Results of the 2012 CQ WW DX CW Contest

BY RANDY THOMPSON,* K5ZD

The 2012 CW World-Wide DX Contest CW once again delivered the magic of wireless communication to all participants. Reading the comments in the 7,227 logs submitted, it seems that it was the best weekend of radio ever, or the most difficult. I guess it all depends on where you were and what times you were on.

A solar belch in the form of a CME impacted the Earth just as the contest was beginning. Europe and the northeast USA were driven immediately to the low bands. The USA West Coast and Asia enjoyed some openings on the high bands at the start before they too were hit. One bright spot during the first night was nice conditions on 160 and 80 meters. There were only limited openings on 10 meters during Saturday. Many logs reported multi-path echoes that made it impossible to separate dots from dashes! For those operators who kept at it, they were rewarded with a second 24 hours that provided some thrilling conditions. Forty meters was open far and late. Ten meters finally opened and provided some decent rates overall, but most the northerly paths.

It was different to the south. VK3TDX reported "Excellent weekend with the best conditions in memory. In VK3 ten meters was open until almost midnight both nights…" The PW7T multi-op was only one country away from 5-band DXCC at the 24-hour mark.

And then there's the ever present visitor named "Murphy." It seemed as if stuff was breaking everywhere. Rotators quit turning. Rigs quit hearing. Amplifiers went bang. Coax connectors failed. Antennas became dummy loads. The wind was a gale. Cows got into the antennas. You name it. Despite all the issues, there was always an attitude of perseverance. Find the problem. Fix the problem. Keep operating. The CQ WW CW comes only once per year and can't be missed!

Perhaps the CQ WW should be sponsored by an airline or a tourist bureau. Despite enjoying a game that can be played from the comfort of our own stations, there is something about being the hunted that gets operators packing their bags and heading for far-off islands, even if it means carrying all of their gear, working outside in heat or cold to set up antennas, and then operating for hours in spite of fatigue and jet lag. It's all because the magic of CQ WW only happens once per year and can't be missed!

Is it the activity that brings out the rare DX? Or is it the DX that brings out the activity? Regardless of the answer, we have to thank the operators behind these calls that travelled far and wide to fill our log books with some exciting moments and new multipliers: 3A2MW, 3B8/SM6GOR, 5R8IC, 5TØSP, 5W1SA, 6V7V, 7P8D, 9H3TX, 9J3A, A52SV, AHØDX, C5A, CR2X, D3AA, E51TLA, ED9Z, EL2A, FK/VK6DXI, GJ2A, J28AA, J75Z, JW5E, P33W, P4ØF, PJ2T, PJ7I, PZ5T, T6LG, T8NS, TC2M, TI5A, TG9IDX, TO7A, V26K, V6A, VE2EKA, VK9/OG1M, VK9/OH3X, VP2MMM, VP2V/AA7V, YN2CC, Z38N, Z6ØWW, and ZD8W. There were contacts with 218 different DXCC entities in the logs we received!

Only 39 of the 40 zones were active this year. Zone 34 was not heard on the bands, but there was an active operator there. Andrey, RW3AH, was in Egypt on business, but could not obtain a local license. He operated a remote station via the Internet and made over 1700 contacts from New York using the callsign KL1A/2. Even though he sent zone 5, that call caused lots of confusion on the bands, as people thought they might be working Alaska. It is somewhat ironic that the elusive missing zone 34 was active, but with RF emanating from far away in zone 5.

Single Operator All Bands

The top single operator all band scores were all made by travelers. The winner was Jose, CT1BOH, one who always finds his way to a DX location for CQ WW. This was Jose's seventh world high finish; only N6AA and OH2MM have won more times. Alex, UA5C, travelled from Moscow to the Canary Islands to take second. Yuri, VE3DZ, suffered with the flu and then an 11-hour flight delay in Miami before arriving at PZ5T in Suriname. Valery, RG5A, was another Moscovite seeking the sunshine and travelled to P4ØF for the weekend. Kim, OH6KZP, stepped into the Radio Arcala station CR2X in the Azores for his first experience of DX operating. He did rather well! Dave, N2NL, put up another big score from his station in the jungle on Guam. His eighth place finish was also a new Oceania record.

Think DXpeditions are all fun? John, W2GD, visited his station in Aruba to find one of the towers had corroded and fallen down. He made repairs, had the station ready to go, and then attended Thanksgiving dinner with P49Y, P4ØF, P43A, and P43L. When he returned, the amplifier refused to turn on. He was up most of the night trying to make repairs. Eventually he had to borrow an amp from one of the locals. Just three hours before the contest, the computer hard disk failed. He was able to borrow a laptop and load the N1MM logging software, but there were no serial COM ports to communicate with the radio or drive the keying. The next 48 hours were a real throwback to the early 1980s. John operated the entire contest manually, sending every dit and dah of every CQ and every callsign by hand, with no memory keyer assistance of any kind. That perseverance earned John 10th place in the World standings!

The top low power scores were also by travelling operators. With Aruba already well represented in the high power category, Andy, AE6Y, debated doing a single band effort before choosing to go low power all bands as P49Y. Good choice, as it resulted in the world high score! Close behind was a remarkable effort by Bud, AA3B, operating as V26K. Bud is a perennial winner in the low power category, but he overcame a number of obstacles this year.

Just days before the contest, the station on Antigua was badly destroyed in a fire. Bud described his arrival: "We arrived at the station on Wednesday. It was an awful sight. The building was gutted. The fire had burned through the roof. I saw the charred remains of multiple control boxes, FT1000MP and MLA2500. All the cables going into the shack were cut and some were melted. It struck me that it was amazing that Roy Carty, V21N, had survived." Roy got access to an unused apartment nearby and began setting up the station. Bud "located the remnants of the coax cables for nine antennas, labeled the cables, and installed connectors on the ends. [He] also found several pieces of

Recent History
Solar Indices for CQWW DX CW

2012:	SFI=118	A=6	K=2	SSN= 84
2011:	SFI=135	A=4	K=1	SSN=139
2010:	SFI=78	A=2	K=1	SSN= 22
2009:	SFI=73	A=2	K=1	no sunspots
2008:	SFI=68	A=2	K=0	no sunspots

If you worked Aruba in the contest it was probably one of these three guys (left to right): P40F (Valery, R5GA), P49Y (Andy, AE6Y), P40W (John, W2GD)

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2012 WW DX CW TROPHY WINNERS AND DONORS

SINGLE OPERATOR
ALL BAND
WORLD
CR3E (Opr.: Jose Carlos Cardoso Nunes, CT1BOH)
Donor: Vibroplex

World - Low Power
P49Y (Opr.: Andy Faber, AE6Y)
Donor: Slovenia Contest Club

World - QRP
LZØM (Opr.: Boyan Mitev, LZ2SX)
Donor: Gene Walsh, N2AA

World - Assisted
LP1H (Opr.: Ramon de La Rua, LU5DX)
Donor: Robert McGwier, N4HY

World - Assisted - Low Power
VP2MMM (Opr.: Alan Donziger, N3AD)
Donor: Lyubomir "Leo" Slavov, OR2F

World - Assisted QRP
Zoltan Nemeth, HA1ZH
Donor: Steve "Sid" Caesar, NH7C

USA
K3CR (Opr.: Alex Avramov)
Donor: Frankford Radio Club

USA - Low Power
Maury A. Peiperl, W3EF
Donor: North Coast Contesters

USA- QRP
Bill Kelsey, N8ET
Donor: W3ZZ Memorial (Andy Blank, N2NT)

USA - Assisted
Randy Thompson, K5ZD/1
Donor: John Rodgers, WE3C

USA Assisted - Low Power
James P. Bowman, KS1J
Donor: LA9Z/LN9Z Leia Contest Club

USA - Zone 3
W6YI (Opr.: Daniel Craig, N6MJ)
Donor: Central Arizona DX Association

USA - Zone 4
Steve London, N2IC/5
Donor: The Society of Midwest Contesters

Europe
CR2X (Opr.: Kim Ostman, OH6KZP)
Donor: W3AU Memorial (Pete Raymond, N4KW)

Europe - Low Power
Tine Brajnik, S5ØA
Donor: Tim Duffy, K3LR

Europe - QRP
Aleksandar Tomic, YUØW*
Donor: I4FAF Memorial (Sergio Cartoceti, IK4AUY)

Europe - Assisted
ER4A (Opr.: Serge Rebrov, UT5UDX)
Donor: I4IND Memorial (Claudio Veroli, I4VEQ)

Europe – Assisted – Low Power
Kristjan Kodermac, S5ØXX
Donor: Alex Goncharov, R3ZZ

Africa
EF8M (Opr.: Alexandr Gimanov, UA5C)*
Donor: K5KA Memorial (Ralph "Gator" Bowen, N5RZ)

Asia
Chris Dabrowski, A45XR
Donor: W5PG Memorial (DFW Contesting Group)

Carib./C.A.
TO7A (Opr.: Dimitry Stashuk, UT5UGR)
Donor: W5PG Memorial (DFW Contesting Group)

Oceania
NH2T (Opr.: David W. Mueller, N2NL)
Donor: Chris Tran, ZL1CT

South America
P40W (Opr.: John Crovelli, W2GD)
Donor: Dave Farnsworth, WJ2O

South America - Southern Cone – High Power
CW5W (Opr.: Jorge Diez, CX6VM)
Donor: Dale Long, N3BNA

South America - Southern Cone – Low Power
Cesar Escobar, LU5FR
Donor: LU Contest Group

Scandinavia
Mikael Larsmark, SJ2W
Donor: W3FYS Memorial (Chas Weir, Jr., W6UM)

Canada
VY2TT (Opr.: Kenneth S. Widelitz, K6LA)
Donor: John Sluymer, VE3EJ & Jim Roberts, VE7ZO

Russia
Vadim Ovsyannikov, R9DX
Donor: Roman Thomas, RZ3AA

Japan
Masaki Masa Okano, JH4UYB
Donor: Phil Yasson, AB7RW

Japan - Low Power
Nobuhiro Iwasa, JH8SLS
Donor: Western Washington DX Club

SINGLE OPERATOR, SINGLE BAND
World - 28 MHz
PT5T (Opr.: Simone Candotto, IV3NVN)
Donor: Joel Chalmers, KG6DX

World - 21 MHz
FY5KE (Opr.: Laurent Haas, F6FVY)
Donor: Lew Sayre, W7EW

World - 14 MHz
EA8CUU (Opr.: Markku Rantala, OH6CS)
Donor: W2JT Memorial (North Jersey DX Assn.)

World - 7 MHz
IH9R (Opr.: Emilio Borea, IZ1GAR)
Donor: Alex M. Kasevich, 8R1A

World - 3.5 MHz
OL8M (Opr.: Pavel Pok, OK1DRQ)
Donor: Fred Capossela, K6SSS

World - 1.8 MHz
EF8S (Opr.: Mauri Leppala, OH2BYS)
Donor: Kenneth Byers, Jr., K4TEA

USA - 28 MHz
William R. Tippett, II, W4ZV
Donor: dxcoffee.com

USA - 21 MHz
Dave Patton, NN1N
Donor: Bob Naumann, W5OV

USA - 14 MHz
Brian Edward, N2MF
Donor: Northern Illinois DX Association

USA - 7 MHz
NR5M (Opr.: Bill Bradford, Jr., K5GA)
Donor: W6AM Memorial (Jan Perkins, N6AW)

USA - 3.5 MHz
Robye L. Lahlum, W1MK
Donor: Bill Feidt, NG3K

USA - 1.8 MHz
Thomas M Greenway, K4PI
Donor: Jeff Briggs, K1ZM

Europe - 28 MHz
ED3T (Opr.: Josep Gene, EA3AKY)
Donor: Jay Pryor, K4OGG

Europe - 21 MHz
CS2C (Opr.: Jiri Pesta, OK1RF)
Donor: Robert Naumann, W5OV

Europe - 14 MHz
CR6T (Opr.: Timo Klimoff, OH1NOA)
Donor: G3FXB Memorial (Maud Slater)

Europe - 7 MHz
Ivan Mastilovc, YU1LA
Donor: Ivo Pezer, 9A3A

Europe - 3.5 MHz
Emil Tafro, E71A*
Donor: K3VW Memorial (Frankford Radio Club)

Europe - 1.8 MHz
Algirdas Uzdonas, LY7M
Donor: Pat Barkey, N9RV & Terry Zivney, N4TZ

Asia – 21 MHz
4X2M (Opr.: Artur Avrunin, 4X4DZ)
Donor: Coconut Wireless Contest Club

Asia – 14 MHz
Victor Kiriyenko, UN9GD
Donor: W5FO Memorial (Ralph "Gator" Bowen, N5RZ)

Asia – 7 MHz
Serge Gursky, UNØL
Donor: Nodir Tursoon-Zadeh, EY8MM

Carib./C.A. (7 MHz)
C6AKQ (Opr.: Bob Patten, N4BP)
Donor: David Hodge, N6AN

Canada (21 MHz)
Dave Goodwin, VE3AAQ
Donor: John Sluymer, VE3EJ

Japan - 21 MHz
Akito Nagi, JA5DQH
Donor: Bob Wilson, N6TV

Japan - 14 MHz
Syuichi Sato, JA7FTR
Donor: Chris Terkla, N1XS

China
Jack Zheng, BY5CD
Donor: LZ Contest Team

MULTI-OPERATOR, SINGLE TRANSMITTER
WORLD
P33W (Oprs.: 5B8AD, RA2FA, RA3AUU, RT9T, RV1AW, RW4WR, UA4FER)
Donor: BARC

U.S.A.
K1LZ (Oprs.: AE2W, K1LZ, K1VR, K3JO, KB1RDZ, N8BO, W1UE)
Donor: Douglas Zwiebel, KR2Q

Africa
ED9Z (Oprs.: DF4SA, DL2CC, EA9LZ, HA1AG, HA3NU, N5OT)
Donor: Harry Booklan, RA3AUU

Asia
RWØA (Oprs.: RAØALM, RAØAM, RUØA, RWØAR, RZØAF, RZØAT, UAØAFL)*
Donor: Steve Merchant, K6AW

Carib./C.A.
ZF1A (Oprs.: K5PI, K5WA, K6AM, N6AN)
Donor: Kansas City DX Club

Europe
OM8A (Oprs.: OMØWR, OM2KW, OM2VL, OM3BH, OM3GI, OM3RM, OM7JG)
Donor: Bob Cox, K3EST

Oceania - Pacific Rim
AH2R (Oprs.: JE8KKX/AH2K, JG7PSJ/KW2X, JI3ERV/NH2C, JR7OMD/WI3O)
Donor: Junichi Tanaka, JH4RHF

South America
LT1F (Oprs.: LU1AEE, LU1FAM, LU1FJ, LU1FKR, LU2FE, LU4FPZ, LU5FF, LW4EU)
Donor: Araucaria DX Group

Canada
VY2ZM (Oprs.: K1ZM, N2NT, VE1RGB)
Donor: Eastern Canadian DX Assn.

Japan
JAØQNJ (Oprs.: JAØQNJ, JHØUSD)
Donor: Madison Jones, W5MJ

MULTI-OPERATOR, TWO-TRANSMITTER
WORLD
CR3L (Oprs.: DJ2YA, DK7YY, DL1CW, DL5AXX, DL7JV, DL8WAA, UA9MA, UA9ONJ, UA9PM)
Donor: Array Solutions

U.S.A.
N3RS (Oprs.: N3RS, N3RD, W8FJ, WA3LRO, NA3D, NG7M, W3FV)
Donor: Tom Horton, K5IID

Europe
EA2EA (Oprs.: EA2AYD, EA2EA, EA2ET, EA4KD, EA4KR, EA7TN, EC2DX)
Donor: Aki Nagi, JA5DQH

MULTI-OPERATOR, MULTI-TRANSMITTER
WORLD
D4C (Oprs.: IK2NCJ, IT9BLB, LY2IJ, LY9Y, YL1ZF, YL2BJ, YL2KL, YL3DQ, YL3DW)
Donor: K2GL Memorial (Doug Zwiebel, KR2Q)

U.S.A.
K3LR (Oprs.: G4BUO, G4TSH, K3LR, K3UA, K5GN, KL9A, M0DXR, N2NC, N3GJ, N3SD, N6TV, VE3FWA, W2RQ)
Donor: N6RJ Memorial (Bob Ferrero, W6RJ)

Europe
9A1A (Oprs.: 9A2DQ, 9A2EU, 9A2WJ, 9A4WW, 9A5E, 9A5W, 9A6A, 9A6M, 9A7IMR, 9A7R, 9A9A, 9A9AB)
Donor: Finnish Amateur Radio League

Oceania
KH6LC (Oprs.: AH6RE, KH6KM, KH6LC, KH7Y, KX7M, N6DA, NH7O)
Donor: JA9SSY Memorial (Tack Kumagai, JE1CKA & Masa Sakurada, JR2GMC

Japan
JA3YBK (Oprs.: JF3NRI, JF4FUF, JG3KIV, JG3MRT, JG3WDN, JH4NMT, JI3OPA, JR4ISF, JS1PWV)
Donor: Masahiro Kitagawa, JH3PRR

CONTEST EXPEDITIONS
World Single Operator
V26K (Opr.: Bud Trench, AA3B)
Donor: Friends of Phil Goetz, N6ZZ

World Multi-Operator
EL2A (Oprs.: A65BD, AA7A, EL2DT, G3SXW, G4IRN, N7CW, KC7V, KY7M)
Donor: Carl Cook, AI6V

XTREME
YR1C (Oprs.: YO4NA, YO9GZU, YO4NF
Donor: K3TUP Memorial (Tim Duffy, K3LR)

SPECIAL - SINGLE OPERATOR AWARD
World SSB/CW Combined
8P5A (Opr.: Tom Georgens, W2SC)
27,355,024
Donor: Hrane Milosevic, YT1AD

SPECIAL – TRIATHLON AWARD
World SSB/CW/RTTY Combined
David Mueller, N2NL
26,239,827
Donor: Rudy Bakalov, N2WQ

CLUB
World SSB/CW
Yankee Clipper Contest Club
478,430,080
Donor: W1WY Memorial (CQ magazine)

Non-USA SSB/CW
Bavarian Contest Club
385,825,731
Donor: N6AUV Memorial (Northern California Contest Club)

**Awarded to second place finisher*

RG213 that had survived and built up a single piece that was long enough to reach from the apartment to any of the antenna feeds scattered about the property." Bud continues, "All the work was completed approximately 1800z on Friday. The apartment was set up and comfortable. I had working antennas for all bands and working rotors for 10m, 15m, and 20m. Band changes would require going into the field and moving the coax and rotor extensions from among the various feeds, taking approximately 10 minutes to complete. The contest was a blast." Such is the attraction of the CQ WW!

The competition among the top USA single operators was just as intense. Alex, LZ4AX, broke through for his first win operating as K3CR. Very close behind was Admiral Scott, KØDQ/1, operating from the "battleship" station of WW1WW. *(Watch for an article by Scott on the planning and construction of "Battleship New Hampshire" in an upcoming issue, or two, of CQ—ed.)* Last year's winner, Doug, K1DG, could only muster 3rd place in the face of such stiff competition. Dan, K1TO/4, put up a great score from down south in Florida. Steve, N2IC/5, did a fantastic job to make the top 5 from New Mexico.

The USA low power race was as close as it gets. Maury, W3EF, finished just 12K points ahead of Ed, N1UR. Ed had more contacts and Maury had more multipliers, but it was log-checking accuracy that ultimately determined the winner. Honorable mention goes to Bob, WA1Z, for pushing wires and a tribander at 30 feet into the third spot. Marv, N5AW, did his usual fantastic score from Texas chased by Terry, N4TZ/9, in Indiana.

Single Bands

The top high power single band score was on 15 meters. Laurent, F6FVY, operated from FY5KE near the European Space Port. He was followed close behind by Bernie, ZS4TX. Thomas, PY2ZXU, visited ZW5B for third and Jiri, OK1RF, operated from CS2C in fourth. The top four finishers were from four different continents! Dave, NN1N, easily captured the top USA score and just missed breaking the USA record.

On 10 meters the spotty conditions favored stations to the south. In a remarkable event, CN2R didn't win. It was Simone, IV3NVN, operating as PT5T who had the winning score. Jim, W7EJ, operating from CN2R, finished a very close second. Another traveler was Dale, VE7SV, who enjoyed his new CE2AWW callsign in third. Nodir, EY8MM, fought the propagation challenges to finish fourth. In the USA, it was a reversal of the order of finish from SSB. This time Bill, W4ZV, managed to outscore Tom, K1KI, for the top spot.

Twenty meters offered a little bit of everything. The winner was Markku, OH6CS, operating from EA8CUU followed by Alan, CE1/K7CA. Third overall and top European was Timo, OH1NOA, operating in his 11th CQ WW CW from Portugal as CR6T. The USA winner was Brian, N2MF. Once again the top four scores came from four continents.

Xtreme Category Results

By Doug Grant, K1DG

The Xtreme category allows stations to experiment and test leading-edge technology within the CQ WW DX Contest. Scoring is based on final contest score combined with an innovation score. Seven stations entered the Xtreme category this year. All used at least one remote station.

In the single-operator section, Andrey, RW3AH, sitting in Cairo, Egypt (Zone 34), linked into the W2RE station in northern New York and managed over 1,700 QSOs and a 1.6M point score as KL1A/2. Other single-op entrants included LA9GY, OH2XX, and OM2DT.

In the multiop section, AA3K's long-time operating partner W3CC had moved about 10 miles away and they still wanted to do a multi-two. Using the N1MM logging software configured via Windows Networking over the Internet, they were able to operate both stations despite the physical separation, and racked up almost 900k points. The Z6ØWW operation in Kosovo, with a team of operators led by Martti Laine, OH2BH, had planned to operate from one QTH, but discovered severe noise problems on the low bands. They moved part of the station to another QTH 3 km away and continued, ultimately running up a 5.25M point score and 58 Innovation Points. They used a real-time scoreboard system with a display in a public area to promote radiosport in Kosovo for a "social innovation."

The top score, with 5.31M points and 68 Innovation Points for a total Xtreme score of 168, and winner of the K3TUP Memorial Trophy, is the YR1C team (YO4NA, YO9GZU, and YO4NF). The station was located at YO4NA's holiday house, while the operators were located three separate sites up to 200 km away from the station. A well-planned and executed mix of purchased and homebrew hardware and software allowed full control of radio, amplifier, rotator, and even a noise-cancellation system.

2012 CQ WW DX CW TOP SCORES

WORLD
SINGLE OP
HIGH POWER
All Bands

CR3E (CT1BOH) 15,221,316
EF8M (UA5C) 14,206,275
PZ5T (VE3DZ) 13,170,634
P40F (R5GA) 13,151,040
CR2X (OH6KZP) 11,839,500
TO7A (UT5UGR) 11,807,340

28 MHz
PT5T (IV3NVN) 1,683,536
CN2R (W7EJ) 1,518,457
CE2AWW (VE7SV) 1,294,944

21 MHz
FY5KE (F6FVY) 2,147,322
ZS4TX 1,972,120
ZW5B (PY2ZXU) 1,476,722

14 MHz
EA8CUU (OH6CS) 1,303,614
CE1/K7CA 1,225,686
CR6T (OH1NOA) 1,074,192

7 MHz
IH9R (IZ1GAR) 1,622,230
YW4D (YV1DIG) 1,431,040
YU1LA 1,252,693

3.5 MHz
OL8M (OK1DRQ) 509,808
E71A 470,448
W1MK 420,665

1.8 MHz
EF8S (OH2BYS) 276,000
LY7M 181,044
UN4L 145,386

SINGLE OP
LOW POWER
All Bands

P49Y (AE6Y) 8,821,296
V26K (AA3B) 8,447,562
IR4X (IZ3EYZ) 5,686,912
EF8X (EA8AY) 5,185,804
VP5CW (W5CW) 5,057,425
YN2CC (AJ9C) 4,769,904

28 MHz
9J3A (S53A) 1,396,764
C4Z (5B4AIZ) 574,832
UK9AA 474,370

21 MHz
5X1NH 1,122,653
5C5W (CN8KD) 606,720
UK8AR 468,027

14 MHz
C6AUM (K4RUM) 724,599
RX9AF 362,388
JG2KKG 314,279

7 MHz
DJ1YFK 397,474
HK3O 340,459
CO6YAC 261,600

3.5 MHz
LY2T 116,460
OL4W (OK1IF) 101,106
PA2REH 99,858

1.8 MHz
GM4AFF 61,628
LZ3YY 33,969
SM7MX (SM5MX) 32,428

SINGLE OP
QRP
All Bands

LZØM (LZ2SX) 1,008,800
N8ET 913,830
YUØW 848,990
UU2CW 766,458
JR4DAH 733,150
HG6C (HA6IAM) 728,025

28 MHz
LU7HZ 257,103
KX9X/1 191,019
KR2Q 137,875

21 MHz
YT7Z (YU7SK) 116,292
N3JT/4 103,812
SP5DDJ 100,965

14 MHz
FY5FY 710,935
US5VX 128,381
SP9NSV 107,274

7 MHz
9A3JH 164,208
E73TTT 80,740
E73RZ 58,788

3.5 MH
YL2QN 26,838
W1UU 21,672
HA6VA 12,261

1.8 MHz
LY4BF 12,100
GM3YEH 11,804
MØZWW 1,131

SINGLE OP ASSISTED
HIGH POWER
All Bands

LP1H (LU5DX) 10,600,140
K5ZD/1 10,523,916
RG9A 9,012,276
K3WW 8,748,408
NP4Z 8,199,750
NY3A 7,414,071

28 MHz
CX7CO 1,378,240
PY3DX 1,157,143
4Z5LA 834,620

21 MHz
TM6M (F1AKK) 1,047,536
A73A (A71BX) 907,128
9A1CCY (9A7DX) 880,785

14 MHz
TM5Y (F8DBF) 1,414,304
PR5B (PY2LSM) 1,085,124
TF2CW (TF3CW) 1,012,662

7 MHz
UW4I (UY5VA) 823,768
S52AW 820,400
EA3NT 787,908

3.5 MHz
DM7C (DL7CX) 512,236
OK2BYW 468,802
DL7ON 415,680

1.8 MHz
RX9CAZ 137,190
LN9Z (LB1G) 122,670
F5IN 93,972

SINGLE OP ASSISTED
LOW POWER
All Bands

VP2MMM (N3AD) 5,836,768
RT9S 3,868,590
T6LG (LZ1CNN) 3,863,955
S5ØXX 3,398,188
OR2F 3,280,082
KS1J 3,206,820

28 MHz
PY1NX 1,218,976
PY3OZ 1,107,626
LW5HR 851,764

21 MHz
HG5D (HA8QZ) 508,248
S53F 495,968
CX5TR 452,998

14 MHz
VE1ZA 454,724
OK6RA 367,131
YT7B 341,955

7 MHz
YU2FG 541,814
4X/UA9CTT 492,024
YU2A 384,088

3.5 MHz
LZ2SC 165,438
YT2AAA 141,474
HA5BSW 140,911

1.8 MHz
9A2AJ 49,802
UR5AS 32,016
UA3MIF 31,781

Single OP ASSISTED
QRP
All Bands

HA1ZH 1,394,172
N2QT/4 1,095,504
OK1DO 1,052,192
RT4W 1,046,523
US2IZ 596,372
S52P 584,575

28 MHz
K4CIA 36,045
IK2BCP 30,602
YO8DDP 26,988

21 MHz
DL1EFW 114,456
HG2ØIPA (HA3JB) 102,724
EA8/SA6G (SM6CUK) 102,438

14 MHz
RU5TT (UA3TW) 223,200
YPØCW (YO6EX) 132,736
SP6GCU 107,604

7 MHz
LZ1DNY 138,138
YU1WC 124,843
UR5FCM 63,546

3.5 MHz
UT3L (UR5LO) 49,140
RW9C 14,196

1.8 MHz
OH3BU 14,728
9A2UZ 2,923

MULTI-OP
SINGLE-TRANSMITTER

P33W 27,233,104
ED9Z 20,403,225
6V7V 19,876,472
OM8A 16,044,698
ZF1A 15,918,686
K1LZ 15,586,106

MULTI-OP
TWO-TRANSMITTER

CR3L 37,281,102
PJ4A 28,442,709
PJ2T 27,201,440
VE3EJ 21,367,555
PW7T 20,373,108
TC2M 19,932,904

MULTI-OP MULTI-TRANSMITTER

D4C 61,328,260
C5A 49,863,331
HK1NA 39,809,140
EL2A 31,610,598
K3LR 30,132,800
W3LPL 29,026,101

UNITED STATES

SINGLE OP
HIGH POWER
All Bands

K3CR (LZ4AX) 9,875,565
KØDQ/1 9,607,806
K1DG 8,630,788
K1TO/4 7,088,315
N2IC/5 7,034,265
K1ZZ 6,965,514

28 MHz
W4ZV 552,052
K1KI 541,242
W3BGN 459,732

21 MHz
NN1N 959,952
K9NW 715,595
N4ZZ 633,204

14 MHz
N2MF 962,136
W7WA 817,252
N5NU 676,915

7 MHz
NR5M (K5GA) 669,445
K6NA 529,247
N6MA/7 165,804

3.5 MHz
W1MK 420,665
WX4G 135,875
KU2M 94,100

1.8 MHz
K4PI 43,848
W3GH 26,376
WD5R (N5ECT) 20,355

SINGLE OP
LOW POWER
All Bands

W3EF 3,998,400
N1UR 3,986,828
WA1Z 3,815,427
N5AW 3,260,572
N4TZ/9 2,890,209
N4YDU 2,741,184

28 MHz
WB4TDH 187,136
K2PS/3 177,891
N4IJ/5 172,638

21 MHz
W6ZL 135,128
N4MO 124,150
KM6Z 93,520

14 MHz
K3GW 175,560
KQ8Z/4 89,472
W8IQ 76,608

7 MHz
K9UIY 77,350
K4LY 67,945
NT2DR 17,236

3.5 MHz
K8GU 41,664
W1NN/8 19,698
NV4B 7,905

1.8 MHz
KM1R 10,230
WD8DSB/9 3,131
W7RH 2,125

SINGLE OP
QRP
All Bands

N8ET 913,830
N7IR 627,779
N4CW 582,466
N1TM 560,952
KØOU 529,914
W6JTI 511,170

28 MHz
KX9X/1 191,019
KR2Q 137,875
W5GAI 100,674

21 MHz
N3JT/4 103,812
W7IJ 85,575
AE9F/6 22,774

14 MHz
WA4PIG 551
W9YA/5 322

7 MHz
K3TW/4 47,160
N8VW 18,615

3.5 MHz
W1UU 21,672
KIØG/5 1,564

SINGLE OP ASSISTED
HIGH POWER
All Bands

K5ZD/1 10,523,916
K3WW 8,748,408
NY3A 7,414,071
K3WI 7,254,240
K1AR 5,681,208
K1FWE 5,004,675

28 MHz
K2SSS 388,838
N5XJ 271,328
WB9Z 256,950

21 MHz
WØMM/5 676,800
N4PN 668,682
KØDU (KØCL) 563,376

14 MHz
KU5B 618,222
K6WG 205,062
WR2G 153,738

7 MHz
N6SS/7 568,824
K7NJ 354,560
K9GS 279,774

3.5 MHz
W3NO 131,150
KØKT 63,168
AB3CV 46,020

1.8 MHz
W8UVZ 25,149
NX5M 19,584
W6XI/7 1,971

SINGLE OP ASSISTED
LOW POWER
All Bands

KS1J 3,206,820
K3AU (K2YWE) 2,971,760
W1NT 2,487,712
W3KB 2,453,032
N3QE 2,050,368
NM5M 2,047,344

28 MHz
K9LA 123,660
W6TK 65,511
KE5FXE 41,952

21 MHz
KE7X 292,800
W5ZO 230,206
K2MFY 171,150

14 MHz
W9ILY 211,885
K7SS 201,280
N9XX 162,676

7 MHz
K3STX 114,436
KG9Z/8 29,040
K2SQS 3,816

3.5 MHz
N8MZ 43,656
K2PO/7 37,056

1.8 MHz
N9CO 6,116

SINGLE OP ASSISTED
QRP
All Bands

N2QT/4 1,095,504
KK1W 499,968
K8ZT 478,940
W2VQ 98,237
N6KI 97,650
W4QO 90,644

28 MHz
K4CIA 36,045

MULTI-OP
SINGLE TRANSMITTER

K1LZ 15,586,106
W3UA/1 11,206,701
NR4M 11,076,912
W2RE 10,768,816
K5GO 10,093,044
AD4Z 7,863,480

MULTI-OP
TWO TRANSMITTER

N3RS 17,569,500
NY4A 13,570,200
K8AZ 13,417,648
KB1H 13,051,920
K2LE/1 12,088,960
K9CT 11,984,070

MULTI-OP
MULTI-TRANSMUITTER

K3LR 30,132,800
W3LPL 29,026,101
NQ4I 17,163,840
WT1T 15,778,850
W3EA 11,928,087
KØRF 11,578,384

EUROPE

SINGLE OP
HIGH POWER
All Bands

CR2X (OH6KZP) 11,839,500
CR6K (CT1ILT) 9,858,906
4O3A 9,135,711
OE3K (DK6XZ) 6,674,115
S53MM 6,252,230
DJ5MW 6,186,348

28 MHz
ED3T (EA3AKY) 506,548
DH8BQA 353,580
J43J (DJ5JH) 348,232

21 MHz
CS2C (OK1RF) 1,228,990
EA6SX 763,256
YU1KX 757,212

14 MHz
CR6T (OH1NOA) 1,074,192
SE5E (SM5AJV) 842,160
UA2KW (UA2FB) 803,427

7 MHz
YU1LA 1,252,693
YT7A (YU7GW) 814,810
OH1TX (OH2PM) 687,104

3.5 MHz
OL8M (OK1DRQ) 509,808
E71A 470,448
SP3GTS 226,170

1.8 MHz
LY7M 181,044
M5O (G3LET) 114,062
HA8BE 102,837

SINGLE OP
LOW POWER
All Bands

IR4X (Z3EYZ) 5,686,912
S5ØA 4,681,296
LZ8E (LZ2BE) 4,178,304
LY9A 3,602,886
EF3A (EA3KU) 3,135,995
DL4MCF 2,734,544

28 MHz
9A3VM 301,240
HGØR (HAØNAR) 284,760
DL4AAE 251,624

21 MHz
LZ9R (LZ3YY) 433,600
ER1OO 309,281
GWØETF 283,250

14 MHz
DL9ZP 248,979
S52GO 198,520
OK1JD 171,008

7 MHz
DJ1YFK 397,474
SP6OJE 230,124
R4SA 208,206

3.5 MHz
LY2T 116,460
OL4W (OK1IF) 101,106
PA2REH 99,858

1.8 MHz
GM4AFF 61,628
LZ3YY 33,969
SM7MX (SM5MX) 32,428

SINGLE OP
QRP
All Bands

LZØM (LZ2SX) 1,008,800
YUØW 848,990
UU2CW 766,458

28 MHz
LZ2RS 81,536
I4KRF 61,576
UA6AK 55,332

21 MHz
YT7Z (YU7SK) 116,292
SP5DDJ 100,965
PG2AA 91,567

14 MHz
US5VX 128,381
SP9NSV 107,274
RM3G 49,980

7 MHz
9A3JH 164,208
E73TTT 80,740
E73RZ 58,788

3.5 MHz
YL2QN 26,838
HA6VA 12,261
EE3C (EA3CKX) 7,950

1.8 MHz
LY4BF 12,100
GM3YEH 11,804
MØZWW 1,131

SINGLE OP ASSISTED
HIGH POWER
All Bands

ER4A (UT5UDX) 7,346,030
S59ABC (S51DS) 7,179,840
IR2C (IK2PFL) 6,788,172
YP9W (YO9WF) 6,466,665
SN7Q 6,287,490
YL2KO 6,106,618

28 MHz
G3TXF 724,314
E73M 671,784
EA6URA 602,872

21 MHz
TM6M (F1AKK) 1,047,536
9A1CCY (9A7DX) 880,785
OK8WW 866,570

14 MHz
TM5Y (F8DBF) 1,414,304
TF2CW (TF3CW) 1,012,662
OH8L (OH8LQ) 945,066

7 MHz
UW4I (UY5VA) 823,768
S52AW 820,400
EA3NT 787,908

3.5 MHz
DM7C (DL7CX) 512,236
OK2BYW 468,802
DL7ON 415,680

1.8 MHz
LN9Z (LB1G) 122,670
F5IN 93,972
RK3SWB (R3S-367) 93,296

SINGLE OP ASSISTED
LOW POWER
All Bands

S5ØXX 3,398,188
OR2F 3,280,082
YLØY (YL2GQT) 3,183,314
RL6M 2,885,760
ES6Q (ES5RY) 2,881,088
MD2C 2,843,580

28 MHz
IØUZF 357,232
E74A 296,592
MØBJL 245,952

21 MHz
HG5D (HA8QZ) 508,248
S53F 495,968
HA3UU 431,462

14 MHz
OK6RA 367,131
YT7B 341,955
RM5D 334,900

7 MHz
YU2FG 541,814
YU2A 384,088
S52W 295,054

3.5 MHz
LZ2SC 165,438
YT2AAA 141,474
HA5BSW 140,911

1.8 MHz
9A2AJ 49,802
UR5AS 32,016
UA3MIF 31,781

SINGLE OP
QRP
All Bands

HA1ZH 1,394,172
OK1DO 1,052,192
RT4W 1,046,523

28 MHz
IK2BCP 30,602
YO8DDP 26,988
IK4AUY 19,430

21 MHz
DL1EFW 114,456
HG2ØIPA (HA3JB) 102,724
SV1JGX 33,984

14 MHz
RU5TT (UA3TW) 223,200
YPØCW (YO6EX) 132,736
SP6GCU 107,604

7 MHz
LZ1DNY 138,138
YU1WC 124,843
UR5FCM 63,546

3.5 MHz
UT3L (UR5LO) 49,140

1.8 MHz
OH3BU 14,728
9A2UZ 2,923

MULTI-OP
SINGLE TRANSMITTER

OM8A 16,044,698
IR4M 14,153,292
E7DX 13,403,520
UZ2M 12,736,540
OM7M 12,652,277
EA5RS 12,447,588

MULTI-OP
TWO TRANSMITTER

EA2EA 16,499,468
9A7A 15,134,544
ED1R 14,437,335
HG7T 12,784,899
YT2W 12,525,586
OHØV 12,474,880

MULTI-OP
MULTI-TRANSMITTER

9A1A 24,553,142
DR1A 24,056,956
LZ9W 21,138,775
Z38N 19,975,680
DFØHQ 19,015,950
HG1S 11,875,270

Forty meters continued the pattern of top four from four continents. Emilio, IZ1GAR, gave everyone a new multiplier as IH9R. Paolo, YV1DIG, put the YW4D call in many logs. Ivan, YU1LA, worked over 1100 USA stations and 470 Japanese stations to finish in third. Ivan missed setting a new Europe record by less than 1K points! Bob, N4BP, carried his radio and some wires over to Bermuda to finish fourth. The top USA score was by Bill, K5GA, piloting the big stacks at NR5M.

On 80 meters, it was Pavel, OK1DRQ, operating from OL8M with an impressive 2130 contacts and 119 countries! Robye, W1MK, was tops in the USA and experienced a rare 2 hours of propagation to Japan on Sunday morning. On 160 meters it was EF8S, operated by Mauri, OH2BYS, winning the world.

2012 WW DX CW TOP SCORES IN MOST ACTIVE ZONES

Zone 3

W6YI (N6MJ).....5,609,560
VE7SV (VE7CC) ...5,243,168
K6XX.....4,382,315
K7RL.....4,091,612
K7GK/6 (@N6RO).4,049,720
W6PH.....2,630,595
VA7ST.....1,821,952
K7KU (KØKR).....1,644,275
K7QQ.....1,569,308
KG7H.....1,553,040

Zone 4

XL3A (VE3AT).....7,892,633
VE3JM.....7,265,271
N2IC/5.....7,034,265
W9RE.....5,788,320
WXØB/5 (AD5Q)....4,615,824
N5RZ.....4,479,234
K8GL.....4,139,386
KØEJ/4.....3,961,113
N9RV/7.....3,850,137
KØEU.....3,764,218

Zone 5

VY2TT (K6LA).....10,365,486
K3CR (LZ4AX).....9,875,565
KØDQ/1.....9,607,806
K1DG.....8,630,788
K1TO/4.....7,088,315
K1ZZ.....6,965,514
K1RX.....6,589,375
W1KM.....6,426,168
W2FU (K2TJ).....5,800,860
VC2T (VE2TZT) 5,770,534

Zone 14

CR2X (OH6KZP) .11,839,500
CR6K (CT1ILT) 9,858,906
DJ5MW 6,186,348
SJ2W.....5,926,944
LN8W (LB1GB) 4,478,599
EF5F (EA5FV).....3,744,900
DK9PY 3,481,068
*EF3A (EA3KU).....3,135,995
M7A (LY4Y).....3,077,762
G3XTT.....2,982,287

Zone 15

4O3A 9,135,711
OE3K (DK6XZ).....6,674,115
S53MM.....6,252,230
9A5K 5,598,452
SO2O (SQ2GXO)..5,406,875
ES5TV.....5,230,990
OHØX (OH2UA) 5,157,432
*S5ØA.....4,681,296
4U1GSC (E73A/9A3A) 4,179,960
OH8X (OH6UM) 4,149,288

Zone 16

UU7J (UUØJM).....4,653,684
UA5B.....4,044,418
UA4W.....3,766,467
RM3F (UA3DPX)...3,346,460
EU1A.....3,000,540
R8TR.....2,692,480
UA8WAA 2,598,603
*UA1QM 1,953,000
R3FX.....1,577,268
UA4PN 1,544,279

Zone 20

*4Z4DX.....4,310,212
*LZ8E (LZ2BE).....4,178,304
*JY4NE.....1,170,585
LZØM (LZ2SX) 1,008,800
*OD5NJ.....606,135
YO4CAH 537,579
*YO9AGI 528,759
*YR8D 449,568
LZ1DQ.....409,792
*YO5DAS 336,660

Zone 25

JH4UYB 5,266,014
JH1GBZ (JH5GHM) 3,199,392
JA6LCJ.....3,064,560
JF1NHD 2,473,900
*JH8SLS.....2,313,091
*JA1BJI 2,024,196
JK1OLT 1,887,180
*JI1RXQ 1,802,603
JA7IC 1,458,720
JI3BFC 1,363,712

**Low Power*

The single band low power competitions were dominated by big efforts from southerly locations. Niko, S53A, put 9J3A well ahead of everyone on 10 meters. Nick, 5X1NH, set a new world record on 15 meters while making a lot of people happy with the zone 37 multiplier. Mike, K4RUM, travelled over to C6AUM for the top score on 20. Fabian, DJ1YFK, operated from DJ6ZM in Munich to win 40 meters. The top score on 80 meters was by UN2C, but because the log was received after the deadline, the win is awarded to Victor, LY2T. Tops on 160 meters was Stewart, GM4AFF.

Single Operator Assisted

There were 2,658 logs received in the Assisted category. The race for top spot in the All Bands High Power category was extremely close between Martin, LU5DX, operating from LP1H, and Randy, K5ZD/1. Martin's 700 extra QSOs made up for a deficit of 100 multipliers to give him the world championship. Randy took home the new USA record in his first try at the Assisted category. Yuri, RG9A, finished in third. On the low power side, Alan, N3AD, traveled to VP2MMM in Montserrat for a commanding win.

BY7KTO is a primary school amateur radio club. The 10–11-year-old operators were in their first CW contest. Yang is operating while Su watches.

On 10 meters, Carlos, CX7CO, was the leader. Paul, PY3DX, overcame multiple equipment failures to finish a close second. Zeljko, K2SSS, had the top USA score on 10 meters. Oli, F1AKK, operated from the big club station TM6M in western France to win 15 meters. Ali, A71BX, used the call A73A to set a new record for Asia in finishing second. The USA race on 15 was between Laurent, WØMM/5, and Paul, N4PN. Sebastian, F8DBF, used the contest call TM5Y to win 20 meters over a very close three-way race among PR5B, TF3CW, and NP3X. Sebastian was less than 5K points from breaking the world record! Colin, KU5B, was the USA winner.

Operating team at the ZF1A multi-single (left-right): Bob, K5WA; John, K6AM); Robert, K5PI; and David, N6AN.

The low bands offered some very close races. Only 3,368 points separated UW4I (op Victor, UY5VA) and second place Karl, S52AW, on 40 meters. Victor worked 39 zones and 145 countries! The top USA score and 7th overall was Preston, N6SS/7. On 80 meters it was all Europeans in the Top Ten led by Olaf, DL7CX operating DM7C. The top USA score was Doug, W3NO. Silvo, S51V, had the high score on 160 meters, but his log was received after the deadline. This gives Andy, RX9CAZ, the win.

QRP

"Being a QRPer under these conditions is like the scraggly dog going from garbage can to garbage can, looking for any leftover scraps."—KX9X/1

There were 456 entries in the QRP category this year. The top all band score was earned by Boyan, LZ2SX, operating as LZØM. He made 1550 contacts and 311 countries running just 5 watts! Close behind was

The 10-meter position at multi-multi K3LR. Ed, VE3FWA (left), is looking for multipliers and George, N3GJ, is manning the run station.

2012 CQ WW DX CW BAND-BY-BAND BREAKDOWN—TOP ALL BAND SCORES

Number groups indicate: QSOs/Zones/Countries on each band

WORLD SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
CR3E	181/15/50	872/23/86	2032/33/104	1100/34/100	1555/33/107	1535/32/109
EF8M	269/14/50	598/20/63	2104/29/89	1343/29/81	1408/31/86	2258/26/95
PZ5T	158/12/26	604/19/74	1050/28/93	1731/37/111	1799/35/114	1516/27/98
P40F	186/14/37	574/22/78	1484/29/95	993/33/99	2013/34/102	1679/30/92
CR2X	307/14/54	846/21/80	1516/31/109	1403/34/112	1489/34/119	1648/31/111

USA TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
K3CR	134/19/61	367/25/85	1151/34/115	1049/35/110	1282/33/104	626/25/103
KØDQ/1	110/17/60	386/20/81	1476/33/114	1164/35/115	643/33/102	831/27/104
K1DG	177/16/68	603/23/80	1120/30/104	661/34/102	1038/30/109	734/27/99
K1TO/4	35/12/25	272/17/61	1110/33/97	767/36/102	1125/33/112	681/26/99
N2IC/5	108/14/22	270/26/74	1061/34/103	551/35/111	1253/34/119	439/27/86

WORLD SINGLE OPERATOR ASSISTED ALL BAND

LP1H	6/4/5	208/23/55	544/32/95	917/34/113	1376/38/132	2268/35/129
K5ZD/1	132/13/59	603/23/94	1065/32/118	945/36/123	1113/34/125	789/29/110
RG9A	267/10/51	894/23/94	1173/32/114	783/33/116	798/33/129	593/26/95
K3WW	100/17/67	460/23/96	1042/32/121	909/37/127	702/34/124	703/30/116
NP4Z	185/16/51	459/22/87	1123/30/104	929/34/111	993/34/104	1199/27/105

USA SINGLE OPERATOR ASSISTED ALL BAND

K5ZD/1	132/13/59	603/23/94	1065/32/118	945/36/123	1113/34/125	789/29/110
K3WW	100/17/67	460/23/96	1042/32/121	909/37/127	702/34/124	703/30/116
NY3A	76/13/48	287/19/82	858/33/112	811/35/122	1022/35/130	451/26/108
K3WI	22/10/17	240/18/74	1302/33/112	892/38/117	730/29/107	561/25/100
K1AR	94/16/57	357/25/99	545/33/119	542/39/133	569/36/134	418/27/116

WORLD MULTI-OPERATOR SINGLE TRANSMITTER

P33W	481/18/76	1398/31/112	2535/38/146	2042/38/147	2079/39/158	1479/36/150
ED9Z	112/12/58	723/25/101	2492/37/129	1391/38/142	1927/39/149	1244/36/139
6V7V	66/19/62	405/23/90	1654/35/127	1727/38/142	2317/38/146	1702/36/146
OM8A	207/22/85	940/31/129	1920/39/146	1769/38/153	1696/38/149	658/38/150
ZF1A	122/15/35	796/26/103	2431/36/125	1062/37/138	2261/36/142	1186/33/127

USA MULTI-OPERATOR SINGLE TRANSMITTER

K1LZ	196/20/82	706/28/114	1571/37/137	1200/39/154	1302/38/148	885/32/138
W3UA/1	90/16/61	424/25/99	1655/36/127	1175/39/139	918/36/137	577/30/128
NR4M	72/20/70	293/26/100	1424/35/128	1219/39/141	1024/36/134	566/32/130
W2RE	89/19/72	545/22/97	1218/38/130	907/39/142	996/36/142	671/32/129
K5GO	64/20/61	252/27/100	1263/39/134	771/39/142	1312/36/146	560/33/120

WORLD MULTI-OPERATOR TWO TRANSMITTER

CR3L	387/16/70	1777/25/107	3359/38/136	1926/37/151	3564/39/157	2561/35/140
PJ4A	256/17/39	1208/28/94	2768/35/121	2631/38/132	3155/37/127	2388/32/101
PJ2T	344/19/56	1019/24/93	2803/33/121	1936/36/123	3214/36/123	2595/32/119
VE3EJ	412/24/75	1278/30/107	2330/38/135	1683/39/141	2270/38/145	1238/32/131
PW7T	1/1/1	614/23/95	1957/35/123	1826/38/141	2680/39/150	1974/36/136

USA MULTI-OPERATOR TWO TRANSMITTER

N3RS	134/16/66	913/26/103	1908/39/139	1702/38/139	1727/35/135	846/30/118
NY4A	73/13/52	838/25/98	1377/34/123	1279/38/134	1598/35/134	753/30/124
K8AZ	62/15/48	458/27/101	1289/38/128	1575/39/142	1631/36/142	614/30/128
KB1H	96/15/52	764/23/97	1272/32/112	1452/38/139	1499/35/128	779/27/118
K2LE/1	96/16/54	688/25/96	1356/37/123	1121/39/137	1568/35/129	665/28/113

WORLD MULTI-OPERATOR MULTI-TRANSMITTER

D4C	1396/23/86	1753/28/106	3818/38/143	5323/39/164	4341/39/169	4476/38/157
C5A	904/20/77	1827/29/95	3103/37/136	4236/39/153	4527/39/162	3401/38/148
HK1NA	878/21/65	1679/26/92	3238/34/126	3491/39/150	3330/37/142	3114/38/135
EL2A	402/17/58	1302/26/92	2245/34/112	2494/36/140	2884/38/147	3262/37/142
K3LR	330/22/83	1309/32/118	2448/39/149	3084/39/166	2416/37/156	1398/34/143

USA MULTI-OPERATOR MULTI-TRANSMITTER

K3LR	330/22/83	1309/32/118	2448/39/149	3084/39/166	2416/37/156	1398/34/143
W3LPL	524/24/94	1494/32/119	2307/38/149	2589/39/166	2408/37/156	1279/33/140
NQ4I	221/21/70	799/29/108	1725/37/139	1855/39/147	1737/38/151	900/32/130
WT1T	241/17/62	703/28/107	1266/38/134	1892/38/143	1754/36/137	764/30/125
W3EA	70/15/43	382/24/96	1148/36/130	1618/38/144	1227/36/134	767/28/113

Bill, N8ET, and Alex, YUØW. Zoltan, HA1ZH, took the top spot for all bands assisted. Sean, KX9X/1, dramatically increased the USA record on 10 meters in finishing second overall behind Pedro, LU7HZ, not bad given the difficult conditions on Saturday. Another giant record was set by Didier, FY5FY, who increased the 7-year-old 20 meter score record from 468K to over 710K! The world record for QRP Assisted on 20 meters also fell, as Nick, UA3TW, drove RU5TT to over 223K points.

Multi-Operator

The Multi-Operator Single-Transmitter category has become the Formula 1 of contesting. Stations employ sophisticated technology and operating strategy to capture the top spot. The winning team and new world record holders at P33W used multiple interlocked transmitters to work within the rules and get every QSO out of the bands. A temporary Field-Day-style setup earned second-place honors for ED9Z. OM8A took the top spot in Europe, just falling short of a new record. The top USA entry, and sixth in the world, was K1LZ.

In the Two-Transmitter class, the top score and new World Record was set by CR3L in Madeira with over 13,500 contacts! The next two spots were a battle of neighboring islands with PJ4A finishing ahead of PJ2T. The gang at VE3EJ did an outstanding job to finish fourth overall, and the highest score not from an island! The USA winner was N3RS ahead of NY4A and K8AZ.

The Multi-Transmitter category brought lots of travelers to Africa this year. D4C used their mountaintop location to good advantage. Second place went to the travelling Czech team who returned to C5A. Line noise could make this their last effort from this beachfront location. The guys at HK1NA keep getting louder, but could only finish third.

After nearly 20 years of CQWW CW trips to West Africa, the VooDoo Contest Group (affectionately known as the VooDudes) piloted

2012 WW DX CW Team Scores

Pile-Up Survivors (CR3E, PZ5T, P40F, 8P5A, NH2T)	64,559,451
CCF TEAM SISU (CR2X, ES5TV, OH0X, OH0Z, OH8X)	30,823,660
Cereal Killers (EF8X, LN8W, C6AQQ, N1DG, K5IID)	16,522,956
KTU Radio Club (LY6A, LY9A, M7A, LY3B, LY4T)	15,215,353
Team Araucaria (PS2T, PT5T, ZW5B, PR5B, PX2C)	14,316,940
Carolina DX Association (N4ZC, N2TU/4, W3GQ/4, W3OA/4, W7DO/4)	14,021,610
Mad River Radio Club Team # 1 (K8GL, W8MJ, K1LT/8, K9NW, N8DE)	12,456,819
The 257km Ring of Awesomeness (VE1OP, VE9HF, VE9AA, VA1CHP, VE9OA)	6,423,124
Minnesota Wireless Assn Team Mosquito (KØKX, KØRC, NØHJZ, NDØC, WØERP)	5,681,588
Russian CW Club (RA9DZ, RD9CX, UA9CLR, UI8CM, UB9CAC)	4,612,126
Team Orca - CW Pod (VA7ST, VA7KO, VE7VR, VE7XF, VE7WO)	3,727,509
Mad River Radio Club Team # 3 (N8AA, K8MM, N8EA, K8GU)	3,507,534
PSE QRS - Hungarian Contest Team (HA1ZH, HA7GN, HAØGK, HG4F, HA6PJ)	2,999,233
Mad River Radio Club Team # 2 (WB8JUI, N8ET, KT8K)	2,547,087
DELARA #1 (KV8Q, N9AUG/8, W8KTQ)	2,184,686
DELARA #2 (K8MP, K8ROX, NT8Z, N8OB)	1,277,110
Contest Group du Québec team 2 (VE2EZD, VE2EBK)	1,203,038
Water Banana's (PY2MTS, PY1ZV, PY1KR, PY1TJ)	1,012,051
Grupo DXXE Super Dawgs (XE2S, XE2AU, XE1EE, XE1CT, XE1NW)	722,300
The Single Banders (VE1ZA, VE9BK, VE9ML)	677,470
Minnesota Wireless Assn Team Eelpout (W9LHG/Ø, ACØW, KA8HDE/8, WGØM)	516,095
The Frozen Radiators (VE1AL, VE1JS, VE1JF)	101,368

A team must be preregistered and may consist of any 5 single operator entries.

Jan, LB1G, operated through difficult conditions on 160 meters from LN9Z.

EUROPE TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
CR2X	307/14/54	846/21/80	1516/31/109	1403/34/112	1489/34/119	1648/31/111
CR6K	265/13/51	849/22/85	1614/34/108	1220/34/105	900/35/117	1393/30/113
4O3A	540/17/69	782/20/79	1943/33/109	1171/28/88	1535/28/95	993/28/97
OE3K	336/11/44	774/19/69	1399/30/92	1210/30/87	1182/31/75	750/28/79
S53MM	178/11/50	762/18/63	1475/31/84	925/30/85	1036/30/89	496/30/69

EUROPE SINGLE OPERATOR ASSISTED ALL BAND

ER4A	360/15/61	1132/23/94	1121/32/120	1274/34/115	991/34/121	314/33/103
S59ABC	107/13/54	476/22/83	1278/37/131	932/35/121	961/38/130	224/34/112
IR2C	136/11/55	482/22/92	1116/37/111	634/36/116	708/39/133	723/35/117
YP9W	66/10/44	561/15/69	1647/33/123	850/34/111	1248/33/120	214/32/103
SN7Q	217/14/55	597/25/95	881/35/104	976/36/118	862/37/131	324/33/120

EUROPE MULTI-OPERATOR SINGLE TRANSMITTER

OM8A	207/22/85	940/31/129	1920/39/146	1769/38/153	1696/38/149	658/38/150
IR4M	84/20/81	1053/29/116	1838/37/142	1726/38/151	1224/38/143	741/36/141
E7DX	196/20/78	768/29/114	2004/35/136	1759/39/147	1346/38/144	625/35/145
UZ2M	444/25/90	951/31/123	2321/39/150	1755/38/137	1271/37/142	435/35/135
OM7M	193/18/78	806/30/118	1636/39/147	1558/37/151	1280/38/146	562/38/149

EUROPE MULTI-OPERATOR TWO TRANSMITTER

EA2EA	180/17/71	1768/29/111	2289/38/133	1732/38/139	2160/39/146	1142/34/131
9A7A	301/15/63	1634/31/108	1989/37/140	1822/37/133	1636/39/152	867/37/134
ED1R	259/15/71	1278/27/109	2231/38/139	1381/38/140	1809/39/148	1198/36/135
HG7T	405/15/62	1660/31/124	1747/39/132	1526/37/134	1259/39/145	562/37/138
YT2W	417/13/56	1551/23/90	1797/36/127	1558/37/115	1734/38/143	740/36/124

EUROPE MULTI-OPERATOR MULTI-TRANSMITTER

9A1A	1530/23/92	2263/32/126	3139/38/149	2440/39/151	2122/39/149	1173/37/143
DR1A	1197/20/84	2202/33/128	2747/39/151	2703/39/152	1683/39/158	1615/36/157
LZ9W	1144/19/72	1873/32/124	3463/39/151	2449/38/148	1870/38/147	1130/38/149
Z38N	1339/18/72	2424/27/103	3126/37/140	2525/36/132	2458/38/139	1477/35/141
DFØHQ	926/17/73	1889/29/111	2634/39/154	2119/39/157	1735/39/153	999/36/146

EL2A to fourth place in their final effort. *(See G3SXW's article on the VooDudes elsewhere in this issue—ed.)* They disposed of their large, ageing stock-pile of equipment, with much of it donated to the Liberian Radio Amateur Association. They vow to return to CQ WW from somewhere else in the world using newer, more lightweight gear. Well done, boys!

The team at K3LR duplicated their USA victory on SSB with one on CW. This is only the third time K3LR has won the Multi-Multi category on CW in 20 years of trying. W3LPL was nipping at their heels.

Club Competition

The Club Competition gives clubs of all sizes an opportunity to encourage members to get on the air, work DX, and have fun. The top club score for 2012 goes to the Yankee Clipper Contest Club. Its 259 entries generated over 478 million points! The top DX club score was once again won by the Bavarian Contest Club of Germany. Its 284 entries were the highest of any club.

Final Thoughts

There were many comments about the fun and excitement of live scoreboards during the contest. The most popular scoreboard site was *www.cqcontest.ru.* Stations post their score in real-time during the contest. The scoreboard removes some of the isolation of contesting by letting you see how others are doing. It can be motivational to chase down your rival—or try to stay ahead of them! The Radio Arcala stations CR2X, OH8X, and OHØX augmented the live scoreboard with audio and video streams so you could see and hear the operator. According to OH6KZP, "This is a trial exercise in openness and transparency that I think is very good for radiosporting … the scoreboard also adds a new dimension of in-contest excitement."

It seems to be an annual topic of complaint about stations not sending their call enough. Running stations are happy to send TU to finish a QSO, leaving everyone listening to wonder what their callsign could be. More and more there are calls for rule changes to require signing the call as part of each QSO. Perhaps it would be better if these ops offered a little courtesy and sent their call more often. They may find dupes go down and score goes up!

Bad signal quality was another complaint. Bad tone, wide fuzzy signals, or key clicks ruin the fun of others. Now that the SDR recordings are in place we are considering disqualifications for those stations that show poor sportsmanship with their bad signals.

This impressive antenna farm at PZ5T was used in the single operator category by Yuri, VE3DZ.

Vassilis (SV1DPJ) is operating the run station at SZ1A while Takis (SV2FWV) and Panos (SV1HKH) look on.

CQ WW CW 2012 on the Web

SZ1A photo album: https://picasaweb.google.com/114195421952141682894/ContestCQWWCW2012
PJ2T photo album: http://www.pj2t.org/ccc/CQWWCW2012/CQWWCWContestAlbum/cqwwcw2012.html
P40F photo album: http://r5ga.com/photos.php?id=15
One and half hours of CQWW DX CW in eleven seconds: http://youtu.be/D4P9ZlDMlQA
CQWW CW 2012 Activity as seen from New Zealand: http://youtu.be/n4K2KvlDJ5I
Interview with OH6KZP operator of CR2X: http://www.contestclubfinland.com/documents/PileUP2_12.pdf
Best QSO rates: http://rate.pileup.ru/qso.php?contest=CQ-WW-CW&year=2012
LT1F CQWW CW 2012 LU1FAM: http://youtu.be/YCP5sq4m4FY
LP1H CQWW CW 2012 SOAB (A) op. LU5DX: http://youtu.be/-zQ0V3zaYno
K9CT CQ WW CW M/2: http://youtu.be/qF8NtdPezXQ
ED1R - CQ WW DX CW 2012: http://www.youtube.com/watch?v=IbmsO-xLCRo&feature=share&list=PL2C9F29413E837A32
HK1NA - CQ WW CW 2012 @HK1R Jumanji Field Contest Station: http://youtu.be/XEPJwDMjq5U
CQWW CW 2012 - EI2KC on 80 metres: http://youtu.be/x-FO9_pJ57o
CQ WW CW 2012 - TC7X: http://youtu.be/_pF7tF8JNyY
CQWW CW 2012 RT3F: http://youtu.be/A3UVzSUuTKg
HF8N CQWW CW 2012: http://youtu.be/rymfeLRkELY

The CQ WW Contest Committee works hard to keep the contest fun and fair for everyone. There is a working group that helps you submit your logs and another that investigates those logs we suspect may have a rules violation. The SDR team recorded all bands from multiple places around the world. Volunteers typed in the 68 paper logs so they could be included in the checking. As always, thanks to Ken, K1EA, for all of his work to develop the log-checking software. John, K1AR, handles the plaque program, and Barry, W5GN, makes sure the 1,811 certificates will get into the mail.

We have changed the organization of the line scores. The Assisted category entries are now listed immediately after the single operator entries for each call area or country. Assisted scores are indicated by an extra "A" appended to the category in the line scores.

The new five-day log deadline was a tremendous success. Having the logs early enabled us to immediately begin the checking process and get the results into the magazine four months earlier than before! Late logs are shown in italics in the line scores.

We hope you enjoyed the 2012 CQ WW DX CW Contest. For expanded results, including more extensive Top Scores boxes, ops of multi stations, and DX and USA QRM, go to www.cq-amateur-radio.com.

A complete review of the rules is planned, so please check the cqww.com and www.cq-amateur-radio.com websites before the 2013 WW DX SSB and CW contests for any changes. The 2013 WW CW contest will be November 23–24, 2013. This is *not* on the USA Thanksgiving holiday weekend, so make plans to be on the air. See you there! 73, Randy, K5ZD

(Continued on page 101)

2012 CQ WW CW & SSB COMBINED CLUB SCORES

United States

Club	#Entrants	Total Score
YANKEE CLIPPER CONTEST CLUB	259	478,430,080
FRANKFORD RADIO CLUB	169	353,267,002
POTOMAC VALLEY RADIO CLUB	221	300,914,986
NORTHERN CALIFORNIA CONTEST CLUB	117	129,251,659
FLORIDA CONTEST GROUP	103	110,942,271
NORTH COAST CONTESTERS	36	100,974,740
MINNESOTA WIRELESS ASSN	123	96,779,035
SOCIETY OF MIDWEST CONTESTERS	119	86,738,715
ARIZONA OUTLAWS CONTEST CLUB	89	71,577,941
SOUTHERN CALIFORNIA CONTEST CLUB	64	61,309,448
MAD RIVER RADIO CLUB	36	50,095,560
SOUTH EAST CONTEST CLUB	32	49,846,651
CAROLINA DX ASSOCIATION	58	49,233,286
WILLAMETTE VALLEY DX CLUB	52	42,190,027
WESTERN WASHINGTON DX CLUB	56	36,806,573
CENTRAL TEXAS DX AND CONTEST CLUB	36	34,446,553
ALABAMA CONTEST GROUP	45	32,688,468
TENNESSEE CONTEST GROUP	49	32,451,323
DFW CONTEST GROUP	39	23,932,998
GEORGIA CONTEST GROUP	21	22,995,189
GRAND MESA CONTESTERS OF COLORADO	34	22,768,710
HUDSON VALLEY CONTESTERS AND DXERS	32	15,831,028
LOUISIANA CONTEST CLUB	13	12,425,687
CTRI CONTEST GROUP	11	10,742,730
MADISON DX CLUB	14	10,051,224
NORTH TEXAS CONTEST CLUB	12	9,014,069
MOTHER LODE DX/CONTEST CLUB	25	8,791,077
SPOKANE DX ASSOCIATION	20	8,387,993
IOWA DX AND CONTEST CLUB	5	8,356,549
LONE STAR DX ASSOCIATION	5	7,910,854
SOUTHWEST OHIO DX ASSOCIATION	10	7,690,749
UTAH DX ASSOCIATION	22	7,672,611
ROCHESTER (NY) DX ASSN	25	7,389,945
WESTERN NEW YORK DX ASSOCIATION	21	6,918,451
NORTHERN ROCKIES DX ASSOCIATION	4	6,482,299
DELAWARE LEHIGH AMATEUR RADIO CLUB	7	4,209,044
BRISTOL (TN/VA) ARC	15	3,976,194
DELARA CONTEST TEAM	11	3,606,358
MISSISSIPPI VALLEY DX/CONTEST CLUB	8	3,398,827
HILLTOP TRANSMITTING ASSN	5	3,379,602
NORTHERN ILLINOIS DX ASSOCIATION	5	2,998,742
KANSAS CITY CONTEST CLUB	12	2,704,300
CENTRAL ARIZONA DX ASSOCIATION	5	2,272,598
SAN DIEGO DX CLUB	5	2,263,779
BORING AMATEUR RADIO CLUB	3	2,259,618
SOUTHERN CALIFORNIA DX CLUB	7	2,173,923
BERGEN ARA	8	2,110,609
TEXAS DX SOCIETY	7	1,809,712
SALT CITY DX ASSOCIATION	4	1,576,484
KANSAS CITY DX CLUB	8	1,519,726
ALLEGHENY VALLEY RADIO ASSOCIATION	4	1,384,580
KENTUCKY CONTEST GROUP	6	1,361,676
SOUTHEASTERN DX CLUB	4	1,209,087
METRO DX CLUB	15	1,108,032
BRAZOS VALLEY AMATEUR RADIO CLUB	5	1,030,917
599,DX ASSOCIATION	7	860,669
NORTHERN ARIZONA DX ASSN	4	844,669
NORTHEAST WISCONSIN DX ASSN	4	836,247
ALBUQUERQUE DX ASSN	6	728,285
RADIO CLUB OF REDMOND	4	700,199
WEST PARK RADIOPS	12	698,546
PORTAGE COUNTY AMATEUR RADIO SERVICE	5	692,584
PUEBLO WEST AMATEUR RADIO CLUB	5	557,024
PADUCAH AMATEUR RADIO ASSOCIATION	3	528,894
STERLING PARK AMATEUR RADIO CLUB	9	517,296
MILFORD OHIO AMATEUR RADIO CLUB	10	444,467
SKYVIEW RADIO SOCIETY	10	440,266
LOW COUNTRY CONTEST CLUB	4	432,107
SOUTH JERSEY DX ASSOCIATION	4	410,465
REDWOOD EMPIRE DX ASSOCIATION	3	389,408
EASTERN IOWA DX ASSN	4	369,831
GREAT SOUTH BAY AMATEUR RADIO CLUB	3	276,636
FORT WAYNE RADIO CLUB	3	256,065
NORTH CAROLINA DX AND CONTEST CLUB	4	233,715
BLUE RIDGE AMATEUR RADIO CLUB	3	175,700
SOUTH TEXAS DX AND CONTEST CLUB	4	104,600
BADGER CONTESTERS	3	89,344
QSY SOCIETY	3	66,327
LINCOLN AMATEUR RADIO CLUB	3	65,364

DX

BAVARIAN CONTEST CLUB	284	385,825,731
RHEIN RUHR DX ASSOCIATION	208	261,225,539
CONTEST CLUB ONTARIO	109	198,558,034
CROATIAN CONTEST CLUB	78	144,382,999
LU CONTEST GROUP	56	107,651,451
SLOVENIA CONTEST CLUB	56	105,889,191
CONTEST CLUB FINLAND	72	105,428,414
UKRAINIAN CONTEST CLUB	104	103,910,153
ARAUCARIA DX GROUP	62	103,277,730
BLACK SEA CONTEST CLUB*	119	85,308,618
URAL CONTEST GROUP	33	80,080,037
SP DX CLUB	134	67,320,424
HA-DX-CLUB	21	62,507,905
KAUNAS UNIVERSITY OF TECHNOLOGY RC	54	56,939,062
RUSSIAN CONTEST CLUB*	70	56,892,778
LZ CONTEST TEAM	6	43,183,588
VK CONTEST CLUB	33	39,780,130
CT3,MADEIRA CONTEST TEAM	3	39,475,183
ORCA DX AND CONTEST CLUB	42	36,953,476
ARAB CONTEST CLUB	6	33,926,914
BOSNIA AND HERZEGOVINA CONTEST CLUB	18	33,195,388
LES NOUVELLES DX	12	31,968,331
LATVIAN CONTEST CLUB	44	30,776,454
CONTEST GROUP DU QUEBEC	17	30,595,855
SOUTH URAL CONTEST CLUB	29	26,821,234
WORLD WIDE YOUNG CONTESTERS*	17	26,266,611
CLIPPERTON DX CLUB	17	24,930,576
WEST SERBIA CONTEST CLUB	9	23,078,662
VYTAUTAS MAGNUS UNIVERSITY RC	12	20,721,263
SKY CONTEST CLUB	5	20,652,431
MARITIME CONTEST CLUB	32	20,584,499
BELARUS CONTEST CLUB	24	20,305,405
RIO DX GROUP	53	18,870,505
CHILTERN DX CLUB*	33	18,386,109
RADIO CLUB HENARES	11	17,608,311
YU CONTEST CLUB	25	16,190,221
SOUTH GERMAN DX GROUP	15	16,189,506
RUSSIAN CW CLUB*	50	14,126,880
TARTU CONTEST TEAM	4	14,038,324
VRHNIKA CONTESTERS	9	13,665,673
LYNX DX GROUP	4	13,343,173
WEY VALLEY AMATEUR RADIO GROUP	5	10,540,636
BRITISH COLUMBIA DX CLUB	3	10,370,402
DANISH DX GROUP	15	10,139,103
BELOKRANJEC CONTEST CLUB	13	9,726,021
UNIVERSITY OF TOKYO CONTEST CLUB	7	9,673,532
LITHUANIAN CONTEST GROUP	15	9,650,073
599 CONTEST CLUB	7	9,066,941
RADIO CLUB VENEZOLANO CARACAS	7	8,890,165
RADIO AMATEUR ASSOC OF WESTERN GREECE	5	8,849,347
GRIMSBY AMATEUR RADIO SOCIETY	7	8,730,626
TORRENT CONTEST CLUB	4	8,502,432
IVANOVO DX CLUB	6	8,377,394
CSTA BUCURESTI	15	8,136,274
VU CONTEST GROUP	12	7,974,869
NOVOKUZNETSK RADIO CLUB	12	7,906,904
SHAKHAN CONTEST CLUB	5	7,685,139
YO DX CLUB	23	7,573,131
DONBASS CONTEST CLUB	30	7,535,316
LA CONTEST CLUB	14	6,819,618
EAST COAST CANADA CONTEST CLUB	4	6,732,621
RU-QRP CLUB*	26	6,599,389
LIPETSK RADIO CLUB	4	6,593,929
CE DX GROUP	3	6,552,114
RADIOCLUBUL RADU BRATU	6	5,787,574
ALRS ST PETERSBURG	18	5,624,061
VERENIGING VAN RADIO ZEND AMATEURS	8	4,638,013
SIAM DX GROUP	7	4,438,572
KYIV DX AND CONTEST CLUB	4	4,056,866
SASKATCHEWAN CONTEST CLUB	8	3,893,947
TEMIRTAU CONTEST CLUB	9	3,666,387
SP CONTEST CLUB	10	3,484,546
CSM BAIA MARE	4	3,386,168
RADIO CLUB PARMA	3	3,369,635
GRUPO DXXE	18	3,281,746
THRACIAN ROSE CLUB	16	3,237,330
PERM RADIO CLUB	4	3,161,477
STIRLING DISTRICT AMATEUR RADIO SOCIETY	3	3,105,862
ARCK	20	3,009,524
FALKOPINGS RADIOCLUB	6	3,095,348
YB LAND DX CLUB	19	3,027,848
R4F-DX-G	9	2,957,041
RIIHIMAEN KOLMOSET	7	2,942,277
FIRST CLASS CW OPERATORS CLUB*	4	2,775,525
NEWBURY AND DISTRICT ARS	6	2,775,473
NICOSIA CONTEST GROUP	4	2,725,241
OMSK RADIO CLUB	10	2,721,447
SK0QO SODERTORNS RADIOAMATORER	3	2,505,513
GMDX GROUP	5	2,409,641
ARGO	4	2,325,797
DOMODEDOVO	6	2,275,789
YAMAL RADIO CLUB	5	2,190,087
KOREA CONTEST CLUB	5	2,172,773
UA2 CONTEST CLUB	9	2,141,449
STAVROPOL REGION CONTEST CLUB	11	2,019,043
CENTRAL SIBERIA DX CLUB	5	2,015,027
BESSARABIAN CONTEST CLUB	5	2,011,850
ORENBURG CONTEST CLUB	6	1,967,842
SK6AW HISSINGENS RADIOKLUBB	10	1,935,540
HAROS RADIO CLUB	5	1,872,540
SOUTHERN OSAKA CONTEST CLUB	4	1,815,920
ARKTIKA	8	1,757,547
CE CONTEST GROUP	3	1,739,830
HORNET DX GROUP	4	1,724,669
TOP OF EUROPE CONTESTERS	8	1,680,636
YOGYAKARTA DX CONTEST	3	1,664,445
FOX CONTEST CLUB	4	1,627,429
GIPANIS CONTEST GROUP	10	1,595,609
PERUGIA CONTEST CLUB	11	1,502,602
SARATOVSKAYA OBLAST RADIO CLUB	5	1,396,950
RTTY CONTESTERS OF JAPAN	8	1,355,646
KILMARNOCK AND LOUDOUN ARC	3	1,269,800
CS PETROLUL PLOIESTI	7	1,268,767
AUSTRIAN CONTEST CLUB	3	1,198,145
NOVOSIBIRSK CONTEST CLUB	6	1,174,204
CENTO DX TEAM	10	1,140,812
CHINGGIS KHAN RADIO CLUB	3	1,066,446
SAMARA RADIO CLUB	7	1,052,194
VLADIMIR CONTEST GROUP	8	1,031,938
GUARA DX GROUP	10	1,001,033
MURMANSK RADIO CLUB	3	960,118
CICEVAC CONTEST CLUB	3	930,039
ESHANESS RADIO CLUB	3	918,231
VOLYN CONTEST GROUP	13	895,097
OBNINSK QRU CLUB	8	888,030
BRACKNELL AMATEUR RADIO CLUB	3	870,978
AFARU ARMED FORCES AMATEUR RADIO UNION	3	825,100
VLADIMIR RADIO CLUB	3	819,922
CS CRISUL ORADEA	3	786,979
PODOLSK	9	782,666
RADIOAMATOR	5	667,185
KIEV RADIO CLUB	4	641,610
A56 WATERLAND	10	625,727
KEMEROVO RADIO CLUB	3	609,592
KALININGRAD RADIO CLUB	4	593,700
BKV RADIO CLUB	3	575,499
GERMAN DX FOUNDATION	8	573,357
AMSTERDAM DX CLUB	3	549,909
KIEL CANAL AKTIVITY GROUP	3	538,477
SK2AT FORENINGEN UMEA RADIOAMATORER	3	514,508
CENTRAL SERPUKHOV RADIOCLUB	3	505,819
BEST HAMS CONTEST CLUB	3	488,940
MAYCOPSKIJ RADIO CLUB	5	475,910
ACTIVITY SMOLENSK GROUP	3	467,109
YOKOHAMA DX CLUB	7	443,883
BASHKORTOSTAN DX CLUB	6	433,678
CANTAREIRA DX GROUP	10	429,090
BAHIA DX GROUP	3	413,459
ARI LOMAZZO - PROJECT DX TEAM	3	412,081
IRKUTSK RADIO CLUB	3	370,025
KRIVBASS	6	353,721
VORONEZH RADIO CLUB	5	345,655
MOSCOW RADIO CLUB	7	344,872
GRUPO DIGITAL GASTEIZ	3	337,828
UKRAINIAN DX CLUB	3	337,569
UPPSALA RADIOKLUBB	3	303,586
BRESCIA CONTEST GROUP	4	292,748
TURKISH SPECIAL WIRELESS ACTIVITY TEAM	8	281,208
CSM BISTRITA	3	262,243
KKKK CONTEST CLUB KRASNODARSKOGO KRAYA	5	258,438
SK5LW ESKILSTUNA SANDAREAMATORER	4	257,682
RADIOCLUBUL QSO BANAT TIMISOARA	5	245,853
CSM BOTOSANI	3	244,654
BRISTOL CONTEST GROUP	3	229,659
ARI LA SPEZIA	3	226,677
CSM CLUJ-NAPOCA	4	223,786
SPORT CLUB MIERCUREA-CIUC	6	216,335
ALEXANDER THE GREAT CONTEST GROUP	3	197,593
TULA RADIO CLUB	3	183,662
ADMIRA ARAD	4	183,108
GRUPO ARGENTINO DE CW	4	171,710
CHILEAN PACIFIC DX GROUP	9	171,284
NORFOLK AMATEUR RADIO CLUB	3	156,784
MARRAD	4	154,787
YAROSLAVL CONTEST CLUB	4	153,611
OSORNO CONTEST TEAM	6	152,202
MICHURINSK CONTEST GROUP	3	118,029
UR-QRP-CLUB	4	106,474
CS SILVER FOX DEVA	3	101,347
LKK LVIV SHORTWAVE CLUB	3	84,838
CLUB DE RADIO EXPERIMENTADORES DE OCCIDENTE	4	74,806
IZMAIL RADIO CLUB	3	60,252
KRISTIANSTADS RADIOAMATORER	4	43,803
GEMILANG DX CONTEST GROUP	3	35,729
SHETLAND CONTEST GROUP	5	24,138
BARIVM DX TEAM	3	992

**Club entry does not meet all rules.*

Number groups after call letters denote following: Band (A = all), Final Score, Number of QSOs, Zones, and Countries. An asterisk (*) before a call indicates low power. An 'A' after the band indicates Assisted category. Certificate winners are listed in bold. Late logs are listed in italics. (All country terminology reflects the DXCC list at the time of the contest.)

2012 CQ WW DX CW RESULTS
SINGLE OPERATOR
NORTH AMERICA

United States - District 1

KØDQ/1	**A**	**9,607,806**	**4610**	**165**	**576**
K1DG	"	8,630,788	4333	160	562
K1ZZ	"	6,965,514	3724	153	504
K1RX	"	6,589,375	3914	143	482
W1KM	"	6,426,168	3727	140	469
W1WEF	"	5,348,940	3263	134	456
K1ZR	"	5,102,176	3331	126	418
KQ2M/1	"	3,859,755	3005	115	352
K1RU	"	3,467,569	2583	127	370
W2JU/1	"	2,521,440	1713	111	404
W1HIS	"	1,110,012	903	120	346
W1EQ	"	1,065,334	1106	88	258
K1BV	"	925,287	942	84	279
K1YT	"	625,702	599	91	283
KC1XX	"	586,360	796	69	205
					(OP:K1EA)
KA1J	"	519,458	547	96	262
W1FM	"	427,062	493	84	243
K1LU	"	353,808	485	92	232
K8PO/1	"	232,368	302	85	197
NG7A/1	"	205,288	461	70	198
AA1SU	"	161,974	306	71	147
K1CN	"	124,701	255	62	149
AK1N	"	116,160	246	56	120
K1RM	"	82,814	316	24	70
KB1SNB	"	_67,039_	_204_	_40_	_117_
W1OHM	"	51,322	166	40	94
K1KU	"	36,704	164	52	96
WB1AEL	"	31,195	137	29	56
K1KI	**28**	**541,242**	**1239**	**32**	**130**
WC1M	"	369,342	946	29	113
W3EP/1	"	247,320	689	29	106
K1WHS	"	22,610	132	23	62
NN1N	**21**	**959,952**	**2045**	**37**	**131**
W1MK	**3.5**	**420,665**	**1397**	**25**	**94**
NX1T	"	11,229	94	17	40
***N1UR**	**A**	**3,986,828**	**2629**	**131**	**431**
*WA1Z	"	3,815,427	2301	143	454
*W1JQ	"	1,842,071	1293	116	401
*N1IX	"	1,442,430	1262	108	315
*K1HT	"	1,278,436	1056	111	317
*K1VSJ	"	1,184,976	996	103	319
*KB1T	"	992,265	896	103	312
*N1DC	"	961,140	922	91	295
*W1CCE	"	885,318	840	99	295
*KG1D	"	609,570	657	92	298
*NB1N	"	597,675	657	84	241
*W1ZK	"	520,925	629	82	229
*W3SM/1	"	408,408	496	79	229
*KX1E	"	243,588	429	51	161
*K1GGI	"	163,614	281	70	152
*K1FFX	"	_157,850_	_293_	_50_	_155_
*K1PU	"	142,410	265	59	143
*N1NN	"	129,090	266	56	139
*KQ1F	"	105,939	251	32	117
*W1ECH	"	_81,536_	_173_	_72_	_124_
*WD1H	"	36,176	138	39	97
*W1MJ	"	26,352	101	36	72
*K1DAN	"	18,040	90	37	73
*W1DAD	"	12,533	77	37	46
*KA1RFD	"	5,005	59	19	36
*KB1NHV	"	702	22	12	14
*K1PDY	"	504	33	10	14
***KG1V**	**14**	**46,500**	**181**	**22**	**71**
***KM1R**	**1.8**	**10,230**	**82**	**15**	**47**
K5ZD/1	**AA**	**10,523,916**	**4647**	**167**	**629**
K1AR	"	5,681,208	2525	176	658
K1FWE	"	5,004,675	2463	155	570
K1LI	"	3,854,100	1927	155	570
K1BX	"	3,687,764	2009	144	515
W1CSM	"	3,320,790	1725	157	537
N9NC/1	"	3,055,920	1504	161	588
W1EBI	"	2,865,564	1544	148	528
N1DG	"	2,761,722	1282	168	603
K1GQ	"	2,448,710	1537	128	437
W1QK	"	2,360,124	1589	113	420
KB1W	"	2,299,716	1633	104	404
K2TE/1	"	2,259,564	1357	141	463
K1EO	"	2,251,746	1383	137	484
K1HI	"	2,085,102	1411	125	424
W1RM	"	1,791,072	986	154	494
N3ER/1	"	1,773,963	1302	106	371
K3IU/1	"	1,747,898	1198	118	408
K1JB	"	1,725,562	1081	131	440
AE1T	"	1,668,996	1115	124	413
N1YX	"	1,468,740	988	126	412
W1MA	"	1,431,058	1073	109	373
AA1V	"	1,403,600	865	131	449
W1MSW	"	1,372,800	1069	109	371
W1ZT	"	1,289,702	882	118	411
K1ESE	"	1,265,680	894	123	397
W1TO	"	1,225,376	851	123	391
KA1R	"	1,200,590	800	132	437
KI1G	"	1,186,515	893	129	366
W1UK	"	1,151,568	797	122	406
KA1IOR	"	1,083,730	811	114	391
K1SM	"	1,020,390	867	99	331
K1RV	"	943,540	702	116	378
K1ZE	"	784,550	644	114	328
N1KWF	"	753,790	675	110	320
W1NK	"	746,046	655	105	329
KT1B	"	738,840	705	95	298
K1LD	"	676,512	570	123	341
W1NG	"	645,295	464	116	399
K1TH	"	577,914	580	96	270
K1DM	"	534,600	604	89	241
K1SND	"	518,250	572	92	283
W1ZS	"	487,736	567	75	253
N1TA	"	413,540	504	74	236
W1AN	"	382,344	404	101	257
W1KQ	"	314,874	391	65	229
AB1QP	"	277,005	358	76	237
N1YC	"	270,912	298	91	241
KG1E	"	211,012	281	70	214
N1IW	"	191,919	265	82	191
W1JR	"	184,316	257	93	191
NU1O	"	160,560	266	81	159
K1QX	"	143,175	232	77	172
NE1B	"	121,856	199	70	168
N1HRA	"	93,526	201	74	128
AA1QD	"	86,800	201	44	111
_WY1U_	"	_85,772_	_200_	_45_	_119_
W1CU	"	62,363	148	41	110
WA1N	"	58,995	166	37	98
WJ1B	"	44,240	124	48	92
W1GSH	"	_42,066_	_136_	_37_	_86_
W3IZ/1	"	38,520	159	19	71
N1XK	"	22,050	99	20	70
K1DT	"	16,700	70	41	59
W1MAW	"	13,440	76	27	53
W1FV	"	3,663	34	9	28
K1QS	**28A**	**18,334**	**113**	**23**	**66**
W1FQ	**7A**	**104,160**	**312**	**32**	**108**
KI1U	**3.5A**	**14,787**	**103**	**12**	**41**
***KS1J**	**AA**	**3,206,820**	**1983**	**116**	**454**
*W1NT	"	2,487,712	1602	130	448
*N1EN	"	1,487,808	1072	115	389
*KE1J	"	1,456,270	982	127	408
*NF1O	"	853,974	678	105	349
*K1TR	"	469,052	570	68	230
*N1API	"	375,408	501	76	221
*W1FA	"	311,518	408	68	194
*K2KQ/1	"	247,950	318	77	213
*K1ZO	"	235,235	349	58	177
*WA1ZAM	"	227,126	340	71	207
*KA2KON/1	"	227,115	273	78	237
_*AD1L_	"	_178,262_	_265_	_61_	_177_
*AJ1E	"	99,864	237	47	124
*AA1AR	"	39,295	109	61	84
*W1PID	"	16,758	125	37	61
*N1GN	"	9,196	44	32	44
_*KT1D_	"	_3,690_	_35_	_15_	_26_
*WA1DRQ	"	3,195	25	21	24
***AB1J**	**21A**	**151,830**	**431**	**26**	**100**

United States - District 2

W2FU	**A**	**5,800,860**	**3604**	**136**	**449**
					(OP:K2TJ)
W2BC	"	4,604,202	2868	140	446
					(OP:W2RU)
K2NV	"	3,355,702	2117	135	427
NX2X	"	2,641,826	1797	120	409
WB2ABD	"	1,162,130	886	130	333
WS9M/2	"	697,300	756	91	276
KE2WY	"	691,698	788	93	290
K2ZJ	"	605,024	725	80	212
KM2L	"	557,350	627	78	236
W2LC	"	541,414	603	101	233
N2YB	"	525,100	831	101	255
K2SLZ	"	325,748	422	73	211
K2XF	"	128,991	231	64	155
W2XL	"	126,800	233	57	143
K2LML	"	51,328	217	38	90
W2OP	"	4,200	51	22	34
W2NK	"	189	15	13	14
K2AXX	**28**	**234,390**	**652**	**25**	**105**
N2MF	**14**	**962,136**	**2149**	**37**	**131**
N2RM	"	379,890	1056	30	96
KC2LST	"	56	4	4	4
KU2M	**3.5**	**94,100**	**379**	**21**	**79**
W2VO	**1.8**	**5,292**	**54**	**12**	**37**
***W2ID**	**A**	**2,223,195**	**1607**	**119**	**388**
*N2JJ	"	724,808	684	107	285
*K2UF	"	628,900	653	107	273
*N2UU	"	544,960	613	77	243
*K2ZR	"	485,784	553	94	257
*WA2TVU	"	396,967	482	86	237
*N2RI	"	290,304	401	68	220
*WA2YSJ	"	_281,790_	_387_	_87_	_223_
*WA2JQK	"	193,556	315	89	243
*W2BEE	"	179,010	301	75	180
*K2TV	"	170,275	301	77	168
*K2ZL	"	121,636	244	54	134
*K2XE	"	108,756	241	42	129
*KR2AA	"	104,780	239	46	123
*WA2VZQ	"	_96,638_	_253_	_61_	_150_
_*W2XS_	"	_86,578_	_208_	_40_	_106_
_*K2PW_	"	_85,671_	_190_	_48_	_119_
*AA2TH	"	77,875	170	52	123
_*N3SY/2_	"	_60,025_	_192_	_51_	_124_
*AC2FA	"	57,531	195	49	102
*W2KAI	"	51,322	156	46	88
*K2RNY	"	48,786	135	49	92
*K2QO	"	48,060	142	45	90
*N2CK	"	27,412	108	27	62
*W2LCQ	"	26,643	122	32	75
*N2CG	"	23,638	95	40	66
*K2EN	"	22,200	133	43	57
*W2FG	"	15,438	71	34	59
*K3BU/2	"	15,136	67	31	55
*K2JF	"	8,970	87	23	55
*KF2UJ	"	4,080	33	18	30
*K2SZ	"	1,302	27	11	20
*NG2D	"	473	54	11	32
***W2TF**	**28**	**40,680**	**178**	**22**	**68**
*W2CVW	"	_40,120_	_179_	_17_	_68_
*WA3YRI/2	"	13,054	81	16	45
*KD2MX	"	726	22	3	8
***NT2DR**	**7**	**17,236**	**121**	**15**	**47**
*NA2X	"	10,047	78	11	40
*W3EH/2	"	8,160	66	17	34
*N2HR	"	6,392	59	13	34
K2K	**AA**	**4,817,940**	**2017**	**188**	**697**
					(OP:K2NG)
N2MM	"	4,325,232	2295	155	563
N2CU	"	3,908,868	2009	149	559
W1GD/2	"	3,667,551	1857	152	551
N2WKS	"	3,200,160	1693	160	548
N2SR	"	2,828,805	1930	134	475
N2GC	"	2,658,436	1413	147	535
N2BA	"	2,613,348	1397	151	536
KF2O	"	2,266,518	1097	161	590
W2LE	"	2,045,628	1289	131	433
K2ONP	"	1,992,144	1333	122	417
KL1A/2	"	1,649,445	1706	120	363
WQ2N	"	1,645,728	1189	122	374
_K2MK_	"	_1,491,579_	_1106_	_116_	_361_
K2ZC	"	1,093,116	941	92	334
W2YR	"	1,087,065	705	141	454
W2RD	"	1,081,752	712	131	417
AI2N	"	1,012,622	867	111	331
AB2E	"	974,175	794	109	356
K2GN	"	681,725	630	93	314
N2ED	"	671,394	866	82	216
K2QPN	"	631,048	589	96	308
W2NO	"	508,464	444	111	317
NA2M	"	439,649	476	90	257
K2CJ	"	398,930	494	69	218
N2VW	"	319,264	394	92	260
NJ1F/2	"	270,286	350	75	223
AB2DE	"	242,094	307	96	218
AA2DT	"	224,010	309	73	189
WA2MCR	"	201,051	322	85	182
WK2H	"	138,450	249	49	164
W2GDJ	"	108,741	202	54	147
K2YR	"	104,799	203	50	131
N1JP/2	"	100,334	169	55	166
K2EP	"	89,994	199	36	123
WB2KSP	"	_51,810_	_153_	_56_	_101_
NG2P	"	32,395	126	28	67
WA3AFS/2	"	8,100	55	54	54
WF2B	"	7,998	49	24	38
WB2AIV	"	6,552	48	16	36
N2EIK	"	5,136	41	16	32
N2HO	"	1,440	19	15	15
K2SSS	**28A**	**388,838**	**949**	**29**	**129**
W2RR	"	55,245	164	30	97
					(OP:WA2AOG)
WR2G	**14A**	**153,738**	**382**	**34**	**112**
NP3D/2	**7A**	**5,650**	**48**	**11**	**39**
					(OP:EW1AR)
***N2WK**	**AA**	**1,735,968**	**955**	**154**	**522**
*NW2K	"	1,475,108	1125	115	363
*K2QB	"	402,598	495	75	223
*K2DB	"	342,160	361	104	260
*W2SA	"	322,004	383	90	226
*K2TWI	"	303,408	429	55	203
*K2ZD	"	286,672	378	84	244
*N2FF	"	268,119	343	62	217
*W2CCC	"	_266,875_	_353_	_91_	_214_
					_(OP:K2CS)_
*WW2P	"	263,610	374	77	184
*N2IW	"	214,320	301	70	215
*N2SO	"	137,865	262	59	136
*N2CQ	"	123,753	186	70	179
_*KE2D_	"	_110,856_	_223_	_61_	_125_
*K2BB	"	90,496	164	59	143
*WB9G/2	"	88,077	179	65	122
*N2HSY	"	73,704	186	53	113
*WK2T	"	63,304	154	50	114
*WV2ZOW	"	_44,890_	_132_	_45_	_89_
*W2NAF	"	42,120	141	38	97
*KS2G	"	37,929	108	35	106
*AG2T	"	36,936	124	27	81
*N2RJ	"	5,980	43	17	35
*WJ3P/2	"	4,371	46	18	29
*WC2L	"	1,736	25	8	20
*KM2O	"	1,700	19	15	19
***K2MFY**	**21A**	**171,150**	**430**	**31**	**119**
_*WB2AA_	_14A_	_213,306_	_524_	_33_	_113_
***K2RK**	**"**	**57,443**	**218**	**29**	**80**
*KØSM/2	"	46,101	144	25	96
***K2SQS**	**7A**	**3,816**	**41**	**9**	**27**

United States - District 3

K3CR	**A**	**9,875,565**	**4609**	**171**	**578**
					(OP:LZ4AX)
AA1K/3	"	5,564,350	3060	152	518
NN3W	"	5,527,846	3235	151	483
					(OP:KL2A)
K3TC	"	1,698,800	1156	130	418
K3UL	"	993,342	982	122	347
N3RJ	"	743,526	786	102	276
W3DF	"	610,974	795	68	205
N3WD	"	132,639	221	70	177
K4JLD/3	"	87,330	200	68	145
W3GNQ	"	16,932	92	33	69
WB4FDT/3	"	9,750	75	22	53
N3LT	"	3,956	39	18	28
W3BGN	**28**	**459,732**	**1066**	**30**	**126**
K3JGJ	**3.5**	**78,732**	**269**	**22**	**86**
K3AJ	"	46,892	260	19	57
K3WGR	"	_4,272_	_75_	_11_	_37_
W3GH	**1.8**	**26,376**	**137**	**19**	**65**
***W3EF**	**A**	**3,998,400**	**2551**	**145**	**443**
*W3IUU	"	560,604	617	98	243
*KB3LIX	"	442,734	479	90	249
*N2US/3	"	358,275	469	64	217
_*N8NA/3_	"	_268,850_	_359_	_80_	_203_
*ND3R	"	263,314	363	75	199
*WO3Z	"	198,705	354	50	145
*AA3DF	"	154,979	373	42	151
*WA2VQV/3	"	82,582	201	42	115
*AB3AH	"	71,115	201	36	129
*K3MRG	"	58,740	171	36	96
*AB3LS	"	53,160	170	45	75
*K3CWF	"	52,800	171	35	85
*KD3HN	"	51,156	179	58	116
*N3ZP	"	50,820	149	44	88
*WA1T/3	"	35,200	122	37	73
*N3EA	"	29,835	138	36	81
*W3VKD	"	_9,548_	_49_	_31_	_46_
*K3STL	"	9,282	59	32	46
*N3KR	"	7,399	58	12	37
*WA3V	"	4,756	49	25	33
*N3JNX	"	2,772	36	20	24
*AI3G	"	216	31	12	12
***K2PS/3**	**28**	**177,891**	**505**	**27**	**102**
*K3SWZ	"	33,781	152	23	60
***K3GW**	**14**	**175,560**	**448**	**35**	**105**
*K1EFI/3	"	69,216	227	26	86
*WB3CII	"	1,595	33	9	20
*K3JHT	"	1,566	27	13	16
***NY3B**	**3.5**	**5,850**	**63**	**15**	**30**
***NA3F**	**1.8**	**578**	**24**	**9**	**8**
K3WW	**AA**	**8,748,408**	**3916**	**173**	**651**
NY3A	"	7,414,071	3505	161	602
K3WI	"	7,254,240	3747	153	527
N3RR	"	4,202,874	2186	158	544
K3IPK	"	4,059,024	2317	137	481
K3PH	"	4,055,661	2187	148	509
N3AM	"	3,782,691	2145	146	481
NN3Q	"	3,660,816	2089	147	489
W3LL	"	3,244,896	1954	138	455
					(OP:ND3D)
KB3WD	"	3,243,070	2416	133	397
K3QF	"	3,209,974	1865	142	504
K3NK	"	2,875,740	1607	147	521
K3IT	"	2,712,640	1729	127	433
K3MD	"	2,578,842	1636	133	449
K3ZZ	"	2,487,235	1406	150	535
NA3M	"	2,318,400	1587	126	426
K3PP	"	1,931,942	1086	153	494
K3OO	"	1,929,228	1189	131	448
W3EKT	"	1,865,115	1220	127	446
KF3B	"	1,854,261	1301	117	420
K3TN	"	1,835,252	1210	127	421
W3FIZ	"	1,786,714	1264	131	455
W3CF	"	1,733,620	1119	127	453
NJ3I	"	1,677,510	1237	112	401
W3KL	"	1,650,572	1307	125	341
K3ND	"	1,579,608	1016	134	434
WA3F	"	1,558,455	1085	123	412
NE3H	"	1,511,520	1335	110	360
W2CDO/3	"	1,483,947	1123	107	370
N3NA	"	1,323,426	968	111	383
K3SV	"	1,279,044	1001	106	362
N3ZA	"	1,225,564	825	136	402
NG3J	"	1,140,593	901	106	385
W3GK	"	1,100,223	882	105	354
NB3R	"	1,063,120	1060	82	306
WT3Q	"	1,035,475	813	124	361
KC3WX	"	958,230	898	104	286
W9GE/3	"	924,924	746	103	359
K9RS/3	"	908,215	616	116	423
K3NM	"	901,485	623	142	443
N3MX	"	828,084	688	120	333
N3NR	"	631,627	598	102	295
K3VA	"	595,962	629	80	259
WA3AAN	"	518,896	601	80	248
W3OU	"	500,786	500	102	272
W3SQ	"	458,351	583	68	239
NK3Y	"	380,730	492	75	219
K3ATO	"	301,167	388	87	220
WI2E/3	"	278,278	386	80	206
KD3TB	"	186,864	268	72	200
N3XL	"	180,276	295	71	178
W3UL	"	153,576	269	67	149
NN3RP	"	128,366	298	46	127
K3RMB	"	111,361	218	56	137
KB3CTX	"	68,376	157	47	121
K3KNL	"	_68,229_	_264_	_60_	_111_
AF3I	"	64,056	179	47	89
NW3H	"	47,742	161	46	100
K3TUF	"	45,216	119	48	96
W3FVT	"	15,645	163	46	103
_K3YG_	"	_10,773_	_54_	_30_	_51_
N3RW	**7A**	**3,498**	**44**	**9**	**24**
W3NO	**3.5A**	**131,150**	**401**	**26**	**96**
AB3CV	"	46,020	221	16	62
***K3AU**	**AA**	**2,971,760**	**1774**	**141**	**473**
					(OP:K2YWE)
*W3KB	"	2,453,032	1513	125	453
*N3QE	"	2,050,368	1398	126	417
*WB8YYY/3	"	_676,305_	_676_	_98_	_301_
*WW3S	"	503,100	437	114	316
*W6AAN/3	"	337,404	347	100	272
*AB3IC	"	293,112	403	72	204
*W3SFG	"	287,650	383	77	198
*K3CCR	"	281,946	394	66	208
					(OP:K3DI)
_*W3KX_	"	_255,424_	_320_	_79_	_228_
*K3YD	"	101,374	203	50	132
*K3OQ	"	100,640	267	53	132
*N3QO	"	97,278	195	52	134
*W4EE/3	"	92,901	201	59	120
*WC3O	"	74,675	187	38	107
*W3AG	"	74,024	178	60	92
*KN3A	"	70,518	167	52	109
*NE3K	"	63,428	160	46	111
*N3NZ	"	54,784	166	47	81
*N8HM/3	"	38,875	112	37	88
*K3FH	"	36,000	120	38	82
_*W3OD_	"	_26,536_	_77_	_53_	_71_
*WV2M/3	"	1,776	32	20	28
*N3AFT	"	48	3	3	3
***K3STX**	**7A**	**114,436**	**307**	**30**	**104**

United States - District 4

K1TO/4	**A**	**7,088,315**	**3990**	**157**	**496**
KØEJ/4	"	3,961,113	2349	152	459
K4RO	"	3,676,538	2363	151	438
K4AB	"	3,346,200	2196	150	435
N6AR/4	"	2,725,680	1590	151	464
KØZR/4	"	2,516,006	1897	127	376
K4SSU	"	2,322,500	1724	132	368
					(OP:N4OO)
K1GU/4	"	2,115,719	1532	128	363
W4RX	"	1,651,090	1220	128	387
N4UU	"	1,649,330	1987	89	266
N4NO	"	1,622,705	1196	121	376
_K3ZM/4_	"	_1,510,185_	_1333_	_99_	_316_
K4PV	"	1,372,140	1484	110	286
N4DJ	"	1,092,240	1083	96	273
NB4M	"	1,080,182	983	103	316
NA4K	"	933,951	823	107	312
K4EU	"	900,036	791	109	305
K4MF	"	682,440	652	93	270
_W4PM_	"	_651,716_	_704_	_86_	_246_
N4ES	"	546,858	548	90	279
K4DJ	"	530,689	600	84	239
WA4JUK	"	524,799	627	89	252
N4PD	"	508,625	608	89	224
W4UT	"	505,768	593	94	237
W4NZ	"	452,400	513	99	226
KG4CUY	"	444,342	524	87	222
AD4EB	"	439,500	630	72	178
K4IVF	"	381,672	430	89	235
N4PSE	"	_359,695_	_471_	_88_	_213_
NJ4F	"	301,636	410	82	210
N4AA	"	274,784	395	64	184
K9UQN/4	"	225,453	368	62	161
K7CS/4	"	221,373	353	63	180
K3VAT/4	"	209,067	324	64	163
AI4WW	"	162,048	310	57	135
N4LZ	"	144,495	271	56	139
KE4R	"	130,660	277	52	136
K7OM/4	"	103,914	266	74	133
K3JWI/4	"	77,700	202	53	122
N4IR	"	73,766	181	40	114
W4KLY	"	_73,515_	_200_	_58_	_111_
AB4GG	"	72,534	169	54	103
K4CX	"	72,051	221	43	98
NJ2F/4	"	61,146	151	53	105
K4LM	"	39,092	126	36	80
W4QK	"	37,338	157	38	89
WW4CP	"	28,757	139	45	104
W4RJC	"	_25,600_	_156_	_59_	_101_
_N4MM_	"	_22,572_	_121_	_20_	_56_
KF4LMW	"	14,432	72	37	51
K2EUH/4	"	10,857	52	28	49
N4KZ	"	10,812	60	21	47
AJ4RW	"	154	7	7	7
W4ZV	**28**	**552,052**	**1293**	**32**	**126**
N4ZZ	**21**	**633,204**	**1362**	**34**	**130**
K4FJ	"	440,146	1054	34	115
N4CC	"	358,502	799	34	124
K4RDU	"	140,352	379	28	101
_K4FW_	"	_24_	_2_	_2_	_2_
K1SE/4	**14**	**17,536**	**101**	**16**	**48**
WX4G	**3.5**	**135,875**	**401**	**25**	**100**
K4PI	**1.8**	**43,848**	**210**	**20**	**67**
W4VKU	"	220	13	9	13
***N4YDU**	**A**	**2,741,184**	**1798**	**133**	**443**
*N2WN/4	"	2,076,800	1372	134	416
*WA1S/4	"	1,039,864	925	113	321
*N9CM/4	"	835,744	719	113	303
*W4YE	"	759,717	707	108	281
*K4ORD	"	636,272	641	95	273
*K4IE	"	431,320	525	90	238
*W4GDG	"	391,986	508	84	222
*N3GD/4	"	260,843	399	71	182
*KS4X	"	252,450	357	81	189
*N4AO	"	240,350	349	69	184
					(OP:WC4E)
*N4EK	"	235,764	381	57	165
*K4FJW	"	203,299	316	90	173
*K4NC	"	197,757	335	67	152
*NA4CW	"	187,750	277	79	171
*WØQQG/4	"	133,824	328	60	144
*WB4MSG	"	_117,961_	_253_	_46_	_133_
*K4FTO	"	116,379	257	56	137
*WA4GQG	"	114,204	239	59	127
*KI4PRK	"	108,330	190	68	162
*K4LTA	"	107,937	270	54	125
*W4NA	"	100,500	216	63	138
*N8FF/4	"	94,354	186	64	127
*KN4Y	"	82,615	235	63	142
*AA4N	"	80,838	191	54	108
*AA4KD	"	70,905	190	53	110
*N8IK/4	"	69,886	188	54	112
*W4TSP	"	_68,552_	_165_	_45_	_107_
*N4ESS	"	65,830	172	47	98
*W3SA/4	"	58,240	174	39	91
*K3MZ/4	"	55,173	131	58	101
*KI4CBN	"	51,792	155	48	108
*AI4GR	"	50,065	149	58	97
*NC3G/4	"	49,183	137	47	90
*K2DM/4	"	44,202	119	45	94
*KJ4AOM	"	43,911	160	51	102
*WB4LZT	"	43,710	185	50	105
*K4SPO	"	43,218	135	39	87
*K4YND	"	43,050	140	46	104
*KE1F/4	"	41,760	141	56	88
*N5VI/4	"	37,842	121	30	89
*W4CWA	"	37,696	136	45	79
*K4HQK	"	37,170	121	37	81
*WA4EUL	"	36,771	118	37	82
*K4UWH	"	31,784	124	34	82
*N4UFP	"	29,458	114	55	88
*K4KAY	"	28,589	110	35	78
*AC5XK/4	"	26,796	128	21	63
_*K8RF/4_	"	_22,264_	_95_	_45_	_76_
*W4BAB	"	20,470	113	43	72
*WN4R	"	19,594	102	37	64
*N3TG/4	"	15,744	72	30	52
*KI4EZC	"	15,600	85	26	49
*KI3O/4	"	14,952	65	38	51
*AI4UN	"	14,734	98	43	63
_*AD4RE_	"	_12,512_	_65_	_21_	_47_
*KA1DBE/4	"	12,388	71	22	54
*W4ZPR	"	_9,450_	_82_	_25_	_50_
*NØTR/4	"	7,526	69	27	44
*KJ4WD	"	6,832	53	25	31
*NX4N	"	6,783	52	20	37
*N4FP	"	5,406	50	18	35
*KD4JMV	"	4,600	47	16	34
_*KO4OL_	"	_2,166_	_26_	_17_	_21_
*AE4EC	"	1,952	55	25	36
*WA4ZOF	"	962	21	18	19
_*AA4LR_	"	_144_	_6_	_5_	_4_
***WB4TDH**	**28**	**187,136**	**487**	**31**	**105**
*K4WI	"	104,305	343	29	86
*W4OX	"	80,600	294	25	79
*K4PG	"	56,056	259	17	60
*N4OX	"	25,477	131	22	51
*KK4XX	"	24,651	157	23	60
*N3CZ/4	"	14,204	78	18	49
*AC4ZM	"	8,874	78	17	34
*WØETT/4	"	_779_	_20_	_9_	_10_
***N4MO**	**21**	**124,150**	**395**	**30**	**100**
*KS4YX	"	43,844	174	24	73
*K4NVJ	"	43,363	163	25	78
*N4YHC	"	40	4	2	3
***KQ8Z/4**	**14**	**89,472**	**268**	**31**	**97**
*K4XDB	"	11,550	96	18	48
***K4LY**	**7**	**67,945**	**261**	**24**	**83**
*AD4TJ	"	11,895	96	16	45
***NV4B**	**3.5**	**7,905**	**64**	**14**	**37**
***K1DC/4**	**1.8**	**352**	**17**	**4**	**7**
N4ZC	**AA**	**3,477,084**	**1580**	**174**	**632**
N2TU/4	"	3,390,001	1702	159	568
W3GQ/4	"	3,269,889	1778	155	502
K1ZZI/4	"	2,390,815	1489	129	452
W4PG	"	2,265,422	1423	133	429
W3OA/4	"	2,177,156	1230	146	488
KR4F	"	1,997,254	1124	157	505
K5KG/4	"	1,898,325	1199	143	442
N4HB	"	1,777,500	1058	141	484
W7DO/4	"	1,707,480	1127	142	416
N4VV	"	1,460,328	930	131	437
W4CU	"	1,396,386	989	120	393
N4RV	"	1,392,840	1042	137	393
WØUCE/4	"	1,372,320	1065	109	371
K2LS/4	"	1,351,760	944	134	420
N4KG	"	1,237,914	811	142	440
KG4W	"	1,170,191	854	129	380
W4JAM	"	1,137,960	798	120	402
W3YY/4	"	1,079,100	792	116	379
N4DW	"	1,032,269	767	123	374
KT4TX	"	1,027,180	724	147	491
_W5JR/4_	"	_934,920_	_748_	_121_	_356_
W4RM	"	913,780	803	103	324
W4/G3LIK	"	876,330	877	101	289
N1LN/4	"	781,503	856	90	247
N3ND/4	"	778,635	641	101	328
K4LQ	"	719,355	579	120	335
K5AUP/4	"	624,195	578	119	310
K3KO/4	"	604,901	509	98	335
AA4DD	"	561,444	560	92	274
N3KN/4	"	510,003	534	91	260
NO9E/4	"	467,382	495	103	263
AA4VV	"	454,610	496	82	256
K1GG/4	"	444,624	575	100	254
_K1MW/4_	"	_432,384_	_446_	_109_	_275_
W4QN	"	417,960	450	103	241
W9WI/4	"	406,527	496	83	208
N4NM	"	381,282	509	91	227
W4VIC	"	370,336	498	74	210
KA4RRU	"	347,004	399	88	236
WA2MBP/4	"	345,415	376	111	244
K4IDD	"	_342,735_	_352_	_81_	_284_
AA4V	"	305,568	399	74	214
NV4A	"	303,933	323	96	257
W4HG	"	290,466	417	99	198
WB4ROA	"	269,892	329	87	270
N4FX	"	259,170	323	103	223
K2SD/4	"	248,638	411	69	193
NC4S	"	231,673	385	70	181

W7WZ/4	"	231,085	460	107	302
K4HAL	"	228,855	419	61	148
W4AS	"	227,815	295	87	196
K4GMH	"	224,710	381	45	185
W4TUN	"	224,576	352	98	254
NE4M	"	213,920	339	65	159
W2YE/4	"	211,958	295	83	179
N3BM/4	"	199,307	325	56	185
K4JRA	"	186,924	297	59	163
AF4RK	"	181,412	336	50	159
K4RCG	"	177,898	362	66	196
WK4Y	"	176,748	246	75	211
W4ZN	"	171,360	293	69	155
K4AOA	"	154,880	239	74	182
K4EDI	"	143,104	213	82	174
K8KI/4	"	140,239	297	55	154
AD4IE	"	138,087	281	54	147
NS4X	"	120,625	249	67	126
ND4V	"	109,720	195	59	152
N4LR	"	102,342	177	71	151
AJ4CG	"	101,304	182	53	148
K1PT/4	"	100,572	199	63	141
K4OV	"	93,034	195	60	121
K8YC/4	"	82,824	173	69	135
AA4CF	"	79,895	198	49	96
W2OO/4	"	75,820	177	61	109
N1MGO/4	"	72,906	175	49	125
W4PV	"	67,488	213	79	149
W4GV	"	59,713	231	77	134
KA4R	"	58,880	261	57	127
K4ZRJ	"	57,122	136	46	123
WA2BCK/4	"	55,808	159	34	94
K4WW	"	53,106	195	28	78
KZ1X/4	"	43,803	106	56	101
WC3W/4	"	40,467	150	49	92
WW4DD	"	34,892	142	49	94
N4DXI	"	32,184	104	43	65
N4RJ	"	31,089	114	59	70
N3ZV/4	"	30,480	95	62	65
K4XD	"	22,944	105	35	61
WA3OFC/4	"	19,520	80	44	78
W4BW	"	12,719	63	28	51
NN4X	"	9,240	47	31	46
NN4K	"	3,431	31	22	25
W6IZT/4	28A	239,745	609	32	133
N4TB	"	157,542	469	30	91
WJ2D/4	"	122,598	361	28	98
N4PN	21A	668,682	1426	35	139
N3UA/4	"	62,160	214	30	75
N4GU	"	6,820	59	16	39
WA4RTE	"	5,016	43	17	27
WB2REM/4	14A	58,035	150	37	122
N4RA	"	31,040	129	26	71
W4MYA	7A	210,796	513	33	118
K9IL/4	"	72,136	228	31	96
W4ATL	"	1,025	19	9	16
W4PK	3.5A	38,880	180	20	61
K4YYL	"	22,960	115	14	56
W4TTY	"	12,462	84	18	44
KI4WCQ	"	3,880	38	11	29
W6IHG/4	"	464	13	7	9
N4NW	1.8A	520	12	8	12
*WD4AHZ	AA	2,025,072	1282	133	441
*WA1FCN/4	"	1,407,980	1047	138	427
*N4HA	"	631,240	637	92	275
*AA4R	"	612,986	642	84	290
*KN4QD	"	551,678	554	95	263
*N4CJ	"	438,416	533	106	270
*N5IE/4	"	420,894	450	89	260
*AB4SF	"	410,205	458	92	253
*KS4S	"	375,240	493	75	220
*N4WO	"	347,888	503	75	197
*K1KNQ/4	"	295,960	395	68	212
*WF7T/4	"	272,720	364	80	200
*W7ZWA/4	"	271,168	332	84	220
*NA4EA	"	237,923	336	78	209
*W4PJW	"	225,676	342	79	174
*W4TTM	"	223,344	324	77	187
*K9IA/4	"	201,331	365	53	168
*N4NX	"	183,520	252	94	202
*NT4H	"	133,455	253	60	157
*WA4PGM	"	130,455	220	68	155
*N4TOL	"	125,967	253	65	146
*KD4SN	"	120,224	212	75	146
*W3WW/4	"	117,208	239	55	127
*K4SKA	"	112,684	273	47	150
*N4KH	"	101,994	207	67	124
*N4ARO	"	95,800	185	67	133
*K1GW/4	"	93,015	184	52	143
*WB4MNK	"	84,630	235	69	126
*KK4CIS	"	74,002	174	50	113
*WN4AT	"	56,826	159	59	95
*W4WNT	"	54,549	123	52	119
*KK4EIR	"	54,400	145	65	105
*KH2D/4	"	43,878	126	39	103
*K8LF/4	"	43,865	124	57	98
*K4HC	"	36,894	104	38	91
*KB4KBS	"	34,506	112	40	102
*KTØP/4	"	30,654	100	39	78
*N4UC	"	26,070	102	34	76
*K4ZGB	"	22,386	90	28	63
*K9AIH/4	"	21,090	84	34	61
*KS4L	"	14,193	69	34	49
*NZ6O/4	"	11,760	62	32	48
*N4LF	"	2,816	30	11	21
*WA4HXC	"	2,183	24	15	22
*AK4YU	"	2,016	24	8	20
*K4WES	"	1,728	21	14	18
*K4AGT	"	1,364	21	12	19
*N9KY/4	"	315	8	7	8
*AK4WL	"	290	20	14	15
*W1IE/4	"	96	7	4	4
*KF7NN/4	28A	35,689	164	25	64
*W6HGF/4	"	24,728	109	21	67
*NW4V	14A	63,492	202	27	84
*N3AO/4	"	1,032	23	8	16

United States - District 5

N2IC/5	A	7,034,265	3682	170	515
WXØB/5	"	4,615,824	2953	148	444
					(OP:AD5Q)
N5RZ	"	4,479,234	2655	162	480
K5RX	"	2,412,504	1487	161	451
NA5G	"	738,093	679	125	312
K6SXA/5	"	623,906	647	104	243
N5DY	"	267,096	379	82	166
W8FN/5	"	224,750	339	78	172
KD5JAA	"	189,689	330	86	125
WA5KGW	"	160,956	218	82	181
KE3D/5	"	77,112	191	65	103
N5WX	"	70,280	198	42	98
N5UI	"	53,802	152	42	84
N3BB/5	"	46,754	183	37	60
K5ER	"	22,638	98	38	60
WA5LFD	"	21,321	80	41	62
KK5JY	"	15,159	83	36	57
AA5B	28	57,024	229	26	62
KZ5J	21	180,810	555	29	94
N5NU	14	676,915	1441	38	147
NR5M	7	669,445	1513	37	118
					(OP:K5GA)
K5WL	"	6	1	1	1
WD5R	1.8	20,355	195	19	50
					(OP:N5ECT)
*N5AW	A	3,260,572	1855	160	484
*WD5K	"	1,490,760	1087	129	376
*K5KLA	"	983,875	823	124	301
*K5KU	"	920,185	859	117	310
*N5PO	"	685,650	700	93	257
*WQ5L	"	617,210	608	115	247
*K5LH	"	539,462	611	96	245
*W5RYA	"	537,655	650	104	263
*N5XE	"	370,815	477	85	210
*WA5ZKO	"	242,824	374	78	161
*N5KWN	"	208,008	343	74	169
*N7FUL/5	"	197,520	375	80	160
*KØGEO/5	"	144,720	278	64	137
*NO5Q	"	136,200	273	66	134
*KA5CJJ	"	133,950	274	59	131
*NF5Y	"	122,324	217	75	137
*WQ5R	"	93,450	277	76	134
*NI5F	"	73,515	204	49	96
*N9OF/5	"	72,906	159	56	118
*W5YH	"	63,796	192	55	109
*N9NM/5	"	59,830	194	54	101
*N5PU	"	55,955	174	52	103
*W5HNS	"	54,964	145	49	102
*WT9U/5	"	41,328	145	46	77
*WØEP/5	"	41,019	135	44	77
*WE6EZ/5	"	40,548	129	46	78
*W5PQ	"	39,672	131	35	81
*KF5OXZ	"	35,760	106	36	84
*N5KF	"	31,937	118	46	63
*AE5MM	"	23,630	108	31	54
*W5LEW	"	23,246	94	42	76
*KV5Q	"	21,364	86	39	59
*W5JBO	"	20,962	101	31	63
*K5WX	"	18,549	108	32	49
*N5LUL	"	7,952	66	28	28
*WA5RML	"	7,503	49	28	33
*N5DTT	"	4,961	50	16	25
*AA5VU	"	4,508	92	43	55
*W5MRM	"	3,234	42	25	24
*AC5T	"	3,154	39	13	25
*KC5LAN	"	475	19	10	9
*N4IJ/5	28	172,638	474	31	107
*WA5JWU	"	36,162	177	25	57
*AD5MN	"	33,696	157	25	56
*NM5Y	21	82,880	285	26	86
*K5MBA	"	5,289	52	13	28
WØVX/5	AA	2,641,012	1533	145	477
K5TR	"	2,557,149	1386	181	608
N5JR	"	2,496,403	1400	154	483
N5XZ	"	2,314,088	1567	138	464
AC4CA/5	"	1,645,644	1109	140	408
AB5K	"	1,194,898	836	131	407
N5AA	"	1,056,510	579	169	533
					(OP:K5NA)
N9MM/5	"	957,864	945	106	267
K7IA/5	"	866,285	749	123	344
K5UV	"	644,464	631	108	268
N5QQ	"	529,197	472	109	310
K5GM	"	493,060	520	107	249
AE5X	"	479,886	507	103	260
W5KI	"	401,014	418	106	240
K5BG	"	329,960	397	89	203
KØNM/5	"	326,796	503	92	247
NK5G	"	319,748	442	84	202
W5HD	"	305,375	390	115	234
WA5VSK	"	269,660	402	92	186
K5MV	"	228,352	395	68	155
KA5M	"	226,460	312	69	191
K5LJ	"	189,342	227	108	206
N5VU	"	181,944	301	71	157
N5UL	"	171,171	264	95	152
K5HDU	"	100,096	218	59	125
N5MT	"	82,880	194	47	113
KG5VK	"	80,445	191	47	126
W2GS/5	"	70,152	186	56	102
W5/UA3TT	"	45,663	210	32	61
N5ZC	"	17,094	86	35	39
K5RT	"	10,530	71	31	34
W5OV	"	9,744	71	24	34
N5MOA	"	7,320	45	26	34
WBØTEV/5	"	2,072	21	18	19
N5XJ	28A	271,328	784	31	108
AA5AU	"	11,736	63	15	57
WØMM/5	21A	676,800	1397	36	144
W5GN	"	374,788	793	35	137
N5ZK	"	194,340	482	33	125
					(OP:W5ASP)
KU5B	14A	618,222	1397	39	148
N5PG	7A	4,784	36	14	32
N5JB	3.5A	29,484	157	19	62
NX5M	1.8A	19,584	160	20	52
*NM5M	AA	2,047,344	1298	142	437
*AC5K	"	951,808	836	120	296
*N5DO	"	835,812	696	112	324
*K5IID	"	780,566	658	114	329
*N1CC/5	"	698,320	677	115	291
*KK7JS/5	"	386,539	449	96	241
*WD5IYT	"	363,510	414	93	222
*WM5H	"	106,722	238	58	140
*K5ND	"	94,860	204	60	126
*KQ5M	"	28,250	106	47	66
*NC5O	"	13,377	84	33	58
*W4JHC/5	"	8,625	68	28	41
*N5EYT	"	5,135	39	30	35
*KE5FXE	28A	41,952	188	26	70
*WS5H	"	7,138	71	17	26
*W5ZO	21A	230,206	569	33	125

United States - District 6

W6YI	A	5,609,560	3495	165	440
					(OP:N6MJ)
K6XX	"	4,382,315	2724	163	414
K7GK/6	"	4,049,720	2679	157	391
W6PH	"	2,630,595	1792	147	388
N6AA	"	1,485,350	1165	142	345
W6TMD	"	849,273	789	118	275
K6NR	"	832,832	859	121	231
K6LRN	"	765,799	693	128	293
K6YK	"	408,141	501	107	196
N6GP	"	311,741	447	95	162
WA6URY	"	301,788	472	93	156
WC6H	"	299,376	392	102	222
AJ6V	"	260,355	378	91	164
W5DQ/6	"	153,900	267	89	136
W5OM/6	"	134,575	337	70	105
N6MI	"	128,439	271	83	118
WO6M	"	117,810	279	60	110
W6RFF	"	113,163	239	80	121
WW6D	"	73,692	198	54	84
K6ZB	"	71,036	193	64	108
K6XN	"	68,202	179	59	103
W6KNB	"	56,576	179	52	76
K6DGW	"	52,026	156	56	82
K6OGO	"	46,846	155	54	64
W6AYC	"	38,129	159	41	50
K6QU	"	18,032	75	37	55
W6DAS	"	8,378	109	48	70
KG6AO	"	162	16	9	9
NU6S	28	88,072	320	28	73
W7DR/6	"	67,332	355	28	65
N5ZO/6	21	379,951	1054	33	110
WØYK/6	"	301,098	882	32	102
W6UM	"	156,455	386	33	112
W6DCC	14	51,574	218	31	76
K6NA	7	529,247	1249	37	120
*N6RV	A	1,098,480	957	135	325
*WN6K	"	642,786	877	95	203
*N6MU	"	330,400	445	91	189
*WB8YQJ/6	"	184,086	380	65	124
*KA9A/6	"	96,448	254	69	107
*KQ6X	"	77,430	194	71	103
*AC6SL	"	69,058	193	57	89
*AA6EE	"	46,774	241	74	108
*K6RQT	"	44,599	158	45	58
*N6BHX	"	40,406	172	42	47
*W6LEN	"	39,000	144	62	68
*N6NPG	"	27,500	126	47	53
*KK6TV	"	22,506	141	40	53
*N6CHU	"	21,750	105	36	51
*K6KQV	"	19,314	118	35	39
*K6CSL	"	16,598	95	38	48
*WT6K	"	15,054	96	32	46
*KJ6YQV	"	6,003	77	31	38
*W6CDA	"	2,250	36	25	25
*ND6S	"	290	27	14	15
*WB6HVH	"	165	10	7	8
*AF6GQ	"	130	5	5	5
*KI6LZ	28	53,641	230	26	71
*W7XZ/6	"	36,936	183	24	48
*K6CU	"	13,601	88	22	45
*W6ZL	21	135,128	383	32	95
*KM6Z	"	93,520	317	30	82
*W6ONV	"	12,450	96	19	31
*KU6T	7	5,808	59	17	27
*KD6WKY	"	8	2	2	2
N6JV	AA	1,591,843	1136	137	380
AA6PW	"	1,568,254	1240	127	364
AD6E	"	1,520,029	1256	133	336
N6XI	"	1,416,312	1057	137	361
N6QQ	"	1,341,025	950	132	421
W4EF/6	"	1,284,720	870	160	370
W6OAT	"	1,158,750	824	131	384
N6ML	"	1,096,264	609	169	495
K6RIM	"	903,375	703	127	368
W1SRD/6	"	880,680	775	117	293
WA5VGI/6	"	836,234	841	117	254
N6IE	"	819,546	849	119	280
K6TA	"	628,419	570	124	287
N6WIN	"	616,280	620	104	251
K2RD/6	"	598,654	527	138	289
N6NC	"	597,773	652	102	239
W6SX	"	512,940	643	108	201
KA3DRR/6	"	374,148	614	68	160
K6SRZ	"	286,440	355	107	203
W8KA/6	"	275,832	480	73	143
W6XD	"	263,736	400	91	173
K6RB	"	253,872	412	92	154
WX6V	"	215,096	237	121	213
K6RR	"	185,500	316	95	170
W6DR	"	183,732	292	89	155
AC6T	"	174,906	272	96	150
K6GFJ	"	167,610	345	63	122
AA6JJ	"	157,383	231	86	175
N6DW	"	153,916	305	91	148
N6HE	"	135,408	288	71	115
N6YEU	"	134,640	246	67	131
K6OQ	"	130,500	221	76	174
KF6I	"	110,028	263	63	110
W1RH/6	"	105,612	247	52	104
N6ER	"	91,698	206	54	120
NK6A	"	80,534	225	49	85
N6RK	"	80,304	169	55	113
W6KC	"	72,384	163	48	108
W6GJB	"	66,732	148	67	99
K6NV	"	64,206	187	66	108
K9JM/6	"	63,011	172	40	91
N6IC	"	57,951	163	51	90
K6JEB	"	53,720	168	60	76
W6SZN	"	40,144	159	39	65
NE6I	"	40,020	139	49	67
WB6JJJ	"	36,855	112	47	70
NW6P	"	28,914	109	45	77
KK6ZM	"	28,072	97	54	67
AI6Z	"	18,142	68	41	53
W6SFK	"	14,220	75	35	44
AI6II	"	11,016	68	37	44
WB9JPS/6	"	8,890	50	24	46
N6ND	28A	114,681	330	31	98
NG6S	21A	77,715	313	28	71
					(OP:W4UAT)
K6WG	14A	205,062	548	35	108
WA6KHK	"	83,657	245	33	100
NT6X	7A	111,105	309	33	102
*K5OA/6	AA	243,294	413	88	158
*K6AAB	"	231,849	328	100	179
*N6VH	"	195,696	336	81	135
*N6NG	"	113,300	235	78	142
*K6OK	"	86,070	212	59	92
*W6IYS	"	79,800	233	49	84
*WQ6X	"	73,755	204	73	92
*AA6K	"	53,580	129	78	110
*KZ2V/6	"	31,008	101	43	71
*N6BM	"	30,470	127	45	65
*K6LE	"	15,408	82	33	39
*N6DZR	"	10,950	56	30	45
*K6TIG	"	9,450	78	18	27
*K6ST	"	4,080	48	23	25
*NC6Q	"	3,285	45	38	35
*NA6G	"	1,584	36	16	17
*W6TK	28A	65,511	277	26	61
*N6WM	21A	22,695	111	27	58
*K5CAO/6	7A	14,200	89	22	49

United States - District 7

K7RL	A	4,091,612	2878	149	383
N9RV/7	"	3,850,137	2570	149	400
K7KU	"	1,644,275	1346	131	314
					(OP:KØKR)
K7QQ	"	1,569,308	1433	130	282
KG7H	"	1,553,040	1092	147	393
W6AEA/7	"	957,480	1107	98	218
W7PU	"	479,895	578	105	194
					(OP:N7EPD)
K7LFY	"	477,477	539	117	254
K7XZ	"	440,832	496	104	224
					(OP:K8BN)
K7CF	"	413,655	626	112	215
KE2VB/7	"	362,304	514	95	177
W7FI	"	349,056	513	105	183
KS7T	"	343,089	444	91	200
WX7G	"	288,496	454	98	194
N7YQ	"	187,726	297	97	156
W6KGP/7	"	161,568	291	75	141
KD7H	"	160,555	299	87	110
W7IIT	"	132,012	345	88	140
W7VXS	"	121,638	286	66	128
NE7D	"	113,827	262	61	100
WC7Q	"	110,864	248	82	126
WF4U/7	"	91,798	215	60	106
W7ON	"	88,218	220	67	102
W7UG	"	84,846	387	57	101
KN7T	"	81,926	252	50	87
N5LZ/7	"	77,182	207	53	96
KB7N	"	75,600	182	77	98
W7GTF	"	61,904	206	53	93
N7RK	"	36,096	108	49	79
K7DD	"	22,347	94	43	74
KX7YT	"	18,960	96	36	43
K7SFN	"	16,480	77	24	56
N7JB	"	9,956	49	31	45
KI7DG	"	286	20	14	12
W7AT	28	130,200	516	28	72
					(OP:W7EW)
W7WR	"	11,908	92	20	32
WA7LT	21	189,120	684	30	90
K7ZA	"	164,090	493	30	92
NX1P/7	"	98,875	384	31	82
WF6B/7	"	144	22	9	9
W7WA	14	817,252	1710	37	136
N5CR/7	"	452,421	1101	36	117
N7WA	"	309,888	967	33	95
N6MA/7	7	165,804	516	32	91
K9WZB/7	"	99,220	306	33	88
N7GP	1.8	17,600	283	16	34
					(OP:N5IA)
W7EW	"	2,997	39	13	24
W7VS	"	48	3	3	3
*N7ZG	A	1,523,928	1459	120	256
*W7YAQ	"	1,387,950	1059	141	334
*K7BG	"	1,382,156	1143	137	329
*WW7D	"	393,648	536	102	176
*K7ACZ	"	343,023	404	107	220
*NØEF/7	"	208,445	362	77	158
*W7CCE	"	126,266	294	63	140
*W7ZI	"	125,490	232	82	153
*N7LOX	"	116,470	249	74	116
*NS7K	"	114,369	221	74	127
*AB7RW	"	112,233	229	67	112
*WAØWWW/7	"	96,195	235	62	97
*AA4Q/7	"	95,776	223	66	98
*N7VS	"	86,724	261	63	83
*W7QN	"	64,014	177	57	84
*W7GF	"	60,288	190	60	97
*N7WO	"	38,592	135	60	84
*W7PV	"	36,576	131	63	81
*K7OVM	"	35,805	140	37	56
*KX6X/7	"	34,749	111	52	65
*K7MY	"	33,700	121	38	62
*AK7O	"	22,748	113	47	74
*WA7UR	"	15,566	88	36	50
*WA7PRC	"	13,578	73	30	43
*WØYHE/7	"	13,317	86	27	42
*W9CF/7	"	11,937	69	31	38
*AE6RG/7	"	10,164	63	35	42
*K7ARJ	"	8,241	55	29	38
*KD7EHB	"	7,571	55	27	40
*K7TR	"	7,440	57	25	35
*KF7ORO	"	5,415	41	25	32
*W7GH	"	3,440	30	16	27
*K7QBO	"	2,695	35	17	18
*K6VRS/7	"	1,600	27	23	27
*KR7RL	"	1,476	63	19	17
*KV4K/7	"	1,032	15	12	12
*AA7DJ	28	62,403	266	29	64
*AE7AE	"	55,332	240	28	59
*N7OU	"	3,564	49	13	14
*KI7N	"	1,150	19	11	12
*WØPAN/7	"	204	24	8	9
*K7ULS	21	21,744	108	22	50
*WB7FJG	7	5,376	57	18	24
*W7RH	1.8	2,125	49	9	8
KO7AA	AA	4,153,500	2372	153	486
K6LL/7	"	2,400,252	1556	138	418
K7UA	"	2,364,615	1524	151	410
N7XU	"	2,074,968	1408	143	409
K7WP	"	1,775,239	1201	144	427
K7AR	"	1,214,276	943	135	341
NQ7R	"	1,000,224	828	131	322
K7RF	"	967,284	900	114	274
WA7LNW	"	783,118	704	124	303
W7SW	"	763,800	723	106	274
KI7Y	"	702,086	776	105	224
KO7X	"	697,740	612	126	309
K7ABV	"	681,152	686	105	262
K7XC	"	659,208	548	134	320
WS7L	"	632,434	646	118	256
K7KB	"	580,015	610	101	272
K7EG	"	567,003	639	91	240
K7BTW	"	524,576	551	96	242
K7JQ	"	499,097	552	104	233
NI7R	"	497,536	538	96	242
N9NA/7	"	496,463	552	103	270
W7PP	"	464,130	466	117	265
N9ADG/7	"	207,110	261	97	201
WX7P	"	179,920	335	71	137
K7VIT	"	169,946	312	79	120
N7TR	"	163,845	368	56	109
K7HP	"	160,303	291	81	128
W6SDM/7	"	145,905	398	79	134
NK9I/7	"	121,142	214	71	167
K7UT	"	110,720	252	50	123
K7LV	"	101,688	205	80	143
K7JE	"	96,976	200	56	120
W6SA/7	"	96,307	178	77	116
N6TW/7	"	71,012	198	72	92
W4LSC/7	"	54,780	120	63	103
K9DR/7	"	52,350	134	56	94
K6KR/7	"	29,274	117	37	65
N7QS	"	24,920	105	38	51
N7RVD	"	14,280	66	39	45
W7GT	"	10,676	61	31	37
K7FL	"	9,559	51	34	45
N6VR/7	"	4,232	40	19	27
AD7KG	"	2,730	26	19	20
K7MZ	"	2,418	25	19	20
W8AEF/7	"	936	13	11	13
K7AWB	"	192	8	8	8
K7OX	28A	103,270	400	29	86
N7DD	21A	572,448	1177	36	142
NC7J	"	397,280	885	35	125
					(OP:W7CT)
W7ZR	"	357,238	867	34	124
AB7R	"	205,335	574	32	103
W7VV	"	37,312	167	28	60
K7PI	14A	115,598	280	39	122
N6SS/7	7A	568,824	1199	38	135
K7NJ	"	354,560	830	38	122
W7RN	"	334,695	750	38	121
K7FA	"	4,740	46	19	41
W6RLL/7	3.5A	6,063	119	18	25
W6XI/7	1.8A	1,971	31	10	17
*NC7M	AA	962,615	964	117	278
*K6WSC/7	"	538,219	466	123	310
*AF7S	"	262,295	416	94	157
*K6UM/7	"	190,960	311	81	139
*NW7E	"	87,669	200	48	105
*KX7L	"	73,002	192	65	73
*AK7AT	"	68,926	194	60	83
*KA7CVJ	"	67,734	153	60	99
*N7VEA	"	53,406	144	58	80
*K7HV	"	52,096	125	57	119
*AE7U	"	33,598	122	46	61
*K7TQ	"	31,020	113	44	66
*KS5A/7	"	30,602	101	46	61
*WS7V	"	25,944	110	37	57
*W7ZRC	"	19,608	82	30	56
*K7CU	"	18,612	73	45	49
*K7GS	28A	28,480	138	25	55
*NG7Z	"	15,174	102	22	32
*KE7X	21A	292,800	690	32	118
*W7/DL1UF	"	104,148	300	32	100
*K7SS	14A	201,280	462	35	125
*K2PO/7	3.5A	37,056	226	19	45

United States - District 8

K8GL	A	4,139,386	2304	156	478
N8II	"	3,166,532	2181	129	395
K1LT/8	"	3,166,266	1836	155	478
N8BJQ	"	2,730,200	1666	138	446
N8AA	"	1,670,850	1276	111	359
K8MP	"	1,034,076	923	110	301
NF8R	"	766,663	748	87	280
K3JT/8	"	604,090	602	104	282
K8FL	"	446,420	432	113	291
WB8WKQ	"	266,510	377	90	200
WA8RCN	"	201,300	380	86	189
K8ROX	"	173,990	296	79	175
W8PN	"	166,816	321	65	143
WA8CDU	"	152,320	243	77	161
W8HMK	"	102,384	239	72	144
NT8Z	"	68,904	186	58	116
K8MJZ	"	26,400	105	40	60
K8GVK	"	25,359	91	35	72
K8CMO	"	3,612	97	37	49
K8ALM	"	2,808	26	16	23
K8LO	"	450	12	6	12
K8YTO	"	24	4	4	4
NF8J	28	80,528	275	22	90
N8AGU	3.5	30,150	153	17	58
K3XO/8	1.8	1,377	24	9	18
*NA8V	A	2,119,942	1396	138	419
*WB8JUI	"	1,161,957	897	107	364
*KV8Q	"	1,156,050	951	114	336
*WB8TLI	"	900,694	747	116	333
*N8DE	"	569,184	569	91	272
*N8VV	"	483,644	561	99	223
*W8KX	"	478,816	474	112	304
*W8KTQ	"	460,122	782	93	254
*KG8P	"	334,776	394	88	224
*W8IDM	"	296,664	412	71	192
*KE8G	"	125,304	294	47	137
*W8TM	"	103,040	206	56	128
*NF8M	"	100,200	207	70	130
*KB8TYJ	"	88,044	207	60	114
*K8LY	"	84,360	173	45	140
*W8DHG	"	59,657	204	64	105
*WD8BAH	"	54,149	226	60	113
*WBØKWJ/8	"	37,410	124	40	89
*WA8UMT	"	33,335	115	37	76
*K8GGL	"	29,539	104	41	68
*W8NNC	"	25,404	141	41	75
*KB8O	"	23,634	93	42	59
*AC8AP	"	7,275	78	34	41
*WT8E	"	5,472	48	34	42
*K9HXO/8	"	5,152	71	39	53
*KB3CXQ/8	"	2,520	31	12	28
*N8SBE	"	2,310	38	14	16
*W8WTS	"	2,064	28	20	23
*N8OB	"	140	16	6	8
*AA8P	28	2,958	35	11	23
*K8AJS	21	54,027	225	20	67
*AI9I/8	"	4,085	46	14	29
*W8IQ	14	76,608	248	28	86
*W8GOC	"	18,954	93	24	57
*K8FZY	"	957	23	13	16
*AF8C	7	8,085	65	14	35
*W9CPI/8	"	2,378	32	8	21
*K8GU	3.5	41,664	171	22	71
*W1NN/8	"	19,698	111	16	51
*KC8IMB	1.8	16	3	2	2
W8MJ	AA	3,866,388	2128	163	545
N8TR	"	2,229,550	1128	171	560
K8CX	"	1,221,972	991	118	356
K8MM	"	1,213,212	951	120	342
AD8P	"	1,179,801	821	133	416
K8YM	"	1,157,712	793	128	414
KE8M	"	1,081,000	832	113	347
K8JQ	"	649,124	627	101	287
N8EA	"	581,808	538	122	286
N9AUG/8	"	568,514	590	103	288
K8MEG	"	375,505	517	72	193
KK8D	"	301,104	405	66	206
K8PP	"	247,107	334	75	212
N8HP	"	204,876	291	86	185
W8FAX	"	188,352	318	53	163
W8ZA	"	111,946	260	71	152
N8LJ	"	85,320	247	42	116
N8CAK	"	63,412	148	56	110
AC8E	"	56,446	168	56	111
W8EH	"	39,621	110	57	84
K8ESQ	"	35,640	105	36	84
W8GG	"	27,956	97	34	82

WD8KNC	"	19,435	105	41	74
W8TE	"	17,114	69	32	54
K8WW	**28A**	**127,788**	**392**	**29**	**109**
W8CZN	**14A**	**123,272**	**343**	**34**	**118**
WA3C/8	**7A**	**169,850**	**461**	**37**	**121**
KO8Z	"	39,071	168	22	67
KU1T/8	*3.5A*	*5,880*	*74*	*18*	*42*
W8UVZ	**1.8A**	**25,149**	**206**	**22**	**61**
***K8GT**	**AA**	**610,722**	**563**	**103**	**290**
*K8BL	"	108,953	200	71	150
**W8DW*	"	*92,870*	*217*	*62*	*123*
*NS8Q	"	62,168	152	53	99
*NW8F	"	38,989	149	35	92
***KG9Z/8**	**7A**	**29,040**	**127**	**22**	**66**
***N8MZ**	**3.5A**	**43,656**	**169**	**23**	**79**

United States - District 9

W9RE	**A**	**5,788,320**	**3414**	**157**	**463**
N9CK	"	3,314,855	2095	138	427
K9MA	"	2,376,802	1633	141	380
KJ9C	"	1,444,030	1070	116	374
W9OP	"	1,433,244	1089	123	375
K1TN/9	"	1,025,550	885	109	321
KY9KYO	"	346,656	468	95	219
N9ZI	"	326,608	455	78	196
W3HDH/9	"	313,168	405	85	211
W9MS	"	234,684	379	73	173
KG9N	"	200,186	455	43	115
K9FO	"	96,960	212	79	123
K9JU	"	76,806	198	52	101
W9GT	"	44,890	148	47	87
K9AU	"	*15,477*	*89*	*34*	*43*
WB9VGO	"	*10,672*	*72*	*27*	*31*
N9GH	"	88	4	4	4
WR9D	**28**	**93,780**	**377**	**25**	**65**
					(OP:KB9UWU)
K9NW	**21**	**715,595**	**1502**	**36**	**131**
W9VA	"	42,001	157	27	70
K9OT	"	41,612	185	29	74
W9LX	**14**	**97,784**	**299**	**35**	**101**
WB9AYW	"	6	1	1	1
K9CJ	**7**	**129,980**	**375**	**33**	**101**
***N4TZ/9**	**A**	**2,890,209**	**1733**	**150**	**451**
*K9QVB	"	969,472	806	125	323
*KD9MS	"	212,624	308	93	181
*KU8T/9	"	173,475	328	70	155
*K9KM	"	169,949	287	65	156
*K9XE	"	135,420	257	59	126
*K9JE	"	130,272	272	51	133
*WB9HFK	"	124,047	256	57	122
*KØPJ/9	"	72,900	216	43	119
*WR9Y	"	69,678	182	60	98
**N9SB*	"	*58,919*	*157*	*42*	*91*
*WD8AHR/9	"	51,152	153	50	89
*NV9X	"	47,955	134	49	90
*N9LYE	"	30,780	110	41	67
*WA9S	"	28,920	121	34	86
*WB8BZK/9	"	23,520	100	42	63
*W9FZ	"	20,295	107	44	55
*WU9D	"	18,612	80	43	56
*KA9JAC	"	11,778	55	29	49
*ND9Z	"	10,008	68	29	43
*AC9DE	"	9,198	68	28	35
*AB9YC	"	7,308	84	34	50
*K9PMV	"	4,290	42	23	32
*WBØPTO/9	"	3,105	28	21	24
*KB9YGD	"	2,584	28	17	21
*N9SDT	"	1,508	44	25	27
***K9WA**	**28**	**100,108**	**317**	**28**	**88**
***WO9S**	**21**	**80,142**	**266**	**25**	**86**
*WD9CIR	"	31,040	164	27	70
**N9GBB*	*14*	*11,524*	*75*	*18*	*49*
***W9TC**	**"**	**2,072**	**24**	**16**	**21**
***K9UIY**	**7**	**77,350**	**296**	**27**	**92**
*KE9EX	"	6,804	58	14	40
**AA9IV*	*3.5*	*294*	*20*	*6*	*8*
***WD8DSB/9**	**1.8**	**3,131**	**46**	**9**	**22**
KE9I	**AA**	**3,178,935**	**1888**	**144**	**471**
K9IMM	"	2,827,020	1635	148	487
K9QC	"	2,203,130	1538	134	401
W9MU	"	2,025,012	1178	155	483
AA9A	"	2,003,399	1277	153	464
N2BJ/9	"	1,257,876	975	131	382
NS9I	"	1,031,940	896	110	331
WX9U	"	929,110	732	127	328
WW9R	"	733,821	724	107	300
KB9ILT	"	662,094	612	103	299
KC9QQ	"	553,812	604	88	259
N7MB/9	"	549,549	605	113	314
KB9S	"	474,480	520	93	267
W9AV	"	443,916	491	100	254
K9MMS	"	387,390	397	115	255
N9OK	"	*363,693*	*458*	*91*	*218*
WI9WI	"	205,250	303	75	175
WM9Q	"	178,120	292	78	166
K9DJ	"	167,968	273	72	160
KØTQ/9	"	151,863	283	63	164
WN9O	"	147,936	200	83	193
K9OZ	"	139,098	281	52	142
AB4KJ/9	"	132,800	293	62	138
KB9NW	"	114,654	220	58	136
W9RN	"	106,296	207	80	126
KX9DX	"	64,526	186	48	106
K9EN	"	*63,140*	*204*	*51*	*113*
N9AKR	"	62,264	134	55	117
WB9DLC	"	43,188	148	38	80
W9OL	"	18,564	97	28	63
KA9FOX	"	11,297	54	30	49
KM9M	"	10,833	56	24	45
N9LB	"	6,700	38	31	36
WB9Z	**28A**	**256,950**	**672**	**32**	**118**
WA9MAG	"	91,105	257	28	105
W9IIX	"	21,168	122	20	52
K9GS	**7A**	**279,774**	**672**	**34**	**123**
N9AU	"	101,781	295	30	99
N9MW	**3.5A**	**2,805**	**54**	**17**	**38**
***W9XT**	**AA**	**1,753,563**	**1172**	**136**	**417**
*K9OM	"	810,474	629	116	367
*K9OR	"	720,072	593	116	322
*N9UA	"	608,757	568	104	289
*W9CA	"	588,596	588	93	295
					(OP:KK9DX)
*W9IU	"	290,832	322	97	235
*W9OA	"	280,644	415	85	188
**K9NR*	"	*236,232*	*509*	*54*	*139*
*KA9O	"	223,964	307	83	209
*N9TF	"	212,454	325	80	181
*KØCD/9	"	187,347	257	86	231
*N9XO	"	129,234	225	77	161
*W9VQ	"	95,568	215	50	126
*WA9LEY	"	61,904	152	46	100
*K9GR	"	49,476	152	42	91
*NF9D	"	48,222	131	59	112

*K9CW	"	46,843	120	51	88
*N9LAH	"	29,601	95	59	84
*N9GUN	"	26,781	119	38	75
*K9IJ	"	15,957	72	32	49
**KB9O*	"	*15,820*	*94*	*44*	*69*
*KC9RNK	"	11,259	52	35	46
*WQ9T	"	11,008	60	24	40
*W9AKS	"	7,332	71	15	32
*WB8RFB/9	"	5,917	45	26	35
**N9BT*	"	*4,814*	*41*	*28*	*30*
***K9LA**	**28A**	**123,660**	**325**	**30**	**105**
***N9XR**	**21A**	**19,656**	**111**	**19**	**53**
***W9ILY**	**14A**	**211,885**	**497**	**35**	**120**
*N9XX	"	162,676	442	30	104
***N9CO**	**1.8A**	**6,116**	**64**	**12**	**32**

United States - District Ø

KØEU	**A**	**3,764,218**	**2490**	**148**	**415**
K6XT/Ø	"	1,916,706	1392	145	369
KØFX	"	1,581,944	1198	138	395
WØOR	"	1,211,427	1063	123	318
NEØU	"	965,600	909	115	310
K9DU/Ø	"	868,725	751	118	311
KØDEQ	"	795,340	891	82	240
KØIO	"	684,432	712	113	275
KØAP	"	679,680	637	105	279
KØZX	"	240,748	363	95	183
N5TU/Ø	"	235,944	379	81	180
W8MHW/Ø	"	229,350	306	90	188
NØUY	"	220,394	389	83	180
WØZQ	"	207,394	335	82	160
KØWA	"	200,382	277	72	201
KCØVKN	"	154,000	269	73	147
KØALT	"	148,538	277	67	130
WBØLCW	"	148,200	267	80	148
KØKPH	"	58,140	232	67	113
WØZA	"	49,726	212	43	51
NAØBR	"	33,354	117	43	59
WØTY	"	26,076	114	50	73
WØEB	"	21,470	85	40	55
WØBH	"	*9,313*	*53*	*26*	*41*
KBØL	"	*1,200*	*19*	*14*	*16*
N7DR/Ø	**21**	**326,395**	**794**	**33**	**112**
NØTT	**1.8**	**4,848**	**57**	**14**	**34**
***NØAX**	**A**	**1,212,630**	**934**	**134**	**364**
*NAØN	"	1,000,818	853	116	307
**KØBLT*	"	*432,290*	*520*	*89*	*222*
*NGØT	"	389,865	436	103	226
*KIØI	"	387,600	461	102	221
*NR9A/Ø	"	347,072	503	101	218
*W9LHG/Ø	"	247,808	398	71	171
*NN7A/Ø	"	232,200	339	86	172
*KNØV	"	164,736	297	58	140
*WØPI	"	109,848	220	60	124
*NØGOS	"	100,776	246	53	103
**WBØPYF*	"	*99,381*	*200*	*77*	*134*
*NØTK	"	97,053	229	66	107
*N7WY/Ø	"	61,124	256	49	99
*KSØM	"	53,580	243	61	127
*WØGAF	"	45,402	150	51	90
*ADØH	"	42,462	130	56	70
*NØNC	"	36,576	131	50	77
*AAØFO	"	30,401	107	33	68
*W6GMT/Ø	"	27,510	115	40	65
*KR7C/Ø	"	24,675	99	41	64
*KØTC	"	16,590	110	44	61
*WAØLJM	"	10,595	60	28	37
**KCØSTQ*	"	*7,424*	*51*	*21*	*37*
*W7THY/Ø	"	5,248	71	12	29
*WØGLB	"	5,202	72	23	28
*KBØJSH	"	4,230	39	20	25
*NØIBT	"	575	19	12	13
***WNØL**	**28**	**8,978**	**69**	**23**	**44**
*WØGXA	"	3,403	38	13	28
*N9HDE/Ø	"	756	15	9	12
***KJØP**	**21**	**12**	**2**	**2**	**1**
KØKX	**AA**	**3,199,568**	**1754**	**162**	**481**
AE5E/Ø	"	2,050,898	1289	140	449
NØHR	"	1,879,190	1233	139	426
KØRC	"	1,350,524	897	133	423
KTØA	"	1,241,443	1045	125	344
KEØUI	"	1,152,701	977	125	348
KØIR	"	1,151,400	892	117	358
WØRX	"	1,114,008	775	146	386
KIØF	"	1,107,567	928	110	349
KMØO	"	942,656	831	106	310
WØTT	"	667,584	589	123	333
KØOB	"	641,183	555	113	308
WØGM	"	*587,400*	*594*	*86*	*270*
KØCN	"	534,336	545	109	254
KØPC	"	520,650	561	80	245
NØBK	"	466,095	501	111	234
KØPY	"	462,267	518	106	245
AAØAW	"	433,344	577	87	209
KØJPL	"	419,316	454	105	227
KØMD	"	378,240	485	81	239
WBØN	"	371,711	419	97	240
KGØUS	"	354,430	395	106	229
K3WT/Ø	"	309,572	298	119	282
NØTA	"	296,608	413	94	205
KDØS	"	274,872	361	88	224
KSØT	"	263,190	317	92	218
KV1E/Ø	"	252,540	324	95	210
KØTG	"	239,525	339	85	190
KEØL	"	236,930	302	96	194
KØYR	"	199,332	352	71	155
WØHBH	"	158,536	237	82	184
KØUK	"	100,182	210	67	110
WØERP	"	93,806	186	49	129
K4IU/Ø	"	86,190	185	74	95
WØGG	"	81,458	174	67	102
K8OM/Ø	"	75,999	198	40	107
NØAT	"	66,120	133	67	123
KØBX	"	61,776	188	34	98
KQØC	"	37,248	105	48	80
NØRN	"	26,462	98	43	58
KØTZ	"	24,864	102	39	72
NOØL	"	*22,473*	*96*	*32*	*67*
NØIM	"	12,749	84	25	36
K2HT/Ø	"	11,480	66	34	48
KCØV	"	5,885	44	17	38
WØSHL	"	4,088	35	22	34
WB8ZRL/Ø	"	1,269	18	12	15
KØFYI	"	1,040	14	12	14
KBØEO	**28A**	**235,867**	**581**	**31**	**118**
NYØV	"	43,442	167	27	80
KØDU	**21A**	**563,376**	**1169**	**36**	**140**
					(OP:KØCL)
KØKT	**3.5A**	**63,168**	**272**	**23**	**73**
***AD1C/Ø**	**AA**	**1,229,904**	**1026**	**114**	**324**
*WØAD	"	609,811	636	108	271
*NØHJZ	"	584,220	501	114	314
*KØMPH	"	490,644	536	98	256
*WDØECO	"	432,563	516	83	224
*KØVBU	"	367,080	422	103	219
*WØVDX	"	285,186	357	98	200
					(OP:KØPK)
*KCØDEB	"	225,320	321	86	176
*ACØW	"	210,728	301	99	185
*KØFTC	"	124,380	283	63	117
*WØRAA	"	73,602	170	62	112
*K5ZG/Ø	"	58,320	166	47	88
**KFØUR*	"	*51,830*	*141*	*47*	*95*
*NØUJT	"	47,428	142	55	87
*KA8HDE/Ø	"	45,261	159	52	89
*WBØSOK	"	22,041	89	31	62
*NIØR	"	15,600	79	33	47
*WØGN	"	15,400	88	23	47
*WGØM	"	12,298	71	39	47
*KØAE	"	7,620	59	26	34
*KDØCVO	"	5,427	48	26	41
*NXØI	"	4,692	40	18	33
*KNØR	"	3,888	30	21	27
***KFØIQ**	**21A**	**10,985**	**63**	**19**	**46**

Alaska

AL1G	**A**	**212,056**	**987**	**48**	**56**
NL7V	"	116,842	275	75	151
***KL8DX**	**A**	**797,062**	**1862**	**69**	**128**
NL7G	**AA**	**2,827,975**	**2606**	**130**	**315**
KL2R	"	1,370,365	1899	100	205
					(OP:N1TX)
KL7SB	"	*740,601*	*1554*	*78*	*135*
WL7E	"	38,739	141	46	65
AL9A	**21A**	**59,995**	**419**	**23**	**42**
***AL7L**	**AA**	**1,802**	**20**	**16**	**18**
***WL7BDO**	**21A**	**3,612**	**74**	**10**	**11**

Antigua & Barbuda

***V26K**	**A**	**8,447,562**	**6268**	**132**	**426**
					(OP:AA3B)

Bahamas

C6AKQ	**7**	**1,032,300**	**2952**	**34**	**114**
					(OP:N4BP)
***C6AQQ**	**A**	**3,316,265**	**3560**	**108**	**307**
*C6ARU	"	37,485	383	18	31
***C6AUM**	**14**	**724,599**	**2260**	**35**	**106**
					(OP:K4RUM)

Barbados

8P5A	**A**	**11,561,060**	**7230**	**160**	**498**
					(OP:W2SC)
***8P9DF**	**A**	**1,782,882**	**2464**	**99**	**234**
					(OP:WJ2O)
***8P6SH**	**AA**	**64,566**	**175**	**52**	**101**

Belize

**V31JP*	*AA*	*189,350*	*515*	*66*	*109*

Bermuda

***WB4DNL/VP9**	**21**	**23,670**	**113**	**26**	**64**

Canada - District 1

VY2TT	**A**	**10,365,486**	**6265**	**145**	**524**
					(OP:K6LA)
VA1GE	"	33,450	156	55	95
VE9AA	**28**	**432,509**	**1296**	**27**	**110**
VY2SS	**7**	**33,180**	**308**	**16**	**44**
VE1ZJ	*1.8*	*56,770*	*369*	*14*	*56*
**VO2TM*	*A*	*1,336,440*	*1963*	*68*	*233*
					(OP:K3TM)
***VE1RSM**	**"**	**285,864**	**459**	**71**	**187**
*VY2LI	"	97,070	235	53	117
*VE9OA	"	74,124	240	49	125
*VE9BWK	"	352	21	12	10
***VE1AL**	**28**	**100,650**	**366**	**24**	**86**
***VO1TA**	**1.8**	**6,270**	**62**	**8**	**30**
VE1OP	**AA**	**3,324,265**	**2275**	**144**	**485**
VE9HF	"	2,476,584	2175	112	360
VD1M	"	2,243,920	1580	127	433
VE1JBC	"	925,502	1005	78	281
VO1HP	"	73,577	176	51	110
VE1DT	"	21,627	88	27	62
VE1JS	**1.8A**	**702**	**17**	**7**	**11**
***VE9ML**	**28A**	**21,330**	**116**	**20**	**59**
***VA1CHP**	**21A**	**115,642**	**345**	**27**	**107**
***VE1ZA**	**14A**	**454,724**	**1085**	**35**	**123**
***VE9BK**	**7A**	**201,416**	**602**	**30**	**106**
***VE1JF**	**1.8A**	**16**	**6**	**2**	**2**

Canada - District 2

VC2T	**A**	**5,770,534**	**4298**	**140**	**399**
					(OP:VE2TZT)
***VA2SG**	**A**	**1,214,637**	**1538**	**80**	**259**
*VE2AWR	"	786,840	940	83	249
*VA2EU	"	309,970	491	69	209
*VE2LX	"	165,500	555	61	189
*VE2QV	"	99,900	331	45	90
*VE2JR	"	6,696	81	28	44
VE2EKA	**AA**	**7,264,208**	**4913**	**141**	**491**
					(OP:VA2WDQ)
VA2AM	"	1,172,699	865	130	459
VE2EZD	"	926,088	979	93	283
VE2FK	"	806,673	1021	71	250
VE2FXL	"	122,240	259	68	123
***VE2EBK**	**AA**	**276,950**	**385**	**83**	**207**
*VE2BWL	"	271,432	468	69	190
*VE2AXO	"	85,778	268	45	109

Canada - District 3

XL3A	**A**	**7,892,633**	**5072**	**144**	**497**
					(OP:VE3AT)
VE3JM	"	7,265,271	4931	147	452
VA3AR	"	30,870	168	32	58
VA3EF	"	28,314	86	45	76
VE3AAQ	**21**	**557,066**	**1523**	**32**	**110**
VE3ZI	**1.8**	**107,100**	**625**	**19**	**66**
VE3PN	"	73,986	521	15	51
***VE3FH**	**A**	**587,664**	**713**	**92**	**244**
*VA3EC	"	367,920	741	67	152
*VE3OM	"	319,216	425	81	200
*VA3ATT	"	266,266	439	68	179
*VE3OTL	"	162,052	523	77	177
**VA3XOV*	"	*134,302*	*322*	*62*	*119*
*VA3FN	"	72,204	239	42	90
*VE3RCN	"	20,303	124	35	44
*VE3EP	"	5,720	56	19	33
*VE3IRR	"	1,240	30	11	9
***VE3FJ**	**28**	**19,832**	**110**	**19**	**48**
*VE3ZT	"	19,050	133	19	56
***VE3TG**	**21**	**148,180**	**428**	**25**	**99**
***VA3GUY**	**14**	**32,172**	**196**	**22**	**62**
VE3UTT	**AA**	**4,579,400**	**2592**	**158**	**542**
VE3MMQ	"	3,282,768	2183	131	465
VE3RZ	"	2,797,200	1900	138	454
VE3KI	"	2,280,465	1947	116	379
VE3XAT	"	1,255,905	1135	97	346
VA3DX	"	231,579	399	68	175
VA3MW	"	57,000	152	55	97
VE3CX	**7A**	**421,993**	**1261**	**33**	**110**
VA3KA	"	58,240	207	24	88
***VE3BR**	**AA**	**2,410,967**	**1766**	**138**	**421**
*VE3CV	"	569,235	541	105	306
*VE3CWU	"	252,878	470	67	160
*VE3TW	"	55,341	157	39	90
*VA3DDX	"	53,582	153	43	103
***VE3THX**	**21A**	**53,502**	**189**	**27**	**84**
***VE3IAE**	**14A**	**170,500**	**556**	**26**	**98**
***VE3AJ**	**7A**	**20**	**5**	**3**	**2**
***VE3MGY**	**1.8A**	**7,769**	**256**	**8**	**9**

Canada - District 4

***VE4YU**	**A**	**163,944**	**322**	**71**	**127**

Canada - District 5

VA5LF	**A**	**39,528**	**135**	**54**	**68**
***VE5ZX**	**A**	**1,345,960**	**1686**	**107**	**278**
***VE5GC**	**28**	**11,764**	**182**	**14**	**20**
**VE5AAD*	*14*	*15,594*	*101*	*22*	*47*
VE5UF	**28A**	**154,089**	**596**	**28**	**89**
***VE5SF**	**AA**	**200,744**	**519**	**58**	**126**
*VE5KS	"	64,090	184	61	109
*VE5UO	"	14,596	84	36	53

Canada - District 6

VE6SV	**A**	**2,383,880**	**2114**	**143**	**345**
					(OP:VE6RST)
***VE6EX**	**A**	**944,965**	**1901**	**89**	**156**
*VE6HPT	"	117,836	306	71	107
*VE6GJ	"	17,869	109	43	64
*VE6SQ	"	1,708	48	17	11
***VE6BMX**	**21**	**151,417**	**718**	**27**	**70**
VE6LB	**AA**	**298,368**	**458**	**95**	**193**
VE6WZ	**7A**	**176,592**	**436**	**36**	**120**
***VA6AM**	**AA**	**48,034**	**242**	**38**	**56**

Canada - District 7

VE7SV	**A**	**5,243,168**	**3578**	**164**	**459**
					(OP:VE7CC)
VA7ST	"	1,821,952	2346	104	248
VE7JKZ	"	712,950	1026	105	189
VA7OM	"	654,500	622	124	301
VE7SQ	"	98,200	229	75	125
VE7XF	**28**	**186,048**	**823**	**29**	**67**
VE7WO	**21**	**97,384**	**607**	**25**	**49**
***VE7BZR**	**A**	**233,810**	**502**	**77**	**129**
*VA7RN	"	77,440	269	57	71
**VA7ZT*	"	*57,970*	*136*	*58*	*112*
**VE7DZO*	"	*26,978*	*105*	*42*	*52*
*VA7VJ	"	16,008	86	41	46
*VE7BGP	"	13,432	96	35	38
*VA7HZ	"	324	10	6	6
***VE7CV**	**21**	**63,661**	**314**	**27**	**56**
***VA7ND**	**14**	**71,328**	**367**	**27**	**69**
					(OP:VE7ALN)
VA7KO	**AA**	**1,332,000**	**1352**	**133**	**311**
VE7VR	"	290,125	613	82	129
VE7AX	"	280,245	483	81	174
VE7TK	**3.5A**	**4,046**	**53**	**16**	**18**
***VE7CA**	**AA**	**233,280**	**644**	**61**	**99**
*VA7CRZ	"	152,418	366	74	117
*VA7DXC	"	77,762	259	55	63
*VE7IN	"	58,855	159	68	81

Canada - District 8

VY1EI	**28A**	**32,776**	**196**	**22**	**46**

Cayman Islands

***ZF2AH**	**A**	**167,131**	**964**	**38**	**59**

Costa Rica

TI5A	**A**	**6,255,456**	**4968**	**133**	**411**
					(OP:KØAV)
***TI2CLX**	**7**	**4,620**	**54**	**11**	**22**

Cuba

CO8ZZ	**28**	**198,685**	**1160**	**23**	**56**
**CO6RD*	*A*	*545,530*	*1729*	*56*	*114*
***CO2OQ**	**"**	**81,992**	**569**	**29**	**45**
*CO2GL	"	41,109	334	23	48
**CO6LP*	"	*18,144*	*177*	*25*	*31*
***CO6YAC**	**7**	**261,600**	**1208**	**23**	**77**
***CO3IT**	**3.5**	**68,859**	**567**	**15**	**48**
*CO6CAC	"	16,695	337	10	25

Dominica

***J75Z**	**A**	**2,249,100**	**3143**	**96**	**254**
					(OP:K7ZZ)

Dominican Republic

***HI8A**	**A**	**1,041,369**	**1370**	**102**	**255**
***HI7/R4WAA**	**28**	**97,208**	**724**	**13**	**45**

Grenada

***J35X**	**28**	**274,215**	**1252**	**25**	**76**

Guadeloupe

***FG8NY**	**A**	**304,220**	**721**	**59**	**146**
***FG1PP**	**AA**	**156,562**	**331**	**61**	**150**

Guatemala

***TG9IDX**	**A**	**2,953,512**	**3575**	**97**	**284**
					(OP:DL5RMH)

Honduras

***HQ2N**	**28**	**362,304**	**1603**	**22**	**80**
					(OP:JA6WFM)
***HQ9R**	**7**	**19,116**	**151**	**13**	**41**
					(OP:WQ7R)

Martinique

TO7A	**A**	**11,807,340**	**7165**	**165**	**540**
					(OP:UT5UGR)
FM5AN	"	7,442	47	23	38
***FM1HN**	**14**	**3,774**	**107**	**18**	**33**
FM5CD	**1.8A**	**88,776**	**503**	**18**	**63**
***FM5FJ**	**14A**	**38,360**	**121**	**33**	**104**

Mexico

XE1MM	**A**	**914,373**	**1443**	**84**	**199**
4A7L	**14**	**44,650**	**279**	**26**	**69**
**XE2MX*	*A*	*200,499*	*349*	*97*	*194*
***XE2AU**	**"**	**193,500**	**557**	**67**	**105**
*XE1/AAØAA	"	49,141	147	57	100
***XE2YWH**	**28**	**15,950**	**128**	**17**	**38**
**XE2S*	*21*	*293,632*	*1006*	*31*	*97*
***XE1ZTW**	**"**	**1,100**	**23**	**9**	**11**
***XE1AY**	**14**	**24**	**2**	**2**	**2**
XE1EE	**AA**	**117,249**	**257**	**66**	**121**
XE2X	**21A**	**533,510**	**1473**	**33**	**122**
***XE2FGC**	**AA**	**16,192**	**99**	**44**	**44**
*XE3N	"	4,320	37	20	34
***XE1CT**	**28A**	**68,255**	**456**	**23**	**50**

Montserrat

***VP2MMM**	**AA**	**5,836,768**	**4493**	**141**	**427**
					(OP:N3AD)

Nicaragua

***YN2CC**	**A**	**4,769,904**	**4275**	**129**	**387**
					(OP:AJ9C)

Panama

HP1WW	**28**	**715,668**	**2171**	**31**	**107**
					(OP:OHØXX)
**HP3FTD*	*A*	*5,548*	*80*	*36*	*37*
***HP1AVS**	**"**	**112**	**9**	**8**	**8**
***HP1RIS**	**28**	**11,592**	**186**	**16**	**20**
**HP1DCP*	*21*	*620*	*13*	*9*	*11*

Puerto Rico

KP4GC	**A**	**7,216**	**112**	**30**	**58**
KP4JRS	**21**	**308**	**11**	**5**	**6**
NP4Z	**AA**	**8,199,750**	**4888**	**163**	**562**
WP4X	"	37,908	146	33	75
NP3X	**14A**	**1,005,560**	**2396**	**39**	**145**
					(OP:WP3A)
***NP4G**	**AA**	**53,240**	**197**	**43**	**78**
***KP3W**	**28A**	**324,317**	**1370**	**25**	**82**

Sint Maarten

***PJ7/VA3RA**	**28**	**305,520**	**1164**	**24**	**90**
					(OP:VE3IKV)
***PJ7I**	**AA**	**106,536**	**598**	**22**	**70**

St. Martin

FS/K9EL	*A*	*501,462*	*974*	*65*	*169*
**FS/K9NB*	*AA*	*742,840*	*1202*	*71*	*209*

Turks & Caicos Islands

***VP5CW**	**A**	**5,057,425**	**5308**	**108**	**337**
					(OP:W5CW)

US Virgin Islands

NP2N	**A**	**5,380,602**	**3982**	**144**	**434**
					(OP:W2VJN)
***WP2XX**	**A**	**995,880**	**1803**	**72**	**186**
KP2MM	**AA**	**2,616,300**	**2549**	**132**	**343**
					(OP:N2TTA)
NP2L	**28A**	**36,199**	**330**	**16**	**37**
***KP2BH**	**7A**	**6,909**	**72**	**14**	**35**

AFRICA

African Italy

IH9R	**7**	**1,622,230**	**3676**	**32**	**123**
					(OP:IZ1GAR)

Angola

D3AA	**A**	**4,394,052**	**3402**	**115**	**343**

Ascension Island

ZD8W	**A**	**8,581,248**	**4947**	**141**	**483**
					(OP:W6NV)

Canary Islands

EF8M	**A**	**14,206,275**	**7980**	**149**	**464**
					(OP:UA5C)
EA8BMG	"	20,708	126	15	47
EA8CUU	**14**	**1,303,614**	**2832**	**35**	**127**
					(OP:OH6CS)
EF8S	**1.8**	**276,000**	**1093**	**18**	**74**
					(OP:OH2BYS)
***EF8X**	**A**	**5,185,804**	**4582**	**94**	**309**
					(OP:EA8AY)
*EA8AQV	"	52,029	158	45	78
**EA8CN*	*28*	*1,157,120*	*2451*	*34*	*126*
***EA8IN**	**"**	**96,516**	**298**	**32**	**94**
*EA8AVK	"	65,170	339	16	54
**EA8NQ*	"	*4,788*	*50*	*13*	*23*
***EE8L**	**28A**	**68,912**	**350**	**22**	**51**
					(OP:EC8AFM)
***EA8MT**	**21A**	**115,542**	**332**	**28**	**103**

Cape Verde

***D44AC**	**AA**	**990**	**25**	**17**	**16**

Gabon

TR8CA	*A*	*97,280*	*275*	*53*	*107*

Madagascar

**5R8IC*	*A*	*1,165,725*	*1456*	*82*	*215*
					(OP:F6ICX)

Madeira Islands

CR3E	**A**	**15,221,316**	**7275**	**170**	**556**
					(OP:CT1BOH)
**CT3AS*	*28*	*152,344*	*422*	*29*	*108*
***CT3BD**	**AA**	**61,776**	**209**	**52**	**92**

Mauritania

***5TØSP**	**A**	**432,540**	**942**	**45**	**135**
					(OP:SP6EQZ)

Mauritius

**3B8/SM6GOR*	*21*	*220*	*34*	*9*	*13*

Morocco

CN2R	**28**	**1,518,457**	**2926**	**37**	**142**
					(OP:W7EJ)
**CN8WW*	*A*	*3,149*	*58*	*21*	*26*
***5C5W**	**21**	**606,720**	**1659**	**31**	**97**
					(OP:CN8KD)

Namibia

*V51YJ	21	320,117	808	32	107

South Africa

ZS1EL	A	1,458,474	1968	72	186
ZS4TX	21	1,972,120	3583	39	149
*ZS2I	A	516,534	1009	53	144
*ZS2NF	"	285,752	535	63	121
*ZS1JY	"	125,048	285	59	95
*ZS6C	"	21,328	118	30	56
ZS1LS	AA	15,100	70	37	63
ZS6A	28A	4,727	61	12	17
*ZS6WN	AA	148,575	309	56	119

Tanzania

5H3EE	A	6,023,160	4096	132	375

Tunisia

*3V8BB	A	1,135,420	1517	66	220
					(OP:KF5EYY)

Uganda

*5X1NH	21	1,122,653	2519	37	124

Zambia

*9J3A	28	1,396,764	3025	33	129
					(OP:S53A)

ASIA

Afghanistan

*T6LG	AA	3,863,955	2946	126	393
					(OP:LZ1CNN)
*T6MO	"	1,210,548	1625	63	218
					(OP:K9GY)

Armenia

*EK6LP	28	102,443	636	15	52

Asiatic Russia - District 9

R9DX	A	7,319,020	4836	141	439
RC9O	"	5,840,614	4254	125	408
R8TR	"	2,692,480	2392	121	327
UA8WAA	"	2,598,603	2002	124	369
UA9OG	"	762,705	1113	60	195
UA9WOB	"	752,652	1087	63	213
R8MD	"	740,399	973	84	235
UA9SAW	"	553,960	973	49	171
UA9JLL	"	305,106	612	66	145
RW9JZ	"	135,660	494	39	101
RU9UC	"	95,922	181	72	147
UA9SJR	"	23,058	97	41	85
R9CD	"	5,952	51	14	34
RK8I	28	8,100	99	5	25
RF9M	21	314,793	1074	29	102
RK9QWM	"	302,457	1080	29	94
					(OP:RW9QU)
RT8O	14	52,820	255	20	56
RK9AWT	3.5	12,604	164	10	36
UA9CIM	"	4,284	62	9	25
UA9CBM	1.8	44,340	290	13	47
UA9KAA	"	30,240	201	14	46
*R9SG	A	943,236	1028	96	303
*R9QQ	"	637,495	835	69	226
*R9AX	"	608,344	670	86	255
*R9UG	"	573,795	838	89	222
*UA9CLR	"	549,310	717	83	254
*RN9RF	"	524,548	714	67	217
*R8US	"	512,057	653	92	239
*UA9OQM	"	492,678	654	84	219
*RZ9OF	"	463,100	735	76	199
*UI8CM	"	461,970	691	55	215
*RU9MN	"	397,254	552	86	200
*UA9MW	"	388,200	583	83	217
*RT9YA	"	378,900	551	84	216
*UA9UKL	"	377,253	607	65	186
*RW9UY	"	340,470	715	73	197
*UA9NP	"	298,605	473	67	188
*RW9JD	"	291,336	502	74	170
*RV9CM	"	273,375	508	59	184
*RA9SN	"	239,058	411	67	166
*RK9DO	"	194,910	383	59	160
*RZ9YB	"	184,470	403	53	142
*RA9DP	"	152,150	388	42	128
*RQ9I	"	121,273	289	50	123
*UA9JNT	"	115,404	289	43	120
*UA9OAL	"	109,824	284	40	116
*RX9DJ	"	82,328	226	49	115
*UB9CAC	"	76,384	242	25	99
*RA9KY	"	59,499	239	28	71
*R8CAA	"	47,064	233	31	80
*RU9BS	"	31,476	148	38	84
*RA9YUI	"	22,066	104	37	81
*UA9OV	"	19,906	109	23	51
*RV9DC	"	19,680	76	40	56
*R9DK	"	6,958	47	28	43
*UB9LBL	"	5,989	59	19	34
*RU9YF	"	3,402	48	14	28
*UA9OS	"	3,354	29	19	24
*RK9ABJ	"	1,961	24	13	24
*UB9LAG	"	1,891	25	10	21
*R9MJ	"	1,520	29	17	23
*R9MW	"	294	7	7	7
*RZ8U	28	120,274	774	17	54
*RX9CC	"	71,816	301	23	71
*RV9WB	"	71,796	301	24	69
*RF8R	"	57,159	294	22	65
					(OP:RW9RW)
*RK9AY	"	54,379	255	23	66
*RA9SKL	"	26,412	187	15	56
*UA9AB	"	24,180	158	25	68
*UA9OMT	"	23,240	165	21	49
*RV9CQ	"	14,732	121	16	42
*RA9JP	"	5,795	54	21	40
*RA9AP	21	328,715	876	32	113
*UA9QM	"	249,240	864	27	93
*RV9YK	"	102,708	419	24	84
*RA9CCK	"	65,291	254	28	81
*RX9AF	14	362,388	962	32	106
*UA9CCL	"	202,200	615	31	89
*RA9AFZ	"	60,528	288	18	60
*RU9SO	7	22,997	178	15	46
*RZ9AE	3.5	59,004	332	11	55
*RX9CM	"	44,330	471	11	44
*R9RA	"	14,940	127	8	37
*UA9CR	1.8	4,930	64	6	23
RG9A	AA	9,012,276	4508	157	599
RT9A	"	4,449,240	2688	154	526
R9DA	"	3,460,436	2309	129	452
RW9QA	"	2,871,516	2049	128	414
UA9TF	"	2,460,393	1462	148	515
RA9DZ	"	2,354,579	1768	117	412
UA9BS	"	1,599,360	1431	98	322
RL9I	"	968,364	1064	89	244
UA9YE	"	696,540	610	118	352
R8MC	"	478,485	658	104	239
RA9AAA	"	330,770	390	97	244
RN9CM	"	316,134	333	106	280
RG8K	"	165,432	384	52	131
UA9UR	"	153,076	242	95	189
RM9T	"	133,352	317	43	115
RW9OC	"	132,460	313	58	121
R7BA/9	"	117,688	290	50	138
RU9MX	"	58,464	147	60	84
RZ9UO	"	48,048	202	20	68
R9IR	"	44,460	226	33	57
R9SA	"	10,370	49	37	48
RN9U	"	7,965	67	16	29
RU9HM	28A	157,872	649	25	79
R9AE	21A	578,124	1507	34	125
RA9UN	"	219,114	751	28	98
UA9AU	"	153,900	532	30	105
RM9I	14A	703,065	1691	38	127
RK9DM	"	160	6	5	5
RK9AX	7A	269,265	791	31	114
RW9DX	3.5A	200,887	807	25	84
RX9CAZ	1.8A	137,190	630	17	68
RA9Y	"	41,448	328	15	51
RM8W	"	38,052	230	13	50
*RT9S	AA	3,868,590	2228	144	483
*RV9UP	"	3,025,541	2248	138	413
*RK9UE	"	1,603,287	1977	83	274
*RZ9CJ	"	1,294,624	1324	88	280
*RD9CX	"	1,169,883	1239	81	270
*UA9AL	"	1,032,993	1102	76	275
*RU9AZ	"	939,249	946	99	288
*RA9MX	"	788,097	695	102	341
*UA9AX	"	786,780	714	132	338
*R9RT	"	783,882	787	102	305
*RZ9UMA	"	653,975	997	66	193
*UF8T	"	475,832	637	75	218
*UA9R	"	416,925	656	59	196
*RG8U	"	52,488	168	68	94
*RW9AW	"	29,068	128	26	60
*UA9CNV	28A	160,362	557	27	91
*RN9N	"	156,128	556	28	91
*RN8W	"	87,674	321	28	90
*RW9OW	"	80,142	453	19	55
*UA9OC	"	70,983	317	24	75
*UA9UDX	"	16,116	172	20	48
*RW9A	"	3,995	52	16	31
*UA9AFS	21A	142,695	449	28	107
*RZ9AN	14A	224,796	574	33	110
*UA9UX	"	63,552	240	26	70
*RW9TR	"	10,660	80	15	37
*RW9OG	"	4,472	73	20	32
*RA9C	7A	40,836	197	20	63
*UA9AGX	3.5A	85,634	342	18	76
*RT9UT/9	"	18,867	167	14	43

Asiatic Russia - District Ø

RWØBG	A	1,519,170	1555	115	280
UAØZAM	"	1,024,956	1624	108	176
RAØUF	"	828,996	1239	75	209
RA/KE5JA	"	550,374	1321	100	169
RDØWA	"	400,336	650	69	193
UAØYAY	"	238,158	314	97	206
RTØB	"	50,005	176	47	90
RAØQQ	"	39,750	149	53	72
RØAA	28	241,544	913	25	84
RØDX	21	314,138	1078	35	96
*RWØAJ	A	1,648,496	1569	100	294
*UAØIDZ	"	946,200	1535	92	157
*UAØOD	"	690,368	1034	92	230
*RTØTR	"	556,439	898	91	208
*RWØUM	"	345,765	700	85	174
*RZØCQ	"	172,620	389	60	120
*UAØLNO	"	136,612	385	71	125
*RAØAY	"	130,863	305	52	129
*UAØCMG	"	118,852	330	64	108
*UAØAKY	"	93,312	254	42	102
*RZØAO	"	60,759	205	37	92
*UAØLS	"	46,008	212	53	89
*UAØAAS	"	43,968	221	29	67
*RØWC	"	42,224	220	33	71
*RAØLG	"	33,465	150	39	58
*UAØKBG	"	33,448	186	28	46
*RAØAQQ	"	30,030	160	24	67
*UAØSKE	"	29,890	188	29	69
*RWØLBM	"	23,579	217	35	38
*UAØQNV	"	22,161	97	30	59
*UAØJGF	"	16,625	98	39	56
*UAØA	"	12,956	85	29	53
*RXØSC	"	9,230	68	25	46
*RAØZN	"	9,200	56	30	50
*RUØBW	"	3,655	43	19	24
*RWØSP	"	2,520	35	13	29
*RVØAE	28	84,075	436	24	71
*RWØLQ	21	11,151	69	20	39
*UAØJJI	7	6	1	1	1
UBØA	AA	4,803,765	3175	149	466
RZØSR	"	2,975,616	2289	146	430
UCØA	"	1,811,572	1826	100	306
RAØSMS	"	1,651,104	1586	125	343
RØFA	"	1,486,752	1565	130	278
RUØLL	"	1,409,420	1721	130	250
RKØAB	"	670,548	981	97	226
UAØBA	"	571,368	837	65	201
RTØQ	"	511,700	726	98	242
RØQA	"	345,150	466	94	201
RAØFF	"	329,664	734	87	117
UAØWF	"	151,320	487	55	101
RWØLT	"	90,255	242	60	105
RAØBA	"	16,290	70	38	52
UAØLD	"	585	36	21	24
RUØSN	"	54	3	3	3
UAØSDX	28A	187,354	764	24	89
UAØAGI	"	176,880	732	28	92
RWØAB	7A	146,817	697	28	71
UAØSR	1.8A	6,201	121	12	27
*UAØAPV	AA	373,935	552	84	207
*RTØT	"	366,300	565	96	237
*UAØIT	"	249,148	595	78	121
*UAØSE	"	122,400	277	59	145
*UAØZC	"	65,504	144	65	119
*RDØA	"	52,542	169	51	75
*UAØW	"	14,850	96	28	47
*RAØANO	"	3,672	32	26	28
*UAØSAD	28A	44,451	206	25	74
*RAØWMD	"	2,706	46	11	30
*UAØWW	14A	228,600	696	34	93

Asiatic Turkey

*YM3KB	A	6,644	51	12	32
					(OP:TA3DJ)
TC7X	AA	5,657,124	3710	129	432
					(OP:UA4LL)
*TA3X	14A	61,275	389	16	41

Azerbaijan

*4K7Z	A	1,708,344	1823	93	303
					(OP:4K5D)
*4K9W	"	99,355	256	42	113
*4K8M	"	22,274	150	28	58
*4K6FO	21	390,450	1098	34	103

Bhutan

*A52SV	A	113,050	359	66	104
					(OP:JA2PSV)

China

BY5CD	A	3,269,169	3169	130	319
					(OP:BA4ALC)
BA7IO	"	2,043,113	2338	126	295
BA1GN/8	"	687,687	1330	61	170
BD4QA	"	594,270	1180	84	195
BA4VE	"	171,639	538	57	106
BA8AG	28	216,684	867	27	90
BA4SI	"	139,389	630	28	69
BA4TB	21	294,848	1060	36	100
BA8AT	"	203,565	932	32	91
BA7JS	1.8	12,599	201	14	29
*BD5SO	A	986,880	1565	107	213
*BH7PFH	"	190,254	419	68	154
*B7M	"	179,208	686	58	94
					(OP:JAØUMV)
*BD7KBH	"	131,290	361	67	123
*BD3OM	"	111,780	316	57	105
*BD2IAQ	"	56,700	233	54	81
*BG8SZG	"	43,375	222	45	80
*BD4SX	"	39,744	170	58	80
*BD7BW	"	34,650	232	46	80
*BA4EO	"	26,741	144	53	68
*BD2TBJ	"	20,979	130	28	53
*BI7MLE	"	17,927	113	38	53
*BD2OB/7	"	17,420	136	31	34
*BH1MHI	"	13,629	100	31	46
*BD6CQZ	"	12,978	88	43	60
*BH8BJO	"	12,900	153	32	43
*BD2SHV	"	5,635	65	21	28
*BD3MV	"	2,738	99	26	48
*BG4OGO	"	2,160	71	19	26
*BD6OT	"	828	29	11	12
*BH1FCC	"	225	13	7	8
*BD8ASG	28	64,719	451	23	58
*BG3TBS	"	8,050	82	18	28
*BD5EUA	"	5,246	54	17	26
*BA4II	21	54,756	454	24	57
*BD1DCG	"	38,400	258	22	53
*BH8AGP	"	13,764	162	22	40
*BG8BSX	"	7,290	100	20	34
*BG8BIN	"	682	23	11	11
*BD5WW	14	115,964	583	29	77
*BD4UM	"	968	26	10	12
*BD4IJ	"	32	5	4	4
*BG4HYK	7	4,935	73	17	18
*BA7NO	3.5	12,084	251	17	36
*BD2RJ	"	2,703	150	8	9
BD4HF	AA	1,278,030	1607	121	269
BA5CJ	"	161,945	325	78	167
BA1KW	"	29,184	137	34	62
BD7LMD	28A	369,125	1434	31	94
B7P	21A	488,026	1423	36	118
					(OP:BA7NQ)
BD7DX	"	257,542	988	30	92
*BA4MY	AA	428,556	666	97	187
*BD1IIJ	"	180,540	637	71	109
*BD3MH	"	72,576	313	45	83
*BD4SFE	"	54,832	191	56	93
*BA7JC	"	47,400	169	65	93
*BD5FFK	"	38,090	177	50	80
*BD7LJI	"	36,332	143	45	79
*BG5JND	"	33,158	162	45	73
*BD4UN	"	29,606	181	48	65
*BA6IT	"	3,224	46	24	28
*BA5FB	"	600	14	8	7
*BD5PN	28A	26,718	178	23	50
*BD7FB	"	7,695	99	22	35
*BG6CJR	"	7,448	65	17	32
*BA1SN	21A	19,656	125	24	39
*BD4CQ	"	18,450	230	21	29
*BA4SD	14A	45,056	285	26	62
*BG2AUE	7A	105,570	693	28	57
*BA6QY	"	1,664	21	16	16
*BA5HAM	3.5A	1,802	90	8	9
*BA7CK	1.8A	27	14	4	5

Cyprus

*5B4AIF	A	98,560	276	40	120
*C4Z	28	574,832	1528	34	114
					(OP:5B4AIZ)
5B4AFM	28A	125,939	460	27	80
5B4ZN	21A	12,720	65	27	53

Georgia

4L5O	3.5	391,577	1493	22	79
*4L3T	A	604,044	974	60	178

Hong Kong

VR2XLN	3.5	5,244	88	14	24
*VR2ZQZ	28	249,781	1229	31	88
*VR2PX	21A	243,810	984	33	93
*VR2KW	"	166,383	620	34	105

India

VU2PTT	A	4,508,784	3318	122	382
VU2PAI	"	352,488	615	74	154
VU2JOS	7	42,768	244	24	64
*VU2BGS	A	1,526,910	1531	105	280
*VU2NXM	"	256,587	421	81	186
*VU2MUD	"	493	17	14	15
*VU2ATB	"	400	15	11	14
*VU2ABS	AA	179,322	435	73	174
*VU3KPL	"	67,320	215	50	120
*VU2LBW	"	58,546	172	43	103
*VU2CDP	21A	11,040	73	19	41

Israel

4Z5KO	A	84,863	291	30	83
4X2M	21	1,003,054	2277	38	135
					(OP:4X4DZ)
*4Z4DX	A	4,310,212	3321	120	389
*4Z5ML	"	215,035	550	40	105
*4Z5MU	"	162,192	521	40	84
*4Z5QQ	28	20,592	159	12	40
*4Z8SM	1.8	6,303	77	6	27
4Z1DZ	AA	316,712	509	69	167
4Z5LA	28A	834,620	2263	34	111
*4Z5TK	AA	1,700,650	1893	83	267
*4X6FR	"	983,366	1125	87	250
*4X1WQ	"	22,800	106	37	58
*4X/UA9CTT	7A	492,024	1696	28	86

Japan - District 1

JH1GBZ	A	3,199,392	2925	140	274
					(OP:JH5GHM)
JF1NHD	"	2,473,900	2870	110	215
JK1OLT	"	1,887,180	1756	133	293
JA1JKG	"	717,196	1301	76	136
JR1IJV	"	645,216	821	113	199
JF1KML	"	582,335	757	99	190
JA1AYO	"	479,080	687	108	187
JH1MDJ	"	477,480	568	129	216
JA1QOW	"	431,024	638	91	157
JA1WWO	"	280,360	409	113	213
JA1HP	"	259,350	562	65	117
JO1SIM	"	215,264	457	78	139
JG1OIY	"	157,528	337	72	131
JH1CTV	"	152,975	364	85	126
7K1PTT	"	121,072	240	79	109
JG1WCT	"	73,884	247	60	81
JP1EWY	"	62,972	171	67	106
JA1HMK	"	53,816	178	57	67
JA1IKA	"	38,796	180	64	95
JH1NXU	"	35,510	146	59	75
JI1ANI	"	33,000	133	57	68
JA1CTV	"	25,466	128	48	59
JA1XS	"	14,560	75	39	52
JF1OPL	"	11,440	107	49	55
JR1LZK	"	11,025	114	19	26
JH1EEB	"	6,534	40	32	34
JE1HRC	"	5,936	50	20	33
JI1DSU	"	4,399	49	27	26
JA1DM	"	3,774	31	20	31
JA1IZZ	"	1,872	20	19	20
JF1UOW	"	459	20	6	3
JG1AVO	28	192,933	654	34	83
JA1QXY	"	96,824	445	33	58
7K4XNN	21	277,722	989	34	77
JR1BTG	"	222,406	704	33	89
JI1LNR	"	11,004	107	16	26
JF1NZW	14	22,715	104	25	52
JK1LUY	"	10,764	80	14	32
JA1XMS	7	295,748	1102	30	77
JK1OPL	"	205,777	580	33	110
JH1RFM	"	65,688	339	30	72
JH1AEP	3.5	94,874	491	25	64
JA1KVT	1.8	1,768	40	12	14
*JA1BJI	A	2,024,196	1773	142	302
*JI1RXQ	"	1,802,603	1665	132	275
*JS1OYN	"	947,646	1136	112	215
*JA3MIO/1	"	567,385	725	105	196
*JA1BNW	"	432,795	569	112	193
*7K1MAG	"	385,014	580	99	168
*JG1RZH	"	366,732	604	91	153
*JH1FNU	"	317,264	525	97	154
*JA1JPJ	"	253,827	493	92	145
*7K4VPV	"	192,198	359	70	136
*JF1MBT	"	191,160	433	72	108
*JA1HNW	"	168,540	358	85	127
*JA1AZR	"	162,138	369	78	105
*JL1QDO	"	152,290	313	78	116
*JM1KNI	"	142,447	333	71	110
*JF1VNR	"	132,104	316	73	123
*JS1PDC	"	114,750	363	59	94
*JA1DKT	"	94,860	275	49	75
*JF1DIR	"	93,708	253	66	105
*JH1BED	"	89,680	287	58	94
*JE1NVD	"	86,086	239	60	83
*JA1DDZ	"	83,667	244	65	102
*JJ1LRD	"	81,639	245	58	83
*JE1LDU	"	69,881	234	65	84
*JE1GZB	"	68,640	258	52	68
*JA1OHP	"	68,448	196	62	76
*JP1SRG	"	67,781	195	67	94
*7N4QCQ	"	66,654	215	52	74
*JH1SVO	"	61,080	260	46	74
*JA1IE	"	56,160	195	53	82
*JK1NSR	"	56,115	222	57	88
*JJ1KZZ	"	54,625	181	46	79
*JA1GQC	"	54,438	197	59	70
*JH1LHV	"	53,664	204	57	99
*JI1RAK	"	50,868	193	40	68
*JA1RRA	"	49,323	172	49	74
*JN1IZK	"	47,988	183	51	73
*JH1DYV	"	46,530	178	44	55
*JA1WQX	"	44,872	207	61	81
*JH8FAJ/1	"	40,748	131	44	78
*JA1VDJ	"	40,599	136	46	71
*JA1FGB	"	40,040	159	50	54
*JK1OXU	"	34,608	121	53	59
*JI1VAH	"	32,841	127	50	73
*JA1CRJ	"	29,680	126	48	58
*JA5INF/1	"	28,552	141	37	46
*JN1BBO	"	26,600	111	44	56
*JI1BHO	"	25,750	109	42	61
*JA1HFY	"	24,960	173	52	78
*JA1HG	"	24,024	114	44	47
*JA1PCM	"	22,100	81	37	63
*JA1ANF	"	21,708	103	45	63
*JF1MAD	"	20,160	99	34	46
*JA1LJW	"	19,125	98	32	53
*JA1CPZ	"	15,844	106	27	41
*JG1SWV	"	15,040	88	35	45
*JH1EYM	"	14,960	69	36	52
*JF3GFH/1	"	11,020	62	32	44
*JA1HOM	"	10,626	64	32	45
*JP1GVC	"	9,648	74	33	34
*JH1CWI	"	9,116	67	38	48
*JE1JAC	"	8,494	79	21	41
*JI1AVY	"	7,697	77	22	21
*JH1QQN	"	7,488	65	33	39
*JH1RRP	"	6,439	58	22	25
*JI1LAI	"	6,431	46	25	34
*JA9DTV/1	"	5,358	61	27	30
*JAØIND/1	"	3,096	32	18	18
*JG1FGL/1	"	2,464	35	21	23
*7J1ABD	"	1,155	26	16	17
*JG1WKM	"	680	21	10	10
*JA1TQE	"	216	8	5	4
*JR1KDA	"	187	7	6	5
*JL1IBL	"	48	4	3	3
*JH1XUZ	28	23,800	152	26	42
*JE1RRK	"	17,346	155	25	34
*JG1TVK	"	15,750	99	25	38
*JA1NLX	"	10,948	134	14	14
*JA8KSW/1	"	7,250	92	19	31
*JP1IXV	"	7,084	82	19	27
*JO1QZI	"	6,550	71	20	30
*JI1HNC	"	6,160	63	16	28
*JF1AZQ	"	1,624	30	12	16
*JF1TEU	"	1,624	23	14	14
*JO1JKH	"	782	18	10	13
*JE1HXZ	"	48	4	2	2
*JS1IFK	21	296,480	844	35	101
*JI1AQY	"	86,602	320	31	75
*JF1LEO	"	47,589	228	29	58
*7K1EQG	"	35,186	200	24	49
*JI1SAI	"	29,952	150	27	51
*JA1BFN	"	23,680	159	25	39
*JH1GBO	"	22,815	157	23	42
*JI1BBN	"	20,519	127	21	50
*JI1UDD	"	15,024	132	20	28
*JJ1GQH	"	10,602	101	17	21
*JA1DBG	"	5,548	74	16	22
*JH8SEG/1	"	2,656	32	13	19
*JE1SHW	"	1,254	26	14	19
*JF1PYJ	"	280	14	7	7
*JA1BBC	14	35,360	194	28	52
*JA1MZM	"	4,352	49	7	25
*JM1LFA	7	8,648	119	17	30
*JA1VVH	"	2,324	39	13	15
*JA1ISA	"	2,277	28	15	18
*7M1MCY	"	1,843	33	10	9
*JA1TBX	"	1,188	31	10	12
*JL1MWI	"	833	19	8	9
*JH1APZ	3.5	18,120	124	21	39
*JA1JAT	"	1,316	24	12	16
*JE1SPY	1.8	1,840	47	11	12
*JA1CTZ	"	162	8	5	4
JE1LFX	AA	2,652,030	2089	142	332
JE1SGH	"	867,412	935	117	247
JA1LZR	"	678,015	972	103	182
JJ1NYH	"	348,023	549	89	158
JA1RPK	"	333,653	584	74	155
JG1SXP	"	311,640	450	101	179
JH1EIG	"	268,840	357	99	187
JH1OVY	"	253,000	384	91	159
JA1LNZ	"	186,686	333	94	175
JO1VRV	"	168,508	362	75	131
JH1ASG	"	164,203	348	87	134
JH1ACA	"	139,620	328	65	114
JA1WPX	"	111,042	225	64	122
JA1SJV	"	83,076	243	62	76
JN1BMX	"	29,000	121	50	66
JA1HGY	"	26,712	80	48	78
7L2OHM	"	26,703	140	23	46
JE1FQV	"	17,298	94	33	60
JF1SQC	28A	265,350	861	35	87
JE1CKA	"	177,240	655	36	69
JH1APK	"	16,491	101	27	42
JL1SAM	21A	166,729	462	36	101
JH1AQN	7A	48,974	233	29	65
JO1WKO	3.5A	24,208	152	23	45
JA1PTJ	1.8A	1,449	31	10	11
*JH1EAQ	AA	1,096,816	1106	130	262
*7K4QOK	"	1,030,568	1048	118	274
*JM1NKT	"	973,750	924	134	276
*JF1KWG	"	549,480	800	102	183
*JM1LRQ	"	529,404	685	110	204
*JG1OWV	"	395,676	475	132	216
*JN1MSO	"	366,660	598	93	159
*JH1RNI	"	285,891	464	98	135
*JH1DGQ	"	247,020	358	107	169
*JA1JQY	"	228,135	445	74	127
*JR4PMX/1	"	139,836	295	73	99
*JI1LAT	"	110,229	223	89	114
*JG1LFR	"	41,040	120	70	82
*JA1WHG	"	34,336	146	50	66
*JA1GFD	"	20,979	126	51	60
*JQ1NID	"	12,462	90	29	38
*JA1BIV	"	6,831	43	29	40
*JP1QDH	"	897	13	10	13
*JQ1VDJ	28A	19,488	160	22	34
*7N2JZT/1	"	14,592	114	21	36
*JG1FKT	21A	61,470	284	29	61
*JH1OES	"	46,104	220	32	70
*JO1WIZ	"	45,661	246	24	53
*JP1EAA	"	112	19	9	7
*JP1EHC	"	96	4	4	4
*JE1LPZ	14A	43,146	200	30	64
*JP1LRT	7A	12,880	96	22	34
*JH3LFL/1	"	2,996	80	7	7
					(OP:JH3LFL/1)
*JA1SKE	3.5A	2,272	43	12	20
*JN1RQV	"	1,032	16	8	16
*JA1SVP	1.8A	1,809	32	10	17

Japan - District 2

JA2VHO	A	1,196,354	1350	115	246
JN2AMD	"	1,108,080	1510	114	210
JA2FJP	"	168,696	655	35	64
JA2CPD	"	162,330	334	87	123
JA2HNP	"	141,904	305	61	135
JA2XLV	"	129,312	389	47	97
JR2AWS	"	115,968	311	83	109
JA2LMY	"	93,094	227	67	111
JR2ECF	"	17,856	101	29	35
JR2IOB	28	106,839	513	27	54
JE2BOM	21	54,896	246	30	64
JE2WLD	"	3,901	50	20	27
JF2BDK	14	73,400	274	31	69
JA2AYH	3.5	7,448	72	17	32
JA2TFU	"	2,000	30	8	17
JE2OTM	1.8	1,568	34	11	17
*JA2CUS	A	1,101,664	1134	128	270
*JA2AXB	"	883,614	1065	123	214
*JA2KVB	"	610,373	683	115	232
*JA2FXV	"	190,907	380	87	140
*JR2UBS	"	128,652	284	78	135
*JA2QVP	"	125,736	258	78	108
*JA2KPW	"	109,047	276	66	97
*JA2VZL	"	91,234	252	48	95
*JA2GHP	"	78,535	226	53	86
*JE2DOD	"	64,698	235	48	75
*JF2OHQ	"	46,151	160	55	78
*JA2AYP	"	37,320	169	53	67
*JE2FJI	"	36,356	126	50	72
*JM2NWF	"	11,594	94	25	37
*JG2RFJ	"	6,784	52	26	27
*JR2ADB	"	5,292	60	25	29
*JR2PAU	"	5,041	46	32	39
*JA2HBK	"	4,212	36	21	31

*JQ2OUL	"	3,132	45	30	28
*JH2MYN	28	23,870	175	29	48
*JR2VRN	"	23,852	165	26	41
*JA2RPZ	"	735	15	8	13
*JA2KKA	21	56,925	299	24	51
*JR2NTC	"	53,010	239	29	64
*JF2FIU	"	52,374	248	28	59
*JR2LBF	"	7,440	66	19	29
*JF2KWM	"	7,252	68	18	31
*JF2AIJ	"	2,475	33	9	16
*JK2VQR	"	1,840	39	10	10
*JG2QUM	"	416	12	5	8
*JG2KKG	14	314,279	894	35	98
*JL2LPX	"	88,726	344	32	77
*JA2HYD	7	15,184	119	18	34
*JF2WXS	"	5,459	56	16	37
*JA2JWH	"	1,170	25	9	9
*JA2BCQ	"	950	22	9	16
*JI2GZC	"	384	14	6	6
JF2OZH	AA	942,375	1043	121	238
JF2QNM	"	285,476	544	93	121
JR2PMT	"	256,828	370	108	178
JI2XIU	"	47,082	163	41	77
JK2TTP	"	1,395	20	15	16
JA2XYO	21A	313,728	834	36	116
JA2FSM	"	3,248	44	14	15
JF2IWL	14A	4,968	73	14	13
JR2SCJ	3.5A	27,392	201	23	41
JR2UXO	"	8,550	90	17	28
JH2FXK	1.8A	19,345	148	16	37
JF2XGF	"	2,464	47	13	15
JA2DLM	"	924	20	8	13
*JJ2DWL	AA	18,400	88	43	49
*JE2VYM	28A	1,050	18	11	14
*JE2HXL	21A	46,240	269	23	45
*JR2AAN/2	"	20,475	122	23	40
*JR2IJS	"	77	6	5	6
*JM2LHB	14A	825	18	12	13
*JJ2PUG	7A	1,708	27	14	14

Japan - District 3

JI3BFC	A	1,363,712	1221	132	316
JJ3JJL	"	833,100	1092	109	191
JR3QHQ	"	370,052	589	102	182
JA3AVO	"	345,600	523	90	166
JA3QOS	"	285,905	470	111	160
JG3LGD	"	138,627	249	86	133
JA3ENN	"	85,760	293	48	80
JR3XEX	"	82,295	260	65	86
JA3VOV	"	66,240	214	63	97
JE3AZY	"	31,524	121	46	65
JA3LXJ	"	16,188	112	25	51
JA3BYR	"	7,938	67	32	31
JJ3CDK	"	1,683	24	16	17
JA3EGE	28	45,756	223	33	60
JA3DAY	14	83,104	278	31	81
JH3GCN	"	315	10	6	9
JF3LOP	3.5	30,636	216	22	47
JI3KDH	1.8	11,310	147	12	27
*JK3HLP	A	718,580	922	111	194
*JH3CUL	"	672,378	957	110	184
*JG3CQJ	"	460,224	732	103	185
*JA3IKG	"	438,634	616	92	174
*JG3SVP	"	356,475	827	66	109
*JA3JM	"	297,824	564	79	148
*JA3HBF	"	198,225	383	84	141
*JF3VAX	"	176,128	432	65	107
*JR3NDM	"	159,588	374	69	129
*JS3EOE	"	104,652	281	71	100
*JH3BYX	"	87,230	280	54	76
*JA3EBT	"	58,480	201	51	85
*JA3NOJ	"	53,439	155	51	90
*JA3BDP	"	37,323	153	47	70
*JH3PTC	"	30,800	147	49	51
*JG3LDD	"	25,543	121	42	47
*JI3OGI	"	19,350	79	42	48
*JJ3KTW	"	19,090	105	35	48
*JO3QVT	"	16,728	90	40	42
*JL3WSL	"	14,756	104	34	34
*JA3GW	"	9,620	74	30	44
*JO3EVM	"	3,102	36	20	27
*JA3AHY	"	1,300	69	24	28
*JO3UKG	"	140	6	5	5
*JF3IYW	28	41,272	270	26	41
*JN3DSH	"	35,624	200	27	46
*JL3MCM	"	25,326	169	24	39
*JA3LKE	"	2,088	26	14	15
*JO3TQY	"	2	1	1	1
*JR3EOI	21	344,720	1063	34	90
*JF3BFS	"	329,208	956	34	98
*JA3RAZ	"	19,560	127	24	36
*JG3UVN	"	8,325	111	11	14
*JK3RHX	"	1,984	25	13	19
*JH3MSA	14	9,464	84	21	35
*JA3JND	"	8,050	63	17	29
*JA3UWB	7	10,209	108	15	26
*JN3IWQ	"	1,298	25	10	12
JS3CTQ	AA	5,118,840	3188	161	429
JN3SAC	"	631,045	837	91	214
JG1EIQ/3	"	555,772	697	112	210
JH3EQP	"	78,396	219	59	82
JA3RAR	"	2,035	23	19	18
JH3AIU	21A	550,128	1368	38	119
JH3PRR	1.8A	5,535	59	14	27
*JA3PYC	AA	962,340	1014	119	254
*JG3FEA	"	709,436	722	116	248
*JF3NKA	"	643,179	912	95	174
*JA3VUI	"	137,966	294	86	116
*JR3RIY	"	86,973	252	60	99
*JG3RPL	"	16,821	79	36	53
*JA3VXH	21A	84,447	335	30	69
*JO3PSJ	"	29,748	205	21	46
*JI3FSI	"	17,424	107	22	44
*JN3VQM	"	3,810	53	12	18
*JL3RDC	14A	3,870	51	19	24
*JN3TRK	7A	5,889	68	19	20
*JA3GN	3.5A	26,248	167	21	47

Japan - District 4

JH4UYB	A	5,266,014	3710	159	384
JH4RUF	"	57,343	165	65	78
JH4ADK	28	90,132	451	30	54
JH4MGU	21	74,550	481	22	49
JA4BXU	"	644	12	12	11
JE4CIL	1.8	2,001	38	11	18
*JE4MHL	A	861,876	943	115	241
*JR4PDP	"	186,160	412	81	127
*JE4QGF	"	148,995	366	61	104
*JH1MTR/4	"	92,225	230	74	101
*JF4RKC	"	34,300	155	42	58
*JA4AQR	"	34,200	192	25	47
*JK4DUJ/4	"	15,810	86	35	50
*JH4BTI	"	5,600	56	35	45
*JA4ATV	"	3,990	38	20	18
*JI5SKS/4	"	1,776	35	12	12
*JR4VEV	"	361	12	10	9
*JR4GPA	28	53,550	328	25	45
*JR4FLW/4	21	89,232	352	32	72
*JH4FUF	"	4,756	47	20	21
*JJ4CDW	14	116,510	367	35	87
*JE4URN	"	480	13	5	11
*JA4AVO	7	1,170	47	14	25
*JA4CUU	1.8	2,788	55	12	22
JH4UTP	AA	1,755,845	1610	142	313
JO4BOW	"	414,946	629	98	179
JO4CTB	"	327,968	539	113	183
JK4USW	"	123,740	233	81	149
JE4JPQ	"	35,340	205	27	35
JN4MMO	28A	218,163	711	37	84
JO4CFV	"	12,495	102	20	31
JA4FHE	3.5A	98,670	443	27	83
JA4OPW	"	7,000	74	18	32
*JI4UEN	AA	253,800	475	69	147
*JM4WUZ	28A	81,718	354	31	60
*JH4CES	3.5A	23,920	168	21	44

Japan - District 5

JE5JHZ	A	547,420	783	95	176
JA5JGV	28	3,744	47	17	22
JA5DQH	21	873,136	1934	37	127
JA5BZL	1.8	2,929	38	9	20
*JG5DHX	A	431,897	621	94	187
*JJ5HUD	"	129,766	318	75	107
*JA5CBU	"	85,510	285	67	103
*JA5RB	"	59,796	204	56	76
*JA5SUD	"	12,441	73	33	54
*JA5IVG/5	"	12,300	70	36	46
*JA5GSG	"	11,214	123	41	48
*JH5FTY	28	41,919	209	33	56
*JA5ATN	"	8,234	81	17	29
*JA5FMT	21	30,744	170	22	50
*JA5VUT	"	1,168	25	8	8
*JA5XPD	3.5	1,426	32	13	18
JA5DWY	AA	11,880	91	38	52
JJ5GSY	14A	10,560	77	21	39
*JR5XPG	AA	589,600	688	123	212

Japan - District 6

JA6LCJ	A	3,064,560	2597	140	312
JA6FFK	"	396,738	572	112	167
JS6RGY	28	504,720	1332	36	108
JH6DUI	21	25,058	164	26	41
JA6SHL	7	373,107	1318	29	80
JA6PCH	3.5	182	9	6	8
*JS6GIM	A	231,660	413	76	158
*JE6ETN	"	108,290	276	74	108
*JA6BWH	"	75,117	225	54	93
*JH6QFJ	"	39,156	213	31	47
*JA6WW	"	29,601	177	60	83
*JA6CM	"	19,864	124	44	60
*JH6SCA	"	17,765	92	38	47
*JA6RIL	"	14,996	99	40	52
*JH6WHN	28	141,969	528	33	78
*JG6QPX	14	1,830	31	13	17
*JA6FGC	"	1,740	23	11	19
*JA6ELV	7	9,720	80	21	33
*JR6GIM	3.5	30,552	181	23	53
JA6BZI	AA	2,179,590	1479	156	426
JA6REX	"	142,641	256	93	150
JR6AWQ	28A	68,250	303	32	59
*JA1IST/6	AA	62,730	162	62	91
*JA6GXP	"	17,721	95	41	58
*JS6RTJ	21A	131,625	404	34	91
*JL6LTB	7A	187	12	6	5

Japan - District 7

JA7IC	A	1,458,720	1587	126	234
JA7ACM	"	1,067,307	1191	124	235
JA7EU	"	46,626	160	43	71
JA7JHT	"	26,265	119	48	55
JA7AXP	"	4,662	42	31	32
JA7NVF	21	291,580	983	33	89
JA7DOT	"	25,443	104	31	68
JA7FTR	14	660,195	1659	37	116
JA7AKH	"	212,328	745	31	77
JA7BME	7	182,649	642	31	76
JA7MJ	"	111,173	419	28	79
JH7IMX	3.5	21,483	139	23	40
*JH7CUO	A	514,053	792	86	151
*JE7HYK	"	378,856	650	87	145
*JR7DUT	"	97,820	292	62	84
*JA7CPW	"	93,912	235	70	102
*JH7BMF	"	55,913	183	60	83
*JK7UST	"	32,045	141	40	45
*JR7ASO	"	27,888	148	35	49
*JA7AUM	"	25,560	169	38	52
*JJ7ATA	"	24,645	151	40	53
*JP7DKQ/7	"	18,334	96	33	56
*JA7FDA	"	16,744	84	38	54
*JN7KRH	"	104	10	7	6
*JH7RTQ	28	34,444	188	31	48
*JF7GDF	"	15,824	138	20	23
*JA7LLL	14	23,475	135	27	48
*JA7FYU	"	2,442	37	13	20
*JA7SSP	7	17,751	138	22	39
*JE7DMH	"	812	20	7	7
*JF7FHY	"	225	11	5	4
*JH8CLC/7	"	108	6	4	2
JA7ZP	AA	308,700	450	115	179
JA7VEI	"	250,962	366	99	178
JA7GYP	"	94,488	195	62	124
JA7OWD	28A	54,090	230	34	56
JA7MYQ	14A	174,445	458	36	103
JA7MSQ	3.5A	15,512	129	21	35
*JA7RPC	AA	319,536	545	88	164
*JF7PHE	21A	177,990	686	30	72
*JA7RQK	"	1,672	30	10	9

Japan - District 8

JA8KXA	A	284,992	489	92	152
JA8DIV	"	244,278	398	91	155
JH8GEU	14	73,242	270	33	84
JA8MXC	7	4,576	52	15	17
JA8CJY	3.5	4,176	67	13	16
*JH8SLS	A	2,313,091	1810	143	336
*JA8AJE	"	193,844	447	69	103
*JJ3DJS/8	"	46,920	170	52	68
*JR8QFG	"	35,040	169	38	42
*JJ8GFL	"	6,095	64	28	25
*JL8XSO	"	4,600	47	23	23
*JH8XVH	28	25,612	152	31	45
*JA8CEA	21	25,344	108	29	59
*JE8CRA	"	8,142	81	19	27
JH8CXW	AA	362,805	529	103	182
*JA8COE	AA	153,596	314	72	116
*JL8LTI	"	912	20	13	11
*JH8DBJ	28A	10,787	71	27	40
*JG8IBY	21A	5,320	79	16	24

Japan - District 9

JA9RRH	A	127,144	288	83	101
JA9BGL	"	83,148	219	65	99
JA9LJS	"	33,579	116	55	68
JA9CWJ	14	308,420	817	33	107
*JA9LX	A	146,264	339	68	120
*JH1TXG/9	21	113,080	420	32	78
JF9JTS	AA	938,772	1283	91	176
JR9GMS	"	20,664	96	28	56
*JH9KVF	28A	102,612	431	34	68
*JA9XAT	"	35	3	2	3

Japan - District Ø

JAØAXV	A	579,378	766	122	244
JRØWZR	"	232,344	391	91	161
JJØPJD	"	170,699	307	85	126
JHØINP	"	156,519	411	65	88
JAØIOF	21	44,444	250	29	53
*JHØNEC	A	917,314	1054	118	219
*JHØCCK	"	66,944	198	47	81
*JAØRCK	"	1,196	16	10	16
*JAØAXA	"	45	3	3	2
*JAØGSG	28	216	9	4	5
*JFØEBM	21	103,897	393	30	77
*JGØGGI	"	168	24	11	10
*JJØOAP	"	165	8	7	8
*JHØEPI	14	151,307	503	32	81
*JAØAOQ	3.5	7,406	106	19	27
JJØJML	AA	399,645	609	101	148
JIØVWL	"	98,208	370	47	52
JAØJWQ	"	24,354	97	41	58
JAØFVU	28A	73,255	331	31	60
JAØGCY	21A	42,400	224	27	53
JJØMPI	7A	1,197	25	10	9
*JAØBJY	AA	150,890	298	77	114
*JRØBUL	28A	2,074	25	18	16
*JAØDOW	21A	10,504	83	20	32

Jordan

*JY4NE	A	1,170,585	1424	69	230

Kazakhstan

UP2L	A	9,848,320	5608	151	489
					(OP:UA9BA)
UPØL	"	8,377,824	5319	145	479
					(OP:UN9LW)
UN6GK	"	131,425	313	58	117
UN7QF	"	35,535	150	34	69
UN7TW	"	20,587	87	47	72
UN6P	21	357,840	1115	30	110
UN9GD	14	739,827	1802	36	123
UNØL	7	633,900	1763	31	119
UN1Z	"	180,722	701	26	83
UN4L	1.8	145,386	715	17	65
*UN7FW	A	1,025,248	1152	96	272
*UN6G	"	1,015,288	1172	88	270
*UN3Z	"	107,748	229	62	157
*UN7QCC	"	101,384	306	44	108
*UNØC	"	29,280	101	52	70
*UN7PV	"	8,468	63	29	44
*UN/UA9SCX	28	55,860	285	23	61
*UN7JX	"	48,158	198	29	92
*UN5C	"	41,472	211	19	62
*UN8CC	"	30,450	186	19	56
*UN6LN	21	237,850	790	30	104
*UN7CN	14	227,181	708	31	92
*UN4PD	"	20,650	125	16	43
*UNØBB	7	60,812	319	23	69
*UN8GA	"	19,575	193	12	33
*UN2C	3.5	198,330	801	26	84
UN9L	AA	3,470,544	2186	146	480
UN2E	"	1,161,635	1129	88	291
UN5J	"	867,790	1188	88	255
UN6T	"	163,540	331	72	149
UN8GV	28A	457,169	1397	31	106
UP8G	"	219,526	1083	25	84
UP1G	7A	460,558	1345	31	103
					(OP:UN7QX)
UN4PG	3.5A	188,190	899	17	68
UP6P	1.8A	20,915	166	9	38
					(OP:UN6P)
*UN7LAN	AA	1,767,422	1576	113	345
*UN7EG	"	240,331	407	66	181
*UN9LU	3.5A	61,915	409	12	49

Kuwait

9K2HN	21	1,364	28	10	12

Kyrgyzstan

EX2A	A	2,222,404	2190	98	306
*EX2B	A	144,878	530	26	81
*EX8BN	"	75,020	224	50	105

Lebanon

*OD5NJ	A	606,135	858	50	205

Mongolia

JT1CO	28	407,410	1522	30	101
*JT4SG	28	4,900	116	11	24
					(OP:JT1BL)
*JT1DX	7	49,410	356	23	58
JT1E	AA	1,580,800	2259	85	240
					(OP:JT1DA)
*JT1AA/3	AA	648,830	1555	57	173
*JT1BV	"	454,960	908	76	166

Oman

A45XR	A	10,818,144	6008	151	508

Qatar

A71EM	A	1,694,077	1950	88	255
A71CM	7	43,008	282	16	48
A71A	AA	618,233	1255	52	165
					(OP:DL7JOM)
A73A	21A	907,128	2297	35	137
					(OP:A71BX)

Republic of Korea

HL5UOG	A	264,792	502	87	149
HL1IWD	"	162,309	489	73	104
DS5VTG	"	72,228	192	63	93
HL3AMO	3.5	7,399	94	18	31
HL2FDW	1.8	3,025	118	11	14
*HL9GE	A	100,200	293	67	100
*DS3HWS	"	21,780	197	43	47
*HL5JCB	"	5,292	48	26	23
*DS2GOO	7	2,419	43	16	25
DS4EOI/2	AA	625,824	1066	85	203
HL2WP	"	173,535	570	36	79
DS5DNO	"	140,250	525	73	92
HL1/WX8C	21A	79,040	437	28	48
*HL1VAU	AA	688,900	906	107	225
*HL5YI	"	252,587	435	86	143
*HL2/KA8U	28A	513	15	8	11

Saudi Arabia

*HZ1HN	14	112,914	547	25	77
*7Z1HL	AA	265,350	524	45	138
*7Z1SJ	7A	193,620	669	24	81

Singapore

*9V1IZ	21	56	5	4	4
*9V1RM	21A	31,372	152	29	63

Taiwan

BV1EK	A	663,600	1148	113	187
*BW/DJ3KR	28	38,998	281	23	51
*BV1EL	21	12,128	186	16	16
BU2AW	AA	1,660,932	2368	105	246
BU2AV	"	96,384	390	60	68
*BV4VQ	21A	442	17	7	6

Tajikistan

EY8MM	28	951,566	2658	33	121
*EY7AB	21	36,261	256	21	58
*EY7BJ	14	244,705	849	28	81
*EY7BD	3.5	21,350	194	12	38

Thailand

HSØZEE	A	538,230	657	107	278
HSØAC	"	527,778	927	80	189
					(OP:OZ1HET)
HSØZDR	21	91,271	358	28	79
HSØZCW	7	696	21	11	13
*E21YDP	A	1,056,732	1445	91	230
*E27EK	"	142,560	480	56	106
*HS3LSE	"	105,456	294	56	113
*HS1FVL	"	22,815	109	43	74
*E29BUQ	"	3,584	147	46	82
*E22WIW	"	255	13	8	9
*HS2JFW	28	82,344	492	24	70
*HS8JYX	21	16,128	165	23	40
*HS3ANP	"	3,393	52	15	24
*E2ØUPZ	"	3,060	84	16	35
*HSØZGQ	AA	210,673	768	53	138
					(OP:DL1MJF)
*HS4DDQ	28A	21,000	196	21	54
*HSØZDY	"	14,774	76	29	60

UK Base Areas on Cyprus

ZC4LI	21	786,559	1988	32	119

United Arab Emirates

A61BK	28	114,552	386	28	101
A61K	21	46,464	304	16	48
A65BR	7	45,147	170	26	75
*A65BT	A	10,290	90	34	64
*A61M	28	1,110	34	10	20
A65BP	3.5A	144,180	618	21	68
					(OP:RV6LNA)
*A65CA	AA	2,272,450	1885	127	343
					(OP:RV6AJJ)

Uzbekistan

UK7AL	A	86,790	232	55	110
*UK9AA	28	474,370	1593	31	99
*UK7AZ	"	37,000	206	20	54
*UK8AR	21	468,027	1608	27	92

Vietnam

*XV2RZ	21	384,178	1627	35	99
					(OP:OH4MDY)
XV1X	AA	1,719,366	2363	95	232
*XV4Y	AA	17,184	105	33	63

West Malaysia

9M2TO	A	811,206	1349	91	215
9M2IDJ	28	146,300	635	33	77
9M2CNC	21	760,468	2043	38	126
					(OP:G4ZFE)
*9M2/JE1SCJ	A	156,088	450	76	142
*9M2ZAK	"	110,160	492	59	94
*9M4SEA	"	23,358	98	39	63
					(OP:K3ZO)
*9M2BDX	21	760	14	10	10
					(OP:JI3QGQ)
*9M2MRS	14	187,044	690	35	97
*9M2AZ	"	420	14	7	8
9M2/E21EIC	AA	1,764,423	2092	120	291

EUROPE

Aland Islands

OHØX	A	5,157,432	4702	146	502
					(OP:OH2UA)
*OHØRJ	A	12,625	135	30	71
OHØZ	AA	4,446,450	3618	160	578
					(OP:OH6EI)

Albania

*ZA1G	A	123,840	487	45	127

Austria

OE3K	A	6,674,115	5651	149	446
					(OP:DK6XZ)
OE2BZL	"	1,480,305	1934	106	329
OE3DSA	3.5	60,495	398	20	91
*OE5CYL	A	108,547	317	54	143
*OE1PPA	"	34,800	141	46	70
*OE7GJ	"	28,544	170	40	88
*OE8TED	"	6,305	74	21	44
*OE2UKL	28	25,200	154	22	41
*OE5HIL	"	868	17	14	17
OE3KAB	AA	947,630	1346	93	293
OE2LCM	"	464,744	778	84	260
OE3DXA	"	414,375	597	90	285
OE4VIE	"	246,477	785	63	168
OE2GEN	"	14,850	103	29	70
OE8Q	28A	94,713	405	30	101
					(OP:OE8SKQ)
OE3GSA	21A	159,600	449	37	113
OE6IMD	1.8A	90,915	918	17	70
*OE9MDV	AA	147,800	531	52	148
*OE9MON	"	20,406	89	39	75
*OE2M	21A	12,122	154	13	16
					(OP:OE2WPO)

Azores

CR2X	A	11,839,500	7209	165	585
					(OP:OH6KZP)

Balearic Islands

EA6XQ	A	73,470	207	62	124
EA6SX	21	763,256	2503	39	125
*EA6ZS	A	86,699	330	51	130
EA6URA	28A	602,872	1662	36	143
EA6UP	"	265,936	755	35	141
EA6FO	14A	916,800	2507	39	152
					(OP:EA5BM)

Belarus

EU1A	A	3,000,540	2507	147	498
EW7EW	"	324,465	765	78	213
EW1EA	"	107,492	453	39	115
EU7SR	"	38,610	132	48	87
EU7A	"	3,510	28	17	28
EW7LO	7	271,998	1197	31	107
EW8DD	3.5	29,032	321	15	61
*EW1IP	A	1,035,362	1261	116	371
*EW6CU	"	520,674	1122	94	249
*EU6AA	"	448,704	1196	73	231
*EW3AAM	"	399,924	1277	62	214
*EW8OF	"	335,587	1057	58	193
*EW2AO	"	231,840	751	54	186
*EW8OG	"	181,883	624	58	163
*EU4CQ	"	140,880	356	70	170
*EW6EN	"	60,048	333	30	109
*EW8OW	"	59,817	175	47	110
*EW7KF	"	34,398	203	33	93
*EW1NM	"	27,756	149	36	72
*EU3AC	"	23,184	134	40	86
*EW7LE	"	16,926	101	31	60
*EW2BO	"	13,038	76	36	46
*EU6AF	28	53,431	226	31	88
*EW3LN	"	47,520	212	27	69
*EW8KY	"	13,629	75	21	56
*EW6FX	14	24,276	269	15	53
*EV6Z	7	78,174	583	24	77
*EU2EU	3.5	70,012	624	19	73
*EU1AI	"	67,322	698	17	65
*EW8RR	1.8	5,720	137	8	36
EW2A	AA	3,812,225	2629	163	612
EV1R	"	2,906,990	2389	164	581
EW8DX	"	1,497,499	2146	117	382
EW8OM	"	275,704	702	72	214
EW2MA	"	51,604	217	46	87
EU1TX	"	29,718	93	44	83
EW8DJ	"	17,922	65	45	58
EW1BA	"	3,640	49	16	36
EU1AZ	28A	133,802	382	33	116
EU5M	14A	226,304	1055	33	103
					(OP:EW7BR)
EW1FM	7A	8,225	135	8	39
EU3AR	1.8A	79,790	902	15	64
*EU3AA	AA	181,324	484	68	218
*EW8CF	"	113,096	394	60	151
*EW4DX	28A	21,725	103	26	53
*EU4AA	21A	45,475	203	29	78
*EU1DX	14A	244,449	822	36	121
*EW6GF	"	80,280	615	21	69
*EW7DK	7A	75,600	501	24	84
*EW7SM	3.5A	25,114	412	10	48

Belgium

ON4RFA	A	1,355,082	1634	119	384
					(OP:OQ3R)
OP4B	"	63,570	287	49	114
*OO4O	A	608,572	905	95	258
*ON3ND	"	284,952	740	60	188
*ON4CT	"	61,166	393	32	87
*ON4KNP	"	40,040	160	43	67
*ON6LO	"	17,854	162	20	59
*OP7B	21	193,736	803	28	94
*ON4LDP	7	61,913	477	22	79
OQ5M	AA	4,411,224	3766	140	482
					(OP:ON5ZO)
OT1A	"	3,259,736	2822	144	410
ON4IA	"	3,168,963	2582	147	474
ON7TK	"	1,324,056	1355	134	382
OQ5A	"	1,068,921	1451	89	272
ON4ALY	"	143,068	469	51	137
ON6NL	"	39,744	109	55	89
ON5IO	"	5,244	90	15	54
ON4WW	28A	452,741	1220	36	137
					(OP:OM3TZZ)
OQ4U	"	141,875	463	30	95
ON5KQ	7A	150,012	480	35	127
OR2A	3.5A	199,980	1312	19	91
					(OP:ON1CB)
*OR2F	AA	3,280,082	2517	158	539
*ON4CAS	"	955,916	1211	103	300
*OO9O	"	203,750	617	62	188
*ON6FC	"	158,712	418	60	144
*ON4VMA	"	35,574	235	30	91
*ON6AT	"	20,418	136	28	55
*IZ1SGO/ON8	"	180	16	6	12
*OQ4B	28A	78,318	268	30	84
					(OP:ON4BHQ)
*ON7XN	"	12,528	123	19	35
*OP4A	21A	198,716	615	36	115
*OO7J	14A	7,144	101	15	32
*OO7B	7A	1,470	39	9	26
					(OP:ON7BS)

Bosnia-Herzegovina

E75MC	A	35,048	147	37	67
E73W	21	749,120	2236	37	123
E71A	3.5	470,448	2166	27	117
*E77O	A	124,424	299	67	139
*E71BA	"	12,350	121	27	38

*E77R	21	181,545	668	33	100
*E74GZ	"	17,464	199	14	45
*E7ØM	14	164,654	725	30	103
*E71W	"	91,320	488	29	91
*E79SD	7	41,616	416	17	51
*E75A	1.8	25,114	499	11	47
E71DX	AA	270	11	6	9
E73M	28A	671,784	1632	37	147
E74WN	3.5A	170,577	1357	17	82
*E74A	28A	296,592	816	35	132
*E74Y	21A	289,380	928	38	121
*E71EEE	"	1,400	37	15	20

Bulgaria

LZ1DQ	A	409,792	1018	86	251
LZ1ZJ	"	336,640	655	85	235
LZ2CC	"	287,028	846	53	148
LZ1GE	"	203,988	591	69	198
LZ2PG	"	127,516	331	59	83
LZ2JR	"	6,448	69	17	35
LZ1AQ	14	197,274	819	35	112
LZ2PT	"	414	19	8	10
*LZ8E	A	4,178,304	3728	148	500
		(OP:LZ2BE)			
*LZ1IKY	"	258,382	613	74	200
*LZ5VV	"	225,456	527	77	187
*LZ1OJ	"	173,886	436	59	160
*LZ1KP	"	96,624	296	55	128
*LZ1ZM	"	48,000	297	32	88
*LZ3TL	"	15,323	144	26	51
*LZ1XL	"	3,933	33	25	32
*LZ1MDU	"	2,596	33	16	28
*LZ4BU	"	336	10	5	7
*LZ1CF	28	47,565	234	31	74
*LZ2HR	"	44,280	285	22	60
*LZ1IA	"	17,174	140	20	42
*LZ1EP	"	3,154	67	15	23
*LZ9R	21	433,600	1400	35	125
		(OP:LZ3YY)			
*LZ7A	"	255,045	939	34	113
		(OP:LZ1RF)			
*LZ2JA	"	99,325	328	35	102
*LZ3PZ	"	32,042	247	21	53
*LZ3YV	"	594	28	9	18
*LZ2PS	7	206,955	1050	27	108
*LZ1HW	"	18,328	81	25	54
*LZ1MC	3.5	20	4	2	3
*LZ3YY	1.8	33,969	442	14	53
LZ2HA	AA	608,295	1123	96	283
LZ1YE	"	8,758	101	15	43
LZ5ZI	"	5,192	40	26	33
LZ2HM	28A	374,289	1013	36	143
LZ1NG	"	242,373	668	36	137
LZ4ØYE	"	13,300	84	25	45
LZ7J	"	3,900	44	18	32
		(OP:LZ1CI)			
LZ4RR	14A	451,840	1778	36	124
LZ3ZZ	"	170,352	854	30	87
LZ1QZ	"	7,830	133	12	42
LZ9Z	7A	7,152	131	11	37
LZ7R	3.5A	26,130	390	11	54
		(OP:LZ1CL)			
LZ2ZG	1.8A	3,384	70	8	39
*LZ1FH	AA	625,356	1321	83	265
*LZ1ONK	"	594,638	995	90	268
*LZ3V	"	107,360	348	51	125
		(OP:LZ1NY)			
*LZ2FQ	"	74,740	180	79	123
*LZ2DJA	"	67,554	326	35	104
*LZ1QV	"	54,000	163	48	102
*LZ1VQ	"	1,869	34	11	10
*LZ2DF	28A	17,808	97	25	59
*LZ1ZP	21A	139,860	378	35	113
*LZ1GEN	14A	58,140	432	22	80
*LZ4AE	7A	43,428	377	19	65
*LZ2CM	"	22,336	253	14	50
*LZ2SC	3.5A	165,438	993	23	103

Corsica

*TK4/IZ1GZT	A	130	10	6	7

Crete

SV9COL	AA	442,784	612	101	303
SV9DJO	28A	13,552	197	10	34

Croatia

9A5K	A	5,598,452	4708	149	465
9A4U	"	504,336	883	84	220
		(OP:9A4BQ)			
9A3IH	14	473,427	2034	32	91
*9A2GA	A	430,461	768	83	238
*9A2HQ	"	299,022	555	79	179
*9A3QB	"	195,960	512	61	152
*9A3SM	"	63,899	197	57	100
*9A4W	"	39,900	108	48	92
*9A3ZC	"	32,591	162	42	67
*9A7DCK	"	20,256	153	28	68
*9A4MF	"	198	6	5	6
*9A3VM	28	301,240	991	33	103
*9A5ST	"	104,013	410	33	94
*9A1AKL	14	1,768	38	8	18
		(OP:9A3NU)			
*9A5V	7	53,618	466	18	65
*9A4BA	"	42,500	319	16	69
*9A2XW	"	3,375	91	10	35
9A4WY	AA	1,529,645	1268	149	356
9A2JK	"	302,088	540	86	221
9A6OY	"	107,724	313	49	142
9A8A	"	55,713	206	45	102
9A4M	28A	525,576	1314	37	146
9A1CCY	21A	880,785	2145	39	146
		(OP:9A7DX)			
9A5D	"	450,216	1444	38	131
		(OP:9A3ID)			
9A2U	3.5A	346,140	1739	29	106
		(OP:9A2R)			
*9A8W	AA	1,080,027	1254	112	347
*9A3KS	"	201,448	355	94	204
*9A3TU	"	86,715	232	56	149
*9A5F	"	32,480	140	42	98
*9A5YY	"	459	12	8	9
*9A2NO	28A	126,280	327	35	119
*9A7ZZ	"	14,690	97	22	43
*9A3LN	7A	17,325	156	19	58
*9A2AJ	1.8A	49,802	701	12	62

Czech Republic

OK8DD	A	1,065,456	1277	108	333
OK2PDT	"	997,326	1333	99	315
OK2EQ	"	718,254	1107	101	322
OK2ABU	"	573,954	1072	88	243
OK1FRO	"	510,842	950	87	239
OK7FL	"	433,608	1098	78	189
OK1AMF	"	263,088	444	91	245
OK2KR	"	250,258	310	120	194
OK1DCS	"	162,378	291	91	188
OK4MM	"	37,944	215	33	91
OK1AYY	"	29,318	167	30	77
OK1VD	28	196,350	545	35	130
OK1XC	"	135,375	553	29	96
OK1IE	21	84,375	312	34	91
OK1MBZ	"	61,020	257	30	83
OK5T	14	157,412	964	28	64
		(OP:OK1DM)			
OK6CX	"	39,783	265	21	68
OL6T	7	334,719	1537	30	117
		(OP:OK1DCF)			
OK1FZM	"	210,798	926	32	115
OK2SAR	"	57,722	423	22	76
OL8M	3.5	509,808	2130	33	119
		(OP:OK1DRQ)			
OK1EP	"	56,580	540	15	67
OK1KDG	"	1,008	43	5	19
OK5AX	1.8	36,294	547	13	56
		(OP:OK1AXB)			
OK1DM	"	35,624	596	12	49
OK5ET	"	30,736	410	11	57
OK1HFP	"	9,360	187	7	41
*OL6P	A	2,685,930	2358	139	443
		(OP:OK2PP)			
*OK7AW	"	788,640	1926	81	237
*OK1DKR	"	724,584	995	102	297
*OK1CRM	"	569,160	1056	103	269
*OK1BA	"	509,376	1002	91	245
*OK2SGW	"	505,375	972	79	246
*OK1HEH	"	456,141	982	75	246
*OK2TBC	"	451,188	727	88	244
*OK2EA	"	436,160	922	80	240
*OK2SGY	"	333,396	658	83	211
*OK1FCA	"	264,095	751	52	169
*OK1MKU	"	261,175	439	89	248
*OK2BLD	"	230,127	616	63	174
*OK1MZO	"	212,076	501	79	195
*OK1AXA	"	175,225	526	62	153
*OK1AWC	"	164,220	421	68	162
*OK1UKV	"	164,034	593	58	176
*OK1DRX	"	149,720	404	60	137
*OK2BNF	"	147,528	484	52	164
*OK2HFC	"	123,101	404	57	152
*OK2BND	"	115,920	359	55	152
*OK1EV	"	109,990	362	52	118
*OK1BLU	"	95,200	373	56	168
*OK2VX	"	91,044	332	48	114
*OK1AOU	"	85,902	322	63	143
*OK1DKO	"	85,785	263	53	76
*OK2BWB	"	84,780	262	55	102
*OK2PBG	"	83,366	236	52	94
*OK2BV	"	81,164	341	57	140
*OK2BDF	"	63,342	286	43	110
*OK2BNC	"	47,360	167	50	98
*OK2KFK	"	42,976	274	33	103
*OK2KG	"	29,145	130	36	51
*OK2SWD	"	23,552	160	30	62
*OK1ANP	"	21,692	126	41	75
*OK2FQZ	"	19,125	105	34	51
*OK2BJ	"	18,518	67	43	51
*OK/LZ3SF	"	7,084	62	27	50
*OK1HL	"	6,868	109	20	48
*OK1UFM	"	4,482	69	17	37
*OK1DSX	"	3,808	37	21	35
*OK1DDV	"	3,481	90	17	42
*OK1NE	"	1,320	44	6	24
*OK2QX	28	85,272	309	33	99
*OK1DEK	"	28,272	171	23	53
*OK1TFH	"	13,578	114	22	40
*OK2VWB	21	262,668	702	35	124
*OK1CZ	"	198,303	641	34	113
*OK1MMN	"	19,404	155	17	49
*OL6A	"	16,254	133	17	37
		(OP:OK1SKJ)			
*OK3MO	"	14,672	138	19	37
*OK1JD	14	171,008	821	31	97
*OK2HIJ	"	98,197	516	28	85
*OK1FGD	"	78,015	531	25	80
*OK2PQS	"	54,180	380	18	68
*OK2SSJ	"	37,725	366	16	59
*OK1JVT	"	18,546	298	15	51
*OK2TDM	7	80,443	516	21	82
*OK1HCG	"	80,200	537	21	79
*OK2BRS	"	78,111	609	20	79
*OK1SI	"	60,135	441	18	77
*OK1MZB	"	36,267	371	15	62
*OK2BJL	"	35,948	262	18	68
*OK2TEO	"	8,586	151	10	43
*OK/OM3CNF	"	3,977	112	9	32
		(OP:OM3CNF)			
*OL4W	3.5	101,106	1111	15	67
		(OP:OK1IF)			
*OK2HBR	"	61,841	781	15	56
*OK1FC	"	12,350	149	12	53
*OK1JOK	1.8	11,270	255	7	42
*OK1ATP	"	2,597	53	9	44
*OK1KZ	"	1,782	52	5	28
OL3R	AA	3,391,500	2468	155	545
		(OP:OK1VWK)			
OK7Y	"	2,325,866	2162	145	486
		(OP:OK1FDY)			
OL5Y	"	2,319,282	1580	154	557
		(OP:OK1FUA)			
OK1DG	"	1,837,945	1746	138	427
OK2BXE	"	1,705,536	1696	135	432
OK2ZO	"	1,442,110	1097	132	446
OK6DJ	"	615,000	980	96	232
OK2PF	"	425,353	727	95	272
OK2PCL	"	335,104	516	78	146
OL7O	"	285,508	653	71	203
		(OP:OK1FIK)			
OK1FAV	"	224,808	394	73	155
OK1AOV	"	184,363	527	61	202
OL5M	28A	295,314	808	35	131
		(OP:OK1GI)			
OK1FPG	"	236,980	655	37	127
OK1DZR	"	209,151	720	33	120
OK1NI	"	134,487	357	33	120
OK1LO	"	24,320	157	20	60
OK8WW	21A	866,570	1965	39	154
OK1IC	"	605,924	1446	39	149
OK5MK	"	450,642	1045	37	140
OK1KT	"	167,833	456	37	120
OK1FAO	"	1,748	45	11	12
OK7M	14A	744,282	2064	39	140
		(OP:OK1DIG)			
OL9Z	"	654,900	2078	38	139
OK7K	"	460,840	1587	38	126
		(OP:OK1NS)			
OK1AWZ	7A	463,806	1758	35	127
OK1UG	"	304,423	1208	34	123
OK2BYW	3.5A	468,802	1741	34	123
OK1DQT	"	51,205	387	19	76
OK1T	1.8A	43,792	617	13	55
		(OP:OK1TP)			
OK1IW	"	40,641	583	11	58
*OK1TD	AA	239,134	358	81	185
*OK7MT	"	236,281	365	77	200
*OK1ABF	"	57,436	238	44	129
*OK2CMW	"	48,789	195	45	94
*OK2HZ	28A	9,048	58	16	36
*OK7T	21A	171,384	488	36	112
		(OP:OK1FHI)			
*OK6RA	14A	367,131	1340	35	124
*OK1AY	3.5A	83,066	898	15	67

Denmark

OZ1LO	A	2,835,009	2885	127	404
OZ4O	"	1,738,240	2158	111	374
OU2A	"	917,088	1033	114	378
		(OP:OZ7RQ)			
OZ8SW	"	589,056	897	92	292
OZ7EA	"	405,648	696	79	234
OZ5BD	"	393,900	813	80	220
OZ1KEF	"	369,292	583	91	217
OZ4KG	"	144,272	567	64	190
OZ6AGX	"	142,324	435	53	168
OZ2BKK	"	103,600	308	60	140
OZ1OP	"	1,620	79	25	35
OZ1HX	7	60,840	251	30	100
OZ2TF	3.5	38,994	540	12	55
OZ7JZ	"	32,720	312	16	64
*OZ3SM	A	289,170	725	73	233
*OZ1AAR	"	255,024	640	64	212
*OZ5UR	"	73,780	243	51	119
*OZ5WQ	"	62,403	284	51	132
*OZ1JFK	"	37,465	175	39	88
*OZ1DGQ	"	9,779	94	24	53
*OZ4FF	28	12,455	114	15	38
*OZ7DK	"	4,920	47	14	27
*OZ4QX	"	18	3	1	1
*OZ7BQ	21	84,588	359	25	81
*OZ1NF	"	6,954	56	23	38
*OZ7QB	3.5	50	6	4	6
*OZ6KS	1.8	36	8	3	6
OZ/DK5QN	28A	40,110	305	16	54
OZ1AXG	7A	19,440	130	20	60
5P3WW	3.5A	238,612	1576	24	92
*OZ4RT	AA	24,985	141	32	63
*OZ1DJJ	21A	102,904	318	34	118
*OZ4UN	3.5A	82,026	709	17	76

Dodecanese

*SV5DKL	A	136,467	573	44	133
*SV5BYR	28A	236,880	1287	30	96

England

M7A	A	3,077,762	3125	119	383
		(OP:LY4Y)			
G3XTT	"	2,982,287	2876	119	420
G3RXP	"	2,270,376	2712	105	309
M3I	"	1,431,300	2189	89	278
		(OP:GØORH)			
G3SJJ	"	692,325	1167	70	185
MØVSQ	"	575,082	1349	59	199
		(OP:MØPCB)			
G3ZGC	"	462,051	823	78	249
G4SGI	"	420,072	842	69	207
G4HZV	"	253,232	501	69	169
G4LPD	"	201,745	466	62	195
G3SVL	"	187,458	466	59	140
GØEFO	"	162,500	363	67	183
G4IUF	"	139,944	293	70	168
G3SVK	"	60,348	220	46	95
G3OAY	"	46,008	174	41	67
G4OJB	"	27,559	147	40	87
G4AMT	"	25,666	139	34	48
G4DRS	"	11,016	51	32	49
GØOKF	"	6,720	98	25	55
G4FNL	"	6,318	100	17	37
M3C	28	81,356	454	22	64
		(OP:GØVQR)			
GØBNR	"	48,852	168	32	106
M3W	21	468,573	1407	36	123
		(OP:G4FAL)			
G3VYI	14	51,612	489	19	47
M5O	1.8	114,062	1054	14	68
		(OP:G3LET)			
G4RGK	"	7,990	161	7	40
*G3R	A	669,604	1201	75	241
		(OP:GØDCK)			
*GØHVQ	"	617,202	1123	75	231
*G4DDL	"	562,700	954	77	254
*G4DDX	"	388,920	813	69	211
*G3KKP	"	365,848	709	68	210
*G3RLE	"	353,856	633	75	229
*G3NKS	"	323,890	754	64	181
*G3RSD	"	152,295	498	53	160
*G3RTU	"	121,095	376	48	147
*G3IAF	"	109,740	247	67	169
*MØRYB	"	98,736	315	54	122
*2EØZSE	"	40,748	224	28	94
*G2HDR	"	36,703	227	35	92
*G3WRR	"	23,147	123	33	46
*MØNQN	"	21,420	104	30	72
*MØTCL	"	7,029	70	25	46
*G3XMM	"	6,969	53	26	43
*GØMDR	"	56	6	3	4
*G4FKA	28	56,625	319	22	53
*G3IZD	"	27,450	205	17	58
*MØOSH	"	15,402	140	16	35
*G4OTU	"	2,838	61	12	21
*G3XLG	"	2,000	39	13	27
*G3GLL	21	29,664	125	28	75
*G4C	14	88,396	801	22	60
*GØRRM	"	28,044	323	18	58
*G4MEM	"	11,600	161	14	44
*G7DDN	3.5	2,590	76	7	28
G3TBK	AA	2,999,736	2271	151	532
G6T	"	994,336	1278	97	271
		(OP:G4MKP)			
G4KFT	"	556,818	891	80	229
G4KMH	"	399,737	688	79	238
G3KLH	"	305,370	957	43	152
G3UHU	"	113,226	269	68	158
M2G	"	70,495	355	34	81
G4BJM	"	70,488	304	37	62
G4RKO	"	66,312	409	25	83
GØAZH	"	51,030	250	39	96
GØGFQ	"	44,187	129	54	89
MØAAC	"	43,292	289	47	111
G4PIQ	"	32,922	143	41	77
G3YQA	"	31,284	168	27	39
G3YEC	"	27,004	168	30	56
MØDDT	"	12,190	85	47	68
G6VMR	"	10,360	66	28	46
G3TXF	28A	724,314	1726	36	147
G3PJT	21A	329,824	866	38	138
MØVKY	"	46,659	251	29	74
G6AY	"	39,606	135	34	104
		(OP:G3RTE)			
G3RTE	"	33,390	133	29	97
G3VPW	7A	205,618	1055	29	104
G4IIY	3.5A	215,644	1327	21	95
*M5E	AA	2,112,515	1890	140	461
		(OP:GØCKV)			
*G4WGE	"	415,950	899	65	217
*G4MKR	"	352,248	618	84	228
*G3ZRJ	"	349,700	762	66	194
*G3XVR	"	337,680	427	89	271
*G8APB	"	301,035	481	97	232
*G4CMQ	"	156,825	345	72	183
*G4CLA	"	147,630	332	63	147
*MØCKE	"	125,130	311	56	138
*G4FSU	"	100,296	258	49	119
*GØVDZ	"	96,460	275	57	155
*MØNIE	"	60,300	345	39	111
*MØMDR	"	27,504	157	27	45
*2E1FVS	"	12,650	96	24	31
*G3VKW	"	11,340	81	25	38
*MØBJL	28A	245,952	774	32	112
*G3KNU	"	13,986	120	15	39
*MØNDZ	21A	27,300	183	19	51
*M6W	14A	287,550	1186	34	108
		(OP:GØDEZ)			
*G1N	7A	51,175	399	18	71
		(OP:G3MZV)			

Estonia

ES5TV	A	5,230,990	4653	156	475
ES2MC	14	584,592	2053	33	119
ES2JL	1.8	2,485	90	5	30
*ES1WST	A	728,945	1107	86	327
*ES5DB	21	2,346	38	9	25
*ES7FU	1.8	8,268	214	5	34
ES1TU	AA	894,830	1238	97	333
ES2TI	"	362,637	579	105	302
ES4RD	7A	80,746	611	25	69
ES4RX	3.5A	35,997	483	12	59
ES2DJ	"	21,775	294	13	54
*ES6Q	AA	2,881,088	1739	176	650
		(OP:ES5RY)			
*ES5TF	"	200,344	384	94	223
*ES2BH	"	30,098	200	27	74
*ES2MA	"	17,850	96	31	39
*ES3X	21A	84,600	326	31	110
		(OP:ES2NA)			
*ES8DH	3.5A	7,434	175	7	35

European Russia - District 1

RV1CC	A	633,996	868	106	290
UA1CE	"	432,179	764	97	292
RM1Z	"	425,630	947	92	218
RX1CQ	"	208,012	399	76	190
RA1CP	"	97,173	327	51	132
RA1OD	"	94,990	186	70	160
UA1ORT	"	31,750	131	42	83
RA1ZC	28	880	48	5	15
R1NA	14	157,536	866	33	111
*UA1QM	A	1,953,000	2016	141	479
*UA1CUR	"	782,880	1248	95	325
*RA1AL	"	696,003	1150	96	297
*RK1NA	"	322,952	689	74	218
*RW1AM	"	321,792	473	96	288
*RW1CX	"	232,000	375	81	239
*UA1TGQ	"	223,750	515	64	186
*RW1AI	"	192,096	377	78	210
*RZ1OK	"	185,101	460	50	167
*RA1WA/1	"	175,750	407	66	184
*UA1OM	"	112,930	273	58	172
*UA1AAF	"	93,366	341	46	136
*UA1NFA	"	84,328	296	47	119
*RU1ZC	"	76,384	373	34	90
*UA1OJL	"	70,175	210	55	120
*R1AL	"	53,583	211	50	109
*UA1ORL	"	48,128	278	34	94
*UA1CEC	"	36,772	318	21	95
*RA1ALZ	"	28,820	125	35	75
*RZ1AU	"	27,370	177	37	82
*RZ1AWD	"	6,622	103	29	57
		(OP:RD6YY)			
*UA1CAK	"	6,426	42	23	28
*UA1OMB	"	5,265	51	34	47
*UA1ZNP	"	3,315	66	18	21
*R1AUR	"	2,494	30	14	29
*RW1QQ	"	736	12	11	12
*UA1ACQ	"	648	20	11	16
*R1OO	"	437	10	9	10
*RA1OHM	"	66	8	5	6
*RA1OT	21	146,784	737	30	102
*UA1ZZ	14	362,208	1573	29	83
*R1NW	"	157,184	719	32	96
*UA1ATD	"	17,700	247	14	45
*RU1QQ	7	96,624	520	29	93
*UA1OEX	"	22,372	226	16	52
*RA1AKR	"	12,844	119	15	61
UA1OMS	AA	2,090,361	2311	144	445
R1DX	"	1,159,323	1390	131	342
RC1NC	"	283,340	633	82	228
UA1ANA	14A	418,876	1434	35	122
RO1B	"	302,358	1210	36	125
RZ1O	"	6,328	91	14	42
*RA1QD	AA	1,093,590	1219	112	410
*RA1TV	"	346,087	752	74	269
*RK1AQ	"	179,200	508	66	158
*RA1CE	"	79,380	248	58	152
*UA1ZLN	"	71,020	297	37	97
*RW1QM/1	"	11,218	101	24	55
*RK1AX	"	3,015	28	19	26
*UA1ODM	14A	22,989	135	20	59

European Russia - District 3

UA5B	A	4,044,418	4125	154	460
RM3F	"	3,346,460	3315	147	463
		(OP:UA3DPX)			
R3FX	"	1,577,268	2401	117	345
R3ZV	"	1,341,615	1738	127	392
RV3F	"	961,870	1501	99	356
UA5D	"	774,648	1155	105	319
R3OM	"	584,600	1090	89	306
UA3QGT	"	573,268	1024	106	291
R3QF	"	265,965	348	119	238
RA3D	"	262,845	535	81	214
UA3DUJ	"	214,830	409	88	191
RV3FT	"	161,595	234	105	180
RN5AA	"	160,395	289	86	169
RW3XM	"	155,496	442	66	143
R3QN	"	142,188	534	70	176
R2DW	"	138,355	271	75	220
RZ3DN	"	101,911	366	51	172
RW3WX	"	100,448	348	46	126
UA3TJF	"	72,576	252	62	130
RT5X	"	68,623	243	50	113
RN3OQ	"	60,635	296	50	131
RV5K	"	57,771	198	52	95
UA3P	"	36,584	161	40	96
RU3DX	"	35,462	223	28	91
RD3QA	"	31,920	163	51	89
RT3I	"	22,912	219	20	44
RA3IS	"	12,699	69	30	53
R3CW	"	10,080	74	25	55
RA3SL	"	7,935	45	27	42
RD3AEF	"	5,546	80	17	42
UA3LAR	"	2,613	26	20	19
UA3YQL	"	2,310	22	14	21
RA3QJ	"	2,173	23	19	22
UA5F	"	1,365	21	14	21
RK3AWB	"	592	35	11	26
RA3MU	28	93,574	351	30	92
RT3A	"	65,968	258	30	103
RZ3AV	"	34,749	185	24	75
RL2A	"	3,116	42	15	23
RZ3VA	21	212,858	764	32	110
RX3AW	"	64,285	279	27	88
RA5B	14	52,152	338	29	77
RZ3QM	7	90,250	573	30	95
RA3ST	"	30,485	209	23	68
UA3DPM	"	8,241	106	13	28
RA3FD	3.5	90,404	728	18	79
RK3ZZ	1.8	66,332	594	18	74
RW3DA	"	7,520	148	9	38
RM5O	"	3,852	120	7	29
*RC5A	A	1,487,469	1925	118	383
*RV3QO	"	917,415	1390	104	331
*R3QA	"	909,194	1704	86	288
*RV3ZN	"	903,294	1271	123	346
*RN3ADV	"	617,013	995	99	284
*RM3Z	"	614,190	1166	92	255
*RA3BQ	"	514,624	540	116	357
*RW3FR	"	445,422	624	93	273
*RA5FB	"	427,232	801	84	232
*RL3DZ	"	391,956	606	102	265
*UA3DCW	"	353,910	714	73	209
*RA3XCZ	"	336,810	794	68	241
*UA3UAT	"	311,220	459	88	227
*RY5WH	"	294,336	461	85	251
*RZ3GV	"	293,550	642	80	229
*UA3DA	"	264,252	374	103	258
*RN3ZIC	"	247,428	435	82	234
*UA3VLO	"	246,400	495	69	211
*RU3DU	"	238,276	584	73	211
*RM2T	"	232,044	713	62	182
*RU3VV	"	223,860	565	65	181
*RN3DMU	"	170,789	868	47	186
*RU3UW	"	159,750	590	49	176
*RL3Q	"	158,627	509	52	165
*RD3AD	"	157,464	603	50	166
*UB3DAO	"	156,744	334	71	181
*RU3XB	"	147,864	381	66	178
*RN3ZR	"	138,415	304	80	155
*R2UZ	"	133,332	264	90	156
*RU3XY	"	131,716	402	54	167
*RV3YR	"	122,928	348	61	147
*RK3RX	"	122,840	513	48	137
*RA3MD	"	122,472	485	58	185
*RD3AB	"	117,334	357	53	150
*RM3P	"	108,040	436	42	143
*UA3TN	"	101,565	390	44	139
*RA3VE	"	99,684	338	56	157
*RW3DOX	"	88,218	397	38	131
*UA3AMZ	"	82,360	407	45	97
*RO2DX	"	76,416	439	44	155
*RN3DMB	"	71,004	277	56	138
*UA3T	"	64,605	148	79	98
*RD3AL	"	63,474	262	46	103
*R2PT	"	55,350	190	42	108
*RL3DV	"	50,445	190	51	120
*UA3DCE	"	49,368	274	33	103
*RN3ZC	"	45,150	173	48	102
*RK3IM	"	43,776	245	31	83
*RN3DKQ	"	39,198	106	56	83
*RN3DHB	"	39,060	223	32	108
*R3VL	"	38,740	200	40	109
*RZ3DC	"	28,441	103	46	73
*RZ3QZ	"	27,336	92	52	82
*UA3XAC	"	27,206	98	48	74
*UA3DSS	"	26,030	90	57	80
*RN3DDR	"	25,531	130	35	86
*RX3MM	"	22,624	95	42	70
*RA3WUG	"	22,116	161	30	84
*RW3LX	"	20,700	82	40	50
*RX3AGQ	"	18,870	128	24	61
*R3XAA	"	16,320	77	41	61
*R3OR	"	16,132	118	32	77
*RA3TV	"	16,038	72	36	45
*RW3LL	"	13,937	75	31	46
*RN3DHL	"	13,244	87	29	57
*UA3YFL	"	10,726	92	20	42
*RA3SS	"	6,336	42	28	38
*UA3YDI	"	5,824	113	16	48
*UA3H	"	4,559	41	19	28
*UA3XAG	"	4,386	52	18	33
*RU3MW	"	3,363	60	17	40
*RN3QIS	"	1,716	32	13	26
*RA3AGF	"	812	18	12	17
*RU3DZ	"	713	31	13	18
*RD3ADC	"	667	25	6	17
*UA3DCM	28	22,278	154	21	58
*UA3EKX	"	7,248	59	18	30
*RW3VA	"	6,710	48	24	37
*UA3RN	"	6,090	54	23	35
*RA3XO	"	5,031	39	17	26
*R3AA	"	2,021	35	17	26
*UA3ABJ	21	190,200	638	33	117
*UA3XAO	"	131,604	598	30	102
*RN3DKE	"	42,210	236	26	79
*UA3QR	"	16,060	123	21	52
*RA3DGH	"	15,780	187	15	45
*U3DI	"	9,308	105	14	38
*RU3SD	14	155,952	537	36	116

*RA3UAG	"	137,193	562	32	109
*RY3F	"	113,040	583	28	92
*RV3DHC	"	748	28	6	16
*RX3DFL	7	12,545	111	16	49
*RU3ATJ	"	567	19	7	14
*RZ3AMW	3.5	41,205	549	11	56
*UA3AKI	"	26,962	398	10	51
*RV3MR	"	6,888	134	7	35
*RA3EC	"	5,300	92	10	43
*RD3PX	1.8	9,798	198	7	39
*RM5Z	"	9,259	200	8	39
*RV3A	"	2,442	74	5	28
RM2U	AA	4,493,186	2997	176	633
					(OP:RU3UR)
RT3T	"	1,480,518	1246	153	513
RA3NC	"	1,386,492	1848	116	400
RU5A	"	1,269,350	1690	108	371
RA3DNC	"	798,150	799	124	386
RA3TT	"	681,471	997	94	279
R3BM	"	634,680	632	126	304
R3AT	"	529,176	603	107	301
R3LA	"	454,104	484	140	337
RZ3QS	"	445,016	735	101	288
RC3F	"	339,918	828	76	237
R5AJ	"	263,940	582	72	193
RW3SK	"	133,627	275	91	156
RA3YC	"	128,501	500	47	104
RL3T	"	117,924	418	44	142
R3QX	"	110,966	185	86	140
R3BA	"	105,635	202	62	123
RJ3A	"	101,010	403	53	142
RV3TG	"	87,890	291	50	120
RX3AEX	"	68,328	340	35	111
RA3UT	"	66,600	200	64	116
RA3EA	"	33,319	112	59	84
RZ3AUL	"	29,328	89	56	85
UA3SAQ	"	24,282	93	43	71
RK3BA	"	13,360	114	20	60
UA3EAY	"	9,490	51	27	46
UA3QNS	"	1,274	17	10	16
RT5Z	21A	677,556	1594	39	159
RZ3BW	"	538,656	1497	38	148
RY3D	7A	378,224	1226	37	139
R3KM	"	270,206	870	38	129
RA3A	3.5A	224,403	1314	28	103
					(OP:RZ6LJ)
RA3M	"	61,074	568	15	72
RM5P	"	21,846	294	12	54
RT3N	"	21,033	308	10	47
UA3RF	"	7,380	114	10	50
RK3SWB	1.8A	93,296	758	19	79
					(OP:R3S-367)
RZ3DX	"	22,338	291	15	58
R3VA	"	8,736	166	7	41
*RG5A	AA	1,718,576	1707	135	457
*R2ØBIS	"	674,084	1438	101	290
					(OP:RU9WZ)
*R5DT	"	494,433	771	113	288
*R3LB	"	492,100	991	77	273
*R3PA	"	456,338	598	117	284
*RQ3M	"	429,940	660	93	277
*R3RR	"	383,874	595	109	302
*RU3DM	"	318,864	415	103	233
*R2SA	"	297,176	743	54	188
*R2AT	"	210,045	403	75	210
*RK2A	"	166,866	327	75	128
*R3PC	"	152,106	451	82	221
*RA3ID/3	"	152,106	511	50	152
*UA3YLP	"	145,377	428	64	197
*RX3VF	"	86,884	266	56	158
*RW3KO	"	61,712	331	38	95
*RU3ER	"	37,695	260	26	79
*RV3FU	"	37,122	198	29	109
*RN3TT	"	37,050	141	42	88
*UA3UBT	"	34,632	159	34	77
*UA3RW	"	28,600	97	47	83
*RM3DA	"	28,288	176	34	94
*RX3MX	"	17,056	109	38	66
*R3BT	"	14,904	67	35	46
*UA3YCX	"	7,968	70	34	49
*R3EM	"	6,468	74	21	45
*RT3M	"	5,044	35	23	29
*RL3F	"	4,148	48	19	42
*RX3AFE	"	2,639	40	14	15
*RL3FA	"	437	16	5	14
*RA3FH	"	24	2	2	2
*UA3RAW	28A	37,932	139	30	86
*RV3ZQ	"	22,496	153	25	51
*UA3LID	21A	171,216	480	33	131
*RT3D	"	114,452	373	32	110
*UA3WW	"	3,196	44	13	21
*RM5D	14A	334,900	1072	38	132
*UA3QAM	"	111,746	558	31	87
*UA3VVB	"	110,160	409	34	101
*RX3DBG	"	58,114	334	26	72
*RA3SI	7A	186,442	670	34	112
*RK3FY	"	100,352	531	27	101
*UA3AAJ	"	10,360	75	20	50
*RN3BO	3.5A	29,040	421	12	54
*UA3MIF	1.8A	31,781	484	11	50
*R3LC	"	630	36	4	17

European Russia - District 4

UA4W	A	3,766,467	3895	142	459
UA4PN	"	1,544,279	1985	122	395
UA4NCI	"	423,045	845	88	227
RQ4N	"	287,472	527	82	236
UA4AAC	"	274,596	664	72	222
RW4AD	"	155,277	542	50	163
RW4LC	"	84,000	479	35	105
UA4HIP	"	40,866	126	45	102
UA4NC	"	20,511	149	37	92
RA4HT	"	10,790	51	34	49
RW4FE	"	10,480	58	33	47
UA4HRZ	"	5,074	40	18	25
RK4S	28	36,582	214	22	56
RJ4F	"	8,580	106	14	16
RT4F	21	484,345	1551	34	123
					(OP:RK4FU)
RA4LO	7	31,023	243	21	60
RW4WM	3.5	121,952	894	21	82
*UA4CNJ	A	502,165	1101	76	259
*RA4ACX	"	467,020	745	97	283
*RK4YJ	"	375,239	743	94	259
*RX4YY	"	328,614	968	58	228
*RU4SM	"	296,475	699	73	222
*RD4CAQ	"	273,840	658	67	213
*RN4CA	"	234,050	465	89	213
*UA4QK	"	228,285	526	67	200
*RN4HFJ	"	185,310	526	59	202
*RN4ZT	"	173,956	315	81	233
*RA4DR	"	138,075	433	64	199
*RW4LZ	"	130,168	415	56	156
*UA4PCF	"	128,256	389	51	141
*RG4F	"	101,920	678	25	73
*UA4FDL	"	94,140	355	49	131
*R4FA	"	83,916	362	54	168
*RU4LM	"	80,370	291	45	126
*UA4PAQ	"	75,978	291	50	139
*RX4HB	"	63,873	339	38	113
*RA4CBN	"	46,948	152	46	75
*RK4PA	"	46,400	146	51	94
*UA4HJ	"	35,136	183	36	86
*RA4DB	"	34,580	178	36	104
*RU4CR	"	29,659	134	46	87
*RA4LK	"	14,948	83	33	68
*UA4ANZ	"	14,768	89	37	67
*RZ4AZ	"	13,195	93	34	57
*RA4FAU	"	10,350	56	29	46
*UA4FTA	"	2,205	26	15	20
*RA4UAT	"	1,680	29	21	27
*UA4AMZ	"	455	34	11	24
*UA4LU	28	89,088	416	27	89
*UA4SN	"	19,564	147	18	49
*RA4WO	"	3,132	90	10	26
*RU4SO	21	210,041	812	32	119
*RA4I	"	63,246	303	30	97
*UB4AAV	"	57,342	296	28	86
*RV4AS	"	20,367	172	18	55
*UA4LS	"	20,097	191	19	58
*UA4PAY	"	7,155	59	18	35
*UA4RW	14	81,995	462	29	86
*RW4FZ	"	25,272	229	18	63
*RZ4UZ	"	23,832	255	16	56
*RZ4LA	"	16,116	190	16	52
*RA4LBS	"	6,292	118	10	34
*UA4NF	"	1,216	24	15	17
*R4SA	7	208,206	935	30	99
*RU4CO	"	4,365	62	12	33
*RD4F	1.8	15,060	222	11	49
*R4HAW	"	2,816	71	7	25
*RA4FP	"	1,276	36	5	24
RT4RO	AA	4,285,851	3374	162	571
RW4W	"	3,278,272	2932	160	564
RK4FM	"	2,410,010	2297	146	455
RV4AB	"	1,608,552	1749	148	446
RM4R	"	1,312,060	1379	129	449
UA4RF	"	356,201	407	106	285
RW4NY	"	58,718	152	54	103
R4RM	"	57,399	160	64	95
RV4CT	"	2,340	23	16	23
UA4CC	28A	42,412	298	23	69
UA9LAO/4	21A	369,603	1246	35	134
UA4WI	14A	401,280	1497	38	138
RZ4HC	"	93,800	343	33	101
RX4W	7A	99,246	489	28	91
RA4HMT	"	82,077	499	25	84
RK4WWQ	"	29,973	167	23	74
					(OP:RX4WX)
RA4WC	3.5A	147,018	1014	20	87
UA4LCH	"	69,954	474	20	69
RW4NJ	"	48,720	282	25	87
RW4NN	1.8A	2,173	45	12	29
*UA4ALI	AA	990,654	1384	105	353
*R4WDX	"	953,061	1083	115	374
*R4WT	"	577,486	1273	76	258
*RA4HPI	"	380,855	628	99	262
*RD4AF	"	162,322	308	77	200
*RA4LP	"	68,708	296	43	135
*UA4HAZ	"	45,900	127	50	85
*RW4NH	"	17,738	131	33	65
*UA4IR	"	4,104	51	23	31
*UA4PCM	28A	41,952	209	27	65
*RW4WA	21A	134,384	438	31	117
*RN4AM	"	1,000	14	12	13
*UA4LKU	14A	19,635	122	28	77
*UA4FCO	7A	101,244	620	28	90

European Russia - District 6

R7FF	A	379,104	533	92	267
R7AY	"	196,746	353	90	181
RK6YY	"	92,625	189	92	155
UA6AES	"	28,426	134	41	81
RM6AA	"	18,492	142	22	47
UA6AH	"	17,365	181	49	102
UA6JFG	"	9,525	71	24	51
UA6LFB	"	567	24	6	15
RX6AM	28	224,604	790	34	119
RV6YB	14	150,495	721	32	95
RA7C	"	70,920	367	32	88
RA6G	"	48,034	307	28	66
UA6AKD	7	26,228	237	19	64
RA6CA	3.5	114,586	885	18	88
R7NW	"	107,968	745	24	88
R7BN	"	4,838	101	7	34
RU6YJ	1.8	6,664	122	9	40
*UC6A	A	1,352,478	1508	126	397
*UA6GX	"	527,236	804	102	254
*RN6AI	"	397,488	709	79	257
*RA6HSM	"	392,462	806	71	218
*RA6YJ	"	357,000	517	97	260
*RA6FUZ	"	356,499	757	68	209
*UA6JQ	"	340,714	595	94	280
*UA6GF	"	289,289	633	73	216
*RN6A	"	143,880	301	71	149
*RW7M	"	127,920	353	64	131
*RA6MQ	"	123,003	326	83	154
*RA6FPV	"	117,362	501	41	161
*RW6A	"	109,816	328	60	152
*RN6LQ	"	99,820	253	55	106
*UA6HFI	"	86,005	326	42	125
*RA6DT	"	85,376	216	67	117
*UB6ACR	"	84,862	324	34	117
*R6AW	"	83,317	248	70	151
*RZ6DX	"	66,432	204	65	127
*R6MW	"	52,397	238	38	113
*UA6AIR	"	50,478	136	59	82
*RX6FF	"	41,040	241	30	90
*UA6AGK	"	39,556	116	50	74
*UA6HO	"	36,494	112	50	92
*UA6ARR	"	30,368	143	42	62
*RA6XB	"	24,200	120	36	85
*RV6AAA	"	23,278	139	35	78
*UA6AUA	"	15,824	72	36	50
*RA6WF	"	11,088	123	25	47
*RU6C	"	4,464	47	24	38
*RN7G	"	3,332	40	30	38
*UA6ATG	"	1,610	26	20	26
*R7AM	28	89,304	399	29	93
*RX6AOB	"	8,710	60	23	42
*R7MT	21	57,720	336	25	79
*UA6LCJ	14	94,128	559	27	79
*RU6HL	"	6,106	90	26	60
*R6CW	"	3,268	37	13	25
*RK6AX	7	51,330	390	18	69
*R7AC	"	30,276	297	18	69
*RX6LOL	1.8	5,712	115	8	34
R7AW	AA	3,756,832	3433	153	550
RC7A	"	1,767,088	1763	144	473
RA6GW	"	977,063	1000	140	389
R6AF	"	951,548	1267	109	268
RA7A	"	897,600	1076	125	355
UA6G	"	767,113	1289	94	307
R7HF	"	666,257	925	110	353
RA6AN	"	605,570	794	110	300
RM6J	"	467,928	579	110	278
RC6U	"	378,430	554	102	308
RK6HG	"	199,376	352	70	202
RU6M	"	178,752	341	83	221
R7AL	"	135,124	692	39	109
RN7F	"	126,108	557	42	144
RV6LN	"	125,820	253	83	150
RZ6AK	"	83,720	410	40	144
RA6IGE	"	24,522	92	51	83
RA6XV	"	3,172	73	20	41
RT7T	28A	383,732	1353	35	137
RY7G	"	296,148	925	34	140
UA6EED	21A	128,736	473	32	112
UC7A	14A	288,192	1087	37	121
UA6LCN	7A	423,007	1694	37	132
R6AP	"	44,772	373	20	64
R7NK	3.5A	85,064	750	19	79
RA6A	"	74,970	634	18	80
*RL6M	AA	2,885,760	2705	146	522
*R7MM	"	2,617,140	2324	144	492
*RN6MA	"	818,763	1052	107	366
*RV6LCI	"	541,558	997	84	302
*RA6C	"	424,146	1007	61	256
*RL6MA	"	374,544	474	110	298
*RA6EE	"	282,486	680	74	193
*UA6HZ	"	188,760	360	81	179
*RO7M	"	102,968	324	52	159
*UA6FZ	"	98,124	273	57	147
*RW6MBC	"	93,605	220	69	124
*UA6XDX	"	73,440	346	41	119
*RA6AAW	"	45,552	114	71	85
*RN6DR	"	725	23	11	18
*UA6LUQ	28A	121,830	617	31	100
*R7AO	14A	126,445	739	30	91
*RU6CS	3.5A	17,984	239	14	50
*R7NA	1.8A	8,512	137	13	51

European Russia - District 9

RW9XC	A	217,600	554	68	204
*RV9FT	A	302,484	680	77	196
*RX9FB	"	101,952	246	64	128
*R9XS	"	94,402	362	40	114
*UA9FKH	"	75,082	314	43	130
*RV9XE	"	60,736	274	47	99
*UA9XBJ	"	23,749	187	30	97
*UA9FFV	"	11,256	62	27	40
*R9FA	"	5,952	50	18	44
R9FT	AA	1,895,570	1793	147	508
R9XT	"	548,094	975	83	251
UA9FGJ	"	513,630	671	113	326
RC9F	"	784	14	14	14
*R8XF	21A	121,440	614	27	93

European Turkey

*TA1BM	28	11,352	101	22	44
*TA1DX	AA	104,854	353	54	152

Faroe Islands

OY1CT	AA	2,006,337	2974	93	360

Fed. Rep. of Germany

DJ5MW	A	6,186,348	4620	157	511
DK9PY	"	3,481,068	3384	131	395
DP4X	"	2,532,102	2618	131	372
					(OP:DL1MGB)
DF1IAQ	"	1,288,254	1916	107	340
DL2DX	"	1,275,456	1209	125	313
DFØBV	"	769,544	890	100	328
					(OP:DL1MAJ)
DK5AI	"	623,760	825	89	250
DK7AN	"	532,140	817	91	271
DD4DA	"	430,100	753	95	245
DL4ME	"	421,204	894	75	232
DL8NBJ	"	420,525	493	114	331
DF4XX	"	401,280	702	100	280
DL6MRS	"	400,198	465	100	301
DL5ST	"	383,032	554	102	275
DF5BX	"	173,232	494	54	162
DL4FAP	"	160,515	419	79	182
DK1NO	"	157,248	652	31	113
DL1MDZ	"	154,869	393	62	147
DK7MD	"	145,700	234	91	144
DJØAH	"	141,372	396	57	181
DC9ZP	"	139,944	402	68	170
DJ5CL	"	127,764	394	49	120
DL5QS	"	120,554	414	60	158
DL2ZA	"	119,658	397	58	164
DL1TPY	"	110,182	469	41	137
DJ2SL	"	109,668	271	68	154
DJ8RS	"	64,288	145	56	108
DJ6YX	"	64,184	158	58	84
DL8WX	"	62,370	211	46	64
DL4MHA	"	61,138	139	68	86
DJ8LX	"	57,682	277	70	121
DGØKS	"	45,194	165	42	76
DL8CA	"	43,884	141	39	67
DL2AXM	"	42,276	224	37	119
DK3AX	"	39,888	178	44	100
DL6DVU	"	37,113	206	39	100
DJ6OV	"	28,810	227	47	87
DKØASP	"	28,542	204	35	99
DKØSU	"	13,568	98	26	38
					(OP:DF7SA)
DL2VPF	"	13,490	63	39	56
DL5KUR	"	11,781	54	36	41
DF6WE	"	5,859	103	15	48
DL7UGO	"	5,133	52	23	36
DM3FF	"	3,680	71	16	24
DL7VAF	"	3,276	42	11	15
DH8BQA	28	353,580	996	35	131
DJ4MM	"	49,044	163	30	92
DL4LBK	21	314,457	913	34	109
DM3MM	14	349,904	1415	36	116
DK5JM	"	203,728	978	29	90
DJ2RG	7	102,265	746	22	91
DJ5EU	3.5	92,240	771	19	61
DD2CW	"	22,248	390	11	43
*DL4MCF	A	2,734,544	2351	143	474
*DL7UMK	"	861,534	1214	98	316
*DF3AX	"	815,790	1422	89	266
*DL5YL	"	699,936	1207	88	280
*DL5ARM	"	637,938	1110	89	277
*DK3YD	"	580,615	1166	76	237
*DL3KWF	"	574,938	980	88	263
*DL9CW	"	520,372	922	85	249
*DF4ZL	"	506,910	773	92	274
*DL7QU	"	459,668	817	89	248
*DL1TRK	"	428,198	743	86	261
*DK3WN	"	412,596	865	74	218
*DJ9CN	"	411,814	750	79	258
*DL2RUG	"	400,810	843	76	222
*DK2BJ	"	374,170	756	72	238
*DG7EE	"	359,790	708	89	246
*DL3ZAI	"	322,076	620	70	222
*DL5JRA	"	321,488	810	72	211
*DL8ULO	"	321,354	727	71	226
*DL6UNF	"	310,880	659	83	207
*DK7GH	"	299,570	488	73	217
*DL7UXG	"	293,166	634	71	196
*DF6RI	"	274,176	645	65	191
*DM3FZN	"	264,535	665	75	202
*DL4AUK	"	261,320	674	66	212
*DK4YJ	"	234,234	556	76	197
*DL7VHP	"	227,088	584	70	179
*DL4SL	"	220,980	570	69	185
*DJ3CS	"	214,840	540	64	198
*DL1DTL	"	214,722	406	72	165
*DJ3XA	"	203,812	525	57	194
*DL1SAN	"	200,634	519	68	170
*DH2URF	"	200,376	575	55	198
*DL1KSE	"	199,800	623	58	167
*DL3EBX	"	192,533	536	59	194
*DK2TC	"	189,952	456	59	153
*DM3AZ	"	189,104	438	57	155
*DL7VMM	"	177,372	457	62	172
*DL8DXL	"	175,882	494	63	175
*DL1THB	"	174,420	616	49	141
*DK3WM	"	173,600	359	67	157
*DL2AL	"	168,218	483	66	175
*DL4ZA	"	166,618	569	52	175
*DF3IS	"	164,750	399	73	177
*DF1OE	"	160,137	581	65	178
*DL3WKG	"	143,004	386	60	144
*DL7RV	"	141,680	416	61	159
*DL2F	"	139,356	691	46	150
					(OP:DL2FDL)
*DL5ZBA	"	139,272	413	57	111
*DL5CL	"	136,620	309	73	157
*DL1EAL	"	133,348	350	55	157
*DL2ASB	"	132,468	358	61	167
*DL5AYI	"	129,948	368	56	148
*DF5AN	"	127,680	288	69	155
*DJ9SN	"	123,310	391	49	141
*DL2GBB	"	114,246	291	63	135
*DL5DXS	"	107,485	365	53	132
*DD7NT	"	107,474	311	63	155
*DL1BA	"	103,208	245	62	132
*DK4WF	"	102,506	267	68	146
*DJ6FO	"	101,184	308	55	149
*DK6BT	"	99,540	319	49	131
*DJ7AT	"	98,820	491	49	113
*DF8TY	"	92,000	331	48	112
*DL5DBH	"	91,798	440	40	126
*DJ8UV	"	88,312	470	70	196
*DL2ANM	"	79,680	264	50	116
*DK5WO	"	79,430	313	42	88
*DL3RDM	"	79,261	321	49	120
*DL3KWR	"	74,360	297	45	124
*DL4MFF	"	74,358	261	45	108
*DL5CD	"	62,769	265	53	130
*DL5DRM	"	59,595	225	44	101
*DO6PS	"	58,968	258	39	117
*DF6LQ	"	58,917	227	44	79
*DL5MEL	"	58,500	296	44	106
*DL3BCR	"	57,130	230	43	102
*DJ3DQ	"	56,320	180	50	126
*DP4M	"	56,199	249	40	103
					(OP:DJ4MH)
*DF2CH	"	54,448	166	66	98
*DO2MS	"	50,976	226	44	100
*DK4RL	"	50,662	171	49	97
*DL1MFZ	"	48,750	200	49	101
*DJ9FG	"	47,401	200	36	71
*DK6OR	"	44,422	185	47	120
*DO9HSK	"	43,392	217	35	78
*DL6DSA	"	42,547	174	44	113
*DK3PM	"	42,294	197	40	93
*DL3OH	"	37,687	157	59	110
*DL3MVC	"	37,120	228	53	107
*DJ5HB	"	36,708	222	30	103
*DJ6UP	"	36,287	163	47	84
*DL5GEO	"	31,688	265	29	107
*DK4EF	"	31,320	145	40	80
*DL4EAX	"	31,320	162	39	96
*DK9MH	"	30,952	150	35	71
*DL5ZB	"	29,607	92	66	73
*DO1MGN	"	29,600	191	28	72
*DK5PF	"	27,700	134	40	60
*DK7CH	"	26,983	175	35	86
*DJ6DO	"	25,916	144	39	85
*DJØYI	"	24,503	180	31	76
*DH8MS	"	22,606	110	31	58
*DL8AAM	"	21,190	110	26	104
*DL2BUM	"	20,700	108	37	78
*DK8RE	"	18,870	127	32	70
*DJ3JD	"	17,520	100	29	51
*DL5FAB	"	13,932	118	41	67
*DK1LRS	"	12,852	101	29	55
*DH2DAM	"	10,773	128	16	47
*DO1UZ	"	10,010	135	17	53
*DL3VTA	"	9,000	91	17	23
*DL1RTW	"	8,664	59	24	33
*DJ1HF	"	8,418	82	21	48
*DL1WM	"	7,275	100	34	63
*DL1AWM	"	6,270	68	26	40
*DM2LS	"	5,520	48	25	44
*DL5LWM	"	5,376	58	23	33
*DK3LT	"	5,005	81	14	41
*DM3XI	"	4,743	42	27	24
*DK7FP	"	4,080	64	12	39
*DL9SUD	"	3,540	79	14	45
*DM2DXG	"	2,646	26	23	26
*DK2FW	"	2,401	52	19	30
*DL4DRW	"	1,944	55	20	34
*DLØPS	"	1,702	42	14	23
*DH5AU	"	731	51	11	32
*DL/PA3DAT	"	560	30	14	21
*DL2ARG	"	546	22	5	16
*DL7VRG	"	434	11	7	7
*DL4AAE	28	251,624	747	33	109
*DL5SWB	"	26,130	172	20	45
*DL1ARD	"	20,368	116	23	53
*DL7DZ	"	16,896	85	26	62
*DH6BH	"	16,434	106	20	46
*DJ2GM	"	6,138	92	11	20
*DL6DCD	"	5,750	66	16	30
*DL8UGF	"	4,690	49	13	22
*DL1GBQ	"	2,993	51	14	27
*DL2YED	"	1,599	44	6	7
*DL8DAW	"	1,003	47	7	10
*DF3SM	"	738	15	7	11
*DO1DXX	"	6	1	1	1
*DL3DTH	21	260,876	715	36	118
*DF5BM	"	99,190	359	31	99
*DL1AKL	"	19,494	126	22	35
*DK5ZX	"	9,408	111	16	33
*DL9ZP	14	248,979	944	36	113
*DL9LM	"	169,058	649	32	105
*DL/SP3CW	"	100,806	555	30	76
*DL6KWN	"	72,765	415	29	76
*DL4XU	"	47,430	374	21	64
*DL1AL	"	37,128	223	24	78
*DM2TO	"	11,200	82	16	40
*DL2WJT	"	2,345	50	8	27
*DL2QT	"	1,872	32	9	17
*DJ1YFK	7	397,474	1434	33	121
*DL3VZL	"	197,490	1003	32	113
*DL5KUD	"	128,256	587	25	103
*DL2YAK	"	13,398	195	14	44
*DJ2YE	"	8,996	172	8	44
*DL6UAM	"	3,360	78	7	33
*DL7UDA	"	2,240	30	15	20
*DL1AZA	"	1,221	43	5	28
*DK2FG	3.5	92,232	614	20	88
*DL4TJ	"	41,791	432	15	64
*DL7YAD	"	28,380	313	12	54
*DF4XF	"	12,025	184	11	54
*DL4JU	"	8,694	178	9	45
*DL1HSI	1.8	2,988	106	5	31
DF9ZP	AA	5,894,814	3303	176	663
					(OP:DK8ZB)
DL5XJ	"	3,608,696	2278	163	565
DF3CB	"	3,460,104	2168	172	575
DF2UU	"	3,415,080	2183	165	599
DL1DVE	"	3,001,173	1978	167	556
DL4CF	"	2,732,540	2106	146	488
DL8SCG	"	2,471,670	2331	130	392
DK5DQ	"	2,424,591	1617	156	533
DJ1MM	"	2,197,754	1747	140	477
DL6KVA	"	2,139,639	1514	155	544
DF2LH	"	2,097,837	1699	141	462
DL5JS	"	1,981,890	1906	133	416
DF9GR	"	1,903,958	1868	131	443
DHØGHU	"	1,849,064	1411	145	478
DM8T	"	1,739,444	1623	123	395
					(OP:DL8MAS)
DL5YM	"	1,708,480	1718	138	424
DL8ZAW	"	1,625,508	1523	125	394
DL5GAC	"	1,603,264	1638	118	415
DK1KC	"	1,594,791	1511	125	418
DL1HCM	"	1,428,000	1675	126	399
DL6NDW	"	1,367,808	1080	144	480
DJ6QT	"	1,328,670	952	161	542
DJ1AA	"	1,190,280	1042	134	411
DJ9MH	"	1,147,968	1044	135	441
DKØAE	"	1,127,588	1034	133	406
					(OP:DJ1AA)
DJ8EW	"	1,121,848	1212	102	367
DK1FT	"	1,045,784	1074	112	376
DL4WA	"	1,038,800	1032	126	404
DH8VV	"	1,003,242	851	140	402
DF4PD	"	990,000	986	128	422
DF5ZV	"	984,344	898	132	436
DL1VDL	"	965,361	1018	120	319
DM5P	"	783,000	1196	103	347
					(OP:DJØIP)
DF2RG	"	775,040	776	117	331
DL2ZAE	"	762,930	984	112	378
DL1LOD	"	714,780	829	122	373
DF3OL	"	672,685	976	106	289
DJ3WE	"	663,136	914	103	321
DF2TT	"	616,076	739	103	349
DL1NEO	"	616,036	696	103	354
DJ5IW	"	609,528	761	110	326
DL1RG	"	585,143	617	117	320
DL1STG	"	541,788	547	115	338
DL3ANK	"	501,429	680	91	270
DD1JN	"	493,487	810	93	268
DL4RDJ	"	493,056	642	97	287
DL9NDV	"	486,780	598	106	321
DK6CQ	"	477,009	615	105	246
DL8QS	"	464,031	630	109	314
DL5MX	"	451,920	541	91	245
DL4JLM	"	443,928	631	90	228
DH7TNO	"	412,902	641	108	298
DL3KUM	"	391,723	585	100	289
DO4DXA	"	389,486	575	65	233
DJ9HX	"	377,332	450	113	245
DL7YS	"	371,844	790	72	241
DL5ASK	"	368,625	548	93	282
DL8OH	"	323,755	482	99	266
DL8RDL	"	322,389	449	114	225
DL4WG	"	284,004	488	82	240
DJ5AN	"	262,440	406	96	228
DL7LIN	"	248,530	477	78	212
DJ5QV	"	243,000	658	55	195
DL1AOB	"	242,694	575	80	211
DL5MEV	"	240,000	298	123	261
DL2NOM	"	237,328	323	101	263
DK1EI	"	206,055	474	72	213
DF9PG	"	203,616	457	67	185
DL6NCY	"	179,712	369	53	155
DL9GS	"	172,143	379	84	195
DJ2BC	"	168,742	502	64	174
DL7VEE	"	164,488	278	89	143
DJ6OZ	"	156,446	530	38	141
DL5ZL	"	154,850	338	88	238
DK2AT	"	143,775	359	62	151
DJØIF	"	142,896	478	48	160
DL2RTL	"	142,746	299	67	155
DL9NCR	"	121,680	291	78	162
DL2DXA	"	121,662	330	57	105
DJ1XT	"	118,816	239	69	119
DG9MDM	"	112,572	205	92	144
DF8AA	"	98,092	315	45	134
DJ1TU	"	98,022	282	57	129
DM5JBN	"	85,371	183	72	127
DL6ZXG	"	83,300	226	55	115
DL1YFF	"	79,119	240	57	120
DL9GTI	"	52,305	147	54	111
DM1TT	"	42,770	144	39	91
DM2DXA	"	42,247	183	40	43
DL5NDX	"	37,083	174	43	98
DL5RDO	"	34,526	132	43	79

DL1YM	"	31,730	118	39	56
DJ6TB	"	31,000	149	39	61
DR4W	"	30,360	209	23	69
(OP:DL4NAC)					
DK5EZ	"	24,822	114	41	85
DJ9RR	"	24,750	134	26	64
DK1FW	"	16,867	79	39	62
DL5SVB	"	16,150	113	30	65
DL3APO	"	15,453	77	41	60
DF3TE	"	7,482	55	26	32
DL1KWK	"	4,350	31	21	29
DH1PAL	"	4,136	35	22	25
DL3HWM	"	1,972	20	15	19
DK2GZ	28A	412,712	939	36	148
DM9K	"	304,730	890	34	121
(OP:DH7KU)					
DH8WE	"	254,769	747	34	129
DL5AN	"	224,598	570	36	130
DJ6TK	"	124,862	397	33	116
DL4YAO	"	107,068	310	33	109
DL9USA	"	96,944	253	33	133
DJ8OG	"	41,736	166	30	81
DK1QH	"	17,984	137	16	48
DL1A	21A	570,381	1448	35	138
(OP:DK7AH)					
DL1WA	"	395,256	1080	37	135
DL1IAO	"	390,639	949	38	139
DC4A	"	350,366	901	38	129
(OP:DL4NAC)					
DL7BY	"	270,108	767	36	128
DL8WEM	"	242,651	622	39	128
DL1LH	7A	227,076	1052	33	116
DM7C	3.5A	512,236	1974	31	127
(OP:DL7CX)					
DL7ON	"	415,680	1635	34	126
DJØMDR	"	391,816	1832	29	107
DL9GFB	"	107,124	814	20	93
DJ4AX	1.8A	66,750	626	15	74
DK3UA	"	23,288	250	13	58
*DLØUM	AA	1,952,145	1497	141	498
(OP:DL7FER)					
*DL3YM	"	1,857,562	1757	130	424
*DL4FN	"	1,084,461	1219	112	345
*DL1NKS	"	989,425	1299	105	370
*DK8NT	"	957,336	1282	107	345
*DL7URH	"	858,523	1176	90	299
*DL2NBY	"	603,576	1045	74	229
*DL7UIO	"	571,887	775	94	265
*DG7RO	"	545,238	707	98	316
*DF1LX	"	483,588	714	96	308
*DL3KVR	"	472,017	555	110	289
*DL3LSM	"	465,254	652	97	256
*DF1HF	"	322,553	414	102	311
*DQØA	"	318,496	772	80	216
(OP:DK2DQ)					
*DK1AX	"	314,986	692	71	227
*DL1DXA	"	310,986	438	110	241
*DF1QQ	"	300,861	553	76	221
*DL1ANT	"	263,725	617	65	210
*DL9GCG	"	247,456	414	81	215
*DL1ARJ	"	220,311	462	79	190
*DL1HBT	"	200,994	331	74	204
*DL5OBY	"	181,686	383	65	149
*DL5JQ	"	174,330	507	66	168
*DL8ZAJ	"	172,692	422	65	169
*DL8DWW	"	171,717	395	65	194
*DM5DM	"	140,010	468	62	133
*DL3FCG	"	133,650	276	65	178
*DL6ON	"	129,120	297	69	171
*DL4VAI	"	116,421	341	51	100
*DL8CKL	"	110,638	299	63	151
*DL1DBR	"	101,388	263	64	140
*DLØEKO	"	100,636	331	62	119
(OP:DL8UKE)					
*DO6SR	"	99,056	313	42	109
*DM3PKK	"	99,035	330	47	98
*DF5LW	"	94,720	393	47	138
*DH6DAO	"	93,624	211	68	120
*DL6ZBN	"	93,024	333	41	103
*DF4XG	"	91,278	258	54	144
*DM2RN	"	90,275	261	56	101
*DF8UO	"	84,240	209	67	128
*DJ1SL	"	83,076	328	42	119
*DK4WO	"	78,850	270	49	117
*DL8OK	"	73,320	205	55	140
*DL1EHR	"	66,304	309	42	86
*DL8RB	"	59,826	211	48	121
*DF1LON	"	38,760	161	39	81
*DL1KUR	"	37,944	135	47	77
*DH6YMC	"	37,525	194	30	65
*DL5KW	"	31,588	176	32	74
*DF5TR	"	27,636	154	32	66
*DL1VTL	"	25,120	125	41	116
*DLØNG	"	24,200	121	37	63
(OP:DK8NC)					
*DM6DX	"	24,192	137	35	73
*DL3TU	"	22,892	79	50	68
*DL2JKE	"	22,022	124	30	61
*DK5IR	"	21,630	144	31	72
*DL7AT	"	21,565	117	35	60
*DK2ØKTL	"	17,836	106	28	63
(OP:DJ2AX)					
*DK1LC	"	13,442	116	31	63
*DL1SVA	"	12,921	66	33	40
*DL5ANS	"	12,090	71	33	45
*DH5YM	"	11,376	105	23	56
*DK6YM	"	9,594	57	30	48
*DK7ZH	"	7,888	52	24	34
*DL2KMS	"	5,874	92	18	48
*DL5WS	"	5,757	79	16	41
*DP4N	"	4,484	61	15	44
*DK4US	"	3,840	45	14	18
*DK5MB	"	1,776	30	9	15
*DC2IP	"	1,586	23	11	15
*DK3KD	28A	170,479	475	34	117
*DL4UL	"	72,292	237	31	93
*DL6KO	"	42,864	216	26	68
*DL3EA	"	29,376	109	30	66
*DL4KUG	"	14,396	88	20	39
*DH9SB	"	12,985	95	18	35
*DL1SBF	"	5,370	65	13	17
*DJ2MX	21A	341,404	808	37	141
*DK5IM	14A	18,810	227	13	44
*DD5KG	"	14,382	114	18	33
*DJ2XC	7A	37,389	260	24	79
*DL2SAX	"	7,560	69	16	44
*DK8ZZ	3.5A	90,428	786	15	79
*DM3F	"	2,808	49	9	27
*DK3GI	1.8A	26,474	327	11	51

Finland

OH8X	A	4,149,288	3840	142	416
(OP:OH6UM)					
OH2LU	"	654,696	1190	88	290
OH6XY	"	368,520	580	99	271
(OP:OG6R)					
OH2VZ	"	278,616	539	70	212
OH6BA	"	220,866	533	67	195
OH2BR	"	96,915	230	66	147
OH2XF	"	31,603	120	40	103
OG1D	"	23,074	118	36	47
OH6DH	"	18,312	121	31	78
OH8MNM	"	690	15	9	14
OH9A	28	295,137	1057	33	120
(OP:OH1MM)					
OH1O	"	59,290	231	27	94
OH5TS	21	376,040	1037	39	131
OH1TX	7	687,104	2164	37	139
(OP:OH2PM)					
OH5Z	"	576,135	2037	34	121
(OP:OH5WH)					
OH9W	"	417,274	1683	34	109
(OP:OH2TA)					
OH6ID	1.8	4,182	139	7	34
*OH3LB	A	127,488	649	41	125
*OH1B	"	121,588	336	56	170
(OP:OH1BOI)					
*OH2DP	"	103,730	278	68	162
*OH2KM	"	86,880	379	43	138
*OH6TN	"	65,988	304	39	117
*OH1XY	"	39,420	164	40	106
*OH3D	"	38,962	211	36	85
(OP:OH2NC)					
*OH1TS	"	32,004	271	30	96
*OH2LP	"	24,030	170	35	100
*OH2BWL	"	21,692	139	35	81
*OH3HZ	"	4,224	40	19	25
*OH2FHN	"	2,597	46	17	32
*OH3MC	28	13,920	109	20	60
*OH2BEC	"	1,870	26	12	22
*OH1KH	"	1,066	27	8	18
*OH3WR	21	52,771	223	28	85
*OH7FF	"	35,568	311	16	60
*OH6RC	3.5	4,015	66	9	46
OG6N	AA	2,499,000	1742	155	580
OH6RE	"	1,052,029	901	141	508
OH3NU	"	665,474	634	125	333
OH2XX	"	527,292	1101	79	223
OH6OS	"	359,100	593	82	260
OH1EB	"	323,456	616	77	227
OH1HS	"	228,135	379	81	254
OH2BN	"	206,892	401	66	186
OH2KW	"	204,490	458	69	173
OH6DX	"	165,432	262	85	254
OH7KBF	"	132,894	388	48	159
OH2EV	"	64,768	311	46	130
OH5KW	"	57,905	138	68	117
OH6NT	"	45,994	151	54	68
OH8KVA	"	33,630	146	42	72
OH2FT	"	2,146	29	18	19
OH7WW	28A	91,234	359	32	111
OH1F	21A	631,638	1584	39	150
(OP:OH1TM)					
OH4A	"	338,845	1064	37	132
(OP:OH6XA)					
OH4KZM	"	107,166	310	33	126
OH8L	14A	945,066	2549	38	148
(OP:OH8LQ)					
OH2CK	"	160,320	505	36	124
OH4JT	"	1,372	31	11	17
OH6R	7A	380,172	1473	34	122
(OP:OH3FM)					
OH6MW	3.5A	248,300	1371	26	104
OH8CW	"	4,944	61	14	34
OG4T	1.8A	64,008	669	16	68
(OP:OH4MFA)					
OG9W	"	47,855	529	16	69
(OP:OH2BCI)					
OH2BO	"	26,274	218	18	69
*OG5B	AA	1,221,875	1436	139	436
*OH7GGX	"	382,392	665	95	281
*OH2FTA	"	151,640	408	59	164
*OH2CI	"	123,178	305	56	186
*OH2LNH	"	76,314	323	42	116
*OH3KAV	"	34,163	122	48	79
*OH6NVT	"	28,676	133	44	90
*OH3VX	"	11,648	91	38	66
*OH7CW	21A	115,736	511	30	106
*OH2BMH	7A	63,765	303	25	92
*OH8VQ	"	1,161	23	11	16

France

F8DGY	A	2,254,072	2525	134	354
F5RJW	"	171,264	478	50	142
F6BIP	"	38,280	153	48	68
F5JWH	"	32,264	158	32	42
F5IHZ	"	4,949	133	30	71
F6AUS	28	84,075	398	26	49
F5TMJ	"	702	16	6	12
TM6X	21	116,348	483	31	85
(OP:F5VHY)					
F5JY	"	91,875	375	32	93
F8CRH	14	111,356	690	22	60
F5NGA	3.5	52,129	525	13	64
F6ARC	1.8	26,841	245	12	57
F5VMN	"	25,956	385	10	53
F6GOX	"	4,725	113	7	38
*F6FTB	A	1,060,850	1333	105	328
*F6CWA	"	496,064	760	106	262
*F5BBD	"	418,040	961	68	212
*F5ICC	"	399,486	718	70	208
*F5INJ	"	380,835	775	70	203
*F5JU	"	296,707	456	77	192
*F5OZC	"	218,218	668	57	161
*F8DHE	"	212,382	496	71	172
*F5VV	"	200,200	490	60	160
*F6GCI	"	199,956	507	64	164
*F8AEE	"	193,990	981	43	147
*F4ERS	"	191,436	396	66	192
*F5POJ	"	167,857	515	58	171
*F5SGI	"	162,360	452	54	151
*F2AR	"	156,252	456	47	127
*F5KLE	"	140,262	416	58	136
(OP:F5JNT)					
*F5IAE	"	59,906	198	50	104
*F5ILS	"	53,469	254	41	76
*F6KFA	"	46,964	202	39	79
(OP:F6CZV)					
*F5CT	"	45,195	243	32	37
*F8NUH	"	34,680	151	42	78
*F6CYT	"	20,900	137	28	67
*F5TRB	"	18,326	140	39	80
*F8DYD	"	17,340	117	35	50
*F8KKH	"	13,268	144	22	40
(OP:F4GBW)					
*F5BTH	"	11,662	170	38	81
*F8FQJ	"	6,477	91	16	35
*F8EZE	"	6,161	46	21	40
*F5GGL	"	6,111	40	26	37
*F4FDA	"	5,720	43	25	27
*F4FEP	"	3,519	33	23	28
*F4GXG	"	2,914	91	16	46
*F5OJN	"	2,574	31	15	18
*F3WT	"	2,077	30	16	15
*F5TGR	28	20,066	135	23	56
*F5SDD	"	3,248	57	10	18
*TM2T	21	230,746	997	29	84
(OP:F5ROP)					
*F5MWW	7	85,885	623	19	70
*F6HHR	1.8	2,736	72	6	30
F5VKT	AA	1,967,526	1938	132	391
F8CRS	"	988,540	1000	101	359
F5VHJ	"	732,780	845	128	403
F5PHW	"	718,074	934	93	276
F4BKV	"	444,744	428	130	392
F6HLC	"	418,117	532	95	276
F4EUN	"	253,043	692	74	185
F6BEE	"	204,480	328	82	238
F5CQ	"	203,870	298	89	201
F5VJC	"	42,320	161	43	72
F5IDJ	"	29,590	107	40	70
F6CZV	"	1,595	19	12	17
TMØR	28A	474,948	1304	35	132
(OP:F5MNK)					
F6DSV	"	12,240	77	26	42
TM6M	21A	1,047,536	2388	39	160
(OP:F1AKK)					
F8CIL	"	220,520	677	34	115
F5NBX	"	149,924	498	35	113
TM5Y	14A	1,414,304	3601	39	154
(OP:F8DBF)					
F6KGY	7A	2,400	86	9	21
F4DNW	3.5A	94,600	733	16	70
F5IN	1.8A	93,972	849	15	67
*F5OWL	AA	474,192	771	87	246
*TM5FFT	"	381,321	884	63	198
(OP:F6DZD)					
*F6FLU	"	18,334	72	41	62
*F6DYA	"	3,872	41	18	26
*F5UTN	28A	87,418	390	32	77
*F4DXW	3.5A	90,250	794	17	78

Franz Josef Land

*RI1FJ	A	51,353	200	31	58

Greece

SV2JAO	A	299,624	605	70	198
SV2HRT	"	210,648	516	74	194
SV7BVM	"	5,124	44	27	34
J43J	28	348,232	1282	33	119
(OP:DJ5JH)					
SV1JG	"	118,665	587	34	101
*SV8GKE	A	86,020	438	38	132
*SV1CEI	"	33,024	132	49	80
*SV1PS	"	13,680	107	29	61
*SV2GNC	"	11,780	182	11	51
SV1ENG	AA	1,792,548	2356	120	402
SV2BFN	28A	16,928	79	29	63
SZ6P	21A	368,424	1212	36	132
(OP:SV1BJW)					
*SV4FFL	AA	276,940	934	55	189
*SV1CQN	"	82,720	384	46	114
*SV1HEM	"	43,010	193	53	117

Guernsey

GU4CHY	28	145,184	719	25	79
GU4YOX	21	529,776	1727	37	107
*MUØFAL	28A	84,328	497	21	62

Hungary

HG1A	A	3,081,743	3515	124	369
(OP:HA1ZN)					
HA3OD	"	717,440	1111	95	285
HA7LW	"	412,100	702	91	234
HA1A	28	291,252	961	35	121
HA5JI	"	171,160	711	25	85
HA8IH	14	572,178	2221	34	107
HA8GY	3.5	26,208	202	19	65
HA8BE	1.8	102,837	1029	18	65
HA3HZ	"	13,680	205	10	50
*HA9RT	A	1,417,680	1469	138	390
*HAØGK	"	483,724	835	89	243
*HA1TV	"	392,327	842	72	221
*HA4YF	"	248,805	557	71	214
*HA1IP	"	109,817	276	67	126
*HA6PJ	"	104,566	565	30	124
*HA9SU	"	49,649	208	42	89
*HA8MT	"	26,331	101	49	82
*HA3FUK	"	24,648	174	24	80
*HA2MN	"	12,709	149	15	56
*HGØR	28	284,760	758	36	144
(OP:HAØNAR)					
*HA5UA	"	56,863	257	31	70
*HA3GO	"	29,154	170	27	59
*HA7NK	14	131,904	529	35	109
*HA6OZ	"	47,696	399	20	68
*HA3MU	7	139,062	714	28	101
*HA2DX	"	41,492	348	19	63
*HA7JJS	3.5	34,151	420	12	59
*HA7JQK	1.8	1,650	63	4	26
HA8JV	AA	5,386,496	3343	181	613
HA3LI	"	2,139,214	1793	149	489
HA6NL	"	2,012,725	2068	137	426
HA5PT	"	1,814,920	1744	131	447
HA3OU	"	940,653	1086	120	321
HAØHW	"	773,300	1179	101	317
HA5OO	"	684,558	1026	99	279
HA8TP	28A	152,290	414	35	122
HA6NW	21A	155,802	503	34	104
HA7GN	14A	689,361	1981	39	144
HG4F	"	327,410	1298	34	111
HA8BT	3.5A	101,388	918	17	67
HA8VK	"	94,145	908	17	78
HG5A	1.8A	86,025	1031	14	61
(OP:HA5NB)					
*HA5AQ	AA	755,016	774	124	365
*HA2VR	"	33,320	137	41	78
*HG8C	28A	97,632	287	35	109
(OP:HA8EK)					
*HG5D	21A	508,248	1294	38	143
(OP:HA8QZ)					
*HA3UU	"	431,462	1029	37	136
*HA5BSW	3.5A	140,911	989	22	91
*HA8EK	"	7,830	171	8	37

Iceland

*TF3DX	A	119,316	303	62	121
TF2CW	14A	1,012,662	3010	38	124
(OP:TF3CW)					
TF3SG	3.5A	30,552	401	13	63
*TF3VS	AA	23,912	149	27	71

Ireland

EI4DW	A	136,512	314	61	131
*EI3CTB	A	70,560	296	39	108
*EI1DG	"	27,262	134	34	52
*EI4HQ	21	81,328	480	22	82
*EI4JZ	14	6,164	134	10	36
EI3KG	AA	3,887,524	3362	144	442
EI6IZ	"	398,660	719	75	235
EI7CC	"	334,944	599	72	216
EI9KC	"	179,046	359	81	180
EI2CN	21A	605,988	1530	38	143
EI6DX	7A	172,608	891	28	88
EI2KC	3.5A	53,760	565	15	65
*EI8JX	AA	398,652	776	72	206
*EI4CF	21A	108,025	306	34	111

Isle of Man

*MDØSFR	14	60,516	545	20	62
(OP:MØSFR)					
*MD2C	AA	2,843,580	2856	129	442

Italy

4U1GSC	A	4,179,960	4246	147	465
(OP:E73A/9A3A)					
IZ5DKJ	"	257,307	689	65	134
I1WQR	"	169,002	459	74	172
IK8UND	"	109,217	401	45	104
IZ3EOU	"	102,700	259	60	98
IKØYVV	"	82,834	321	54	112
I2SVA	"	42,984	212	33	39
IK2QIN	"	35,375	136	44	81
IK1RGK	"	10,350	82	30	39
IV3EPO	"	320	8	8	8
IK2SND	28	223,933	693	35	116
IQ2BG	"	188,860	591	33	107
(OP:IK2AHB)					
IZ3DVU	"	63,813	305	26	63
IK2AOO	21	118,692	494	28	80
*IR4X	A	5,586,912	3825	161	543
(OP:IZ3EYZ)					
*IB1A	“	2,496,140	2400	126	422
(OP:IK1HJS)					
*IK4UNH	"	708,981	1052	93	278
*IK3XJP	"	704,980	1007	102	302
*IK4EWX	"	677,249	1013	98	291
*IR1X	"	400,752	1121	77	187
(OP:IZ1GLX)					
*I6FDJ	"	289,510	792	60	202
*IV3BCA	"	277,482	624	84	225
*IZ2GRG	"	257,712	406	101	253
*I2AZ	"	207,840	502	64	176
*IZ4DYX	"	194,215	601	58	159
*IK2XDE	"	176,436	347	71	163
*I4FGG	"	162,590	413	70	159
*IØYQV	"	152,692	313	76	160
*IN3MNS	"	145,518	526	58	179
*IK6DIN	"	142,003	666	57	154
*IW1PNJ	"	117,700	295	69	145
*IZ8EEL	"	105,225	247	62	121
*IK2UEX	"	103,935	409	62	143
*I2TFJ	"	90,500	321	53	128
*IZ1DXS	"	90,465	284	52	111
*IW2FUT	"	89,886	346	34	108
*IK4CLF	"	86,064	286	43	120
*IK8ARF	"	74,643	214	59	120
*IV3KSE	"	68,380	241	49	81
*IW5EIJ	"	64,676	214	53	95
*IV3ARJ	"	61,152	296	39	108
*IKØCNA	"	47,840	228	51	109
*IK2SGL	"	45,326	188	48	83
*IZ1ANU	"	44,204	192	60	112
*IZØUME	"	43,836	184	55	101
*IZ8NXG	"	37,698	218	34	88
*IZ6TGS	"	37,392	302	29	85
*IV3DYS	"	31,598	181	37	85
*IZ8OCU	"	28,520	164	30	85
*IZ3GNG	"	27,472	127	49	87
*IN3HUU	"	27,000	174	33	75
*IZ2EEV	"	26,117	171	30	61
*IK2IKW	"	25,680	113	43	77
*IW3HXR	"	24,976	129	38	74
*IK2NUX	"	23,800	122	32	53
*IWØEYT	"	22,184	138	32	86
*IZ1PKV	"	22,050	131	31	67
*IN3QBR	"	21,580	116	28	55
*IZ1RFL	"	21,483	119	33	66
*IK2UJF	"	20,895	146	27	78
*IK8GYQ	"	20,736	132	38	90
*IN3ZWF	"	18,240	160	22	74
*IZ3GOG	"	18,190	117	29	56
*IZ8GBT	"	17,182	101	30	41
*IZ3KMY	"	13,630	116	23	71
*IK7WPD	"	12,996	84	29	47
*IK2YXB	"	10,653	58	28	39
*IZ5HQB	"	10,200	82	23	27
*I2ORX	"	8,658	69	29	49
*IR7A	"	5,454	76	15	39
(OP:I7ALE)					
*IV3DLW	"	4,860	115	30	51
*IK2REA	"	3,610	41	17	21
*IK2CMI	"	3,053	53	11	32
*IZ8CLM	"	2,816	37	21	23
*IØLTX	"	2,279	34	19	24
*IZ2USH	"	870	26	14	16
*IZ7XIB	"	533	35	15	26
*IZ5ILV	"	252	9	9	9
*I7PLY	"	228	34	14	24
*IW5ELA	"	66	6	5	6
*IK8FIQ	28	65,219	328	32	89
*IK1WEG	"	14,750	116	22	37
*IK3HAR	"	11,880	100	18	27
*I4QHD	"	6,210	77	16	30
*IK5YJK	"	2,541	42	14	19
*IK2WAD	21	54,462	324	25	62
*I3BBK	"	48,884	264	30	71
*IK1CCS	"	39,512	203	25	63
*IK2WXV	"	25,650	251	23	52
*IK2AIT	"	19,980	178	19	35
*I1/GM3WOJ	"	1,566	22	11	16
*IQ2CU	14	43,008	347	20	64
(OP:IN3OWY)					
*IK2ZJR	"	350	42	8	17
*IZ5OVP	"	81	12	2	1
*I3PXN	7	43,946	369	21	65
*IK2YXP	"	24,444	196	20	64
*IZ4GOL	"	4,368	72	13	29
*IZ2GMT	"	1,121	23	8	11
*IZ1GQI	"	896	44	6	26
*IX1CKN	"	320	12	6	10
*I5NQK	3.5	8,700	218	8	42
*IZ5FDE	"	1,856	67	5	27
*I4JEE	1.8	6,670	145	8	38
IR2C	AA	6,788,172	3799	180	624
(OP:IK2PFL)					
I3VJW	"	1,147,958	1069	127	364
IR3W	"	642,996	1129	89	248
IK3UNA/1	"	403,611	993	68	169
IZ1JLN	"	245,256	507	73	191
IK3DVY	"	200,340	387	90	175
IK3SCB	"	159,680	585	43	117
IK4ZGO	"	112,574	334	55	132
IC8POF	"	89,523	207	67	136
IK8MYM	"	76,220	187	72	113
IK5AFJ	"	69,888	242	67	141
IZ4ISC	"	67,344	226	51	87
IZ2DII	"	63,162	293	32	67
IKØYUT	"	53,594	237	41	86
IK5FKF	"	32,706	131	42	96
IZ4GWE	"	29,290	209	22	36
IZ8EDL	"	23,585	125	27	62
IO3X	28A	320,000	823	34	126
IKØFUX	21A	171,476	444	35	128
IKØEFR	"	107,616	465	29	85
IR2R	7A	590,011	2153	36	131
(OP:IZ2EWR)					
IC8FBU	"	118,680	858	22	93
I1NVU	"	113,573	549	33	104
I7CSB	"	67,588	272	28	94
IZ5NFD	3.5A	89,531	656	19	78
IKØMHR	"	35,763	382	15	76
I3FDZ	"	35,520	463	12	62
IV3AZV	1.8A	55,334	754	12	61
*IK3ORD	AA	1,107,500	1110	127	373
*IKØTUM	"	338,724	570	82	209
*IZ2OBS	"	243,180	482	83	232
*IW3IFJ	"	117,820	373	59	113
*IK5RUN	"	117,012	208	93	201
*IZØEHL	"	97,005	234	60	163
*IZ1ANZ	"	96,140	300	55	135
*IZ2OOS	"	95,316	380	49	120
*IZØFZM	"	94,620	326	59	107
*IZ3SQW	"	66,566	285	44	122
*IZ3QCH	"	31,820	225	43	105
*IZ1GIP	"	30,081	153	31	80
*IK2AUK	"	29,232	169	35	91
*IK2XRW	"	28,620	141	40	66
*IK2PZC	"	27,888	97	43	69
*IK2WPO	"	27,477	110	46	83
*IK2TKX	"	24,024	276	48	120
*IK2RLS	"	22,368	115	38	58
*IR4E	"	16,948	103	30	46
*I4HRH	"	14,960	94	35	53
*IK1DPA	"	6,360	54	25	35
*IZ4AFW	"	3,496	36	17	21
*IKØPAV	"	3,333	37	16	17
*IZ2CSX	"	1,302	16	15	16
*IØUZF	28A	357,232	940	36	130
*IKØVVE	"	149,730	529	34	104
*IZ3KKE	"	86,025	301	31	80
*IK8TEO	21A	319,480	976	36	127
*IK2GZU	"	104,320	335	37	126
*IZ4AKO	"	2,424	38	9	15
*IZ8EFD	14A	87,100	441	32	102
*IK2SAU	"	62,061	191	36	115
*IZ3NYG	7A	79,856	353	30	94
*IK5TBK	"	35,808	332	19	77
*IV3WJP	"	4,773	75	12	25
*IKØXBX	3.5A	86,016	591	20	92
*IK4DCX	"	27,051	387	12	59

Jersey

GJ2A	A	1,764,744	2438	90	327
(OP:K2WR)					
*MJØASP	A	160,272	534	51	165

Kaliningrad

UA2CZ	A	237,372	392	82	180
R2KW	"	15,640	122	41	74
UA2KW	14	803,427	2461	37	126
(OP:UA2FB)					
*RN2FQ	A	147,840	352	68	163
*RT2F	"	34,671	217	40	87
*UA2FP	"	1,480	33	10	27
*UA2AB	"	126	9	6	8
*UA2FL	28	84,376	437	24	82
*RA2FX	21	43,522	217	27	67
UI2K	AA	2,679,750	2305	150	525
(OP:UA2FZ)					

Kosovo

*Z6/S56A	AA	211,825	689	45	184

Latvia

YL6W	A	2,361,310	2256	151	459
(OP:YL2GD)					
YL2PP	"	1,650	20	14	19
YL2SM	21	655,018	1647	38	144
YL3FT	7	656,903	2139	37	132
YL2SW	"	341,880	1181	37	131
YL2JZ	"	78,874	442	26	87
*YL3AD	A	425,952	797	85	263
*YL2IU	"	84,774	335	47	152
*YL3GGX	"	3,168	47	17	27
*YL2TD	28	52,752	219	29	83
*YL2AG	"	35,300	177	25	75
*YL2QV	"	6,201	50	18	35
*YL5W	21	231,240	723	36	128
*YL2PJ	3.5	49,920	487	15	65
*YL2GP	"	899	19	12	17
YL2KO	AA	6,106,618	3879	183	643
YL2TW	"	545,732	1137	82	232
(OP:YL9T)					
YL2TQ	"	343,989	453	102	231
YL2PA	"	259,380	367	91	239
YL2IP	"	112,931	346	60	161
YL2II	"	7,040	127	12	43
YL2KF	14A	51,211	357	22	61
YL7A	7A	253,139	825	35	128
YL3FW	3.5A	17,112	264	10	52
YL9T	1.8A	30,485	419	13	54
*YLØY	AA	3,183,314	2938	149	485
(OP:YL2GQT)					
*YL2TB	"	1,713,990	1914	130	440
*YL2HK	"	64,024	319	38	113

Lithuania

LY6A	A	3,900,309	4093	129	424

LY4T	"	1,993,419	2195	129	420
LY2MM	"	1,652,112	1759	128	400
LY2BKT	"	981,879	1678	85	326
LY3I	"	80,618	315	48	125
LY1BX	"	39,054	227	35	103
LY5O	"	19,032	179	18	43
LY8O	21	649,615	1708	36	137
LY2KA	"	151,093	475	31	108
LY2AX	14	3,354	60	13	30
LY2TS	3.5	19,176	230	14	54
LY7M	1.8	181,044	1311	22	85
*LY9A	A	3,602,886	3289	150	504
*LY5I	"	1,320,060	1690	120	370
*LY2OM	"	377,536	844	85	262
*LY2N	"	252,720	556	66	194
*LY2DV	"	68,460	315	65	145
*LY3Z	"	35,682	251	35	79
*LY2BBF	"	20,007	139	26	55
*LY2LF	"	16,936	159	24	49
*LY2AJ	"	11,858	124	21	56
*LY3ID	7	27,334	264	15	64
*LY2T	3.5	116,460	1155	16	74
LY2SA	AA	1,554,202	1528	141	457
LY2KM	"	395,326	809	84	230
LY3CY	"	363,419	967	58	211
LY2CX	"	299,976	878	57	175
LY1R	"	246,126	426	85	238
LY1CT	28A	56,448	239	25	87
LY2BAW	"	36,022	266	20	63
LY3BN	21A	142,800	369	36	132
*LY3B	AA	2,640,977	2425	148	529
*LY7Z	"	2,396,358	2108	143	526
					(OP:LY2TA)
*LY2NY	"	525,382	1086	85	249
*LY4Q	"	560	24	14	21
*LY2OU	28A	50,778	281	31	86
*LY1M	7A	5,922	77	13	34
*LY2RJ	3.5A	56,643	638	15	64

Luxembourg

LX1ER	A	77,748	199	74	154
LX1NO	AA	2,537,536	2918	122	374
*LX3DX	AA	7,440	79	17	43

Macedonia

Z33A	A	239,990	974	48	158
*Z35G	A	291,579	744	66	183
*Z35W	"	74,390	292	52	121
*Z33F	28	102,724	461	29	93
*Z31WW	14	17,175	273	17	58
*Z35F	AA	495,000	1098	78	222

Malta

*9H1CG	A	91,111	416	48	131
9H1XT	AA	427,977	894	78	219

Moldova

*ER1OO	21	309,281	1014	36	125
*ER1CS	14	11,766	104	17	36
*ER2RM	1.8	24,118	366	11	51
ER4A	AA	7,346,030	5192	171	614
					(OP:UT5UDX)
ER5AA	"	256,563	831	67	194
*ER6A	AA	2,263,940	2523	142	486
					(OP:ER1LW)
*ER3DX	"	1,995,928	1817	148	465
*ER3AU	"	459,846	912	92	262
*ER3ZZ	"	109,710	239	68	162
*ER5DX	"	67,280	180	55	90

Monaco

*3A2MW	AA	4,316	36	21	31
*IZ1GXA/3A	"	112	8	6	8

Montenegro

4O3A	A	9,135,711	6964	154	537

Netherlands

PA5KT	A	1,738,017	2560	100	287
PAØCYW	"	862,155	1294	89	302
PAØJNH	"	622,498	811	101	308
PG5M	"	233,700	439	73	212
PA3FQA	"	121,764	363	47	92
PAØGJV	"	120,783	349	48	115
PA3CJP	"	92,747	430	42	121
PA1BX	"	92,575	358	47	114
PA2ALF	"	91,688	351	46	111
PAØQX	"	30,576	241	32	66
PB5DX	"	6,936	82	18	33
PA9HR	"	5,396	57	17	21
PD3TRU	"	414	19	6	12
PAØWRS	28	8,319	55	20	39
PAØJED	21	201,967	722	35	104
PD1RP	14	180	18	5	7
PA1HR	1.8	34,688	495	10	54
*PA3ARM	A	576,720	1138	77	247
*PA2W	"	435,691	850	72	221
*PA3CVI	"	263,796	720	62	185
*PA3DBS	"	250,992	708	50	139
*PAØVAJ	"	244,440	698	66	186
*PA3BUD	"	219,042	489	65	193
*PD2JAM	"	203,280	591	49	127
*PC7T	"	188,031	407	76	193
*PA2PCH	"	172,560	501	60	180
*PA2GRU	"	164,058	519	59	163
*PA3ANN	"	158,673	619	53	180
*PA3HCC	"	124,898	481	46	151
*PE2JMR	"	119,540	412	54	161
*PA2CHM	"	103,828	329	61	141
*PA5GU	"	101,422	291	48	109
*PAØWLB	"	70,757	282	41	132
*PAØRBA	"	66,584	265	49	115
*PAØSKP	"	65,700	261	44	102
*PA3EWG	"	57,129	298	35	104
*PA3N	"	50,924	230	37	79
*PA3EEG	"	50,666	204	49	105
*PA2GWA	"	37,962	243	29	85
*PAØSIM	"	36,828	206	39	93
*PAØRHA	"	34,104	239	26	90
*PA3HGP	"	33,777	259	31	108
*PC5D	"	32,809	166	37	72
*PG1A	"	30,680	156	36	68
*PAØWKI	"	29,988	181	31	88
*PAØTCA	"	27,342	110	39	54
*PA5PR	"	19,536	125	30	58
*PA3GEO	"	12,879	110	27	54
*PAØATG	"	12,688	126	21	40
*PA1FJ	"	10,769	100	29	60
*PG2D	"	9,522	94	24	45
*PC3H	"	8,673	102	20	39
*PA3AFF	"	8,547	103	17	60
*PAØB	"	8,136	97	23	49
*PDØLFJ	"	5,355	75	18	45
*PAØJHS	"	4,796	54	18	26
*PA3EZC	"	2,535	35	16	23
*PG2W	"	1,392	48	7	22
*PA3CVR	"	1,295	25	15	20
*PA3GUD	"	646	41	10	24
*PDØRON	"	594	31	8	19
*PA3DAT	"	400	15	8	12
*PDØNMF	"	117	7	6	7
*PF7DKW	28	137,033	506	33	94
*PA3DTR	"	8,970	104	12	27
*PA2REH	3.5	99,858	940	15	74
PA3AAV	AA	3,441,382	3023	142	471
PE3V	"	2,043,478	2052	134	459
PA5WT	"	1,685,080	2067	115	400
PAØO	"	1,250,493	1324	153	370
PAØABM	"	1,030,120	1113	131	435
PA1T	"	766,300	1003	100	295
PAØLOU	"	470,111	811	87	230
PA3GVI	"	313,200	931	53	172
PA3GRM	"	136,644	461	51	126
PA5TT	"	116,441	297	52	117
PA2PKZ	"	88,077	466	46	111
PA3C	"	39,446	137	42	121
PA6K	"	38,745	220	33	90
					(OP:PA2AWU)
PI4DX	28A	232,284	853	35	121
					(OP:PA3EVY)
PA1AW	21A	558,569	1379	39	148
PA3EWP	7A	279,650	1103	37	133
PA3CWN	"	123,120	355	32	120
*PA3EMN	AA	447,468	842	67	227
*PA1M	"	301,443	511	67	200
*PD7BZ	"	187,590	534	47	138
*PA4PS	"	175,350	582	53	157
*PA3AQL	"	157,731	515	53	150
*PD5T	"	134,037	500	44	115
*PA7RA	"	115,575	378	55	146
*PA3HGF	"	107,793	298	55	122
*PAØQRB	"	107,780	312	52	118
*PA3GCU	"	105,952	388	40	114
*PD5B	"	19,383	143	25	46
*PA3AWW	"	17,296	157	26	66
*PA3FMC	"	15,760	200	15	65
*PA4EA	"	14,703	99	32	55
*PD3EM	"	10,944	103	21	36
*PA3EYC	"	10,742	79	34	48
*PA8KW	"	9,768	102	25	63
*PA3ACA	"	5,184	49	23	31
*PC8E	"	2,940	44	11	19
*PA2LP	"	2,418	50	10	21
*PD7RB	28A	20,553	173	19	32
*PAØMIR	21A	97,857	340	32	99
*PG5V	"	8,664	100	16	41
*PI4WLD	3.5A	1,204	41	5	23
					(OP:PAØHTS)

Northern Ireland

MIØBPB	A	173,507	529	56	137
*GI4DOH	A	1,161,616	2014	75	241
*GIØRQK	AA	1,697,834	2349	93	308
*MIØCLP	28A	39,864	253	18	48

Norway

LN8W	A	4,478,599	4140	133	436
					(OP:LB1GB)
LA2IJ	"	53,196	215	45	111
LN3Z	21	663,984	1844	39	135
					(OP:LA6YEA)
LA8XM	7	65,688	209	32	104
*LA3S	A	1,213,212	1822	95	309
					(OP:LA3BO)
*LA2HFA	"	357,840	749	63	217
*LA8HGA	"	167,400	732	35	89
*LA6DW	"	114,400	402	46	114
*LA9WDA	"	87,528	345	48	120
*LA7CL	"	40,320	241	34	94
*LA6GX	"	34,770	294	34	80
*LA2WRA	"	34,398	181	45	102
*LA9GY	"	10,465	140	22	69
*LA1EBA	"	1,782	29	15	18
*LA5UJ	21	24,120	218	19	48
*LA3RK	3.5	17,280	272	10	50
LA8OM	AA	2,130,446	2891	108	370
LA4RT	"	200,634	541	67	171
LA7SI	"	179,052	440	73	185
LB7Q	"	136,776	286	86	160
LA9DFA	"	950	14	12	13
LA2LI	21A	588	14	6	8
LA9TJA	7A	170,760	984	27	93
LA8AJA	"	66,825	403	24	75
LA2XPA	3.5A	6,969	59	19	50
LN9Z	1.8A	122,670	1253	16	74
					(OP:LB1G)
*LA5LJA	AA	1,103,055	1598	105	348
*LA8AW	"	358,614	619	67	194
*LA7DHA	"	240,295	625	63	194
*LA3ZA	"	147,084	429	62	176
*LA6ZFA	"	48,841	256	38	131
*LA3LJA	"	41,180	229	36	106
*LA6CF	"	18,602	96	27	44
*LA1K	21A	49,830	243	26	84
					(OP:DK2AB)
*LA7GIA	7A	37,471	268	23	78

Poland

SO2O	A	5,406,875	4087	161	464
					(OP:SQ2GXO)
SP2LNW	"	1,904,205	1987	129	426
SP9MZH	"	798,768	910	118	314
SP1MGM	"	787,674	1305	99	327
3Z5W	"	748,548	1989	59	180
					(OP:SP5KP)
SP9GR	"	696,960	1450	87	273
SP6IEQ	"	551,968	865	93	283
SP2FGO	"	431,607	842	79	240
SN7F	"	359,955	800	77	208
					(OP:SP7LFT)
SP3DIK	"	256,520	603	74	168
SQ7B	"	163,398	522	57	184
SQ6STH	"	109,000	225	87	163
SP8HXN	"	105,780	229	70	135
SP9LJD	"	100,434	496	30	84
SP7JQQ	"	69,608	169	65	89
SN2M	"	57,018	228	46	83
					(OP:SP2XF)
SP3SLU	"	53,562	173	51	107
SP7HOA	"	22,410	105	27	56
SP9VJ	"	7,696	65	21	31
SP3RBG	"	5,984	48	29	39
SP2EFU	"	3,876	29	23	28
SP3GXH	28	31,647	147	28	49
SP6DHH	14	8,556	152	8	38
SP8JMA	"	5,850	61	15	24
SP3GTS	3.5	226,170	1248	24	102
SP2FAP	"	819	23	6	15
*SP1AEN	A	1,205,100	1661	98	352
*SP5CNA	"	657,672	1082	104	298
*SQ3WW	"	506,000	797	89	279
*SP3DOF	"	390,507	781	91	232
*SP8CGU	"	345,400	663	73	202
*SP1PWP	"	298,700	698	79	211
					(OP:SP1IKK)
*SP3IOE	"	262,904	708	67	169
*SP6MLX	"	232,892	387	85	183
*SQ9EI	"	199,272	534	59	169
*SP4GHL	"	147,560	434	62	176
*SP3IC	"	145,780	405	53	144
*SQ7LQJ	"	137,344	365	57	175
*SP9CXN	"	121,888	443	53	155
*SP9IBJ	"	114,537	361	57	162
*SP6A	"	87,862	231	57	140
*SP9BWA	"	84,480	255	56	136
*SQ5JUP	"	82,080	263	66	114
*SP4CQU	"	80,337	225	60	123
*SP2HMN	"	79,261	218	59	110
*SP3HC	"	77,916	357	41	131
*SN9U	"	74,970	251	49	104
					(OP:SP9UMJ)
*SN9N	"	69,200	305	51	122
					(OP:SQ9ZM)
*SP7FRO	"	66,600	274	48	102
*SO8O	"	64,020	189	56	109
					(OP:SP8AJC)
*SP2HFH	"	60,897	255	47	112
*SN5B	"	54,397	257	40	93
					(OP:SP5SSB)
*SQ8AGF	"	54,058	204	49	102
*SP6TRX	"	48,450	197	38	112
*SQ6LJV	"	47,615	163	51	56
*SP9BGS	"	45,696	194	43	76
*SQ9JYK	"	40,680	165	46	74
*SQ7OXU	"	40,260	232	43	89
*SP9OHL	"	39,624	215	37	90
*HF8E	"	33,456	168	38	85
*SP9FWQ	"	27,864	159	37	92
*SP3GRQ	"	25,116	117	36	55
*SP5XOC	"	23,184	225	23	69
*SP5GRU	"	22,135	106	39	56
*SP4AVG	"	20,398	121	29	65
*SP2SV	"	19,600	74	37	61
*SP2MHC	"	18,816	140	39	73
*SP9CCA	"	18,018	222	37	89
*SP9CQD	"	17,135	91	42	73
*SP3OL	"	16,471	107	30	61
*SP3BJK	"	14,194	90	36	58
*SQ5LNU	"	13,585	130	25	70
*SP9MRO	"	10,540	80	26	42
*SP5GDY	"	10,106	78	28	34
*SP3EPG	"	9,095	50	36	49
*SN1T	"	8,094	72	28	43
					(OP:SQ1RET)
*SQ8LEC	"	7,308	88	22	41
*SP9IHP	"	5,217	50	18	19
*SP8GEY	"	4,704	38	23	33
*SQ2BNM	"	3,876	58	15	36
*SP6BSL	"	3,840	62	11	37
*SQ8LSC	"	3,600	42	19	26
*SP9WZA	"	3,315	54	17	34
*SQ8JMZ	"	840	32	11	24
*SQ2EEY	"	510	10	7	10
*SP6EIY	"	375	9	7	8
*SP2CA	"	216	6	6	6
*SP3LWP	28	137,862	417	33	105
*SQ9BDN	"	45,024	198	28	68
*SP2GCE	"	36,800	190	28	64
*SP8BVN	"	34,710	165	27	62
*SP2AYC	"	23,100	149	23	47
*SN9I	"	13,585	88	19	36
					(OP:SP9EMI)
*SP7OGP	"	10,864	105	17	39
*SP9DTH	"	7,685	91	19	34
*SP4AAZ	"	4,644	65	16	27
*SP1FPG	"	1,830	38	11	19
*SN7O	21	173,600	426	37	118
					(OP:SP7IVO)
*SP9OHY	"	86,358	335	27	84
*SP6LV	"	69,731	325	27	76
*SP9NLI	"	32,178	155	26	67
*SP6DMI	"	29,376	201	23	49
*SP7CVW	"	24,480	116	28	62
*SQ3BDQ	"	20,216	139	22	54
*SP1DMD	"	4,095	59	12	23
*SP9GPW	"	3,960	54	15	21
*SP2GCJ	"	1,200	20	8	17
*SO9D	14	143,032	560	35	117
					(OP:SP9DLY)
*SP4EOO	"	41,391	312	19	62
*SP9DUX	"	33,947	253	23	60
*SP3AZO	"	18,160	105	20	60
*SP2AEK	"	16,638	278	28	66
*SQ6ILJ	"	12,150	110	19	56
*SP9RI	"	11,774	121	17	41
*SQ3LLR	"	7,844	105	15	38
*SQ3MZM	"	3,888	90	8	28
*SP6OJE	7	230,124	1042	32	119
*SP3FHV	"	129,206	452	35	119
*SP9GKM	"	31,879	346	16	55
*SP4NDU	"	20,619	246	17	62
*SP3EQE	"	12,709	169	14	57
*SP9KJU	"	3,002	54	11	27
					(OP:SP9MDY)
*SP6PZG	3.5	31,423	451	10	57
*SN5J	"	30,600	373	11	61
					(OP:SP5JXK)
*SP3JUN	"	29,510	485	11	54
*SQ1EUG	"	3,572	112	7	31
*SP9EML	"	3,432	87	8	31
*SP9CLU	"	1,479	58	4	25
*SQ5MJW	"	260	26	4	16
*SP5ELW	1.8	7,900	170	7	43
SN7Q	AA	6,287,490	3857	180	623
SP4Z	"	5,262,234	3239	187	672
SP2QG	"	1,515,654	2089	113	370
SQ9IDE	"	505,080	603	96	318
SP8NR	"	383,005	552	92	261
SN6A	"	256,375	557	88	205
					(OP:SP6CES)
SO2W	"	226,526	648	59	132
SP9JZU	"	173,272	457	69	173
SP9KR	"	145,236	290	83	183
SP5GH	"	119,834	232	65	221
SP9DTE	"	61,490	188	47	83
SQ3A	"	48,112	213	37	87
SP6T	"	29,784	81	61	75
SP1MWK	"	23,051	106	42	47
SP2FWC	"	22,932	118	40	58
SP3CUG	"	6,916	63	28	48
SP7IIT	"	6,240	42	27	33
SP5BB	"	3,762	45	25	32
SP9KDA	28A	103,680	421	28	92
					(OP:SP6MQO)
SP5XO	"	42,448	186	30	82
SQ8GBG	"	72	4	3	3
3Z5N	21A	625,695	1610	37	140
					(OP:SP5GRM)
HF3A	"	594,000	1496	38	138
					(OP:SP3HRN)
SP3ASN	"	342,495	832	37	140
SN7C	"	269,010	651	38	145
					(OP:SP7CHS)
SN5W	14A	897,750	2255	39	151
					(OP:SP5UAF)
SP4JCQ	"	355,406	1056	37	129
SN1Z	7A	31,232	122	29	99
					(OP:SQ1EIX)
SP4JTJ	"	4,845	50	15	42
HF5D	3.5A	329,472	1622	30	113
					(OP:SQ5M)
SP5OXJ	"	208,684	1257	23	93
SP6AXW	1.8A	16,104	239	10	56
*SP1NY	AA	2,690,368	2169	148	514
*SP6ZC	"	1,184,024	1467	131	405
*SP5UD	"	621,355	1191	89	198
*SQ9JKS	"	513,352	904	85	271
*SQ8KFM	"	282,967	684	79	202
*SP7LIE	"	191,388	408	72	174
*SP7QHR	"	117,528	301	58	108
*SQ9FMU	"	92,787	260	50	107
*SQ9IAU	"	78,247	292	46	123
*SO8W	"	49,980	163	51	96
					(OP:SQ8JLN)
*SP6OWY	"	49,680	126	73	107
*SN5O	"	40,750	188	36	89
					(OP:SP5BYC)
*SQ1K	"	37,820	108	47	75
*SP6FJ	"	32,526	128	47	70
*SP5CIB	"	28,413	123	45	78
*SP2WGB	"	17,480	122	44	71
*SQ7NUR	"	9,350	87	26	59
*SP3TYF	"	4,960	56	20	42
*SQ1DWR	28A	90,610	318	31	99
*SQ9C	"	86,258	378	29	89
*SP5AUY	"	69,960	234	32	88
*SP1GZF	"	60,888	202	30	99
*SP1RKR	"	60,297	257	25	76
*SO8T	"	8,800	73	20	35
					(OP:SP8TJU)
*HF3T	21A	223,886	650	34	124
					(OP:SP3FYX)
*SP5ES	"	1,891	28	13	18
*SP1MHZ	14A	111,980	524	24	86
*SP6IHE	7A	9,177	75	23	34
*SP3PL	3.5A	71,064	745	17	77
*SP5ELA	1.8A	17,818	304	9	50
*SP8LBK	"	9,108	202	5	39

Portugal

CR6K	A	9,858,906	6241	168	579
					(OP:CT1ILT)
CT1IZW	"	39,560	181	34	81
CS2C	21	1,228,990	3380	38	143
					(OP:OK1RF)
CR6T	14	1,074,192	3274	37	131
					(OP:OH1NOA)
*CT1FAC	A	450	21	8	17
*CT2IOV	7	1,640	69	10	31
CT1IUA	1.8A	7,316	112	10	52
*CR7ACS	7A	137,200	537	29	111

Romania

YO4CAH	A	537,579	1223	94	277
YO9BPX	"	282,641	844	55	124
YO7LGI	"	276,208	549	83	200
YO6LV	"	150,480	396	67	142
YO2LEA	"	111,232	275	55	121
YO6ZS	"	55,800	201	49	106
YP6Z	"	45,600	166	48	72
YO2MFC	"	22,746	103	40	62
YO4CSL	"	899	18	12	17
YO8AXP	28	112,884	397	32	106
YO8KIS	7	97,188	823	20	64
					(OP:YO8BIG)
YO5BQQ	"	24,462	218	21	60
YO5CUQ	"	7,353	105	12	45
YO3FF	3.5	19,053	302	14	59
YO2MIL	"	13,671	218	14	49
YO3FFF	1.8	16,060	241	9	46
*YO9AGI	A	528,759	1270	72	255
*YR8D	"	449,568	1039	71	217
*YO5DAS	"	336,660	724	81	229
*YO2GL	"	293,754	687	71	212
*YO2MAX	"	252,966	451	72	194
*YO3BAP	"	212,432	477	73	199
*YO9CB	"	194,285	510	67	178
*YO3CBZ	"	172,653	458	68	179
*YO3GNF	"	168,950	493	52	166
*YO2CJX	"	167,418	709	52	161
*YO4SI	"	149,152	360	65	171
*YO4AAC	"	139,416	402	62	160
*YO5NY	"	115,836	385	54	143
*YO7CVL	"	101,898	329	52	110
*YO4KAK	"	98,610	349	54	136
					(OP:YO4BYW)
*YO5OBA	"	93,615	265	73	164
*YO7ARZ	"	92,184	416	39	99
*YO8RFS	"	80,223	314	49	138
*YO6HSU	"	80,099	249	57	116
*YO8BGE	"	64,170	197	57	98
*YO5CDF	"	59,348	355	40	108
*YO2MJZ	"	57,589	225	45	88
*YO2QY	"	53,955	158	62	103
*YO5TP	"	48,944	193	52	100
*YO3GCL	"	39,884	184	50	68
*YO4AST	"	29,718	230	36	91
*YO4RST	"	23,540	139	34	73
*YO4RXX	"	19,367	72	39	68
*YO7AWZ	"	18,920	123	31	57
*YO4GVC	"	17,113	140	33	76
*YO9FLD	"	10,350	70	24	45
*YO5PJF	"	9,694	91	20	54
*YO6DBL	"	8,618	86	15	47
*YO2AQO	"	8,424	57	30	51
*YO9GVP	"	8,215	97	14	39
*YO9IJP	"	1,950	83	23	55
*YO7LYM	"	1,230	145	22	60
*YO2MTG	"	1,008	24	10	18
*YO5ALI	28	84,668	389	30	92
*YO2IS	"	77,575	309	30	77
*YO3JV	"	11,214	117	20	43
*YO7MGG	"	5,340	49	23	37
*YO5BFJ	"	342	10	9	9
*YO8RHM	21	57,645	308	29	76
*YO8COQ	"	51,448	241	29	89
*YO9HG	"	28,032	240	17	47
*YO9CWY	14	69,920	481	21	71
*YO4BEX	"	47,932	412	21	71
*YO9FYP	"	819	26	7	14
*YO5ODT	7	35,112	298	17	60
*YO/TA2IJ	"	7,810	189	13	42
*YO4RHK	"	1,947	48	9	24
*YP2W	3.5	4,235	63	9	46
*YO9RIJ	1.8	15,176	284	10	46
YP9W	AA	6,466,665	4586	157	570
					(OP:YO9WF)
YP8T	"	3,934,458	3360	163	519
					(OP:YO8TTT)
YO3APJ	"	3,305,684	2573	148	544
YQ6A	"	2,129,964	1797	153	483
					(OP:YO6BHN)
YO5PBF	"	1,958,254	2118	135	416
YR9F	"	1,832,776	1623	143	506
					(OP:YO9FNP)
YO2DFA	"	533,861	686	116	333
YO5OHO	"	468,648	1160	73	210
YO3FOM	"	395,997	535	90	237
YO7ARY	"	327,420	666	89	217
YO6PVK	"	82,000	250	49	115
YR1A	28A	363,436	1069	37	135
					(OP:YO3JR)
YO9HP	"	241,681	641	36	137
YP3A	"	98,464	366	33	103
					(OP:YO3ND)
YRØW	"	23,534	117	30	52
					(OP:YO9SW)
YR5T	7A	161,324	936	27	97
					(OP:YO5CBX)
YO3JW	"	45,240	241	28	102
*YO3FRI	AA	1,217,700	1451	128	367
*YO5OHY	"	402,780	696	73	201
*YO3JF	"	266,500	371	89	236
*YO5CRQ	"	182,248	310	84	134
*YO3FOU	"	101,260	306	51	115
*YO9IF	"	70,092	238	55	122
*YO5OLD	"	41,571	297	27	66
*YO4HHP	"	25,228	218	27	79
*YO3CVG	"	14,976	146	39	105
*YO6KNE	"	924	14	10	12
					(OP:YO6CFB)
*YO3GLH	21A	71,683	392	24	73
*YO5AVN	14A	47,985	277	28	77
*YO4RDW	7A	101,834	527	24	94
*YO2AQB	1.8A	6,713	224	7	42

Sardinia

*ISØXDA	A	245,820	462	61	180
ISØAFM	AA	1,632,204	2676	87	270

Scotland

GM3YTS	A	1,676,422	1922	108	313
GM3WUX	"	1,622,835	2692	93	312
MM3N	"	456,399	879	83	240
					(OP:GM4SID)
GM5M	"	74,820	264	45	84
					(OP:GM4ZNC)
GM3JOB	"	64,350	428	39	104
GM3X	21	638,687	1831	36	125
					(OP:GM3POI)
GM5X	"	519,322	1831	33	113
					(OP:GM4YXI)
GM3C	14	58,331	436	23	68
					(OP:GMØNBM)
*GM1BSG	A	187,370	449	59	146
*GM4HQF	"	112,955	405	40	105
*MM6XZX	"	1,120	31	12	20
*GMØBKC	7	20,952	209	17	55
*GM4AFF	1.8	61,628	798	11	60
*GMØGFL	"	1,392	51	6	23
					(OP:MMØXAU)
MM2N	AA	1,582,200	2011	129	411
					(OP:MMØGPZ)
MMØAMW	"	904,280	1195	81	215
GMØFGI	"	208,810	492	62	204
MM3T	28A	202,504	749	27	109
					(OP:GMØELP)
*GM4WZG	AA	522,399	1132	74	265
*GM8M	"	181,800	647	58	167
					(OP:GMØWED)
*GM4UYZ	14A	3,542	61	12	34

Serbia

YU1CC	A	165,168	314	88	208
YU3W	"	20,800	104	40	60
					(OP:YU1MM)
YT1T	28	38,844	274	22	61
YU1KX	21	757,212	2040	38	140
YU5A	"	637,500	1896	34	116
					(OP:YU1EW)
YT3A	14	670,491	2043	37	134
					(OP:YU7AV)
YT7W	"	369,551	1640	34	97
					(OP:YU2M)
YT2ISM	"	80,780	801	19	51
YU1LA	7	1,252,693	3564	39	134
YT7A	"	814,810	2365	37	133
					(OP:YU7GW)
YT4A	3.5	138,904	1006	20	77
					(OP:YT1AA)
*YU1EL	A	1,110,330	1281	128	379
*YU1FG	"	437,400	881	77	223
*YU5C	"	272,832	874	61	171
*YU7FN	"	125,122	460	41	105
*YT2MS	"	84,824	348	46	138
*YU7AF	"	44,916	315	32	82
*YU7RL	28	166,140	548	33	97
*YT9W	"	156,009	505	35	98
					(OP:YU5ZM)
*YU1JF	"	52,630	216	28	67
*YU7KM	"	37,664	225	28	60
*YT1MN	21	11,856	146	14	43
*YU1AT	"	561	25	6	11
*YU1TY	14	52,812	354	28	80
*YU1SV	7	121,024	620	28	96
*YU1AO	"	53,700	265	22	78

*YU7D	"	19,880	187	12	58
*YT2AA	3.5	35,178	398	14	64
*YU1JW	1.8	30,680	601	10	49
YT7R	AA	3,662,494	3055	152	449
(OP:YU7BW)					
YT7AW	"	3,107,720	1719	162	608
YT9A	28A	525,980	1346	37	145
YT5M	21A	512,082	1680	37	125
YT4W	14A	687,225	2203	37	138
(OP:YU1DW)					
YTØA	"	594,854	1925	38	129
(OP:YU1XX)					
YU7U	3.5A	214,700	1240	27	86
*YU1KT	AA	335,688	902	74	210
*YU2U	"	210,784	591	54	170
*YU6MM	"	1,760	44	13	19
*YT2B	28A	226,953	636	35	132
*YU8NU	"	11,501	105	17	36
*YU5M	21A	209,124	670	36	121
(OP:YU5GM)					
*YT5N	"	104,640	455	31	89
*YT7B	14A	341,955	1385	36	113
*YU1ED	"	76,255	459	25	76
*YU2FG	7A	541,814	1740	36	133
*YU2A	"	384,088	1437	35	129
*YU1TO	"	12,342	149	18	48
*YT2AAA	3.5A	141,474	1129	21	81
*YU5T	"	64,350	772	11	64
(OP:YU1JU)					
*YT1ZA	"	22,550	237	18	64

Shetland and Fair Isle

MZ5B	28	29,172	270	15	63
(OP:G3WVG)					
MMØXAU	21	18,980	157	16	49
*MZ8A	28	1,512	38	7	14
*MSØZET	21	5,754	99	12	30
GZ5Y	AA	82,248	377	41	97
(OP:GM4SSA)					

Sicily

IW9HHB	A	346,175	946	70	235
IW9FI	"	23,226	177	32	66
*IT9ZAU	A	275,945	914	59	182
*IT9AJP	"	84,987	245	59	154
*IT9UCS	"	79,924	305	61	151
*IT9BWE	"	15,744	151	39	89
*IT9NVA	14	46,050	521	19	56
*IT9BXR	"	18,644	253	14	45
*IT9IZY	7	23,940	370	14	56
IT9MUO	28A	339,675	1033	37	138
IT9RBW	7A	108,692	631	26	90
IT9IMJ	3.5A	1,073	49	6	23
*IT9CEL	AA	143	11	6	7
*IT9RKR	21A	1,890	38	11	24
*IT9LKX	14A	118,860	791	24	81
*IT9PPG	"	31,208	278	17	66
*IT9RZU	3.5A	79,894	785	15	71
*IT9SFT	1.8A	3,780	95	6	39

Slovak Republic

OM7RU	A	2,202,984	2260	134	424
OM3IAG	"	916,566	1341	113	304
OM3TZO	"	56,100	252	53	112
OM4KW	"	1,750	18	17	18
OM5WW	14	275,940	1163	36	104
*OM5NL	A	1,277,783	1417	106	327
*OM7OM	"	766,260	1271	89	307
*OM8ON	"	646,235	724	116	305
*OM7AG	"	509,275	1148	74	251
*OM8FR	"	458,552	891	82	262
*OM6AL	"	382,930	1050	74	224
*OM7ZM	"	357,504	631	98	238
*OM4DN	"	318,330	749	72	198
*OM3ED	"	309,920	572	70	190
*OM3PQ	"	194,484	488	57	171
*OM7AX	"	186,750	571	67	182
*OM3BA	"	172,704	427	61	196
*OM2IV	"	167,700	486	61	154
*OM2DT	"	149,430	350	76	217
*OM8ART	"	99,166	358	51	128
*OM7SR	"	93,720	334	58	162
*OM6MS	"	90,598	442	48	146
*OM5MX	"	81,949	314	46	115
*OM7LM	"	37,835	187	34	81
*OM7AT	"	30,624	303	33	99
*OM8FF	"	30,555	193	25	72
*OM8LM	"	21,032	185	21	67
*OM2AW	"	9,842	63	28	46
*OM3CQF	"	288	9	9	9
*OM8AQ	28	5,712	47	19	29
*OM8KW	"	216	8	6	6
*OM2AM	21	57,618	280	29	70
*OM3TRT	"	256	15	7	9
*OM3TB	14	95,130	569	27	78
*OM3ZWA	7	206,448	1170	28	104
*OM3RP	"	43,300	207	23	77
*OM6TX	"	37,653	382	15	62
*OM3CDN	"	25,050	223	14	61
*OM4WW	"	9,680	77	16	39
OM4EX	AA	2,256,705	1673	168	537
OM4XA	"	1,251,312	1364	122	402
OM5X	"	429,525	683	90	255
(OP:OM5XX)					
OM3TSZ	"	8,784	71	27	45
OM8LA	21A	183,375	519	36	127
OM7PY	"	140,008	403	33	115
OM4J	"	46,917	165	29	88
(OP:OM4JD)					
*OM3R	AA	319,930	810	70	229
(OP:OM3CFR)					
*OM5UM	"	124,096	421	58	166
*OM4DU	"	80,997	319	53	150
*OM7YC	28A	17,496	86	30	51
*OM3DX	14A	166,895	676	36	109
*OM4O	"	5,809	100	10	27
(OP:OM3NI)					

Slovenia

S53MM	A	6,252,230	4872	150	440
S53XX	"	3,298,365	3116	138	417
S52OP	"	2,034,480	2169	125	365
S58Q	"	238,051	714	49	160
S51NM	"	201,803	403	74	153
S57C	21	549,920	1755	35	105
S51FB	14	23,664	259	14	37
S57CC	3.5	8,686	192	8	35
(OP:S57C)					
*S5ØA	A	4,681,296	3166	159	525
*S51F	"	2,608,824	2202	137	431
*S57U	"	1,317,162	1619	117	345
*S57A	"	187,868	475	76	192
*S55N	"	163,615	381	63	152
*S51ZJ	"	156,420	547	51	147
*S58RU	"	151,368	496	69	169
*S57YK	"	47,700	262	24	76
*S59MA	"	27,913	189	28	75
*S52CU	"	2,856	41	15	27
*S54A	28	164,550	462	35	115
*S57KW	21	198,373	791	30	89
*S52GO	14	198,520	787	32	108
*S57NAW	"	97,370	459	30	100
*S51J	7	13,608	221	10	46
*S53AR	3.5	18,054	382	9	50
S59ABC	AA	7,179,840	3978	179	631
(OP:S51DS)					
S57DX	"	5,356,470	4060	158	532
S57AL	"	5,308,695	3646	152	513
S59AA	"	2,016,399	1679	142	467
S55O	"	1,434,432	985	162	561
S55Z	"	1,312,796	1869	112	324
S58N	"	1,172,375	951	143	422
S51DI	"	697,798	640	135	319
S54O	"	500,088	790	104	298
S55OO	"	420,180	809	80	218
S51Z	"	382,242	597	77	189
S57WJ	"	364,812	743	72	186
S5ØU	"	170,716	783	26	72
S5ØK	28A	511,530	1306	37	140
S53O	"	304,551	901	36	135
S5ØR	"	293,160	859	36	132
S57Q	"	282,572	787	36	128
S52AW	7A	820,400	2813	37	138
S56X	"	754,400	2668	34	126
S57Z	"	752,700	2641	34	122
S51DX	"	32,495	404	15	52
S53V	3.5A	138,912	1129	18	78
S51V	1.8A	222,099	1526	21	80
S52X	"	87,318	971	16	65
S57M	"	83,166	892	16	67
S5ØB	"	41,099	501	12	61
*S5ØXX	AA	3,398,188	2504	165	568
*S54X	"	2,409,075	1830	144	501
*S56CW	"	930,810	1966	93	262
*S52AU	"	280,630	601	69	197
*S51MF	"	245,385	428	91	194
*S57KM	"	165,680	489	62	128
*S57ZT	"	64,464	248	50	108
*S52WW	"	14,976	114	28	36
*S57S	28A	47,124	215	28	56
*S53F	21A	495,968	1286	37	139
*S52W	7A	295,054	1327	31	120

Spain

EF5F	A	3,744,900	4339	112	363
(OP:EA5FV)					
EC7CW	"	1,196,222	2149	83	219
EA7AN	"	131,981	406	51	140
EF7R	"	13,860	122	21	42
ED3T	28	506,548	1415	36	122
(OP:EA3AKY)					
EA5YU	"	178,615	655	35	104
EA5GIE	"	3,276	47	15	24
EA7HLU/EA1	1.8	546	41	6	20
*EF3A	A	3,135,995	3072	129	448
(OP:EA3KU)					
*EA4FLY	"	647,322	925	89	297
*EA2BNU	"	631,800	1094	70	242
*EA7WA	"	550,528	988	72	200
*EA5DD	"	497,552	1200	62	195
*EA1VT	"	480,255	900	72	231
*EA3DWX	"	266,509	598	67	190
*EA1JO	"	191,586	454	63	159
*EB5CS	"	186,732	537	45	126
*EA3GLB	"	174,484	377	68	173
*EA4ESP	"	170,488	481	56	155
*EA4FL	"	166,192	474	57	151
*EA2CFR	"	145,386	358	56	141
*EA3BOW	"	141,856	453	64	144
*EA2GM	"	117,832	551	43	163
*EA2DPA	"	69,886	307	50	116
*EA1CS	"	65,808	352	39	105
*EA5HRT	"	55,784	256	47	105
*EA7AZA	"	55,320	225	40	80
*EA7VJ	"	53,482	175	43	100
*EC7AT	"	51,200	220	41	87
*EA2SS	"	28,490	213	23	87
*EA4XT	"	27,064	183	30	38
*EA1OJ	"	25,024	111	40	52
*EA2GC	"	24,570	223	40	95
*EA5TD	"	15,330	78	27	46
*EA7AHA	"	14,729	64	44	59
*EA3AVV	"	14,508	140	19	59
*EA2IF	"	12,236	105	20	56
*EA2RW	"	10,919	88	21	40
*EA4FIT	"	4,738	81	12	34
*EA7GTJ	"	4,092	45	21	41
*EA5DM	"	1,224	20	11	13
*EA7OT	28	112,216	554	28	76
*EA5XA	"	112,035	558	27	78
*EA5CP	"	45,050	276	21	64
*EA3NA	"	11,658	118	20	47
*EA4OA	"	3,990	80	13	29
*EC5AGM	"	3,280	38	13	27
*EA4BNQ	"	660	21	8	12
*EA1ND	14	104,480	774	20	60
*EA3DU	7	190,809	964	25	86
*EA4MZ	"	28,860	217	16	62
*EB7CIN	"	6,962	110	13	46
*ED7T	3.5	35,816	390	17	71
(OP:EA7GSU)					
*EA3GHZ	"	21,352	205	16	52
*EA2SW	1.8	1,891	63	6	25
*EA1DFP	"	280	12	4	10
EA7TG	AA	3,851,130	3047	147	468
EF1A	"	2,547,500	2400	115	385
(OP:EA1XT)					
EA2NN	"	1,369,368	2350	77	235
EF5T	"	340,065	885	69	228
(OP:EA5HT)					
EC7AMY	"	337,620	894	66	189
EA5ARC	"	302,456	514	83	225
EA1WX	"	243,712	403	71	167
EA1BLA	"	231,494	406	79	204
EA3CEC	"	203,841	305	100	219
EA3KN	"	152,302	252	90	181
EA5DFV	"	123,750	313	47	118
ED5N	"	39,984	250	27	57
EA1AW	"	29,211	158	33	58
EA7HGX	"	224	9	7	9
EA3EYD	14A	12,084	94	18	58
EA3NT	7A	787,908	2256	39	149
EA3AKA	3.5A	13,000	146	13	52
*EA1NK	AA	543,508	1035	75	254
*EA1JK	"	282,388	606	56	171
*EA4CWW	"	223,212	381	82	185
(OP:UY7CW)					
*EA5DKU	"	216,752	384	74	174
*EA2AZ	"	200,736	722	38	115
*EA7MT	"	142,545	295	79	142
*EA1CBX	"	130,076	460	37	87
*EA5XY	"	114,260	319	56	141
*EA3BHK	"	66,600	156	58	127
*EA4EQD	"	51,597	189	35	82
*EA4IE	"	5,850	67	19	31
*EA3NO	28A	180,000	632	32	93
*EF7T	"	104,125	442	29	90
(OP:EC7AKV)					
*ED7D	"	89,112	457	24	70
(OP:EA7KJ)					
*ED5W	"	2,052	66	12	15
(OP:EA5DWS)					
*EA3VN	21A	51,332	303	21	61
*EB1TR	14A	89,987	515	24	83
*EA2BD	"	54,312	370	23	70
*EA1WK	"	23,976	163	16	65
*EA5YI	3.5A	57,939	511	15	74

Sweden

SJ2W	A	5,926,944	4491	157	485
SEØX	"	2,134,024	2878	123	365
(OP:SMØMDG)					
SM6BGG	"	1,145,738	1595	113	305
SE6Y	"	931,997	1388	109	330
(OP:SM6DED)					
SM5CCE	"	685,125	1165	95	280
SM5Q	"	557,810	773	116	345
SM6CPY	"	340,095	1003	73	214
SA1A	"	292,080	976	58	182
(OP:SM1TDE)					
SM6NM	"	247,908	542	79	204
SM6JCC	"	211,958	442	82	180
SM6CMU	"	78,624	244	45	63
SM7C	"	75,143	285	50	113
(OP:SM7CFZ)					
SM6IQD	"	60,350	239	49	121
SM7LPY	"	15,048	62	31	57
SM4TU	"	8,987	76	19	24
SM5CZQ	28	81,770	315	31	99
SK3W	21	536,307	1618	36	123
(OP:SM3SGP)					
SLØW	"	171,820	577	34	108
(OP:SMØAJU)					
SE5E	14	842,160	2592	37	128
(OP:SM5AJV)					
SM5F	"	38,193	310	22	65
(OP:SA5BJM)					
SA5M	"	1,032	43	5	3
SM6DHU	3.5	35,802	326	15	63
SM2CEW	1.8	27,390	410	11	55
*SM3C	A	935,508	1338	94	350
(OP:SM5CCT)					
*SM5CSS	"	506,212	909	81	277
*SI5Y	"	258,070	704	67	195
(OP:SM5BKK)					
*SM2BJS	"	213,144	732	51	198
*SM3X	"	188,009	499	64	165
(OP:SM3CVM)					
*SM6FPG	"	185,328	624	64	200
*SM6GBM	"	115,584	365	57	135
*SJ4H	"	106,029	388	47	140
*SM6Z	"	104,804	293	61	136
(OP:SM6BZE)					
*SM5S	"	52,662	306	30	104
(OP:SM5SIC)					
*7S3J	"	48,804	206	47	119
(OP:SM3DZH)					
*SM6AHU	"	33,250	239	34	99
*SM5ACQ	"	31,369	161	37	90
*SF7F	"	27,840	170	39	81
*SM4DQE	"	23,320	185	30	80
*SMØBYD	"	16,490	87	38	59
*SM3EAE	"	13,529	118	28	55
*SD6M	"	9,744	127	25	59
(OP:SA6BGR)					
*SM4JSF	"	8,532	71	30	49
*SA6W	"	3,355	47	19	36
(OP:SM6PVB)					
*SA7AOI	"	1,008	32	9	19
*SM5IMO	28	105,469	427	29	104
*SM6DPB	"	1,173	26	8	15
*SB3W	"	286	10	7	6
(OP:SM3RAB)					
*SM7CIL	21	72	4	3	3
*SM6DER	"	24	2	2	2
*SM2CVH	14	50,052	266	24	73
*SMØNEZ	"	22,599	192	22	59
*SMØFPR	"	176	9	4	4
*SMØS	7	102,951	441	29	94
*SM5KQS	"	3,420	34	15	23
*SGØM	"	2,624	47	11	21
*SM6BWQ	"	24	2	2	2
*8S6A	3.5	9,870	200	7	40
(OP:SM6DPF)					
*SM7MX	1.8	32,428	495	11	56
(OP:SM5MX)					
SE6E	AA	2,229,210	2671	137	390
(OP:SM6FUD)					
SK2T	"	2,039,218	1783	139	490
(OP:SM2LIY)					
SM6NOC	"	826,760	999	105	335
SM5D	"	821,916	590	158	553
(OP:SM5DJZ)					
SGØU	"	762,482	736	121	388
SM5CIL	"	735,908	932	109	312
(OP:SM7CIL)					
SM5FUG	"	393,723	737	91	278
SM5EPO	"	323,640	543	79	211
SMØMPV/Ø	"	288,100	323	115	315
SI2E	"	251,312	577	68	210
7S5Q	"	197,448	419	65	163
(OP:SM5COP)					
SM7E	"	162,610	445	68	162
(OP:SM7BHM)					
8SØW	"	119,686	304	74	132
(OP:SMØNJO)					
SJ4F	"	46,151	123	58	75
(OP:SM4DHF)					
SM3PHM	28A	10,074	76	20	53
SM6CNN	21A	446,772	1067	38	148
SM5CEU	"	258,649	681	38	143
*SM6FKF	AA	600,369	1135	83	256
*SFØD	"	279,816	699	63	204
(OP:SMØDSF)					
*SE6N	"	182,054	598	55	172
(OP:SA6AXR)					
*SMØBSO	"	129,000	399	54	161
*SM5C	"	124,928	306	74	182
(OP:SM5CBM)					
*SM5CNQ	"	105,228	310	53	184
*SI6W	"	70,052	276	45	121
(OP:SA6AQP)					
*SM1WRA	"	32,769	133	43	56
*7S7V	"	12,284	105	21	53
*SM6RXZ	"	360	35	12	28
*SM2ODB	7A	52,836	328	24	87

Switzerland

HB9TST	A	106,650	329	55	170
HB9FMN	"	64,176	147	71	120
HB9AZZ	"	31,850	150	34	57
HB9FBG	3.5	26,650	384	12	53
*HB9ARF	A	1,182,237	1730	96	303
*HB9WDY	"	66,861	302	44	127
*HB9HQX	"	47,302	301	32	102
*HB9ELD	"	24,617	128	33	70
*HB9/RV3DH	"	17,334	156	23	58
(OP:RV3DH)					
*HB9AFH	28	6,030	59	23	44
*HB9CSA	7	6,251	106	9	38
HB9CIC	AA	718,620	1026	90	258
HB9IQB	"	72,556	210	54	133
HB9CZF	28A	396,643	1043	34	135
HB9DHG	7A	94,017	801	15	62
HB9JOE	3.5A	8,340	141	9	51
HB9LCW	1.8A	85,764	814	16	68
*HB9JNM	AA	3,450	40	16	34

Ukraine

UU7J	A	4,653,684	3782	167	541
(OP:UUØJM)					
UX5UO	"	924,760	1091	122	366
US5E	"	699,264	1178	91	293
(OP:UR7EQ)					
US7IA	"	645,437	1345	97	282
URØIQ	"	604,170	966	97	314
UU6JJ	"	510,748	649	112	364
UX4UA	"	457,900	688	108	272
UX3HA	"	408,870	973	75	255
UR5AO	"	157,605	343	80	205
US3IY	"	129,591	301	76	155
UU1JO	"	90,447	307	46	131
UY2RA	"	45,840	241	37	83
US7IM	"	45,396	335	26	91
UT8IO	"	40,248	197	43	86
USØQG	"	39,562	255	29	102
US7UU	"	39,198	236	33	106
UT3UV	"	30,940	193	37	93
USØVA	"	30,849	110	40	73
USØZK	"	23,730	153	30	83
UR5WIK	"	14,874	240	14	60
US5LO	"	3,402	63	10	11
UT4PZ	"	3,315	29	19	20
UU5AB	"	432	9	8	8
UVØI	28	308,826	1075	37	134
(OP:UR5IFX)					
UT3LW	"	116,028	480	32	100
UR6IJ	21	160,360	559	36	116
UT6IS	"	5,474	96	11	35
UT7IF	14	81,464	314	34	102
UT7EZ	3.5	130,289	880	22	91
UX5I	"	59,283	900	11	52
(OP:UT5IZ)					
UT7DU	"	15,288	367	9	40
UYØZG	1.8	101,802	855	19	75
UXØLL	"	78,142	760	18	71
*USØSY	A	1,248,156	1434	117	391
*UR5MM	"	1,088,512	1281	126	386
*UU2J	"	821,792	1250	102	319
*UT3UZ	"	791,190	1081	105	342
*UT2LU	"	649,536	1108	95	313
*UR2VA	"	639,324	658	109	278
*UT3I	"	575,016	947	95	293
(OP:US2IHS)					
*UW7M	"	563,850	1169	83	267
(OP:UR3MP)					
*UX7FD	"	509,366	1001	75	263
*UR4IZ	"	490,630	1044	76	250
*US1PM	"	446,709	809	85	238
*UY5TE	"	421,170	987	69	234
*UY3MW	"	414,720	849	78	246
*UU9JH	"	395,968	638	95	273
*UYØCA	"	369,908	699	88	220
*UT7NY	"	351,624	787	79	220
*UT8NQ	"	331,194	884	69	220
*UR5WX	"	319,818	735	75	227
*UT2QQ	"	264,504	638	74	235
*UR5EPV	"	257,075	747	80	245
*UX2MF	"	254,835	523	87	228
*UY2ZZ	"	245,905	620	66	197
*US7LM	"	225,338	367	97	210
*UT2DW	"	202,391	514	57	146
*UR6LAF	"	201,815	548	57	166
*UT2LF	"	201,040	510	73	207
*UR5ETN	"	199,290	531	67	206
*US8UA	"	191,394	430	79	200
*UY5QJ	"	183,313	311	69	170
*UT5UIA	"	157,781	384	71	158
*UT7LW	"	146,025	316	80	215
*UU9JK	"	139,239	602	44	147
*UT1PO	"	136,437	315	62	157
*UR5EIT	"	130,816	363	63	161
*UT8UD	"	129,744	443	49	163
*UX1IB	"	128,736	435	59	157
*UU9JR	"	127,624	271	70	142
*UU7JD	"	125,334	378	54	144
*UT4UB	"	120,801	355	58	143
*UW7RV	"	119,116	319	57	137
*UX3HX	"	115,920	300	79	128
*UR7QL	"	113,918	444	50	156
*US7IT	"	111,159	266	69	110
*UR5MSW	"	109,350	299	65	160
*UX7FC	"	106,977	364	57	154
*US5EEK	"	105,564	274	64	164
*UT2HC	"	104,030	284	61	141
*US5XD	"	103,075	193	79	138
*UTØCK	"	101,061	356	51	146
*UR5GGL	"	98,987	400	46	133
*UX7MR	"	92,862	331	55	146
*UU1JE	"	88,466	265	48	130
*UR4MF	"	86,830	287	57	133
*UT7VR	"	83,025	235	65	140
*UR4IOR	"	76,925	221	60	121
*US2IW	"	71,232	166	67	92
*UR5XMM	"	70,784	311	43	115
*UW7CN	"	65,832	190	68	143
*UT7HM	"	65,148	223	54	129
*UT8IK	"	64,790	163	70	139
*UX7MA	"	61,380	154	67	98
*US3IRX	"	58,870	163	55	90
*UR3PGW	"	58,546	205	33	113
*UR5KED	"	54,636	196	53	104
*UT5EPP	"	54,279	300	39	124
*UX1CL	"	52,197	306	29	98
*UX3IW	"	49,063	134	68	95
*UU9JCB	"	46,683	189	43	128
*US3ITA	"	45,904	204	47	105
*UY5ME	"	45,453	274	31	108
*USØU	"	44,988	220	39	99
*UU4JQE	"	44,100	161	48	92
*UU4JO	"	41,503	258	32	89
*UR8GX	"	41,418	236	32	86
*UR5UBR	"	38,364	184	45	93
*UX2HB	"	35,673	192	43	98
*UX5TQ	"	34,780	122	47	101
*UR7INK	"	34,290	199	37	98
*UT5ZY	"	32,092	132	55	87
*US1UX	"	26,864	121	40	52
*UT2AA	"	26,386	109	52	106
*UU9JQ	"	23,800	100	39	46
*UR5FS	"	22,528	140	34	54
*UT4UP	"	20,200	85	44	57
*UT7MR	"	18,894	125	29	65
*US2IF	"	18,297	107	34	73
*UY7IS	"	16,244	217	29	95
*UTØNI	"	12,019	122	35	66
*UT6LX	"	10,625	53	37	48
*UR5NV	"	7,760	71	27	53
*UR2MO	"	4,459	37	24	25
*UT4MW	"	4,095	67	24	41
*USØMF	"	2,574	55	9	24
*UT4EU	"	2,132	48	11	30
*UR3IDD	"	1,716	34	11	22
*UR4LIN	"	1,260	101	21	63
*UX3IA	"	352	8	8	8
*US5IIM	"	300	12	9	11
*UR5CC	"	150	5	5	5
*UU7JM	"	24	2	2	2
*UW8SM	28	137,232	425	33	111
*US7IVW	"	81,765	342	29	86
*US8IM	"	81,220	332	31	100
*US3IP	"	35,720	184	27	67
*UY5YA	"	10,980	103	19	42
*UR5AW	"	10,800	96	20	40
*UT5ULQ	"	5,282	73	15	23
*UT7LA	21	149,319	573	32	109
*UT8UL	"	115,764	414	30	102
*UXØUW	"	105,300	361	30	87
*UT3QU	"	103,808	414	31	97
*UT3EK	"	81,664	370	28	88
*UY2IZ	"	52,625	205	33	92
*UT5PQ	"	29,988	151	24	60
*UR5KJK	"	24,850	180	21	50
*UT5CY	"	4,635	59	13	32
*UT5UML	"	1,575	33	8	17
*UT3EV	14	143,052	847	33	98
*UX7U	"	123,540	643	27	89
(OP:UX7UA)					
*UT3SO	"	70,462	504	23	75
*UR5EFL	"	50,760	369	23	71
*UX7QD	"	48,360	447	18	60
*UR5PG	"	28,290	196	21	61
*UY5LM	"	19,600	206	17	53
*UR5EU	"	17,496	162	17	55
*UT1XX	"	17,220	149	18	52
*UT7MD	"	7,524	77	14	43
*UR5KO	7	82,010	458	25	93
*UT4AA	"	79,640	498	25	85
*UX1CW	"	63,546	437	21	81
*US7WW	"	51,918	248	26	76
*UX6IB	"	45,080	323	22	70
*UT5PY	"	30,856	290	17	59
*UT5UQN	3.5	81,172	702	18	73
*UY2UQ	"	52,983	796	12	51
*UW1WU	"	43,143	506	14	59
*US5ELM	"	20,740	241	13	55
*US7IID	"	20,400	343	11	49
*UR7ZO	"	19,200	226	14	61
*UTØUM	"	9,776	197	7	40
*UY5AR	1.8	15,860	240	13	52
*UT7UA	"	13,019	256	7	40
*UY5AA	"	9,918	157	11	46
UW3U	AA	5,217,455	3199	180	641
UW5U	"	3,024,390	2464	176	554
(OP:UY2UA)					
UWØK	"	2,917,635	2168	174	603
(OP:USØKW)					
UV5U	"	2,219,434	1979	154	504
(OP:UX1UA)					
UX4U	"	1,736,920	1214	158	534
US3IZ	"	1,715,076	2215	126	423
UT2UB	"	1,135,380	1409	124	384
UT8IT	"	828,366	1101	106	356
UTØRM	"	682,080	1483	79	215
UR5FEL	"	580,736	886	110	306
UT6EE	"	425,350	687	98	264
UY7QN	"	324,720	586	90	240
UY7LM	"	193,041	601	65	202
UR7LY	"	152,736	258	91	167
UR4LRQ	"	108,480	183	79	147
(OP:UZ4L)					
UT3WX	"	80,262	470	25	101
UT5YY	"	54,096	214	51	110
USØLW	"	53,573	136	67	102
UU4JC	"	47,815	173	41	90
UY8IO	"	39,520	196	45	107
UT4WA	"	39,330	145	38	77
UR8RF	"	14,065	61	42	55
UR7EZ	"	11,096	60	31	45
UT2RZ	"	5,104	37	23	35
UT8EU	"	4,042	36	16	31
UW5ZM	"	1,953	21	12	19
UU2JQ	"	616	11	11	11
UZ5Q	28A	88,200	366	31	109
(OP:UY5QZ)					
UT1IA	"	74,550	254	33	117
UY5QO	"	55,564	198	33	83
UW1M	21A	583,484	1756	37	141
UX1UF	"	336,688	912	39	137
UX1IL	"	199,795	741	34	121
UZØU	14A	395,460	1303	38	131
(OP:UY5ZZ)					
UW4I	7A	823,768	2680	39	145
(OP:UY5VA)					
UW5Y	"	518,752	1797	36	136
(OP:US2YW)					
UX5D	"	422,293	1541	35	138
UW3L	3.5A	270,715	1347	31	114
UXØFF	"	7,406	129	11	35
UY3AW	"	2,368	67	7	25

US8ICM	1.8A	75,735	618	21	78
UR5AKU	"	17,537	190	14	57
UZ5ZV	"	6,837	115	8	45
UT2UU	"	4,900	138	6	29
*UT9FJ	AA	1,477,101	1184	145	502
*USØHZ	"	1,349,392	1847	114	370
*UT5EO	"	1,295,406	1730	109	374
*UR5IFB	"	1,230,957	1519	118	383
*UX1UX	"	1,084,980	1775	108	320
*UY2IG	"	986,850	1326	107	352
*UT5IA	"	823,762	1164	110	336
*US2IR	"	811,275	1289	105	330
*UY8IF	"	492,882	481	131	403
*UT8IM	"	364,914	666	84	258
*UR7QM	"	305,370	489	95	282
*UT5ULX	"	294,705	597	85	248
*UY5ZI	"	262,793	486	84	233
*UT3Q	"	191,036	378	76	250
					(OP:UT3QT)
*UX3IO	"	171,666	359	85	204
*UR5E	"	126,360	338	72	162
					(OP:UR5EDX)
*UT1AA	"	111,240	343	59	157
*UX8IW	"	78,408	269	44	118
*UX2IJ	"	75,328	235	57	119
*USØTA	"	68,951	238	46	145
*UU8JW	"	58,968	177	60	108
*US7ISE	"	58,366	255	44	110
*US1GBH	"	43,416	194	51	111
*US3LR	"	39,407	163	48	109
*UT8EL	"	36,328	168	48	104
*UT5ERV	"	35,650	236	37	118
*UT6UD	"	22,515	102	43	52
*UR3QNV	"	21,182	154	21	68
*EN1C	"	20,124	180	20	58
*UR5LCZ	"	15,811	68	43	54
*UX2VA	"	13,140	54	39	51
*UR3QM	"	5,940	49	27	39
*UT3UA	"	5,700	43	22	35
*UX6IR	"	3,796	29	25	27
*UT4ZX	"	2,501	24	19	22
*U5EX	"	868	22	9	22
*UX1AA	28A	195,360	549	35	130
*UZ5I	"	139,308	509	33	123
					(OP:UY6IM)
*UY1HY	"	71,753	237	32	89
*UT2IV	"	10,126	90	20	41
*UX8IR	"	9,401	72	25	54
*UT7TA	"	8,064	48	21	42
*UR7EN	"	2,849	32	15	22
*UX4FC	21A	90,942	347	32	106
*UT3WS	"	3,330	34	14	23
*UR5LAM	14A	193,593	770	34	107
*UR7MZ	"	108,160	617	34	94
*UZ8I	"	89,298	488	30	91
					(OP:US7IY)
*UX7LL	"	52,003	257	33	86
*UR5IRM	7A	144,658	545	32	119
*UR5IKN	"	26,015	111	26	95
*UR4CU	"	11,900	105	15	55
*US2WU	3.5A	59,424	717	17	79
*UR5IHQ	"	27,348	477	8	45
*UR8IDX	"	13,482	181	11	52
*UR3CSI	"	7,100	70	17	54
*UR5AS	1.8A	32,016	410	13	56
*UR5VR	"	29,376	420	14	54
*UT7X	"	18,468	305	10	47
					(OP:UT7XX)
*UT2HM	"	9,120	201	9	39

Wales

GW3KDB	A	787,600	1122	88	270
*GW3NAS	A	77,868	284	63	143
*GWØETF	21	283,250	1082	31	94
GW4BLE	AA	132,930	311	65	145
GWØGEI	28A	37,920	221	21	75

OCEANIA

Australia

VK8GM	A	3,950,661	3277	117	312
					(OP:OZ1AA)
VK3TDX	"	2,501,312	2493	96	256
VK2PN	"	942,216	1500	98	160
VK2NU	"	853,240	965	101	231
VK4IU	"	70,560	274	46	66
VK7GN	28	175,812	771	21	70
VK6LW	21	1,223,236	2666	36	122
VK4SN	"	283,456	1003	29	74
*VK6HG	A	337,146	494	82	167
*VK7AD	"	51,527	183	44	75
*VK4TT	"	15,209	93	34	33
*VK3TZ	"	12,168	69	32	46
*VK2MWG	"	1,640	28	18	22
*VK2EL	"	1,380	26	12	11
*VK6AA	28	344,320	946	30	98
					(OP:VK2IA)
*VK4EJ	"	53,600	245	26	54
*VK3FM	"	37,716	167	24	60
*VK5DC	"	220	20	10	10
VK2IM	AA	2,717,330	2522	115	270
VK2CA	"	85,560	220	56	99
VK6VZ	14A	220,570	662	33	104
*VK7CW	AA	388,032	556	81	177
*VK3YR	"	44,616	145	48	84
*VK3VT	"	35,828	123	43	63
*VK6DU	28A	42,900	284	14	41
*VK4LAT	"	5,986	60	17	24
*VK6WX	14A	272	10	8	9
*VK6XX	7A	2,106	36	12	15
					(OP:VK6HZ)

East Malaysia

9M6NA	A	6,144,264	4241	146	358
					(OP:JE1JKL)
9M8YY	21	656,941	1530	36	113
					(OP:JR3WXA)
*9M6YBG	A	1,459,416	1759	110	182

Guam

NH2T	A	11,455,401	6374	180	453
					(OP:N2NL)
*KH2/JK2VOC	A	2,961,852	3235	110	208
KG6DX	28A	724,857	1775	37	110

Hawaii

KH7M	A	4,587,012	3848	151	272
					(OP:N6TJ)
KH6OA	"	1,302	27	16	15
KH6CW	21	393,771	1165	35	84
					(OP:K7GQ)
WB4JTT/KH6	3.5	3,234	67	10	11
KH6DX	1.8	5,140	93	10	10
*KH6CJJ	A	321,984	602	81	111
*KH6/N6DA	"	6,960	65	28	32
AH7C	AA	477,626	668	98	164
*KH6OO	AA	128,979	317	61	92
*AH6NF	28A	1,470	23	15	15

Indonesia

YB4IR	A	630,894	987	71	166
*YB2LSR	A	183,872	390	60	109
*YB2WVK	"	22,348	116	26	48
*YBØECT	28	83,430	280	27	76
*YC3TKH	"	8,900	74	16	34
*YG1CRR	"	72	6	2	2
*YBØAKM	21	111,760	365	31	79
*YD1DDB	"	110,134	386	29	77
*YC1BJX	"	17,655	127	22	33
*YC1BRS	"	2,640	34	12	18
*YB7XO	14	27,675	139	25	50
*YB8HZ	"	13,671	209	21	42
YB3MM	21A	87,163	319	29	72
*YB2TET	AA	12,994	70	26	47
*YB1AR	7A	24,310	131	28	57

Lord Howe Island

*VK9/OG1M	28	323,301	1255	30	67
					(OP:OH1VR)
*VK9/OH3X	21	118,389	487	31	62
					(OP:OH3JR)

Micronesia

V6A	A	1,580,304	1954	104	188
					(OP:JA7HMZ)
*V63JX	21	382,602	1399	34	68

New Caledonia

*TX1CW	A	1,046,892	1266	106	203
					(OP:FK8DD)
*FK/VK6DXI	AA	1,078	21	12	10

New Zealand

ZL4NR	A	73,556	199	45	103
*ZL3TE	28	199,800	711	31	69
					(OP:W3SE)
ZL3PAH	AA	76,152	190	67	100
ZM4M	28A	240,112	1009	26	60
*ZL1TM	AA	981,575	996	111	244
*ZL3AB	"	6,664	45	26	30

Palau

T8NS	A	2,530,268	2341	119	275
					(OP:JA1MML)

Philippines

DU7RH	A	3,348	40	15	21
*DU7HF	A	31,126	156	34	45
*DX1L	21	5,280	69	15	18
					(OP:DU1XX)
*DU1RB	14	2,842	38	10	19
DV1/JO7KMB	AA	784,080	1021	94	176
*DU1/OE3SGU	AA	109,482	298	46	96

Samoa

5W1SA	14A	200,197	690	31	76

South Cook Islands

*E51TLA	A	56,240	266	26	48
					(OP:OZ6TL)

SOUTH AMERICA

Argentina

LU6UO	28	608,128	1687	29	99
LU1ICX	7	87,464	300	31	85
LU7DW	"	15,420	100	21	39
*LU5FR	A	1,131,174	1569	78	183
*LW3DG	"	310,607	761	51	100
*LW5ER	"	52,290	243	38	67
*LW1EUD	"	24,242	235	20	26
*LU1VZ	28	129,857	559	23	68
					(OP:LU4VEW)
*LW5EE	"	28,416	218	17	31
*LW2HBF	"	3,399	42	16	17
*LU4MHQ	14	37,518	199	23	51
LP1H	AA	10,600,140	5319	166	529
					(OP:LU5DX)
LU5VV	"	139,698	228	69	165
LU6QI	"	5,060	35	22	33
LU7ADR	28A	3,564	48	16	20
LU3DAT	21A	467,238	1331	33	96
*LR1F	AA	147,838	323	64	129
					(OP:LU5FD)
*LW5HR	28A	851,764	2009	34	112
*AY8A	"	46,166	203	31	51
					(OP:LU8ADX)
*LU2AYB	"	33,880	379	16	19
*LU7DSU	21A	29,856	121	27	69
*LU1WI	"	26,964	131	23	61

Aruba

P4ØF	A	13,151,040	6929	162	503
					(OP:R5GA)
P4ØW	"	10,558,912	6347	142	450
					(OP:W2GD)
*P49Y	A	8,821,296	5786	139	389
					(OP:AE6Y)
*P43E	"	2,544	42	13	11

Brazil

PS2T	A	9,636,732	5475	163	444
					(OP:PY2NDX)
PY2EX	"	1,621,904	1766	98	236
PP1CZ	"	1,488,992	2031	95	209
PV8ADI	"	396,725	1505	53	122
PY2FN	"	182,754	357	78	120
PY2KP	"	48,980	145	59	96
PY2HL	"	14,256	112	14	40
PT5T	28	1,683,536	3386	38	134
					(OP:IV3NVN)
ZW5B	21	1,476,722	3173	38	131
					(OP:PY2ZXU)
PY3AU	"	107,460	383	28	80
PR7AR	14	168,630	743	29	76
PV8DX	1.8	1,022	29	5	9
PY5XH	"	140	6	4	6
*PY2NY	A	2,376,290	2074	120	289
*PS2R	"	519,270	993	58	132
					(OP:PY2TI)
*PY4ZO	"	436,182	569	81	197
*PR7HR	"	434,730	763	61	154
*PY1KR	"	217,700	612	54	121
*PY2MC	"	206,451	322	87	174
*PY2IQ	"	144,375	317	57	108
*PT2AW	"	95,404	287	44	78
*PY3IO	"	36,225	142	29	76
*PY4OD	"	31,734	137	47	82
*PY7OJ	"	16,450	83	42	52
*PY2MTS	28	456,090	1367	29	86
*PY1MX	"	264,607	944	29	74
*PY2RH	"	227,592	781	27	82
*PY4FQ	"	83,022	294	25	76
*PY5BLG	"	58,984	337	22	51
*PY2KC	"	42,336	238	19	53
*PX1M	"	40,480	276	18	37
*PY4YY	"	40,145	485	15	16
*PY1WX	"	30,702	225	18	33
*PU2LGU	"	19,504	196	15	31
*PY3AJB	"	748	23	10	12
*PT8CW	21	13,794	92	17	40
*PY2ZW	14	5,044	46	17	35
*PY1TJ	"	585	16	7	8
*PY2VM	"	529	14	10	13
*PP5RLC	7	26,554	177	21	50
PY4RGS	AA	1,999,206	1415	130	376
PY2KJ	"	1,385,560	1307	101	275
PY5FB	"	783,364	906	106	210
PP5JY	"	119,016	349	50	102
PY2SHF	"	115,440	274	62	123
PY2NZ	"	62,832	192	49	83
PY7ZY	"	27,081	205	20	31
PV8AA	"	16,797	180	15	18
					(OP:PV8DX)
PY3DX	28A	1,157,143	2442	38	131
PY2IU	"	208,369	725	28	75
PP5EG	21A	143,136	354	37	131
PR5B	14A	1,085,124	2158	39	147
					(OP:PY2LSM)
PX2C	7A	434,826	1116	37	116
					(OP:PY2BK)
PP5WG	3.5A	2,550	33	15	19
PY1NB	1.8A	6,090	83	8	21
*PY9MM	AA	2,429,258	1920	115	351
*PY4HO	"	544,800	856	78	162
*PY1ZV	"	337,676	551	81	203
*PP5EJ	"	243,810	563	53	109
*PY5KC	"	101,324	312	53	93
*PU2UEO	"	57,007	202	32	77
*PY1CPF	"	38,920	149	49	90
*PP5AX	"	28,392	150	35	49
*PY2ABN	"	19,866	140	25	52
*PY2NFE	"	11,704	76	29	48
*PY2DXA	"	3,066	31	17	25
*PY1NYJ	"	1,152	20	12	12
*PY1NX	28A	1,218,976	2413	38	138
*PY3OZ	"	1,107,626	2268	37	132
*PU5AAD	"	6,721	64	16	31
*PY2XC	"	5,373	93	9	18
*PY4XX	14A	245,481	723	35	106
*PY1SL	7A	119,460	434	26	84

Chile

CE2AWW	28	1,294,944	2825	34	130
					(OP:VE7SV)
CA3KHZ	"	74,043	520	20	37
XR3A	21	320,229	1005	31	86
					(OP:CE3DNP)
CE1/K7CA	14	1,225,686	2761	37	117
CE3AA	"	889,764	1978	36	123
					(OP:XQ4CW)
CE6HIY	7	27,600	199	19	41
*CE1CRG	28	81,420	500	19	41
*3G1D	"	3,024	77	12	15
					(OP:CE1VIL)
*CE1URJ	21	167,232	604	28	76
XQ1KZ	28A	827,288	1930	36	118
CE3FZ	"	576,400	1518	32	99
CE3CT	7A	32,058	157	23	55
*XR3Y	28A	12,939	96	20	37
					(OP:XQ7UP)
*CE3MDA	"	3,872	33	18	26
*CE7BIY	"	2,100	23	15	20

Colombia

*HK6P	14	4	2	2	2
*HK3O	7	340,459	1052	26	93
HK3JJB	AA	304	12	8	11

French Guiana

FY5PO	A	809,432	1673	54	118
FY5KE	21	2,147,322	4092	38	145
					(OP:F6FVY)
*FY8PE	AA	40,080	138	41	79

Paraguay

*ZP9MCE	28A	94,743	529	26	61

Peru

OA4SS	A	1,534,785	1647	107	222

Suriname

PZ5T	A	13,170,634	6858	158	516
					(OP:VE3DZ)

Trinidad & Tobago

9Y4/DL7VOG	A	4,888,296	3601	122	355

Uruguay

CW5W	A	7,478,640	4574	153	432
					(OP:CX6VM)
CX7ACH	28	12,642	133	19	30
*CX2BR	A	255,008	518	68	140
*CX4SS	28	280,602	1022	31	71
*CX2AL	"	11,662	97	20	29
*CX2DK	14	222,396	655	34	95
CX7TT	AA	221,130	299	73	200
CX7CO	28A	1,378,240	2997	34	126
CX3AL	21A	723,392	1479	39	139
CX8BR	"	282,088	747	36	112
*CX5TR	21A	452,998	1237	34	99

Venezuela

YV5JBI	A	280,987	385	86	207
YW4D	7	1,431,040	3134	34	126
					(OP:YV1DIG)
*YV5JGO	A	165,704	401	52	102
*YV8AD	AA	2,872,444	2158	124	378
*YV5TX	"	20,925	101	33	60

QRP

LZØM	A	1,008,800	1550	105	311
					(OP:LZ2SX)
N8ET	"	913,830	830	114	301
YUØW	"	848,990	1377	94	271
UU2CW	"	766,458	1146	106	335
JR4DAH	"	733,150	946	106	204
HG6C	"	728,025	1095	98	327
					(OP:HA6IAM)
JH1OGC	"	695,114	789	118	228
F5VBT	"	689,156	1376	83	294
RA3AN	"	670,377	1222	89	272
EU1AA	"	655,616	1130	94	300
N7IR	"	627,779	631	112	249
N4CW	"	582,466	596	88	270
N1TM	"	560,952	692	81	237
YL2CV	"	554,036	1189	72	257
KØOU	"	529,914	591	100	241
J34K	"	516,832	888	61	187
					(OP:VE3RSA)
UU7JF	"	515,616	1171	68	260
W6JTI	"	511,170	595	106	224
G4DBW	"	509,292	935	68	233
KT8K	"	471,300	585	82	218
E77TA	"	459,285	836	83	252
NDØC	"	453,470	519	102	229
HB9F	"	439,236	722	83	211
					(OP:HB9CBR)
DL8TG	"	435,540	790	85	255
HA5BA	"	432,915	979	71	214
W6QU	"	424,270	544	99	191
					(OP:W8QZA)
EU1DZ	"	410,656	930	67	246
RW3AI	"	402,084	851	75	249
UA7G	"	381,936	692	88	204
SP2DNI	"	359,964	862	71	232
DK5RK	"	348,040	818	78	230
LY5G	"	339,235	782	78	229
OL3M	"	327,320	811	69	211
					(OP:OK1TGI)
NØUR	"	309,350	441	73	196
IZ8JFL/1	"	301,790	869	64	229
G3YMC	"	298,690	793	56	195
K7HBN	"	287,684	430	84	152
LZ7H	"	284,064	830	60	204
					(OP:LZ2ITU)
EA2LU	"	269,248	544	66	158
DF5RF	"	261,369	607	68	189
YO8DOH	"	256,041	663	65	196
WA8REI	"	255,972	396	74	175
R7FO	"	254,880	700	56	214
JAØVTK/7	"	249,264	455	81	135
VE3GTC	"	220,906	407	60	157
JA1KEB	"	216,648	429	83	121
RU3FB	"	195,657	621	49	182
K3WWP	"	188,256	319	53	159
UX8ZA	"	184,016	542	59	189
EI8FH	"	179,838	550	45	161
IV3DRP	"	179,426	451	58	148
PG7V	"	154,600	460	47	153
7K1CPT	"	154,207	333	82	111
DHØJAE	"	134,724	436	53	153
DJ2IA	"	126,522	354	64	149
R7GA	"	122,264	373	60	172
OH5YU	"	120,932	461	47	149
NU4B	"	119,848	208	61	150
PE2K	"	114,100	393	48	127
GØTPH	"	111,524	418	51	145
DF1DX	"	111,294	352	51	111
N8BB	"	111,060	229	63	117
DL4ALI	"	104,896	417	45	131
EA1GT	"	102,705	398	44	123
DL1AQU	"	100,104	343	47	147
AI9K	"	97,092	210	72	114
S59D	"	95,530	377	58	175
UX8IX	"	86,909	284	61	172
DL2DWP	"	81,532	350	51	136
WA8HSB/4	"	78,045	185	54	111
NT4TS	"	77,586	208	60	133
VE3MO	"	71,200	321	30	70
DL1JDQ	"	70,416	270	48	115
UA4WJ	"	69,628	263	45	124
DL1AKP	"	68,450	255	52	133
JA9MAT	"	67,971	213	59	80
VE2KOT	"	66,825	215	44	91
VE3WZ	"	66,348	199	55	116
EA1FA	"	64,020	323	30	102
K2JT	"	60,123	157	45	102
OM3TLE	"	58,812	333	33	123
UAØSBQ	"	57,564	210	34	83
Z35M	"	56,682	364	28	106
NFØN	"	54,610	153	46	81
M5AEF	"	52,528	314	31	103
WD3K	"	49,840	156	44	96
EA1AER	"	47,740	188	43	81
UA4FAC	"	47,601	205	35	88
W1FMR	"	44,505	166	46	83
DK4CU	"	44,402	215	37	112
SE6C	"	42,880	251	39	95
					(OP:SM6CDN)
4O4SM	"	41,580	278	33	93
RV3DBK	"	37,674	253	21	96
US5WCX	"	37,668	247	39	133
DL7GEM	"	37,392	212	33	81
UT7MT	"	36,340	244	40	118
UA3PP	"	35,216	216	28	96
RX3DIS	"	35,055	253	29	94
RD9DX	"	33,440	133	24	71
W1OH	"	32,318	109	39	74
KU4A	"	31,868	133	45	79
DF7IS	"	30,849	145	33	58
CO2IZ	"	30,634	198	35	71
CT7AEZ	"	29,880	185	28	55
UY5MR	"	29,865	252	53	128
JM1DPL	"	28,952	146	40	48
IK1BPL	"	27,412	238	45	109
VE3WDM	"	25,132	114	30	73
DL6ABB	"	24,139	164	31	70
W4ZGR	"	23,735	101	35	66
N4DE	"	23,320	93	38	68
EA9CD	"	21,248	111	43	85
RA3AL	"	21,120	172	28	82
SP9RQH	"	20,962	105	36	58
EA7HCB	"	20,808	164	35	67
KW4M	"	20,774	113	23	71
PAØRBO	"	20,544	154	26	70
KI4FW	"	20,382	92	28	58
LU8EHR	"	20,088	106	37	44
JN3DMJ	"	19,173	103	36	47
WØRSP/7	"	18,630	101	36	54
OK4JR	"	18,528	175	24	72
KD9B/4	"	18,228	75	32	66
RX1AL	"	16,835	138	25	66
IK3TZB	"	14,499	94	32	49
JG3MGG	"	14,322	84	34	43
DL6UKL	"	14,256	142	29	70
LY3G	"	12,240	107	30	50
KQ2RP	"	12,141	71	22	49
W1TW	"	12,078	102	38	61
DL6MWG	"	11,664	106	23	49
JM1KLO	"	11,620	76	39	44
RA3WDK	"	11,245	126	16	49
KEØG	"	11,100	69	31	44
WØPWE	"	10,508	55	26	45
W2JEK	"	10,164	61	32	45
USØYA	"	9,891	56	22	41
SP9DEM	"	9,890	102	27	59
YU2V	"	9,576	126	26	58
DK3IP	"	9,380	96	23	44
KA3EAJ	"	8,255	53	24	41
WVØH	"	8,232	63	40	44
DL1APQ	"	8,211	87	20	31
NW6V/7	"	7,552	66	33	31
KB4QQJ	"	7,316	47	25	37
CO2VE	"	7,250	173	20	30
DL3BVA	"	6,302	68	14	32
DDØVS	"	6,006	78	19	47
K4ALE	"	5,936	46	19	34
N5HOT/4	"	5,856	40	25	36
K7SEL	"	4,815	97	17	28
					(OP:N7RCS)
DL2BIS	"	4,760	56	20	36
SM7RYR	"	4,623	108	23	44
KN8DMK	"	4,532	47	14	30
JG1SPS	"	4,408	51	18	20
JQ1NGT	"	4,360	52	20	20
DL4NBV	"	3,976	60	16	40
KH6CS	"	3,654	34	29	29
BD7PTS	"	2,915	46	24	29
F5IQJ	"	2,835	34	18	27
WA2NYY	"	2,550	39	20	30
KCØJBU	"	2,457	31	20	19
DO6NIK	"	2,318	47	15	23
DF9ZV	"	1,972	69	7	27
AF9J	"	1,922	28	16	15
SM5DFM	"	1,548	27	13	23
KP4/KØBJ	"	1,352	21	9	17
DV1UBY	"	868	23	14	17
IZ1GJK	"	819	19	9	12
BG6QYE	"	760	25	17	21
EA1SB	"	741	14	10	9
JA1POS	"	725	22	14	15
JR1USU	"	665	19	10	9
KC2KME	"	651	12	10	11
DD1IWX	"	544	39	10	24
DJØMY	"	486	13	7	11
DF9GH	"	483	19	9	14
JG1BGT	"	378	11	8	10
RY2S	"	306	23	13	21
WX4RM	"	240	12	12	12
ISØ/IZ8SAR	"	196	14	6	8
DJ5QK	"	92	57	12	34
LU7HZ	28	257,103	914	28	71
KX9X/1	"	191,019	563	26	97
KR2Q	"	137,875	387	25	100
W5GAI	"	100,674	337	28	91
LZ2RS	"	81,536	324	32	80
I4KRF	"	61,576	311	28	58
UA6AK	"	55,332	257	28	78
XE1NW	"	49,664	354	22	42
JR3RWB	"	43,216	252	26	48
YO5AIR	"	41,888	202	29	59
9A2EY	"	40,077	248	27	46
G3LHJ	"	30,745	220	17	48
VY2OX	"	30,652	157	21	58
RN4AO	"	30,317	282	17	54
GJ3YHU	"	28,851	194	16	43
R7MC	"	28,135	154	27	58
UAØADX	"	26,025	149	20	55
EA5AER	"	25,795	217	15	52
UAØZS	"	24,976	203	25	31
EI4II	"	23,520	196	19	37
JA4DQX	"	21,472	149	23	38
AB1OC	"	20,235	121	20	51
N1VVV	"	18,744	113	19	52
JH8DBI	"	15,561	124	21	36
BA4WW	"	9,072	87	21	27
GWØVSW	"	8,460	106	13	34
LZ5ØUS	"	7,215	121	11	26
WO2N	"	7,020	61	12	33
GW4EVX	"	4,472	102	8	18
JK1VOZ	"	3,708	52	15	21
RN3AAB	"	3,204	56	9	27
PY2ZQ	"	2,652	39	17	22
VU2GUR	"	2,065	46	10	25
IZ2DQB	"	1,972	48	11	18
W1LIC/4	"	1,568	29	8	20
E2ØYLM	"	936	25	11	15
OZ8A	"	765	25	6	9
9A3TY	"	624	24	6	7
NØJK	"	594	12	8	10
OM8JP	"	560	14	7	7
LZ1DO	"	390	10	6	7
VK2IA/6	"	264	8	3	8
					(OP:VK6AA)
N2NLY/4	"	260	11	6	7
YT7Z	21	116,292	434	33	99
					(OP:YU7SK)
N3JT/4	"	103,812	297	28	95
SP5DDJ	"	100,965	354	34	93
PG2AA	"	91,567	435	26	77
W7IJ	"	85,575	291	30	75
SP4GFG	"	64,608	295	24	72
JR1NKN	"	56,314	306	25	49
IK2UZQ	"	38,232	213	23	58
JA2MOG	"	33,252	200	23	45
JL1UTS	"	32,172	208	28	56
WA6FGV	"	29,880	163	24	48
OK2NMA	"	26,928	210	22	46
JR6HMJ/1	"	24,308	153	23	36
AE9F/6	"	22,774	140	22	37
EA8IK	"	20,672	120	15	49
DL2TM	"	20,191	166	19	42
VA3RJ	"	17,787	92	22	55
VE3CW	"	16,287	103	16	45
IZ2JPN	"	15,925	121	21	44
JH3HYT	"	14,235	107	26	47
OH2ID	"	13,320	157	14	46
KN1H	"	12,036	82	18	41
W5NZ/4	"	11,968	82	18	46
WY6DX	"	11,830	109	22	43
JM1RPV/1	"	11,250	108	20	30

The USA winning multi-single team from K1LZ. Rear: Krassy, K1LZ; Mike, YU1AU/N8BO; Mladen, YT6W/NU5Y. Front: Dennis, W1UE; Velimir, YT3WW/K3JO; Fred, K1VR..

G5N	"	**9,636**	**108**	**13**	**31**
G7PVZ	"	9,588	116	11	36
JRØQUR	"	**9,552**	**100**	**20**	**28**
OK1AIJ	"	9,000	134	13	32
JA4TUJ	"	**7,252**	**77**	**20**	**29**
EA5ON	"	**7,198**	**105**	**18**	**41**
RNØJX	"	**7,182**	**97**	**13**	**29**
I2IAL	"	5,880	87	16	33
UU4JDD	"	**5,719**	**100**	**9**	**34**
PP6ZZ	"	**5,123**	**46**	**14**	**33**
JI3CJO	"	4,797	52	15	24
RA3XEV	"	**4,633**	**72**	**10**	**31**
DL4DQA	"	*4,620*	*81*	*15*	*27*
JH3DMQ	"	4,464	59	15	16
JH1HRJ	"	*4,158*	*135*	*6*	*5*
JE1CAC	"	2,146	39	13	16
JA1KPF	"	1,824	32	10	14
AB8FJ	"	**1,586**	**23**	**9**	**17**
WBØB	"	**875**	**26**	**12**	**13**
JH1CFV	"	204	16	8	9
JG1CMT	"	30	3	3	3
YTØI	"	30	3	3	3
JE2TOC	"	6	3	1	1
JM2RUV	"	6	1	1	1
FY5FY	14	**710,935**	**1732**	**36**	**109**
US5VX	"	**128,381**	**590**	**30**	**91**
SP9NSV	"	**107,274**	**515**	**31**	**83**
J28AA	"	**68,595**	**273**	**23**	**62**
					(OP:E7ØA)
RM3G	"	**49,980**	**454**	**19**	**65**
SP4JFR	"	42,680	305	22	66
HA6VV	"	**34,416**	**338**	**16**	**56**
9M2SM	"	**28,968**	**256**	**23**	**45**
					(OP:9M2OUT)
I2BPP	"	**17,344**	**177**	**14**	**50**
DL4EPM	"	**15,860**	**184**	**17**	**48**
V73NS	"	**15,860**	**124**	**21**	**31**
RA2FB	"	**13,821**	**183**	**13**	**38**
US5EFU	"	11,776	139	17	47
SP6BXM	"	10,296	178	12	40
JRØGFM	"	**9,735**	**81**	**21**	**34**
SMØLPO	"	**7,938**	**153**	**11**	**38**
DK1MIR	"	4,922	120	9	37
G3SQU	"	**4,485**	**90**	**10**	**29**
RA3XGA	"	2,652	96	5	29
LU4HK	"	**2,242**	**61**	**15**	**23**
RM2A	"	1,760	31	11	21
EA8/OH2BEM	"	*1,575*	*29*	*14*	*21*
MMØDHQ	"	**840**	**34**	**5**	**19**
JK3AHS	"	*558*	*15*	*8*	*10*
WA4PIG	"	**551**	**23**	**7**	**12**
W9YA/5	"	**322**	**32**	**7**	**7**
9A3JH	7	**164,208**	**709**	**29**	**103**
E73TTT	"	**80,740**	**429**	**23**	**87**
E73RZ	"	58,788	375	21	71
F5UL	"	**57,200**	**399**	**21**	**67**
CO8DM	"	*51,170*	*268*	*18*	*67*
K3TW/4	"	**47,160**	**195**	**20**	**70**
YO4BEW	"	**44,640**	**377**	**22**	**68**
YO8RIX	"	40,369	342	17	62
HG8F	"	**31,746**	**345**	**16**	**58**
IW3ILM	"	*31,524*	*270*	*18*	*53*
SP7BCA	"	**30,368**	**374**	**16**	**57**
YL2QB	"	**23,680**	**294**	**14**	**50**
IK3JBP	"	**23,458**	**233**	**14**	**60**
HB9CEY	"	**22,960**	**268**	**14**	**56**
N8VW	"	**18,615**	**99**	**19**	**54**
HA4FY	"	16,926	245	11	51
DJ3GE	"	**13,340**	**204**	**9**	**49**
UX4CR	"	*12,870*	*154*	*15*	*50*
RT5R	"	**8,525**	**133**	**11**	**44**
CT1ELP	"	**6,615**	**73**	**13**	**32**
YT2PFR	"	*6,174*	*175*	*9*	*40*
HA8MV	"	6,048	99	10	32
N2JNZ	"	**5,220**	**46**	**13**	**32**
DL2LFH	"	4,905	117	7	38
UT4UI	"	**4,774**	**60**	**14**	**17**
UB9OAY	"	**3,892**	**68**	**10**	**18**
CO2KY	"	**2,112**	**57**	**8**	**24**
F4GTD	"	1,976	48	9	29
R4NX	"	**1,550**	**38**	**8**	**23**
K8DRT	"	920	43	13	27
IZ5PNL	"	806	31	6	20
VK3GK	"	**528**	**17**	**8**	**8**
IZ7SIA	"	512	55	6	26
IK7XNF	"	460	34	5	18
JO1EEQ	"	**182**	**12**	**4**	**3**
SD6N	"	**169**	**11**	**5**	**8**
					(OP:SM6V)
OH2BEN	"	**56**	**4**	**3**	**4**
JA8CXX	"	**6**	**1**	**1**	**1**
SP4GL	*3.5*	*27,456*	*415*	*11*	*55*
YL2QN	"	**26,838**	**464**	**11**	**52**
W1UU	"	**21,672**	**119**	**16**	**56**
HA6VA	"	**12,261**	**252**	**9**	**52**
EE3C	"	**7,950**	**147**	**10**	**40**
					(OP:EA3CKX)
JH1GNU	"	*4,032*	*57*	*14*	*22*
G6CSY	"	**2,346**	**66**	**6**	**28**
KIØG/5	"	**1,564**	**36**	**12**	**22**
VA3WPV	"	**500**	**51**	**3**	**2**
BA4WI	"	**418**	**35**	**5**	**6**
JE1RZR	"	*72*	*8*	*1*	*2*
IK7TAI	"	**20**	**4**	**1**	**4**
VR2EH	"	**18**	**10**	**2**	**4**
LY4BF	1.8	**12,100**	**282**	**5**	**39**
GM3YEH	"	**11,804**	**216**	**8**	**44**
MØZWW	"	**1,131**	**57**	**5**	**24**
9A4AA	"	**760**	**39**	**4**	**16**
US1UU	"	**736**	**37**	**4**	**19**
GM4UBJ	"	714	38	4	17
K4ZLE/8	"	**240**	**21**	**6**	**6**
IZ5ILK	"	**72**	**11**	**3**	**9**
R9AT	"	**24**	**3**	**3**	**3**
HA1ZH	AA	**1,394,172**	**1617**	**122**	**346**
N2QT/4	"	**1,095,504**	**854**	**104**	**360**
OK1DO	"	**1,052,192**	**1058**	**123**	**379**
RT4W	"	**1,046,523**	**1244**	**125**	**398**
US2IZ	"	**596,372**	**1132**	**82**	**279**
S52P	"	**584,575**	**1164**	**87**	**262**
UN8PT	"	**537,880**	**793**	**75**	**205**
KK1W	"	**499,968**	**565**	**87**	**249**
RA9SO	"	**483,060**	**628**	**68**	**223**
K8ZT	"	**478,940**	**482**	**101**	**284**
IZ3NVR	"	**348,684**	**632**	**76**	**218**
YU1LM	"	**308,992**	**749**	**65**	**219**
UX5UU	"	306,945	690	72	213
EU3NA	"	**303,930**	**537**	**78**	**229**
IØZUT	"	302,965	613	73	222
ON5JT	"	**299,904**	**689**	**72**	**212**
HA7YS	"	277,236	530	81	225
VE3HG	"	**212,635**	**356**	**48**	**167**
UT5ID	"	174,754	552	67	195
VA3AMX	"	168,021	398	57	132
W2VQ	"	**98,237**	**187**	**52**	**141**
N6KI	"	**97,650**	**217**	**60**	**115**
SMØTHU	"	**94,000**	**304**	**48**	**152**
DL1RNN	"	*92,685*	*347*	*49*	*136*
W4QO	"	90,644	197	46	126
JK1TCV	"	**80,676**	**184**	**62**	**100**
DK1IZ	"	**80,560**	**333**	**40**	**112**
AA4GA	"	72,928	159	55	117
JI2MWH	"	*69,000*	*212*	*56*	*82*
NN7SS	"	**66,659**	**137**	**59**	**132**
					(OP:K6UFO)
IK4OMU	"	53,360	185	44	101
UT5DJ	"	51,810	285	43	122
YO2MKE	"	**44,890**	**222**	**36**	**98**
NX2PX	"	30,240	103	28	77
OK2NA	"	24,225	138	31	64
SM6PPS	"	23,520	205	26	70
DL3ZZA	"	16,600	142	24	76
MØKLO	"	**14,299**	**95**	**26**	**53**
NQ2W	"	12,555	61	31	50
N6CMF	"	11,214	74	27	36
IK1ZOF	"	9,180	74	29	56
IK3OII	"	6,003	42	30	39
W6SIY	"	5,820	36	27	33
EC7KW	"	**4,959**	**48**	**23**	**34**
DG8VE	"	*2,232*	54	13	23
VA2BBW	"	**672**	**13**	**11**	**13**
IQ1TG	"	312	18	6	18
					(OP:IZ1GJH)
LA8CJ	"	*84*	*8*	*4*	*3*
K4CIA	28A	**36,045**	**153**	**20**	**69**
IK2BCP	"	**30,602**	**124**	**31**	**76**
YO8DDP	"	**26,988**	**157**	**26**	**52**
IK4AUY	"	19,430	111	22	45
SO1D	"	**10,600**	**103**	**17**	**33**
					(OP:SP1JPQ)
LU3JVO	"	**9,622**	**108**	**14**	**20**
BD4WM	"	**8,694**	**72**	**21**	**33**
UU4JIM	"	**420**	**12**	**6**	**8**
R3BB	"	**322**	**12**	**5**	**9**
DL1EFW	21A	**114,456**	**452**	**27**	**87**
HG2ØIPA	"	**102,724**	**421**	**30**	**92**
					(OP:HA3JB)
EA8/SA6G	"	**102,438**	**302**	**24**	**102**
					(OP:SM6CUK)
JE2UFF	"	**100,224**	**411**	**30**	**66**
VE3XD	"	**82,069**	**281**	**25**	**82**
JH6QIL	"	**39,450**	**216**	**25**	**50**
BH4RRG	"	**38,346**	**249**	**25**	**58**
VU2UR	"	**38,340**	**180**	**24**	**66**
SV1JGX	"	**33,984**	**257**	**27**	**69**
YT1BX	"	**26,640**	**183**	**18**	**62**
DL3BRA	"	21,488	193	20	48
IZ2QKG	"	**17,100**	**202**	**15**	**35**
OM4AA	"	**14,245**	**117**	**18**	**37**
VE7VQ	"	**10,904**	**101**	**24**	**34**
UA9UHN	"	**10,530**	**70**	**18**	**47**
YO4UQ	"	**1,015**	**42**	**9**	**20**
UU9JAN	"	**546**	**32**	**6**	**20**
RU5TT	14A	**223,200**	**834**	**34**	**116**
					(OP:UA3TW)
YPØCW	"	**132,736**	**621**	**32**	**96**
					(OP:YO6EX)
SP6GCU	"	**107,604**	**473**	**32**	**94**
F8BDQ	"	**47,792**	**269**	**22**	**81**
IZ1DGG	"	**7,097**	**125**	**9**	**38**
IV3/YT4RA	"	3,483	56	11	32
LZ1DNY	7A	**138,138**	**628**	**29**	**109**
YU1WC	"	**124,843**	**519**	**28**	**103**
UR5FCM	"	**63,546**	**511**	**18**	**71**
IV3CTS	"	**54,780**	**394**	**24**	**86**
HA7I	"	**42,828**	**377**	**15**	**68**
					(OP:HA7JTR)
SP6GNJ	"	**25,284**	**184**	**16**	**68**
LA6FJA	"	**3,864**	**85**	**7**	**35**
9A5MT	"	**3,036**	**51**	**11**	**22**
JG3GMG	"	**1,624**	**20**	**12**	**16**
UT3L	3.5A	**49,140**	**546**	**14**	**64**
					(OP:UR5LO)
RW9C	"	**14,196**	**127**	**10**	**32**
OH3BU	1.8A	**14,728**	**249**	**9**	**47**
UT3N	"	*9,476*	*214*	*5*	*41*
					(OP:UT3NK)
9A2UZ	"	**2,923**	**72**	**6**	**31**
RX3ALL	"	*408*	*37*	*5*	*19*
HA6NN	"	**238**	**22**	**4**	**13**

MULTI-OPERATOR SINGLE TRANSMITTER NORTH AMERICA

United States

K1LZ	**15,586,106**	**5860**	**194**	**773**
W3UA/1	11,206,701	4839	182	691
KØTV/1	3,983,871	2134	155	554
W1MAT	1,490,814	989	128	426
W1TM	494,010	555	89	241
W2RE	**10,768,816**	**4426**	**186**	**712**
K2QMF	6,207,262	3158	158	600
KA2D	2,666,440	1557	130	493
W3LJ	**248,520**	**376**	**81**	**204**
NR4M	**11,076,912**	**4598**	**188**	**703**
AD4Z	7,863,480	3851	174	635
AA4NC	5,361,255	2774	168	587
K5EK/4	3,020,685	1512	161	566
AD4ES	2,211,392	1497	152	482
K4VRC	19,596	114	17	52
K5GO	**10,093,044**	**4222**	**194**	**703**
W5VX	3,253,162	1986	156	482
K5KC	*751,120*	*671*	*126*	*332*
N5KD	*498,201*	*547*	*87*	*254*
W8ZR/5	314,231	827	34	117
W6YX	**6,121,857**	**3227**	**168**	**519**
W6XB	*3,321,927*	*2011*	*157*	*446*
N2NS/6	2,301,120	1565	156	408
N6HD	1,028,797	1024	125	306
N6PE	*83,482*	*183*	*63*	*115*
KN7K	**5,209,650**	**2885**	**165**	**516**
W7VJ	4,426,032	2591	165	491
N7BV	2,547,180	1830	141	389
NØNI	**6,360,741**	**2967**	**177**	**624**
NØYY	2,843,645	1534	165	554
KØJA	613,524	491	129	387
KØYCR	49,818	187	43	95

Alaska

KL7RA	**8,726,500**	**5938**	**158**	**462**

Canada

VY2ZM	**15,045,942**	**6601**	**186**	**720**
VE3YAA	**5,964,700**	**3664**	**156**	**544**
VE7GL	**4,913,394**	**3649**	**153**	**426**
VE3CR	3,691,938	2128	156	531
VE7AB	409,600	972	74	126
VE6AO	**356,265**	**873**	**69**	**134**
VA7XB	53,277	173	52	77

Cayman Islands

ZF1A	**15,918,686**	**7858**	**183**	**670**

Cuba

T4ØC	**1,115,858**	**2362**	**84**	**178**

Jamaica

6Y3M	*9,420,300*	*6247*	*162*	*513*

Mexico

XE1RCQ	**1,114,026**	**2222**	**80**	**169**

AFRICA

Canary Islands

EF8U	**9,847,760**	**5406**	**139**	**541**

Ceuta & Melilla

ED9Z	**20,403,225**	**7889**	**187**	**718**

Senegal

6V7V	**19,876,472**	**7871**	**189**	**713**

ASIA

Asiatic Russia

RWØA	**10,798,920**	**5529**	**181**	**627**
RA9A	**6,611,220**	**3371**	**163**	**593**
RK9CYA	2,928,768	2233	119	407
RZØLWA	1,958,328	1828	136	336
RK9SWF	1,228,080	1644	83	253
RC9YA	305,956	637	49	174
RKØAWQ	*13,908*	*127*	*26*	*35*

Asiatic Turkey

TC2KK	**2,223,194**	**2598**	**88**	**265**

China

B1Z	**4,053,600**	**3402**	**143**	**420**
B4R	2,042,844	2155	130	314
BY5AC	1,247,022	1752	107	271
BY1CW	878,591	1614	94	219
B1C	581,828	1087	83	185
BY1OK	528,907	1234	75	164
BY1CQ	301,944	733	92	184
BY7KTO	12,155	168	26	59

Cyprus

P33W	**27,233,104**	**10014**	**200**	**789**

Japan

JAØQNJ	**4,698,070**	**3485**	**152**	**357**
JA1BPA	**4,415,360**	**2660**	**163**	**477**

Thailand

E2E	**2,987,226**	**2924**	**116**	**307**

Vietnam

3W2J	**1,546,568**	**2361**	**114**	**274**

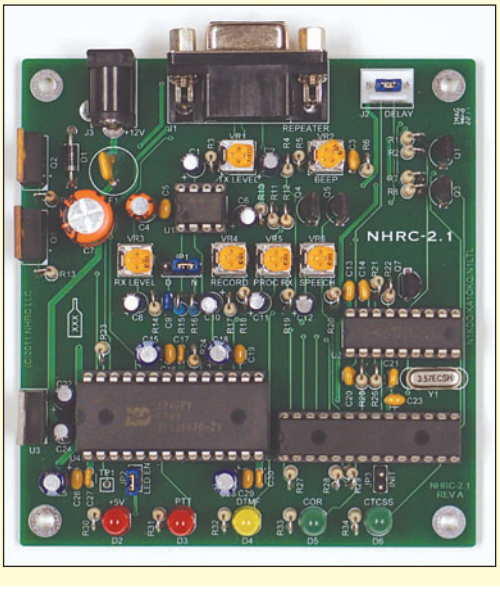
West Malaysia

9M2JKL	**28,067**	**152**	**48**	**79**

what's new

New-Generation NHRC-2 Repeater Controller

The popular NHRC-2 repeater controller, now 15 years old, has received a redesign and update in the new NHRC-2.1. Added features of the upgraded controller include longer messages (up to 10 seconds each instead of five) with real stored speech instead of computer synthesis, real CTCSS input so that tone access can be switched on and off, European tone and ID features, DTMF (tone-pad) access, a simplex repeater mode, and status LEDs to let a repeater technician know at a glance the state of the carrier-operated relay (COR) circuit, CTCSS, DTMF detection, PTT and power. The NHRC-2.1 controller is available as a partial kit for $59, or assembled and tested for $159, from NHRC, LLC., 415 Fourth Range Rd. Pembroke, NH 03275; 603-485-2248; <www.nhrc.net>.



The new-generation NHRC 2.1 repeater controller (Photo courtesy NHRC)

The antenna system of world high single operator CR3E (operated by Jose, CT1BOH) from a mountain in the northern side of Madeira Island.

EUROPE

Belarus

EW6WF	**1,170,468**	**1697**	**106**	**362**

Belgium

OP4K	**3,968,244**	**3364**	**148**	**461**

Bosnia-Herzegovina

E7DX	**13,403,520**	**6698**	**196**	**764**
E7RS	847,110	1523	90	284
E7CW	82,650	839	22	73
E71AVW	27,921	194	32	91

Bulgaria

LZ1QN	**1,367,448**	**2111**	**103**	**351**

Croatia

9A1P	**11,605,840**	**5720**	**201**	**755**
9A8M	8,574,181	4941	177	670
9A7T	3,218,322	2265	168	585

Czech Republic

OK5W	**10,361,472**	**5241**	**198**	**770**
OL7M	8,719,306	4840	197	744
OL1C	6,085,332	4184	154	572
OL2U	926,208	1654	99	303
OL2A	*114,798*	*428*	*36*	*78*
OK5SWL	1,638	35	14	28

England

G5W	**9,004,200**	**5029**	**177**	**683**
G5D	5,685,124	4195	160	558
M4A	761,862	1464	91	235
G3YNN	*30,712*	*168*	*29*	*59*

European Russia

RU1A	**11,944,240**	**6244**	**205**	**775**
RT1O	1,962,016	2266	131	401
RZ1AWT	38,500	197	31	94
RK1QWX	17,050	163	27	83
RL3A	**10,341,150**	**5986**	**203**	**768**
RT5G	6,480,380	4597	189	703
RT3F	4,960,224	3464	182	682
RO2E	4,900,320	3594	179	641
UA3R	3,071,388	3187	166	556
RM5A	3,038,410	2969	138	448
RN3QO	*2,725,090*	*2326*	*156*	*574*
RK3R	1,324,356	1781	116	392
RQ5D	481,850	699	101	318
RK3YWA	294,077	758	78	223
RZ3AWM	*70,094*	*287*	*46*	*156*
RT2M	1,734	46	10	24
RZ4FWW	**4,039,812**	**3069**	**173**	**609**
RC4HAA	539,688	971	96	302
RK4HYT	381,210	691	104	289
RT6A	**10,388,072**	**5972**	**195**	**737**

Fed. Rep. of Germany

DR1D	**7,977,288**	**4376**	**187**	**715**
DP9A	5,399,856	3851	173	619
DAØI	3,618,153	2977	152	529
DD1A	2,740,470	2655	128	419
DF7ZS	1,055,808	944	139	485
DQ1V	58,302	236	44	114

Finland

OH8A	**3,895,619**	**3612**	**142**	**481**
OH2BAH	2,548,308	2096	146	498
OF3I	1,296,625	1371	134	441

France

TM4Q	**8,154,090**	**4566**	**183**	**699**
F8NAN	309,608	1004	52	117
F6KBF	30,195	178	28	71
F8KGH	3,318	114	28	51

Greece

SZ1A	**5,921,100**	**4883**	**172**	**638**

Hungary

HG5C	**2,639,595**	**3145**	**119**	**364**
HA5RST	1,520,925	1850	126	399
HA6KZS	134,208	548	56	136
HA3KHB	16,443	122	26	55

Ireland

EI7M	**9,774,384**	**5725**	**172**	**635**
EIØW	4,590,688	3391	141	515

Italy

IR4M	**14,153,292**	**6666**	**198**	**774**
IO5O	7,973,568	5223	170	592
IR2T	4,014,644	3370	154	499
IK1RIM	1,572,480	2441	102	318
YL1S	**1,038,312**	**1104**	**129**	**423**

Latvia

Macedonia

Z37Y	**924,888**	**1973**	**81**	**275**

Netherlands

PA6V	**1,848,326**	**2318**	**121**	**408**
PI4AMF	90,324	424	39	78
PI4ZOD	75,144	355	56	130

Norway

LA2AB	**1,428,610**	**2129**	**120**	**395**

Poland

HF8N	*7,286,100*	*4320*	*192*	*702*
SP4PND	**3,241,305**	**2970**	**156**	**513**
SN9V	3,021,700	2560	148	522
HF8O	2,797,200	2573	155	545
SP2KPD	1,799,256	2345	117	371
SP9KAO	1,074,528	1414	113	379
3Z1K	282,555	789	71	202
SP8KHT	144,228	525	55	149

Romania

YR1C	**5,305,374**	**4027**	**166**	**557**
YO4KCC	*505,768*	*1233*	*76*	*255*

Scotland

GMØEGI	**1,146,734**	**1174**	**122**	**392**

Serbia

YU1AAV	**4,335,870**	**2787**	**165**	**605**
YT6T	3,866,968	3198	157	537
YU1HFG	23,933	247	21	70

Sicily

II9P	**11,512,679**	**6134**	**201**	**746**

Slovak Republic

OM8A	**16,044,698**	**7190**	**206**	**812**
OM7M	12,652,277	6035	200	789
OM5M	4,812,698	3196	163	610
OM3RRC	3,049,614	2724	154	512
OM3KWZ	1,641,335	2095	105	358

Slovenia

S5ØG	**10,587,520**	**5356**	**196**	**736**
S59T	644	31	8	15

Spain

EA5RS	**12,447,588**	**6229**	**196**	**746**
EF7X	10,039,425	5578	181	668
ED5O	7,129,188	4963	165	583
EF5X	6,325,156	4450	165	599
EA4RCH	258,279	639	63	188
EB1LA	44,840	360	14	62

Svalbard

JW5E	**1,516,404**	**1730**	**107**	**321**

Sweden

SKØOO	**1,652,889**	**1895**	**139**	**512**
SK6NL	378,740	687	73	217
SI9AM	243,968	766	56	200

Switzerland

HB9LL	**911,988**	**1219**	**103**	**359**

Ukraine

UZ2M	**12,736,540**	**7177**	**205**	**777**
UT2G	6,131,340	4692	174	654
UTØAZA	1,487,010	2299	113	372
UU5J	1,418,536	1068	162	532
UX4E	523,709	968	99	268
UZ1I	71,145	373	37	116
UR6GWZ	2,880	54	11	37
UT3IZZ	378	10	8	10

OCEANIA

Australia

VK4CT	**8,968,134**	**5243**	**164**	**445**

Guam

AH2R	**9,155,034**	**4883**	**178**	**500**

Indonesia

YE1C	**2,360,791**	**2256**	**103**	**276**
YE3J	780,576	1214	82	200

New Zealand

ZL2J	**1,517,172**	**1963**	**98**	**178**

SOUTH AMERICA

Argentina

LT1F	**13,101,312**	**6197**	**179**	**589**
LS1D	9,076,265	5094	158	491
LT5X	276,045	1147	27	78
LU1UM	92,750	310	49	76

Bonaire

PJ4D	**9,499,108**	**5456**	**135**	**469**

Brazil

PY2NA	**5,903,656**	**3582**	**147**	**437**

South Shetland Islands

RI1ANF	**3,443,520**	**3012**	**108**	**314**

MULTI-OPERATOR TWO-TRANSMITTER

UNITED STATES

N3RS	**17,569,500**	**7230**	**184**	**700**
NY4A	**13,570,200**	**5918**	**175**	**665**
K8AZ	**13,417,648**	**5629**	**185**	**689**
KB1H	**13,051,920**	**5862**	**170**	**646**
K2LE/1	12,088,960	5494	180	652
K9CT	**11,984,070**	**5093**	**190**	**704**
N4WW	8,853,124	4119	179	654
W8AV	8,415,825	3863	181	644
K2AX	**6,968,631**	**3523**	**159**	**574**
N7AT	**6,642,218**	**3553**	**172**	**546**
W2YC	6,461,208	3205	166	601
MØJJ/9	*6,319,176*	*3096*	*171*	*582*
W5RU	**5,749,905**	**3071**	**169**	**566**
W2CG	3,694,368	2091	149	547
KE7DX	2,144,200	1513	149	419
W8BI	523,404	626	107	265

NORTH AMERICA

VE3EJ	**21,367,555**	**9211**	**201**	**734**
VP2V/AA7V	**12,046,755**	**7886**	**145**	**506**
VE6JY	**9,661,440**	**6020**	**165**	**515**
VE7IO	**857,790**	**1613**	**97**	**173**

AFRICA

CR3L	**37,281,102**	**13574**	**190**	**761**
7P8D	**6,727,212**	**5408**	**130**	**356**

ASIA

TC2M	**19,932,904**	**9111**	**183**	**670**
JA1YPA	**6,424,660**	**4332**	**168**	**415**
7J1YAJ	5,169,164	3764	157	415
RF9C	**4,888,485**	**2564**	**159**	**576**
RUØFM	**4,841,144**	**3308**	**170**	**446**
BY4AE	**1,802,088**	**2060**	**122**	**290**
JA1ZGP	914,004	1430	88	164
RKØLWW	302,689	999	75	104
BMØLF	**224,832**	**927**	**74**	**118**
JO1ZRT	193,325	461	82	127
JA1YXP	132,728	401	70	118
D7G	**86,515**	**755**	**55**	**66**
JA2YKA	**9,519**	**96**	**23**	**34**

EUROPE

EA2EA	**16,499,468**	**9271**	**195**	**731**
9A7A	**15,134,544**	**8249**	**196**	**730**
ED1R	14,437,335	8156	193	742
HG7T	**12,784,899**	**7159**	**198**	**735**
YT2W	**12,525,586**	**7797**	**183**	**655**
OHØV	**12,474,880**	**8311**	**183**	**703**
LZ5R	12,062,937	8037	182	677
II1A	**11,531,124**	**7414**	**171**	**643**
HB9CA	**10,804,544**	**7016**	**174**	**628**
LY2W	**10,675,728**	**6647**	**188**	**694**
UA4M	**9,897,648**	**6449**	**186**	**702**
DR4A	**9,804,378**	**5858**	**178**	**663**
S52ZW	**9,024,800**	**5998**	**177**	**623**
G5O	**8,426,912**	**5864**	**160**	**592**
TF4X	**8,344,464**	**7552**	**132**	**529**
SO9Q	**7,758,498**	**5017**	**171**	**636**
OMØM	**7,617,462**	**5234**	**176**	**606**
DKØEE	6,318,560	4308	171	637
RN3F	**6,088,346**	**4844**	**167**	**636**
DLØGL	5,753,892	4744	148	506
LU8YE	**4,419,072**	**3925**	**115**	**296**
UT7E	**4,332,412**	**3907**	**162**	**556**
9H3TX	**4,018,410**	**4678**	**137**	**457**
9A2L	2,990,538	2942	127	366
RL9X	**1,743,364**	**2489**	**125**	**426**
PI4D	**1,537,965**	**1883**	**97**	**332**
4U1ITU	**1,414,930**	**2309**	**103**	**315**
PA6Y	569,499	1131	80	249

OCEANIA

KH7X	**17,699,500**	**8846**	**190**	**510**
AHØDX	**9,388,726**	**5620**	**168**	**431**
ZM1A	**9,119,616**	**6145**	**148**	**380**
DX5ØDBT	**69,412**	**402**	**31**	**43**

SOUTH AMERICA

PJ4A	**28,442,709**	**12406**	**187**	**614**
PJ2T	**27,201,440**	**11911**	**180**	**635**
PW7T	**20,373,108**	**9052**	**172**	**646**
HD2A	**11,335,385**	**6454**	**157**	**478**
PT2CM	9,807,148	6288	145	459

MULTI-OPERATOR MULTI-TRANSMITTER

UNITED STATES

K3LR	**30,132,800**	**10985**	**203**	**815**
W3LPL	29,026,101	10601	203	824
NQ4I	**17,163,840**	**7237**	**196**	**745**
WT1T	**15,778,850**	**6620**	**187**	**708**
W3EA	11,928,087	5212	177	660
KØRF	**11,578,384**	**5593**	**193**	**669**
WØAIH/9	**10,775,996**	**5212**	**183**	**643**
K1KP	5,635,128	3563	129	439
NE3F	4,323,627	2415	158	535
N8RA/1	2,099,885	1426	130	415

AFRICA

D4C	**61,328,260**	**21107**	**205**	**825**
C5A	**49,863,331**	**17998**	**202**	**771**
EL2A	**31,610,598**	**12589**	**188**	**691**

ASIA

JA5FDJ	**17,658,706**	**7900**	**199**	**664**
JA3YBK	**15,828,768**	**7547**	**190**	**626**
RTØC	**7,305,111**	**5232**	**170**	**483**
JE1ZWT	**4,731,715**	**3240**	**163**	**394**

EUROPE

9A1A	**24,553,142**	**12667**	**208**	**810**
DR1A	**24,056,956**	**12147**	**206**	**830**
LZ9W	**21,138,775**	**11929**	**204**	**791**
Z38N	**19,975,680**	**13349**	**191**	**727**
DFØHQ	19,015,950	10302	199	794
HG1S	**11,675,270**	**8315**	**190**	**700**
DR5N	11,675,708	6810	182	704
OZ5E	**11,195,625**	**8118**	**178**	**675**
LY7A	**10,543,860**	**7652**	**178**	**677**
PI4CC	**10,343,828**	**7433**	**177**	**659**
F6KOP	**8,754,347**	**8074**	**154**	**525**
RY6Y	**3,882,341**	**3377**	**166**	**565**
G3V	**1,437,936**	**2549**	**87**	**261**
UZ2Q	**949,870**	**1452**	**103**	**327**

NORTH AMERICA

VE7FO	**8,511,696**	**5875**	**160**	**486**

SOUTH AMERICA

HK1NA	**39,809,140**	**15730**	**195**	**710**

OCEANIA

KH6LC	**16,083,956**	**9265**	**180**	**437**
ZM4T	**15,224,510**	**8225**	**164**	**501**
YE2W	**1,173,273**	**1776**	**92**	**217**

Xtreme Category*

Z6ØWW	**5,254,479**	**6493**	**125**	**424**
AA3K	887,830	780	111	359

** Entry did not meet rules for standard categories.*

CHECK LOGS

3Z5MT, 4XØA, AG6V, BD4GNV, BG4FRZ, BG5TNA, CT1FOQ, CX1CAK, CX2AQ, CX5CBA, DH2MS, DJ3RA, DJ5MO, DK1MAX, DK1TF, DK2WU, DK3RED, DK6OK, DL1ASH, DL1DUO, DL1RTL, DL2BQV, DL2HWI, DL2JIM, DL3JON, DL3NSM, DL5DSM, DL5MG, DL6GV, DL6UBF, DL7UCX, DL8AWK, DL8UAT, DL9MRF, DM4JK, DM5DX, E72U, F7JY, EA1AF, EA5EJI, EA3GBA, EA4GB, EA5AFP, EA5CLU, EA5HWP, EA7BJ, EA7HHV, EA7IPP, EA7UU, ES2EZ, ES4MM, ES5EP, EU2MM, F5VHY, F6FGZ, F6HKA, GØRPM, G0VXE, G3KMQ, G3MPB, G3RXQ, G3VDB, G3VPS, G3VQO, GM3YOR, HA1SN, HA1XY, HA8RM, HA9RP, HA9TA, HL2DC, I2CZQ, I5KG, IK4TVP, ISØESG, IT9DAA, IWØFFK, IW2MYH, IZ4DZD, IZ5MDQ, JA2KVD, JA3EQH, JA5EXW, JA5TNF, JF9KVT, JG1WNO, JG3WCZ, JH6JSR, JI3MJK, JRØKVU, JT1CS, KØGK, K4JH, K5QR, K6UW, K9ZT, KI7MT, KJ6MBW, KP2M, LA4QGA, LA4VGA, LA5EKA, LA7RJ, LB2TB, LU4FD, LX1EA, LX7I, LY2BNL, LY2CO, LY2F, LY2GV, LY2X, LY4OO, LZ1CW, LZ1EO, LZ1FJ, LZ1GU, LZ1MG, LZ2CW, LZ2HN, LZ2STO, LZ2TW, LZ3RN, MØKIS, M1ACB, M5LRO, N1WQ, N4UEZ, N5AU, N5IJE, OE3LHB, OH2NFN, OH8SE, OK1AVV, OK1DI, OK1DMP, OK1FHI, OK1FLC, OK1FMX, OK1ITK, OK1KRI, OK1MP, OK1VKC, OK1ZE, OK2BOB, OK2PAD, OK2PAY, OK2RN, OK2SG, OK4BX, OK7RJ, OM2XW, OM3TBG, OZ5AFM, PA4AO, PJ4NX, PP2RON, PY1JR, PY1NP, PY2SP, R1AO, R1AP, R2AB, R3DG, R3MA, R4DX, R4WF, R6GA, R6YY, R8TX, R9AM, RAØBO, RAØCHK, RA1QEA, RA3AV, RA3MAR, RA3QSY, RA3THN, RA3XDX, RA6DE, RA9YN, RC6IM, RD3ZC, RG7G, RJ3FJ, RK9LWA, RK9UC, RM4N, RN9A, RT1A, RT6T, RU3UN, RU3UR, RU6L, RV3ID, RV3LO, RV3PN, RV4CO, RV6FA, RV6LX, RW3CW, RW3PX, RW4WZ, RX3ASQ, RX9JQ, RX9WN, RY7A, RZØAF, RZ3EM, RZ3OV, RZ6FA, RZ6HWA, RZ9OP, S52OT, S59N, SF7WT, SMØQ, SM2LKW, SM5DRW, SM5ENX, SM5INC, SM5LNE, SM6BSK, SM6EQO, SO6C, SP2FAV, SP2FOV, SP2MKT, SP3CFM, SP3CGK, SP3QYQ, SP3UQG, SP3UY, SP4GDC, SP5BMU, SP5CFD, SP5DIR, SP5NVX, SP6CZ, SP6ECA, SP6JOE, SP6JZP, SP6M, SP6NVN, SP6QKP, SP7EXJ, SP7HOV, SP7JLH, SP7SQM, SP8FHM, SP8FNA, SP8HKT, SP9ODY, SP9QYB, SQ2IHP, SQ4HRN, SQ4NR, SQ5TA, SQ8MXS, SQ9GAI, SQ9KEJ, SV1XV, SV5/SM8C, TK5MH, UAØACG, UAØCW, UA0SC, UA1AFT, UA1AIR, UA1AJW, UA1AKE, UA1AUW, UA3AGW, UA3LDU, UA3SKV, UA3UCD, UA4NE, UA4UAR, UA4UBW, UA6GK, UA6GU, UA6IGI, UA6IK, UA6LO, UA9ADG, UA9CEP, UA9CSR, UN3GX, UN7ECA, URØET, UR4CWQ, UR4LCB, UR5LBM, UR5WCA, UR9LD, US1IW, US3IJV, US4IRT, US5ABI, US5CAO, US9PA, UT2AB, UT2IW, UT4EW, UT5SI, UT5ZA, UT7UW, UW4SU, UW5M, UX5UW, UY7CA, VA3YT, VE3IQ, VE3OI, VK7ZX, WV1M, WX3B, XQ7UP, YO2CMI, YO2NAA, YO3BA, YO4BTB, YO5LD, YO6DBA, YO9OC, YT3M, YV5EN, Z32ZM, ZS5XT

Red Cards: OL3Z, II2E, DL1QQ – time changes.

Yellow Cards: EW8EW, R9UT, RA7Y, RG3K, RK3FQ, RV9CP, S58P, UA1T, UT5C, YT1A – unclaimed assistance. YO8WW – power.