Results of the 2023 CQ WW DX SSB Contest

> ***My first CQ WW. It was an amazing experience! - 2E0SVB***

By John Dorr, K1AR

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What a great weekend – the 75th running of the CQ WW SSB Contest. You read that right; every last weekend of October for three quarters of a century, the bands have come alive as if by magic. It never ceases to amaze me that you can listen to the bands an hour or two before the contest starts in relative calm. Then, as if someone flipped on a light switch, they become filled from end-to-end with signals from around the world!

There's a good reason why the bands are so full. For starters, we received an impressive 9638 logs in the 2023 WW edition, a year-over-year increase of over 7% with 1500 entries showing up just one hour after the contest ended! Being a little "long in the tooth," I can remember when it literally took weeks for my share of the paper logs to arrive at Chez AR for log checking back in the early 80s. When compiling the data, I'm happy to report that your activity reflected 4,656,180 QSOs made during the contest (a 13.2% increase from 2022), producing an amazing average of 27 QSOs in every second of the contest. Indeed, even with some disturbed conditions over the weekend, we experienced the joy of an emerging solar peak!

One of the fantastic aspects of the CQ WW is the range of activity that participates from around the world. Whether it was Greenland (OX) or Angola (D2), Chatham Islands (ZL7) or Pakistan (AP), the world was well represented. Do you remember the days when BY1PK was one of the first and only stations that was allowed to operate from China? Times have changed as we received 245 logs from China in 2023.

Here is part of Team PJ4K hard at work working 16,000 QSOs (l-r, N6KT, N3RD, W4PA, KM3T)!

Here's a youthful statement! Team YR0K showing the power of young operators in the CQ WW!

There's one last piece of introductory business I'd like to offer with my thanks – your soapbox comments and input. With literally hundreds of comments, I can't address them all here, but can provide a representative sample that reflects your interest, excitement, and experiences in what is undoubtedly the most popular contest in the world – the CQ WW! Here's just a few for you to enjoy. Note that all comments are available at: https://cqww.com/soapbox.htm?yr=2023.

- *"Our very young team of schoolchildren showed a good debut!! Six youngsters and their teacher supported the competition from Ukraine. 73!" – Crew of RIVNE DX CLUB EM7KAA*
- *"I had no intention of doing much of anything in this contest, except hoping I could get Zone 29 on 20M. Unexpectedly, that was my very first contact, and after that it was like eating M&Ms… I just couldn't stop… a totally fun weekend!" – K1YWW*
- *"I for one love this event, and I very much look forward to next year." – 2E1BRT*

So, with the introductions complete, let's move on to the star of this show – your results in the 2023 CQ WW SSB Contest.

Some Amazing Results!

The good news as solar conditions improve is that we have the potential for amazing conditions, particularly on 15 and 10 meters. The bad news is that an active sun often offers a much greater potential for solar disturbances and storms. Such was the case in the beginning of the 2023 CQ WW SSB contest as the K-index hovered around 4, suggesting that it could be a long, long weekend. As we've learned over the years, however, our solar friend can often surprise us as conditions turned out to be nothing short of spectacular. Ten meters delivered incredible results with your comments and scores reflecting the excitement we all enjoyed.

The annual slugfest of World Single Operators did not disappoint as Tom, W2SC, took the crown from his newly minted 8P5A station, posting a winning score of 16.1 million. You would think that 3666 QSOs on 10 meters would keep him busy, but Tom also managed to pull in 2500 contacts on 20 and 15 meters as well. An equally respectable showing came in from Jamaica as Manu, LU9ESD, achieved a fantastic result of 15.1 million from 6Y1V!

All you need is a van, some basic yagi antennas and a mast like KW7MM, right? Lionel's 2023 CQ WW SSB mono-10 meter effort was simply amazing.

The low-power contingent had a standout performance by Dimitri, RA3CO, who navigated his way to Suriname and put the relatively rare PZ5CO station on the air, breaking the 10 million point barrier with just 100 watts! Also, in an even rarer QTH far from the population centers, Holger, ZL3IO, just couldn't compete from Chatham Islands, but still posted a fine second place score of 4.5 million.

The U.S. Single Op battle was also very competitive this year as two stations made it into the World Top-10 listings, with Kevin, N5DX, winning from N2QV's station with a fantastic score of 10 million. Krassy, K1LZ, operating from the eastern edge of Maine gave Kevin a run for his money with an excellent result of 8.5 million. Of note is that there were six scores from Zones 3 and 4 in this year's Top 10, demonstrating that you don't have to be on the East Coast to place well when conditions are good.

The QRP group had a big surprise this year as K1ZM produced a 1.2 million point score, more than doubling his nearest competitor, having recently returned to Cape Cod from his former dominant VY2ZM Canadian QTH.

Single band operating continues to be a huge favorite amongst CQ WW operators. In many ways it's much easier to focus on one band or leverage the strength that your station may have with a single band antenna installation. The incredible effort from HK1T demonstrates this as Salim worked over 3500 QSOs on 15 meters alone, producing a 1.5 million point single band score! If you take a look at the top 10 meter scores, it's nothing short of a global demonstration with entries from 4L, CE, VK, UP, LU, 9N, and I!

Enthusiasm abounds with the ops as the impressive 9M8J Multi-Op Explorer set-up takes shape.

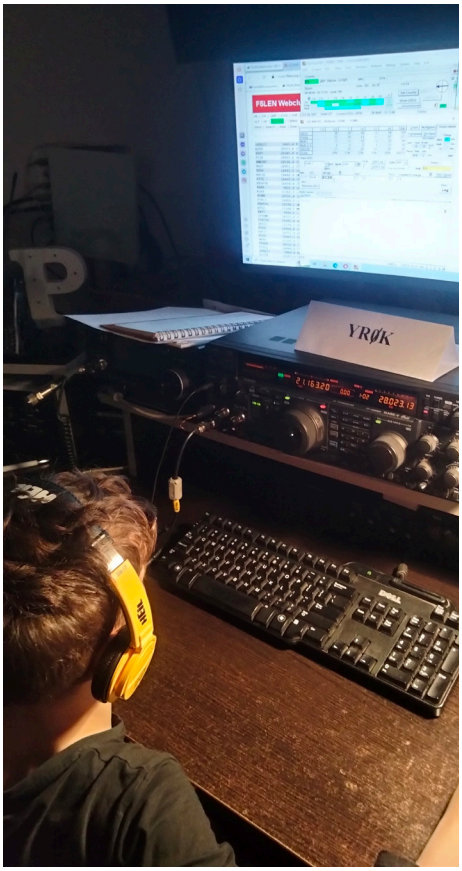
A quick peek at the multi-op scores may give you pause and consider the possibility of typographic errors. The scores are incredible. I'm not sure which one is more impressive as I report a winning Multi-Single Score of 27.7 million from P33W. Then there was the amazing results from V47T, where 12,000 QSOs were made from their Multi-Single set-up. Or, perhaps the 37.3 million point Multi-Two effort from the team at PJ4K. And, finally the mind-boggling result from CN3A in the granddaddy Multi-Multi group where the team, led by IK2QEI and others, worked 22,000 QSOs, resulting in an amazing tally of 56.5 million! Having come in second place last year, Team CN3A was bound and determined to win and win they did! Finally, check out the score achieved from the K3LR superstation, where the team posted a #2 world ranking, tallying nearly 25 million points and 11,000 QSOs from Western Pennsylvania!

Lastly, let's be sure to recognize the Youth group. I recall the day when making 1 million points was an incredible achievement in the CQ WW for any age group. This year, the winner of the Youth Overlay category, SQ9ORQ, operating from the fine SO9I station blew that away with a final score of 6.1 million! In fact, six Youth entries cracked the 2.5 million point barrier, amazing achievements by the youngest amongst us!

A Category for Everyone!

There is one aspect of the CQ WW that can't be debated – the large number of operating categories available to its participants (See Table 1). Having so many categories is both a blessing and a curse in that there is more opportunity to create winners, while at the same time presenting huge administrative challenges needed in keeping track of it all. As you might expect, the category requests keep coming ranging from "Over xx-years-old" to "High score with wire antennas." Add the possibilities of power options, assisted/ unassisted, and multi-ops, you can imagine how unwieldly this subject quickly becomes. While there's always room for new ideas in the WW, it's time to take a pause in creating new categories for now.

In the widely watched race between assisted and unassisted entries, the unassisted group easily won out by a large margin (3446 vs. 2610 logs). Low power, unassisted entries continue to dominate the log entries, demonstrating the influence the "smaller stations" carry in this contest.



One of the YR0K ops at work. How does this compare to your first rig?

Table 1 – 2023 CQ WW SSB Logs by Entry Class

Category	AF	AS	EU	NA	OC	SA	ALL	% of all
ALL High Assisted	2	86	511	653	27	25	1,304	19.7%
ALL High Unassisted		118	316	323	53	24	844	12.8%
ALL Low Assisted	4	95	658	402	51	64	1,274	19.3%
ALL Low Unassisted	12	284	1,240	706	157	67	2,466	37.3%
ALL QRP Assisted		5	22	2	2	1	32	0.5%
ALL QRP Unassisted		15	82	23	12	4	136	2.1%
Multi Explorer		1	7		3	1	12	0.2%
Single Op Explorer			5	1		1	7	0.1%
Multi-2	1	13	41	29	6	6	96	1.5%
Multi-Multi	1	5	21	17	1	2	47	0.7%
Multi-Single High	5	21	130	45	12	13	226	3.4%
Multi-Single Low	1	39	81	18	11	10	160	2.4%
ALL	36	682	3,114	2,219	335	218	6,604	
% by Continent	0.5%	10.3%	47.2%	33.6%	5.1%	3.3%	100.0%	

* Single Band Entries Excluded

Accuracy Matters in Contesting

It's one thing to work lots of stations in the CQ WW. It's quite another accomplishment to do so with accuracy. Unlike many other contests, the copying challenges of the CQ WW are less strenuous as the primary need is to get the callsign correct as most zones are already known. However, you'd be surprised how many bad QSOs are logged because an operator made an incorrect assumption about a received zone vs. what was sent!

This year's batch of high performing single operators (See Table 2) was an impressive and growing group that had a 1% or less error rate (errors defined as bad calls, not-in-log QSOs, and busted exchanges). That result is particularly notable for logs containing multi-thousand QSOs. Also, there is an additional elite group that needs to be recognized for their year-on-year consistency (2022 + 2023): DP5P (DL1MHJ), K1BX, K6NA, K6XX, WP3C, and WW4XX (LZ4AX). Great job by all!

Table 2 – Accuracy Winners for the 2023 CQ WW

99+% Accurate QSOs – SO All Band Unassisted, over 1000 Qs /

Entrant	Power	Raw QSOs	Final QSOs after checking
DH1UK	HIGH	1142	1131
DM5EE	LOW	1642	1634
DP5P (DL1MHJ)*	LOW	1182	1175
EA3CI	HIGH	2435	2417
EW1I	HIGH	1008	999
JH7QXJ	HIGH	1530	1516
K1BX*	LOW	1319	1310
K3TC	HIGH	1024	1014
K6NA*	HIGH	1202	1196
K6XX*	HIGH	1936	1918
LY9A	QRP	1297	1287
M5DX (G4FAL)	HIGH	2083	2065
MM1E (MM0GOR)	HIGH	1730	1720
N2IC	HIGH	2876	2849
N5DX	HIGH	5541	5490
OL5Y	LOW	1487	1474
PA4VHF	HIGH	1724	1716
PC2T	HIGH	1071	1062
RM9I	LOW	2392	2369
SM5X (SM5GMZ)	HIGH	1136	1125
VE5MX	HIGH	3671	3642
VE6BBP	HIGH	1160	1150
WP3C*	LOW	5154	5124
WW4XX (LZ4AX)*	LOW	1405	1394
YO4RDW	LOW	1976	1957
YP0C (YO3CZW)	HIGH	4487	4444
ZS4TX	HIGH	1309	1296

** repeat from WW SSB 2022*

The CQ WW Contest is a Global Phenomenon for Youth!

The popularity of our recently created Youth overlay continues to grow, which should be of great encouragement to those of us who are a little longer in the tooth. As you can see in Table 3, what was particularly impressive was the fact that we had youth entries from 36 countries, including ten logs from China alone! Hidden from this data is the fact that there were also a number of multi-op stations that included young operators (take note of the soapbox comment by the EM7KAA team of 10-year-old school kids!).

Table 3 – 2023 CQ WW Single-Operator Youth Entries by Geography

Country	AS	EU	NA	OC	SA	ALL
9A		3				3
BV	1					1
BY	10					10
CE					1	1
DL		13				13
EA		1				1
EI		1				1
ES		1				1
F		2				2
G		4				4
HA		1				1
HL	1					1
HS	1					1
I		3				3
JA	2					2
K			24			24
KH6				1		1
LY		1				1
OE		1				1
OK		1				1
OM		1				1
PY					3	3
S5		4				4
SP		12				12
SV		1				1
TA	1					1
UA		5				5
UA9	1					1
UR		1				1
VE			1			1
VK				1		1
XE			1			1
YB				3		3
YO		7				7
YT		3				3
ZL				1		1
ALL	17	66	26	6	4	119

Some Folks Can Really Talk!

We've all heard them operating. Maybe you're one of them. These are the folks that can rattle out phone QSOs like that classic Federal Express high-rate TV commercial (see https://www.bing.com/videos/riverview/relatedvideo?q=fedex+fast+talking+commercial&mid=BF4F-3C24E8D1DF1E54BDBF4F3C24E8D1DF1E54BD&FORM=VIRE). For many of us, it's hard to imagine working 438 QSOs over the entire weekend, much less in one hour as what was done by Manu, LU9ESD from 6Y1V. Or, maybe you find ES2MC's 118 QSO rate, while running five watts, to be even more impressive. Of course, two other concepts need to be stressed here: 1) Getting the QSO info correctly while operating at lightning speeds, and 2) being compliant with the CQ WW rules, which stipulate that you sign your callsign at least every three QSOs. You can find more rate information at https://www.cqww.com/rates.

Table 4 – 2023 CQ WW SSB High Rates by Category

***Note that rate is defined as total QSOs in 60 minutes minus errors**

SOAB High Power

CALL	Rate*
6Y1V	438
NP2X	395
8P5A	379
KP2M	368
TI7W	339

SOAB Low Power

CALL	Rate*
PZ5CO	342
3V8SS	260
WP3C	258
EY7BJ	247
ZL7IO	240

SOAB QRP

CALL	Rate*
ES2MC	118
LZ5Y	102
ZY6G	78
PC2F	76
ES6RW	76

Multi-Single (High Power)

CALL	Rate*
CR3DX	394
P33W	391
E7DX	384
V47T	367
D4C	345

Multi-Single (Low Power)

CALL	Rate*
VP5M	272
ZW5B	270
ZF2B	265
EX9A	227
UZ2M	205

Multi-2

CALL	Rate*
ZF1A	684
PJ4K	576
CR6K	455
PX2A	432
W3LPL	420

Multi-Multi

CALL	Rate*
CN3A	751
PJ2T	718
M6T	641
KC1XX	599
KH6J	594

Some Other Items of Interest

Occasionally, contest operations get some good press, often surprising to those involved. Such was the case for the 2023 PJ4K Multi-2 team, who posted an incredible score of over 37 million points, working nearly 16,000 QSOs. And, while it wasn't the New York Times providing the coverage, the local Bonaire Reporter, published a nice spread about the team, together with a photo op of K1XX and W4PA! You can find the article archived at: https://southeastcontestclub.com/wp-content/uploads/2023/11/PJ4K-Article.png.

And, while there are many examples out of 9500 log entries that are above the norm, one that stands out was the amazing accomplishment by KW7MM in the 2023 CQ WW. Using a completely portable van set-up, Lionel managed to deliver a stunning 709K single-band 10 meter score of 1680 QSOs, 36 zones, and 130 countries, operating from the outskirts of Phoenix, AZ (see photo). In his "spare time," Lionel works for NXP, known for making most of the LDMOS devices used in today's solid-state amplifiers.

The Director's Thoughts…

In this year's analysis, we clearly saw an overall reduction in cheating and abuse of the rules. However, there remain a few items that I want to highlight as we look forward.

If you choose to continue to use assistance tools as a single, unassisted operator, we will very likely uncover your tactics. The same is true for self-spotting. Without disclosing all the details, the committee now possesses the ability to listen to virtually any QSO in the contest due to the implementation of our global SDR network.

Another area of concern is in the signal quality of a few stations. Whether it's a dirty amplifier, high power, or a simple matter of turning the knobs too high, complaints were registered and we followed up by listening to recordings and issuing warnings. Keep in mind that the rules are quite specific about this issue and stricter measures are likely next year.

One final note has to do with signing callsigns. It's tempting to quickly work 5 or 10 guys in a row without signing your call. Unfortunately, that's incredibly frustrating to the folks on the other side and frankly, non-compliant with the rules.

So, with the above being said, you've been warned. But, more importantly, my sincere thanks go to the majority of you that take the goal of fair play seriously in your station usage and operating style. All of you in this group are the true winners of our contest!

Some Final Accolades

Somehow the years have flown by as this is now my fifth year serving as your CQ WW Director. I can't emphasize this point enough – producing the CQ WW results is an enormous team effort. The heavy lifting takes place by an amazing group of dedicated contesters to whom I offer my sincere thanks. In particular, this year's team was: AA3B, Bud Trench; CT1BOH, José Nunes; EA4KD, Pedro Vadillo; ES5TV, Tonno Vahk; F6BEE, Jacques Saget; G0MTN, Lee Volante; HA1AG, Zoli Pitman; IK2QEI, Stefano Brioschi; JH5GHM, Katsuhiro (Don) Kondou; K1DG, Doug Grant; K1EA, Ken Wolff; K3LR, Tim Duffy; K3WW, Charles Fulp; K5ZD, Randy Thompson; KR2Q, Doug Zwiebel; LA6VQ, Frode Igland; N9RV, Pat Barkey; OH6LI, Jukka Klemola; PA3AAV, Gert Meinen; RA3AUU, Igor (Harry) Booklan; S50A, Tine Brajnik; S50XX, Kristjan Kodermac; UA9CDC, Igor Sokolov; VE3EJ, John Sluymer; VK2IA, Bernd Laenger; YO3JR, and Andrei (Andy) Ruse.

The next CQ WW SSB contest will be here sooner than you think. And, with conditions being better than ever, I hope to work you in October!

73, John, K1AR

CQ WW Contest Director

Exploring from Romania

Our Team YR0K chose to operate in the EXPLORER category, setting up two sites for our station design. The first contest station was located in a Parks on the Air (POTA) area with the other one being approximately 20 Km from our club shack. We used the prestige of participating in the CQ WW to entice as many kids as possible to experience amateur radio via this operation.

The YR0K team for the 2023 CQ WW SSB Contest consisted of kids under 14 years old, all of which had their license for less than one year (see photos)! In fact, most of our operators were actually 10-year-olds and used no more than 50 watts according to their license restrictions.

We are proud to support one of the European Radio Operator's Organization's (EURAO) key goals, which has declared 2023/4 be the year to support kids in the CQ WW and to develop many of them in becoming future hams! Because of the support from the Explorer category and the CQ WW overall, we expect to see many more kids and teams of kids in future CQ contests!

73, Petrica, YO9RIJ

YR0K Manager

2023 CQ WW SSB 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
8P5A	33/5/12	520/15/67	1271/27/90	2550/36/102	2444/34/106	3666/32/113
6Y1V	82/6/14	437/15/61	1851/27/100	2524/34/107	2478/35/107	3003/26/102
EA8RM	69/9/35	193/12/48	704/21/67	1514/25/78	2197/33/104	3877/33/101
*PZ5CO	0/0/0	90/10/29	623/29/92	1885/32/104	1036/31/104	2787/34/118
HQ9A	72/7/10	216/15/34	851/25/75	1827/31/99	2377/34/107	2333/28/106
N5DX	74/10/32	229/18/63	1061/24/90	1475/33/109	1442/29/105	1209/28/104
XL3A	132/10/13	525/17/54	1042/21/77	1488/35/107	1505/29/102	1291/22/97
K1LZ	61/9/28	218/11/51	1064/25/86	1178/31/105	1582/27/95	1270/25/93
CT3KN	14/4/11	95/10/42	128/15/54	1236/25/78	2057/31/96	1956/32/95
IR2Q	178/10/42	561/11/56	634/24/80	1410/32/109	1431/33/101	1453/33/100

WORLD SINGLE OPERATOR ASSISTED ALL BAND

Station	160	80	40	20	15	10
P33W	165/13/61	418/18/87	1183/30/113	3056/38/142	2746/36/142	3600/38/154
CR3DX	126/10/54	544/21/82	1128/29/106	2160/36/133	2666/38/136	4380/36/154
D4C	111/11/51	152/19/72	607/29/94	2616/36/130	2644/38/138	4605/36/156
V47T	45/10/29	382/19/77	1276/30/108	2899/37/131	3223/38/132	4176/35/144
PJ4G	17/8/17	261/18/67	1421/28/101	1181/36/123	1389/37/128	4043/35/134
E7DX	102/11/59	636/21/89	1540/32/127	1934/39/143	2635/39/146	2356/38/153
IR4X	85/9/54	286/17/79	1538/34/124	1114/38/135	2316/39/146	1807/38/150
EW5A	266/13/61	716/21/85	1519/34/125	1658/38/136	2101/36/139	2305/37/151
KP4AA	32/6/17	349/17/73	877/25/97	1954/37/129	1826/36/126	2443/35/139
9A7A	49/8/49	484/16/73	1309/31/113	894/38/134	2000/39/139	1893/38/144

WORLD MULTI-OPERATOR SINGLE-TRANSMITTER

Station	160	80	40	20	15	10
PT5J	15/8/10	74/16/35	226/27/81	1266/38/116	1650/37/122	2886/36/140
P40W	12/4/12	128/15/50	531/24/82	1164/31/98	1614/33/116	2648/30/116
ED5D	26/6/18	313/13/66	1047/27/91	1309/36/115	1928/35/117	2356/35/120
NP4Z	35/7/17	311/14/57	879/27/93	1566/35/107	1258/34/109	2565/32/131
ES7A	207/8/48	588/18/82	1269/33/120	933/38/133	1592/39/141	1414/36/142
S53MM	146/9/51	540/15/75	731/28/103	1231/37/130	1308/38/128	1120/37/135
ED8M	50/6/17	449/13/61	626/22/81	913/26/93	1471/30/103	1136/29/110
IP3A	87/5/45	435/12/70	595/26/97	1131/34/120	1260/36/127	1297/37/135
LY4A	320/12/58	1001/19/78	1285/30/100	1500/34/102	1276/32/109	1082/34/116
IR1G	103/7/48	529/16/76	884/30/106	1120/37/126	853/35/118	1071/38/132

WORLD MULTI-OPERATOR TWO-TRANSMITTER

Station	160	80	40	20	15	10
PJ4K	122/13/27	701/25/79	2651/30/117	3195/38/125	4351/37/141	4948/37/141
ZF1A	99/7/18	400/15/64	2475/28/106	3533/36/123	3436/35/130	4188/35/143
CR6K	136/10/48	879/19/80	1610/33/116	2195/40/136	3961/38/139	3196/37/151
PX2A	1/1/1	39/13/21	319/27/80	1466/36/111	2981/37/130	4149/34/133
W3LPL	47/9/34	440/17/74	930/28/101	1056/36/130	2178/38/137	2276/35/145
TO5A	24/5/5	286/16/52	1293/29/96	2277/34/113	2607/35/120	3156/34/121
9A5Y	212/12/55	1023/18/80	1481/26/102	1941/37/125	3235/37/134	1700/36/135
II2S	209/7/51	1068/17/76	1698/31/114	1784/39/134	2348/39/136	1598/38/144
ED1R	202/11/52	856/19/81	1432/30/111	1770/36/133	2839/36/126	2452/37/144
VE3VN	113/9/13	466/15/58	1412/26/99	1556/36/118	1825/35/116	1448/31/130

WORLD MULTI-OPERATOR MULTI-TRANSMITTER

Station	160	80	40	20	15	10
CN3A	427/11/54	1703/24/91	2854/32/119	5009/38/141	5626/39/150	6375/38/159
K3LR	358/15/42	877/24/86	1820/34/120	2614/39/155	2997/39/150	2361/38/152
PJ2T	71/10/20	570/20/67	1957/28/103	2918/37/119	3486/37/123	3283/30/113
V26B	56/8/18	503/17/64	1819/24/92	3458/37/122	3750/37/124	3984/35/124
9A1A	872/15/68	2154/22/97	3024/31/120	3247/37/138	2977/37/138	1563/37/134
M6T	725/12/59	1958/21/93	3522/34/130	2695/38/140	2338/39/143	1862/36/147
YT5A	583/11/59	1749/15/79	3257/31/125	3436/38/140	3067/38/144	2037/37/144
LZ9W	585/11/60	1453/20/88	2621/32/123	3694/38/140	2602/38/139	2438/38/147
DF0HQ	796/12/63	1848/20/92	2955/33/125	2704/37/146	2131/40/145	1564/38/149
KC1XX	89/11/33	340/17/72	1538/27/105	1966/38/127	2358/34/124	1934/36/146

USA SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
N5DX	74/10/32	229/18/63	1061/24/90	1475/33/109	1442/29/105	1209/28/104
K1LZ	61/9/28	218/11/51	1064/25/86	1178/31/105	1582/27/95	1270/25/93
K4ZW	22/7/12	131/14/55	351/24/73	625/32/97	1048/32/108	1094/31/103
K5TR	23/7/13	55/12/32	668/27/79	591/33/97	1025/33/100	1552/32/108
W9RE	22/6/11	92/13/44	561/22/81	556/31/97	1327/33/102	809/26/90
NR3X	30/6/15	121/12/51	337/20/72	770/29/102	1023/32/101	980/26/102
K4AB	25/7/15	150/16/55	172/23/70	476/31/102	1233/33/112	941/29/110
K5GN	19/6/10	48/11/32	379/26/75	515/32/102	1121/32/107	1241/29/108
N2IC	9/7/7	93/17/35	400/26/64	280/30/89	914/34/107	1153/32/99
ND7K	13/6/6	126/14/25	703/28/66	360/29/71	872/29/86	1220/30/97

USA SINGLE OPERATOR ASSISTED ALL BAND

Station	160	80	40	20	15	10
NU4E	30/9/14	179/17/64	257/25/80	670/34/111	1302/37/121	930/32/128
K3WW	36/9/23	209/15/66	239/24/84	786/31/111	761/32/109	1146/32/124
AA3B	40/9/24	307/12/57	235/21/76	711/33/108	860/30/110	1111/28/118
N2SR	4/2/2	57/14/46	148/20/69	575/36/108	1079/33/113	1302/33/127
N3RS	13/5/8	164/13/59	194/25/80	430/35/111	814/37/119	982/34/140
K1KI	11/5/5	142/12/49	166/21/70	758/33/109	900/31/108	903/28/127
AB3CX	29/7/18	247/14/59	335/22/78	395/30/101	584/30/104	1002/30/130
N2NT	13/3/5	94/10/49	226/22/73	577/28/97	1315/28/107	327/24/87
*NN7CW	5/4/4	148/14/61	184/23/63	433/32/102	585/29/98	900/33/115
AA1ON	33/8/17	172/14/57	146/21/65	369/30/103	374/31/106	934/29/128

USA MULTI-OPERATOR SINGLE-TRANSMITTER

Station	160	80	40	20	15	10
N4RV	13/6/12	183/16/63	233/26/87	370/34/113	1123/36/127	619/31/133
NJ4P	10/4/5	70/15/56	195/26/80	427/36/117	771/36/121	774/33/133
KQ3F	4/3/3	80/13/45	139/20/68	317/29/98	615/30/103	1075/28/122
WW4LL	3/3/3	106/14/50	327/24/79	352/31/107	479/35/110	786/30/119
K1VR	4/3/3	131/14/57	204/21/75	324/29/96	539/28/97	663/27/117
K5KG	1/0/1	0/0/0	283/18/67	219/29/95	654/28/104	697/26/116
*NT0K	0/0/0	48/11/32	134/18/55	240/27/84	408/28/96	655/25/103
K2DM	11/4/7	44/11/29	141/21/66	302/33/97	456/28/95	417/30/109
NV9L	0/0/0	57/11/41	153/22/67	221/28/90	284/27/91	439/29/107
K9YY	3/3/3	23/7/16	120/21/60	297/28/90	373/29/94	403/30/97

USA MULTI-OPERATOR TWO-TRANSMITTER

Station	160	80	40	20	15	10
W3LPL	47/9/34	440/17/74	930/28/101	1056/36/130	2178/38/137	2276/35/145
K1RX	32/10/19	356/17/71	535/24/90	1192/38/120	1800/34/124	1350/31/135
N2AA	38/9/22	323/15/67	309/24/85	1211/33/119	1339/36/117	1265/31/130
K2AX	27/7/13	234/15/66	248/21/80	800/35/116	1458/36/120	1360/35/135
K9CT	36/7/10	205/18/62	326/24/80	814/36/113	1458/36/121	1126/35/127
W4NF	18/7/9	164/13/55	391/20/78	644/31/107	1082/33/117	958/33/126
KA1ZD	25/7/17	118/15/60	190/26/82	441/34/111	880/35/116	982/32/133
N7DX	15/4/3	89/13/26	390/28/75	779/35/118	1008/34/110	773/28/78
AA4VT	18/4/5	249/16/65	299/23/82	564/31/103	679/32/109	959/29/120
WG3J	6/2/2	60/9/32	157/15/57	174/26/79	566/22/87	371/24/90

USA MULTI-OPERATOR MULTI-TRANSMITTER

Station	160	80	40	20	15	10
K3LR	358/15/42	877/24/86	1820/34/120	2614/39/155	2997/39/150	2361/38/152
KC1XX	89/11/33	340/17/72	1538/27/105	1966/38/127	2358/34/124	1934/36/146
WX3B	32/5/9	265/19/73	563/24/90	1813/35/123	2200/35/128	1488/33/122
K1TTT	73/7/16	266/17/71	729/27/99	1124/37/125	1889/35/123	1247/30/131
K9RS	21/6/11	276/16/67	289/24/87	643/36/122	1246/36/125	1439/34/140
W3PP	45/10/31	207/14/67	245/22/78	1056/35/119	1230/37/118	953/31/125
K3EST	35/8/7	255/19/32	636/28/75	906/38/112	1045/35/119	1046/33/106
W2A	9/4/4	52/14/40	187/20/71	1097/34/113	1211/34/113	916/30/120
K1KP	0/0/0	172/11/54	180/20/68	351/27/99	390/29/97	706/28/118
NE3F	10/4/4	132/11/52	170/20/64	333/30/100	625/29/101	546/26/109

EUROPE SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
IR2Q	178/10/42	561/11/56	634/24/80	1410/32/109	1431/33/101	1453/33/100
9A1P	132/6/42	324/14/56	1123/27/86	1040/35/107	1274/35/111	1607/37/120
OM0R	221/7/46	600/16/66	975/25/87	675/30/94	1699/36/112	1539/35/100
OM2VL	280/11/51	443/16/63	931/28/96	751/32/110	1141/33/104	1295/36/107
EA2W	57/7/32	336/14/60	463/20/72	1100/32/96	1443/35/104	1659/36/113
IY3A	161/5/39	396/10/54	417/24/79	830/33/106	1694/36/116	1007/32/101
UW5Y	47/6/26	294/10/55	1039/21/83	1307/27/93	1199/31/94	1302/36/109
S5`G	94/5/33	357/13/54	600/24/80	993/29/90	1338/31/92	1262/34/90
IR2M	152/6/41	488/11/53	651/22/72	827/34/104	1272/31/93	1136/33/95
ES5G	242/8/45	538/14/52	842/25/84	1217/30/91	1367/33/105	1016/31/88

EUROPE SINGLE OPERATOR ASSISTED ALL BAND

Station	160	80	40	20	15	10
ED5D	26/6/18	313/13/66	1047/27/91	1309/36/115	1928/35/117	2356/35/120
ES7A	207/8/48	588/18/82	1269/33/120	933/38/133	1592/39/141	1414/36/142
S53MM	146/9/51	540/15/75	731/28/103	1231/37/130	1308/38/128	1120/37/135
IP3A	87/5/45	435/12/70	595/26/97	1131/34/120	1260/36/127	1297/37/135
LY4A	320/12/58	1001/19/78	1285/30/100	1500/34/102	1276/32/109	1082/34/116
IR1G	103/7/48	529/16/76	884/30/106	1120/37/126	853/35/118	1071/38/132
HG8R	69/7/39	516/14/66	1091/26/97	825/37/118	1202/34/128	1225/38/139
RK4FD	105/12/48	330/17/69	922/27/103	1352/35/125	1505/36/128	1859/36/140
S57AL	77/8/45	452/15/67	1171/28/99	1154/35/118	840/35/117	993/35/136
SO9I	118/8/48	377/15/63	585/24/88	1035/35/110	1117/35/118	1019/34/121

EUROPE MULTI-OPERATOR SINGLE-TRANSMITTER

Station	160	80	40	20	15	10
E7DX	102/11/59	636/21/89	1540/32/127	1934/39/143	2635/39/146	2356/38/153
IR4X	85/9/54	286/17/79	1538/34/124	1114/38/135	2316/39/146	1807/38/150
EW5A	266/13/61	716/21/85	1519/34/125	1658/38/136	2101/36/139	2305/37/151
9A7A	49/8/49	484/16/73	1309/31/113	894/38/134	2000/39/139	1893/38/144
IR6T	52/9/52	343/16/75	1247/29/112	1593/38/135	1662/39/135	1562/37/142
TM6M	114/7/40	648/16/78	925/28/103	1496/38/132	2249/39/128	1369/38/150
SP8R	99/11/55	564/18/75	1595/30/116	2273/38/140	1459/40/139	1083/37/143
RU1A	94/10/53	566/20/78	1749/34/122	1783/36/134	1826/39/145	1366/37/147
EI7M	122/9/47	526/21/79	798/29/115	1189/37/125	2123/38/132	1788/36/134
RL3A	260/15/61	642/19/81	1094/34/124	1598/38/135	1475/39/149	2379/38/153

EUROPE MULTI-OPERATOR TWO-TRANSMITTER

Station	160	80	40	20	15	10
CR6K	136/10/48	879/19/80	1610/33/116	2195/40/136	3961/38/139	3196/37/151
9A5Y	212/12/55	1023/18/80	1481/26/102	1941/37/125	3235/37/134	1700/36/135
II2S	209/7/51	1068/17/76	1698/31/114	1784/39/134	2348/39/136	1598/38/144
ED1R	202/11/52	856/19/81	1432/30/111	1770/36/133	2839/36/126	2452/37/144
DP7D	196/7/48	871/18/75	1013/30/107	1136/36/127	1482/37/127	1752/37/142
S53M	140/8/47	820/15/74	1817/31/117	1208/35/119	1513/38/124	951/36/132
HG7T	129/6/39	749/15/67	1296/29/115	1627/38/129	1361/35/122	1595/37/140
II9P	53/7/34	351/14/59	1464/27/85	1983/35/107	1934/37/116	1858/33/118
CR6P	43/4/13	674/12/62	1124/21/79	2342/32/107	1852/34/114	1298/22/73
DR4A	255/7/49	654/13/64	1273/29/104	1083/37/120	1158/35/126	786/37/129

EUROPE MULTI-OPERATOR MULTI-TRANSMITTER

Station	160	80	40	20	15	10
9A1A	872/15/68	2154/22/97	3024/31/120	3247/37/138	2977/37/138	1563/37/134
M6T	725/12/59	1958/21/93	3522/34/130	2695/38/140	2338/39/143	1862/36/147
YT5A	583/11/59	1749/15/79	3257/31/125	3436/38/140	3067/38/144	2037/37/144
LZ9W	585/11/60	1453/20/88	2621/32/123	3694/38/140	2602/38/139	2438/38/147
DF0HQ	796/12/63	1848/20/92	2955/33/125	2704/37/146	2131/40/145	1564/38/149
OT5A	590/11/57	1398/13/67	2303/28/104	1642/39/121	1509/36/119	1186/34/128
LN8W	599/12/58	1160/18/81	1630/32/116	1844/36/125	1418/38/134	947/37/140
TM1A	277/5/41	714/11/58	1243/26/96	1519/33/115	742/35/110	871/32/120
M6C	352/8/44	1142/13/63	1484/20/83	1498/31/108	519/27/93	394/28/98
PI4CC	136/6/35	530/12/51	545/20/74	759/29/96	417/31/106	533/31/111

2023 CQ WW SSB TOP SCORES

WORLD SINGLE OPERATOR HIGH POWER All Band

8P5A (W2SC)	16,139,862
6Y1V (LU9ESD)	15,079,056
EA8RM	13,620,224
HQ9A (VE3DZ)	10,390,487
N5DX	10,047,165
XL3A (VE3AT)	8,629,768
K1LZ	8,459,496
IR2Q (IK2PFL)	7,743,001
9A1P (9A1UN)	7,613,112
OM0R (OM3GI)	7,442,520

3.7 MHz

4L5O	328,636
DD0VE	5,984
IR0A (IS0JHQ/ OK8WW)	200,788
IB3M (OE6MBG)	167,400
E71A	159,960
UT5EL	108,532
SP7MC	77,100
EE7L (EA7HLU)	72,668
W3BGN	59,432
YO3VU	47,775

14 MHz

EC3CVD	426,320
PY2NY	417,312
YV4EK	395,793
UT3EV	313,920
CO8RH	187,785
IS0GRB	173,400
F4EIH	109,052
RZ3Z	96,348
M1G (G0UWS)	94,607
DL9ZP	86,128

28 MHz

PY2BN	163,592
LY5G	73,225
IZ4AIF	59,430
SY1AEA	51,216
YO8TK	46,350
JE3EDJ	39,846
G4CWH	38,448
SQ8MFB	31,902
IT9NAN	30,800
LU7VCH	26,096

28 MHz

VR2XAN	1,340,577
4L8A	1,188,876
CE3CT	1,063,622
VK4KW (VK4BAA)	974,424
VK4A (VK4NM)	856,284
UP0L (UN9LW	855,884
LU8EGG	836,094
AZ6H (LU3HIP)	809,973
9N7AA (S53R)	763,155
IR9W	760,456

1.8 MHz

LX1NO	73,512
OK4U (OK1TP)	26,345
EI5GUB	14,040
GW2X (GW0DCK)	11,856
DL6MHW	8,736
YT2ZZ	7,728
VE3HJ	4,840
SV2GJV	1,920
DK3AX	700
JH9URT	56

7 MHz

EA8DEG	176,443
E7AA (E70Y)	107,604
CO2JD	103,464
R3PLN	3,476
BU2GA	64,064
HA6VV	52,470
OZ4NA	22,464
IU5ICR	48,488
UV2IZ	41,334
SP4CUF	41,238

21 MHz

FY5FY	682,351
TA2IB	89,206
JR4DAH	70,959
IZ1ANK	42,824
JQ1NGT	35,412
CT4QB	31,280
7N4WPY	29,775
BH4TQX	23,119
JR2EKD	21,824
JR1NKN	21,344

21 MHz

HK1T	1,558,128
CQ3J (CT3MD)	1,342,350
PJ4DX	1,142,778
EF5U (EA5U @ EA5Y)	1,071,336
K2SSS	885,928
OG8M (OH8MCT)	836,136
UP2L	791,240
VK4XE	725,604
JJ0VNR	655,917
DM0Y (DL3BQA)	610,400

LOW POWER All Band

PZ5CO (RA3CO)	10,505,077
ZL7IO (ZL3IO)	4,542,444
WP3C	4,420,632
4Z4AK	3,672,027
N1UR	3,260,735
RM9I	2,696,828
LY4L	2,685,798
CR2B (EA1BP)	2,572,485
HA3NU	2,119,260
BD4VGZ	1,637,709

3.7 MHz

PA2TMS	115,920
F5BEG	35,035
LY7X (LY3DA)	33,099
SP6DZ	29,028
G4CDN	24,318
SP4AWE	23,684
SQ9MR	23,274
YO8VET	18,704
WZ6ZZ	120
HA6I (HG6IA)	13,338

14 MHz

S51Z	70,200
YU1NR	41,612
YO3JOS	21,084
SQ4CTM	18,117
HF5WIM	14,144
SP5ENG	9,240
YO4BEX	9,145
IZ5OVP	8,906
I3MTM	6,270
YB1DFE	4,182

14 MHz

OH8X (OH6UM)	1,001,765
DM0A (DK3DM)	949,611
YT7B	693,392
W7WA	638,172
OM5R (OM5WW)	519,827
EA8CYU	375,028
CE3QY	213,858
JA7FTR	209,884
YB1DX	203,116
ZL7/SP5EAQ (SP5EAQ)	174,624

28 MHz

KP2B (EB7DX)	817,215
KP4PR	686,610
VR2T (VR2ZQZ)	583,894
LT7F (LU6FOV)	476,036
N8II	341,384
S50A	390,616
CX2BAH	388,204
CU4AT	304,029
IT9XTP	291,312
CA3VAK	279,552

1.8 MHz

SN0R (SQ9IAU)	27,956
SQ9PPT	936
SP6LUV	3,384
LC9X (LA9XGA)	2,480
SP7SEW	1,431
DL8AAE	1,408
UT4WT	1,372
SP2BP	1,144
R3LCV	924
YO8RZJ	357

7 MHz

OK6OK	26,151
SN9Y	11,718
E74BMN	9,359
NP3F	8,600
SN9U (SP9NSA)	8,512
ON4ANE	6,345
R4ZZ	2,146
YB6IVW	1,325
JR1ABS	1,170
DU1JW	1,044

7 MHz

ED5R (EA5Z)	690,900
4L2M	542,931
HA4A (HA4FF)	129,789
TI2JS	83,912
WF2W	83,600
R4SA	51,456
VK3IO	31,545
TF2LL	30,084
I5NSR	28,215
LZ2AO	23,002

21 MHz

FK8GM	409,374
EF3W (EA3CX)	398,880
7S2A (SA2SAA)	255,136
PY2QT	185,148
JJ1RJR	167,508
7K4XNN	155,760
UN0LM	155,756
L71D (LU7DUE)	144,026
EA8TR	140,904
SP8IMG (SP8MG)	119,970

QRP All Band

K1ZM	1,186,338
LY9A	585,750
ES6RW	523,796
LZ5Y (LZ1YE)	498,440
YV6BXN	402,426
SO2U	287,455
JH1OGC	228,984
UN7EG	222,955
VA2IW	206,883
UT4UBZ	204,660

3.7 MHz

OL4W (OK1IF)	19,227
PA0AWH	4,092
JH1APZ	48
SQ3AH	26

1.8 MHz

HA1TI	4,500
LY4T	2,088
OZ6OM	621
UR5FEO	210

SINGLE OPERATOR ASSISTED HIGH POWER All Band

PT5J (PP5JR)	11,376,612
P40W (W2GD)	10,672,337
ED5D (UT5UDX)	10,147,655
NP4Z	10,074,948
ES7A (ES7GM)	8,248,434
S53MM	8,235,708
ED8M (EA8DIG)	8,076,606
IP3A (IK3QAR)	7,829,856
LY4A	7,651,956
IR1G (IZ1LBG)	7,390,090

3.7 MHz

HA1TJ	248,994
S56B	178,451
GW9J (GW0GEI)	143,100
9A8M (9A7DM)	137,256
MI5K (MI0SLE)	121,030
SN9B (SQ9OB)	98,112
YU1LD	90,968
W3NO	42,570
EA7JZR	38,880
DL3LAB	32,589

14 MHz

YU5M	362,043
HK3EA	351,709
OK1K (OK1XOE)	219,248
SP2RBA	134,196
SP6DVP	104,864
YT7E	90,334
E74TM	85,012
EA1DHB	82,836
IZ8EFD	78,430
SQ7OFL	70,600

28 MHz

HZ1LG	169,638
CO2QU	164,340
DH8BQA	143,748
UN4L	133,996
LY1FW	124,062
IZ2KPE	106,821
SP7M	69,795
LY2OU	65,230
UY5LW	50,700
SV1NK	50,414

28 MHz

CQ3W (DF7EE)	2,632,994
PV2G (PT2IC)	2,605,910
FY5KE (F4CWN)	2,570,700
LU8DPM (LU7DW)	1,945,612
V31XX (K4XS)	1,852,230
PY2EX	1,604,655
LP1H (LU5HM)	1,603,470
4X1MM	1,435,990
PY4JW	1,421,700
VR2XAN	1,340,577

1.8 MHz

S56X	52,824
SP5ELA	31,626
SP3GTS	30,912
HA8BE	28,670
UR7U (UT6UD)	25,594
RM4F	24,637
DF9LJ	19,215
DK3GG	1,518
MM0GOR	532
EA8TH	120

7 MHz

KP3H	251,637
HK1J	140,709
F1DHX	98,468
HA6NL	91,980
EE3O (EA3O)	81,320
SP3AYA	78,470
OA4DKN	64,862
HG6K (HA6AK)	63,630
OM6TX	42,398
SP7JS	41,735

21 MHz

HG1S (HA1DAE)	161,136
PA5DX	126,294
SP5PDA	50,508
HG3C (HA3HX)	38,313
EA5JDC	26,220
SP4NKJ	24,600
IZ2QKG	4,485
TA3E	4,212
GW5P (GW0EGH)	2,046
YF3AJJ	351

21 MHz

DF7A (DL2ARD)	1,437,260
S50K	1,431,864
VA2WA	1,284,860
UB7K	1,096,560
SN3A (SP3GEM)	1,049,631
LZ5K (LZ5QZ)	799,520
JJ0PKS (JH7PKU)	700,338
BD7MM (BA7JA)	677,850
OG6N (OH6NIO)	636,120
OK8NM (OM6NM)	613,744

LOW POWER All Band

PY7ZC	5,009,177
NN7CW	3,510,772
TM3Z (F4DSK)	3,297,294
9A6KX	2,389,327
UZ7M (UT9MZ)	2,344,680
UP7L (UN6LN)	2,151,617
OL9R (OK6RA)	1,863,372
SP7Y	1,726,018
EU2F	1,675,044
ZW2T (PY2RKG)	1,611,612

3.7 MHz

LA2AB (SP2ASJ)	67,486
OK2BFN	59,059
SP2N (SQ2HCW)	52,851
YT2SIN	47,502
OU8A (5P0O)	38,912
OM5KM	35,904
SQ8NGV	35,217
M1U (M0UTD)	22,168
DJ7GS	14,148
SP5IVC	12,532

14 MHz

K3TW	57,371
OE3MDB	5,952
IU5RFA	1,260
PA2REH	418

7 MHz

DL6JF	19,039
IO5K (IK5TBK)	17,374
OU2V (OZ1FJB)	5,002
JH3DMQ	1,386
YF7RDM	931
YC1REO	54
VE3LDE	32

14 MHz

HA8A (HA8DZ)	1,239,084
YT3X	1,215,044
F4DVX	1,120,140
S57DX	1,050,920
EF8K (EA8DET)	934,332
HG5E (HA1AH)	875,289
SV9FBG	773,325
SP4TKR	758,670
S51YI	745,448
F8DVD	675,924

28 MHz

PS0F (PY7RP)	830,264
PU5FJR	616,350
TI1K (TI5CDA)	608,966
PY2HT	537,030
PU1JSV	530,400
PU5BIA	520,149
PY2CX	495,535
HI3T	456,430
LY7Z	422,572
CO6HLP	400,095

1.8 MHz

LC1P (LA1DSA)	2,130
SN6S (SP6ZC)	240
4Z5PN	120
IZ5OQX	16

3.7 MHz

SQ9SX	960
VA3OGG	287

1.8 MHz

YO8WW	728

MULTI-OP SINGLE-TRANSMITTER HIGH POWER All Band

P33W	27,689,488
CR3DX	26,578,885
D4C	25,195,050
V47T	23,150,160
PJ4G	17,297,160
E7DX	16,725,462
IR4X	14,325,800
EW5A	13,524,564
KP4AA	13,368,443
9A7A	12,080,112

7 MHz

YT1A	617,661
G8X (G4FJK)	353,536
YT0W (YU1JW)	328,155
TI1T (TI2CC)	289,527
JH7MQD	242,991
N5RZ	161,840
9A3K	126,140
YT3K	101,926
PY5QW	98,777
S57O	96,720

21 MHz

IH9/OK1M	943,297
IK4LZH	676,939
TA3D	585,910
UC9A	465,280
KP4PUA	330,835
IT9STX	286,740
TA7AZC	277,306
CT7BJG	268,214
SP9XCN	254,606
N4IJ	194,740

QRP All Band

OM0RX	1,071,714
ES2MC	629,736
YB0SSF	360,609
YO8FC	288,252
SQ5CW	166,668
W3EK	129,903
IZ0FUW/5	127,926
PC2F	122,265
F4JJY	96,664
PE2K	88,935

LOW POWER All Band

ZF2B	8,899,003
VP5M	6,514,722
ZW5B	6,060,000
IB9T	5,202,527
IO3F	4,420,584
IR9K	4,152,023
ED7O	3,734,656
PS2F	3,072,000
LZ8E	2,903,417
E7CW	2,877,550

MULTI-OP TWO-TRANSMITTER All Band

PJ4K	37,319,130
ZF1A	24,243,880
CR6K	20,233,136
PX2A	15,714,192
W3LPL	15,007,328
TO5A	14,514,060
9A5Y	14,431,279
II2S	14,282,366
ED1R	14,080,080
VE3VN	11,818,408

LOW POWER

EA5JEG	722,528
VE3GJP	708,495
KY4KP	660,824
HZ1MW	576,422
IV3JAK	551,968
LZ8GT	534,520
VE3RGO	433,329
4X5IC	391,168
HI8AN	308,856
YE1BMZ	285,760

UNITED STATES SINGLE OPERATOR HIGH POWER All Band

N5DX	10,047,165
K1LZ	8,459,496
K4ZW	5,352,564
K5TR	5,069,331
W9RE	5,067,940
NR3X (N4YDU)	4,871,736
K4AB	4,810,131
K5GN	4,373,040
N2IC	4,020,450
ND7K (W4IX @N6WIN)	3,695,843

3.7 MHz

W3BGN	59,432
W1HI	25,854
W1FQ	14,274

MULTI-OP MULTI-TRANSMITTER All Band

CN3A	56,548,352
K3LR	24,913,098
PJ2T	24,409,175
V26B	22,934,340
9A1A	21,905,062
M6T	20,681,020
YT5A	19,592,916
LZ9W	19,527,782
DF0HQ	18,559,800
KC1XX	16,896,110

CLASSIC HIGH POWER

P49Y (AE6Y)	6,768,909
CT3KN	4,230,688
ED8W	3,433,368
4U1A (OE1ZZZ)	3,239,405
UW1M (UR5MW)	2,977,542
S50G (S56M)	2,823,546
YT3D	2,516,496
V3A (V31MA)	2,420,759
9A9R	2,249,382
CE8EIO	1,942,956

28 MHz

K1TO	658,980
K0EJ	668,913
KU2M	632,237
K1RM	433,222
K4JPD (N4OO)	576,190
N4OX	557,454
N1PGA	445,738
K9BGL	330,075
W4DD	322,185
W6AFA	263,204

LOW POWER All Band

N1UR	3,260,735
K1BX	1,554,960
K5WA	1,090,564
WW4XX (LZ4AX)	1,707,776
AC0W	846,930
K5FUV	821,784
N1NQD	815,721
K8ZM	756,700
KY4KP	660,824
NE8P	655,776

EXPLORER SINGLE-OP HIGH POWER All Band

S53K	476,984
DK5AV	413,051
SO5CAL	261,856
IZ8GCB	184,340
9A1DR	98,193
PY2YAS	12,341
VE3VC	1,665

LOW POWER

K1BX	1,554,960
9Z4A (N2TTA)	1,331,694
WW4XX (LZ4AX)	1,707,776
LZ6E	950,478
IK1JJM	716,398
NE8P	655,776
DP5P (DL1MHJ)	805,068
LZ5Y (LZ1YE)	498,440
HZ1DW	470,436
UA3BL	467,152

21 MHz

K2SSS	885,928
N7RQ	376,942
KE8FT	150,516
K0BBB	109,494
KC9OP	66,132
KC0V	64,448
N5KF	53,361
W9MS	7,632
N8AID	6,162
K3ISH	5,922

28 MHz

N8II	341,384
N1WRK	161,095
W2VRK	82,820
W9ILY	70,168
K5FK	69,894
WB0LQC	63,910
N9XX	52,124
KN4UQM	48,576
KW6AA	33,200
KA8JBK	31,990

EXPLORER MULTI-OP HIGH POWER All Band

PV2K	15,143,532
OT7T	10,290,000
EA4URE	6,534,340
EE7K	4,178,784
9H6A	3,653,678
PA6AA	2,184,600
YP1EX	2,025,784
9M8J	337,060
DX7EVM	237,930
YR0K	54,600

YOUTH HIGH POWER

SO9I (SQ9ORQ)	6,100,872
YT0C	5,217,096
ES5G (YL3JA)	4,810,428
DL3ON	4,631,728
DM7XX	2,610,848
DK6SP	2,430,361
TM5GGU (F4IEY @ F6KGL)	709,136
9A3BWP	366,444
VE3FCT	340,065
YU7RCI	327,887

14 MHz

W7WA	638,172
N7TU (K2SS)	68,770
NI0K	58,038
N1SIX	4,608
AD0TZ	1,881
N5KAE	1,029
K3TEF	480
KU4VY	200

21 MHz

WA7BNM	107,520
K9RO	91,868
KD2KW	76,812
W6DVS	61,824
N9HDE	14,553
W0JIM	11,985
W4ATC (KN8U)	3,200
K5LGX	888
K6JS/M	345
AE6YB	140

ROOKIE HIGH POWER

YT3EWW	1,513,515
W9DCT	770,469
OH8RX	622,336
BG2AUE	549,488
W3FR	498,128
K3AK	476,966
DM1KM	397,488
OT6P	383,995
N3BMX	349,934
N3AML	259,530

LOW POWER

BD4VGZ	1,637,709
HA1BB	635,687
SP3GTP	429,336
YO8OLY	382,136
TA7AZC	277,306
LY1LB	234,384
S56V (S52KJ)	212,352
OE5EBE	206,565
SV8SYK	197,080
DJ4MX	191,216

7 MHz

WF2W	83,600
NB2P	22,357
N3MWQ	21,390
K9CJ	20,661
AA0MQ	9,072
WD0BGZ	7,685
K6IRF	2,822

14 MHz

W7EDC	22,152
W3CF	15,400
K1SM	11,880
KC1RLS	9,222
N2OIG	5,624
W8GOC	5,043
N9CI	2,546
NG2S	2,262
W1DFW	1,708
AJ4FJ	1,311

7 MHz

K7BWC	1,860
KD9AC	448
N7GRC	49
K8TX	28
AI7CR	6
N0ZTO	6

14 MHz

KD8LVF	140

7 MHz

N5RZ	161,840
K7ZSD	96,657
WA3C	90,364
K5TA	44,460
W6KW	36,168
KG1E	34,111
W4TTY	11,952
K3LA	6,251

21 MHz

N4IJ	194,740
KR2H	76,744
WA8ZNC	30,514
W8KSC	27,860
W9EBK	16,226
NJ4Q	6,720
KD9QFU	84
W3RFX	24

14 MHz

K3TW	57,371

ROOKIE
HIGH POWER

W9DCT	770,469
W3FR	498,128
K3AK	476,966
N3BMX	349,934
N3AML	259,530
KC3RRF	151,296
KC3SVR	135,519
AJ6TL	104,920
KC4YAO	100,606
K9SJP	95,284

3.7 MHz

WZ6ZZ	120
KW4SW	11,033

SINGLE OPERATOR ASSISTED
HIGH POWER All Band

NU4E	6,151,488
K3WW	5,740,680
AA3B	5,517,564
N2SR	5,183,991
N3RS	4,869,792
K1KI (KM1P)	4,789,980
AB3CX	4,547,900
N2NT (KI7WX)	3,790,696
AA1ON	3,439,632
WY3A	3,291,316

3.7 MHz

W3NO	42,570
WA2BCK	26,000
K2RR	17,556
W1VT	7,788
K7STO	1,690

14 MHz

W5CSM	4,760
KA4J (W4YEM)	192
W7VC	48
N5DEA	4

MULTI-OP
SINGLE-TRANSMITTER
HIGH POWER All Band

N4RV	4,865,292
NJ4P	3,977,296
KQ3F	3,524,864
WW4LL	3,273,050
K1VR	2,956,905
K5KG	2,254,472
K2DM	1,855,530
NV9L	1,591,326
K9YY	1,590,784
K8AZ	1,426,248

1.8 MHz

N8MRE	8

28 MHz

KB3WD	917,280
KW7MM	709,484
AA9A	409,812
N1MM	366,132
N6SS	321,759
W2AW (N2GM)	292,789
K0AP	277,400
K3EW	270,654
K7WP	246,606
W3FOX	224,616

LOW POWER
All Band

NN7CW	3,510,772
WE9R	1,298,220
KW1X	905,280
KS1J	824,320
WB8TLI	744,104
KG9X	693,450
N7IR	665,945
AJ4HP	619,686
K0XF	613,050
KT3T	611,010

7 MHz

AA4NP	18,231

LOW POWER
All Band

NT0K	1,942,345
W3ZGD	1,526,280
W1FM	314,769
N0EO	290,339
KT0V	184,338
WA1F	101,010
N8YXR	100,010
KA8YNW	86,920
AD4XT	73,920
AE5MM	52,398

QRP
All Band

K1ZM	1,186,338
W6QU (W8QZA)	147,630
ND0C	97,614
KE0WPA	88,434
WW2G (WU2M)	31,476
NF2L	24,720
NA4CW	22,950
N3CI	21,565
NS6X	15,345
WX2P	13,932

21 MHz

KM5VI	515,160
N1LN	379,350
KY7M (@ NA7TB)	346,408
NC1CC	304,018
W7ZR	124,751
N0RN	91,392
K8FF	82,719
N0AV	81,070
N0OK	76,104
K6IJ	73,360

QRP
All Band

W3EK	129,903
NO5V	28,875

MULTI-OP
TWO-TRANSMITTER All Band

W3LPL	15,007,328
K1RX	10,016,937
N2AA	8,421,120
K2AX	7,575,603
K9CT	6,483,279
W4NF	5,545,264
KA1ZD	4,983,280
N7DX	4,244,328
AA4VT	4,194,963
WG3J	1,530,800

28 MHz

W7USA	22,692
KR8T	13,100
K9JK	11,128
N6AN	11,001
N6HI	2,052

14 MHz

W1RCR	472,328
WA4JUK	116,886
NA2U	77,364
K7MS	74,760
KK7PW	72,912
WS4AM	6,192
W6OUL	24

28 MHz

N5JR	188,935
N3UA	182,850
W9XT	155,477
W6ZL	85,358
AC5O	78,921
W1ZZ	75,924
WA5WFE	54,586
KG1V	42,500
N9VPV	39,072
N3ZV	33,726

28 MHz

KO1H	16,472
WO7T	15,906

MULTI-OP
MULTI-TRANSMITTER All Band

K3LR	24,913,098
KC1XX	16,896,110
WX3B	11,525,760
K1TTT	9,622,636
K9RS	7,519,424
W3PP	7,166,784
K3EST	5,645,088
W2A	5,623,740
K1KP	2,710,920
NE3F	2,600,400

LOW POWER

KY4KP 660,824
KF0HCN 255,678
K1MWH 251,720
KZ4MKJ 217,740
KF0IDT 206,205
N8ACP 152,234
W3POT 126,720
KR3L 121,625
KD2YNP 95,029
WA4ARB 94,977

EUROPE SINGLE OPERATOR HIGH POWER All Band

IR2Q (IK2PFL) 7,743,001
9A1P (9A1UN) 7,613,112
OM0R (OM3GI) 7,442,520
OM2VL 6,962,058
EA2W 6,784,425
IY3A (IZ3EYZ) 6,054,725
UW5Y (US2YW) 5,911,182
IR2M (IK4VET) 5,562,655
ES5G (YL3JA) 4,810,428
DD2D (DL7FER) 4,588,450

3.7 MHz

DD0VE 5,984
IR0A (IS0JHQ/ OK8WW) 200,788
IB3M (OE6MBG) 167,400
E71A 159,960
UT5EL 108,532
SP7MC 77,100
EE7L (EA7HLU) 72,668
YO3VU 47,775
M0OIA 12,773
S55G 24,240

14 MHz

EC3CVD 426,320
UT3EV 313,920
IS0GRB 173,400
F4EIH 109,052
RZ3Z 96,348
M1G (G0UWS) 94,607
DL9ZP 86,128
YO5GDX 85,230
GW5L (GW4ZAR) 72,709
OH5TS 61,838

CLASSIC HIGH POWER

WC6H (NU6S) 1,691,872
AD5XD 971,889
N5AW 922,354
W1WEF 908,013
W1JQ 893,620
N2MF 815,859
K0EJ 668,913
AE1P 640,080
NG1M 634,779
K1RM 433,222

28 MHz

IR9W 760,456
YL2SM 737,184
GM5X (GM4YXI) 726,485
YT8WW 639,212
EA2DMH 311,423
RT5T 293,090
ED5I (EA5IWZ) 265,049
CU2AF 264,682
CT1EAT 222,642
9A7JCY 191,646

1.8 MHz

LX1NO 73,512
OK4U (OK1TP) 26,345
EI5GUB 14,040
GW2X (GW0DCK) 11,856
DL6MHW 8,736
YT2ZZ 7,728
SV2GJV 1,920
DK3AX 700
DL7LX 6

7 MHz

E7AA (E70Y) 107,604
R3PLN 3,476
HA6VV 52,470
OZ4NA 22,464
IU5ICR 48,488
UV2IZ 41,334
SP4CUF 41,238
SQ8MZW 34,748
OS8L (ON8LX) 18,644
IN3AHO 17,395

LOW POWER

K1BX 1,554,960
WW4XX (LZ4AX) 1,707,776
NE8P 655,776
WA3LXD 463,420
WA5JMZ 443,112
N8II 341,384
K4SXT 377,243
N1ALO 351,648
N1DC 346,620
AI6O 316,757

21 MHz

EF5U (EA5U @EA5Y) 1,071,336
OG8M (OH8MCT) 836,136
DM0Y (DL3BQA) 610,400
OK5D (OK1DTP) 608,796
LZ6V 444,276
MW8R (GW4SHF) 369,840
IQ8BB (IK8DUI) 276,250
YO3RU 184,093
II4A (IK4ADE) 176,580
OZ7X 156,600

LOW POWER All Band

LY4L 2,685,798
CR2B (EA1BP) 2,572,485
HA3NU 2,119,260
DM5EE 1,573,000
DC4A (DL4NAC) 1,539,880
ED3Z (EA3DZ) 1,492,078
S57K 1,403,000
OL5Y 1,147,155
YO4RDW 1,124,991
LZ6E 950,478

3.7 MHz

PA2TMS 115,920
F5BEG 35,035
LY7X (LY3DA) 33,099
SP6DZ 29,028
G4CDN 24,318
SP4AWE 23,684
SQ9MR 23,274
YO8VET 18,704
HA6I (HG6IA) 13,338
IV3EAD 13,281

YOUTH HIGH POWER

KJ7KOJ 50,384
W1KBN (KF0INO) 38,016
KK7EXT 8,742

14 MHz

OH8X (OH6UM) 1,001,765
DM0A (DK3DM) 949,611
YT7B 693,392
OM5R (OM5WW) 519,827
IZ8GUQ 145,580
YT2ISM 63,080
IZ4ORF 60,858
IT9CAR 58,725
IX1FIT 55,212
MW0KMS 45,552

28 MHz

S50A 390,616
CU4AT 304,029
IT9XTP 291,312
M5W 211,354
E75M 158,646
IU0DUM 142,397
UF5A 141,484
SQ6H (SQ6PLH) 140,844
DO2HQS 135,542
IQ4JO 122,223

1.8 MHz

SN0R (SQ9IAU) 27,956
SQ9PPT 936
SP6LUV 3,384
LC9X (LA9XGA) 2,480
SP7SEW 1,431
DL8AAE 1,408
UT4WT 1,372
SP2BP 1,144
R3LCV 924
YO8RZJ 357

LOW POWER

NC8R 153,792
KE0WPA 88,434
W0AAE 72,627
N8AJM 58,660
W5YD (WT5A) 34,902
KO4TNK 34,194
W4BB 28,072
N4NMM 27,810
KE2BVI 17,385
KD8YVJ 11,544

7 MHz

ED5R (EA5Z) 690,900
HA4A (HA4FF) 129,789
R4SA 51,456
TF2LL 30,084
I5NSR 28,215
LZ2AO 23,002
OK4X 20,514
YO6FNA 11,859
DK9NCX 11,016
ON6IO 6,649

21 MHz

EF3W (EA3CX) 398,880
7S2A (SA2SAA) 255,136
SP8IMG (SP8MG) 119,970
DO1OTW 103,700
EA5EOR 92,842
YL2PJ 76,436
EA5BCQ 71,940
DL3AG 66,250
E74S 53,084
EE1B (EA1Y) 49,680

QRP All Band

LY9A 585,750
ES6RW 523,796
LZ5Y (LZ1YE) 498,440
SO2U 287,455
UT4UBZ 204,660
PA3EOU 200,880
MI5JYK 172,886
SP9TKW 168,575
HA5BA 146,250
OK6K (OK5IM) 141,960

28 MHz

LY5G	73,225
IZ4AIF	59,430
SY1AEA	51,216
YO8TK	46,350
G4CWH	38,448
SQ8MFB	31,902
IT9NAN	30,800
DO1FDK	20,650
EC4AA	21,184
LA7WRA	16,592

1.8 MHz

HA1TI	4,500
LY4T	2,088
OZ6OM	621
UR5FEO	210

7 MHz

YT1A	617,661
G8X (G4FJK)	353,536
YT0W (YU1JW)	328,155
9A3K	126,140
YT3K	101,926
S57O	96,720
SX5P (SV5FRD)	60,528
OG5O (OG55W)	47,008
OK1DUG	41,650
SP3KEY (SP1SR)	34,262

21 MHz

IK4LZH	676,939
IT9STX	286,740
CT7BJG	268,214
SP9XCN	254,606
SP7C	119,190
EA4UV	116,128
OM0A (OM0AAO)	112,896
HB9CIC	94,905
HF7A	94,582
EA7K	93,456

21 MHz

IZ1ANK	42,824
CT4QB	31,280
GW4W (GW4EVX)	20,349
IV3LNQ	19,312
UT7AA	8,357
I4PZP	14,668
MW8T (MM0CWJ)	9,630
EA7JTP	8,932
SP5SZE	4,340
IW2ODC	2,975

SINGLE OPERATOR ASSISTED HIGH POWER All Band

ED5D (UT5UDX)	10,147,655
ES7A (ES7GM)	8,248,434
S53MM	8,235,708
IP3A (IK3QAR)	7,829,856
LY4A	7,651,956
IR1G (IZ1LBG)	7,390,090
HG8R (HA8JV)	7,368,331
RK4FD	6,990,984
S57AL	6,836,094
SO9I (SQ9ORQ)	6,100,872

3.7 MHz

HA1TJ	248,994
S56B	178,451
GW9J (GW0GEI)	143,100
9A8M (9A7DM)	137,256
MI5K (MI0SLE)	121,030
SN9B (SQ9OB)	98,112
YU1LD	90,968
EA7JZR	38,880
DL3LAB	32,589
HG8YKO	30,160

14 MHz

YU5M	362,043
OK1K (OK1XOE)	219,248
SP2RBA	134,196
SP6DVP	104,864
YT7E	90,334
E74TM	85,012
EA1DHB	82,836
IZ8EFD	78,430
SQ7OFL	70,600
MI0I	66,576

14 MHz

S51Z	70,200
YU1NR	41,612
YO3JOS	21,084
SQ4CTM	18,117
HF5WIM	14,144
SP5ENG	9,240
YO4BEX	9,145
IZ5OVP	8,906
I3MTM	6,270
IS0AGY	3,552

28 MHz

ED7W (EB7A)	1,293,327
TM0T (F4HQZ)	1,069,704
SN2M (SP2XF)	1,036,070
EE7P (EA7ATX)	1,011,402
OL9Z (OK2PVF)	851,368
ED2X (EA2LMI)	844,352
DL5L (DG0OKW)	813,075
YT1X	789,964
HA5JI	778,471
DR1D (DL8UD)	735,080

1.8 MHz

S56X	52,824
SP5ELA	31,626
SP3GTS	30,912
HA8BE	28,670
UR7U (UT6UD)	25,594
RM4F	24,637
DF9LJ	19,215
DK3GG	1,518
MM0GOR	532

7 MHz

F1DHX	98,468
HA6NL	91,980
EE3O (EA3O)	81,320
SP3AYA	78,470
HG6K (HA6AK)	63,630
OM6TX	42,398
SP7JS	41,735
E71AGA	39,100
EW4GL	19,789
SP9BJV	17,728

7 MHz

OK6OK	26,151
SN9Y	11,718
E74BMN	9,359
SN9U (SP9NSA)	8,512
ON4ANE	6,345
R4ZZ	2,146
UT5UUV	255
DL8SYL	54
DN1LX	15

21 MHz

DF7A (DL2ARD)	1,437,260
S50K	1,431,864
UB7K	1,096,560
SN3A (SP3GEM)	1,049,631
LZ5K (LZ5QZ)	799,520
OG6N (OH6NIO)	636,120
OK8NM (OM6NM)	613,744
PA3EWP	538,876
IR3Z (IN3XUG)	515,450
EW4M	471,750

LOW POWER All Band

TM3Z (F4DSK)	3,297,294
9A6KX	2,389,327
UZ7M (UT9MZ)	2,344,680
OL9R (OK6RA)	1,863,372
SP7Y	1,726,018
EU2F	1,675,044
OE2S (OE2VEL)	1,584,968
SN7O (SP7IVO)	1,349,640
OK6Y (OK2PTZ)	1,124,040
DL1GME	1,075,647

3.7 MHz

LA2AB (SP2ASJ)	67,486
OK2BFN	59,059
SP2N (SQ2HCW)	52,851
YT2SIN	47,502
OU8A (5P0O)	38,912
OM5KM	35,904
SQ8NGV	35,217
M1U (M0UTD)	22,168
DJ7GS	14,148
SP5IVC	12,532

3.7 MHz

OL4W (OK1IF)	19,227
PA0AWH	4,092
SQ3AH	26

14 MHz

HA8A (HA8DZ)	1,239,084
YT3X	1,215,044
F4DVX	1,120,140
S57DX	1,050,920
HG5E (HA1AH)	875,289
SV9FBG	773,325
SP4TKR	758,670
S51YI	745,448
F8DVD	675,924
YL7X (YL2LY)	543,186

28 MHz

LY7Z	422,572
ED7B (EA7ZC)	385,586
IB4X (IZ4ORO)	379,668
S53O	344,144
EA7Z	274,784
HA5PP	246,150
LY2TS	228,137
IU4ICT	219,626
EA3XR	212,205
SQ6ILJ	166,424

1.8 MHz

LC1P (LA1DSA)	2,130
SN6S (SP6ZC)	240
IZ5OQX	16

QRP All Band

OM0RX	1,071,714
ES2MC	629,736
YO8FC	288,252
SQ5CW	166,668
IZ0FUW/5	127,926
PC2F	122,265
F4JJY	96,664
PE2K	88,935
SP9RQH	75,756
IK1BPL	70,452

28 MHz

DH8BQA	143,748
LY1FW	124,062
IZ2KPE	106,821
SP7M	69,795
LY2OU	65,230
UY5LW	50,700
SV1NK	50,414
9A4W	36,480
MI1M (MI0LLG)	30,765
GM4M (GM4UBJ)	24,150

1.8 MHz

YO8WW	728

ROOKIE
HIGH POWER

YT3EWW	1,513,515
OH8RX	622,336
DM1KM	397,488
OT6P	383,995
DD5VL	215,738
SA6OHM	131,124
EA3IND	129,208
R2REI	96,278
EA4HLP	92,752
F4IYU	87,984

LOW POWER

HA1BB	635,687
SP3GTP	429,336
YO8OLY	382,136
LY1LB	234,384
S56V (S52KJ)	212,352
OE5EBE	206,565
SV8SYK	197,080
DJ4MX	191,216
SP3LM	164,436
DM5TM	162,400

21 MHz

HG1S (HA1DAE)	161,136
PA5DX	126,294
SP5PDA	50,508
HG3C (HA3HX)	38,313
EA5JDC	26,220
SP4NKJ	24,600
IZ2QKG	4,485
GW5P (GW0EGH)	2,046

MULTI-OP
SINGLE-TRANSMITTER
HIGH POWER All Band

E7DX	16,725,462
IR4X	14,325,800
EW5A	13,524,564
9A7A	12,080,112
IR6T	12,031,110
TM6M	11,790,818
SP8R	11,786,316
RU1A	11,119,275
EI7M	10,871,110
RL3A	10,777,304

LOW POWER

EA5JEG	722,528
IV3JAK	551,968
LZ8GT	534,520
OT1X (ON4DXL)	284,091
EA2EWL	277,992
IN3JHZ	222,637
OM1BCO	210,559
9A5AFF	190,483
EA2EYF	189,280
F4IVC	188,728

14 MHz

OE3MDB	5,952
IU5RFA	1,260
PA2REH	418

LOW POWER
All Band

IB9T	5,202,527
IO3F	4,420,584
IR9K	4,152,023
ED7O	3,734,656
LZ8E	2,903,417
E7CW	2,877,550
LX8M	2,768,858
LZ8A	2,411,136
UZ2M	2,359,353
E7GZ	1,779,528

CLASSIC
HIGH POWER

4U1A (OE1ZZZ)	3,239,405
UW1M (UR5MW)	2,977,542
S50G (S56M)	5,800,025
YT3D	2,516,496
9A9R	2,249,382
EA5GS	1,767,227
ED3C (EA3IBV)	1,740,292
EA3CI	1,661,968
PA4VHF	1,551,840
F5LIW	1,611,460

7 MHz

DL6JF	19,039
IO5K (IK5TBK)	17,374
OU2V (OZ1FJB)	5,002

MULTI-OP
TWO-TRANSMITTER
All Band

CR6K	20,233,136
9A5Y	14,431,279
II2S	14,282,366
ED1R	14,080,080
DP7D	10,132,710
S53M	9,259,232
HG7T	9,003,836
II9P	8,836,800
CR6P	7,606,575
DR4A	7,444,500

LOW POWER

LZ6E	950,478
IK1JJM	716,398
DP5P (DL1MHJ)	805,068
LZ5Y (LZ1YE)	498,440
UA3BL	467,152
R3DCY	446,472
ED4J (EA4HKF)	562,790
LA5LJA	442,225
S57NAW	839,454
F4WDL	517,040

3.7 MHz

SQ9SX	960

MULTI-OP
MULTI-TRANSMITTER
All Band

9A1A	21,905,062
M6T	20,681,020
YT5A	19,592,916
LZ9W	19,527,782
DF0HQ	18,559,800
OT5A	10,370,900
LN8W	9,445,167
TM1A	5,578,078
M6C	4,324,936
PI4CC	2,902,844

YOUTH
HIGH POWER

SO9I (SQ9ORQ)	6,100,872
YT0C	5,217,096
ES5G (YL3JA)	4,810,428
DL3ON	4,631,728
DM7XX	2,610,848
DK6SP	2,430,361
TM5GGU (F4IEY @ F6KGL)	709,136
9A3BWP	366,444
YU7RCI	327,887
DL0MT	322,920

SINGLE-OPERATOR TOP SCORES IN MOST ACTIVE ZONES

Zone 3

ND7K (W4IX @ N6WIN)	3,695,843
K6XX	2,307,770
WC6H (NU6S)	1,691,872
K6NA	1,275,335
N6AA	800,712
W7WA	638,172
W7YAQ	502,712
K6NR	394,167
*K6GHA	389,480
N7RQ	376,942

Zone 4

XL3A (VE3AT)	8,629,768
K5TR	5,069,331
W9RE	5,067,940
K4AB	4,810,131
K5GN	4,373,040
N2IC	4,020,450
VE5MX	3,652,110
NA8V	2,828,804
VC3X (VE7VR)	2,201,256
K8GL	1,285,144

Zone 5

N5DX	10,047,165
K1LZ	8,459,496
VY2TT (K6LA)	5,796,648
K4ZW	5,352,564
NR3X (N4YDU)	4,871,736
KQ2M	3,398,374
*N1UR	3,260,735
VE9AA	2,895,640
4U1UN (KO8SCA)	2,062,137
K3UL	1,787,731

Zone 14

EA2W	6,784,425
DD2D (DL7FER)	4,588,450
*CR2B (EA1BP)	2,572,485
M5DX (G4FAL)	1,792,798
EA5GS	1,767,227
ED3C (EA3IBV)	1,740,292
EA3CI	1,661,968
F5LIW	1,611,460
*DM5EE	1,573,000
PA4VHF	1,551,840

Zone 15

IR2Q (IK2PFL)	7,743,001
9A1P (9A1UN)	7,613,112
OM0R (OM3GI)	7,442,520
OM2VL	6,962,058
IY3A (IZ3EYZ)	6,054,725
S50G (S56M)	5,800,025
IR2M (IK4VET)	5,562,655
ES5G (YL3JA)	4,810,428
IB9A (IT9RBW)	4,310,371
IO8V (IK0ETA)	3,633,993

Zone 16

UW5Y (US2YW)	5,911,182
UW1M (UR5MW)	2,977,542
UI5R	1,643,372
EW2A	1,484,070
EW1I	1,084,512
R4GM	958,070
*ER3CT	528,520
*UA3BL	467,152
RD1AH	454,656
UT6EE	450,072

Zone 20

*4Z4AK	3,672,027
YP0C (YO3CZW)	3,088,776
TA3DE	2,875,840
*YO4RDW	1,124,991
*LZ6E	950,478
*SV2HJQ	620,160
C4W (5B4WN)	536,922
LZ6V	444,276
*LZ1DM	406,468
TA1CQ	390,894

Zone 25

JH4UYB	3,931,160
JE6RPM (JH5GHM)	3,800,612
JF2QNM	2,297,952
JK1YMM (JA8RWU)	1,935,226
HL2WA	1,243,840
JH7QXJ	1,238,511
JI2KXK	1,056,363
JG7AMD	1,024,632
JR1IJV	892,160
JH1HIC	744,900