

Results of the 2023 CQ WW DX SSB Contest



My first CQ WW. It was an amazing experience! – 2E0SVB



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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.



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.

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!

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



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

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!

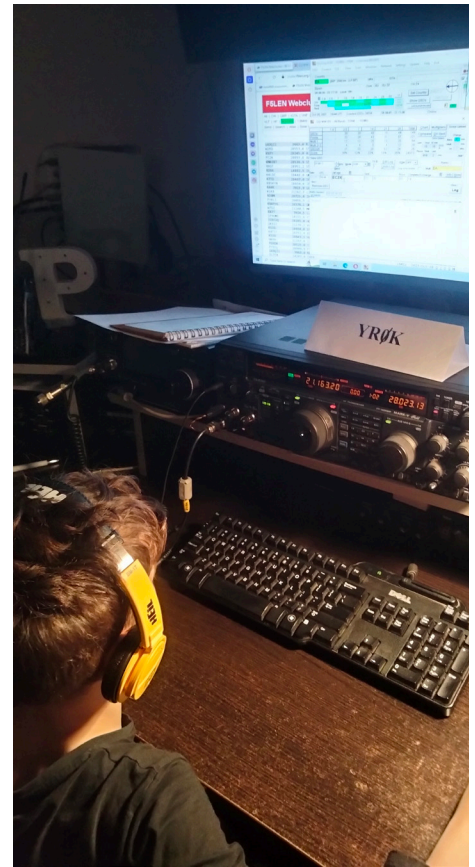
A quick peek at the multi-op scores may give you pause and consider the possibility of typographic errors. The scores are incredible. I'm not sure which one is more impressive as I report a winning Multi-Single Score of 27.7 million from P33W. Then there was the amazing results from V47T, where 12,000 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 unwieldy 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	Entrant	Power	Raw QSOs	Final QSOs after checking
DH1UK	HIGH	1142	1131	N5DX	HIGH	5541	5490
DM5EE	LOW	1642	1634	OL5Y	LOW	1487	1474
DP5P (DL1MHJ)*	LOW	1182	1175	PA4VHF	HIGH	1724	1716
EA3CI	HIGH	2435	2417	PC2T	HIGH	1071	1062
EW1I	HIGH	1008	999	RM9I	LOW	2392	2369
JH7QXJ	HIGH	1530	1516	SM5X (SM5GMZ)	HIGH	1136	1125
K1BX*	LOW	1319	1310	VE5MX	HIGH	3671	3642
K3TC	HIGH	1024	1014	VE6BBP	HIGH	1160	1150
K6NA*	HIGH	1202	1196	WP3C*	LOW	5154	5124
K6XX*	HIGH	1936	1918	WW4XX (LZ4AX)*	LOW	1405	1394
LY9A	QRP	1297	1287	YO4RDW	LOW	1976	1957
M5DX (G4FAL)	HIGH	2083	2065	YPOC	HIGH	4487	4444
MM1E (MM0GOR)	HIGH	1730	1720	YO3CZW)			
N2IC	HIGH	2876	2849	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		SOAB Low Power		SOAB QRP		Multi-Single (High Power)	
CALL	Rate*	CALL	Rate*	CALL	Rate*	CALL	Rate*
6Y1V	438	PZ5CO	342	ES2MC	118	CR3DX	394
NP2X	395	3V8SS	260	LZ5Y	102	P33W	391
8P5A	379	WP3C	258	ZY6G	78	E7DX	384
KP2M	368	EY7BJ	247	PC2F	76	V47T	367
TI7W	339	ZL7IO	240	ES6RW	76	D4C	345
Multi-Single (Low Power)		Multi-2		Multi-Multi			
CALL	Rate*	CALL	Rate*	CALL	Rate*		
VP5M	272	ZF1A	684	CN3A	751		
ZW5B	270	PJ4K	576	PJ2T	718		
ZF2B	265	CR6K	455	M6T	641		
EX9A	227	PX2A	432	KC1XX	599		
UZ2M	205	W3LPL	420	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 testers 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, Katsuhiko (Don) Kondou; K1DG, Doug Grant; K1EA, Ken Wolff; K3LR, Tim Duffy; K3WW, Charles Fulp; K5ZD, Randy Thompson; KR2Q, Doug Zwiebel; LA6VQ, Frode Iglund; 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
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 SINGLE-TRANSMITTER

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 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
S50G	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

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

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

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

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
ISNSR	28,215
LZ2AO	23,002

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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
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**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
YBOSSF	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

7 MHz	3.7 MHz	1.8 MHz	QRP All Band	28 MHz
K7BWC1,860	WZ6ZZ 120	N8MRE 8	K1ZM1,186,338	W7USA22,692
KD9AC448	KW4SW 11,033		W6QU (W8QZA)147,630	KR8T 13,100
N7GRC49		28 MHz	ND0C97,614	K9JK11,128
K8TX28	SINGLE OPERATOR ASSISTED HIGH POWER All Band	KB3WD917,280	KE0WPA88,434	N6AN11,001
AI7CR6	NU4E6,151,488	KW7MM709,484	WW2G (WU2M)31,476	N6HI2,052
N0ZTO6	K3WW5,740,680	AA9A409,812	NF2L24,720	
	AA3B5,517,564	N1MM366,132	NA4CW22,950	14 MHz
14 MHz	N2SR5,183,991	N6SS321,759	N3CI21,565	W1RCR472,328
KD8LVF140	N3RS4,869,792	W2AW (N2GM)292,789	NS6X15,345	WA4JUK116,886
	K1KI (KM1P)4,789,980	K0AP277,400	WX2P13,932	NA2U77,364
7 MHz	AB3CX4,547,900	K3EW270,654		K7MS74,760
N5RZ161,840	N2NT (KI7WX)3,790,696	K7WP246,606	21 MHz	KK7PW72,912
K7ZSD96,657	AA1ON3,439,632	W3FOX224,616	KM5VI515,160	WS4AM6,192
WA3C90,364	WY3A3,291,316		N1LN379,350	W6OUL24
K5TA44,460		LOW POWER All Band	KY7M (@ NA7TB)346,408	28 MHz
W6KW36,168	3.7 MHz	NN7CW3,510,772	NC1CC304,018	N5JR188,935
KG1E34,111	W3NO42,570	WE9R1,298,220	W7ZR124,751	N3UA182,850
W4TTY11,952	WA2BCK26,000	KW1X905,280	N0RN91,392	W9XT155,477
K3LA6,251	K2RR17,556	KS1J824,320	K8FF82,719	W6ZL85,358
	W1VT7,788	WB8TLI744,104	N0AV81,070	AC5O78,921
21 MHz	K7STO1,690	KG9X693,450	N0OK76,104	W1ZZ75,924
N4IJ194,740		N7IR665,945	K6JJ73,360	WA5WFE54,586
KR2H76,744	14 MHz	AJ4HP619,686		KG1V42,500
WA8ZNC30,514	W5CSM4,760	K0XF613,050	QRP All Band	N9VPV39,072
W8KSC27,860	KA4J (W4YEM)192	KT3T611,010	W3EK129,903	N3ZV33,726
W9EBK16,226	W7VC48		N0SV28,875	
NJ4Q6,720	N5DEA4	7 MHz		28 MHz
KD9QFU84		AA4NP18,231		KO1H16,472
W3RFX24				WO7T15,906
	MULTI-OP SINGLE-TRANSMITTER HIGH POWER All Band	LOW POWER All Band	MULTI-OP TWO-TRANSMITTER All Band	MULTI-OP MULTI-TRANSMITTER All Band
14 MHz	N4RV4,865,292	NT0K1,942,345	W3LPL15,007,328	K3LR24,913,098
K3TW57,371	NJ4P3,977,296	W3ZGD1,526,280	K1RX10,016,937	KC1XX16,896,110
	KQ3F3,524,864	W1FM314,769	N2AA8,421,120	WX3B11,525,760
ROOKIE HIGH POWER	WW4LL3,273,050	N0EO290,339	K2AX7,575,603	K1TTT9,622,636
W9DCT770,469	K1VR2,956,905	KT0V184,338	K9CT6,483,279	K9RS7,519,424
W3FR498,128	K5KG2,254,472	WA1F101,010	W4NF5,545,264	W3PP7,166,784
K3AK476,966	K2DM1,855,530	N8YXR100,010	KA1ZD4,983,280	K3EST5,645,088
N3BMX349,934	NV9L1,591,326	KA8YNW86,920	N7DX4,244,328	W2A5,623,740
N3AML259,530	K9YY1,590,784	AD4XT73,920	AA4VT4,194,963	K1KP2,710,920
KC3RRF151,296	K8AZ1,426,248	AE5MM52,398	WG3J1,530,800	NE3F2,600,400
KC3SVR135,519				
AJ6TL104,920				
KC4YAO100,606				
K9SJP95,284				

LOW POWER	CLASSIC	LOW POWER	YOUTH	LOW POWER
KY4KP 660,824	HIGH POWER	K1BX 1,554,960	HIGH POWER	NC8R 153,792
KF0HCN 255,678	WC6H (NU6S) 1,691,872	WW4XX (LZ4AX) 1,707,776	KJ7KOJ 50,384	KE0WPA 88,434
K1MWH 251,720	AD5XD 971,889	NE8P 655,776	W1KBN (KF0INO) 38,016	W0AAE 72,627
KZ4MKJ 217,740	N5AW 922,354	WA3LXD 463,420	KK7EXT 8,742	N8AJM 58,660
KF0IDT 206,205	W1WEF 908,013	WA5JMZ 443,112		W5YD (WT5A) 34,902
N8ACP 152,234	W1JQ 893,620	N8II 341,384	14 MHz	KO4TNK 34,194
W3POT 126,720	N2MF 815,859	K4SXT 377,243	OH8X (OH6UM) 1,001,765	W4BB 28,072
KR3L 121,625	K0EJ 668,913	N1ALO 351,648	DM0A (DK3DM) 949,611	N4NMM 27,810
KD2YNP 95,029	AE1P 640,080	N1DC 346,620	YT7B 693,392	KE2BVI 17,385
WA4ARB 94,977	NG1M 634,779	AI6O 316,757	OM5R (OM5WW) 519,827	KD8YVJ 11,544
	K1RM 433,222		IZ8GUQ 145,580	
EUROPE			YT2ISM 63,080	7 MHz
SINGLE OPERATOR HIGH	28 MHz	21 MHz	IZ4ORF 60,858	ED5R (EA5Z) 690,900
POWER All Band	IR9W 760,456	EF5U (EA5U @EA5Y) 1,071,336	IT9CAR 58,725	HA4A (HA4FF) 129,789
IR2Q (IK2PFL) 7,743,001	YL2SM 737,184	OG8M (OH8MCT) 836,136	IX1FIT 55,212	R4SA 51,456
9A1P (9A1UN) 7,613,112	GM5X (GM4YXI) 726,485	DM0Y (DL3BQA) 610,400	MW0KMS 45,552	TF2LL 30,084
OM0R (OM3GI) 7,442,520	YT8WW 639,212	OK5D (OK1DTP) 608,796		I5NSR 28,215
OM2VL 6,962,058	EA2DMH 311,423	LZ6V 444,276	28 MHz	LZ2AO 23,002
EA2W 6,784,425	RT5T 293,090	MW8R (GW4SHF) 369,840	S50A 390,616	OK4X 20,514
IY3A (IZ3EYZ) 6,054,725	ED5I (EA5IWZ) 265,049	IQ8BB (IK8DUJ) 276,250	CU4AT 304,029	YO6FNA 11,859
UW5Y (US2YW) 5,911,182	CU2AF 264,682	YO3RU 184,093	IT9XTP 291,312	DK9NCX 11,016
IR2M (IK4VET) 5,562,655	CT1EAT 222,642	II4A (IK4ADE) 176,580	M5W 211,354	ON6IO 6,649
ES5G (YL3JA) 4,810,428	9A7JCY 191,646	OZ7X 156,600	E75M 158,646	
DD2D (DL7FER) 4,588,450			IU0DUM 142,397	21 MHz
	1.8 MHz	LOW POWER	UF5A 141,484	EF3W (EA3CX) 398,880
	LX1NO 73,512	All Band	SQ6H (SQ6PLH) 140,844	7S2A (SA2SAA) 255,136
	OK4U (OK1TP) 26,345	LY4L 2,685,798	DO2HQS 135,542	SP8IMG (SP8MG) 119,970
	EI5GUB 14,040	CR2B (EA1BP) 2,572,485	IQ4JO 122,223	DO1OTW 103,700
3.7 MHz	GW2X (GW0DCK) 11,856	HA3NU 2,119,260		EA5EOR 92,842
DD0VE 5,984	DL6MHW 8,736	DM5EE 1,573,000	1.8 MHz	YL2PJ 76,436
IR0A (IS0JHQ/ OK8WW) 200,788	YT2ZZ 7,728	DC4A (DL4NAC) 1,539,880	SN0R (SQ9IAU) 27,956	EA5BCQ 71,940
IB3M (OE6MBG) 167,400	SV2GJV 1,920	ED3Z (EA3DZ) 1,492,078	SQ9PPT 936	DL3AG 66,250
E71A 159,960	DK3AX 700	S57K 1,403,000	SP6LUV 3,384	E74S 53,084
UT5EL 108,532	DL7LX 6	OL5Y 1,147,155	LC9X (LA9XGA) 2,480	EE1B (EA1Y) 49,680
SP7MC 77,100		YO4RDW 1,124,991	SP7SEW 1,431	
EE7L (EA7HLU) 72,668	7 MHz	LZ6E 950,478	DL8AAE 1,408	QRP
YO3VU 47,775	E7AA (E70Y) 107,604		UT4WT 1,372	All Band
M00IA 12,773	R3PLN 3,476		SP2BP 1,144	LY9A 585,750
S55G 24,240	HA6V 52,470		R3LCV 924	ES6RW 523,796
	OZ4NA 22,464		YO8RZJ 357	LZ5Y (LZ1YE) 498,440
14 MHz	IU5ICR 48,488	3.7 MHz		SO2U 287,455
EC3CVD 426,320	UV2IZ 41,334	PA2TMS 115,920		UT4UBZ 204,660
UT3EV 313,920	SP4CUF 41,238	F5BEG 35,035		PA3EOU 200,880
IS0GRB 173,400	SQ8MZW 34,748	LY7X (LY3DA) 33,099		MJ5YK 172,886
F4EIH 109,052	OS8L (ON8LX) 18,644	SP6DZ 29,028		SP9TKW 168,575
RZ3Z 96,348	IN3AHO 17,395	G4CDN 24,318		HA5BA 146,250
M1G (G0UWS) 94,607		SP4AWE 23,684		OK6K (OK5IM) 141,960
DL9ZP 86,128		SQ9MR 23,274		
YO5GDX 85,230		YO8VET 18,704		
GW5L (GW4ZAR) 72,709		HA6I (HG6IA) 13,338		
OH5TS 61,838		IV3EAD 13,281		

28 MHz	21 MHz	14 MHz	7 MHz	3.7 MHz
DH8BQA143,748	HG1S (HA1DAE)161,136	OE3MDB5,952	DL6JF19,039	SQ9SX960
LY1FW124,062	PA5DX126,294	IU5RFA1,260	IO5K (IK5TBK)17,374	
IZ2KPE106,821	SP5PDA50,508	PA2REH418	OU2V (OZ1FJB)5,002	
SP7M69,795	HG3C (HA3HX)38,313			MULTI-OP MULTI-TRANSMITTER All Band
LY2OU65,230	EA5JDC26,220	LOW POWER All Band	MULTI-OP TWO-TRANSMITTER All Band	9A1A21,905,062
UY5LW50,700	SP4NKJ24,600	IB9T5,202,527	CR6K20,233,136	M6T20,681,020
SV1NK50,414	IZ2QKG4,485	IO3F4,420,584	9A5Y14,431,279	YT5A19,592,916
9A4W36,480	GW5P (GW0EGH)2,046	IR9K4,152,023	II2S14,282,366	LZ9W19,527,782
MI1M (MI0LLG)30,765		ED7O3,734,656	ED1R14,080,080	DF0HQ18,559,800
GM4M (GM4UBJ)24,150	MULTI-OP SINGLE-TRANSMITTER HIGH POWER All Band	LZ8E2,903,417	DP7D10,132,710	OT5A10,370,900
1.8 MHz	E7DX16,725,462	E7CW2,877,550	S53M9,259,232	LN8W9,445,167
YO8WW728	IR4X14,325,800	LX8M2,768,858	HG7T9,003,836	TM1A5,578,078
ROOKIE HIGH POWER	EW5A13,524,564	LZ8A2,411,136	II9P8,836,800	M6C4,324,936
YT3EWW1,513,515	9A7A12,080,112	UZ2M2,359,353	CR6P7,606,575	PI4CC2,902,844
OH8RX622,336	IR6T12,031,110	E7GZ1,779,528	DR4A7,444,500	YOUTH HIGH POWER
DM1KM397,488	TM6M11,790,818	CLASSIC HIGH POWER	LOW POWER	SO9I (SQ9ORQ)6,100,872
OT6P383,995	SP8R11,786,316	4U1A (OE1ZZZ)3,239,405	LZ6E950,478	YT0C5,217,096
DD5VL215,738	RU1A11,119,275	UW1M (UR5MW)2,977,542	IK1JJM716,398	ES5G (YL3JA)4,810,428
SA6OHM131,124	EI7M10,871,110	S50G (S56M)5,800,025	DP5P (DL1MHJ)805,068	DL3ON4,631,728
EA3IND129,208	RL3A10,777,304	YT3D2,516,496	LZ5Y (LZ1YE)498,440	DM7XX2,610,848
R2REI96,278	LOW POWER	9A9R2,249,382	UA3BL467,152	DK6SP2,430,361
EA4HLP92,752	EA5JEG722,528	EA5GS1,767,227	R3DCY446,472	TM5GGU (F4IEY @ F6KGL)709,136
F4IYU87,984	IV3JAK551,968	ED3C (EA3IBV)1,740,292	ED4J (EA4HKF)562,790	9A3BWP366,444
LOW POWER	LZ8GT534,520	EA3CI1,661,968	LA5LJA442,225	YU7RCI327,887
HA1BB635,687	OT1X (ON4DXL)284,091	PA4VHF1,551,840	S57NAW839,454	DL0MT322,920
SP3GTP429,336	EA2EWL277,992	F5LIW1,611,460	F4WDL517,040	
YO8OLY382,136	IN3JHZ222,637			
LY1LB234,384	OM1BCO210,559			
S56V (S52KJ)212,352	9A5AFF190,483			
OE5EBE206,565	EA2EYF189,280			
SV8SYK197,080	F4IVC188,728			
DJ4MX191,216				
SP3LM164,436				
DM5TM162,400				

SINGLE-OPERATOR TOP SCORES IN MOST ACTIVE ZONES

Zone 3

ND7K (W4IX @ N6WIN)3,695,843
 K6XX2,307,770
 WC6H (NU6S)1,691,872
 K6NA1,275,335
 N6AA800,712
 W7WA638,172
 W7YAQ502,712
 K6NR394,167
 *K6GHA389,480
 N7RQ376,942

Zone 16

UW5Y (US2YW)5,911,182
 UW1M (UR5MW)2,977,542
 UI5R1,643,372
 EW2A1,484,070
 EW1I1,084,512
 R4GM958,070
 *ER3CT528,520
 *UA3BL467,152
 RD1AH454,656
 UT6EE450,072

Zone 4

XL3A (VE3AT)8,629,768
 K5TR5,069,331
 W9RE5,067,940
 K4AB4,810,131
 K5GN4,373,040
 N2IC4,020,450
 VE5MX3,652,110
 NA8V2,828,804
 VC3X (VE7VR)2,201,256
 K8GL1,285,144

Zone 20

*4Z4AK3,672,027
 YP0C (YO3CZW)3,088,776
 TA3DE2,875,840
 *YO4RDW1,124,991
 *LZ6E950,478
 *SV2HJQ620,160
 C4W (5B4WN)536,922
 LZ6V444,276
 *LZ1DM406,468
 TA1CQ390,894

Zone 5

N5DX10,047,165
 K1LZ8,459,496
 VY2TT (K6LA)5,796,648
 K4ZW5,352,564
 NR3X (N4YDU)4,871,736
 KQ2M3,398,374
 *N1UR3,260,735
 VE9AA2,895,640
 4U1UN (K08SCA)2,062,137
 K3UL1,787,731

Zone 25

JH4UYB3,931,160
 JE6RPM (JH5GHM)3,800,612
 JF2QNM2,297,952
 JK1YMM (JA8RWU)1,935,226
 HL2WA1,243,840
 JH7QXJ1,238,511
 JI2KXK1,056,363
 JG7AMD1,024,632
 JR1IJV892,160
 JH1HIC744,900

Zone 14

EA2W6,784,425
 DD2D (DL7FER)4,588,450
 *CR2B (EA1BP)2,572,485
 M5DX (G4FAL)1,792,798
 EA5GS1,767,227
 ED3C (EA3IBV)1,740,292
 EA3CI1,661,968
 F5LIW1,611,460
 *DM5EE1,573,000
 PA4VHF1,551,840

Zone 15

IR2Q (IK2PFL)7,743,001
 9A1P (9A1UN)7,613,112
 OM0R (OM3GI)7,442,520
 OM2VL6,962,058
 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