

# ARRL International DX Contest CW

## 2024 Full Results

By Mark Beckwith, N5OT (n5ot@arrl.net)



Take one of the premiere operating events of the year, add some cooperation from Solar Cycle 25 and stir in year 2 of allowing self-spotting and get set for some interesting results.

The big news for the 2024 ARRL International DX Contest CW were the amazing ionospheric conditions, which it seems helped drive this contest to record heights, with 5,552 entries representing a five per cent increase from 2023.

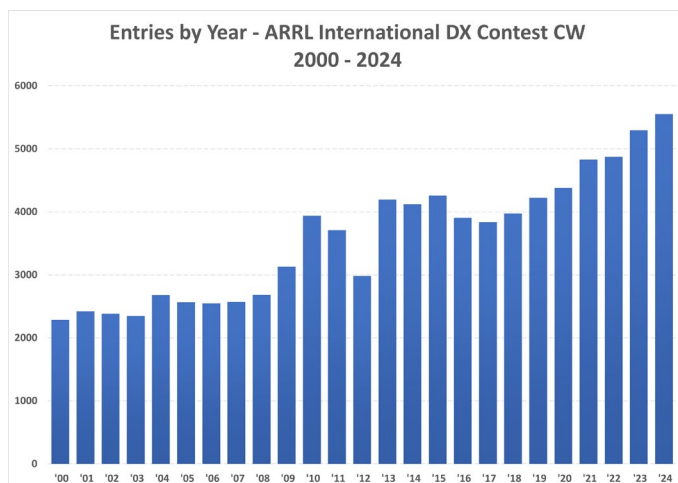
“All the bands were great from top to bottom,” wrote Randy, K5ZD.

Dave, K5GN, had a similar reaction. “Gobsmacked to work so many mults on 10 and 160 in the same weekend,” he wrote.

It was almost as if nobody knew which band to start with at the beginning of the contest because so many were open at the same time.

“This was one for the record books,” wrote Dave, K1ZZ.

“Bands were quiet, signals were loud, and the calls just kept coming,” wrote Mark, K1RX.



Graph courtesy of Bob Wilson, N6TV

### 2024 Was a Year for New Records

#### Domestic Records

Seven out of 10 overall All-Band categories saw new records:

- Single Operator High Power – N5DX
- Single Operator Unlimited High Power – AA3B
- Single Operator Unlimited Low Power – KI1G
- Multi-Single High Power – W2FU
- Multi-Single Low Power – W9SN
- Multi-Two – W3LPL
- Multi-Multi – K3LR

On the USA/Canada side, 17 out of 72 Single-Band category records, 164 new Division category records, 133 new Call Area category records, and 336 new Section category records were all set in February.

#### DX Records

Outside the USA and Canada, there were no new overall all-band category records. Ten out of 72 new World single-band records were set. By continent, there were 57 new category records. By country, there were 423 new category records.

If you add it up, that is 1,147 new records set in the ARRL International DX CW contest in 2024.

#### Food for Thought

As the inevitable migration of radiosport to some kind of “version 2.0”, contesting continues to meander down a path void of vetted goals or other well-defined expectations. Grumbling mounts among engaged competitors regarding basic ideas that have been adopted in many other sports.

#### Online Scoreboard

Some competitors like to know how other competitors are doing. “For me, it’s a good motivator,” Dave, K1ZZ, penned in his post-contest notes to the 3830scores.com website, which is not affiliated with the sponsor of the event. He’s talking about the independently operated real-time scoreboards [contestonlinescore.com](https://contestonlinescore.com) and [contest.run/](https://contest.run/).

Others observe that an online scoreboard is of limited value unless everyone is using it.

## Post-Contest Score Reporting

Bruce Horn, WA7BNM, built and has been hosting and operating [3830scores.com](https://www.3830scores.com) for over 20 years. It is not affiliated with the sponsors of the events it reports. Although it is not required to do this, operators go there to report their score after the event and see how everyone else did. But many don't, rendering its value limited. As a case in point, of the 5,552 entries this year, only 1,664 of them posted to 3830scores.

## Real-Time Log Checking

If you mention this, many people just get up and leave the room. Let's pretend we didn't mention it. Real-time log checking remains little more than a sparkle in some peoples' eyes, while in informal focus groups we have learned it is the single biggest reason young operators don't play. They don't want to wait to find out who won or how they did.

## Self-Spotting

In a move that resembles the fabled, "Ready, Aim, Fire" this is the second year the rules were allowed broadcasting your CQ frequency across the world wide web as much as you want. This isn't something most major HF contests permit.

Tim, N3QE, analyzed data to learn how this new development has gone over with the operators. He found fewer than three per cent of the entrants adopted the new practice.

Yuri, VE3DZ, who won World Single Operator Unlimited High Power this year (as TO4A from FM5BH) admits, "I must confess, self-spotting helps."

One operator's reaction was not positive, however.

"I did a fair amount of self-spotting because it is now allowed in the rules," wrote Tom, W2SC, the World Single Operator High Power winner at 8P5A. "It does not seem like an appropriate action for a single op unassisted. I really wish it would go away."

You can find N3QE's full report on his website [radiosport.world](https://radiosport.world).

## Lockout Latency – That Annoying Silence

CQers are getting surly when they answer a loud caller, then nothing happens. That's the heartbreak of Lockout Latency, where operators can't respond immediately

because they are transmitting on another band. If you listen to the truly great operators and stations, then you know interleaving your stations should be almost seamless. Still, there are some operators for whom the process isn't as smooth. Remote operating has been a great thing in some ways, but this is not one of them. As when SO2R became popular, this may take some patience as less-skilled operators get up to speed.

## Overall Results in the USA and Canada

We are trying something new – replacing the top ten boxes with graphs that deliver the same information only a little more visually. Looking at them, you can easily spot the close races as well as runaways who just hammered the competition. Let us know what you think.

## W/VE High Power

- This weekend will be remembered as "the good old days." I am grateful I didn't miss it." – Dave, K5GN
- "My goal was to come somewhat close to N9RV." – Dan, N6MJ
- "N6MJ's QSO total from Arizona is outstanding!" – Kevin, N5DX

It says a lot about Kevin, N5DX, who won the domestic Single Combat Warrior title this year, Single Operator High Power, that the photo he sent is the one we used for the banner of this write-up. Definitely a boy and his radio. "I'm thankful to have been able to get on and enjoy the radio," he said in all modesty. "Please give a big nod to the station owner Tariq, N2QV, and station engineer Scott, WU2X. Those guys do all the work and make it possible for me to have complete focus on operating. That record breaking score wouldn't have happened without all their support and work."

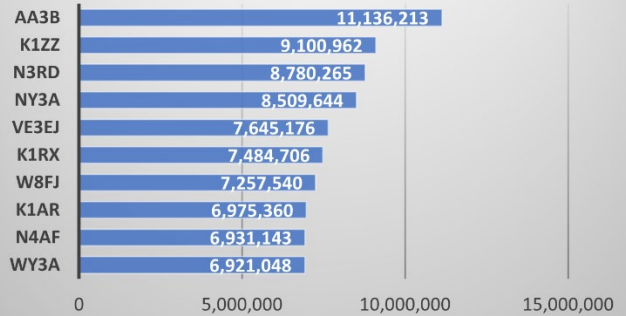
## Single Operator High Power Unassisted Top Ten USA/Canada



Worthy of mention is how stations in Texas (K5GN) and Arizona (ND7K) earned spots in the top four.

on 160 and 80. 160 on the second night produced a steady stream of European callers, including many 100W stations.”

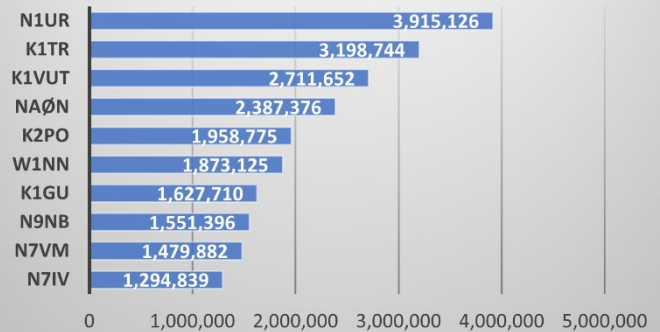
## Single Operator High Power Unlimited Top Ten USA/Canada



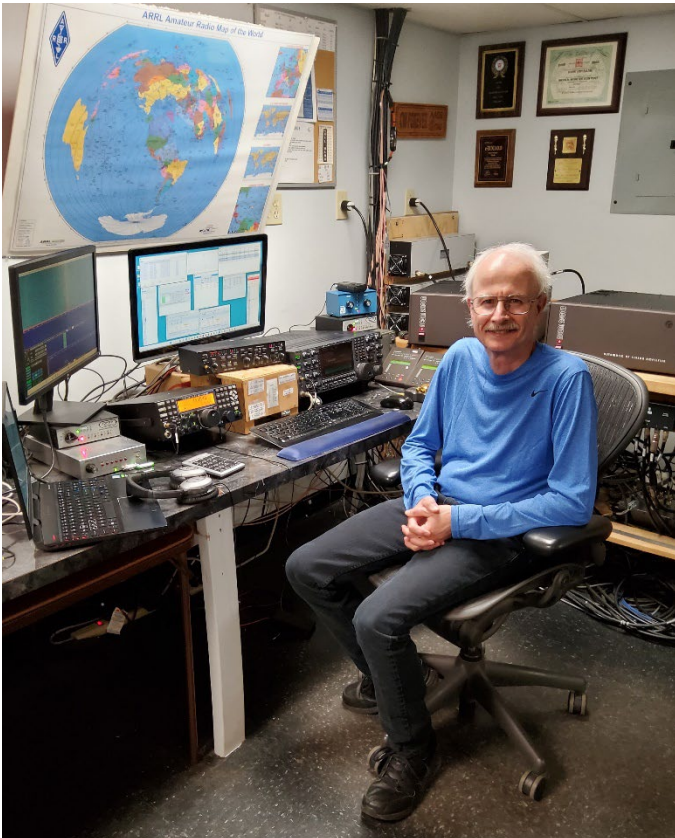
It was a tight race for the number two spot, as two Daves sparred. On 3830scores.com Dave, N3RD, had the bigger score by a hair. When the dust settled, Dave, K1ZZ, edged out another Dave, N3RD. K1ZZ felt predictions of exceptional conditions brought out the amazing turnout.

## W/VE Low Power

## Single Operator Low Power Unassisted Top Ten USA/Canada



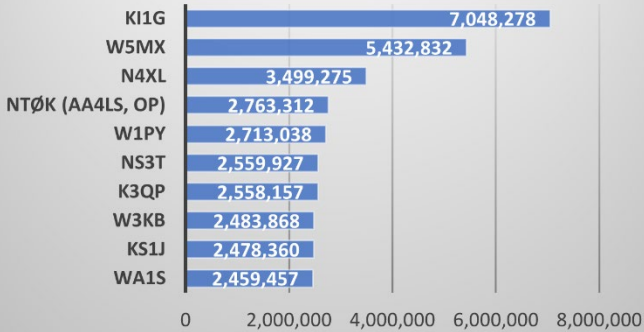
In a repeat performance of last year’s victory, Ed, N1UR, did it again this year, again by a convincing margin, but this year he had to cut his on-air time short. “I started coming down with something Thursday and by Friday afternoon a full-on flu was taking over.” He only managed 32 hours in the chair. It’s safe to say the record was in reach, but Ed’s flu had other ideas.



Bud, AA3B, sets a new record in Single Operator Unlimited High Power– photo courtesy of AA3B

Breaking his own record for Single Operator Unlimited High Power is the ever-present Bud, AA3B, who has dominated this category for some time. Bud told us conditions were incredible. “I thought I set my goals too high, but then I surpassed my target score around 14Z on Sunday.” Bud says he enjoyed his best 60-minute rate from home, ever. “The openings to Japan were the best I can recall. I was especially surprised by the productivity

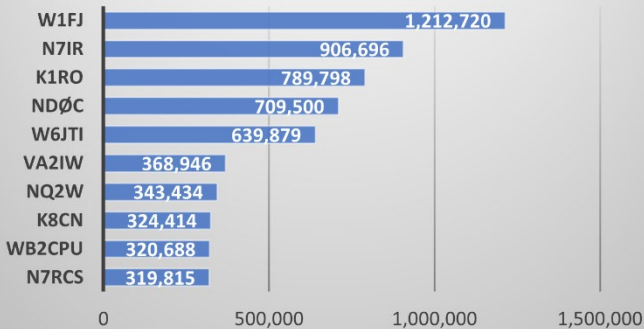
### Single Operator Low Power Unlimited Top Ten USA/Canada



For the Gold in Single Operator Unlimited Low Power, Rick, KI1G, leveraged his Rhode Island QTH for a record-setting runaway from Bryan, W5MX, in Kentucky. Bryan recalls, “All I can say is wow, conditions really could not have been better!” He had to go dark in deference to a thunderstorm on the first night. “Outside of that, it was a fabulous weekend.” Rick and Bryan both blasted through K4XS’ record for Single Operator Unlimited Low Power which had held off all challengers since 2013.

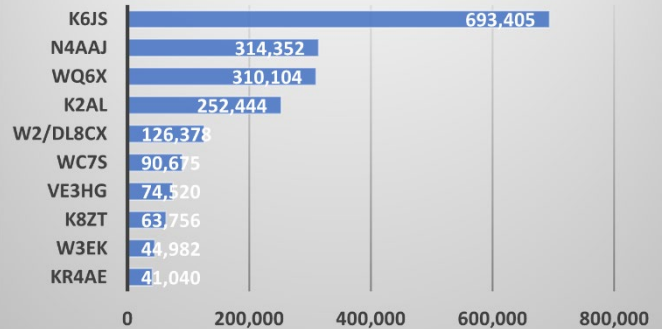
### W/VE QRP

#### Single Operator QRP Unassisted Top Ten USA/Canada



In the small-but-mighty signal arena, Al, W1FJ cleaned up the Unassisted side of Single Op QRP, even enjoying a 129 hour thanks to the great conditions. “This QRP thing has given me a new lease on my contesting life,” Al said afterwards. Notably arriving in second place was Gary, N7IR, all the way out west in Arizona.

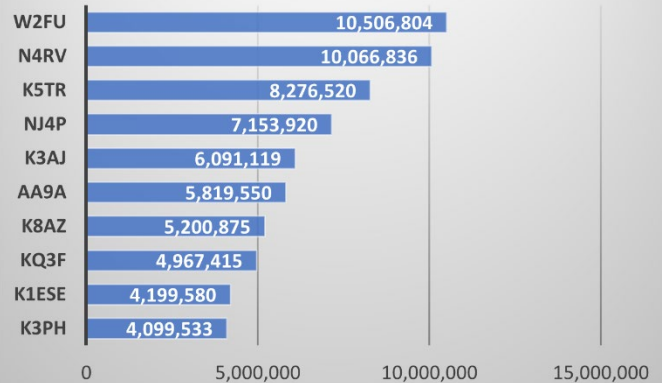
### Single Operator QRP Unlimited Top Ten USA/Canada



On the Unlimited side, Jim, K6JS, managed the win from Northern California missing the record by about 1/3 of one percent, while at the same time turning in a score more than double that of his nearest competitor Scott, N4AAJ. Scott was dovetailing his transmissions all weekend with Bryan, W5MX, who entered the Low Power category from the same station. All things considered they did a great job of staying out of each others’ way!

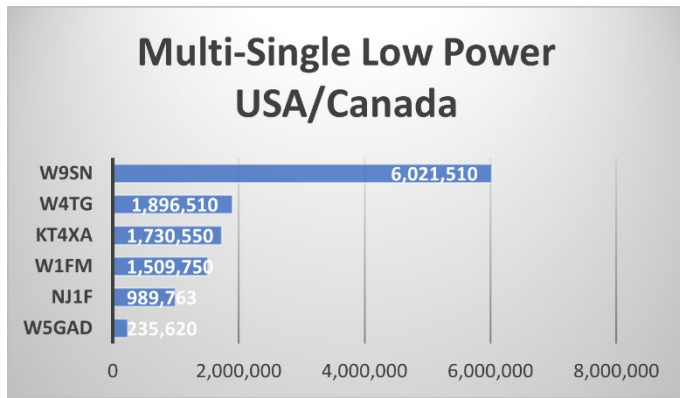
### W/VE Multi-Operator

#### Multi-Single High Power Top Ten USA/Canada

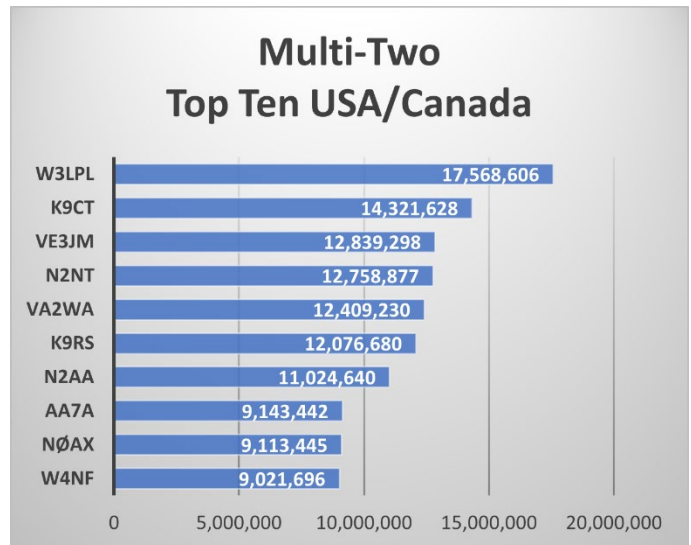


W2FU is one of those multi-op crews with proper respect for interleaving seamlessly. Jeff and his four-op crew pounded out another new record, beating their own Multi-Single High Power record from 2015. Jack, N4RV, and his three-op team, plagued by thunderstorms in Virginia, could not catch the New York bunch. Geo, K5TR, and his three-op team made an impressive

showing from much further west in Texas, to capture third place.



Multi-Single Low Power was completely creamed by Steve, W9SN, and his crew, racking up a score more than three times that of the next entrant, W4TG. At his station in Tennessee, Steve was joined by long-time regular Mike, W9RNY, operating remote from Indiana. The big surprise was Steve’s grandson, 13-year-old Jake, KA4JAM, joining remotely from North Carolina. “It was Jake’s first major contest, and he not only participated, he did a lot of running!” reports Jake’s proud grandfather.



Craig, K9CT, should be proud of what he manages to accomplish from is Illinois station, deep in the heart of the Black Hole - photo courtesy of K9CT

In a spirited contest in the coveted Multi-Operator Two Transmitter category, Craig, K9CT, and his crew made a valiant effort to dethrone reigning champ Frank, W3LPL. The big station in Maryland held off the challenge from the big station in Illinois to retain the crown, and in so doing smashed their old record by over 20 per cent!



Holding court on a CQ run frequency is a time-honored rite of passage. Jake, KA4JAM, learned the ropes this year at his grandfather’s station – photo courtesy of W9SN



At W3LPL, The Old Man himself shows how to interleave seamlessly. During the final minutes of the contest, Frank, W3LPL, works another new one – photo courtesy of N3QE

**Full results articles, line scores, and certificates for all ARRL contests are available at [contests.arrl.org](http://contests.arrl.org)**

## Re-Match of the Titans

In a re-match of last year's upset, this year the K3LR Multi-Multi station in Western Pennsylvania prevailed over the K1LZ station in Maine.

"The contestmen here at K3LR really pushed hard and made the most of the radio conditions, which were fantastic!" exclaims exuberant station owner and chief engineer Tim, K3LR. He and his crew of 11 other top operators skillfully piloted the station into the number one spot for the USA/Canada Multi-Multi Category.

Krassy, K1LZ, and his team of 16 fought hard right down to the wire, but when the smoke cleared, K3LR led the race with a new Multi-Multi record, and a score over 20 million points in this category for the first time in history.

K3LR's station is modest compared to K1LZ, with a lot less space, fewer towers, and fewer antennas. Tim's choice to insist the operators are together, side-by-side in person, may well have been the secret sauce. You can't do that elbow thing (or W3LPL's hand thing, see above) when the operators are not sitting next to each other.



Phil, K3UA, and Brad, WF7T, hold down the fort on 80 meters at K3LR - photo courtesy of KL9A

## USA/Canada Single Bands

Seventeen of the 72 Overall Single-Band Category records for the USA and Canada were broken this year, leaving newer, higher records in their places. That is a lot of data for Single-Band specialists. See the New Overall Records list later in this article and the ARRL Contest Portal at [contests.arrl.org](https://contests.arrl.org) for more records data.

## Overall Results Outside the US and Canada

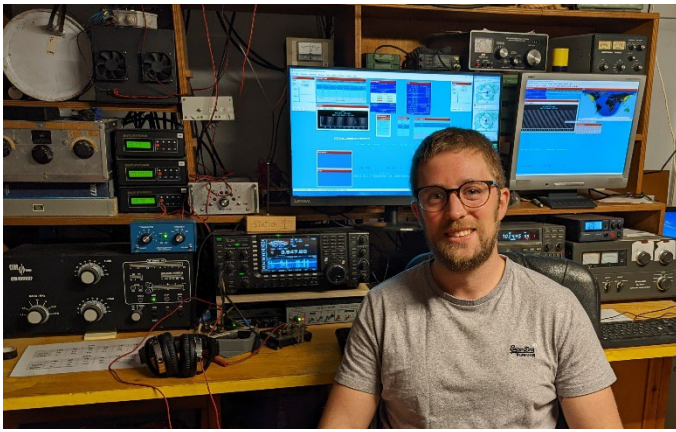
Operators who get on from places outside the United States and Canada are what make this event work. No discussion of the outcome of our event would be complete without heartfelt, enthusiastic appreciation on behalf of all the stations in the United States and Canada for all those operators in other places. Thank You!

## DX High Power

8P5A, who came in second last year, wonders out loud, "It is possible that the adjustments to my 2BSIQ training and approach made a difference." That is, 2BSIQ is interleaving CQs on two bands at the same time. It is a necessary skill to play this game for all the marbles. Tom, W2SC, successfully piloted his new station in Barbados to the top World Single Operator High Power spot by a convincing margin.



Finishing second is a young op, Roger, EA3M, who crossed the water to Ibiza Island to put EF6T on the air. "Many thanks to Vicente (EA6FO), to Julio (EA3AIR) and to his wife Patro for their hospitality and their help before, during, and after the contest." In 2009 Roger was selected for the Young Ham Contest Program created by Dave, KY1V, and Krassy, K1LZ. He says he'll "always be grateful to David and Krassy for the Young Ham Contest Program." It looks like those seeds fell on fertile ground! Congratulations, Roger.

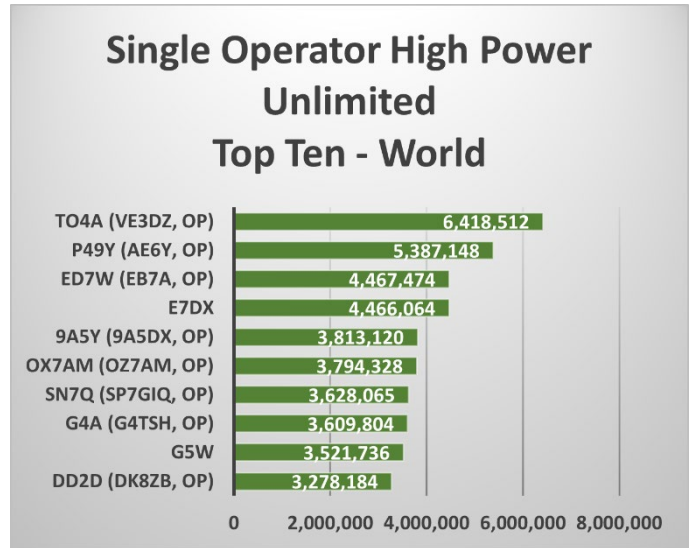


Roger, EA3M landed EF6T in second place for World Single Operator High Power – photo courtesy of EA3M

The ever-present and perennial one-radio operator, John, W2GD, almost made a case for age trumping youth and good looks, running his station P44W to third place on the heels of EF6T.

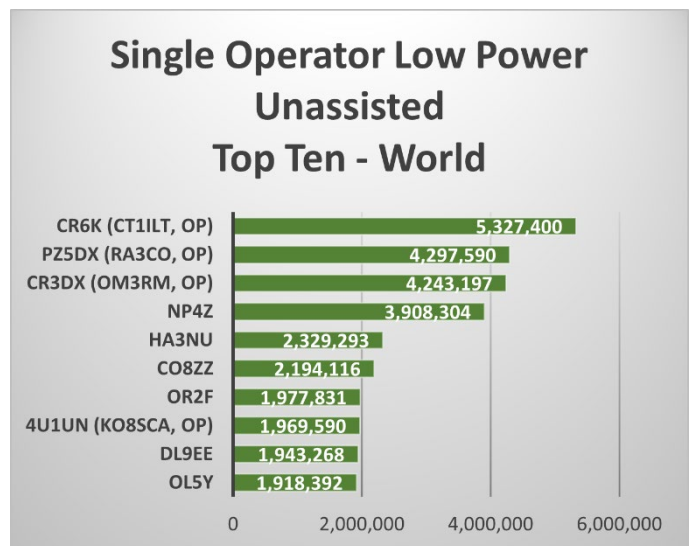


Salt water never stops. Parting ways after 35 years, W2GD discovered a coax switch at P44W that is beyond repair – photo courtesy of W2GD



Veteran Single Operator High Power competitor Yuri, VE3DZ, once again went to FM5BH, this year using the call TO4A. Due to the difficulty of implementing self-spotting capability, he opted to enter in the Unlimited category rather than risk violating the rules by accident. “I must confess, self-spotting helps. Each time I spotted myself, I had at least one or two callers right away.” Always a force to be reckoned with, Yuri gives credit where it is due. “I’d like to thank Laurent FM5BH and his XYL Micheline for their great hospitality.” Yuri has been to FM5BH four times for the ARRL contest, and he stressed how much he has enjoyed each and every visit. He managed a convincing victory over Andy, AE6Y, at P49Y, and Manuel, EB7A operating ED7W.

### DX Low Power



Filipe, CT1ILT, who is accustomed to the winners’ podium, eclipsed his 20-year-old record for Europe Single Operator Low Power. “This was a 100 per cent

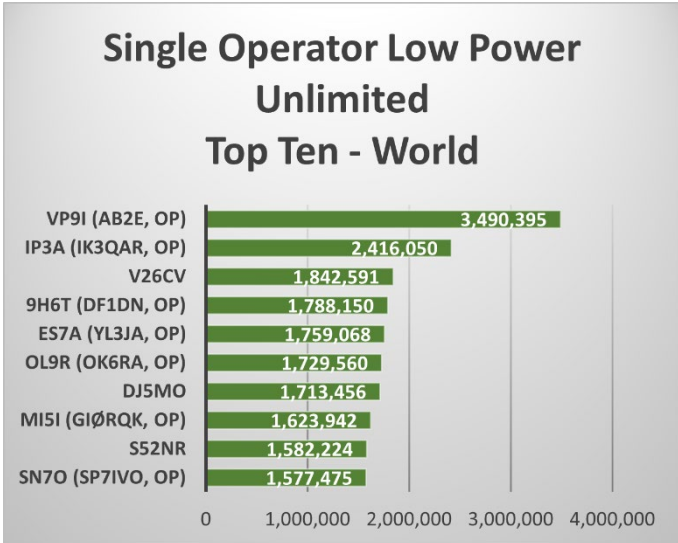
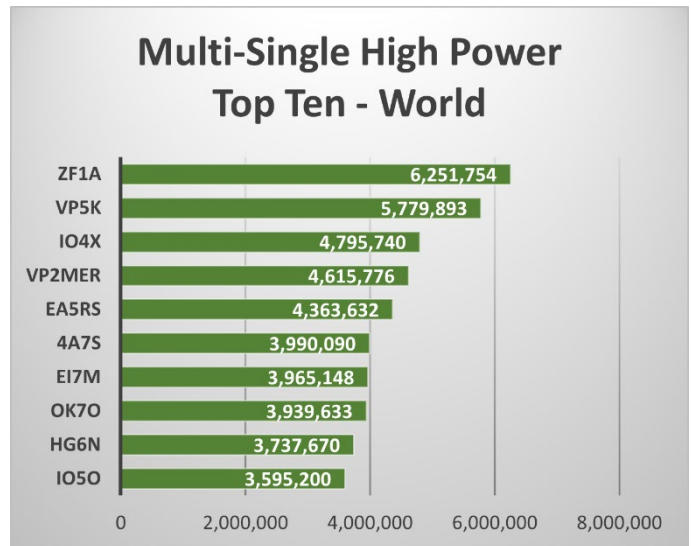
2BSIQ operation,” he writes. His 5.3M score more than doubled his old Europe record of 2.3M, and he won the category for the world in the process. Congratulations, Filipe! That is a feat!

A closer race developed between two different continents for the #2 spot with Dimitri, RA3CO, in South America as Dimitry, PZ5DX edging out Tibi, OM3RM, running the Slovak Contest Group station, CR3DX, on Madeira Island off the coast of Africa. Dimitry reported that his last hour was his very best hour, saying the online score competition kept him focused “to the very last minute.”



Congratulations to IK2NCJ and IZ3NVR for their World high finishes in Single Operator QRP, unassisted and Unlimited, respectively. Luca, IK2NCJ, powered D4L to a convincing victory. Stefano, IZ3NVR, obviously loves this ham radio stuff and had to work hard to hold off Zoli, HA5OB, as HG5O.

### DX Multi-Operator



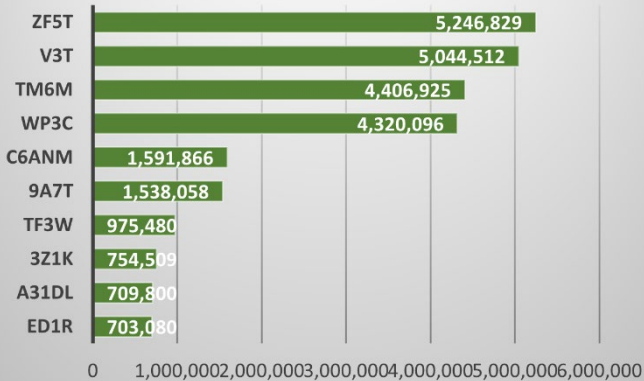
In his first time out as a single op from the DX side, Darrell, AB2E, put in a decisive win for World Low Power Single Operator Unlimited as VP9I.

### DX QRP





## Multi-Single Low Power Top Ten - World



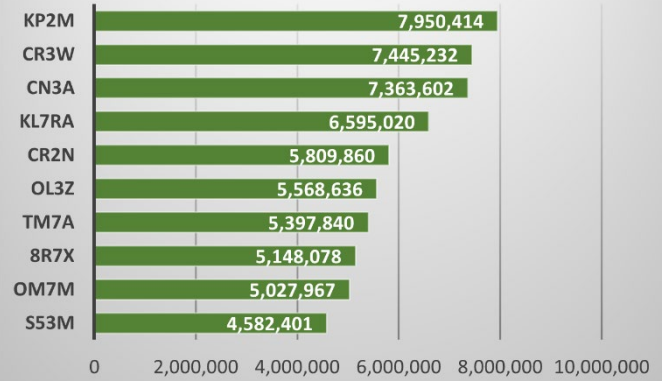
The Cayman Islands were out in force, with ZF1A winning High Power and ZF5T Low Power in the World Multi-Single categories. Neither ran away with it as both had other North American stations close on their heels. Every station on the list complained about how, when the conditions are this good, all the USA and Canada stations turn their antennas away from the Caribbean and Central and South America. But as Bill, W9KKN, on the team at ZF1A put it, “No excuses. Well, except one. We know. Nobody feels sorry for us. We have no real complaints, and we had a lot of fun.” Pretty sure the Europeans had a good time, too.

In the High Power category, the VP5K two-op team of Pat, KØPC, and Bill, ACØW, pushed hard on the ZF1A four-op team of seasoned veterans Jim, K1IR, Trey, N4KO, Marty, NN1C, and Bill, W9KKN. ZF1A has won World Multi-Single High Power four out of the last 5 years. You can bet they were seamless when working multipliers on the second radio.

Likewise, the World Multi-Single Low Power competition brought out a mass of experience, hosted by Stan, K5GO, at his QTH on Cayman Brac, ZF9CW. The team included Bill, W5SJ, and Bill, KO7SS, with Gerry, W1VE pitching in via remote. Stan and his group have won this category for the world for the past 5 years.

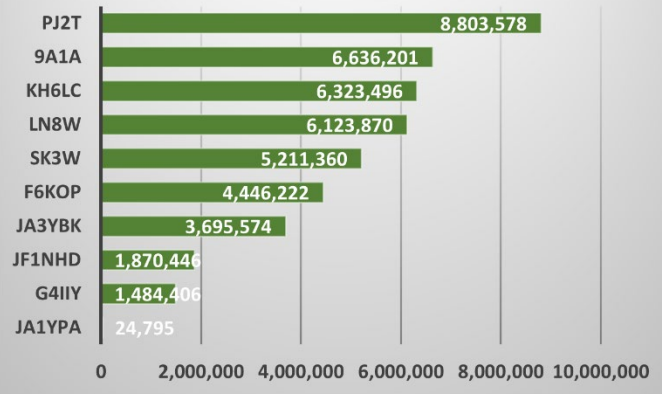
Hoping not to be outdone, the long-standing Field Day-type set up of V3T in Belize did not let up and put the squeeze on right up to the end but claiming the No. 2 position. Admirably, the four-op team at TM6M also put in an amazing effort, operating with low power from the mainland of France to best the four-op team running WP3C in Puerto Rico for third place.

## Multi-Two Top Ten - World



The all-German crew at CR3W came into the contest hoping to add a third straight year to their impressive dominance of World Multi-Two. Against the odds (conditions not favoring the Caribbean), the bunch activating KP2M in the Virgin Islands prevailed. “We had the record in sight, but conditions were so good for the USA and Canada to work Europe and Asia that it didn’t happen.”

## Multi-Multi Top Ten - World



In a year with conditions destined to challenge stations in the Caribbean, the station at Signal Point on Curacao, celebrating 25 years on the air this year, has returned to its post-pandemic form. The Blowtorch is back! Despite losing access to 160 meters for the second half of the contest, Geoff, WØCG, and his crew at the Caribbean Contesting Consortium left nobody standing, for victory in World Multi-Multi.



Here is the “You can tell it’s Monday” look of the World Multi-Multi leaders at PJ2T, having just beat all challengers - photo courtesy of WØCG

### DX Single Bands

Ten single band records outside the USA and Canada were challenged and surpassed this year, thanks to the incredible conditions and record high activity. See the New Overall Records list later in this article and the ARRL Contest Portal at [contests.arrl.org](https://contests.arrl.org) for more records data.



At the peak of 10 meters, here is Mark, LU8EOT, winner of Single Operator 10 Meters High Power Unlimited category – photo courtesy of LU8EOT

### Limited Antenna Overlay

The 2024 ARRL DX Contest is the first running of the event where the Limited Antenna Overlay is available to single operator participants. Operation is limited to the use of single-element antennas such as a single vertical, end-fed wire, or a single dipole antenna no more than 50 feet above ground at its highest point. The antenna(s) may cover multiple bands, as in the case of multiband verticals and dipoles with fan or trap constructions.

An overall Top Ten Limited Antenna Overlay listing is included later in this article.

Additionally, overlays are indicated in the line scores and notated on certificates available at [contests.arrl.org](https://contests.arrl.org).

### Final Reflection

If self-spotting is out of the bottle, maybe there could be better requirements. “If it is going to be legal, there should be some parameters about how frequently it is reasonable to self-spot.” Tom, W2SC, wonders, “Every CQ? Every 5 minutes? Every band change?”

Do we really have to say “listen to the other station and copy what is being sent”? We got a note from an operator who was asked to send in his log for cross-checking purposes, because his call appeared in a number of other logs. The problem was that guy wasn’t even on the air that weekend! Nevertheless, his call was incorrectly spotted, then it was incorrectly worked, then it was incorrectly logged. Really? How embarrassing. We can do better!



The legendary Wouff Hong, an instrument of correction for use in cases of egregious departure from good operating practices like not listening to what the other station is sending – photo courtesy of ARRL

One guy was sure people would make more contacts if they would slow down to 10 wpm and wrote, “you heard it here first.” Actually, this topic has come up before. Stations at the top of the game pretty much go at speeds they have learned are the most productive. Hint: it is faster than 10 wpm.

You can easily boost your personal credibility points if you post your score as soon as possible after the contest.

And remember, an online scoreboard is of limited value unless everyone gets with the program.

“Thanks to all that use the online scoreboard. It’s fun to watch and compete.” – Jeff, W2FU

“Thanks to all those that were on the online scoreboard.” – Craig, K9CT

“A word about the online scoreboard: For me it’s a good motivator.” – Dave, K1ZZ

## New Overall Records Set in 2024

### W/VE:

N5DX	9,909,048	SOHP
AA3B	11,136,213	SOUHP
K11G	7,048,278	SOULP
N3IQ (ND3F, op)	39,780	SOUHP-160
K4WY	18,972	SOLP-80
AC2YD	13,524	SOUQRP-80
KA1IS	567,672	SOUHP-40
W9XT	201,201	SOULP-40
K4XL	82,950	SOUQRP-40
K8CX	705,600	SOUHP-20
K9RO	166,320	SOULP-20
K9AXT	22,176	SOUQRP-20
KD9MS	113,742	SOQRP-15
WA1FCN	233,100	SOULP-15
N9SE	80,127	SOUQRP-15
K2SSS	727,560	SOHP-10
WØUO	384,264	SOLP-10
NØUR	134,415	SOQRP-10
K6LL	564,120	SOUHP-10
KG9X	275,652	SOUQRP-10
W2FU	10,506,804	MSHP
W9SN	6,021,510	MSLP
W3LPL	17,568,606	M2
K3LR	20,961,300	MM

### DX:

TI5CDA	6,834	SOULP-160
OK1DPU	20,094	SOULP-80
EA5Y	3,360	SOUQRP-80
EA5O	140,715	SOULP-40
S51Z	35,052	SOQRP-20
HGØY (HA7GN, op)	276,480	SOUHP-20
FY5KE (F6FVY, op)	381,555	SOUHP-15
E7CW	144,180	SOULP-15
EF3O (EA3O, op)	93,810	SOUQRP-15

KL7AC	95,778	SOQRP-10
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Behind the scenes at K3LR, operators are required to clock in for their shifts. Here's Doug, K1DG, before another band-smashing effort on 15 meters – photo courtesy of KL9A

### It's a Wrap

*“I told my mom the ARRL DX contest was coming up and she asked me if this was the telepathy weekend. I told her that most of the telepathy would be happening on 160 meters.”*  
– N5KO

Has Cycle 25 made its mark? We won't know until next February! Start thinking now about what record you want to go after next time! We are interested to know if you like the new Top Ten box idea with the graphs. Let us know! The next ARRL International DX Contest CW runs February 15 – 16, 2025. 73 until then!

**Mark your calendars! The 2025 ARRL International DX CW Contest is February 15 - 16, 2025!**

# Regional Leaders

Boxes list call sign, score, and class:

- M2 = Multioperator, Two Transmitter
- MM = Multioperator, Multitransmitter
- MSHP = Multioperator, Single Transmitter, High Power
- MSLP = Multioperator, Single Transmitter, Low Power
- SOHP = Single Operator, High Power
- SOHP-10 = Single Operator, High Power, 10 Meters
- SOHP-15 = Single Operator, High Power, 15 Meters
- SOHP-160 = Single Operator, High Power, 160 Meters
- SOHP-20 = Single Operator, High Power, 20 Meters
- SOHP-40 = Single Operator, High Power, 40 Meters
- SOHP-80 = Single Operator, High Power, 80 Meters
- SOLP = Single Operator, Low Power
- SOLP-10 = Single Operator, Low Power, 10 Meters
- SOLP-15 = Single Operator, Low Power, 15 Meters
- SOLP-160 = Single Operator, Low Power, 160 Meters
- SOLP-20 = Single Operator, Low Power, 20 Meters
- SOLP-40 = Single Operator, Low Power, 40 Meters
- SOLP-80 = Single Operator, Low Power, 80 Meters
- SOQRP = Single Operator, QRP
- SOQRP-10 = Single Operator, QRP, 10 Meters

- SOQRP-15 = Single Operator, QRP, 15 Meters
- SOQRP-20 = Single Operator, QRP, 20 Meters
- SOQRP-40 = Single Operator, QRP, 40 Meters
- SOQRP-80 = Single Operator, QRP, 80 Meters
- SOUHP = Single Operator Unlimited, High Power
- SOUHP-10 = Single Operator Unlimited, High Power, 10 Meters
- SOUHP-15 = Single Operator Unlimited, High Power, 15 Meters
- SOUHP-160 = Single Operator Unlimited, High Power, 160 Meters
- SOUHP-20 = Single Operator Unlimited, High Power, 20 Meters
- SOUHP-40 = Single Operator Unlimited, High Power, 40 Meters
- SOUHP-80 = Single Operator Unlimited, High Power, 80 Meters
- SOULP = Single Operator Unlimited, Low Power
- SOULP-10 = Single Operator Unlimited, Low Power, 10 Meters
- SOULP-15 = Single Operator Unlimited, Low Power, 15 Meters
- SOULP-160 = Single Operator Unlimited, Low Power, 160 Meters
- SOULP-20 = Single Operator Unlimited, Low Power, 20 Meters
- SOULP-40 = Single Operator Unlimited, Low Power, 40 Meters
- SOULP-80 = Single Operator Unlimited, Low Power, 80 Meters
- SOUQRP = Single Operator Unlimited, QRP
- SOUQRP-10 = Single Operator Unlimited, QRP, 10 Meters
- SOUQRP-15 = Single Operator Unlimited, QRP, 15 Meters
- SOUQRP-20 = Single Operator Unlimited, QRP, 20 Meters
- SOUQRP-40 = Single Operator Unlimited, QRP, 40 Meters
- SOUQRP-80 = Single Operator Unlimited, QRP, 80 Meters

<b>West Coast Region</b>		
<i>(Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and TER Sections)</i>		
ND7K (N6MJ, op @N6WIN)	8,470,332	SOHP
N9RV	6,744,624	SOHP
N5ZO	4,167,423	SOHP
K6XX	3,292,218	SOHP
VA7RR	3,064,122	SOHP
K2PO	1,958,775	SOLP
N7VM	1,479,882	SOLP
VE6TN	906,606	SOLP
K7LR	468,510	SOLP
N6PN	392,385	SOLP
N7IR	906,696	SOQRP
W6JTI	639,879	SOQRP
W6QU (W8QZA, op)	310,200	SOQRP

K7FR	200,112	SOQRP
N6HI	85,293	SOQRP
KN7K	4,179,708	SOUHP
N7AT (K8IA, op)	4,120,020	SOUHP
N7XU (K4XU, op)	3,251,460	SOUHP
W6PH	3,047,175	SOUHP
N6RV	2,831,013	SOUHP
WAØWWW	500,850	SOULP
N7YY	483,105	SOULP
W2XX	473,922	SOULP
W4IDX	446,682	SOULP
K7NEW	417,144	SOULP
K6JS	693,405	SOUQRP
WQ6X	310,104	SOUQRP
WO7T	12,750	SOUQRP

NJ6D	8,658	SOUHP-160
N7NWL	2,664	SOLP-80
K5CAO	1,716	SOULP-80
N7RK	71,214	SOHP-40
W6XI	40,110	SOUHP-40
W6BBD	144	SOULP-40
N7TU	376,002	SOHP-20
WJ9B	372,204	SOHP-20
N7HCN	918	SOHP-20
KK7PW	49,374	SOUHP-20
VE7RK	18,810	SOUHP-20
W7WA	548,379	SOHP-15
W6YA	428,085	SOHP-15
W6RKC	102,834	SOHP-15
K7MY	26,832	SOHP-15
VE7JKZ	19,278	SOHP-15
KM9R	122,145	SOLP-15
N6RM	52,500	SOLP-15
VE7MR	19,488	SOLP-15
VE7ZO	472,311	SOUHP-15
KA6BIM	324,240	SOUHP-15
K7WP	274,965	SOUHP-15
WU8T	81,891	SOULP-15
WØBF	27,405	SOULP-15
K6CTA	4,032	SOULP-15
VE7KAJ	1,845	SOULP-15
K6AR	408,948	SOHP-10
N7CW	403,200	SOHP-10
N6KN	329,373	SOHP-10
AJ6TL	21,114	SOHP-10
W7HJL	7,080	SOHP-10

K7SS	262,701	SOLP-10
WA7BNM	149,430	SOLP-10
N6MZ	124,992	SOLP-10
W7TMT	50,049	SOLP-10
KN7T	40,488	SOLP-10
N6AN	24,174	SOQRP-10
K2GMY	19,317	SOQRP-10
K6LL	564,120	SOUHP-10
KX7M	500,202	SOUHP-10
N6SS	360,126	SOUHP-10
W7RG	194,832	SOUHP-10
W7RN (K5RC, op)	186,930	SOUHP-10
N6GP	34,776	SOULP-10
N2WLG	29,640	SOULP-10
WV7S	17,748	SOULP-10
N6BHX	6,510	SOULP-10
AG6JA	1,392	SOULP-10
K6GHA	60,480	SOUQRP-10
W8TK	3,766,509	MSHP
W7VJ	3,345,867	MSHP
VE7SAR	1,271,385	MSHP
N6RA	280,215	MSHP
VA7DZ	29,151	MSHP
AA7A	9,143,442	M2
N7DX	7,973,376	M2
W7RM	6,516,153	M2
N6RO	9,764,130	MM
<b>Midwest Region</b>		
<i>(Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)</i>		
K5GN	7,859,676	SOHP
WXØB (AD5Q, op)	4,628,628	SOHP
N5AW	3,621,525	SOHP
K3PA	3,363,120	SOHP
WØEWD	3,222,384	SOHP

NAØN	2,387,376	SOLP
N7IV	1,294,839	SOLP
KØEA	864,270	SOLP
AJ4F	748,020	SOLP
NN5T	682,404	SOLP
NDØC	709,500	SOQRP
WY7N	45,105	SOQRP
KEØTT	33,060	SOQRP
WØDCX	20,646	SOQRP
WØPWE	4,860	SOQRP
N5RZ	6,761,376	SOUHP
WX8C	3,616,200	SOUHP
NØAV	3,296,079	SOUHP
VE5MX	3,255,903	SOUHP
NSØR	3,013,200	SOUHP
NØHJZ	2,100,384	SOULP
AD1C	2,029,413	SOULP
KØRC	1,908,480	SOULP
VE5SF	1,334,826	SOULP
WØUC	883,575	SOULP
WC7S	90,675	SOUQRP
KI5YGT	22,278	SOUQRP
WA5LFD	540	SOLP-160
KØPK	17,316	SOHP-80
WB5YUZ	663	SOLP-80
NIØK	12,084	SOUHP-80
NØTT	171,615	SOHP-40
N9HDE	27,528	SOLP-40
WDØBGZ	8,424	SOLP-40
KD5YPH	27	SOLP-40
K7NJ	371,628	SOUHP-40
WØCW	68,625	SOUHP-40

W7RY	14,364	SOUQRP-40
KE5ES	1,980	SOQRP-20
KG5WAW	147	SOQRP-20
KØVBU	92,736	SOUHP-20
W7CT	91,500	SOUHP-20
K5MXG	17,940	SOULP-20
KØKT	1,914	SOULP-20
AB5SS	1,386	SOHP-15
ADØH	28,800	SOLP-15
W5RQ	297	SOLP-15
W5TM	229,068	SOUHP-15
N5OT	523,050	SOHP-10
WKØP	58,800	SOHP-10
KZ5J	18,576	SOHP-10
WØUO	384,264	SOLP-10
WA5POK	150,447	SOLP-10
N5CO	87,822	SOLP-10
NØUI	53,580	SOLP-10
WNØL	37,830	SOLP-10
NØUR	134,415	SOQRP-10
NØJK	18,966	SOQRP-10
NO2D	264	SOQRP-10
KØAP	556,416	SOUHP-10
W9MAF	117,000	SOUHP-10
NØKQ	26,871	SOUHP-10
K7TD	12,636	SOUHP-10
WA5LXS	2,880	SOUHP-10
W2UP	188,769	SOULP-10
KØKX	146,475	SOULP-10
VE5KS	92,736	SOULP-10
VE5UF	83,472	SOULP-10
K5H DU	13,755	SOULP-10

K5TR	8,276,520	MSHP
KØZX	205,005	MSHP
NØAX	9,113,445	M2
NRØT	946,956	M2
KØRF	12,888,720	MM
<b>Central Region</b>		
<i>(Central and Great Lakes Divisions; Ontario East, Ontario North, Ontario South, and Golden Horseshoe Sections)</i>		
NA8V	6,405,120	SOHP
VE3AT	6,277,809	SOHP
K8GL	4,095,300	SOHP
K9MA	2,808,624	SOHP
VA3AR	1,608,000	SOHP
W1NN	1,873,125	SOLP
VE3TM	1,226,736	SOLP
VA3OKG	1,201,860	SOLP
W9KM	1,167,300	SOLP
VE3TG	998,958	SOLP
KX9DX	113,919	SOQRP
AB8DF	79,056	SOQRP
VE3CW	32,643	SOQRP
NI8W	17,199	SOQRP
AF9J	7,755	SOQRP
VE3EJ	7,645,176	SOUHP
K9NW	5,603,904	SOUHP
W8MJ	5,550,213	SOUHP
K1LT	5,112,450	SOUHP
VE3NNT	4,992,948	SOUHP
W5MX	5,432,832	SOULP
K4FN	2,090,775	SOULP
WE9R	2,044,350	SOULP
AJ9C	1,711,935	SOULP
N8AA	1,693,440	SOULP
N4AAJ	314,352	SOUQRP
VE3HG	74,520	SOUQRP
K8ZT	63,756	SOUQRP

KB9RPG	18,837	SOUQRP
KF4AV	8,100	SOUQRP
VE3PN	24,327	SOHP-160
N4TZ	18,375	SOHP-160
K9MMS	9,900	SOUHP-160
N8WS	48	SOUHP-160
KC8WH	1,386	SOHP-80
AC8CE	3,696	SOLP-80
KY6AA	396	SOULP-80
K9CJ	98,298	SOHP-40
WA3C	132,696	SOUHP-40
W9RN	53,352	SOUHP-40
VE3DZP	13,113	SOUHP-40
W9XT	201,201	SOULP-40
NJ9Q	1,512	SOULP-40
KW9A	183,768	SOHP-20
AF8C	47,652	SOHP-20
NG3Q	60,291	SOLP-20
W8GOC	56,832	SOLP-20
KC4WQ	44,121	SOLP-20
W9WJ	9,702	SOLP-20
N8ET	29,232	SOQRP-20
VA3RJ	108	SOQRP-20
K8CX	705,600	SOUHP-20
K9RO	166,320	SOULP-20
VE3ETE	11,070	SOULP-20
VA3SP	99,330	SOLP-15
KA8WQL	52,065	SOLP-15
VE3SKX	20,880	SOLP-15
W9KHH	5,940	SOLP-15

WA8OLD	3,960	SOLP-15
KD9MS	113,742	SOQRP-15
VA3IIF	9,936	SOQRP-15
K8RXB	6,156	SOQRP-15
W8NNC	420	SOQRP-15
KC9EE	323,070	SOUHP-15
VE3UZ	66,150	SOUHP-15
VA3CW	32,544	SOUHP-15
N9TCA	720	SOULP-15
N9SE	80,127	SOUQRP-15
K9BGL	477,420	SOHP-10
K8GU	198,198	SOHP-10
KC9OP	25,479	SOHP-10
K7TAR	3,150	SOHP-10
N9XX	221,445	SOLP-10
NF8M	10,032	SOLP-10
VE3EEJ	8,856	SOLP-10
WB8YLO	1,827	SOLP-10
KV8Q	74,304	SOQRP-10
W9PA	357,918	SOUHP-10
W9ILY	184,077	SOUHP-10
VE3GFN	164,406	SOULP-10
W8DW	31,275	SOULP-10
KG9X	275,652	SOUQRP-10
AA9A	5,819,550	MSHP
K8AZ	5,200,875	MSHP
VE3YAA	1,574,646	MSHP
K9CT	14,321,628	M2
VE3JM	12,839,298	M2
W9VW	7,964,352	M2
K8LX	6,483,744	M2
VE3IC	2,044,521	M2

<b>Southeast Region</b>		
<i>(Delta, Roanoke and Southeastern Divisions)</i>		
NR3X (N4YDU, op)	7,211,349	SOHP
KØEJ	5,423,760	SOHP
K4AB	5,102,412	SOHP
W4CB (W2RU, op)	4,548,258	SOHP
K4BAI	3,066,384	SOHP
K1GU	1,627,710	SOLP
N9NB	1,551,396	SOLP
WA5SOG	1,044,084	SOLP
K4SXT	1,030,860	SOLP
K8MR	916,110	SOLP
N7RCS	319,815	SOQRP
AA4SD	297,648	SOQRP
K5VR	122,508	SOQRP
ND9M	95,676	SOQRP
K2EKM	30,438	SOQRP
N4AF	6,931,143	SOUHP
NN7CW	6,791,364	SOUHP
W4RM	5,316,390	SOUHP
W1RCR	3,330,912	SOUHP
KM5G	3,310,524	SOUHP
N4XL	3,499,275	SOULP
NTØK (AA4LS, op)	2,763,312	SOULP
WA1S	2,459,457	SOULP
WA4PGM	1,687,125	SOULP
K3JT	1,480,608	SOULP
KR4AE	41,040	SOUQRP
K5UR	27,318	SOHP-160
N4XD	8,775	SOHP-160
NC4JP	2,187	SOHP-160
K4WY	18,972	SOLP-80
K4AEN	12,561	SOUHP-80
N4AO (WC4E, op)	20,493	SOULP-80
N3UA	11,808	SOULP-80



NU4M	1,386	SOULP-80
K3SV	64,251	SOHP-40
KØVW	14,916	SOLP-40
K9OM	306,720	SOUHP-40
W3US	153,207	SOUHP-40
K8FC	33,075	SOUHP-40
KR4F	31,320	SOUHP-40
AA4NP	111,618	SOULP-40
N3CW	18,720	SOULP-40
K4XL	82,950	SOUQRP-40
KK4UZK	120	SOUQRP-40
W4JKC	41,790	SOHP-20
AD4TJ	6,144	SOLP-20
K4RDU	3,864	SOLP-20
KS4L	4,536	SOQRP-20
WA4JUK	211,848	SOUHP-20
N4PSE	183,900	SOUHP-20
W4GD	61,146	SOUHP-20
N4GU	11,844	SOUHP-20
K9AXT	22,176	SOUQRP-20
N4LZ	35,604	SOHP-15
K4AMC	100,023	SOLP-15
N3GD	42,816	SOQRP-15
N1LN	447,456	SOUHP-15
WF4DX (WB9Z, op)	380,688	SOUHP-15
WJ2D	344,505	SOUHP-15
K3DNE	169,176	SOUHP-15
W4JUJ	51,342	SOUHP-15
WA1FCN	233,100	SOULP-15

K1TO	636,030	SOHP-10
N4MM	24,249	SOHP-10
AC8Y	13,260	SOHP-10
K5RM	11,400	SOHP-10
N8II	323,475	SOLP-10
WB4TDH	281,688	SOLP-10
N4IJ	232,434	SOLP-10
K5XK	79,605	SOLP-10
N3ZV	77,964	SOLP-10
K3TW	121,770	SOQRP-10
N4NM	77,454	SOQRP-10
N6MA	36,783	SOQRP-10
WO4O	440,856	SOUHP-10
N4BP	168,714	SOUHP-10
N3JT	162,180	SOUHP-10
AG4W	141,570	SOUHP-10
K4NMR	91,632	SOUHP-10
W1ZZ	121,260	SOULP-10
W4TMO	107,877	SOULP-10
W9CA (KK9DX, op)	28,968	SOULP-10
WA3RHW	7,659	SOULP-10
W5GAI	49,680	SOUQRP-10
N4RV	10,066,836	MSHP
NJ4P	7,153,920	MSHP
NO9E	617,982	MSHP
W9SN	6,021,510	MSLP
W4TG	1,896,510	MSLP
KT4XA	1,730,550	MSLP
W5GAD	235,620	MSLP
W4NF	9,021,696	M2
NR4M	17,478,147	MM

<b>Northeast Region</b>		
<i>(New England, Hudson and Atlantic Divisions; New Brunswick, Newfoundland and Labrador, Nova Scotia, Prince Edward Island and Quebec Sections)</i>		
N5DX	9,909,048	SOHP
K5ZD	8,553,024	SOHP
AA1K	6,852,258	SOHP
VY2TT	6,330,120	SOHP
KQ2M	5,481,171	SOHP
N1UR	3,915,126	SOLP
K1TR	3,198,744	SOLP
K1VUT	2,711,652	SOLP
N3FR	988,032	SOLP
N1QY	973,728	SOLP
W1FJ	1,212,720	SOQRP
K1RO	789,798	SOQRP
VA2IW	368,946	SOQRP
NQ2W	343,434	SOQRP
K8CN	324,414	SOQRP
AA3B	11,136,213	SOUHP
K1ZZ	9,100,962	SOUHP
N3RD	8,780,265	SOUHP
NY3A	8,509,644	SOUHP
K1RX	7,484,706	SOUHP
KI1G	7,048,278	SOULP
W1PY	2,713,038	SOULP
NS3T	2,559,927	SOULP
K3QP	2,558,157	SOULP
W3KB	2,483,868	SOULP
K2AL	252,444	SOUQRP
W2/DL8CX	126,378	SOUQRP
W3EK	44,982	SOUQRP
K1TW	38,250	SOUQRP
K2YG	32,136	SOUQRP
N3IQ (ND3F, op)	39,780	SOUHP-160
W3BGN	142,284	SOHP-80
W1FP	13,311	SOLP-80

W3NO	63,294	SOUHP-80
AA1QD	3,219	SOUHP-80
KB1GKN	243	SOUHP-80
WB2AIV	5,160	SOULP-80
AC2YD	13,524	SOUQRP-80
WA3FAE	41,358	SOLP-40
VE2JR	3,645	SOLP-40
WC1U	288	SOLP-40
AE2JL	270	SOLP-40
NN1DX	14,490	SOQRP-40
N2JNZ	6,105	SOQRP-40
KA1IS	567,672	SOUHP-40
K3STX	119,085	SOULP-40
N1IXF	2,640	SOULP-40
KQ2RP	2,574	SOUQRP-40
N2MF	637,905	SOHP-20
KU2M	621,387	SOHP-20
AI3Q	56,712	SOHP-20
WA2VIU	765	SOHP-20
K1EFI	52,440	SOLP-20
W2TZ	25,155	SOLP-20
W3EH	5,940	SOLP-20
WA1YGT	1,296	SOLP-20
WD1H	3	SOLP-20
AJ3M	1,224	SOUHP-20
N2EIM	96,228	SOULP-20
W2JV	69,192	SOULP-20
WX2N	46,002	SOULP-20
KQ6KC	10,545	SOUQRP-20
W1QK	245,385	SOLP-15

KS3F	28,032	SOLP-15
W2NPT	495	SOLP-15
VE2ZQ	1,995	SOQRP-15
N1AIA	720	SOQRP-15
WW3S	493,317	SOUHP-15
K3ZU	417,240	SOUHP-15
W1NG	170,163	SOUHP-15
W2CS	28,899	SOUHP-15
K1IM	134,316	SOULP-15
KR2H	111,510	SOULP-15
K2SQS	66,240	SOULP-15
AB1J	51,666	SOULP-15
K3HW	36,900	SOULP-15
K2SSS	727,560	SOHP-10
K2UA	577,500	SOHP-10
N1PGA	235,980	SOHP-10
VA1MM	92,208	SOHP-10
VE9HF	73,980	SOHP-10
VA2AN	26,544	SOLP-10
K3LO	24,072	SOLP-10
N3WAS	1,932	SOLP-10
KZ2I	270	SOLP-10
W2CLA	270	SOLP-10
WB2AMU	43,416	SOQRP-10
N1VVV	9,990	SOQRP-10
K1JB	427,986	SOUHP-10

W2AW (N2GM, op)	364,680	SOUHP-10
K2LE	294,060	SOUHP-10
N1KWF	127,518	SOUHP-10
KG1K	100,110	SOUHP-10
VE1ANF	229,881	SOULP-10
WA3MD	75,840	SOULP-10
KS2G	36,234	SOULP-10
VE2GT	72	SOULP-10
K3JZD	40,596	SOUQRP-10
W2FU	10,506,804	MSHP
K3AJ	6,091,119	MSHP
KQ3F	4,967,415	MSHP
K1ESE	4,199,580	MSHP
K3PH	4,099,533	MSHP
W1FM	1,509,750	MSLP
NJ1F	989,763	MSLP
W3LPL	17,568,606	M2
N2NT	12,758,877	M2
VA2WA	12,409,230	M2
K9RS	12,076,680	M2
N2AA	11,024,640	M2
K3LR	20,961,300	MM
K1LZ	19,865,736	MM
K1TTT	14,753,097	MM
K3WW	10,748,661	MM
K1KI	7,675,317	MM

## Limited Antenna Overlay Top Ten Scores

W/VE:

Single Operator, High Power		
Call	Section	Score
K4BAI	GA	3,066,384
KU8E	GA	2,566,200
N3FCP	EPA	2,096,151
AF2F	NNJ	952,902
K7JQ	AZ	910,080

W8FN	NC	797,316
W5VS	VA	760,365
K8PK	OH	642,750
K5TA	NM	523,770
N4WE	AL	440,748
Single Operator, High Power, 10 Meters		
VA1MM	NS	92,208
K3GW	WPA	67,710
WKØP	CO	58,800
AJ6TL	LAX	21,114

Single Operator, High Power, 15 Meters		
N4LZ	NFL	35,604
Single Operator, High Power, 20 Meters		
N7HCN	EWA	918
WA2VIU	NLI	765
Single Operator, High Power, 40 Meters		
N7RK	AZ	71,214
Single Operator, High Power, 80 Meters		
KØPK	MN	17,316
Single Operator, High Power, 160 Meters		
NC4JP	NC	2,187
Single Operator, Low Power		
W1NN	OH	1,873,125
K4SXT	SFL	1,030,860
VE3TG	ONE	998,958
N1QY	EMA	973,728
K8MR	WCF	916,110
VE3KOT	GH	828,828
KX1E	ME	815,868
K9UIY	IL	739,536
N3CKI	NC	728,403
N2EM	WPA	700,854
Single Operator, Low Power, 10 Meters		
N5CO	OK	87,822
K5XK	AR	79,605
NØUI	MO	53,580
W7TMT	WWA	50,049
W4RYW	AL	42,315
K4FT	SC	41,595
K3LO	MDC	24,072
VE5GC	SK	19,680
N5BR	STX	14,553
NF8M	MI	10,032
Single Operator, Low Power, 15 Meters		
KM9R	NV	122,145
VA3SP	ONE	99,330

KS3F	EPA	28,032
VE7MR	BC	19,488
W9KHH	WI	5,940
W5RQ	STX	297
Single Operator, Low Power, 20 Meters		
W8GOC	OH	56,832
AD4TJ	VA	6,144
W3EH	NNJ	5,940
Single Operator, Low Power, 40 Meters		
KØVW	GA	14,916
WC1U	EMA	288
KD5YPH	CO	27
Single Operator, Low Power, 80 Meters		
K4WY	VA	18,972
W1FP	VT	13,311
AC8CE	MI	3,696
N7NWL	AZ	2,664
Single Operator, Low Power, 160 Meters		
WA5LFD	NTX	540
Single Operator QRP		
WB2CPU	WMA	320,688
N7RCS	SFL	319,815
AA4SD	SC	297,648
K7FR	WWA	200,112
W7LG	WPA	161,928
KX9DX	IN	113,919
ND9M	NFL	95,676
KQ1P	ME	92,169
N6HI	AZ	85,293
K1AV	RI	76,398
Single Operator QRP, 10 Meters		
WB2AMU	NLI	43,416
N6MA	TN	36,783
N6AN	LAX	24,174
NØJK	KS	18,966
N1VVV	ME	9,990

<b>Single Operator QRP, 15 Meters</b>		
VA3IIF	GH	9,936
K8RXB	MI	6,156
N1AIA	ME	720
<b>Single Operator QRP, 20 Meters</b>		
VA3RJ	GH	108
<b>Single Operator Unlimited, High Power</b>		
K4RUM	NLI	3,420,399
NI1L	EMA	3,241,932
K2SX	SC	2,856,357
K1TZQ	RI	2,751,030
W4PM	VA	2,593,608
N6NT	NC	2,167,605
NE8P	NFL	2,135,556
N6CW	SDG	1,975,050
KM3T	NH	1,842,120
ABØS	NE	1,558,845
<b>Single Operator Unlimited, High Power, 10 Meters</b>		
NØKQ	CO	26,871
K4NWX	SC	3,744
WA5LXS	NTX	2,880
<b>Single Operator Unlimited, High Power, 15 Meters</b>		
KC9EE	IL	323,070
W5TM	OK	229,068
W4JUJ	TN	51,342
W2CS	EMA	28,899
<b>Single Operator Unlimited, High Power, 20 Meters</b>		
W4GD	NFL	61,146
AJ3M	MDC	1,224
<b>Single Operator Unlimited, High Power, 40 Meters</b>		
K9OM	NFL	306,720
W3US	NFL	153,207
W6XI	AZ	40,110
K8FC	SFL	33,075
VE3DZP	GH	13,113

<b>Single Operator Unlimited, High Power, 80 Meters</b>		
K4AEN	VA	12,561
NIØK	MN	12,084
KB1GKN	NH	243
<b>Single Operator Unlimited, Low Power</b>		
NS3T	MDC	2,559,927
K3QP	WPA	2,558,157
AD1C	CO	2,029,413
AC5XK	MDC	1,503,744
K9PW	IL	1,437,426
KW1X	EMA	1,384,500
N1IX	NH	1,293,039
VE3MGY	ONS	1,267,716
KY4GS	SC	1,252,800
W2NTN	EMA	1,098,960
<b>Single Operator Unlimited, Low Power, 10 Meters</b>		
W2UP	CO	188,769
W4TMO	VA	107,877
WA3MD	MDC	75,840
N2WLG	OR	29,640
WV7S	WWA	17,748
K5HDU	UT	13,755
AG6JA	EB	1,392
VE2GT	QC	72
<b>Single Operator Unlimited, Low Power, 15 Meters</b>		
K1IM	ME	134,316
AB1J	EMA	51,666
WØBF	AZ	27,405
K6CTA	SF	4,032
<b>Single Operator Unlimited, Low Power, 20 Meters</b>		
N2EIM	NNJ	96,228
<b>Single Operator Unlimited, Low Power, 40 Meters</b>		
K3STX	MDC	119,085
AA4NP	SFL	111,618
N3CW	VA	18,720
NJ9Q	IL	1,512
W6BBD	SDG	144

<b>Single Operator Unlimited, Low Power, 80 Meters</b>		
N4AO (WC4E, op)	WCF	20,493
WB2AIV	WNY	5,160
<b>Single Operator Unlimited, QRP</b>		
WC7S	WY	90,675
K8ZT	OH	63,756
W3EK	DE	44,982
KR4AE	GA	41,040
KI5YGT	NTX	22,278
KB9RPG	IN	18,837
KF4AV	KY	8,100
N9EEE	WI	6,624
KØEMT	IN	546
<b>Single Operator Unlimited, QRP, 15 Meters</b>		
N9SE	IN	80,127
<b>Single Operator Unlimited, QRP, 20 Meters</b>		
K9AXT	NC	22,176
KQ6KC	CT	10,545
<b>Single Operator Unlimited, QRP, 40 Meters</b>		
W7RY	MO	14,364
KQ2RP	NNJ	2,574
<b>Single Operator Unlimited, QRP, 80 Meters</b>		
AC2YD	NNJ	13,524

**DX:**

<b>Single Operator, High Power</b>	
<i>Call</i>	<i>Score</i>
G4BUO	1,107,624
F8AAN	913,920
YO3APJ	752,544
JA7NPV	663,585
3D2AG	469,812
OK1OA	466,590
II3O (IV3IPS, op)	415,260
DP1POL (DL5XL, op)	290,427
JR6CSY	275,064
SP2FAP	259,524

<b>Single Operator, High Power, 10 Meters</b>	
SP3HLM	131,157
JH9FCP	61,152
RN3BL	45,360
OK2EQ	25,740
JA7MAD	20,769
RQ3A	20,664
YO3AK	13,764
JG8TDZ	9,312
DF5DK	5,880
OH1QX (OH1ZAA, op)	1,890
<b>Single Operator, High Power, 15 Meters</b>	
HK1MW	216,282
GU4CHY	65,667
LZ1RW	52,326
4X1VF	23,628
JR6IKD	13,923
OG6B (OH1ZAA, op)	4,425
<b>Single Operator, High Power, 20 Meters</b>	
UT5NC	58,446
DL9LM	24,420
HB9DOS	22,950
M3P (G4DBL, op)	19,656
OH5ZA (OH1ZAA, op)	7,446
UN4PG	6,534
UN7QF	2,775
SQ5CZP	648
HB9FBG	162
<b>Single Operator, High Power, 40 Meters</b>	
M5D (G4WQI, op)	69,309
UR7LY	36,660
GM4CXM	3,528
OH9COG (OH1ZAA, op)	108
JF4IET	75
<b>Single Operator, High Power, 80 Meters</b>	
HA8BT	20,091
<b>Single Operator, High Power, 160 Meters</b>	
NL8F	1,104

<b>Single Operator, Low Power</b>	
SP1AEN	570,078
LY2TS	344,187
SF6W (SM6EWB, op)	254,340
ZA1RR	235,914
F5JU	235,488
PY2XL	233,415
DL/UX1HW	229,743
DL5KUD	223,104
UA6GO	188,760
SD6M (SA6BGR, op)	187,392
<b>Single Operator, Low Power, 10 Meters</b>	
J35X	154,056
TI5/VA3RA	87,642
LW2DX	27,324
SP7FCX	23,895
G4ARI	23,478
DL9GK	22,140
UR4L (UR4LTX, op)	21,402
SM7SMS	19,872
SM7RME	19,782
JO1RUQ	18,942
<b>Single Operator, Low Power, 15 Meters</b>	
TF3EO	52,479
EW1TO	51,324
UT3QZ	29,670
YO5AXF	27,000
IT9ZZO	19,575
SP9W	17,550
YL2EA	17,343
PG2V	16,614
UT5UIA	15,444
ON7XN	13,800
<b>Single Operator, Low Power, 20 Meters</b>	
WP4TZ	61,650
IK4MTF	43,500
IT9MRM	21,411
EA7OR	16,200
EI8GP	15,960
DHØGDS	10,710
DH7AMF	6,300

SP4AAZ	5,760
EA6BB	4,872
EA3DMN	3,900
<b>Single Operator, Low Power, 40 Meters</b>	
OL2C (OK2YT, op)	51,561
IV3EAD	31,161
9A2M	23,760
E7ØY	19,215
DL2TG	18,012
YU1RK	15,360
KH6KB (N6KB, op)	14,040
GM2G (MMØDFV, op)	7,728
SP7JDI	3,675
JJ1GXY	3,366
<b>Single Operator, Low Power, 80 Meters</b>	
OK2HBR	9,396
CT1BWU	1,683
<b>Single Operator, Low Power, 160 Meters</b>	
JE1SPY	1,176
<b>Single Operator QRP</b>	
PP8ZAC	108,900
JQ1NGT	103,668
EA4EPY	99,750
JR1NKN	48,840
DL8BEG	18,618
IW2EAB	12,600
JA1KEB	8,214
EW8G	5,616
ON8NT	5,217
DK5CM	4,692
<b>Single Operator QRP, 10 Meters</b>	
EA2BD	7,920
JH7DHL	4,134
EA5YU	3,795
JR1UJX	2,850
PY2BN	1,134
SP2HMY	702
JK1VUZ	594
BA7JMO	228

G4IDF	192
JAØQBY/ø	126
<b>Single Operator QRP, 15 Meters</b>	
DL8MBS	16,731
OK1CBB	5,304
SQ2RH	3,120
JA1KPF	1,599
UT7AA	243
JL1NIE	36
JG1BGT	18
<b>Single Operator QRP, 20 Meters</b>	
EA2CAR	2,160
SP4NKJ	1,485
MØORY	1,458
YU7RQ	168
IU5RFA	126
DB2OW	36
EM3ABM (UT7AA, op)	36
JP1JZR/1	36
<b>Single Operator QRP, 40 Meters</b>	
LZ2AF	6,432
OK1CZ	2,904
JM1MTE	810
<b>Single Operator QRP, 80 Meters</b>	
OU2V (OZ1FJB, op)	216
JH1APZ	195
<b>Single Operator Unlimited, High Power</b>	
4U1A (OE1ZZZ, op)	1,743,651
HA5PP	1,058,250
EW2A	1,030,500
UR7EU	976,122
IK3ORD	952,323
G4AMT	850,941
BD1KV	727,317
H25A	703,440
DL2RMC	585,060
OP5T (ON4DS, op)	448,758

<b>Single Operator Unlimited, High Power, 10 Meters</b>	
OL1T (OK6DJ, op)	83,619
G3RTE	68,208
NH6N	22,908
RA1QD	21,294
YO3LW	19,539
JP2XYT	12,204
SN7F	7,200
<b>Single Operator Unlimited, High Power, 15 Meters</b>	
OH2KW	156,600
HA5GF	67,716
DK5XG	39,312
CT1ERY	35,100
PT6T (PY6TS, op)	33,450
<b>Single Operator Unlimited, High Power, 20 Meters</b>	
LA1U	39,474
UR7R (UX1RX, op)	27,606
DK1WU	16,560
M2O (G1GEY, op)	14,835
YO3GXO	2,220
<b>Single Operator Unlimited, High Power, 40 Meters</b>	
SP3GTS	94,080
I2IFT	65,031
DL8ZAW	42,276
EA5BM	38,688
MØHOM	35,724
Z39A	19,908
UT3N (UT3NK, op)	19,404
R5DF	16,236
LN5O (LB3RE, op)	14,688
EA1NE	14,319
<b>Single Operator Unlimited, High Power, 80 Meters</b>	
GW9J (GWØGEI, op)	27,945
OK2BPU	10,710
DK9ZQ	7,488
S51NM	4,950
IK2TDM	3,348
<b>Single Operator Unlimited, High Power, 160 Meters</b>	
PA3FGA	1,350



<b>Single Operator Unlimited, Low Power</b>	
VP9I (AB2E, op)	3,490,395
V26CV	1,842,591
M6W (G3WW, op)	1,322,316
S57KM	991,500
HB9AMO	900,324
IZ3NYG	813,852
CR2E (VE3MA, op)	626,076
F4WEJ	620,361
IZ4JMA	526,587
EA6EJ	448,050
<b>Single Operator Unlimited, Low Power, 10 Meters</b>	
DL8TG	52,938
PY2UDB	47,223
DD1LD	39,300
PA2REH	33,507
JR8QFG	33,345
G3MOT	27,918
OZ7BQ	26,865
PA4Y	23,940
JA1CHY	23,895
HA3MG	22,005
<b>Single Operator Unlimited, Low Power, 15 Meters</b>	
JF3BFS	82,422
SP4JFR	76,779
DM7CW	33,966
UT5UN	9,207
LZ1MC	7,470
YU7EE	5,040
JR5IVE	252
JE3EZX	210
EA4CWW	147
BG2LAU	9
<b>Single Operator Unlimited, Low Power, 20 Meters</b>	
PS8HF	64,896
UR2Y (USØYW, op)	58,482
EW1TZ	50,856
M4N (G4IZZ, op)	48,807
LAØGE	19,926
LZ2MP	6,804
ES1TAR	5,775

UR7CB	5,658
ON9EEE	4,788
MØKHX	1,035
<b>Single Operator Unlimited, Low Power, 40 Meters</b>	
EA5O	140,715
OK2BFN	47,124
OK1AY	37,944
R6CC	30,222
JJ1AEB	14,751
DK4LX	6,936
IT9ORA	6,177
DLØOO (DL4MCA, op)	4,452
TA3D	2,736
BA4AEO	600
<b>Single Operator Unlimited, Low Power, 80 Meters</b>	
YO5AVN	18,093
JP3WEL (JG1EIQ, op)	48
JH4FUF	24
<b>Single Operator Unlimited, Low Power, 160 Meters</b>	
JH1BBT	189
<b>Single Operator Unlimited, QRP</b>	
IZ3NVR	327,429
G4BUE	140,454
DF1MM	77,760
PAØRDT	74,538
DL1EFW	71,940
PY2MLO	15,675
DD1MAT	8,316
<b>Single Operator Unlimited, QRP, 10 Meters</b>	
G6M (G4BYG, op)	33,984
MIØI	14,640
JF3KQA	11,424
OK2PDT/P	7,560
YU1LM	5,427
EA4HWT	4,800
IZ2QKG	1,071
<b>Single Operator Unlimited, QRP, 20 Meters</b>	
ZS6WAR	216

<b>Single Operator Unlimited, QRP, 40 Meters</b>	
DK1VD	4,608

## Continental Winners

### Africa

Single Operator, High Power	ZD7W	4,037,247
Single Operator, Low Power	CR3DX (OM3RM, op)	4,243,197
Single Operator, QRP	D4L (IK2NCJ, op)	1,088,190
Single Operator Unlimited, High Power	ED8M	2,722,494
Single Operator Unlimited, Low Power	EA8/G4HSO	14,940
Single Operator, Low Power, 20 Meters	EA9ACD	149,118
Single Operator Unlimited, High Power, 20 Meters	EA8/IK1PMR	17,907
Single Operator Unlimited, QRP, 20 Meters	ZS6WAR	216
Single Operator Unlimited, Low Power, 15 Meters	FR8UA	100,746
Single Operator, High Power, 10 Meters	5Z4VJ	73,647
Single Operator, Low Power, 10 Meters	5X1XA (G3XAQ, op)	62,886
Single Operator Unlimited, Low Power, 10 Meters	ZS1/VE3NZ	80,640
Multioperator, Two Transmitter	CR3W	7,445,232

### Antarctica

Single Operator, High Power	DP1POL (DL5XL, op)	290,427
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### Asia

Single Operator, High Power	JE6RPM (JH5GHM, op)	1,600,758
Single Operator, Low Power	4X7M (4Z4AK, op)	1,294,812
Single Operator, QRP	JH7UJU	196,272
Single Operator Unlimited, High Power	P3X (5B4AMM, op)	1,340,865
Single Operator Unlimited, Low Power	JH1EAQ	788,616
Single Operator Unlimited, QRP	JK7DWD	111,834
Single Operator, High Power, 160 Meters	JA8NFV	690
Single Operator, Low Power, 160 Meters	JE1SPY	1,176
Single Operator Unlimited, High Power, 160 Meters	JF1AMX	4,158
Single Operator Unlimited, Low Power, 160 Meters	JH1BBT	189
Single Operator, High Power, 80 Meters	JH7XMO	1,932
Single Operator, Low Power, 80 Meters	JH4CES	456
Single Operator, QRP, 80 Meters	JH1APZ	195
Single Operator Unlimited, Low Power, 80 Meters	4Z4KX	8,814
Single Operator, High Power, 40 Meters	JA6SHL	63,954
Single Operator, Low Power, 40 Meters	JJ1GXY	3,366
Single Operator, QRP, 40 Meters	JR1ABS	2,652
Single Operator Unlimited, High Power, 40 Meters	4Z5LA	38,493
Single Operator Unlimited, Low Power, 40 Meters	JJ1AEB	14,751
Single Operator, High Power, 20 Meters	BD4TS	27,324
Single Operator, Low Power, 20 Meters	TA3NE	33,417
Single Operator, QRP, 20 Meters	JP1JZR/1	36
Single Operator Unlimited, High Power, 20 Meters	RGØA	104,652
Single Operator Unlimited, Low Power, 20 Meters	HZ1TT	70,620

Single Operator, High Power, 15 Meters	JJØVNR	181,134
Single Operator, Low Power, 15 Meters	JA1GQC	42,900
Single Operator, QRP, 15 Meters	JA1KPF	1,599
Single Operator Unlimited, High Power, 15 Meters	JE1CKA	177,840
Single Operator Unlimited, Low Power, 15 Meters	JH7VHZ	95,256
Single Operator Unlimited, QRP, 15 Meters	BG3ODZ	3,300
Single Operator, High Power, 10 Meters	JR3EOI	105,624
Single Operator, Low Power, 10 Meters	JI7NUF	103,656
Single Operator, QRP, 10 Meters	JK1CNL	12,210
Single Operator Unlimited, High Power, 10 Meters	JH7XGN	135,432
Single Operator Unlimited, Low Power, 10 Meters	JA1MZM	98,010
Single Operator Unlimited, QRP, 10 Meters	JA6VZB	16,728
Multioperator, Single Transmitter, High Power	JH4UYB	1,711,365
Multioperator, Single Transmitter, Low Power	JK2VOC	144,000
Multioperator, Two Transmitter	JH8YOH	2,796,444
Multioperator, Multitransmitter	JA3YBK	3,695,574

## Europe

Single Operator, High Power	EF6T (EA3M, op)	5,735,925
Single Operator, Low Power	CR6K (CT1ILT, op)	5,327,400
Single Operator, QRP	LY9A	641,376
Single Operator Unlimited, High Power	ED7W (EB7A, op)	4,467,474
Single Operator Unlimited, Low Power	IP3A (IK3QAR, op)	2,416,050
Single Operator Unlimited, QRP	IZ3NVR	327,429
Single Operator, High Power, 160 Meters	UYØZG	5,760
Single Operator, Low Power, 160 Meters	DL5KVV	1,479
Single Operator Unlimited, High Power, 160 Meters	S56X	20,292
Single Operator Unlimited, Low Power, 160 Meters	OL1A (OK1CW, op)	6,675
Single Operator, High Power, 80 Meters	CS2C (OK1RF, op)	145,848
Single Operator, Low Power, 80 Meters	OK2HBR	9,396
Single Operator, QRP, 80 Meters	OK1RCX	648
Single Operator Unlimited, High Power, 80 Meters	HA1TJ	113,850
Single Operator Unlimited, Low Power, 80 Meters	OK1DPU	20,094
Single Operator Unlimited, QRP, 80 Meters	EA5Y	3,360
Single Operator, High Power, 40 Meters	OM2XW	215,460
Single Operator, Low Power, 40 Meters	IC8JOH	85,212
Single Operator, QRP, 40 Meters	OK6OK	12,810
Single Operator Unlimited, High Power, 40 Meters	DK9PY	210,633
Single Operator Unlimited, Low Power, 40 Meters	EA5O	140,715
Single Operator Unlimited, QRP, 40 Meters	S58R	6,930
Single Operator, High Power, 20 Meters	OH8L (OH8LQ, op)	267,180
Single Operator, Low Power, 20 Meters	DL9ZP	55,692
Single Operator, QRP, 20 Meters	S51Z	35,052
Single Operator Unlimited, High Power, 20 Meters	HGØY (HA7GN, op)	276,480
Single Operator Unlimited, Low Power, 20 Meters	HG6O (HA6OA, op)	95,589
Single Operator Unlimited, QRP, 20 Meters	DM7AA	4,650

Single Operator, High Power, 15 Meters	SN5X (SP5GRM, op)	217,440
Single Operator, Low Power, 15 Meters	9A4BT	99,330
Single Operator, QRP, 15 Meters	DL8MBS	16,731
Single Operator Unlimited, High Power, 15 Meters	SN3A (SQ2GXO, op)	258,945
Single Operator Unlimited, Low Power, 15 Meters	E7CW	144,180
Single Operator Unlimited, QRP, 15 Meters	EF3O (EA3O, op)	93,810
Single Operator, High Power, 10 Meters	MW5B	291,600
Single Operator, Low Power, 10 Meters	MD2C (MDØCCE, op)	116,793
Single Operator, QRP, 10 Meters	LZ4TX	45,594
Single Operator Unlimited, High Power, 10 Meters	HA5JI	246,960
Single Operator Unlimited, Low Power, 10 Meters	MM2N	134,748
Single Operator Unlimited, QRP, 10 Meters	G4ZFE	39,450
Multioperator, Single Transmitter, High Power	IO4X	4,795,740
Multioperator, Single Transmitter, Low Power	TM6M	4,406,925
Multioperator, Two Transmitter	CR2N	5,809,860
Multioperator, Multitransmitter	9A1A	6,636,201

### North America

Single Operator, High Power	8P5A	7,239,825
Single Operator, Low Power	NP4Z	3,908,304
Single Operator Unlimited, High Power	TO4A (VE3DZ, op)	6,418,512
Single Operator Unlimited, Low Power	VP9I (AB2E, op)	3,490,395
Single Operator, High Power, 160 Meters	NP2J (K8RF, op)	54,315
Single Operator, Low Power, 160 Meters	V26OC (N3OC, op)	8,019
Single Operator Unlimited, Low Power, 160 Meters	TI5CDA	6,834
Single Operator, Low Power, 80 Meters	NP3CW	513
Single Operator, High Power, 40 Meters	KP2DX (WP3A, op)	193,680
Single Operator, Low Power, 40 Meters	CO2JD	133,209
Single Operator, Low Power, 20 Meters	XE1CT	112,689
Single Operator, QRP, 20 Meters	XE2MWY	468
Single Operator, High Power, 15 Meters	WP4WW (KP4JRS, op)	88,245
Single Operator, Low Power, 15 Meters	XE2AU	17,556
Single Operator Unlimited, High Power, 15 Meters	V31DJ (WØCP, op)	260,043
Single Operator, Low Power, 10 Meters	J35X	154,056
Single Operator, QRP, 10 Meters	KL7AC	95,778
Single Operator Unlimited, High Power, 10 Meters	NP3X (LU8EOT, op)	286,761
Multioperator, Single Transmitter, High Power	ZF1A	6,251,754
Multioperator, Single Transmitter, Low Power	ZF5T	5,246,829
Multioperator, Two Transmitter	KP2M	7,950,414

### Oceania

Single Operator, High Power	KH6J (N6TJ, op)	2,847,897
Single Operator, Low Power	KH6AQ	1,473,000
Single Operator, QRP	NH6O	3,096
Single Operator Unlimited, High Power	KH7M (NA2U, op)	2,633,370
Single Operator Unlimited, Low Power	YB9ELS	59,130

Single Operator, High Power, 40 Meters	DU1EV	168
Single Operator, Low Power, 40 Meters	VK2IG	35,880
Single Operator, QRP, 40 Meters	VK2CCC	9,486
Single Operator Unlimited, Low Power, 40 Meters	YC2VOC	15,876
Single Operator, Low Power, 15 Meters	YC9FAR	25,110
Single Operator, QRP, 15 Meters	YC4SIZ	120
Single Operator Unlimited, Low Power, 15 Meters	YCØRNC/1	3,024
Single Operator, High Power, 10 Meters	YBØSAS	930
Single Operator, Low Power, 10 Meters	VK3GF	33,552
Single Operator Unlimited, High Power, 10 Meters	ZL4TT	180,180
Single Operator Unlimited, Low Power, 10 Meters	DU3LA	78,489
Multioperator, Single Transmitter, High Power	ZM4T	2,741,232
Multioperator, Single Transmitter, Low Power	A31DL	709,800
Multioperator, Two Transmitter	ZL3X	2,546,646
Multioperator, Multitransmitter	KH6LC	6,323,496

### South America

Single Operator, High Power	P44W (W2GD, op)	5,417,280
Single Operator, Low Power	PZ5DX (RA3CO, op)	4,297,590
Single Operator, QRP	YV6BXN	241,380
Single Operator Unlimited, High Power	P49Y (AE6Y, op)	5,387,148
Single Operator Unlimited, Low Power	HK4RCA (KC1XX, op)	1,403,682
Single Operator Unlimited, QRP	PY2MLO	15,675
Single Operator, Low Power, 80 Meters	HC1MD/2	3,150
Single Operator Unlimited, High Power, 80 Meters	PP2BT	3,381
Single Operator, High Power, 40 Meters	CE4PS	4,116
Single Operator Unlimited, High Power, 40 Meters	PY2GTA	1,224
Single Operator Unlimited, Low Power, 40 Meters	PY2EU	2,394
Single Operator Unlimited, High Power, 20 Meters	PP5AX	53,265
Single Operator Unlimited, Low Power, 20 Meters	HC5CW	154,080
Single Operator, High Power, 15 Meters	PJ4A	359,412
Single Operator, Low Power, 15 Meters	YV4YC	144,609
Single Operator Unlimited, High Power, 15 Meters	FY5KE (F6FVY, op)	381,555
Single Operator Unlimited, Low Power, 15 Meters	PY4LH	63,030
Single Operator, High Power, 10 Meters	PW2E (PY2ZEA, op)	308,880
Single Operator, Low Power, 10 Meters	PY2EX	180,900
Single Operator, QRP, 10 Meters	PQ8RS	15,360
Single Operator Unlimited, High Power, 10 Meters	PR1T (PY1ZV, op)	236,118
Single Operator Unlimited, Low Power, 10 Meters	ZP6/N3BNA	222,300
Single Operator Unlimited, QRP, 10 Meters	PY1CMT	12,768
Multioperator, Single Transmitter, High Power	ZW5B	3,383,430
Multioperator, Single Transmitter, Low Power	HC2GRC	86,574
Multioperator, Two Transmitter	8R7X	5,148,078
Multioperator, Multitransmitter	PJ2T	8,803,578