



ARRL 10-Meter Contest

2023 Full Results

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“Propagation conditions were not as stable as in previous years.” LU3MG

The ARRL 10M contest in 2023 was, by any objective measure, a resounding success. There were a confirmed 1,437,825 QSOs from 5,814 submitted logs. We set four new domestic and three new DX records. With a Solar Flux of 128 on Saturday and 126 on Sunday, the daylight hours offered consistent 10M openings. And unlike in 2022, northern latitude stations were not seriously hampered by geomagnetic activity, with the K-indices fluctuating between 0 and 1 throughout the weekend.

Nonetheless, the sunspot number had been considerably higher two weeks earlier (and was again two weeks later), leading many to feel ever so slightly cheated by the sun. Still, the 10-Meter weekend attracted both new and experienced contesters, with great activity on both phone and CW, with the number of submitted entries just short of the 2022 record year.



Ian, 4F1EBD installing his 5-element beam before the start of the contest. [Ian Uy, 4F1EBD, photo]

Many North American operators were expectantly in front of their radios the first few hours, anticipating the traditional E-skip openings of Friday night. Most were disappointed, with just a scattering of locations in the southeast having a path into the plain states. K1TO had success from his West Central Florida QTH, making 86 CW contacts in the first hour, mostly continental US, but including a mix of Pacific, Oceania, and South America stations.

Wolfgang NN7CW, also in Florida, but further north, managed 56 CW contacts in the first hour, and 89 in the first four hours. Compare that to his 323 contacts in the same four-hour span last year.

West Coast stations started with a strong opening across the Pacific, and the team at W6YX posted a 143 rate in the first hour, running mostly Japan on CW. Although there wasn't much propagation into, or out, of the northern plains, there were still QSOs to be had. Operators in and around Minneapolis worked each other and managed a few contacts with the bigger stations in the south and southeast. NØJHZ worked 29 fellow Minnesotans the first evening using a mix of phone and CW.

During the first day there were plenty of QSOs between Europe and Asia, although the path between the densely population regions of central Europe and Japan was difficult, with IK2PFL, the top Unlimited CW only finisher in Europe, making only eight JA contacts Saturday morning, before turning his attention to the North American stations by mid-day.

Luca also reports that unlike previous years, the echoes on backscatter made it difficult to hear many European multipliers. The team at E7DX noted that 10M closed during daylight hours Saturday, and that they struggled to hear and complete many of the contacts with others in Europe, even on Sunday when conditions were a little better.

As the sun struck the American continent, there were good openings from Europe to South America, the Caribbean and North America. Many operators report that conditions seemed to favor North-South propagation, which benefited operators in South American, the Atlantic islands, and Africa, who had great conditions into Europe

and North America for much of the day (as well as Sunday).

The team at FY5KE made 2,005 contacts in the sixteen-and-a-half hours they were on during their local Saturday, starting with a long opening to Europe, followed by good to great conditions to all of North America, and punctuated with a nice run of Japanese stations.

For North American stations, the path to Europe opened before 1100Z, with the K1LZ station in Maine making its first European contact (with LZ9W) at 5:24am local time. Stations across much of the eastern seaboard and the Midwest had openings to all parts of Europe, until local sunset in Europe. And unlike last year, there were hours of propagation from Europe to the West Coast, although it was better Sunday.

There was also a long path opening into Southeast and East Asia, although that did not extend to Japan. As dawn extended farther and farther west, North American stations began working each other. WM5R at K5TR in South Texas reports that the skip was long all weekend, but especially Saturday, and on his way to beat his US rivals in the Phone Only, High Power category, he reports he had 1,000 QSOs in the log before working the Illinois multiplier.

My experience in Georgia was that while it was possible to work the big guns across much of North America, the E-W skip zone was narrowly set at around 1400 miles, and that meant lots of Arizona and Colorado stations in the log, but relatively few Texas or California ones.

For those running power, backscatter conditions were pretty good, especially early, making it possible for CW ops to amass US multipliers. The path south remained open well past sunset. Propagation across the Pacific was good, with many stations east of the Mississippi able to work Japanese and Chinese stations.

For this contest, South America was, as usual, a prime location. This included great conditions for stations across the northern part of continent, including Columbia, Aruba, and French Guinea. A wide range of stations in Brazil, Argentina, and Uruguay, using all manner of antennas and power outputs, worked across six continents, from before sunrise till well after sunset. Nonetheless, as Seba, LU3MG, notes, conditions to Europe were still not as strong as expected or hoped, and the result was fewer Europeans in the log.

Propagation on Sunday started off not markedly different from Saturday, although the rate was slower for most stations, as there were fewer new stations to work. But most operators noted conditions improving throughout

Sunday, with signals louder, and the signals between Europe and North America were markedly stronger on Sunday compared to a day earlier.

Conditions really improved in the last 12-hours of the contest, with shorter skip and louder signals across the US and Canada. For those in Asia and Oceania who stayed with the contest through their Monday morning, they were rewarded with an excellent opening across the Pacific.

While any contester should focus on those parts of the world dense with amateur radio operators, rare DX supplies some of the needed multipliers, and fun for both sides of the QSO. The islands of the Atlantic were again a great location, with the Canary Islands not a rare mult (with 18 submitted logs), but well represented amongst top finishers.

A special shout-out to ZD7BG who reported large pileups, and difficulty copying reports with less-than-optimal conditions – despite that Gilbert had just two busts and two exchange errors from 899 QSOs. And although there were not that many Australian stations participating this time, conditions were excellent both days with good propagation into North America and Europe both days.

VJ2J (VK2CZ), operating phone only, reports that he had openings to Norway and Sweden at the same was hearing Brazilian stations long path. He worked US 48 states, missing just Montana and Rhode Island. And the author was surprised to find that another premier spot was Hong Kong, enjoying great openings to Japan and Europe, solid conditions into the West Coast of North America both mornings, and good long path openings to the east coast and the Caribbean. VR2XAN made 1,904 unique phone contacts, operating almost 32.8 hours out of the 48 available. As detailed below, VR2ZQZ as VR2T had a great finish running CW only, low power.



The stack of 6-element OWA Yagis at VJ2J [David Burger, VK2CZ photo]

The 10-Meter contest continues to draw in new radiosport activity as we approach sunspot maximum, as it is very accessible for newcomers, and a welcome contest to return to for those who have been away from contesting. And of course, with US Technician licensees having phone privileges, it opens up this contest to all amateur radio operators in the US.

It is not possible for me to pull reliable data about first-time participation in the 2023 iteration of the ARRL 10-Meter contest, but there are numerous soapbox comments noting this was their first contest ever, or at least first in many years.

This event comes at the end of a very full fall contest calendar, and most have busy December social commitments. But do remember to keep open the weekend of December 14th and 15th, 2024, for the next running of the ARRL 10-Meter contest. And fingers crossed conditions will be like 2011, 2002 or maybe 1990.

The number of confirmed QSOs was slightly higher than last year, and that is a sure sign of the continued popularity of this event. Most DX entities had a comparable number of submitted logs compared to last year, but one notable exception is the United States, which saw more than 10% fewer logs submitted in 2024 compared to 2023. This seems likely due to the lower-than-expected conditions, and possibly casual operators, making fewer QSOs, were not as inclined to submit their logs. One interesting trend in the soapbox comments reveals a surprising number of portable and mobile operations.

This is no doubt part of the explosion in Parks on the Air (POTA) interest, which is drawing more and more new hams into HF operating. These stations can be portable and participate in the ARRL 10-Meter Contest in the limited antenna overlay category, but it would be a fine thing if special encouragement could be given to those operations. It's not clear exactly how that would work for this contest, but it might be something to consider as testers ponder where the next generation of radiosport enthusiasts will come from.

This is a global contest, and this year 52.2% of the scored logs were from participants outside of W/VE/XE. In fact, log submissions were up compared to last year from most DX entities. For the DX locations, Japan again topped the list, with 351 submitted logs, followed by Germany (249), Brazil (207), European Russia (195), Spain (119), Italy (106), France (99), England (98), The Netherlands (94), Asiatic Russia (82), Ukraine (81), and both China and Indonesia had 78 submitted logs. There were 127 different DX entities that submitted logs. There were 2,492 logs submitted from the United States, 291 less than last year.

Canadian log submissions (213) and Mexican log submissions (43) were up over last year.

This ARRL 10-Meter Contest generates a lot of results! In addition to the 40 categories available (20 each for domestic and DX), there are division winners, continental winners, and this year for the first time, the Limited Antenna Overlay. As you look through the top ten results for the US, Canada, Mexico, and DX, note the diversity and variety of calls and locations. There are also tables with Division winners in each category, and we have overviews of the regional winners for domestic entries.



At OL5M's mountain location, Vojta managed to manually remove the frost from his 10M beam until it broke Sunday morning during the North American pileup [Vojtech Novotny, OK5GI, Photo]

Category Winners, New Records, and Other Accomplishments

Here are the overall worldwide category winners for 2023.

Single Operator, Mixed Mode, High Power	
LT3E (LU5WW, op)	2,516,568
Single Operator, Mixed Mode, Low Power	
VE3DZ	1,183,333
Single Operator, Mixed Mode, QRP	
NDØC	224,298
Single Operator, Phone Only, High Power	
ED8X (LU9ESD, op)	1,228,128
Single Operator, Phone Only, Low Power	
HK3EA	291,622
Single Operator, Phone Only, QRP	
PAØOT (PA2TMS, op)	35,376
Single Operator, CW Only, High Power	
ZF9CW	1,490,632

Single Operator, CW Only, Low Power	
K7SV	641,840
Single Operator, CW Only, QRP	
EA8RM	362,504
Single Operator Unlimited, Mixed Mode, High Power	
VL2A (VK2IM, op)	2,035,200
Single Operator Unlimited, Mixed Mode, Low Power	
K1BX	1,287,936
Single Operator Unlimited, Mixed Mode, QRP	
KA4RRU	171,556
Single Operator Unlimited, Phone Only, High Power	
TI1T (TI2CC, op)	958,070
Single Operator Unlimited, Phone Only, Low Power	
K2DRH	362,880
Single Operator Unlimited, Phone Only, QRP	
CO2QU	105,342
Single Operator Unlimited, CW Only, High Power	
W1KM	1,597,200
Single Operator Unlimited, CW Only, Low Power	
KG9X	709,836
Single Operator Unlimited, CW Only, QRP	
VE3VN	213,864
Multioperator, Single Transmitter, High power	
FY5KE	4,420,416
Multioperator, Single Transmitter, Low Power	
VP2VMM	2,626,564

LU5WW (this year signing LT3E) makes it four years in a row atop the Single Op, Mixed Mode, High Power category. Alex's score was 0.88% higher than last year. K2DRH repeated as Single Op Unlimited, Mixed Mode, Low Power winner, as did PA2TMS (as PA00T) in the Single Op, Phone, QRP category. TI2CC (as TI1T) narrowly edged fellow Costa Rican op, and last year's winner, TI5CDA to win the Single Op Unlimited, Phone, High Power category.

There is less geographic diversity amongst the winners than last year, with most coming from the eastern half of the North American continent, the Caribbean, or South America. There is one European winner, plus two from the Canary Islands. A special congratulations to VK2IM (as VL2A) in the Unlimited, Mixed Mode, High Power category, who narrowly edged out VE5MX (2,022,592 points) and last year's winner N8OO (with 2,020,416) in the category with the closest finish.

Winning scores are comparable to last year, although in one of the most popular categories, Single Op Unlimited, Mixed, High Power, the winning score is about 25% lower than in 2022. Some of this is likely due to the lack of E skip propagation, which led to lower scores in North America and Europe, while not significantly impacting the

scores of those in sub-tropical, tropical and southern hemisphere locales.

Nonetheless, of the possible 40 possible records for overall category winners, seven were broken. Notable is that all new records in 2023 were in the Unlimited or Multioperator categories. Many records from 2014, 2011 and 2002 still stand.

- K2DRH, in Illinois, took the W/VE/XE record in Single Operator Unlimited, Phone Only, Low Power category, with 362,880 points
- W1KM, using his station in Eastern Massachusetts, amassed a very impressive 1,597,200 points to take the W/VE/XE record for Single Operator Unlimited, CW Only, High Power
- KG9X, also from Illinois, totaled 709,836 points to take the W/VE/XE record for Single Operator Unlimited, CW Only, Low Power mode.
- The K1LZ team at Krassy's Maine superstation bested his own W/VE/XE record in Multioperator, High Power (set in 2011 from EMA), by amassing 3,812,688 points and claiming a new high score.
- TI2CC (as TI1T) made 958,070 points for a new DX record for Single Operator Unlimited, Phone Only, High Power.
- CO2QU now has the DX record for Single Operator Unlimited, Phone Only, QRP, with 105,342 points.
- And the team at VP2VMM made 2,626,564 points to just edge the 2011 score of TI5N to claim the DX record for Multioperator, Single Transmitter, Low Power.

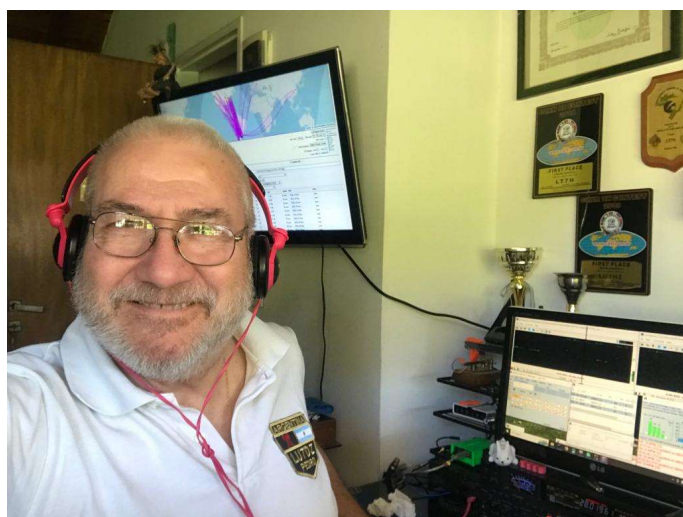
Congratulations to these new overall category record holders.

With just a few exceptions, most of the records in the unassisted category still hail from the last two sunset maximums. Conditions need to be just a little better perhaps, although it may also be that some of the serious competitors have drifted over to the Unlimited categories. Who will target the Single Op, Mixed Mode, High Power DX record set by N6TJ at ZD8Z (4,733,880 points from 2002) or the Single Op, Mixed Mode, High Power W/VE/XE record of 3,018,720 points set from New Hampshire by KM3T at KC1XX in 2011?

There were 49 new division records set in 2023, more than in 2022, with the bulk of them from the Unlimited Categories. An exception is the new Single Op, Mixed

Mode, High Power record for the Northwest division set by N6TR at K7RAT (1,753,092 points), besting a record that has stood since 2001. Each division (including Mexico and Canada) had at least one new record. But the geographical distribution tells its own story, with the divisions in the southeastern part of the US (Southeastern, West Gulf and Delta) managing just four new records. Many records were established from stations along the Atlantic coast and in the Midwest. There were a further 234 Section records established in 2023.

Amongst the DX entries, there were 16 new Continental records set, largely in the Unlimited categories. A special note to the team at TM6M for establishing a new European record in the Multioperator, Low Power category (at 1,315,880 points), and to VR2XAN, who grabbed the new Asia record for Single Op, Phone, High Power. Of the overall 20 DX records, eight still stand from 2014.



QRP Operator Pedro LU7DZ operating as LT7D during the ARRL 10 Meter Contest [Pedro Ernesto Colla, LU7DZ, photo]

Affiliated Club Competition

This year 1,221 (or 45.1%) of W/VE operators participated in the ARRL affiliated club competition, very similar to last year. It also means that more than half of W/VE participants are not part of an affiliated club. There were 72 clubs that had more than three entries. Many of the clubs at the top of the leaderboard are familiar names, although this year the clubs from the west dominated the top of the ranks.

In the local category, the six entries from The Villages Amateur Radio Club in Florida resulted in an aggregate score of 1,177,360, just ahead of the Iowa DX and Contest Club. The medium club category was the most popular, with 50 clubs participating. The 33 participants from the Arizona Outlaws Contest Club repeated as winner in this

category, well ahead of their competition. Notable is that the top four clubs in the medium category were all from west of the Mississippi River.

There was a very close finish between the top three in the Unlimited category, with the Northern California Contest Club just edging out the competition to take the gavel to the west coast. Their 26,019,032 points, from 90 entries, was just 0.38% more than the second-place finisher, the Yankee Clipper Contest Club. The Potomac Valley Radio Club was not far behind to take third place.

Affiliated Club Competition Scores		
Unlimited		
Club	Score	Entries
Northern California Contest Club	27,019,032	90
Yankee Clipper Contest Club	26,915,324	88
Potomac Valley Radio Club	26,277,376	129
Florida Contest Group	17,499,046	60
Frankford Radio Club	15,217,038	68
Society of Midwest Contesters	13,999,380	86
Minnesota Wireless Assn	12,153,094	88
Contest Club Ontario	9,258,820	52
Medium		
Club	Score	Entries
Arizona Outlaws Contest Club	11,248,654	33
Southern California Contest Club	6,266,216	38
Central Texas DX and Contest Club	4,946,200	14
Western Washington DX Club	4,644,900	21
Alabama Contest Group	4,452,050	11
Mad River Radio Club	4,385,844	14
Tennessee Contest Group	4,108,006	27
Willamette Valley DX Club	3,792,836	16
Kansas City Contest Club	3,544,114	10
Kentucky Contest Group	3,478,308	14
Saskatchewan Contest Club	2,993,272	6
South East Contest Club	2,788,748	22
Arkansas DX Assn	2,595,088	6
Grand Mesa Contesters of Colorado	2,214,314	25
Orca DX and Contest Club	2,115,778	12
Hudson Valley Contesters and DXers	1,986,302	19
Swamp Fox Contest Group	1,959,228	18
DFW Contest Group	1,597,954	21
Big Sky Contesters	1,536,804	6

Great Places Contest Club	1,326,352	6
Bay Area DXers	1,303,636	8
Deep Dixie Contest Club	1,296,312	3
Heartland DX Association	1,288,328	4
Texas DX Society	1,268,426	12
Niagara Frontier Radiosport	1,161,482	9
Radiosport Manitoba	1,064,586	5
Oklahoma DX Assn	945,478	4
Carolina DX Association	937,060	13
Northeast Maryland Amateur Radio Contest Soc.	831,996	8
Maritime Contest Club	822,068	4
North Coast Contesters	716,636	8
Spokane DX Association	515,510	10
Idaho Mountain Amateur Radio Society	493,238	5
South Jersey Radio Assn	399,682	5
Rochester (NY) DX Assn	396,160	6
Order of Boiled Owls of New York	286,508	4
Oklahoma City Autopatch Association	149,932	3
Valley Amateur Radio Association	124,026	4
Mother Lode DX/Contest Club	121,508	3
Silver Comet Amateur Radio Society	118,618	6
Pacific Northwest VHF Society	115,860	3
Fairlawn ARC	69,730	4
Lake Area Amateur Radio Klub	54,370	3
New Providence ARC	32,266	3
American Red Cross Emerg. Comm. Svc.	31,730	4
Portage County Amateur Radio Service	29,796	4
Sierra Nevada ARS	28,976	3
Driftless Zone Contesters	15,512	4
Big South Fork ARC	13,554	6
Motor City Radio Club	2,780	3
Local		
Club	Score	Entries
The Villages Amateur Radio Club	1,177,360	6
Iowa DX and Contest Club	1,173,296	3
CTRI Contest Group	638,960	7
Central Virginia Contest Club	346,588	4
Hampden County Radio Association	340,456	5
Metro DX Club	110,806	5
Hughes Amateur Radio Club	82,754	4

Cape Fear ARS	66,240	4
Sterling Park ARC	60,206	5
OH-KY-IN ARS	58,564	3
Seneca Radio Club	36,486	4
Athens County ARA	35,118	3
Hazel Park ARC	25,768	4
Alexandria Radio Club	16,838	3

Competition Highlights

United States

There were 2,492 logs submitted for scoring from the United States. Good scores were available from pretty much every corner of the United States. There were 33 single operator stations scoring more than one million points, just one less than last year. And there were twelve multioperator stations with more than one million points. These seven-digit scores came from all over the country, representing east, south, and west almost equally. Stations in the Great Lakes area made it past that benchmark, although there are no stations from the Upper Midwest in the seven digits.

N5DX in Eastern New York amassed 2,724 QSOs and 280 multipliers to win the Single Operator, Mixed Mode, High Power category with 2,363,200 points. The top ten in that category is split nearly equally between east and west coasts, and includes operations from Nebraska, Minnesota and North Florida. N8II in West Virginia surpassed the million-point mark to win the Single Operator, Mixed Mode, Low Power category.

In assisted categories, N8OO in Louisiana repeated as the US winner in the Single Operator Unlimited, Mixed Mode, High Power category. His score was well ahead of his immediate competition (N7MH at W6YX), but Vic's 2,020,416 points was more than 25% below his winning score of 2022. The Single Operator Unlimited, Mixed Mode, Low Power competition was a tight race between winner K1BX in New Hampshire (1,287,936 points) and KB3WD (1,253,276 points), operating from Maryland.

As always there was very strong competition in the Single Operator, CW Only, High Power category, which this year was won by K1TO (1,294,800), operating from West Central Florida, closely followed by K5PI in South Texas, and NN7CW in North Florida. In the Single Operator, CW Only, Low Power category, K7SV in northern Virginia topped his competition with 641,840 points. Special mention here of KH6CJJ (6th place) and KL7AC (7th

place) for their excellent finishes from beyond the lower 48, running low power.

W1KM, in Eastern Massachusetts, took top honors in the popular Single Operator Unlimited, CW Only, High Power category, edging AA3B in Eastern Pennsylvania. Seven of the 213 entries in this category surpassed 1,000,000 points. In the Single Operator Unlimited, CW Only, Low Power category, it was KG9X who came out on top with 709,836 points, well ahead of others in the category. And in the process, Fred picked up his domestic record, adding to his still-standing record in Single Operator, Mixed Mode, QRP, set in 2001.

In the phone categories, it was WM5R (at K5TR) who won the Single Operator, Phone Only, High Power category, operating from South Texas. WZ8T took on the challenge of Single Operator, Phone Only, Low Power, to come out ahead of the competition from his station in Western Massachusetts.



Moonrise at dawn over the Texas Hill Country station of K5TR [Ken Harker, WM5R, Photo]

In the Single Operator Unlimited, Phone Only, High Power category, K3EST came out on top with 691,824 points. And on the way to a new domestic record, K2DRH also won the Single Operator Unlimited, Phone Only, Low Power.

There were good QRP scores available, although with signal strengths down, scores were generally lower than last year. NDØC however bucked the trend, and in repeating as Single Operator, Mixed Mode, QRP winner, his score from Minnesota was more than 50% higher than in 2023.

In the Single Operator, CW Only, QRP category, W1FJ amassed 178,164 points from Eastern Massachusetts, just ahead of W6JTI in San Francisco Division. AB2IW won the Single Operator, Phone Only, QRP category. Amongst the assisted operators, KA4RRU took top honors in the Single Operator Unlimited, Mixed Mode, QRP category. NZ3D won the Single Operator Unlimited, CW Only, QRP category, and N8MWK topped the Single Operator Unlimited, Phone Only, QRP category.

Canada and Mexico

The Canadian operators had longer openings, and higher scores, than last year, and VE7EMI reported that it was “the best conditions in years.” K6LA at his Prince Edward Island VY2TT station had a great weekend and won the Single Operator, Mixed Mode, High Power category, with 2,319,912 points. VE3AT, operating much 800 miles to the west in the Toronto area, was a strong second with 1,789,488 points. In the Single Operator, Mixed Mode, Low Power, VE3DZ amassed 1,183,888 for the first-place finish.

The Canadian Prairies also turned in several top performances. VE5MX repeated as winner in the Single Operator Unlimited, Mixed Mode, High Power category, with 2,022,592 points, almost 25% more than last year. VE6BBP, at VE6WP, reached 653,556 points, to win the Single Operator, CW Only, High Power category. VE5UF was atop the Single Operator, CW Only, Low Power category, VA5DX won the Single Operator, Phone Only, High Power category (319,774 points), and VE5KS came out on top in the Single Operator Unlimited, Phone Only, Low Power category. In the popular and competitive Single Operator Unlimited, High Power, CW Only category, the top competitor was VE7ZO from the British Columbia station.

There were 43 entries from Mexico, a marked increase compared to 2022. They represented 21 different multipliers, more than 2/3rd of those available. XE2X made 2,387 contacts (and 1,564,400 points) to top the Single Operator, Mixed Mode, High Power category. XE1YL won the Single Operator, Phone Only, Low Power category. Paty made 986 contacts and 92 multipliers (and reached 176,456 points) from her Puebla station. XE2JS was atop the Single Operator Unlimited, Phone Only, Low Power category. XE1L used the 4A7L

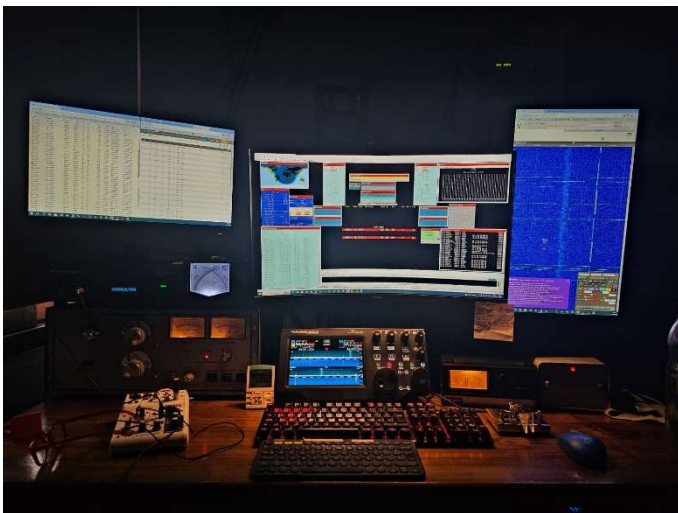
call to win the Single Operator Unlimited, Mixed Mode, Low Power category.

DX

LU5WW made it four times in a row atop the Single Operator, Mixed Mode, High Power category, this time as LT3E. This category's top ten has operations from five continents, with only North America and Antarctica not represented. In the Single Operator, Mixed Mode, Low Power category was won by PY2NY – with stations from Europe, Japan, the Caribbean, the Canary Islands, and South America rounding out the top ten.

A special congratulations to UN6LN's 9th place finish (using the UP7L contest call) from his central Asian location. VK2IM (as VL2A) topped the Single Operator Unlimited, Mixed Mode, High Power category (with 2,035,020 points), well ahead of NP2X, CE2LR, and EA7X, all of whom had around 1.5 million points. And PY2EX won the Single Operator Unlimited, Mixed Mode, Low Power category.

The Single Operator, CW Only, High Power category was won by ZF9CW, scoring 1,490,632 points. In this category, every continent (except Antarctica) is represented in the top ten. VR2T (VR2ZQZ,op) won the Single Operator, CW Only, Low Power category, beating out TI2OY. LU3MG was atop the Single Operator Unlimited, CW Only, High Power category, and fellow Argentinian LW5HR won the Single Operator Unlimited, CW Only, Low Power category.



LU3MG's very tidy station, which Seba used to win the DX category of Single Operator Unlimited, CW Only, High Power [Sebastian Galeazzi, LU3MG, Photo]

LU9SED took the controls of ED8X to top the Single Operator, Phone Only, High Power category. HK3EA won the Single Operator, Phone Only, Low Power

category. In this category only one station in the top ten (fifth place finisher EI4KU) was not from North or South America. There was a fierce competition between two Costa Rican ops in the Single Operator Unlimited, Phone Only, High Power category, with TI1T (TI2CC, op) edging TI1K (TI5CDA, op). In the Single Operator Unlimited, Phone Only, Low Power category, PP5RT (using ZZ5K) won with 283,392 points. Seven of the top ten stations in this category were from Brazil.

There were winning QRP from across the world, but with European operators taking many of the top spots. UA6AK won the Single Operator, Mixed Mode, QRP category. EA8RM took top honors in the Single Operator, CW Only, QRP category, with a very strong 262,504 points. Single Operator, Phone Only, QRP category was again won by PA2TMS from his Texel Island location, this time using the unusual call PAØ0T. Single Operator Unlimited, Mixed Mode, QRP was topped by EA3O, and LT7D won the Single Operator Unlimited, CW Only, QRP category. And CO2QU set a new DX record in winning the Single Operator Unlimited, Phone Only, QRP category.

The team of FY5KE repeated as the winner in the Multioperator, High Power category, but 196,072 points short of last year's record year (which was 4,616,488 points). There were numerous serious high power multioperator efforts, with high scores earned across South and North America. The Multioperator, Low Power category was won by the record setting effort at VP2VMM. Their 2,626,564 points just edged out the previous record of 2,565,348 points set by the TI5N crew in 2011.

Continental Highlights

Across the 15 categories with North American operations from outside of W/VE/XE, five were topped by Costa Rican stations. Caribbean stations were successful as well. In addition to VP2VMM's record performance, and ZF9CW overall winning entry in CW only, high power, there were strong efforts from Puerto Rico and the US Virgin Islands. Operators from Cuba dominated the QRP ranks, and the Las Tunas Contest Crew at T48K topped the Multioperator, High Power category for North American stations.

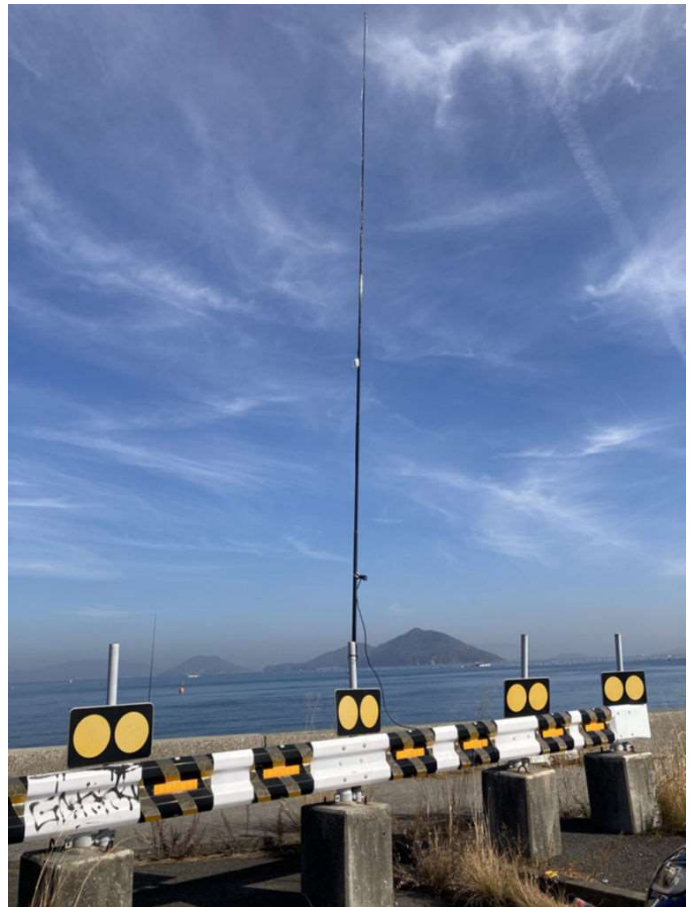
There were 352 entries from South America, eleven more than last year, with most coming from Brazil (207). And of the 19 categories with entries (only QRP phone is not represented), nine winners were from Brazil and seven from Argentina. In addition to the top performance from LT3E, HK3EA, and FY5KE, there were outstanding scores in all the disciplines. CE2LR was the top South

American entry in Single Operator Unlimited, Mixed Mode, High Power, with 1,490,090 points.

There were 1,726 logs submitted from across Europe, about 4% more than last year. There was little or no E skip, and even the big guns in Europe had trouble amassing European multipliers, even on CW backscatter. There were sustained openings to Asia, North America, and South America both days, even from more northern locations in Europe. Sunday morning finally brought a good opening to North America, allowing many to work into California and the Pacific Northwest. There were great scores from across the continent; five of the 20 categories had Iberian stations on top, but there were continental winners from Italy, the Balkans, Ukraine, the British Isles, Western Europe, and Russia.

Africa again submitted a modest number of logs (36, six more than last year), but punched above their weight, with excellent scores from all over the continent. The Canary Islands multiplier was well represented (with 18 entries) and LU9ESD used the ED8X station to take the overall win in the Single Operator, Phone Only, High Power category. V51WH returned as V55Y to make 1,640 phone contacts and 519,294 points to top the Single Operator Unlimited, Phone Only, High Power category for Africa. The team of FR8TZ and FR8UA used TOØGL to amass 748 contacts and 444,470 points as low power multiop station. 5Z4VJ made 1,270 QSOs and scored 612,744 points in his high-power unassisted CW only bid.

There was an increase in interest from Asian 10M operators, with 598 logs submitted, 351 of which came from Japan. East Asian stations had great propagation into Europe, and decent conditions prevailed in working North America, even into the east coast. JA1BJI, the Single Operator, Mixed Mode, Low Power winner (with 399,012 points), found most US multipliers, including Virginia and New York, but not Pennsylvania, Massachusetts, or Maine. There were long-path openings both days from China and Hong Kong, but as ... pointed out, many stations in the Caribbean and east coast of North America missed it because their antennas were pointed towards Europe. Amongst the outstanding achievements was RA1A at BD7MM who topped Asian operations in the Single Operator, CW Only, High Power category, with 984,960 points. JS1OYN won the Single Operator, Mixed Mode, High Power category, and JH4UTP amassed 578,688 points to win the Single Operator Unlimited, Mixed Mode, High Power category.



JA5EXN operates contests while portable, this time mounting his 5/8 wavelength vertical at the sea [Takayasu Yoshida, JA5EXN, Photo]

Oceania turned in 145 logs, comparable to last year, with great activity from Indonesia (78 logs), Australia (29 logs), and the Philippines (23 logs). The record setting performance from VL2A (VK2IM, op) has already been mentioned. ZL3CW was the top Single Operator, Mixed Mode, High Power operator from Oceania, with 671,840 points, and ZL1IF topped the category of Single Operator, CW Only, High Power, collecting 480,476 points.



Deep, VU3YDA concentrating on sending from his straight key in what was his first CW contest [Abhrajit Das, VU3YDA, Photo]

W0CN – from Minnesota! – who made 171,108 points to post the best limited antenna overlay score in the Single Operator, Phone Only, High Power category.

Limited Antenna Overlay Scores- US

Single Operator, CW Only, High Power

Limited Antennas

KH7X	495,624
WA2VYA	428,220
AI5IN	340,928
K5TA	334,320
NN4SS	280,256
KN7Y	240,700
N2JJ	184,392
K6XT	135,000
KK4R	104,904
W7UT	91,732

Limited Antenna Overlay

This was the first year of the 10-Meter contest with the Limited Antenna Overlay. This is a new overlay for all single operator categories, in all the ARRL contests. 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. For the 10-Meter contest, where a simple but effective wire antenna do not need to take up much space or by installed at great height, this overlay opens up competition to those without a beam. And as a glance at the results shows, with a largely distinct set of calls making up the top tiers in the limited antenna overlay, compared with the non-overlay finishers.

There are many familiar calls in the mix, but these lists are quite distinct from the non-overlay winners. In the domestic operation, CW was the preferred mode, with high rates and scores possible. The Single Operator, CW Only, High Power category was very competitive, with KH7X in Arizona beating VE9AA in New Brunswick and WA2YVA in South Texas. NE8P in North Florida was atop the Single Operator Unlimited, CW Only, High Power category. W2UP in Colorado managed a very impressive 334,152 points in the Single Operator Unlimited, CW Only, Low Power category.

W3US had the highest domestic score in the Limited Antenna Overlay, scoring 834,860 from North Florida, to win the overlay for Single Operator Unlimited, Mixed Mode, High Power. K4BAI in Georgia was atop the unassisted version of that category, on the strength of 759 QSOs and 453,936 points. The top phone entry was

Single Operator, CW Only, Low Power

Limited Antennas

N1IX	175,616
KM9R	171,912
WB8JUI	159,856
W7TMT	158,720
KB9S	148,944
KØMF	147,740
NUØQ	141,312
N6PN	112,640
NN5T	108,580
WØTG	108,192

Single Operator, CW Only, QRP

Limited Antennas

K7FR	104,488
N7RCS	99,384
N2JNR	48,312
N8AP	46,080
AA7EE	41,528
K6RM	23,400
AJ6UV	20,880
KQ1P	18,236
K4WY	12,696
K3WWP	11,968

Single Operator, Mixed Mode, High Power**Limited Antennas**

K4BAI	453,936
N2NC	320,048
NG7A	306,504
K7JQ	263,340
KN1M	135,072
N7DSX	63,168
N4LZ	58,800
N7AGP	58,464
W1BQ	53,256
W5KI	37,376

Single Operator, Mixed Mode, Low Power**Limited Antennas**

K8MR	341,802
WØIZ	330,336
N4OO	268,272
KFØUR	178,200
N1SP	118,584
KB9DFE	101,192
K9JF	99,696
ADØRW	91,332
KA2FIR	89,540
K3YDX	77,066

Single Operator, Mixed Mode, QRP**Limited Antennas**

WB2AMU	53,890
KE6K	34,776
WU2M	28,730
NØJK	18,124
NØLMQ	16,942
AF9J	16,892
N3CI	11,696
AC5M	5,040
NØKIS	3,920
KØRJK	3,068

Single Operator, Phone Only, High Power**Limited Antennas**

WØCN	171,108
WBØYYE	62,992
K6RE	56,256
NUØC	55,936
WD5CAY	55,720

N3MWQ	32,800
WB6MMQ	16,284
N7GND	14,194
KK4PJ	13,160
KC3RKW	12,444

Single Operator, Phone Only, Low Power**Limited Antennas**

WØSJE	104,780
WA2GOT	44,370
KC1QEM	40,172
N3GB	36,150
N6REK	30,756
KC7HF	29,568
N7WLC	26,398
W7TNY	25,480
W9TCV	25,344
KE8KT	24,282

Single Operator, Phone Only, QRP**Limited Antennas**

K9JK	16,800
KG5IQU	3,648
K9XB	880
K9PZ	720
KG5YPK	546
KT2G	400
NA4O	80

Single Operator Unlimited, CW Only, High Power**Limited Antennas**

NE8P	450,984
W7ZR	406,864
N5TJ	305,100
W4PM	264,264
NB1N	256,272
K2SX	230,460
K5NZ	210,816
K3WT	194,324
N5XZ	172,216
K4RUM	138,320

Single Operator Unlimited, CW Only, Low Power**Limited Antennas**

W2UP	334,152
AA2IL	141,300

K9WX	119,568
WU6P	114,300
KYØQ	98,400
N2WK	97,920
KØTI	85,272
W9TD	73,164
N8KOM	67,680
N9TF	65,664

Single Operator Unlimited, CW Only, QRP

Limited Antennas

AB9BZ	4,320
AC2YD	23,296
AI1TT	50,400
KI5YGT	320
KKØU	19,780
KO1H	55,476
KR4AE	12,464
N6MA	20,240
NZ3D	184,688

Single Operator Unlimited, Mixed Mode, High Power

Limited Antennas

W3US	834,860
K7XH	695,640
KI9A	417,240
K2WK	341,760
W6SX	335,622
AB2E	278,520
NF3R	270,864
WA4JUK	238,280
WA8MCD	237,320
WN6W	190,260

Single Operator Unlimited, Mixed Mode, Low Power

Limited Antennas

KB1EFS	511,680
K7BG	320,016
K9PW	272,160
KG1V	247,968
WA2JQK	212,814
N1IBM	197,730
N6DE	196,504
W4IDX	148,104

NR4O	138,448
K4IU	130,146

Single Operator Unlimited, Mixed Mode, QRP

Limited Antennas

WC7S	76,704
W3EK	13,356
K8ZT	1,254

Single Operator Unlimited, Phone Only, High Power

Limited Antennas

W9KEY	89,162
N1ROZ	81,984
N5GI	51,304
K4QQG	49,128
W3FR	46,784
K9SJP	23,140
KK4ADQ	19,880
NN2D	19,152
AB5KM	18,744
N7PHY	14,758

Single Operator Unlimited, Phone Only, Low Power

Limited Antennas

N7MZW	110,084
KFØIDT	57,188
KAØWWT	57,186
W6MX	48,692
KG4YVK	35,358
K5MWA	25,440
W8RKW	21,672
K4SBZ	17,934
KD2JOE	14,994
AD4GG	14,896

Single Operator Unlimited, Phone Only, QRP

Limited Antennas

WA3FRP	2
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Limited Antenna Overlay Scores - Canada

Single Operator, CW Only, High Power

Limited Antennas

VE9AA	479,644
VE1GN	78,000
VA7RN	66,880

Single Operator, CW Only, Low Power

Limited Antennas

VE5GC	166,584
VE7JKZ	116,960
VA3FN	74,888
VE3MA	70,148
VE7UBA	33,000
VE3QO	24,000
VA3RKM	11,520
VY2DP	3,744
VE3VC	528
VE7AB	280

Single Operator, CW Only, QRP

Limited Antennas

VE3KJQ	4,876
VE3RSA	3,280

Single Operator, Mixed Mode, High Power

Limited Antennas

VE3PCP	25,960
VE3SST	20,020

Single Operator, Mixed Mode, Low Power

Limited Antennas

VO2LAB	201,390
VE3FH	87,870
VE3KOT	58,176
VA7ZM	8,832
VA3OGG	3,696
VE3EDE	2,520
VA4JP	666

Single Operator, Mixed Mode, QRP

Limited Antennas

VE9QR	14,720
VA2NW	400

Single Operator, Phone Only, High Power

Limited Antennas

VE2PIJ	60
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Single Operator, Phone Only, Low Power

Limited Antennas

VE9CZ	36,120
VE9SRC	23,460
VE2YG	9,810
VE3UZX	9,108
VE7CLX	8,200
VE4WAT	5,432
VA6AGR	3,162
VA3TSS	3,060
VE5WD	1,924
VE3HZR	1,850
VE1TW	1,680
VE2GT	330
VY1IRM	286
VA3WAV	18
VA7VF	8

Single Operator Unlimited, CW Only, High Power

Limited Antennas

VE3JZT	3,552
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Single Operator Unlimited, CW Only, Low Power

Limited Antennas

VA4ADM	117,600
VE3MGY	40,880
VE6VS	33,048
VE6LB	27,440
VE2QV	24,408
VA7KBM	12,240
VA3RSA	8,640

Single Operator Unlimited, Mixed Mode, High Power

Limited Antennas

VA1MM	488,904
VE1ZAC	43,844

Single Operator Unlimited, Mixed Mode, Low Power Limited Antennas	
VE3VY	196,500
VE3HZ	39,888
VE3KTB	30,756
VA3OOL	15,660
VA2VT	10,332
VE2HEW	8,118

Single Operator Unlimited, Phone Only, High Power Limited Antennas	
VE3LDE	468

Single Operator Unlimited, Phone Only, Low Power Limited Antennas	
VA3IDD	38,240
VE3RGO	20,212
VY2AN	12,880
VA3PMH	6,630
VE7YAH	4

Limited Antenna Overlay Scores – Mexico

Single Operator, CW Only, Low Power Limited Antennas	
XE1AQY	51,072
XE1RE	11,760

Single Operator, Phone Only, High Power Limited Antennas	
XE1CKJ	13,230

Single Operator, CW Only, Low Power Limited Antennas	
XE2F	30,380
XE1AY	1,344

Limited Antenna Overlay Scores- DX

Single Operator, CW Only, High Power Limited Antennas	
HK1MW	445,408
G4FKA	202,032

RU9AD	155,220
LT4A	120,576
BD4QB	119,804
9H1CG	93,600
GM2Y	61,104
UT2UB	50,508
RA9YE	40,320
G4HZV	40,040

Single Operator, CW Only, Low Power Limited Antennas	
TI5/VA3RA	310,464
J35X	255,600
R7KW	137,416
LZ1FH	127,800
DL9ZP	126,224
G1G	123,648
6Y6N	112,184
EA/PA5JF	105,456
G4ARI	88,416
UR4L	63,784

Single Operator, CW Only, QRP Limited Antennas	
ZS2M	64,740
JQ1NGT	56,000
NH6O	45,632
M7R	41,340
JR1NKN	27,864
EA4HWT	21,384
UX8IX	19,968
ZL3TE	14,352
RV3DBK	8,736
EA4U	3,300

Single Operator, Mixed Mode, High Power Limited Antennas	
CQ3J	429,680
RA7A	245,920
OK1OA	102,934
YO3APJ	43,200
DL2LDE	38,640
JQ1CIV	37,180
G4BUO	27,084
HB9HTY	20,400
LZ1ZF	16,100

R7GU	11,084	LT1K	15,912
Single Operator, Mixed Mode, Low Power Limited Antennas		PU2NEZ	14,478
NP4TT	754,208	PY2SAA	14,456
EA8BQM	263,160	Single Operator, Phone Only, QRP Limited Antennas	
LZ8A	107,502	PY2BN	31,008
UA6GO	86,224	PY6GOE	12,950
DL2SBY	84,444	SP3MKL	2,352
YV8AD	76,950	R9FDS	2,040
UA4HBM	58,080	G4Y	1,904
UR5UJ	50,850	JH3DMQ	1,520
R1IV	46,746	US1EA	1,312
UW5IM	39,680	IU4QTF	750
Single Operator, Mixed Mode, QRP Limited Antennas		M0DZB	672
GW9T	28,512	PU4BOT	252
UT5EOX	24,640	Single Operator Unlimited, CW Only, High Power Limited Antennas	
RW3AI	13,370	G4IYY	215,340
7L1DST	2,596	G3P	185,024
IK3XTY	722	F6IIT	138,204
LB3HC	112	ED2A	111,680
Single Operator, Phone Only, High Power Limited Antennas		DK2GZ	100,828
TA3DE	105,786	M2O	85,936
RM8A	105,156	HG5E	72,252
R3RZ	88,976	SJ6R	68,880
MØMCV	24,780	RX3RZ	63,744
PY2ZZ	24,304	IK2SND	63,300
DC1OA	9,024	Single Operator Unlimited, CW Only, Low Power Limited Antennas	
F4IYB	4,880	ZS6WN	352,272
JG2REJ	4,160	RA6MQ	123,872
JA9CCG	3,712	MM2T	99,484
DB5SM	3,186	4Z4KX	90,504
Single Operator, Phone Only, Low Power Limited Antennas		OK4RQ	82,984
PJ7PL	207,854	SM6F	73,272
CX2TQ	122,100	EA4M	60,672
PY2RE	120,554	4Z5LA	51,948
HI7SB	78,648	OZ7BQ	49,932
9Z4CT	28,832	G4MKR	48,144
CE1LZR	17,202	Single Operator Unlimited, CW Only, QRP Limited Antennas	
CA2PJP	15,912	G4ZFE	53,192
		E70Y	30,392

PA0RDT	26,928
G4BUE	25,872
GW4W	14,760
UA4FCO	4,896
HB9RB	3,772
DK3UW	2,320
LC2W	2,288
BI3AC	4

Single Operator Unlimited, Mixed Mode, High Power

Limited Antennas

HS5NMF	277,264
G2E	244,224
ZS1C	169,050
PA4Y	153,748
RX9WN	147,022
GW9J	133,170
F6EZV	82,948
RK8I	69,290
S53K	50,880
UA1ANA	41,712

Single Operator Unlimited, Mixed Mode, Low Power

Limited Antennas

PU2UAF	184,544
UN4PG	140,976
PY1AX	131,320
9A5CW	81,984
G3WW	77,280
JA8RWU	67,360
JS6RRR	66,248
4X1ST	55,936
BA4TB	48,510
E74O	41,554

Single Operator Unlimited, Mixed Mode, QRP

Limited Antennas

GW9T	28,512
UT5EOX	24,640
RW3AI	13,370
7L1DST	2,596
IK3XTY	722
LB3HC	112

Single Operator Unlimited, Phone Only, High Power

Limited Antennas

YTØW	89,022
ZW2A	85,722
OA4DAG	73,600
RW3DU	46,784
PY5DC	44,856
I2OLV	28,392
EA1FDJ	28,268
EF2O	17,052
PA1BK	12,852
PY2NZ	9,752

Single Operator Unlimited, Phone Only, Low Power

Limited Antennas

PY2HT	170,236
TI1Z	54,708
CT2IMG	45,264
PU2MZI	33,034
YO6XK	24,700
PY6BK	20,350
EC8AQQ	13,668
EW1TZ	13,066
UA4FDK	12,104
CT1FOQ	9,300

Single Operator Unlimited, Phone Only, QRP

Limited Antennas

KP4PUA	22,784
HB9GSR	1,156
YC1CMZ	54
LA1TPA	20

Top Ten Scores

United States

Single Operator, Mixed Mode, High Power

N5DX	2,363,200
K7RAT (N6TR, op)	1,753,092
K7RL	1,715,280
K6XX	1,671,096
K5ZD	1,321,440
N4OX	1,148,070
AB3CX	1,051,560
NR7T	995,880
KTØK	978,000
NØAT	926,060

Single Operator, Mixed Mode, Low Power

N8II	1,029,600
KU2M	877,282
WA7NB	864,878
N1UR	849,444
K2PS	680,316
ACØW	478,848
NU6S	466,966
N5JJ	465,740
K8MR	341,802
WØIZ	330,336

Single Operator, Mixed Mode, QRP

NDØC	224,298
WA3LXD	121,250
N6AN	78,840
N4ELM	75,834
K2GMY	58,968
WA6FGV	57,392
WB2AMU	53,890
KE6K	34,776
WU2M	28,730
KO4DN	27,676

Single Operator, Phone Only, High Power

K5TR (WM5R, op)	711,180
WJØW (KH6XX, op)	481,200
K1FMS	395,568
N1PGA	332,540
N7MGW	299,728
W1SJ	286,984
AF1T	253,920

AD5XD	216,918
WØSD (KTØW, op)	214,800
KØSIX	208,692

Single Operator, Phone Only, Low Power

WZ8T	162,488
N5YIZ	114,408
WØSJE	104,780
KK7AC	78,608
KH6/WØZB	78,474
NØXT	70,824
AB1F	67,940
W6SAN	45,730
NC8R	45,258
WA2GOT	44,370

Single Operator, Phone Only, QRP

AB2IW	25,480
W6QU (W8QZA, op)	19,200
WWØWB	19,096
K9JK	16,800
NT7S	9,374
WN1C	8,736
N7SVI	4,690
NF2L	4,488
KG5IQU	3,648
KS4GW	1,664

Single Operator, CW Only, High Power

K1TO	1,294,800
K5PI	1,136,240
NN7CW	1,012,380
N4OGW	942,576
K2SSS	833,784
W6PH	728,768
N4XD	713,880
WDØT	675,024
N2PP	637,732
NA8V	605,280

Single Operator, CW Only, Low Power

K7SV	641,840
K1TR	533,736
N4AO (WC4E, op)	518,364
WJ9B	484,832
K1VUT	482,080
KH6CJJ	478,400
KL7AC	375,560

WB4TDH	356,224
W1QK	332,328
KH6AQ	331,256

Single Operator, CW Only, QRP

W1FJ	178,164
W6JTI	163,400
K7FR	104,488
N7RCS	99,384
K2NV	96,432
K2YAZ	90,816
NQ2W	57,960
W7USA	52,800
N5EE	48,620
N2JNR	48,312

Single Operator Unlimited, Mixed Mode, High Power

N8OO	2,020,416
W6YX (N7MH, op)	1,786,428
K3MM	1,775,900
K6LL	1,775,130
K4AB	1,650,250
N6WM	1,498,538
WC6H	1,471,628
KL7SB	1,450,764
W8MJ	1,324,400
WO4O	1,265,298

Single Operator Unlimited, Mixed Mode, Low Power

K1BX	1,287,936
KB3WD	1,253,276
K9OM	758,160
K1HTV	672,798
W9XT	568,544
KB1EFS	511,680
N7IR	389,244
KØKX	326,160
K7BG	320,016
K6GHA	296,884

Single Operator Unlimited, Mixed Mode, QRP

KA4RRU	171,556
WQ6X	117,626
WC7S	76,704
W3EK	13,356
K2YG	8,554
K8ZT	1,254

Single Operator Unlimited, Phone Only, High Power

K3EST	691,824
WT1A	556,200
W5PR	488,244
KA1ZD	427,968
N2NT (KI7WX, op)	386,958
WA2BOT	374,836
WV4P	303,840
AA7VR	280,720
W7BJN	223,236
W5LO	219,964

Single Operator Unlimited, Phone Only, Low Power

K2DRH	362,880
NN4TT	126,240
N7MZW	110,084
N9TGR	101,840
WA2QAU	60,060
KFØIDT	57,188
KAØWWT	57,186
KB7HDX	56,560
W6MX	48,692
AC9TO	43,200

Single Operator Unlimited, Phone Only, QRP

N8MWK	8,900
WA3FRP	2

Single Operator Unlimited, CW Only, High Power

W1KM	1,597,200
AA3B	1,386,320
K1KI	1,264,228
N9NC	1,198,484
N5RZ	1,110,700
K2XR	1,085,400
K1MM	1,063,888
K9CT	957,744
K4EA	858,452
N6SS	847,384

Single Operator Unlimited, CW Only, Low Power

KG9X	709,836
K6WSC	456,008
N2YO	454,812
KØXF	418,192
KR2AA	391,668
WA1FCN	339,948

W2UP	334,152	VO1CH	177,600
W7CXX (WA7LNW, op)	333,632	VA7XU	35,532
KI1G	269,072	VE3PCP	25,960
N4IJ	258,332	VE3TAZ	21,546
		VE3SST	20,020

Single Operator Unlimited, CW Only, QRP

NZ3D	184,688
K3TW	110,520
N6RO	81,600
K6JS	71,120
KO1H	55,476
AI1TT	50,400
AC2YD	23,296
N5YT	22,800
N6MA	20,240
KKØU	19,780

Multioperator, Single Transmitter, High Power

K1LZ	3,812,688
NX5M	2,189,296
N4RV	2,155,852
N4SS	1,955,668
K9RS	1,860,480
KY7M	1,674,098
K6EZ	1,635,660
NX6T	1,539,468
K3AJ	1,204,416
W7RN	1,116,612

Multioperator, Single Transmitter, Low Power

WW4LL	624,732
NC1CC	614,482
KT4XA	491,104
W3ZGD	456,624
W7TVC	431,000
WA1F	427,912
W9KM	381,100
K6EI	328,934
W1FM	312,044
K7NXL	309,342

Canada

Single Operator, Mixed Mode, High Power

VY2TT (K6LA, op)	2,319,912
VE3AT	1,789,488
VE6UM	697,824
VE4VT	298,132

Single Operator, Mixed Mode, Low Power

VE3DZ	1,183,888
VO2LAB	201,390
VA6RCN	126,896
VE3FH	87,870
VY2LI	59,760
VE3KOT	58,176
VE3OIL	56,966
VE1JS	46,632
VE2OWL	13,566
VA7ZM	8,832

Single Operator, Mixed Mode, QRP

VE9QR	14,720
VA2NW	400

Single Operator, Phone Only, High Power

VA5DX	319,774
VE2HTC	87,768
VE3YZ	67,704
VE3LRL	51,568
VA6MA	31,722
VE3YV	10,800
VE6CA	5,580
VE3MT	4,488
VA3MW	1,776
VE2PIJ (VE2GT, op)	60

Single Operator, Phone Only, Low Power

VE3RVZ	66,000
VE2HIT	52,722
VE9CZ	36,120
VE2IAA	32,890
VE9SRC	23,460
VE7GDE	22,236
VE3KMQ	20,252
VA4HZ	19,796
VE7CUP	16,240
VE7EMI	13,104

Single Operator, Phone Only, QRP

VA2IW	6,510	VE7AX	42,450
VA3RTG	5,928	VE3HZ	39,888
		VE3KTB	30,756
Single Operator, CW Only, High Power		VA3OOL	15,660
VE6WP (VE6BBP, op)	653,556	VE3ETE	11,844
VE9AA	479,644	VA2VT	10,332
VA3AR	404,976		
VE7WO	319,228	Single Operator Unlimited, Phone Only, High Power	
VA7MM	150,416	VO1KVT	211,582
VA7ST	150,144	VE6FI (VE6AQ, op)	187,200
VE3KP	148,896	VA7TU	141,930
VA7OM	147,108	VE3PTA	31,652
VA7MG	121,660	VE3LDE	468
VE1GN	78,000		
		Single Operator Unlimited, Phone Only, Low Power	
Single Operator, CW Only, Low Power		VE5KS	127,840
VE5UF	256,432	VA3IDD	38,240
VE5GC	166,584	VE7DX	20,460
VA3FF	160,380	VE3RGO	20,212
VE9KK	143,856	VE3IDT	18,176
VE7JKZ	116,960	VY2AN	12,880
VE7CA	76,664	VA3UG	7,790
VA3FN	74,888	VA2SCJ	7,740
VE3MA	70,148	VA3PMH	6,630
VE4DL	69,192	VE7CMI	884
VE3TM	68,000		
		Single Operator Unlimited, Phone Only, QRP	
Single Operator, CW Only, QRP		VE3BFU	2,914
VE3KJQ	4,876		
VE3RSA	3,280	Single Operator Unlimited, CW Only, High Power	
		VE7ZO	763,504
Single Operator Unlimited, Mixed Mode, High Power		VE6WQ	666,216
VE5MX	2,022,592	VE3JM	392,616
VA3DF	796,172	VE3EY	285,456
VA7DX	778,140	VE6KC	147,220
VE3EJ	695,024	VA3TNM	146,916
VE4GV	676,800	VE7XF	124,956
VE3YT	558,010	VA3CW	120,668
VA1MM	488,904	VA3FH	96,096
VE5ZX	387,368	VE3MM	61,500
VE3RZ	315,462		
VA2EBI	302,250	Single Operator Unlimited, CW Only, Low Power	
		VA2WA	548,192
Single Operator Unlimited, Mixed Mode, Low Power		VE5SF	417,900
VE3GFN	207,350	VE1ANU	167,056
VE3VY	196,500	VE9VIC	117,720
VE3MV	159,162	VA4ADM	117,600
VA3EON	55,944		

VE2FK	101,388
VE3UZ	98,600
VE3AQ	85,424
VE3MGY	40,880
VE7KAJ	38,016

Single Operator Unlimited, CW Only, QRP

VE3VN	213,864
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Multioperator, Single Transmitter, High Power

VA7DZ	310,896
VY2OM	201,390
VE6AO	195,210
VA7IHF	99,960

Multioperator, Single Transmitter, Low Power

VE2CWQ	16,936
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Mexico

Single Operator, Mixed Mode, High Power

XE2X	1,564,400
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Single Operator, Mixed Mode, Low Power

XE2AU	9,576
XE2T	5,184

Single Operator, Phone Only, High Power

XE2CS	98,472
XE1CKJ	13,230
XE2V	1,100

Single Operator, Phone Only, Low Power

XE1YL	176,456
XE1CQ	160,132
XE3N	119,952
XE2Q	48,000
XE2MBE	37,856
XE1JMF	17,064
XE1GLA	10,412
XE2YWB	5,694
XE2N	5,550
XE2EM	5,548

Single Operator, Phone Only, QRP

XE1SY	4
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Single Operator, CW Only, High Power

XE1CT	169,008
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Single Operator, CW Only, Low Power

XE2HQI	151,480
XE1AQY	51,072
XE2NK	18,880
XE3A	15,136
XE1RE	11,760

Single Operator, CW Only, QRP

XE2S	164,720
XE2MWY	2,812

Single Operator Unlimited, Mixed Mode, High Power

XE2W	83,426
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Single Operator Unlimited, Mixed Mode, Low Power

4A7L (XE1L, op)	170,970
XE2OK	30,810

Single Operator Unlimited, Phone Only, Low Power

XE2JS	182,696
XE1ZTW	36,208
XE2LVM	16,512
XE2AMS	2,912

Single Operator Unlimited, CW Only, Low Power

XE2F	30,380
4A5E	27,636
XE2AD	17,280
XE1AY	1,344

Multioperator, Single Transmitter, High Power

XE1SIX	46,376
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DX

Single Operator, Mixed Mode, High Power

LT3E (LU5WW, op)	2,516,568
CT3KN	1,775,680
XQ3SK	1,109,056
D4C (IK2NCJ, op)	979,484
LZ4TX	685,026
ZL3CW	671,840

PA4VHF	628,160	PY2CX	158,574
US2YW	625,660	AZ6H (LU3HIP, op)	148,470
ZD7BG	589,760	PY2QT	131,016
JS1OYN	518,008	CX2BAH	124,712

Single Operator, Mixed Mode, Low Power

PY2NY	842,832
NP4TT (N4GN, op)	754,208
JA1BJI	339,012
EA1FBU	285,456
NP4L	264,936
EA8BQM	263,160
JH7QXJ	259,464
LU4HK	211,762
UP7L (UN6LN, op)	195,468
4K6FO	189,168

Single Operator, Mixed Mode, QRP

UA6AK	110,044
PY2PLL	106,026
JH7UJU	67,080
UY5LW	66,066
ES2MC	58,604
GW9T (GW4OKT, op)	28,512
CO6EC	26,980
UT5EOX	24,640
F8AKC	18,850
RW3AI	13,370

Single Operator, Phone Only, High Power

ED8X (LU9ESD, op)	1,228,128
PX2A (PY2LED, op)	1,039,920
CR6K (CT1CJJ, op)	506,626
TM5X (F5MZN, op)	303,000
CX3AT	285,956
M6T (GØAEV, op)	268,224
GM5X (GM4YXI, op)	262,300
NP3X (EB7DX, op)	230,508
LU1FM	218,064
HC2PY	193,256

Single Operator, Phone Only, Low Power

HK3EA	291,622
PY2UD	268,644
TI2VAI	215,712
PJ7PL (N2HX, op)	207,854
EI4KU	185,954
YV5RAB	168,800

Single Operator, Phone Only, QRP

PAØØT (PA2TMS, op)	35,376
PY2BN	31,008
CT2GSN	24,920
HF7A	13,462
PY6GOE	12,950
DL3AN (UT1AN, op)	12,876
MI7DGO	11,438
CM2JR	6,664
PY3EW	5,928
JA2MWV	5,760

Single Operator, CW Only, High Power

ZF9CW	1,490,632
PW2E (PY2ZEA, op)	1,240,524
BD7MM (RA1A, op)	984,960
KP2M (KT3Y, op)	818,100
5Z4VJ	612,744
F5OGL	529,568
LN8W (LB1GB, op)	527,144
PZ5NH	512,064
ZL1IF	480,476
VK2GR	468,280

Single Operator, CW Only, Low Power

VR2T (VR2ZQZ, op)	503,424
TI2OY	407,680
MI5I (GIØRQK, op)	352,800
TI5/VA3RA (VE3IKV, op)	310,464
EIØW (EI9ES, op)	288,704
J35X	255,600
JJ1LBJ	197,540
LU1ICX	190,836
9A2AJ	150,976
OT4A	144,504

Single Operator, CW Only, QRP

EA8RM	362,504
ZS2M	64,740
LZ2RS	60,720
JQ1NGT	56,000
4F3OM	47,128
US5VX	45,216

M7R (GØTPH, op @GØTPH)	41,340	V55Y (V51WH, op)	519,294
JK1CNL	30,600	9A1P	504,900
OK2HBY	30,192	DL2ARD	483,632
JR1NKN	27,864	EB5A	467,266

Single Operator Unlimited, Mixed Mode, High Power

VL2A (VK2IM, op)	2,035,200
NP2X	1,538,988
CE2LR	1,490,090
EA7X	1,485,600
F5NBX	1,012,960
PY2KJ	988,530
TM2D	982,008
PV2K (PY2KNK, op)	971,370
RK4FD	870,660
SN2M (SP2XF, op)	742,434

Single Operator Unlimited, Mixed Mode, Low Power

PY2EX	974,510
ED1R (EA4AOC, op)	633,862
PY2RSA	621,216
MM2N (MMØGPZ, op)	588,224
XQ3WD	463,740
PT1K (PP1KV, op)	453,164
UC9A	446,420
JH1EAQ	413,842
9Z4Y	373,240
TI1I	347,490

Single Operator Unlimited, Mixed Mode, QRP

EA3O	122,540
PY2MLO	47,124
JK1TCV	37,560
BH4TQX	26,394
YV6BXN	14,700
UZ2I (UT2II, op)	13,502
BI3BX	12,450
PE2K	11,424
YO8WW	10,480
ZV2F (PY2SFA, op)	8,364

Single Operator Unlimited, Phone Only, High Power

TI1T (TI2CC, op)	958,070
TI1K (TI5CDA, op)	867,186
VR2XAN	582,428
CO2XN	533,390
TMØT (F4HQZ, op)	524,370
AZ1D (LU4DJB, op)	523,882

Single Operator Unlimited, Phone Only, Low Power

ZZ5K (PP5RT, op)	283,392
EA8AM	259,000
ZV1T (PP1WW, op)	254,540
ZW2N (PY2MNL, op)	213,504
PY2HT	170,236
CX2RA	118,876
PP5KC	99,440
PY1KV	96,280
PU1JSV	94,800
JL3VUL/3	94,134

Single Operator Unlimited, Phone Only, QRP

CO2QU	105,342
KP4PUA	22,784
I4MFA	14,560
ES6RW	13,104
HB9GSR	1,156
MW8R (GW4SHF, op)	1,026
G1WVK	816
OK6RP	84
YC1CMZ	54
YF3CYT	30

Single Operator Unlimited, CW Only, High Power

LU3MG	1,162,880
IK2PFL	859,336
OK3C (OK2ZC, op)	837,864
YT3X	752,752
HA5JI	712,816
HA1AG	708,660
DR1D (DK3DM, op)	701,520
9A5D (9A7Z, op)	615,492
9A5M	569,088
YTØZ (YU1ZZ, op)	560,728

Single Operator Unlimited, CW Only, Low Power

LW5HR	610,032
ZS6WN	352,272
ZW8T (PS8HF, op)	347,208
5B4AMX	284,960
ON6NL	276,992
SP1D	270,336

EF6B	263,340
CX2AQ	256,176
4U1A (OE1ZZZ, op)	233,240
CT1DRB	221,392

Single Operator Unlimited, CW Only, QRP

LT7D	161,408
JA6GCE	124,968
JA6VZB	73,800
UA7G	69,148
SP7M	66,120
G4ZFE	53,192
JK7DWD	51,700
HA3HX	42,244
JE1CKA	39,128
SD6F (SM6JWR, op)	35,700

Multioperator, Single Transmitter, High Power

FY5KE	4,420,416
CW5W	3,198,000
PX2W	2,945,080
PJ2T	2,896,548
P4ØL	2,699,760
T48K	1,763,776
E7DX	1,691,976
9A5Y	1,654,800
PR1T	1,640,460
ZPØX	1,350,216

Multioperator, Single Transmitter, Low Power

VP2VMM	2,626,564
V3A	1,738,528
WP2Z	1,475,814
TM6M	1,315,880
LW1F	1,305,984
TO5M	1,089,024
TOØGL	444,470
HI3LT	398,300
PR3K	221,424
ZW2WSP	142,464

Continental Winners

Africa

Single Operator, Mixed Mode, High Power	CT3KN	1,775,680
Single Operator, Mixed Mode, Low Power	EA8BQM	263,160
Single Operator, Phone Only, High Power	ED8X (LU9ESD, op)	1,228,128
Single Operator, Phone Only, Low Power	CT3HF	60,676
Single Operator, CW Only, High Power	5Z4VJ	612,744
Single Operator, CW Only, QRP	EA8RM	362,504
Single Operator Unlimited, Mixed Mode, High Power	EA8DIG	327,990
Single Operator Unlimited, Phone Only, High Power	V55Y (V51WH, op)	519,294
Single Operator Unlimited, Phone Only, Low Power	EA8AM	259,000
Single Operator Unlimited, CW Only, High Power	V51YJ	190,404
Single Operator Unlimited, CW Only, Low Power	ZS6WN	352,272
Multioperator, Single Transmitter, Low Power	TOØGL	444,470

Asia

Single Operator, Mixed Mode, High Power	JS1OYN	518,008
Single Operator, Mixed Mode, Low Power	JA1BJI	339,012
Single Operator, Mixed Mode, QRP	JH7UJU	67,080
Single Operator, Phone Only, High Power	TA3DE	105,786
Single Operator, Phone Only, Low Power	UA9CUA	27,600
Single Operator, Phone Only, QRP	JA2MWV	5,760
Single Operator, CW Only, High Power	BD7MM (RA1A, op)	984,960
Single Operator, CW Only, Low Power	VR2T (VR2ZQZ, op)	503,424
Single Operator, CW Only, QRP	JQ1NGT	56,000
Single Operator Unlimited, Mixed Mode, High Power	JH4UTP	578,688
Single Operator Unlimited, Mixed Mode, Low Power	UC9A	446,420

Single Operator Unlimited, Mixed Mode, QRP	JK1TCV	37,560
Single Operator Unlimited, Phone Only, High Power	VR2XAN	582,428
Single Operator Unlimited, Phone Only, Low Power	JL3VUL/3	94,134
Single Operator Unlimited, CW Only, High Power	JE1LFX	431,880
Single Operator Unlimited, CW Only, Low Power	5B4AMX	284,960
Single Operator Unlimited, CW Only, QRP	JA6GCE	124,968
Multioperator, Single Transmitter, High Power	JA3YBK	1,053,728
Multioperator, Single Transmitter, Low Power	AT2G	85,974
Europe		
Single Operator, Mixed Mode, High Power	LZ4TX	685,026
Single Operator, Mixed Mode, Low Power	EA1FBU	285,456
Single Operator, Mixed Mode, QRP	UA6AK CR6K (CT1CJJ, op)	110,044 506,626
Single Operator, Phone Only, High Power	EI4KU	185,954
Single Operator, Phone Only, Low Power	PAØØT (PA2TMS, op)	35,376
Single Operator, CW Only, High Power	F5OGL	529,568
Single Operator, CW Only, Low Power	MI5I (GIØRQK, op)	352,800
Single Operator, CW Only, QRP	LZ2RS	60,720
Single Operator Unlimited, Mixed Mode, High Power	EA7X	1,485,600
Single Operator Unlimited, Mixed Mode, Low Power	ED1R (EA4AOC, op)	633,862
Single Operator Unlimited, Mixed Mode, QRP	EA3O	122,540
Single Operator Unlimited, Phone Only, High Power	TMØT (F4HQZ, op)	524,370
Single Operator Unlimited, Phone Only, Low Power	UZ7M (UT9MZ, op)	78,416
Single Operator Unlimited, Phone Only, QRP	I4MFA	14,560
Single Operator Unlimited, CW Only, High Power	IK2PFL	859,336
Single Operator Unlimited, CW Only, Low Power	ON6NL	276,992

Single Operator Unlimited, CW Only, QRP	UA7G	69,148	Single Operator, Phone Only, QRP	YBØSSF	4,444
Multioperator, Single Transmitter, High Power	E7DX	1,691,976	Single Operator, CW Only, High Power	ZL1IF	480,476
Multioperator, Single Transmitter, Low Power	TM6M	1,315,880	Single Operator, CW Only, Low Power	VK2IG	122,208
North America			Single Operator, CW Only, QRP	4F3OM	47,128
Single Operator, Mixed Mode, Low Power	NP4TT (N4GN, op)	754,208	Single Operator Unlimited, Mixed Mode, High Power	VL2A (VK2IM, op)	2,035,200
Single Operator, Mixed Mode, QRP	CO6EC	26,980	Single Operator Unlimited, Mixed Mode, Low Power	YB9ELS	57,120
Single Operator, Phone Only, High Power	NP3X (EB7DX, op)	230,508	Single Operator Unlimited, Phone Only, High Power	VL4R	212,344
Single Operator, Phone Only, Low Power	TI2VAI	215,712	Single Operator Unlimited, Phone Only, Low Power	DV1DLX	36,040
Single Operator, Phone Only, QRP	CM2JR	6,664	Single Operator Unlimited, Phone Only, QRP	YC1CMZ	54
Single Operator, CW Only, High Power	ZF9CW	1,490,632	Single Operator Unlimited, CW Only, High Power	VK4DX	164,636
Single Operator, CW Only, Low Power	TI2OY	407,680	Single Operator Unlimited, CW Only, Low Power	VK6NU	47,520
Single Operator Unlimited, Mixed Mode, High Power	NP2X	1,538,988	Single Operator Unlimited, CW Only, QRP	VK4NOW	1,568
Single Operator Unlimited, Mixed Mode, Low Power	TI1I	347,490	Multioperator, Single Transmitter, High Power	VK4KW	590,992
Single Operator Unlimited, Phone Only, High Power	TI1T (TI2CC, op)	958,070	South America		
Single Operator Unlimited, Phone Only, Low Power	TI1Z (TI2MOT, op)	54,708	Single Operator, Mixed Mode, High Power	LT3E (LU5WW, op)	2,516,568
Single Operator Unlimited, Phone Only, QRP	CO2QU	105,342	Single Operator, Mixed Mode, Low Power	PY2NY	842,832
Single Operator Unlimited, CW Only, Low Power	KP3W	102,648	Single Operator, Mixed Mode, QRP	PY2PLL	106,026
Multioperator, Single Transmitter, High Power	T48K	1,763,776	Single Operator, Phone Only, High Power	PX2A (PY2LED, op)	1,039,920
Multioperator, Single Transmitter, Low Power	VP2VMM	2,626,564	Single Operator, Phone Only, Low Power	HK3EA	291,622
Oceania			Single Operator, Phone Only, QRP	PY2BN	31,008
Single Operator, Mixed Mode, High Power	ZL3CW	671,840	Single Operator, CW Only, High Power	PW2E (PY2ZEA, op)	1,240,524
Single Operator, Mixed Mode, Low Power	YC3GEM	114,168	Single Operator, CW Only, Low Power	LU1ICX	190,836
Single Operator, Mixed Mode, QRP	ZL1BQD	12,052	Single Operator, CW Only, QRP	PP5IP	22,176
Single Operator, Phone Only, High Power	VJ2J	185,130	Single Operator Unlimited, Mixed Mode, High Power	CE2LR	1,490,090
Single Operator, Phone Only, Low Power	DW7EVQ	40,432	Single Operator Unlimited, Mixed Mode, Low Power	PY2EX	974,510
			Single Operator Unlimited, Mixed Mode, QRP	PY2MLO	47,124

Single Operator Unlimited, Phone Only, High Power	AZ1D (LU4DJB, op)	523,882
Single Operator Unlimited, Phone Only, Low Power	ZZ5K (PP5RT, op)	283,392
Single Operator Unlimited, CW Only, High Power	LU3MG	1,162,880
Single Operator Unlimited, CW Only, Low Power	LW5HR	610,032
Single Operator Unlimited, CW Only, QRP	LT7D	161,408
Multioperator, Single Transmitter, High Power	FY5KE	4,420,416
Multioperator, Single Transmitter, Low Power	LW1F	1,305,984

Division Winners

Single Operator, Mixed Mode, High Power

Atlantic	AB3CX	1,051,560
Central	K9LA	94,872
Dakota	NØAT	926,060
Delta	K5DB	499,380
Great Lakes	N8HHG	64,034
Hudson	N5DX	2,363,200
Midwest	KTØK	978,000
New England	K5ZD	1,321,440
Northwestern	K7RAT (N6TR, op)	1,753,092
Pacific	K6XX	1,671,096
Roanoke	KT4Q	208,898
Rocky Mountain	NR7T	995,880
Southeastern	N4OX	1,148,070
Southwestern	K6RO	476,584
West Gulf	N5IF	622,440
Canada	VY2TT (K6LA, op)	2,319,912
México	XE2X	1,564,400

Single Operator, Mixed Mode, Low Power

Atlantic	N1NQD	199,520
Central	W9MR	102,242
Dakota	ACØW	478,848
Delta	WA5SOG	205,740
Great Lakes	KD8TNF	67,774
Hudson	KU2M	877,282
Midwest	ADØRW	91,332
New England	N1UR	849,444
Northwestern	KS7T	296,704
Pacific	NU6S	466,966
Roanoke	N8II	1,029,600
Rocky Mountain	WØIZ	330,336
Southeastern	K2PS	680,316
Southwestern	WA7NB	864,878
West Gulf	N5JJ	465,740
Canada	VE3DZ	1,183,888
México	XE2AU	9,576

Single Operator, Mixed Mode, QRP

Central	AF9J	16,892
Dakota	NDØC	224,298
Delta	N4ELM	75,834
Hudson	WB2AMU	53,890
Midwest	NØLMQ	16,942
Northwestern	KA7T	3,618
Pacific	K2GMY	58,968

Rocky Mountain	KZ7O	5,632
Southeastern	WA3LXD	121,250
Southwestern	N6AN	78,840
West Gulf	N3CI	11,696
Canada	VE9QR	14,720

Single Operator, Phone Only, High Power

Atlantic	N3MWQ	32,800
Central	KC9OP	17,702
Dakota	WJØW (KH6XX, op)	481,200
Delta	WB4YDY	31,812
Great Lakes	K8DJR	52,992
Hudson	W2JTM	62,784
Midwest	WBØYYE	62,992
New England	K1FMS	395,568
Northwestern	N7MGW	299,728
Pacific	KE8FT	188,324
Roanoke	K4CGY	105,316
Rocky Mountain	WY7KY	66,000
Southeastern	W4AMP	52,500
Southwestern	W6AFA	206,296
West Gulf	K5TR (WM5R, op)	711,180
Canada	VA5DX	319,774
México	XE2CS	98,472

Single Operator, Phone Only, Low Power

Atlantic	AB1F	67,940
Central	W9JOE	25,992
Dakota	NØXT	70,824
Delta	WD5DJW	20,468
Great Lakes	NC8R	45,258
Hudson	WA2GOT	44,370
Midwest	WBØLQC	27,324
New England	W1JIM	42,804
Northwestern	WZ8T	162,488
Pacific	KH6/WØZB	78,474
Roanoke	WB4JFS	38,038
Rocky Mountain	WØSJE	104,780
Southeastern	NN4DX	41,870
Southwestern	KK7AC	78,608
West Gulf	N5YIZ	114,408
Canada	VE3RVZ	66,000
México	XE1YL	176,456

Single Operator, Phone Only, QRP

Atlantic	AB2IW	25,480
Central	K9JK	16,800
Dakota	KEØWPA	112

New England	W1TRK	750
Northwestern	NT7S	9,374
Pacific	KD6FIL	1,476
Roanoke	KD4VEU	1,140
Rocky Mountain	WWØWB	19,096
Southeastern	KS4GW	1,664
Southwestern	W6QU (W8QZA, op)	19,200
West Gulf	KG5IUQ	3,648
Canada	VA2IW	6,510
México	XE1SY	4

Single Operator, CW Only, High Power

Atlantic	K2SSS	833,784
Central	KC9EE	458,136
Dakota	WDØT	675,024
Delta	N4OGW	942,576
Great Lakes	NA8V	605,280
Hudson	W2RQ	592,644
Midwest	WØEWD	564,816
New England	N3KZ	553,212
Northwestern	N7EPD	579,464
Pacific	WH7W	150,368
Roanoke	N4XD	713,880
Rocky Mountain	K5TA	334,320
Southeastern	K1TO	1,294,800
Southwestern	W6PH	728,768
West Gulf	K5PI	1,136,240
Canada	VE6WP (VE6BBP, op)	653,556
México	XE1CT	169,008

Single Operator, CW Only, Low Power

Atlantic	WK2G	172,592
Central	N9XX	193,516
Dakota	NØUR	278,208
Delta	W5UE	115,668
Great Lakes	WB8JUI	159,856
Hudson	AF2F	84,448
Midwest	NUØQ	141,312
New England	K1TR	533,736
Northwestern	WJ9B	484,832
Pacific	KH6CJJ	478,400
Roanoke	K7SV	641,840
Rocky Mountain	KØMF	147,740
Southeastern	N4AO (WC4E, op)	518,364
Southwestern	W6ZL	258,456
West Gulf	KG5U	201,960
Canada	VE5UF	256,432
México	XE2HQI	151,480

Single Operator, CW Only, QRP

Atlantic	K2NV	96,432
Central	WB9AYW	16,480
Delta	N5EE	48,620
Great Lakes	K2YAZ	90,816
Hudson	NQ2W	57,960
Midwest	WDØBGZ	17,600
New England	W1FJ	178,164
Northwestern	K7FR	104,488
Pacific	W6JTI	163,400
Roanoke	WU4G	33,376
Rocky Mountain	N8MXL	3,496
Southeastern	N7RCS	99,384
Southwestern	W7USA	52,800
West Gulf	N5OE	28,196
Canada	VE3KJQ	4,876
México	XE2S	164,720

Single Operator Unlimited, Mixed Mode, High Power

Atlantic	K3MM	1,775,900
Central	K9WO	761,152
Dakota	NØHJZ	717,288
Delta	N8OO	2,020,416
Great Lakes	W8MJ	1,324,400
Hudson	WA2CP (KC2GOW, op)	677,280
Midwest	KØAP	845,680
New England	K1AR	929,022
Northwestern	KL7SB	1,450,764
Pacific	W6YX (N7MH, op)	1,786,428
Roanoke	K3DNE	632,428
Rocky Mountain	WY7FD	507,744
Southeastern	K4AB	1,650,250
Southwestern	K6LL	1,775,130
West Gulf	W5GCX	101,248
Canada	VE5MX	2,022,592
México	XE2W	83,426

Single Operator Unlimited, Mixed Mode, Low Power

Atlantic	KB3WD	1,253,276
Central	W9XT	568,544
Dakota	KØKX	326,160
Delta	WF7T	209,100
Great Lakes	N8VV	193,600
Hudson	WA2JQK	212,814
Midwest	N5KB	60,496
New England	K1BX	1,287,936
Northwestern	WA8ZNC	109,172
Pacific	K6GHA	296,884

Roanoke	K1HTV	672,798
Southeastern	K9OM	758,160
Southwestern	N7IR	389,244
West Gulf	WA8ZBT	104,896
Canada	VE3GFN	207,350
México	4A7L (XE1L, op)	170,970

Single Operator Unlimited, Mixed Mode, QRP

Atlantic	W3EK	13,356
Great Lakes	K8ZT	1,254
Hudson	K2YG	8,554
Roanoke	KA4RRU	171,556
Rocky Mountain	WC7S	76,704
Southwestern	WQ6X	117,626

Single Operator Unlimited, Phone Only, High Power

Atlantic	W3ICM	198,198
Central	W9NY	200,664
Dakota	KØYR	114,266
Delta	WV4P	303,840
Great Lakes	ND4Y	56,248
Hudson	N2NT (KI7WX, op)	386,958
Midwest	WØMB	144,432
New England	WT1A	556,200
Northwestern	AA7VR	280,720
Pacific	K3EST	691,824
Roanoke	N5GI	51,304
Rocky Mountain	K7WXB	155,782
Southeastern	NA4DA	63,460
Southwestern	KE6GFI	56,016
West Gulf	W5PR	488,244
Canada	VO1KVT	211,582

Single Operator Unlimited, Phone Only, Low Power

Atlantic	WA2QAU	60,060
Central	K2DRH	362,880
Dakota	NØUJJ	15,198
Delta	K9UC	40,460
Great Lakes	N8VZ	15,120
Hudson	KE2CAN	220
Midwest	KEØITC	38,240
New England	W1JGM	24,656
Northwestern	KB7HDX	56,560
Pacific	KAØWWT	57,186
Roanoke	W4ZD	38,152
Rocky Mountain	N7MZW	110,084
Southeastern	NN4TT	126,240
Southwestern	W6MX	48,692

West Gulf	K5MWA	25,440
Canada	VE5KS	127,840
México	XE2JS	182,696

Single Operator Unlimited, Phone Only, QRP

Atlantic	WA3FRP	2
Great Lakes	N8MWK	8,900
Canada	VE3BFU	2,914

Single Operator Unlimited, CW Only, High Power

Atlantic	AA3B	1,386,320
Central	K9CT	957,744
Dakota	AIØY	455,040
Delta	AD4EB	689,400
Great Lakes	W8AV	718,872
Hudson	KR2Q	606,608
Midwest	NSØR	564,960
New England	W1KM	1,597,200
Northwestern	K7SS	598,080
Pacific	W7ZR	406,864
Roanoke	N3UA	554,840
Rocky Mountain	KEØUI	205,128
Southeastern	K1MM	1,063,888
Southwestern	N6SS	847,384
West Gulf	N5RZ	1,110,700
Canada	VE7ZO	763,504

Single Operator Unlimited, CW Only, Low Power

Atlantic	NM2A	221,340
Central	KG9X	709,836
Dakota	KØTI	85,272
Delta	W5LA	99,468
Great Lakes	K4YJ	78,376
Hudson	KR2AA	391,668
Midwest	AKØM	58,236
New England	KI1G	269,072
Northwestern	K7NEW	196,868
Pacific	WU6P	114,300
Roanoke	N2YO	454,812
Rocky Mountain	KØXF	418,192
Southeastern	WA1FCN	339,948
Southwestern	K6WSC	456,008
West Gulf	KJ5Y (WØEAS, op)	109,824
Canada	VA2WA	548,192
México	XE2F	30,380

Single Operator Unlimited, CW Only, QRP

Atlantic	NZ3D	184,688
Central	AB9BZ	4,320
Delta	N5YT	22,800
Hudson	AC2YD	23,296
Midwest	KKØU	19,780
New England	KO1H	55,476
Pacific	N6RO	81,600
Southeastern	K3TW	110,520
West Gulf	KI5YGT	320
Canada	VE3VN	213,864

Multioperator, Single Transmitter, High Power

Atlantic	K9RS	1,860,480
Central	AA9H	430,088
Dakota	KEØTL	64,246
Delta	W5SGL	418,304
Great Lakes	N4SS	1,955,668
Midwest	NØMA	791,776
New England	K1LZ	3,812,688
Northwestern	W7VJ	925,016
Pacific	K6EZ	1,635,660
Roanoke	N4RV	2,155,852
Rocky Mountain	K5WY	482,760
Southeastern	W4AC	716,688
Southwestern	KY7M	1,674,098
West Gulf	NX5M	2,189,296
Canada	VA7DZ	310,896
México	XE1SIX	46,376

Multioperator, Single Transmitter, Low Power

Atlantic	W3ZGD	456,624
Central	W9KM	381,100
Dakota	NØEO	222,300
Great Lakes	W8EDU	26,718
Hudson	N2MC	40,140
Midwest	WØFLN	36,000
New England	NC1CC	614,482
Northwestern	W7TVC	431,000
Pacific	K6EI	328,934
Roanoke	W4TG	190,464
Rocky Mountain	KB5ZSK	4,340
Southeastern	WW4LL	624,732
Southwestern	N6UTC	13,572
West Gulf	WDØGTY	138,212
Canada	VE2CWQ	16,936

Region Leaders

West Coast Region

(Pacific, Northwestern and Southwestern Divisions;
Alberta, British Columbia and NT Sections)

K7RAT (N6TR, op)	1,753,092	SO-MIX-HP	KL7AC	375,560	SO-CW-LP
K7RL	1,715,280	SO-MIX-HP	KH6AQ	331,256	SO-CW-LP
K6XX	1,671,096	SO-MIX-HP	N7YK	319,572	SO-CW-LP
VE6UM	697,824	SO-MIX-HP	W6JTI	163,400	SO-CW-QRP
K6RO	476,584	SO-MIX-HP	K7FR	104,488	SO-CW-QRP
WA7NB	864,878	SO-MIX-LP	W7USA	52,800	SO-CW-QRP
NU6S	466,966	SO-MIX-LP	N2JNR	48,312	SO-CW-QRP
KS7T	296,704	SO-MIX-LP	NH6O	45,632	SO-CW-QRP
VA6RCN	126,896	SO-MIX-LP	W6YX (N7MH, op)	1,786,428	SOU-MIX-HP
AF7NX	113,316	SO-MIX-LP	K6LL	1,775,130	SOU-MIX-HP
N6AN	78,840	SO-MIX-QRP	N6WM	1,498,538	SOU-MIX-HP
K2GMY	58,968	SO-MIX-QRP	WC6H	1,471,628	SOU-MIX-HP
WA6FGV	57,392	SO-MIX-QRP	KL7SB	1,450,764	SOU-MIX-HP
KE6K	34,776	SO-MIX-QRP	N7IR	389,244	SOU-MIX-LP
KA7T	3,618	SO-MIX-QRP	K6GHA	296,884	SOU-MIX-LP
N7MGW	299,728	SO-PH-HP	N6DE	196,504	SOU-MIX-LP
W6AFA	206,296	SO-PH-HP	W4IDX	148,104	SOU-MIX-LP
KE8FT	188,324	SO-PH-HP	WX6V	116,144	SOU-MIX-LP
KT6VV	168,576	SO-PH-HP	WQ6X	117,626	SOU-MIX-QRP
KI7IOC	167,528	SO-PH-HP	K3EST	691,824	SOU-PH-HP
WZ8T	162,488	SO-PH-LP	AA7VR	280,720	SOU-PH-HP
KK7AC	78,608	SO-PH-LP	W7BJN	223,236	SOU-PH-HP
KH6/WØZB	78,474	SO-PH-LP	VE6FI (VE6AQ, op)	187,200	SOU-PH-HP
W6SAN	45,730	SO-PH-LP	VA7TU	141,930	SOU-PH-HP
N6OKU	38,624	SO-PH-LP	KAØWWT	57,186	SOU-PH-LP
W6QU (W8QZA, op)	19,200	SO-PH-QRP	KB7HDX	56,560	SOU-PH-LP
NT7S	9,374	SO-PH-QRP	W6MX	48,692	SOU-PH-LP
N7SVI	4,690	SO-PH-QRP	W7BOB	34,456	SOU-PH-LP
KD6FIL	1,476	SO-PH-QRP	KH6WI	25,498	SOU-PH-LP
KT2G	400	SO-PH-QRP	N6SS	847,384	SOU-CW-HP
W6PH	728,768	SO-CW-HP	N7CW	765,720	SOU-CW-HP
VE6WP (VE6BBP, op)	653,556	SO-CW-HP	VE7ZO	763,504	SOU-CW-HP
N7EPD	579,464	SO-CW-HP	VE6WQ	666,216	SOU-CW-HP
KH7X (KH6ND, op)	495,624	SO-CW-HP	KC7V	616,204	SOU-CW-HP
N6AA	437,616	SO-CW-HP	K6WSC	456,008	SOU-CW-LP
WJ9B	484,832	SO-CW-LP	K7NEW	196,868	SOU-CW-LP
KH6CJJ	478,400	SO-CW-LP	N7YY	148,920	SOU-CW-LP
			N6MZ	146,940	SOU-CW-LP
			AA2IL	141,300	SOU-CW-LP

N6RO	81,600	SOU-CW-QRP			
K6JS	71,120	SOU-CW-QRP	WWØWB	19,096	SO-PH-QRP
KØDTJ	13,104	SOU-CW-QRP	KG5IUQ	3,648	SO-PH-QRP
			WD5FGZ	616	SO-PH-QRP
KY7M	1,674,098	MSHP	KG5YPK	546	SO-PH-QRP
K6EZ	1,635,660	MSHP	KEØWPA	112	SO-PH-QRP
NX6T	1,539,468	MSHP			
W7RN	1,116,612	MSHP	K5PI	1,136,240	SO-CW-HP
N7AT	1,104,192	MSHP	WDØT	675,024	SO-CW-HP
			WØEWD	564,816	SO-CW-HP
W7TVC	431,000	MSLP	WA2VYA	428,220	SO-CW-HP
K6EI	328,934	MSLP	AI5IN	340,928	SO-CW-HP
K7NXL	309,342	MSLP			
N6UTC	13,572	MSLP	NØUR	278,208	SO-CW-LP
KO6BST	816	MSLP	VE5UF	256,432	SO-CW-LP
			N7IV	220,752	SO-CW-LP
			KG5U	201,960	SO-CW-LP
			VE5GC	166,584	SO-CW-LP
Midwest Region					
(Dakota, Midwest, Rocky Mountain and West Gulf					
Divisions; Manitoba and Saskatchewan Sections)					
NR7T	995,880	SO-MIX-HP	N5OE	28,196	SO-CW-QRP
KTØK	978,000	SO-MIX-HP	WDØBGZ	17,600	SO-CW-QRP
NØAT	926,060	SO-MIX-HP	WØDCX	10,788	SO-CW-QRP
KØMD	899,082	SO-MIX-HP	WA5RML	9,900	SO-CW-QRP
N5IF	622,440	SO-MIX-HP	WA5DSS	6,944	SO-CW-QRP
ACØW	478,848	SO-MIX-LP	VE5MX	2,022,592	SOU-MIX-HP
N5JJ	465,740	SO-MIX-LP	KØAP	845,680	SOU-MIX-HP
WØIZ	330,336	SO-MIX-LP	NØHJZ	717,288	SOU-MIX-HP
KØEA	241,674	SO-MIX-LP	VE4GV	676,800	SOU-MIX-HP
KFØUR	178,200	SO-MIX-LP	K3PA	623,482	SOU-MIX-HP
NDØC	224,298	SO-MIX-QRP	KØKX	326,160	SOU-MIX-LP
NØLMQ	16,942	SO-MIX-QRP	K7BG	320,016	SOU-MIX-LP
N3CI	11,696	SO-MIX-QRP	KØRC	158,688	SOU-MIX-LP
W5ESE	10,842	SO-MIX-QRP	K4IU	130,146	SOU-MIX-LP
KZ7O	5,632	SO-MIX-QRP	KØTJT	121,540	SOU-MIX-LP
K5TR (WM5R, op)	711,180	SO-PH-HP	WC7S	76,704	SOU-MIX-QRP
WJØW (KH6XX, op)	481,200	SO-PH-HP			
VA5DX	319,774	SO-PH-HP	W5PR	488,244	SOU-PH-HP
AD5XD	216,918	SO-PH-HP	W5LO	219,964	SOU-PH-HP
WØSD (KTØW, op)	214,800	SO-PH-HP	K7WXB	155,782	SOU-PH-HP
			WØMB	144,432	SOU-PH-HP
N5YIZ	114,408	SO-PH-LP	KØYR	114,266	SOU-PH-HP
WØSJE	104,780	SO-PH-LP			
NØXT	70,824	SO-PH-LP	VE5KS	127,840	SOU-PH-LP
NØVRM	33,748	SO-PH-LP	N7MZW	110,084	SOU-PH-LP
WBØLQC	27,324	SO-PH-LP	KFØIDT	57,188	SOU-PH-LP

KEØITC	38,240	SOU-PH-LP	W9VQ	2,646	SO-MIX-QRP
WD4IXD	35,424	SOU-PH-LP			
			VE3YZ	67,704	SO-PH-HP
N5RZ	1,110,700	SOU-CW-HP	K8DJR	52,992	SO-PH-HP
K5CM	743,712	SOU-CW-HP	VE3LRL	51,568	SO-PH-HP
NSØR	564,960	SOU-CW-HP	KC9OP	17,702	SO-PH-HP
AIØY	455,040	SOU-CW-HP	VE3YV	10,800	SO-PH-HP
N5TJ	305,100	SOU-CW-HP			
			VE3RVZ	66,000	SO-PH-LP
KØXF	418,192	SOU-CW-LP	NC8R	45,258	SO-PH-LP
VE5SF	417,900	SOU-CW-LP	W9JOE	25,992	SO-PH-LP
W2UP	334,152	SOU-CW-LP	KC9JML	24,480	SO-PH-LP
W7CXX (WA7LNW, op)	333,632	SOU-CW-LP	KE8KT	24,282	SO-PH-LP
VA4ADM	117,600	SOU-CW-LP			
			K9JK	16,800	SO-PH-QRP
KKØU	19,780	SOU-CW-QRP	WN1C	8,736	SO-PH-QRP
KI5YGT	320	SOU-CW-QRP	VA3RTG	5,928	SO-PH-QRP
			K9XB	880	SO-PH-QRP
NX5M	2,189,296	MSHP	K9PZ	720	SO-PH-QRP
NØMA	791,776	MSHP			
K5WY	482,760	MSHP	NA8V	605,280	SO-CW-HP
WA5PFJ	86,688	MSHP	KC9EE	458,136	SO-CW-HP
KEØTL	64,246	MSHP	VA3AR	404,976	SO-CW-HP
			KW9A	356,440	SO-CW-HP
NØEO	222,300	MSLP	K8GL	341,940	SO-CW-HP
WDØGTY	138,212	MSLP			
AEØEE	45,056	MSLP	N9XX	193,516	SO-CW-LP
WØFLN	36,000	MSLP	VA3FF	160,380	SO-CW-LP
W5AFV	28,620	MSLP	WB8JUI	159,856	SO-CW-LP
			N9DJ	158,772	SO-CW-LP
Central Region			KB9S	148,944	SO-CW-LP
(Central and Great Lakes Divisions; Ontario East,					
Ontario North, Ontario South, and Golden Horseshoe			K2YAZ	90,816	SO-CW-QRP
Sections)			N8AP	46,080	SO-CW-QRP
VE3AT	1,789,488	SO-MIX-HP	WB9AYW	16,480	SO-CW-QRP
K9LA	94,872	SO-MIX-HP	AA8OY	5,452	SO-CW-QRP
N8HHG	64,034	SO-MIX-HP	VE3KJQ	4,876	SO-CW-QRP
KA3MTT	54,208	SO-MIX-HP			
N9GH	51,506	SO-MIX-HP	W8MJ	1,324,400	SOU-MIX-HP
			KT8X	806,912	SOU-MIX-HP
VE3DZ	1,183,888	SO-MIX-LP	VA3DF	796,172	SOU-MIX-HP
W9MR	102,242	SO-MIX-LP	K9WO	761,152	SOU-MIX-HP
KB9DFE	101,192	SO-MIX-LP	VE3EJ	695,024	SOU-MIX-HP
VE3FH	87,870	SO-MIX-LP			
KØPG	74,256	SO-MIX-LP	W9XT	568,544	SOU-MIX-LP
			K9PW	272,160	SOU-MIX-LP
AF9J	16,892	SO-MIX-QRP	WE9R	235,572	SOU-MIX-LP
WD9GYM	4,320	SO-MIX-QRP	W9AV	234,346	SOU-MIX-LP

VE3GFN	207,350	SOU-MIX-LP	WQ5L	463,356	SO-MIX-HP
			K4BAI	453,936	SO-MIX-HP
K8ZT	1,254	SOU-MIX-QRP	KØEJ	308,844	SO-MIX-HP
W9NY	200,664	SOU-PH-HP	N8II	1,029,600	SO-MIX-LP
W9KEY	89,162	SOU-PH-HP	K2PS	680,316	SO-MIX-LP
K9MU	87,200	SOU-PH-HP	K8MR	341,802	SO-MIX-LP
ND4Y	56,248	SOU-PH-HP	N4OO	268,272	SO-MIX-LP
W9JA	34,452	SOU-PH-HP	WA5SOG	205,740	SO-MIX-LP
K2DRH	362,880	SOU-PH-LP	WA3LXD	121,250	SO-MIX-QRP
N9TGR	101,840	SOU-PH-LP	N4ELM	75,834	SO-MIX-QRP
AC9TO	43,200	SOU-PH-LP	KO4DN	27,676	SO-MIX-QRP
KD9GY	38,844	SOU-PH-LP	N4TOL	132	SO-MIX-QRP
VA3IDD	38,240	SOU-PH-LP			
			K4CGY	105,316	SO-PH-HP
N8MWK	8,900	SOU-PH-QRP	KZ3P	86,070	SO-PH-HP
VE3BFU	2,914	SOU-PH-QRP	W4AMP	52,500	SO-PH-HP
			N5GF	45,684	SO-PH-HP
K9CT	957,744	SOU-CW-HP	WB4YDY	31,812	SO-PH-HP
W8AV	718,872	SOU-CW-HP			
K1LT	609,924	SOU-CW-HP	NN4DX	41,870	SO-PH-LP
KE4KY	510,720	SOU-CW-HP	WB4JFS	38,038	SO-PH-LP
N7US	453,744	SOU-CW-HP	KM4ODS	36,980	SO-PH-LP
			N3GB	36,150	SO-PH-LP
KG9X	709,836	SOU-CW-LP	KN4UQM	35,424	SO-PH-LP
WT9Q	204,288	SOU-CW-LP			
K9CW	133,200	SOU-CW-LP	KS4GW	1,664	SO-PH-QRP
K9WX	119,568	SOU-CW-LP	KD4VEU	1,140	SO-PH-QRP
VE3UZ	98,600	SOU-CW-LP	KM4NNE	576	SO-PH-QRP
			WX4DAT	180	SO-PH-QRP
VE3VN	213,864	SOU-CW-QRP	NA4O	80	SO-PH-QRP
AB9BZ	4,320	SOU-CW-QRP			
			K1TO	1,294,800	SO-CW-HP
N4SS	1,955,668	MSHP	NN7CW	1,012,380	SO-CW-HP
AA9H	430,088	MSHP	N4OGW	942,576	SO-CW-HP
NV4H	218,304	MSHP	N4XD	713,880	SO-CW-HP
			KQ4R	457,312	SO-CW-HP
W9KM	381,100	MSLP			
KA9VVQ	71,208	MSLP	K7SV	641,840	SO-CW-LP
W8EDU	26,718	MSLP	N4AO (WC4E, op)	518,364	SO-CW-LP
K8LGN	1,380	MSLP	WB4TDH	356,224	SO-CW-LP
W8DGN	494	MSLP	K4EJ	265,760	SO-CW-LP
			N4EK	135,636	SO-CW-LP
Southeast Region					
(Delta, Roanoke and Southeastern Divisions)			N7RCS	99,384	SO-CW-QRP
N4OX	1,148,070	SO-MIX-HP	N5EE	48,620	SO-CW-QRP
K5DB	499,380	SO-MIX-HP	WU4G	33,376	SO-CW-QRP

K6RM	23,400	SO-CW-QRP	AD4ES	626,152	MSHP
K4WY	12,696	SO-CW-QRP	NV9L	575,918	MSHP
			N1RM	570,968	MSHP
N8OO	2,020,416	SOU-MIX-HP			
K4AB	1,650,250	SOU-MIX-HP	WW4LL	624,732	MSLP
WO4O	1,265,298	SOU-MIX-HP	KT4XA	491,104	MSLP
K2SG	1,073,952	SOU-MIX-HP	WA1F	427,912	MSLP
N4UU	977,676	SOU-MIX-HP	W4TG	190,464	MSLP
			N4SVC	72,842	MSLP
K9OM	758,160	SOU-MIX-LP			
K1HTV	672,798	SOU-MIX-LP			
W4EE	241,164	SOU-MIX-LP			
WF7T	209,100	SOU-MIX-LP			
KG4IGC	155,636	SOU-MIX-LP			
			Northeast Region		
			(New England, Hudson and Atlantic Divisions; New Brunswick, Newfoundland, Nova Scotia, Prince Edward Island and Quebec Sections)		
			N5DX	2,363,200	SO-MIX-HP
KA4RRU	171,556	SOU-MIX-QRP	VY2TT (K6LA, op)	2,319,912	SO-MIX-HP
			K5ZD	1,321,440	SO-MIX-HP
WV4P	303,840	SOU-PH-HP	AB3CX	1,051,560	SO-MIX-HP
NA4DA	63,460	SOU-PH-HP	N3QE	612,360	SO-MIX-HP
WW5L	63,154	SOU-PH-HP			
N5GI	51,304	SOU-PH-HP	KU2M	877,282	SO-MIX-LP
K4QQG	49,128	SOU-PH-HP	N1UR	849,444	SO-MIX-LP
			VO2LAB	201,390	SO-MIX-LP
NN4TT	126,240	SOU-PH-LP	N1NQD	199,520	SO-MIX-LP
K9UC	40,460	SOU-PH-LP	N3FR	174,900	SO-MIX-LP
W4ZD	38,152	SOU-PH-LP			
KG4YVK	35,358	SOU-PH-LP	WB2AMU	53,890	SO-MIX-QRP
WS4WW	35,358	SOU-PH-LP	WU2M	28,730	SO-MIX-QRP
			VE9QR	14,720	SO-MIX-QRP
			VA2NW	400	SO-MIX-QRP
K1MM	1,063,888	SOU-CW-HP			
K4EA	858,452	SOU-CW-HP			
N4BP	697,376	SOU-CW-HP	K1FMS	395,568	SO-PH-HP
AD4EB	689,400	SOU-CW-HP	N1PGA	332,540	SO-PH-HP
W1RCR	673,920	SOU-CW-HP	W1SJ	286,984	SO-PH-HP
			AF1T	253,920	SO-PH-HP
N2YO	454,812	SOU-CW-LP	K1OFO	87,978	SO-PH-HP
WA1FCN	339,948	SOU-CW-LP			
N4IJ	258,332	SOU-CW-LP	AB1F	67,940	SO-PH-LP
K2MK	146,664	SOU-CW-LP	VE2HIT	52,722	SO-PH-LP
WA4PGM	114,696	SOU-CW-LP	WA2GOT	44,370	SO-PH-LP
			KS2G	43,956	SO-PH-LP
K3TW	110,520	SOU-CW-QRP	W1JIM	42,804	SO-PH-LP
N5YT	22,800	SOU-CW-QRP			
N6MA	20,240	SOU-CW-QRP	AB2IW	25,480	SO-PH-QRP
KR4AE	12,464	SOU-CW-QRP	VA2IW	6,510	SO-PH-QRP
			NF2L	4,488	SO-PH-QRP
N4RV	2,155,852	MSHP	W1TRK	750	SO-PH-QRP
W4AC	716,688	MSHP	W3XR	40	SO-PH-QRP

			W1KM	1,597,200	SOU-CW-HP
K2SSS	833,784	SO-CW-HP	AA3B	1,386,320	SOU-CW-HP
N2PP	637,732	SO-CW-HP	K1KI	1,264,228	SOU-CW-HP
W2RQ	592,644	SO-CW-HP	N9NC	1,198,484	SOU-CW-HP
N3KZ	553,212	SO-CW-HP	K2XR	1,085,400	SOU-CW-HP
K3TC	521,148	SO-CW-HP			
			VA2WA	548,192	SOU-CW-LP
K1TR	533,736	SO-CW-LP	KR2AA	391,668	SOU-CW-LP
K1VUT	482,080	SO-CW-LP	KI1G	269,072	SOU-CW-LP
W1QK	332,328	SO-CW-LP	NM2A	221,340	SOU-CW-LP
N1DC	188,352	SO-CW-LP	K2DFC	208,376	SOU-CW-LP
N1IX	175,616	SO-CW-LP			
			NZ3D	184,688	SOU-CW-QRP
W1FJ	178,164	SO-CW-QRP	KO1H	55,476	SOU-CW-QRP
K2NV	96,432	SO-CW-QRP	AI1TT	50,400	SOU-CW-QRP
NQ2W	57,960	SO-CW-QRP	AC2YD	23,296	SOU-CW-QRP
W7LG	18,900	SO-CW-QRP			
KQ1P	18,236	SO-CW-QRP	K1LZ	3,812,688	MSHP
			K9RS	1,860,480	MSHP
K3MM	1,775,900	SOU-MIX-HP	K3AJ	1,204,416	MSHP
K3EW	959,424	SOU-MIX-HP	N1RR	1,023,720	MSHP
K1AR	929,022	SOU-MIX-HP	NC1M	931,120	MSHP
K1JB	900,640	SOU-MIX-HP			
W1VE	811,780	SOU-MIX-HP	NC1CC	614,482	MSLP
			W3ZGD	456,624	MSLP
K1BX	1,287,936	SOU-MIX-LP	W1FM	312,044	MSLP
KB3WD	1,253,276	SOU-MIX-LP	N2MC	40,140	MSLP
KB1EFS	511,680	SOU-MIX-LP	W2NPT	32,800	MSLP
KG1V	247,968	SOU-MIX-LP			
WA2JQK	212,814	SOU-MIX-LP			
W3EK	13,356	SOU-MIX-QRP			
K2YG	8,554	SOU-MIX-QRP			
WT1A	556,200	SOU-PH-HP			
KA1ZD	427,968	SOU-PH-HP			
N2NT (KI7WX, op)	386,958	SOU-PH-HP			
WA2BOT	374,836	SOU-PH-HP			
VO1KVT	211,582	SOU-PH-HP			
WA2QAU	60,060	SOU-PH-LP			
W1JGM	24,656	SOU-PH-LP			
N1IXF	19,824	SOU-PH-LP			
N1TRK	17,680	SOU-PH-LP			
KD2JOE	14,994	SOU-PH-LP			
WA3FRP	2	SOU-PH-QRP			