

ARRL 10 Meter Contest 2018 Full Results By Scott Tuthill, K7ZO (k7zo@cableone.net)

"That was fun" - paraphrasing many operators

These surprising comments were made by many operators after the conclusion of the 46th running of the ARRL 10 Meter Contest. Held December 8 and 9, 2018, large geographic areas were blessed with much better than expected propagation. Operators set aside their alternate plans for the weekend and jumped on the radio.

Compared to 2017, total logs submitted increased by 6% to 1,900 and total reported QSOs increased by 55% to over 150,000. A few operators got tantalizingly close to Worked All States, with N4BP managing to work 49. The highest total in 2017 was just 42. And there were 17 new World Records set at the W-VE-XE Section and DX Entity level. In 2017 there were just 6. Looking back at the weekend it was a great example of how 10 meters can offer up surprises even in the depths of a solar cycle minimum. As Joe, K7JOE, commented: "Ten meters - the other mystery band...good fun."

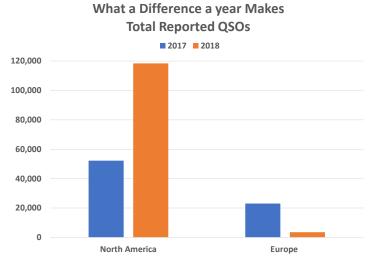


Figure 1 – North America and Europe QSO Comparison

However, 10 meters can also be fickle in its generosity. While conditions were greatly improved for most of North America, the opposite occurred across Europe. "Dismal" might even understate how bad conditions were for contesters in Europe. For comparison, improved conditions in North America meant the average log size increased by 80% over 2017 and this in turn meant more operators were on the air with submitted logs increasing almost 30%.

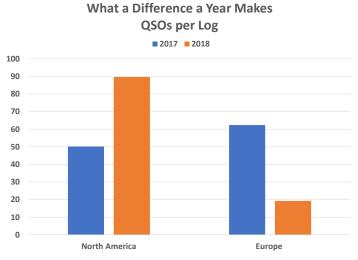
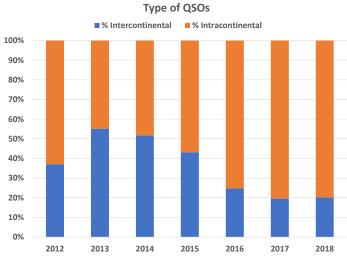
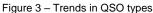


Figure 2 - North America and Europe QSOs per log Comparison

Conversely, in Europe average log size decreased almost 70% to just 19 QSOs per log. Faced with these conditions European operators sat on sidelines and total logs submitted dropped 50% to just 186 logs from the whole continent. To put this in perspective, this is about the same number of logs that were submitted from California and Florida combined.





One overall trend that continued from 2017 was the preponderance of *intra*-continental QSOs. As the solar cycle has worked its way toward the bottom, long distance *inter*-continental QSOs have dwindled. After peaking at well over 50% during the solar maximum in 2013 and

2014 in the last two years the percentage of intercontinental QSOs has hovered around 20%.

The vast majority of intercontinental QSOs are now on North-South paths. Common ones are South America to North America and Oceania to Asia — which are pretty much due north-south. Historically, with slightly better propagation, the paths widened east and west on both ends. For example, South America to Europe and South America to Asia, but in 2018 these paths failed to open. This was one contributor to the dismal conditions in Europe.

Lack of European propagation also had impacts on multiplier counts for operators in South America. Missing many of their usual Europe and Asia multipliers meant their scores suffered. South America managed just 8 worldwide category wins versus 14 in 2017. The benefactor of the propagation change was North America where operators managed 12 worldwide category wins in 2018 vs just 3 in 2017.

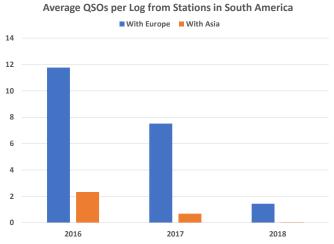


Figure 4 – QSO Trends for stations in South America

This overall trend toward intracontinental QSOs coupled with enhanced propagation over North America meant that 70% of all reported QSOs in 2017 were one North America station contacting another one. But even across a whole continent, conditions were not uniform. One common comment about conditions in North America was about the high number of QSOs with Florida. Typical soapbox stories included:

- It was a pleasure to work every ham in the state of Florida – Michael, N1TA
- Like others, FL was 23% of my Qs, more than MA at 20%! Larry, W1DYJ
- Fun contest...Great opening to FL Sunday morning, they all sounded like locals – Lloyd, KH6LC

• Saturday early opening to ZL at 1740 and then nice opening to S/A. CX/LU/PY/YV, then back scatter looking southeast to the eastern states then it opened direct to FL, up the coast to CT – Frederick, K6IJ

These, and many other similar comments, suggested that propagation from many different parts of the USA to Florida was especially good during 2018.

With those first two comments being from stations in Massachusetts. I thought it would be enlightening to look at log data to see if, in fact, there was a higher percentage of QSOs with Florida than in past years. As a comparison year I took the data from 2014, the last of the "higher sunspot years". I calculated the percentage of QSOs for stations in Massachusetts with the other states in the lower 48 for both 2014 and 2018 and then calculated the change. The amount of change was then used as value to color in a map. If the percentage of QSOs with a state decreased, the state was colored red. If it increased it was colored green. If it changed a lot, then the color is dark and if it changed a little then the color was light.

Sources of Stateside QSOs – for stations in Massachusetts Changes as a % of total from 2014 to 2018

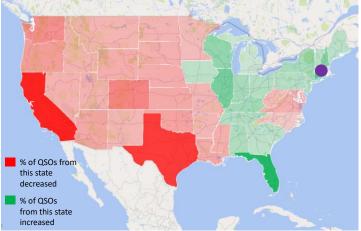


Figure 5 – Where QSOs came from for stations in Massachusetts — 2018 vs 2014

Looking at Figure 5 we can see data supports the soapbox comments. The darkest green state was, in fact, Florida. This means Florida had the largest percentage increase from 2014 to 2018 as a source of QSOs for stations in Massachusetts. Looking at the overall map it also seems to tell the expected story. Stations far away to the west all decreased as a source of QSOs. As the sunspot cycle has waned so has long-distance F2 propagation on east-west paths. Conversely states in the Midwest and up and down the East Coast increased as a source of QSOs. To some extent this is because of QSOs with the western states decreased even more, but it also is indicative of QSOs made during E-skip openings which, by their very nature are shorter distance.

With the log examination tools I created it was relatively easy to look at some other states as well. I looked at Wisconsin, Washington and California. All of these also show that their percentage of QSOs with Florida increased over 2014. It does seem like "all paths lead to Florida" was the theme of the 2018 contest.

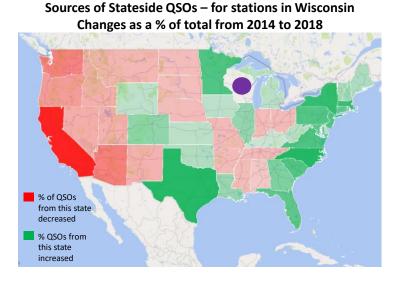


Figure 6 – Where QSOs came from for stations in Wisconsin — 2018 vs 2014

The maps from California and Washington are fascinating. They show increases in the % of QSOs from states quite some distance away. In Washington's case the whole southeast increased as a source of QSOs – Florida, Georgia, and Alabama. This contrasts with Massachusetts that saw decreases in QSO % from long distance states.

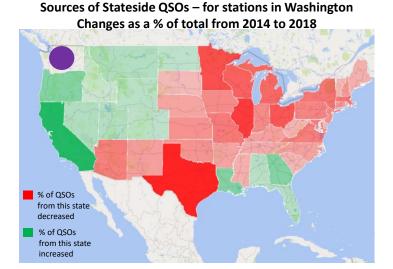


Figure 7 – Where QSOs came from for stations in Washington — 2018 vs 2014

Sources of Stateside QSOs – for stations in California Changes as a % of total from 2014 to 2018

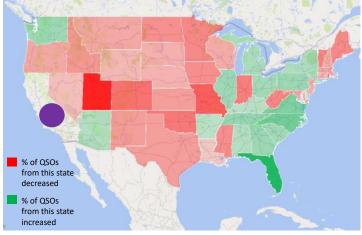


Figure 8 – Where QSOs came from for stations in California – 2018 vs 2014

There is probably another story in here relative to propagation types – E-skip, F2, etc. This is not the year to dig into this too deeply. If you are interested, the 2016 10 Meter Contest results article covers this topic in some detail. It can be found at <u>contests.arrl.org.</u>

The other side of this story about "All paths leading to Florida" is the viewpoint from stations in Florida. Looking at the same map of where QSOs came from, it looks pretty much like Massachusetts. A bigger percentage of QSOs from close in states reflective of shorter propagation than 2014. Nothing looks out of the ordinary here.

% of QSOs from this state decreased % of QSOs throw this state increased

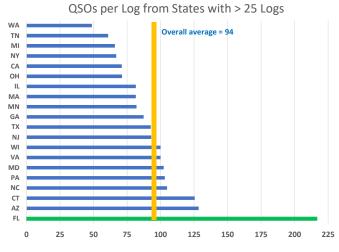
Figure 9 – Where QSOs came from for stations in Florida – 2018 vs 2014

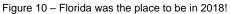
Sources of Stateside QSOs – for stations in Florida Changes as a % of total from 2014 to 2018

Next let's look at a comment from a Florida station:

• Surprisingly good propagation to specific regions. At times, signals were extremely strong and, at other times, very marginal. Many times propagation was to a wide area, such as 8s & 9s, but at other times it was focused on a particular state. A Saturday afternoon opening to the West Coast was a real treat. – George, K5KG

Here the perspective is coming through, "Hey, we had a pretty good contest!" Note that the states showing relative increases in sources for QSOs for Florida are homes of large ham populations. These could easily translate into a good QSO count. And if we look at the average QSOs per log by each state you can see Florida was the place to be in 2018. Operators there averaged 2.5 times the QSOs of the average operator in the USA and 1.7 times the QSOs of operators in state with the second most — Arizona.





Florida was ideally situated for the propagation that weekend in two ways. First, for the long-distance openings from the West Coast which were strongest to the southeast, aka Florida. And second, for the shorter distance openings from the large population centers in the East and Midwest. Operators in Florida benefited from this propagation and attention and achieved 6 first-place Division scores across W-VE-XE, the most of any state. They also benefited when it came to Club Competition as will be seen later in this article.

Category Winners and New Records

One measure of the improved conditions in 2018 over 2017, albeit in focused geographies, were the increases in the worldwide high category scores. In 18 of the 20 categories the score of the category winner increased in 2018 over 2017 and by an incredible average of 250 percent. Additionally, there were increases in the stateside multiplier counts of the top stations. N4BP managed to

work 49, just missing Alaska for the Worked All States sweep. In 2017 the top state multiplier count was 42 by KTØK. As mentioned earlier, conditions still did not support worldwide QSOs especially on east-west paths. There were no reported QSOs between the United States and Asia. There were only three reported QSOs between the United States and Europe. A single station in Germany was logged calling stations in Florida, Arizona, and California during a 30-minute period on Saturday. If valid QSOs, these would be amazing examples of spotlight long distance propagation. The rest of us will need to wait for future years for that propagation to return.

Looking at the worldwide 2018 Category Winners, special mention goes to PY2NY as a repeat winner from 2017 in the Single Operator, Mixed Mode, QRP category. CX7SS and LU7DID were back-to-back winners as well, but in different categories. In 2017 CX7SS operating as CV7S took top honors in the Single Operator Unlimited, Phone Only, High Power category. In 2018 he competed in the Single Operator, Phone Only, High Power category for the repeat. In 2017 LU7DID won the Single Operator Unlimited, CW Only, QRP category. In 2018 he operated as LT7D in the Single Operator Unlimited, CW Only, Low Power category for his repeat. Congratulation for all three of these winners for committing to a world-high effort two years in a row at the bottom of the solar cycle.

In a year like 2018, even though better than 2017, being able to set a new all-time record is a tough challenge. In fact, no new World, W-VE-XE, or DX records were set. Two W-VE-XE Division records were set as KØTLG made the first-ever entry from the Dakota Division in the Single Operator Unlimited, Mixed Mode, ORP category and XE2JTS made the first ever entry from Mexico in the Single Operator Unlimited, Phone Only, QRP category. Additionally, two new Continent records were set. LU4VZ set the record from South America for Single Operator Unlimited, Phone Only, QRP category, beating the prior record set by YY4KCV in 2015. DU3GKT set the Single Operator Unlimited, CW Only, QRP category record for Oceania with a first-ever entry in this category. You must give all these operators credit for operating QRP in a year with minimal propagation!

More broadly, 56 W-VE-XE Section and DX Entity records were set in 2018. Of these 39 where first-ever entries in the category. Seventeen represented scores that beat or tied a previous high score. There were only 6 such examples in 2017. Here is another example of where the slightly better conditions in 2018 did result in higher scores.

ARRL Affiliated Club Competition

Club competition continues to be a popular and fun aspect of this contest. Operators get a chance to be part of a team while still operating from their home QTH. For many operators it is motivating to get on the air to make some points for their club or to compete for honors against rival club members. Many operators mention in their soapbox comments something similar to, "Wanted to get on the air to make some points for our club." Just a way to have some fun on a December weekend.

In 2018 a total of 665 operators submitted logs that were also credited towards ARRL Affiliated Club Competition. This means about 52% of the W/VE operators were part of one of the 48 different clubs that participated. Given the conditions this year club organizers were key in motivating folks to get on the air. Way to go club organizers!

In the Local Category, the Central Virginia Contest Club (CVCC) took top honors among the nine clubs in this category. With their win they recaptured the top spot after an unaccustomed second-place in 2017. The win means the CVCC has captured first for 6 out of the last 7 years! In 2018 the CVCC's 6 entrants combined for a bit more than 161,000 points. This was well over double the score it took to win in 2017. CVCC's success formula this year? High-scoring entrants. Though they had fewer entrants than second place Hampden County Radio Association, each CVCC member had double the average score and this is what pushed them to the win.

In the always popular and competitive Medium category, 36 clubs fought it out. Total entries were up nicely from the 28 that entered in 2017. When it was all over Florida Contest Club (FCG) leveraged their propagation advantage and cruised to an easy victory. They were so far in front that their score just about equaled the sum of the next five clubs combined! Wow. None of the other clubs really had a chance. FCG's average score per member was 3–4 times that of other clubs. The Alabama Contest Group got relatively close on a score per member basis but with only 8 logs entered they could not match FCG's 37 entrants. As a final statement on the FCG's amazing performance, they would have won the Unlimited Club category if they had entered that!

In the Unlimited category only three clubs fought it out in 2018. Congratulations to the 98 members of the Potomac Valley Radio Club (PVRC) who came out on top by a comfortable margin over the Minnesota Wireless Association (MWA). This win means the PVRC has now won the Unlimited category 6 of the last 7 years. PVRC's success formula for 2018 was, as it was in 2017, member turnout. Their score per member was actually less than

MWA but they had 60% more entries. In fact, PVRC has had essentially the same number of entrants in 2016, 2017, and 2018 which is a testament to their organization and motivation. There are not many clubs that can pull that off.

Congratulations to all the clubs and their organizers.

Affiliated Club Competition

Club	Score	Entries
Unlimited		
Potomac Valley Radio Club	1,869,714	98
Minnesota Wireless Assn	1,222,374	60
Society of Midwest Contesters	918,362	52
Medium		
Florida Contest Group	2,932,806	37
Frankford Radio Club	896,250	40
Yankee Clipper Contest Club	746,166	43
Arizona Outlaws Contest Club	620,798	25
Alabama Contest Group	450,030	8
Southern California Contest Club	397,818	24
Central Texas DX and Contest Club	328,418	12
Northern California Contest Club	262,520	23
Contest Club Ontario	227,268	20
Mad River Radio Club	197,798	15
Georgia Contest Group	194,206	5
Kentucky Contest Group	193,320	9
South East Contest Club	177,250	9
Carolina DX Association	172,782	6
Mother Lode DX/Contest Club	169,366	11
DFW Contest Group	167,014	14
Texas DX Society	166,240	10
Tennessee Contest Group	124,324	12
Hudson Valley Contesters and DXers	117,270	8
North Texas Contest Club	90,392	3
Northeast Maryland Amateur Radio Contest	90 F14	0
Society Kansas City Contest Club	89,514 71,698	9 4
Grand Mesa Contesters of Colorado	57,854	4 10
Driftless Zone Contesters	51,724	4
Western Washington DX Club	33,296	8
Order of Boiled Owls of New York	31,988	4
Willamette Valley DX Club	27,594	6
Pacific Northwest VHF Society	23,904	3
Portage County Amateur Radio Service	13,192	4
Rochester (NY) DX Assn	11,626	3
Six Meter Club of Chicago	10,562	5
Northern Arizona DX Assn	10,386	3
Swamp Fox Contest Group	9,512	4
North Coast Contesters	8,144	4
Big Sky Contesters	4,018	3
Maritime Contest Club	3,500	3
Local		
Central Virginia Contest Club	161,100	6
Hampden County Radio Association	138,256	10
Niagara Frontier Radiosport	42,432	7
Athens County ARA	37,896	3
CTRI Contest Group	25,176	4
Bristol (TN) ARC	17,104	4
THE VILLAGES AMATEUR RADIO CLUB	8,070	3
Metro DX Club	1,592	3
Silver Comet Amateur Radio Society	1,538	4

Having Fun in 2019 (And Beyond!)

The 47th annual ARRL 10 Meter Contest will be held on December 14th and 15th, 2019. What might we expect this year? Well, it's pretty much the same as we experienced in 2018 and in 2017. We are at the bottom of the solar cycle and solar flux index (SFI) is pretty much as low as it can get.

For the 10 Meter Contest, solar flux is everything. A lot of it generates good propagation. Not enough of it deprives us. During the 2018 contest Solar Radio flux was in the 70 range, which is really low — almost as low as it can get. Depending on who you talk to, the minimum SFI is in the 64 to 67 range. So, in 2018 we just about hit bottom. And, unfortunately, the forecast for the 2019 contest is for the flux to decline more. Something in the range of 60 to 70 is forecasted. At this level what you will experience on the bands should be very similar to 2018 and 2017.

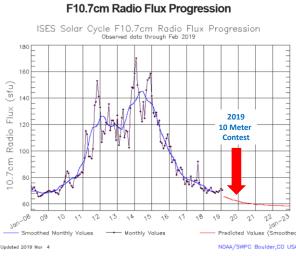


Figure 11 - Solar Flux forecast, courtesy of NOAA/SWPC

Remember though, even without high SFI there was fun to be had by being in the right place at the right time and using your creativity and knowledge of propagation and operating modes. In 2018 and 2017 the contest started with a long period of sporadic-E ionization covering much of the United States. Experienced 10 meter operators caught that opening and had some real fun.

Figure 12 shows how operators in the US jumped on the air after finding out that band was open at the start of the contest. During the first hour, 371 operators made at least one QSO. Five hours later when the opening closed another 278 had joined them for a total of 649. Over 50% of all USA operators that turned in a log made QSOs during the first 6 hours of the contest. So, remember you have to be at the radio to make QSOs. Don't sit on the sidelines. You would rather look back and say "Boy, that was fun catching that opening" rather than "I can't believe I missed that opening".

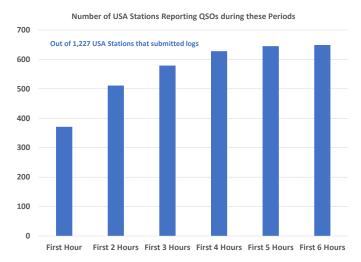


Figure 12 – Operators take advantage of the e-skip openings early in the contest.

Let me repeat my usual advice on how to make QSOs and have fun in these low sunspot years. There will be numerous opportunities to make QSOs in 2019 just like there were in 2018 and 2017. The strategies are:

First, an ability to operate CW is key for Mixed Mode entries or those Single Operators interested in maximum QSO counts. CW is a much more effective emission mode in times of marginal propagation. In 2018, 63% of the reported QSOs were made on CW. This was actually a reduction from 76% in 2017 because the better propagation allowed more phone QSOs to be made. But you are always best off being prepared to make CW QSOs.

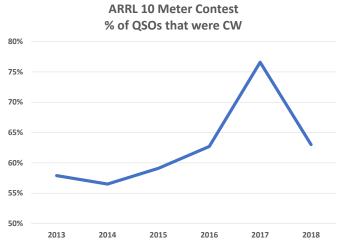


Figure 13 – in weak propagation years, CW is the mode that gets through.

Second, seek out other propagation modes than traditional long distance F2-layer ionosphere refraction. This will be key for those seeking top scores, meeting your personal goals, or just having fun. For instance: backscatter, meteor scatter, transequatorial, and sporadic E ionization will become more important. If you are not familiar with these the ARRL Bookstore has several books which can help you out.

Third is to have patience and conviction to find path openings that may exist for only minutes over the whole weekend rather than hours on end. Meteor scatter is ethereal in nature with the path open for just a few seconds. It is best around your local dawn — though it could happen any time in the day.

Sporadic E often occurs in the early evening hours just when you think you might as well walk away from the radio and the 10 meter band. "It's shut down for good!" may be your thinking. Not always! Carlin, N5OE, mentioned in his 2018 soapbox "SOOO glad I went ahead and got on Friday night. Turns out band was open way past sunset. Almost decided to wait and just work all day Sat and Sunday. I would have to say 80% of my log came from Friday night's openings."

Regular F2 openings will be short, sometimes really short. As Jim, AD1C, mentioned in his 2016 soapbox: "I heard JM7OLW for about 30 seconds on Sunday." That was the extent of his opening from Colorado to Japan. Or as Steve, K6SCA, put it: "Many times the band would open for a minute or so, then just totally fade away. You never knew where your next contact would come from."

It may also be tempting in these years to just say "I will just watch the spotting network or panadapter and let others tell me when the band is open." Based on soapbox comments it seems like more and more operators have a panadapter or bandscope. Typical 2018 comments were:

- Would periodically come into the shack and peek at the 6600 panadapter Hunter, K3IE
- *PX3 used to check periodically for activity Ryan, AI6DO.*
- I came to like my bandscope a great deal during this contest Dan, K2YWE

Remember if everyone used this strategy you would never know when the band was open. Someone has to call CQ. My recommendation is to commit yourself to actual seat time using that big knob on the front of the radio to tune the band yourself to see what you can hear. If you don't hear anything then call CQ for 5-10 minutes. So, even if you encounter a seemingly dead band, try calling CQ for a while. The key to a successful operating strategy in 2019 will be to catch the band openings. [Beacon mode on a keyer can be very effective while you do something else in the station – *Ed*.]

Additional Analysis and Insights

In the seven prior years I have written about the ARRL 10 Meter Contest, I have provided additional in-depth analysis beyond the results and people. The intent being to provide insight into contest strategy and planning, how the 10 meter band behaves, or just something to satisfy my, and hopefully your, curiosity. In past years I examined the following topics. These articles can be found on the ARRL web site in the 10 Meter Contest Expanded Results articles (contests.arrl.org).

2011

- A Skimmer View of the Contest -- looking at Europe, Asia, and South America openings
- Skimmer Spots Counts as a way to Predict Scores?
- Phone versus CW Mix -- A magic formula?
- A Bit of Contest History

2012

- A Skimmer View of the Contest -- looking at the North America to Europe Opening as well as some perspectives on skimmer spot quality and usage.
- Contest Planning Insights -- characterizing the locations and activity levels in the US by state.

2013

- A look into the North America to Europe opening
- Contest logging program usage

2014

- Breakthrough animated movies of propagation from the US to major contest areas.
- A look at late evening activity in the US and its impact on three close races
- An updated look at contest logging program usage
- New world records established in 2014
- So how many stations really were on the air and how many QSOs were made?

2015

- An updated look at contest logging program usage
- New world records established in 2015
- Total contest activity how many stations were on the air and how many QSOs did they make?
- Investigating propagation differences in the US between 2014 and 2015

2016

- A very deep dive into 10 meter propagation and how both E-skip and F2 propagation played roles during the contest with visual QSO "movies" to demonstrate.
- An update on entry category usage three years into the Unlimited Category era.
- Updated World, W/VE/XE, and DX records. (News flash for 2017! There were no changes in these.)
- My annual update on logging program usage.

2017

- My annual update on logging program usage.
- An in-depth study of Log Check Reports to develop recommendations on how to improve your logging accuracy.

This year I examined the changes in state-to-state QSOs presented earlier and here am providing my annual update on logging program usage.

As I have done in past years, I looked at what logging programs operators were using for the ARRL 10 Meter Contest. With access to Cabrillo log files it is easy to investigate. One of the standard Cabrillo tags is "CREATED-BY:" which is followed by the name of the logging program. A simple Python program looks through all the logs tallying the programs everyone used.

For the 2018 ARRL 10 Meter Contest logging program usage looked like this:

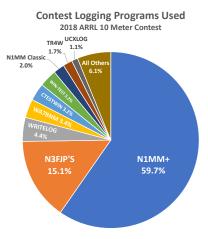


Figure 14 – 2018 Logging Program Usage

There are a few programs on this list I am not familiar with. The ARRL 10 Meter Contest is a worldwide event and there are several countries with a logging program that is popular just in their country or region. For example, CTESTWIN is popular in Japan and UcxLog is popular in central and eastern Europe. There are also a substantial number of operators who still log by hand and then use the WA7BNM Cabrillo Web Form to create their log file. In 2018 there were 50 different logging programs used by someone. Overall though, the N1MM family is used by far more contesters than any other logging program. It is used by about four times as many contesters as the second most popular logging program, N3FJP. Looking into the N1MM family itself you can see the migration to N1MM+ marching along. 2018 represented the fifth running of the ARRL 10 Meter Contest since N1MM+ was launched in August 2014. In 2018 97% of NIMM users were using N1MM+ versus 53% in 2014. During the year since the 2017 contest the percentage of users still hanging on to N1MM Classic dropped in half from 6% to 3%. I think 2019 is the last time I am going to report on this. The transition is essentially over.

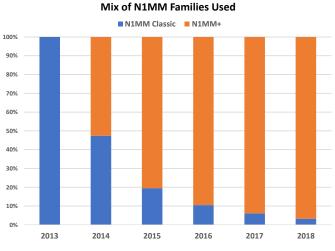


Figure 15 – N1MM Classic is fading into the sunset.

The N1MM+ functionality that encourages/forces you to use the latest version seems to be effective as well as almost 73% of N1MM+ logs were created by the latest version at the time of the contest. Whereas among the N1MM Classic users there were more than 25 different versions in use stretching across 5 different major releases.

To observe longer term trends in program usage I compared the logging programs used in 2018 to those used in 2013. Among the Top 10 programs, the *N1MM* family and *N3FJP* are the only ones to show significant growth. *N1MM* family usage has increased from 45.4% of logs in 2013 to 61.7% of logs in 2017. Both *Win-Test* and *TR4W* usage have declined over the same period by 4.2% and 3.4%, respectively. *WriteLog* usage has also decreased by 1.3%. Though some of these changes is being driven by changes in the geographic mix of logs, the overall story is really one about continued consolidation around one major logging platform — *N1MM*+.

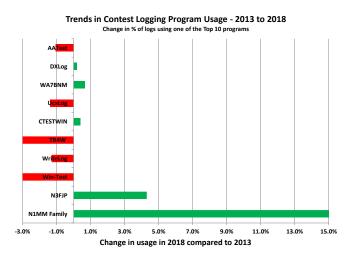


Figure 16– Only two logging programs have seen substantial growth since 2013 $\,$

Another perspective about contest logging program that I have heard discussed is "What do serious contesters use?" Using a metric of "Average size of log submitted" seems at least plausible to provide this insight. Serious contesters usually make more QSOs than the casual ones. Using this metric, the view looks as follows:

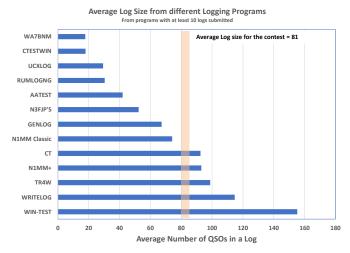


Figure 17 – What loggers are used by the big guns?

Win-Test and *WriteLog* users have the largest average log size. Almost 50-100% larger than the average log. *CT* and *TR4W* also have logs larger than average. These two "oldie but goodie" loggers must have some die-hard users among a few serious contesters. *N1MM* logs are just a little above average. It's hard for it to be much different than average since it is used by almost 2/3rds of the contesters. Also interesting is that *N3FJP*, which is the second most popular program, has relatively small logs at around half the average log size. It would thus seem to appeal to more casual contesters.

Top Ten Scores

United States

Single Operator, Mixed Mode, High Power	
N800	443,954
N4EEB	419,136
WØAIH (NE9U, op)	384,652
K5NA	231,952
N4OX	210,504
K1KI	196,876
N4YDU	155,216
K3ZO	141,100
кøтт	135,408
WAØMHJ	112,660
Single Operator, Mixed Mode, Low Power	
K2PS	178,746
N8II	169,260
WB4TDH	132,624
WD5F	77,836
K4EJ	57,230
KØAD	46,632
ND9G	43,890
WA7NB	41,760
N4OO	39,894
WN6K	28,208
Single Operator, Mixed Mode, QRP	
WA6FGV	10,010
N4ELM	6,790
WB2AMU	3,780
K2YGM	936
NA4C	364
AF9J	252
WA2CLP	228
K6DAJ	100
KEØL	8
WC7S	2
Single Operator, Phone Only, High Power	
W5PR	77,520
AF1T	31,050
KE2DX	27,448
W4DD	25,248
K2XA	23,422
N8RA	13,200
KF9US	9,912
WA8UEG	9,512
N4MM	9,324
4U1WB (AJ3M, op)	8,892
Single Operator, Phone Only, Low Power	
K2SDS	10,428
NO2EL	5,220
NF7E	4,452
N9RJM	4,450
WD5DJW	4,268
KB4OLM	3,456
KC1IH	2,968
W3MBC	2,832
N1NQD	2,688
N9OU	2,496

Single Operator, Phone Only, QRP	
W6QU (W8QZA, op)	3,234
WB6CZG	108
KS4GW	72
KC9AMM	32
KEØJWQ	22
KM6HDY	4
N1AIA	2
Single Operator, CW Only, High Power	
NN7CW	248,080
N4TB	238,920
NN4X	96,580
N2IC	88,500
N4XD	86,612
KU8E	74,420
N4KS	72,128
KVØQ K6NR	62,832
KABAI	61,824 58,864
	58,804
Single Operator, CW Only, Low Power	
N4WW (N4KM, op)	177,936
AE5GT	77,040
W3BGN	63,400
W9RE K1VUT	46,848 44,712
K7SV	39,780
KØFLY	39,396
N1TO	36,120
N5EE	33,368
N7YK	33,136
Single Operator, CW Only, QRP	
N5OE	31,356
N7RCS	16,848
N8AP	10,440
K2YAZ	10,296
AC4G	5,040
W4ZGR	4,324
N3GD	4,232
K2SM K4NAX	3,740 3,360
W5GZ	3,168
Single Operator Unlimited, Mixed Mode, High Powe	
W3EP	199,120
K5KG	189,372
K4WI N4RV	155,430 139,958
K4MM	134,136
N2TU	111,962
W040	110,880
K3WW	103,964
K4LQ	101,100
AA5AU	95,472
Single Operator Unlimited, Mixed Mode, Low Powe	r
K9OM	105,544
К5КЈ	61,236
W4EE	43,440
NØEO (AAØAW, op)	38,976
N5DO	19,980
K1ZE	19,694

WA2JQK	19,504
N8VV	18,648
KØEA	17,404
W3KB	15,624
Single Operator Unlimited, Mixed Mode, QRP	
K2GMY	7,130
K8ZT	2,080
KØTLG	1,008
K2QO	704
K6MI	448
Single Operator Unlimited Rhope Only, High Rower	
Single Operator Unlimited, Phone Only, High Power W2RD	21 052
WZRD WV4P	21,952
	9,120
KC1BB	8,040
KN4BIT	7,350
K4KKC	5,460
K3SOM	4,464
W9JA	2,400
N8PCN	2,080
W4KW	1,824
WS4WW	1,722
Single Operator Unlimited, Phone Only, Low Power	
K2DRH	38,266
W4ZAO	
	3,744
AJ4VE	1,188
N9UDO	768
W5TCB	756
K4LDC	726
KC2DPF	520
K5YM	504
N7MZW	352
N8VZ	252
Single Operator Unlimited, Phone Only, QRP	
	32
KC3KBE	32
	32
КСЗКВЕ	32 247,792
KC3KBE Single Operator Unlimited, CW Only, High Power	
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP	247,792 136,144
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM	247,792 136,144 119,808
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST	247,792 136,144 119,808 101,760
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST W6YX (N7MH, op)	247,792 136,144 119,808 101,760 87,108
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST W6YX (N7MH, op) KØNM	247,792 136,144 119,808 101,760 87,108 82,592
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST W6YX (N7MH, op) KØNM NR4M	247,792 136,144 119,808 101,760 87,108 82,592 73,416
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST W6YX (N7MH, op) KØNM NR4M WA1J (N1TA, op)	247,792 136,144 119,808 101,760 87,108 82,592 73,416 73,216
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST W6YX (N7MH, op) KØNM NR4M WA1J (N1TA, op) AA3B	247,792 136,144 119,808 101,760 87,108 82,592 73,416 73,216 71,820
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST W6YX (N7MH, op) KØNM NR4M WA1J (N1TA, op)	247,792 136,144 119,808 101,760 87,108 82,592 73,416 73,216
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST W6YX (N7MH, op) KØNM NR4M WA1J (N1TA, op) AA3B	247,792 136,144 119,808 101,760 87,108 82,592 73,416 73,216 71,820
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST W6YX (N7MH, op) KØNM NR4M WA1J (N1TA, op) AA3B KØLUZ	247,792 136,144 119,808 101,760 87,108 82,592 73,416 73,216 71,820
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST W6YX (N7MH, op) KØNM NR4M WA1J (N1TA, op) AA3B KØLUZ Single Operator Unlimited, CW Only, Low Power	247,792 136,144 119,808 101,760 87,108 82,592 73,416 73,216 71,820 70,992
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST W6YX (N7MH, op) KØNM NR4M WA1J (N1TA, op) AA3B KØLUZ Single Operator Unlimited, CW Only, Low Power W9XT	247,792 136,144 119,808 101,760 87,108 82,592 73,416 73,216 71,820 70,992 65,448
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST W6YX (N7MH, op) KØNM NR4M WA1J (N1TA, op) AA3B KØLUZ Single Operator Unlimited, CW Only, Low Power W9XT WT9Q	247,792 136,144 119,808 101,760 87,108 82,592 73,416 73,216 71,820 70,992 65,448 47,880
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST W6YX (N7MH, op) KØNM NR4M WA1J (N1TA, op) AA3B KØLUZ Single Operator Unlimited, CW Only, Low Power W9XT WT9Q K2DFC	247,792 136,144 119,808 101,760 87,108 82,592 73,416 73,216 71,820 70,992 65,448 47,880 41,400
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST W6YX (N7MH, op) KØNM NR4M WA1J (N1TA, op) AA3B KØLUZ Single Operator Unlimited, CW Only, Low Power W9XT WT9Q K2DFC NØNI	247,792 136,144 119,808 101,760 87,108 82,592 73,416 73,216 71,820 70,992 65,448 47,880 41,400 35,616 26,788
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST W6YX (N7MH, op) KØNM NR4M WA1J (N1TA, op) AA3B KØLUZ Single Operator Unlimited, CW Only, Low Power W9XT W19Q K2DFC NØNI W5RYA W1VEM	247,792 136,144 119,808 101,760 87,108 82,592 73,416 73,216 71,820 70,992 65,448 47,880 41,400 35,616 26,788 25,620
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST W6YX (N7MH, op) KØNM NR4M WA1J (N1TA, op) AA3B KØLUZ Single Operator Unlimited, CW Only, Low Power W9XT W19Q K2DFC NØNI W5RYA W1VEM AA4NP	247,792 136,144 119,808 101,760 87,108 82,592 73,416 73,216 71,820 70,992 65,448 47,880 41,400 35,616 26,788 25,620 19,312
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST W6YX (N7MH, op) KØNM NR4M WA1J (N1TA, op) AA3B KØLUZ Single Operator Unlimited, CW Only, Low Power W9XT W19Q K2DFC NØNI W5RYA W1VEM AA4NP K8AJS	247,792 136,144 119,808 101,760 87,108 82,592 73,416 73,216 71,820 70,992 65,448 47,880 41,400 35,616 26,788 25,620 19,312 15,744
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST W6YX (N7MH, op) KØNM NR4M WA1J (N1TA, op) AA3B KØLUZ Single Operator Unlimited, CW Only, Low Power W9XT W19Q K2DFC NØNI W5RYA W1VEM AA4NP K8AJS WA3MD	247,792 136,144 119,808 101,760 87,108 82,592 73,416 73,216 71,820 70,992 65,448 47,880 41,400 35,616 26,788 25,620 19,312 15,744 12,992
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST W6YX (N7MH, op) KØNM NR4M WA1J (N1TA, op) AA3B KØLUZ Single Operator Unlimited, CW Only, Low Power W9XT W19Q K2DFC NØNI W5RYA W1VEM AA4NP K8AJS	247,792 136,144 119,808 101,760 87,108 82,592 73,416 73,216 71,820 70,992 65,448 47,880 41,400 35,616 26,788 25,620 19,312 15,744
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST W6YX (N7MH, op) KØNM NR4M WA1J (N1TA, op) AA3B KØLUZ Single Operator Unlimited, CW Only, Low Power W9XT W19Q K2DFC NØNI W5RYA W1VEM AA4NP K8AJS WA3MD	247,792 136,144 119,808 101,760 87,108 82,592 73,416 73,216 71,820 70,992 65,448 47,880 41,400 35,616 26,788 25,620 19,312 15,744 12,992
KC3KBE Single Operator Unlimited, CW Only, High Power N4BP N2MM N6SS K3EST W6YX (N7MH, op) KØNM NR4M WA1J (N1TA, op) AA3B KØLUZ Single Operator Unlimited, CW Only, Low Power W9XT W19Q K2DFC NØNI W5RYA W1VEM AA4NP K8AJS WA3MD W4KPG	247,792 136,144 119,808 101,760 87,108 82,592 73,416 73,216 71,820 70,992 65,448 47,880 41,400 35,616 26,788 25,620 19,312 15,744 12,992

NØUR	1,680	
W6MZ	1,300	
W5/KH6KG	384	
N3CW	88	
NSCW .	00	
Multioperator, Single Transmitter, High Power		
NX5M	281,280	
NV9L	247,170	
AA1JD	159,360	
W4DR	110,296	
N7AT	108,984	
W8PR	77,356	
W6UE	67,200	
W3RFC	66,000	
W4AAW	63,624	
K3CCR	56,012	
	,	
Multioperator, Single Transmitter, Low Power		
NC1CC	20,280	
WA1S	16,200	
W1FM	10,816	
W7TVC	10,304	
W4AMC	9,724	
W8RP		
	7,936	
KØNR	5,940	
W9ET	2,992	
КСЗКОН	464	
W4BSF	84	
Canada		
Canada		
Single Operator, Mixed Mode, High Power		
Single Operator, Mixed Mode, High Power VE3KZ	99.858	
VE3KZ	99,858 14 280	
VE3KZ VE3MM	14,280	
VE3KZ VE3MM VE3TW	14,280 2,204	
VE3KZ VE3MM VE3TW VE3BR	14,280 2,204 2,016	
VE3KZ VE3MM VE3TW	14,280 2,204	
VE3KZ VE3MM VE3TW VE3BR VE2EZD	14,280 2,204 2,016	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power	14,280 2,204 2,016 80	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA	14,280 2,204 2,016 80 31,120	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM	14,280 2,204 2,016 80 31,120 2,688	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON	14,280 2,204 2,016 80 31,120 2,688 1,170	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR VE3CNA	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR VE3CNA	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR VE3CNA VE6/KE5JA	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494 150	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR VE3CNA VE6/KE5JA VE6/KE5JA VE2NCG VE3OTL	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494 150 32	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR VE3CNA VE6/KE5JA VE6/KE5JA VE2NCG VE3OTL Single Operator, Phone Only, High Power	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494 150 32 2	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR VE3CNA VE6/KE5JA VE6/KE5JA VE2NCG VE3OTL	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494 150 32	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR VE3CNA VE6/KE5JA VE6/KE5JA VE6/KE5JA VE2NCG VE3OTL Single Operator, Phone Only, High Power VA2BN	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494 150 32 2	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR VE3CNA VE6/KE5JA VE6/KE5JA VE2NCG VE3OTL Single Operator, Phone Only, High Power VA2BN Single Operator, Phone Only, Low Power	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494 150 32 2 4,872	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR VE3CNA VE6/KE5JA VE6/KE5JA VE2NCG VE3OTL Single Operator, Phone Only, High Power VA2BN Single Operator, Phone Only, Low Power VA2LGQ	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494 150 32 2 4,872 70	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR VE3CNA VE6/KE5JA VE6/KE5JA VE2NCG VE3OTL Single Operator, Phone Only, High Power VA2BN Single Operator, Phone Only, Low Power	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494 150 32 2 4,872	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR VE3CNA VE6/KE5JA VE6/KE5JA VE2NCG VE3OTL Single Operator, Phone Only, High Power VA2BN Single Operator, Phone Only, Low Power VA2LGQ	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494 150 32 2 4,872 70	
VE3KZ VE3MM VE3TW VE3TW VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VA3EON VE7ZR VE3CNA VE6/KE5JA VE2NCG VE3OTL Single Operator, Phone Only, High Power VA2BN Single Operator, Phone Only, Low Power VA2LGQ VA2DG VE3BKM	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494 150 32 2 4,872 70 24	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR VE3CNA VE7ZR VE3CNA VE6/KE5JA VE2NCG VE3OTL Single Operator, Phone Only, High Power VA2BN Single Operator, Phone Only, Low Power VA2LGQ VA2DG VE3BKM Single Operator, CW Only, High Power	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494 150 32 2 4,872 70 24 8	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR VE3CNA VE6/KE5JA VE6/KE5JA VE2NCG VE3OTL Single Operator, Phone Only, High Power VA2BN Single Operator, Phone Only, Low Power VA2LGQ VA2DG VE3BKM Single Operator, CW Only, High Power VE3BKM	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494 150 32 2 4,872 70 24 8 20,088	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR VE3CNA VE6/KE5JA VE6/KE5JA VE6/KE5JA VE2NCG VE3OTL Single Operator, Phone Only, High Power VA2BN Single Operator, Phone Only, Low Power VA2LGQ VA2DG VE3BKM Single Operator, CW Only, High Power VE9HF VE3PN	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494 150 32 2 4,872 70 24 8 20,088 11,128	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR VE3CNA VE6/KE5JA VE6/KE5JA VE2NCG VE3OTL Single Operator, Phone Only, High Power VA2BN Single Operator, Phone Only, Low Power VA2LGQ VA2DG VE3BKM Single Operator, CW Only, High Power VE3BKM	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494 150 32 2 4,872 70 24 8 20,088	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR VE3CNA VE6/KE5JA VE6/KE5JA VE6/KE5JA VE2NCG VE3OTL Single Operator, Phone Only, High Power VA2BN Single Operator, Phone Only, Low Power VA2LGQ VA2DG VE3BKM Single Operator, CW Only, High Power VE9HF VE3PN	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494 150 32 2 4,872 70 24 8 20,088 11,128	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR VE3CNA VE6/KE5JA VE6/KE5JA VE6/KE5JA VE2NCG VE3OTL Single Operator, Phone Only, High Power VA2BN Single Operator, Phone Only, Low Power VA2LGQ VA2DG VE3BKM Single Operator, CW Only, High Power VE9HF VE3PN VE3EJ	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494 150 32 2 4,872 70 24 8 20,088 11,128 10,700	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR VE3CNA VE7ZR VE3CNA VE6/KE5JA VE2NCG VE3OTL Single Operator, Phone Only, High Power VA2BN Single Operator, Phone Only, Low Power VA2LGQ VA2DG VE3BKM Single Operator, CW Only, High Power VE3HF VE3PN VE3EJ VE3NNT	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494 150 32 2 4,872 70 24 8 20,088 11,128 10,700 10,560 3,536	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR VE3CNA VE7ZR VE3CNA VE6/KE5JA VE2NCG VE3OTL Single Operator, Phone Only, High Power VA2BN Single Operator, Phone Only, Low Power VA2LGQ VA2DG VE3BKM Single Operator, CW Only, High Power VE3HF VE3PN VE3PN VE3EJ VE3NNT VE3NNT VA7ST	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494 150 32 2 4,872 70 24 8 20,088 11,128 10,700 10,560 3,536 2,240	
VE3KZ VE3MM VE3TW VE3BR VE2EZD Single Operator, Mixed Mode, Low Power VE1ZA VA7MM VA3EON VE7ZR VE3CNA VE7ZR VE3CNA VE6/KE5JA VE2NCG VE3OTL Single Operator, Phone Only, High Power VA2BN Single Operator, Phone Only, Low Power VA2EQ VA2DG VE3BKM Single Operator, CW Only, High Power VE3BKM Single Operator, CW Only, High Power VE3BKM VE3EJ VE3NNT VE3A	14,280 2,204 2,016 80 31,120 2,688 1,170 1,056 494 150 32 2 4,872 70 24 8 20,088 11,128 10,700 10,560 3,536	

VE6BBP VA1MM	1,892 56
Single Operator, CW Only, Low Power VA3GUY VE3VN VE3TM VE3FJ VE3SST VA3RKM VE5GC VE4JBB VE6QO VA3SY	3,344 2,664 2,352 2,296 1,584 1,056 720 720 648 608
Single Operator, CW Only, QRP VE6EX VE3CBK	768 60
Single Operator Unlimited, Mixed Mode, High Power VE5MX VA2CZ VA3WW VA2WA OT6M (ON9CC, op)	68,620 21,252 1,722 1,100 680
Single Operator Unlimited, Mixed Mode, Low Power VA3DF VE7CA VE6TL VE3KTB VE7AHT VE2GT	66,150 1,360 720 272 160 120
Single Operator Unlimited, Phone Only, High Power VA3PC VE3HED	1,944 476
Single Operator Unlimited, Phone Only, Low Power VE2HAY VE4MAD VA2FW	48 24 2
Single Operator Unlimited, CW Only, High Power VE2FK	17,664
Single Operator Unlimited, CW Only, Low Power VA3EC VE4VJR	2,880 64
Single Operator Unlimited, CW Only, QRP VA3AMX	160
Multioperator, Single Transmitter, High Power VE9CB	1,204
Multioperator, Single Transmitter, Low Power VE3LON	680

DX		PY2BN
Single Operator, Mixed Mode, High Power		JQ1NGT
	22.040	PU2NKC
VR2XAN	22,040	9W6MUL
PAIT	6,552	JA1NEZ
PV8DX	4,032	DU4DXT
G4FKA	2,940	PA2TMS
JA3QOS	2,184	JH3DMQ
F4GXX	1,470	A61BK
JA9LJS	600	
LY9Y	576	Single Operator, CW Only, High Power
VK3TZ	552	CX9AU
JF9JTS	550	CE2ML
		PJ2ND (K8ND, op)
Single Operator, Mixed Mode, Low Power		YV4ABR
LW1EUD	110,700	LU8DZJ
PV8ADI	57,120	DL2OM
OA4SS	48,822	VK2BJ
PY2AXH	18,144	HP1RIS
V31MA	14,288	VK2GR
NP2P (N2TTA, op)	8,688	VK2GN
PR4C (PY2TI, op)	8,246	
DU3LA	7,370	Single Operator, CW Only, Low Power
YV5EMG		LUSDF
	6,808	LU6DOT
YV5JGO	4,972	LW9EKA
Single Operator, Mixed Mode, QRP		V51YJ
PY2NY	15,756	
LU7VCH	5,304	PY2XC
		HP1AC
JR1UJX	2,882	LU6FLZ
PY2VTC	1,316	CO2RQ
PY1XR	858	JJ1LBJ
YBØANN	230	XQ3SK
PY2ZQ	210	Circle Onerstein CN/Only ODD
JR2EKD	120	Single Operator, CW Only, QRP
DW3TRZ	72	JA1YNE (JR1NKN, op)
PP5BSD	48	US5VX
		JM1MTE
Single Operator, Phone Only, High Power		EU6DX
CV7S (CX7SS, op)	108,576	JG1GOY
PX2A (PY2LED, op)	105,780	9A2EY
LU8VLE	41,358	JR1USU
CE5JZO	38,076	JE1ILP
НКЗС	20,424	4L6QL
CB8E (CE8EIO, op)	17,238	DJ3GE
LU5AB	17,108	
PJ4DX	13,104	Single Operator Unlimited, Mixed Mode, High Power
PY5DC	8,214	CE2LR
PY2RKG	6,032	CX5UA
FIZING	0,032	DL2ARD
Single Operator, Phone Only, Low Power		PY5ZHP
CE7VPQ	45,056	PY5AMF
FY5KE (F5DKO, op)	37,570	LU2EE (LW5EE, op)
CE6UFF	32,832	
LU9VD (LU9VEA, op)	22,776	JH4UTP
		EF5Y (EA5FR, op)
LW5DPG	22,176	DJ8OG
PY2CX	20,736	NH2DX (KG6DX, op)
TI2CC	9,590	Single Operator Unlimited Mixed Meda Law Davie
CA4PSH	9,500	Single Operator Unlimited, Mixed Mode, Low Power
TG9ADQ	9,112	9Z4Y
ZV5B	8,268	PR8KW
		PY1ZV
Single Operator, Phone Only, QRP		PY4LH
PU4ALZ	1,092	JH6WHN

142,080 87,696 37,904 23,520 21,600 6,240 5,616 4,400 2,176 2,176

134,680 49,820 37,816 34,200 11,008 8,400 6,048 4,536 3,608 3,240

174,482 87,360 72,924 64,940 57,168 30,772 11,264 9,048 5,350 4,706

> 44,288 11,376 9,288 6,188 5,112

PY1AX 4F3BZ PY1KB PY1FI PY1AN	4,608 4,268 3,800 3,360 2,520
Single Operator Unlimited, Mixed Mode, QRP JK1TCV BH6KWC LZ5QZ	1,078 456 36
Single Operator Unlimited, Phone Only, High Power PP5BZ LU5VV LU1DX ZW5T (PY5ZD, op) HI3LT (HI3CC, op) JA7OWD PY2GZ VK4QH PY2TMV S52T	85,008 71,832 60,900 41,904 27,146 3,900 700 696 384 252
Single Operator Unlimited, Phone Only, Low Power LW4EF PU8UMR PP1WW PU2UAF PY2CP YV7MAY PY3PA CE7KF VK2NSS PR7RBA PP7DX	27,108 18,768 16,660 14,476 11,610 7,936 6,688 1,560 1,008 980 980
Single Operator Unlimited, Phone Only, QRP LU4VZ PU2VJI	15,394 24
Single Operator Unlimited, CW Only, High Power P4/DL6RAI CX2BR LU7HN PP5AX OY1CT LU7YS LU3CW ZL6YOTA (ZL4YL, op) DH8BQA ZM2B (ZL2BR, op)	163,584 78,880 58,804 33,072 19,440 16,428 15,600 12,768 12,636 6,104
Single Operator Unlimited, CW Only, Low Power LT7D (LU7DID, op) PY4XX 4F3OM D4C (IK2NCJ, op) PP5PG PY3DX JG3WDN PA3DAT LA5LJA LU9DDJ Single Operator Unlimited, CW Only, QRP	110,976 21,344 6,560 6,148 2,480 2,016 1,692 1,188 900 896

Mexico	
DX9EVM	24
PY2GMR	200
LW5DW	7,178
PY2ANY	19,074
PP5EI	25,254
LU9DAG	43,092
PR2E	60,344
Multioperator, Single Transmitter, Low Power	
EA3HJO	140
EE5T	744
JK2VOC	1,020
9H6A	1,768
VK6NC	6,766
РІЗІ РУБВН	315,684 66,552
LW7DX PT3T	423,878
Multioperator, Single Transmitter, High Power	422.070
DLØBSK	120
DU3GKT	400

Single Operator, Mixed Mode, Low Power	
XE1H	4,930
XE1SVT	4,266
XE2NK	520
XE1GZU	252
Single Operator, Phone Only, High Power	
XE1RF	1,632
Single Operator, Phone Only, Low Power	
XE2PEA	6,240
XE1J	2,196
XE2PXN	1,476
XE2KSL	72
XE1DBE	36
Single Operator, CW Only, High Power	
XE2V	4,284
Single Operator, CW Only, Low Power	
XE1CT	47,040
XE1RZL	5,544
XE1AY	2,016
XE2S	1,680
XE3A	416
XE2MVY	384
Single Operator Unlimited, Mixed Mode, Low Power	
XE2OK	192
Single Operator Unlimited, Phone Only, Low Power	
XE2JS	8,820
Single Operator Unlimited, Phone Only, QRP	
XE2JTS	50
Single Operator Unlimited, CW Only, High Power	
XE2CQ	19,800
Single Operator Unlimited, CW Only, Low Power	40.000
XE2B	19,992
XE1EE	4,488
Multioperator, Single Transmitter, Low Power	
XE2N	20

Continental Winners

Africa

Africa			QRP	PA2TMS
Single Operator, Mixed Mode,			Single Operator, CW Only, High	177211015
Low Power	EA8OM	3,434	Power	DL2OM
Single Operator, Phone Only,			Single Operator, CW Only, Low	DELOIN
High Power	FR4QT	928	Power	DL9ZP
Single Operator, Phone Only,			Single Operator, CW Only, QRP	US5VX
Low Power	EA8TR	564	Single Operator Unlimited,	0001/1
Single Operator, CW Only, Low			Mixed Mode, High Power	DL2ARD
Power	V51YJ	34,200	Single Operator Unlimited,	DEZAND
Single Operator Unlimited,			Mixed Mode, Low Power	PA4O
Mixed Mode, High Power	TZ4AM	2	Single Operator Unlimited,	1740
Single Operator Unlimited,			Mixed Mode, QRP	LZ5QZ
Mixed Mode, Low Power	EA8/IK1PMR	666	Single Operator Unlimited,	LZJQZ
Single Operator Unlimited, CW				S52T
Only, Low Power	D4C (IK2NCJ, op)	6,148	Phone Only, High Power	3321
_			Single Operator Unlimited,	F 4 4 4 4
Asia			Phone Only, Low Power	EA4AA
Single Operator, Mixed Mode,			Single Operator Unlimited, CW	01/1 CT
High Power	VR2XAN	22,040	Only, High Power	OY1CT
Single Operator, Mixed Mode,			Single Operator Unlimited, CW	B42B4T
Low Power	JR1MEG/1	2,400	Only, Low Power	PA3DAT
Single Operator, Mixed Mode,			Single Operator Unlimited, CW	
QRP	JR1UJX	2,882	Only, QRP	DLØBSK
Single Operator, Phone Only,			Multioperator, Single	
High Power	RNØCT	630	Transmitter, High Power	9H6A
Single Operator, Phone Only,			North America	
Low Power	JR1AKD/1	792	Single Operator, Mixed Mode,	
Single Operator, Phone Only,			High Power	HI8RD
QRP	JQ1NGT	208	6	THORD
Single Operator, CW Only, High			Single Operator, Mixed Mode,	1/21144
Power	JR3RIU	620	Low Power	V31MA
Single Operator, CW Only, Low			Single Operator, Phone Only,	TIACC
Power	JJ1LBJ	3,608	Low Power	TI2CC
	JA1YNE (JR1NKN,		Single Operator, CW Only, High	
Single Operator, CW Only, QRP	op)	2,508	Power	HP1RIS
Single Operator Unlimited,			Single Operator, CW Only, Low	
Mixed Mode, High Power	JH4UTP	11,264	Power	HP1AC
Single Operator Unlimited,			Single Operator Unlimited,	
Mixed Mode, Low Power	JH6WHN	5,112	Mixed Mode, High Power	NP4LW
Single Operator Unlimited,			Single Operator Unlimited,	
Mixed Mode, QRP	JK1TCV	1,078	Phone Only, High Power	HI3LT (HI3CC, op)
Single Operator Unlimited,		,	Single Operator Unlimited, CW	
Phone Only, High Power	JA70WD	3,900	Only, Low Power	KP3W
Single Operator Unlimited,		-,	Oceania	
Phone Only, Low Power	BX2AFS	32	Single Operator, Mixed Mode,	
Single Operator Unlimited, CW			High Power	VK3TZ
Only, High Power	JA6GCE	4,888	Single Operator, Mixed Mode,	VICSTZ
Single Operator Unlimited, CW	3/10002	1,000	Low Power	DU3LA
Only, Low Power	JG3WDN	1,692	Single Operator, Mixed Mode,	DUSLA
Multioperator, Single	JG5WDN	1,052	QRP	
Transmitter, High Power	JK2VOC	1,020	-	YBØANN
Hansmitter, High Fower	JKZVOC	1,020	Single Operator, Phone Only,	
Europe			High Power	VK4CZ
Single Operator, Mixed Mode,			Single Operator, Phone Only,	
High Power	PA1T	6,552	Low Power	VK4FOMP
Single Operator, Mixed Mode,			Single Operator, Phone Only,	
Low Power	CT7ACG	348	QRP	9W6MUL
Single Operator, Mixed Mode,			Single Operator, CW Only, High	
QRP	LZ2AF/P	36	Power	VK2BJ
Single Operator, Phone Only,			Single Operator, CW Only, Low	
High Power	M6T (GØAEV, op)	1,938	Power	VK2IG
0			X7 · 111	D 14
2018 10 Meter Contest		Full Results –	version 1.11	Page 14

Single Operator, Phone Only,

Single Operator, Phone Only,

IZ3KIF

240

40

6,240

2,240 1,092

72,924

2,250

36

252

90

19,440

1,188

120

1,768

144

14,288

9,590

4,400

8,400

1,440

27,146

336

552

7,370

230

1,008

168

150

5,616

1,736

Low Power

2018 10 Meter Contest

Single Operator Unlimited,	NH2DX (KG6DX,	
Mixed Mode, High Power	op)	4,706
Single Operator Unlimited,		
Mixed Mode, Low Power	4F3BZ	4,268
Single Operator Unlimited,		
Phone Only, High Power	VK4QH	696
Single Operator Unlimited,		
Phone Only, Low Power	VK2NSS	1,008
Single Operator Unlimited, CW	ZL6YOTA (ZL4YL,	
Only, High Power	op)	12,768
Single Operator Unlimited, CW	- - /	,
Only, Low Power	4F3OM	6,560
Single Operator Unlimited, CW		0,000
Only, QRP	DU3GKT	400
Multioperator, Single	DOSGIN	400
Transmitter, High Power	VK6NC	6,766
-	VICINC	0,700
Multioperator, Single	DX9EVM	24
Transmitter, Low Power	DX9EVIVI	24
South America		
Single Operator, Mixed Mode,		
High Power	PV8DX	4,032
Single Operator, Mixed Mode,		,
Low Power	LW1EUD	110,700
Single Operator, Mixed Mode,		-,
QRP	PY2NY	15,756
Single Operator, Phone Only,		,
High Power	CV7S (CX7SS, op)	108,576
Single Operator, Phone Only,		
Low Power	CE7VPQ	45,056
Single Operator, Phone Only,		-,
QRP	PU4ALZ	1,092
Single Operator, CW Only, High		,
Power	CX9AU	142,080
Single Operator, CW Only, Low	0.107.10	1.2,000
Power	LU5DF	134,680
Single Operator Unlimited,	20001	10 1,000
Mixed Mode, High Power	CE2LR	174,482
Single Operator Unlimited,	OLLEN.	1, 1, 102
Mixed Mode, Low Power	9Z4Y	44,288
Single Operator Unlimited,	5241	44,200
Phone Only, High Power	PP5BZ	85,008
Single Operator Unlimited,	11362	05,000
Phone Only, Low Power	LW4EF	27,108
Single Operator Unlimited,		27,100
Phone Only, QRP	LU4VZ	15,394
Single Operator Unlimited, CW	10472	13,394
Only, High Power	P4/DL6RAI	163,584
		105,584
Single Operator Unlimited, CW Only, Low Power	LT7D (LU7DID,	110.076
•	op)	110,976
Multioperator, Single	אַסַד/אַן	122 979
Transmitter, High Power	LW7DX	423,878
Multioperator, Single Transmitter, Low Power	PR2E	60,344
Hanshiller, Low Fower	1 112L	00,544

Division Winners

Atlantic K3ZO 141,100 Central WØAIH 384,652 Dakota KØTT 135,408 Delta N8OO 443,954 Great Lakes K8MR 65,514 Hudson N2ED 30,660 Midwest ABØRX 41,182 New England K1KI 196,876 Northwestern W7GKF 11,900 Pacific K6YK 144,416 Roanoke N4YDU 155,216 Rocky Mountain K5TA 30,380 Southeastern N4EEB 419,136 Southwestern W1PR 12,606 West Gulf K5NA 231,952 Canada VE3KZ 99,858 Single Operator, Mixed Mode, Low Power Atlantic N343 Atlantic N39G 43,890 Dakota KØAD 46,632 Delta W4DAN 18,392 Great Lakes W82O 5,684 Hudson W42ALY 7,450 </th <th>Single Operator, Mixe</th> <th>d Mode, High Power</th> <th></th>	Single Operator, Mixe	d Mode, High Power	
Central WØAIH 384,652 Dakta KØTT 135,408 Delta N8OO 443,954 Great Lakes K8MR 65,514 Hudson N2ED 30,660 Midwest ABØRX 41,182 New England K1K1 196,876 Northwestern W7GKF 11,900 Pacific K6YK 14,416 Roanoke N4YDU 155,216 Rocky Mountain KSTA 30,380 Southeastern N4EEB 419,136 Southwestern W1PR 12,606 West Gulf KSNA 231,952 Canada VE3KZ 99,858 Single Operator, Mixed Mode, Low Power 4 Atlantic NS3T 17,712 Central ND9G 43,890 Dakota KØAD 46,632 Delta W4DAN 18,392 Great Lakes W8CO 5,684 Hudson W42ALY 7,450 <t< td=""><td>• •</td><td></td><td>141,100</td></t<>	• •		141,100
Dakota KØTT 135,408 Delta N8OO 443,954 Great Lakes K8MR 65,514 Hudson N2ED 30,660 Midwest ABØRX 41,182 New England K1KI 196,876 Northwestern W7GKF 11,900 Pacific K6YK 14,416 Roanoke N4YDU 155,216 Southeastern W1PR 12,606 West Gulf K5NA 231,952 Canada VE3KZ 99,858 Single Operator, Mixed Mode, Low Power 41,8392 Atlantic N33T 17,712 Central ND9G 43,890 Dakota KØAD 46,632 Delta W4DAN 18,392 Great Lakes W8CO 5,684 Hudson WA2ALY 7,450 Midwest K1Ø1 8,568 New England K1VSJ 9,912 Northwestern N7LOX 14,652 <t< td=""><td>Central</td><td>WØAIH</td><td></td></t<>	Central	WØAIH	
Delta N800 443,954 Great Lakes K8MR 65,514 Hudson N2ED 30,660 Midwest ABØRX 41,182 New England K1KI 196,876 Northwestern W7GKF 11,900 Pacific K6YK 14,416 Roanoke N4YDU 155,216 Rocky Mountain K5TA 30,380 Southeastern N4EEB 419,136 Southeastern W1PR 12,606 West Gulf K5NA 231,952 Canad VE3KZ 99,858 Single Operator, Mixed Mode, Low Power 443,890 Atlantic NS3T 17,712 Central ND9G 43,890 Dakota KØAD 46,632 Delta W4DAN 18,392 Great Lakes W8CO 5,684 Hudson WA2ALY 7,450 Midwest K1Ø1 8,568 New England K1V5J 9,912	Dakota		
Great Lakes K8MR 65,514 Hudson N2ED 30,660 Midwest ABØRX 41,182 New England K1K1 196,876 Northwestern W7GKF 11,900 Pacific K6Y 14,416 Roanoke N4YDU 155,216 Rocky Mountain K5TA 30,380 Southeastern W1PR 12,606 West Gulf K5NA 231,952 Canada VE3KZ 99,858 Single Operator, Mixed Mode, Low Power 41antic N53T 17,712 Central ND9G 43,890 Dakota 46,632 Delta W4DAN 18,392 Great Lakes W8CO 5,684 Hudson WA2ALY 7,450 Midwest K1Ø1 8,568 New England K1V5J 9,912 Northwestern N7LOX 14,652 Pacific N6NF 3,348 Roanoke N811 169,260 Northwestern N7LOX 14,355 <td></td> <td>•</td> <td></td>		•	
Hudson N2ED 30,660 Midwest ABØRX 41,182 New England K1K1 196,876 Northwestern W7GKF 11,900 Pacific K6YK 14,416 Roanoke N4YDU 155,216 Rocky Mountain K5TA 30,380 Southeastern W1PR 12,606 West Gulf K5NA 231,952 Canada VE3KZ 99,858 Single Operator, Mixed Mode, Low Power Atlantic NS3T 17,712 Central ND9G 43,890 Dakota KØAD 46,632 Delta W4DAN 18,392 Great Lakes W8CO 5,684 Hudson WA2ALY 7,450 Midwest KIØI 8,568 New England K1VSJ 9,9112 Southeastern NZIN 9,612 Northwestern N7LOX 14,652 Pacific N6NF 3,348 Roanoke N8II 169,260 Rozoty Mountain W5RDL 6			
Midwest ABØRX 41,182 New England K1KI 196,876 Northwestern W7GKF 11,900 Pacific K6YK 14,416 Roanoke N4YDU 155,216 Rocky Mountain K5TA 30,380 Southeastern N4EEB 419,136 Southwestern W1PR 12,606 West Gulf K5NA 231,952 Canada VE3KZ 99,858 Single Operator, Mixed Mode, Low Power Atlantic NS3T 17,712 Central ND9G 43,890 Dakota KØAD 46,632 Delta W4DAN 18,392 Great Lakes W8CO 5,684 Hudson WA2ALY 7,450 Midwest K1Ø1 8,568 New England K1VSJ 9,912 Northwestern N7LOX 14,652 Pacific N6NF 3,348 Roanoke N811 169,260 </td <td></td> <td>-</td> <td></td>		-	
New England K1Kl 196,876 Northwestern W7GKF 11,900 Pacific K6YK 14,416 Roanoke N4YDU 155,216 Rocky Mountain K5TA 30,380 Southeastern N4EEB 419,136 Southwestern W1PR 12,606 West Gulf K5NA 231,952 Canada VE3KZ 99,858 Single Operator, Mixed Mode, Low Power 41 Atlantic NS3T 17,712 Central ND9G 43,890 Dakota KØAD 46,632 Delta W4DAN 18,392 Great Lakes W8CO 5,684 Hudson WA2ALY 7,450 Midwest KIØI 8,568 New England K1VSJ 9,912 Northwestern N7LOX 14,652 Pacific N6NF 3,348 Roanoke N811 169,260 Rocky Mountain WSRDL 6,912 <t< td=""><td></td><td></td><td></td></t<>			
Northwestern W7GKF 11,900 Pacific K6YK 14,416 Roanoke N4YDU 155,216 Rocky Mountain K5TA 30,380 Southeastern W1PR 12,606 West Gulf K5NA 231,952 Canada VE3KZ 99,858 Single Operator, Mixed Mode, Low Power H Atlantic NS3T 17,712 Central ND9G 43,890 Dakota KØAD 46,632 Delta W4DAN 18,392 Great Lakes W&CO 5,684 Hudson WA2ALY 7,450 Midwest KIØI 8,568 New England K1VSJ 9,912 Northwestern N7LOX 14,652 Pacific N6NF 3,348 Roanoke N811 169,260 Rocky Mountain WSRDL 6,912 Southwestern WA7NB 41,760 Vest Gulf WSGCX 12,810		•	
Pacific K6YK 14,416 Roanoke N4YDU 155,216 Rocky Mountain K5TA 30,380 Southeastern N4EEB 419,136 Southwestern W1PR 12,606 West Gulf K5NA 231,952 Canada VE3KZ 99,858 Single Operator, Mixed Mode, Low Power 43,890 Atlantic NS3T 17,712 Central ND9G 43,890 Dakota KØAD 46,632 Delta W4DAN 18,392 Great Lakes W8CO 5,684 Hudson WA2ALY 7,450 Midwest KIØI 8,568 New England K1VSJ 9,912 Northwestern N7LOX 14,652 Pacific N6NF 3,348 Roanoke N811 169,260 Rocky Mountain WSRDL 6,912 Southeastern K2PS 178,746 Southwestern WA7NB 41,760	0		
Roanoke N4VDU 155,216 Rocky Mountain KSTA 30,380 Southeastern N4EEB 419,136 Southwestern W1PR 12,606 West Gulf KSNA 231,952 Canada VE3KZ 99,858 Single Operator, Mixed Mode, Low Power 4 Atlantic NS3T 17,712 Central ND9G 43,890 Dakota KØAD 46,632 Delta W4DAN 18,392 Great Lakes W8CO 5,684 Hudson WA2ALY 7,450 Midwest KIØI 8,568 New England K1VSJ 9,912 Northwestern N7LOX 14,652 Pacific N6NF 3,348 Roanoke N811 169,260 Rocky Mountain WSROL 6,912 Southeastern K2PS 178,746 Southeastern WA7NB 41,760 Vest Gulf WSGCX 12,810		-	,
Rocky Mountain KSTA 30,380 Southeastern N4EEB 419,136 Southwestern W1PR 12,606 West Gulf KSNA 231,952 Canada VE3KZ 99,858 Single Operator, Mixed Mode, Low Power 4 Atlantic NS3T 17,712 Central ND9G 43,890 Dakota KØAD 46,632 Delta W4DAN 18,392 Great Lakes W8CO 5,684 Hudson WA2ALY 7,450 Midwest KIØI 8,568 New England K1VSJ 9,912 Northwestern N7LOX 14,652 Pacific N6NF 3,348 Roanoke N81I 169,260 Rocky Mountain W5RDL 6,912 Southeastern K2PS 178,746 Southeastern WAFNB 41,760 México XE1H 4,930 Single Operator, Mixed Mode, QRP 252		-	
Southeastern N4EEB 419,136 Southwestern W1PR 12,606 West Gulf K5NA 231,952 Canada VE3KZ 99,858 Single Operator, Mixed Mode, Low Power Atlantic NS3T 17,712 Central ND9G 43,890 Dakota KØAD 46,632 Delta W4DAN 18,392 Great Lakes W8CO 5,684 Hudson WA2ALY 7,450 Midwest KIØ1 8,568 New England K1VSJ 9,912 Northwestern N7LOX 14,652 Pacific N6NF 3,348 Roanoke N811 169,260 Rocky Mountain WSRDL 6,912 Southwestern K2PS 178,746 Southwestern WA7NB 41,760 West Gulf W5GCX 12,810 Canada VE1ZA 31,120 México XE1H 4,930			
Southwestern W1PR 12,606 West Gulf K5NA 231,952 Canada VE3KZ 99,858 Single Operator, Mixed Mode, Low Power 4 Atlantic NS3T 17,712 Central ND9G 43,890 Dakota KØAD 46,632 Delta W4DAN 18,392 Great Lakes W8CO 5,684 Hudson WA2ALY 7,450 Midwest KIØI 8,568 New England K1VSJ 9,912 Northwestern N7LOX 14,652 Pacific N6NF 3,348 Roanoke N8II 169,260 Rocky Mountain WSRDL 6,912 Southwestern KZPS 178,746 Southwestern WA7NB 41,760 West Gulf W5GCX 12,810 Canada VE1ZA 31,120 México XE1H 4,930 Single Operator, Mixed Mode, QRP 252			
West Gulf KSNA 231,952 Canada VE3KZ 99,858 Single Operator, Mixed Mode, Low Power 4 Atlantic NS3T 17,712 Central ND9G 43,890 Dakota KØAD 46,632 Delta W4DAN 18,392 Great Lakes W8CO 5,684 Hudson WA2ALY 7,450 Midwest KIØI 8,568 New England K1VSJ 9,912 Northwestern N7LOX 14,652 Pacific N6NF 3,348 Roanoke N8II 169,260 Rocky Mountain WSRDL 6,912 Southeastern K2PS 178,746 Southwestern WA7NB 41,760 West Gulf W5GCX 12,810 México XE1H 4,930 Single Operator, Mixed Mode, QRP 252 Delta N4ELM 6,790 Hudson WB2AMU 3,780 Pacific			
Canada VE3KZ 99,858 Single Operator, Mixed Mode, Low Power 41 Atlantic NS3T 17,712 Central ND9G 43,890 Dakota KØAD 46,632 Delta W4DAN 18,392 Great Lakes W8CO 5,684 Hudson WA2ALY 7,450 Midwest KIØI 8,568 New England K1VSJ 9,912 Northwestern N7LOX 14,652 Pacific N6NF 3,348 Roanoke N8II 169,260 Rocky Mountain WSRDL 6,912 Southwestern K2PS 178,746 Southwestern WA7NB 41,760 West Gulf W5GCX 12,810 Canada VE1ZA 31,120 México XE1H 4,930 Single Operator, Mixed Mode, QRP 252 Delta N4ELM 6,790 Hudson WB2AMU 3,780 Pacific </td <td></td> <td></td> <td></td>			
Single Operator, Mixed Mode, Low Power Atlantic NS3T 17,712 Central ND9G 43,890 Dakota KØAD 46,632 Delta W4DAN 18,392 Great Lakes W8CO 5,684 Hudson WA2ALY 7,450 Midwest KIØ1 8,568 New England K1VSJ 9,912 Northwestern N7LOX 14,652 Pacific N6NF 3,348 Roanoke N8II 169,260 Rocky Mountain WSRDL 6,912 Southwestern KA7NB 41,760 West Gulf W5GCX 12,810 Canada VE1ZA 31,120 México XE1H 4,930 Single Operator, Mixed Mode, QRP 252 Delta N4ELM 6,790 Hudson W25 2 Southwestern WA6FGV 10,010 Single Operator, Phone Only, High Power 2 2 Atlantic <td></td> <td></td> <td></td>			
Atlantic NS3T 17,712 Central ND9G 43,890 Dakota KØAD 46,632 Delta W4DAN 18,392 Great Lakes W8CO 5,684 Hudson WA2ALY 7,450 Midwest KIØI 8,568 New England K1VSJ 9,912 Northwestern N7LOX 14,652 Pacific N6NF 3,348 Roanoke N8II 169,260 Rocky Mountain WSRDL 6,912 Southwestern KA7NB 41,760 West Gulf W5GCX 12,810 Canada VE1ZA 31,120 México XE1H 4,930 Single Operator, Mixed Mode, QRP 252 Delta N4ELM 6,790 Hudson WB2AMU 3,780 Pacific K6DAJ 100 Rocky Mountain WC7S 2 Southwestern WA6FGV 10,010 Single Operato	Callaua	VESKZ	99,000
Central ND9G 43,890 Dakota KØAD 46,632 Delta W4DAN 18,392 Great Lakes W8CO 5,684 Hudson WA2ALY 7,450 Midwest KIØ1 8,568 New England K1VSJ 9,912 Northwestern N7LOX 14,652 Pacific N6NF 3,348 Roanoke N811 169,260 Rocky Mountain W5RDL 6,912 Southeastern K2PS 178,746 Southwestern W47NB 41,760 West Gulf W5GCX 12,810 Canada VE1ZA 31,120 México XE1H 4,930 Single Operator, Mixed Mode, QRP Central AF9J Central AF9J 252 Delta N4ELM 6,790 Hudson WB2AMU 3,780 Pacific K6DAJ 1000 Rocky Mountain WC7S 2			
Dakota KØAD 46,632 Delta W4DAN 18,392 Great Lakes W8CO 5,684 Hudson WA2ALY 7,450 Midwest KIØI 8,568 New England K1VSJ 9,912 Northwestern N7LOX 14,652 Pacific N6NF 3,348 Roanoke N8II 169,260 Rocky Mountain W5RDL 6,912 Southeastern K2PS 178,746 Southwestern WA7NB 41,760 West Gulf W5GCX 12,810 Canada VE1ZA 31,120 México XE1H 4,930 Single Operator, Mixed Mode, QRP 252 Delta N4ELM 6,790 Hudson WB2AMU 3,780 Pacific K6DAJ 1000 Rocky Mountain WC7S 2 Southwestern WA6FGV 10,010 Single Operator, Phone Only, High Power 4tlantic			
DeltaW4DAN18,392Great LakesW8CO5,684HudsonWA2ALY7,450MidwestKIØI8,568New EnglandK1VSJ9,912NorthwesternN7LOX14,652PacificN6NF3,348RoanokeN8II169,260Rocky MountainW5RDL6,912SoutheasternK2PS178,746SouthwesternWA7NB41,760West GulfW5GCX12,810CanadaVE1ZA31,120MéxicoXE1H4,930Single Operator, Mixed Mode, QRP252DeltaN4ELM6,790HudsonWB2AMU3,780PacificK6DAJ100Rocky MountainWC7S2SouthwesternWA6FGV10,010Rocky MountainWC7S2SouthwesternWA8FGV1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPFF784MidwestWØPFF784MidwestWØPFF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternK4HDD25,248SoutheasternK4DD25,248SouthwesternKD7RF3,876			,
Great LakesW8CO5,684HudsonWA2ALY7,450MidwestKIØI8,568New EnglandK1VSJ9,912NorthwesternN7LOX14,652PacificN6NF3,348RoanokeN8II169,260Rocky MountainW5RDL6,912SoutheasternK2PS178,746SouthwesternWA7NB41,760West GulfW5GCX12,810CanadaVE1ZA31,120MéxicoXE1H4,930Single Operator, Mixed Mode, QRPCentralAF9JCentralAF9J252DeltaN4ELM6,790HudsonWB2AMU3,780PacificK6DAJ100Rocky MountainWC7S2SouthwesternWA6FGV10,010Single Operator, Phone Only, High Power4tlanticAtlanticWA8UEG9,512CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK97QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK97QFE3,876		•	
HudsonWA2ALY7,450MidwestKIØI8,568New EnglandK1VSJ9,912NorthwesternN7LOX14,652PacificN6NF3,348RoanokeN8II169,260Rocky MountainWSRDL6,912SoutheasternK2PS178,746SouthwesternWA7NB41,760West GulfW5GCX12,810CanadaVE1ZA31,120MéxicoXE1H4,930Single Operator, Mixed Mode, QRP252CentralAF9J252DeltaN4ELM6,790HudsonWB2AMU3,780PacificK6DAJ100Rocky MountainWC7S2SouthwesternWA6FGV10,010Single Operator, Phone Only, High Power4AtlanticWA8UEG9,512CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoakeN4MM9,324Rocky MountainK97QFE140PacificN6AJ1,960RoanokeN4MM320SoutheasternW4DD25,248SouthwesternKD7RF3,876			18,392
Midwest KIØI 8,568 New England K1VSJ 9,912 Northwestern N7LOX 14,652 Pacific N6NF 3,348 Roanoke N8II 169,260 Rocky Mountain W5RDL 6,912 Southeastern K2PS 178,746 Southwestern WA7NB 41,760 West Gulf W5GCX 12,810 Canada VE1ZA 31,120 México XE1H 4,930 Single Operator, Mixed Mode, QRP Central AF9J Central AF9J 252 Delta N4ELM 6,790 Hudson WB2AMU 3,780 Pacific K6DAJ 100 Rocky Mountain WC7S 2 Southwestern WA6FGV 10,010 Single Operator, Phone Only, High Power 4tlantic 9,912 Atlantic WA8UEG 9,512 Central KF9US 9,912 Dakota WDØBMS			
New EnglandK1VSJ9,912NorthwesternN7LOX14,652PacificN6NF3,348RoanokeN8II169,260Rocky MountainW5RDL6,912SoutheasternK2PS178,746SouthwesternWA7NB41,760West GulfW5GCX12,810CanadaVE1ZA31,120MéxicoXE1H4,930Single Operator, Mixed Mode, QRPCentralAF9JCentralAF9J252DeltaN4ELM6,790HudsonWB2AMU3,780PacificK6DAJ100Rocky MountainWC7S2SouthwesternWA6FGV10,010Single Operator, Phone Only, High Power4AtlanticWA8UEG9,512CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876			
NorthwesternN7LOX14,652PacificN6NF3,348RoanokeN8II169,260Rocky MountainW5RDL6,912SoutheasternK2PS178,746SouthwesternWA7NB41,760West GulfW5GCX12,810CanadaVE1ZA31,120MéxicoXE1H4,930Single Operator, Mixed Mode, QRPCentralAF9JCentralAF9J252DeltaN4ELM6,790HudsonWB2AMU3,780PacificK6DAJ100Rocky MountainWC7S2SouthwesternWA6FGV10,010Single Operator, Phone Only, High Power4tlanticAtlanticWA8UEG9,512CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN88I6,324HudsonKE2DX27,444MidwestWØPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876		KIØI	
PacificN6NF3,348RoanokeN8II169,260Rocky MountainW5RDL6,912SoutheasternK2PS178,746SouthwesternWA7NB41,760West GulfW5GCX12,810CanadaVE1ZA31,120MéxicoXE1H4,930Single Operator, Mixed Mode, QRP6,790CentralAF9J252DeltaN4ELM6,790HudsonWB2AMU3,780PacificK6DAJ100Rocky MountainWC7S2SouthwesternWA6FGV10,010Single Operator, Phone Only, High Power4AtlanticWA8UEG9,512CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876	New England	K1VSJ	
RoanokeN8II169,260Rocky MountainWSRDL6,912SoutheasternK2PS178,746SouthwesternWA7NB41,760West GulfWSGCX12,810CanadaVE1ZA31,120MéxicoXE1H4,930Single Operator, Mixed Mode, QRPECentralAF9J252DeltaN4ELM6,790HudsonWB2AMU3,780PacificK6DAJ100Rocky MountainWC7S2SouthwesternWA6FGV10,010Single Operator, Phone Only, High Power4AtlanticWA8UEG9,512CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876	Northwestern	N7LOX	
Rocky MountainWSRDL6,912SoutheasternK2PS178,746SouthwesternWA7NB41,760West GulfW5GCX12,810CanadaVE1ZA31,120MéxicoXE1H4,930Single Operator, Mixed Mode, QRPCentralAF9JCentralAF9J252DeltaN4ELM6,790HudsonWB2AMU3,780PacificK6DAJ100Rocky MountainWC7S2SouthwesternWA6FGV10,010Single Operator, Phone Only, High Power4tlanticAtlanticWA8UEG9,512CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK90WM320SoutheasternW4DD25,248SouthwesternKD7RF3,876	Pacific	N6NF	3,348
SoutheasternK2PS178,746SouthwesternWA7NB41,760West GulfW5GCX12,810CanadaVE1ZA31,120MéxicoXE1H4,930Single Operator, Mixed Mode, QRPCentralAF9JCentralAF9J252DeltaN4ELM6,790HudsonWB2AMU3,780PacificK6DAJ100Rocky MountainWC7S2SouthwesternWA6FGV10,010Single Operator, Phone Only, High Power4tlanticAtlanticWA8UEG9,512CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876	Roanoke	N8II	169,260
SouthwesternWA7NB41,760West GulfW5GCX12,810CanadaVE1ZA31,120MéxicoXE1H4,930Single Operator, Mixed Mode, QRPCentralAF9JCentralAF9J252DeltaN4ELM6,790HudsonWB2AMU3,780PacificK6DAJ100Rocky MountainWC7S2SouthwesternWA6FGV10,010Single Operator, Phone Only, High Power41AtlanticWA8UEG9,512CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SouthwesternW4DD25,248SouthwesternKD7RF3,876	•	W5RDL	6,912
West GulfW5GCX12,810CanadaVE1ZA31,120MéxicoXE1H4,930Single Operator, Mixed Mode, QRPCentralAF9JCentralAF9J252DeltaN4ELM6,790HudsonWB2AMU3,780PacificK6DAJ100Rocky MountainWC7S2SouthwesternWA6FGV10,010Single Operator, Phone Only, High Power4AtlanticWA8UEG9,512CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876	Southeastern	K2PS	178,746
CanadaVE1ZA31,120MéxicoXE1H4,930Single Operator, Mixed Mode, QRPCentralAF9J252DeltaN4ELM6,790HudsonWB2AMU3,780PacificK6DAJ100Rocky MountainWC7S2SouthwesternWA6FGV10,010Single Operator, Phone Only, High Power4AtlanticWA8UEG9,512CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876	Southwestern	WA7NB	41,760
MéxicoXE1H4,930Single Operator, Mixed Mode, QRPCentralAF9JCentralN4ELM6,790HudsonWB2AMUHudsonWB2AMUPacificK6DAJRocky MountainWC7SSouthwesternWA6FGVSingle Operator, Phone Only, High PowerAtlanticWA8UEGPacitalKF9USDakotaWDØBMSDeltaK4HWSGreat LakesN8BIMidwestWØPPFNorthwesternKB7QFENorthwesternKB7QFENorthwesternKB7QFERocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternK37KF3,876	West Gulf	W5GCX	12,810
Single Operator, Mixed Mode, QRPCentralAF9JDeltaN4ELM6,790HudsonWB2AMUHudsonWB2AMUPacificK6DAJRocky MountainWC7SSouthwesternWA6FGVSingle Operator, Phone Only, High PowerAtlanticWA8UEGAtlanticWA8UEGCentralKF9USDakotaWDØBMSDeltaK4HWSGreat LakesN8BIGreat LakesN8BIMidwestWØPPF784New EnglandAF1TNorthwesternKB7QFE140PacificN6AJNorthwesternK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876	Canada	VE1ZA	31,120
CentralAF9J252DeltaN4ELM6,790HudsonWB2AMU3,780PacificK6DAJ100Rocky MountainWC7S2SouthwesternWA6FGV10,010Single Operator, Phone Only, High PowerAtlanticWA8UEG9,512CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876	México	XE1H	4,930
DeltaN4ELM6,790HudsonWB2AMU3,780PacificK6DAJ100Rocky MountainWC7S2SouthwesternWA6FGV10,010Single Operator, Phone Only, High PowerAtlanticWA8UEG9,512CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MIM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876	Single Operator, Mixe	d Mode, QRP	
HudsonWB2AMU3,780PacificK6DAJ100Rocky MountainWC7S2SouthwesternWA6FGV10,010Single Operator, Phone Only, High Power4tlanticAtlanticWA8UEG9,512CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876	Central	AF9J	252
PacificK6DAJ100Rocky MountainWC7S2SouthwesternWA6FGV10,010Single Operator, Phone Only, High Power4AtlanticWA8UEG9,512CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SouthwesternKD7RF3,876	Delta	N4ELM	6,790
Rocky MountainWC7S2SouthwesternWA6FGV10,010Single Operator, Phone Only, High PowerAtlanticWA8UEG9,512CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876	Hudson	WB2AMU	3,780
SouthwesternWA6FGV10,010Single Operator, Phone Only, High PowerAtlanticWA8UEG9,512CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876	Pacific	K6DAJ	100
SouthwesternWA6FGV10,010Single Operator, Phone Only, High PowerAtlanticWA8UEG9,512CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SouthwesternKD7RF3,876	Rocky Mountain	WC7S	2
AtlanticWA8UEG9,512CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876		WA6FGV	10,010
AtlanticWA8UEG9,512CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876	Single Operator, Phon	e Only, High Power	
CentralKF9US9,912DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876	•••		9,512
DakotaWDØBMS1,750DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876			
DeltaK4HWS1,332Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876			
Great LakesN8BI6,324HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876			
HudsonKE2DX27,448MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876		-	
MidwestWØPPF784New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876			,
New EnglandAF1T31,050NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876			
NorthwesternKB7QFE140PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876		-	
PacificN6AJ1,960RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876	-		
RoanokeN4MM9,324Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876			
Rocky MountainK9MWM320SoutheasternW4DD25,248SouthwesternKD7RF3,876			
SoutheasternW4DD25,248SouthwesternKD7RF3,876			
Southwestern KD7RF 3,876	•		
,			
west Guir WSPR 77,520			
	west Guit	WOPK	//,520

Mésio XEIRF Los Candal VAJGUY 3.34GUY Single Operator, Phone Diry, Low Power Single Operator, CW Only, CWP V Cantral NGMA 4.02 Single Operator, CW Only, CWP 3.740 Cantral NGMA 4.02 Maintic KAMAX 3.740 Cantral NGMA 4.02 Dakral NGAX 3.740 Cantral NGMA 4.02 Dakral NGAX 3.740 Genet Lakes NSWCP 1.10 Detra NGAX 3.740 Hudson NO2EL 5.220 Grant Lakes NGAY 2.940 New England K.17K 3.68 Neadon WSG2 3.168 Southwestern N.7FL 4.68 New England NGEC 3.188 Southwestern N.7FL 4.642 Wast Guilt WSG2 3.186 Southwestern N.7FL 4.642 Wast Guilt WSG2 3.186 Southwestern N.7FL 4.452 Wast Guilt <t< th=""><th>Canada</th><th>VA2BN</th><th>4,872</th><th>West Gulf</th><th>AE5GT</th><th>77,040</th></t<>	Canada	VA2BN	4,872	West Gulf	AE5GT	77,040
Single Operator, Prone Only, Low Power Single Operator, CW Only, QP Central NSPLM 4,450 Attantic K2SM 3,460 Central NSPLM 4,268 Dekton ND9C/C 108 Defa WDSDDW 4,268 Dekton ND9C/C 108 Defa WDSDW 4,268 Dekton ND9C/C 108 Midwest AGGM 570 Finat Lakes NSAP 10,440 Midwest AGGM 676 Finaton WC2N 2,304 Northwestern N/FLT 486 Southeastern NYRCS 1,648 Southeastern K7XE 300 Pacific ASTAY 2,408 Southeastern K7XE 300 Pacific ASTAY 2,408 Southeastern K7XE 300 Pacific ASTAY 2,408 Southeastern K7XE 4,412 West Gulf NSG2 3,136 Southeastern K7XE 4,423 Central KSWW 1,25	México	XE1RF	1,632	Canada	VA3GUY	3,344
AthenicK250510.428Single Operator, CV Only, QRPCentralN49MM4,450AttanicK25M3,740DaktaMJORM2,024CentralN41ANX3,860Orest LakesN8WCP110DeltaN05C108Grest LakesN8WCP110DeltaAC465,440MidsomN02EL5,220Great LakesN8AP10,440MidsomN02EL5,220Great LakesN8AP10,440MidsomN7FLT486NewEnglandK15X2,304PactricK7KE300PacfricCACYV1,248GrandacK840UM3,456RoanokeS47X2,408SoutheasternN7FLT486Notek MouttainW5G213,85SoutheasternK7FC4,452Wast GurfW5G213,85SoutheasternN579546,42SutheasternN7RCS16,488SoutheasternN579546,22SuthasternN7RCS16,483SoutheasternN5795108Great LakesN4G368,239CentralK80WQ72MidnestK30W35,427PacficN1AA2DeltaK30W59,427SoutheasternK546W72MidnestK30W59,427PacficN1AA2DeltaK30W59,427SoutheasternK546W72MidnestK30W59,427SoutheasternK546W72MidnestK30W <t< td=""><td>Single Operator Phon</td><td>e Only, Low Power</td><td></td><td>México</td><td>XE1CT</td><td>47,040</td></t<>	Single Operator Phon	e Only, Low Power		México	XE1CT	47,040
central N9RIM 4,450 Attantic V25M 3,740 Dakota N09KVPM 2,024 Central K4NAX 3,360 Detra N05DIW 4,268 Dakota N09C 108 Great Lakes N08WCP 110 Detra ACAG 5.00 Hudson N02EL 5,200 Great Lakes N8AP 10.400 Nidwest N7ET 486 New England KLISX 2,304 Pacific K7XE 5.00 Pacific KGSY 2,408 Rocky Mountain KGSANO 3.30 Rocky Mountain W5G2 3,185 Southwestern NF7E 4,452 West Gulf NS0E 3,135 Vest Gulf NS98G 46.2 Canada V4EFX 788 Granda VA2LGO 70 Malexit 3,400 59,472 Vest Gulf NS1AK 2 Dehta MASAU 59,472 Vest Gulf NLIAIA 2 Dehta		-	10 428	Single Operator, CW Or	IV. ORP	
DatosaNDVFM2,024CentralK4NAX3,360DettaNDSDV4,268DakotaNDSDC108Great LakesNBWCP110DettaAC465,040HudsonND2L5,220Great LakesNBAP10,440MidvestAC40676HudsonWO2N924New EnglandK17WW1,760MidvestND1K816NorthvesternN7FLT486New EnglandK15X2,304PacificK7KE500PacificACGY1,248BoanokeK840LM3,365RoanokeK547X2,408SoutheasternN7FL4,452West GuifN50E31,356SoutheasternN7FZ4,452West GuifN50E31,356SoutheasternNF7E4,452West GuifN50E31,366SouthwesternNF7E4,520TableMace43,368CentralKSAMM32DakoraK70T57,114NedecoK22FEA6,240TableK3WW93,98SouthwesternNSAC108Great LakesNAQS66,236SouthwesternNSAC108Great LakesNAQS66,236SouthwesternNSAC20920MdvestK3PA93,98Great LakesNAGY104Great LakesNAQS66,236SouthwesternNSAC20920MdvestK3PA93,92SouthwesternNSAC108			•		<i>,,</i> ,	3.740
DetaNDSDIV4.268DaktaNDQC108Great LakesNAQF100DetaAC4G5.040HudsonNO2EL5.200Great LakesNAAP10.440NidwestKGM766HudsonWOZN924New EnglandK1YWW1.760MidwestNQE2.344PacificK7XE500PacificKGSN2.304PacificK7XE500PacificACGYY2.408RoanokeKSAOLM3.356Boacky MountainW5C215.84SoutheasternNF7E4.452West GulfNSEE15.84SoutheasternNF7E4.452CanadaVEEEX7.86CanadaVA2IGO70Tallei (SINR)4.32.5615.84SoutheasternNF7E4.452DaktaKGDN4.32.56CanadaVA2IGO70Tallei (SINR)4.32.5615.85SoutheasternNF2FCanadaKGNN4.32.5615.85CanadaVA2IGO72PalatinicKGNN4.32.56CanadaVA2IGO72HudsonKZCYE4.53.85SoutheasternNKGU/WOUX/LOV72HudsonKZCYE4.53.85SoutheasternKSGW72HudsonKZCYE4.53.85SoutheasternKSGW72HudsonKZCYE4.53.85SoutheasternNKGU/WOUX/LOV72HudsonKZCYE4.53.85SoutheasternKSGW73.24KMGW </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
HudsonNO2EL5,220Great LakesNAAPNAAPNidwestNGAN924New EnglandK17WW1,760MdwestNQIN924NorthwesternNTLT486New EnglandK15X2.304PacificK7XE500PacificACGYY1.248RaanokeKRADLM3.356BaonkeK5AYX2.084Rodry MountainK55ANO330Bocky MountainW5C215.84SoutheasternNTFE4.452West GulfN50E15.84SoutheasternNTFE4.452CanadaVEEDX768CanadaVA2IGO70Talle (Departor Jallinet-Micet Mode, High Power14.33,86CanadaVA2IGO70Talle (SANMA)32DalotaK0TI57,114MexicoKE2PEA6.20DalotaK0TI57,114New EnglandNJAIA2DalotaK0TI57,114New EnglandNJAIA2DalotaK0TI57,124PacificWB6CZO108Great LakesN4GS68,254SoutheasternKS4GW72MidwestK3FG68,254SoutheasternWS6GL20,992Rocky MountainNGTM30,806SoutheasternWS6GL20,992Rocky MountainNGTM30,806SoutheasternWS6GL20,992Rocky Mountain83,60230,804SoutheasternWS6GL20,992Rocky Mountain83,60230,804Sou	Delta			Dakota	NDØC	
Midwest New EnglandK12WW K12WWG76HudsonW20N K15K921NorthwesternN7FLT486New EnglandK15K2.304ParificX7KE500PacificACSYY1.248RoanokeK140LM3.456RoanokeK54Y2.408RoanokeK140LM3.456RoanokeK54Y2.408RoanokeK12H2.968SoutheasternW75C3.158SouthwesternN7FE4.52West GuifN50C31.356SouthwesternN7FE4.52West GuifN50C31.356CanadaVALGQ76768768768CanadaVALGQ760AnatoK87T75.114New EnglandN1AA2DetaASAU95.425CentralKCSMM32HudsonK27E45.508SouthwesternK5GW72HudsonK27E45.508SouthwesternK6GW72MdwestK37A58.254SouthwesternK5GW72MdwestK37A58.254SouthwesternK5GW72MortwesternN7M30.908CentralK5GW72MortwesternK5G72.264SouthwesternK5GW72MortwesternK5G72.84RoanokeK6GU72.92New EnglandW5F19.92SouthwesternK5GW72.92SouthwesternK5G72.84RoanokeK6GU3,600Southwestern	Great Lakes	N8WCP	110	Delta	AC4G	5,040
New England K17WW 1,760 Midwest Np/IX 815 2.304 Partline K7XE 500 Partline K1SX 2.304 Partline K7XE 500 Partline K1SX 2.304 Rocky Mountain K7SE 3.158 Southeastern N7RCS 1.618 Southwestern K7FE 4.622 West Gulf NSOE 3.135 West Gulf NSYBG 4.62 Canada VEECK 768 Canada VALGQ 70 Tige Operator Unlimited, Mixed Mode, High Power Alartic 763 Single Operator, Phone Only QP Canata KGSAMM 32 Dalta K4ST 56,236 Central KGSAMM 32 Dalta K4ST 56,6236 Ge Geat Lakes N4G2 66,236 Rocky Mountain K8,624 20 Midwest K37A 58,224 500 Southeastern K3GE Gasa Meest Mad2 56,235 53,234 53,234	Hudson	NO2EL	5,220	Great Lakes	N8AP	10,440
NorthwesternN7FLT486New EnglandK1SK2.304PacificX7KE500PacificACSYY1.248RoanokeK440LM3,456RoanokeKSYX2.408Roathy MountainKSGADO330Rock MountainWSG23.158SoutheasternKCLH2,968SoutheasternWTSC531,356West GuifNSYG6462CanadaVEGEX768CanadaVALGQ70Single Operator Unlimeted, Mixed Mode, High Power43,368MexicoK2PEACentralK3WW43,368CentralKCSMM32DeltaASAU95,714New EnglandNIAA2DeltaASAU95,724SouthwesternK5GW72HidvestK3PA58,254SouthwesternK5GW72HidvestK3PA58,254SouthwesternK5GW72HidvestK3PA58,254SouthwesternK5GW72MidvestK3PA58,254SouthwesternK5GU20,992New EnglandWSEC63,998CentralK3PGL20,992New EnglandWSEC199,120SouthwesternK7GU3,600SoutheasternK5GU72,284RelatincK3PGL20,992SoutheasternK3RG72,284RelatincK3PGL20,992SoutheasternK3RG72,284RelatincK3PGL20,992SoutheasternK3RG72,284Relatinc <td< td=""><td>Midwest</td><td>AGØM</td><td>676</td><td>Hudson</td><td></td><td>924</td></td<>	Midwest	AGØM	676	Hudson		924
Pacific K7XE 500 Pacific KGYN 1,248 Roanoke KBOLM 3,36 Roanoke KGYN 2,408 Roanoke KGXMOuntain WSC2 3,168 Southeestern KCIH 2,968 Southeastern N7RCS 16,848 Southeestern NF7E 4,452 West Guif NSOE 31,356 Canada VA2LGQ 70 Miedo Mode, High Power 768 Southeestern KGSAMM 32 Dakota KGM 3,368 Central KGSAMM 32 Dakota KGM 5,472 Pacific WB6C7G 108 Great Lakes N40S 66,236 Rody Mountain KES/WQ 22 Hudson K2PE 45,028 Southeestern WGC10(WB27A,09) 3,234 New England W3P 199,120 Southeestern KGG 45,08 Roanoke NARV 13,398 Southeestern KGG 20,992 Rocky Mountain NGT <td>New England</td> <td></td> <td></td> <td></td> <td></td> <td></td>	New England					
Roanoke KBADLM 3,456 Roanoke KSAVX 2,408 Bodry Mountain KGSANO 3,168 Southeastern N7RCS 16,848 Southeastern KCLH 2,968 Southeastern N7RCS 16,848 Southeastern NFTE 4,452 West Gulf N50E 31,356 Canada VA2LQ 70 Tigle Operator Unlimited, Mired Mode, High Power 768 Mexico XEZPEA 6,240 Allantic K3WR 103,964 Single Operator, Phone Only, QRP Central K3NR 32,862 66,235 Central KSAGW 2 Dakota KDTI 57,472 Padific WB6C2G 108 Great Lakes N4QS 66,235 Southeastern KS4GW 72 Midwest K3PA 58,254 Southeastern KS4GW 72 Midwest K3PA 58,254 Southeastern KS4GW 72 Midwest K3PA 58,254 Allantic K3FW				-		
Bocky Mountain KGSANO 330 Rocky Mountain WSGZ 3,185 Southesstern NTFC 4,452 West Gulf NS0E 31,356 Granda VA2LGQ 70 Tegle Operator Unlimited. Mixed Mode, High Power México XE2FEA 6,240 Atlantic K3WN 43,368 Central KGSAMO 2 Delta ASSAU 95,7114 Nee Kogland NIAA 2 Delta ASSAU 95,721 Pacific WBGCZG 108 Great Lakes NAQS 65,235 Southewstern KSGW 72 Hidsent KSPA 45,524 Southewstern KSGW 72 Hidsent KSPA 58,254 Southewstern KSGW 72 Midwest KSPA 58,254 Southewstern KSGW 72 Midwest KSPA 58,254 Southewstern KSGW 72 Midwest KSPA 58,254 Southewstern KSGW 72						
Southesstern KC1H 2,968 Southesstern NRCS 16,848 West Guif NSVBG 4,452 Canada VEEEX 31,356 Mesta Guif NSVBG 4,62 Canada VEEEX 768 Canada VA2LGQ 70 Single Operator Unlimited, Mice Mode, High Power 768 Southesstern KSAMM 32 Dakota KSVM 35,367 Central KGMM 32 Dakota KSVM 56,372 Pacific WSC2G 108 Great Lakes N4QS 66,235 Southesstern KS4GW 72 Midvest KSPA 55,308 Southesstern KS4GW 72 Midvest KSPA 55,308 Southesstern KS4GW 73 Midvest KSPA 55,308 Southesstern KS4GW 72 Midvest KSPA 55,308 Southesstern KS4GW 73 786 770 770 770 770 770 770 770						
SouthwesternNF7E4,452West GulfNSDE31,356West GulfNSV6G462CanadaVEEEX768CanadaVALIGQ70Single Operator Unlimited, Mixed Mode, High PowerAtlanticASWW103,964MéxicoXE2PEA6,240AtlanticK3WW103,964CentralKG9AMM32DakotaKØTI57,114New EnglandNIAIA2DeltaAASAU95,472PacificWB6C2G108Great LakesN4Q.566,236Rocky MountainKEØLWQ22HudsonK2CYE45,508SouthesternW6QU (W80ZA, op)3,234New EnglandW3EP199,120Single Operator, CW Ohly, High PowerPacificN3RC6,348AtlanticK3TC45,408RoanokeN4RV139,958CentralK98GL20,992Rocky MountainN57M30,080DakotaNØAT54,008SoutheasternKSKG199,72DeltaW5KI3,600SoutheasternKSKG199,72MidwestADdOS1,500SoutheasternKSKG199,72NorthwesternN7FM (KH6ZM, op)48,348CentralK98GL20,240MidwestADdOS1,500SoutheasternKAGW5,824NorthwesternN7FM (KH6ZM, op)19,488AtlanticW3KB15,624PacificKN7M (KH6ZM, op)19,488AtlanticK98GL19,394Rocky MountainNX				•		
West GuifNYBG462CanadaVEEX768CanadaXL2PEA6,240Single Operator Unlimited, Mixed Mode, High Power103,964MéxicoXL2PEA6,240AtlanticK3NR103,964Single Operator, Phone Only, QRPCentralK5NR33,368CentralKC9AMM32DakotaK6PI95,711PacificWB6C2G108Great LakesN4QS66,623Bocky MountainK5GW72MidwestK3PA58,254SouthessternK5GW72MidwestK3PA58,254SouthessternK5GW72MidwestN7NM28,782Single Operator, CW Only, High PowerPacificN3RC87,82CentralK3BGL29,992Rocky MountainN57M30,080DakotaNØAT58,140SouthessternK5KG20,240DakotaNØAT58,140SouthessternK5KG20,240DakotaNØAT58,140SouthessternK5KG20,240DakotaNØAT58,140SouthessternK5KG20,240DakotaNØAT58,140SouthessternK5KG20,240DakotaNØAT58,140SouthessternK5KG20,240DakotaNØAT58,140SouthessternK5KG20,240DakotaNØAT58,140SouthessternK5KG20,240DakotaNØAT58,140CanadaVESMX18,860DakotaNØAT <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Canada México VA2LGQ XE2PEA 70 6,240 Single Operator Unlimited, Mixed Mode, High Power Atlantic Kised Mode, High Power Single Operator, Phone Only, QP Central K3WW 103,964 Central KGMMM 32 Delota K&9T 43,368 New England N1AIA 2 Delta AASAU 95,472 Pacific WBCZG 108 Great Lakes N4QU 66,236 Southesstern K540W 72 Hudson K2CYE 45,508 Southesstern W5QU (WBQZA, op) 3,234 New England W3EP 199,120 Atlantic K3FG 45,408 Roanoke N4RV 139,958 Central K39GL 20,992 Rocky Mountain NGTM 30,080 Dakota NGAT 58,140 Southesastern KSKG 199,372 Delta WSKI 3,060 Southesastern KSKG 20,240 Hudson W2D1B 14,848 Canada VESMC 15,624 Roanoke <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
México XE2PEA 6,240 Single Operator Unitured, Mixed Mode, High Power Atlantic K3WW 103,964 Single Operator, Phone Only, OR Central K9NR 43,368 Central K9NR 43,368 43,368 Central K9NR 43,368 43,368 New England N1A/A 2 Delta AA5AU 95,472 Pacific W86CZG 108 Great Lakes N4QS 66,236 Southeastern K54GW 72 Midwest K3PA 58,524 Southeastern K54GW 72 Midwest K3PA 58,524 Southeastern K54GW 72 Midwest K3PA 58,524 Southeastern K54GW 72 Midwest K3PA 58,528 Southeastern NGAT 58,140 Southeastern NARV 139,958 Central K9BGL 20,992 Rocky Mountain NGT 67,348 Oreat Lakes NABV 51,792 West Guif				Canada	VEGEX	/68
Instad LEPLON Attantic K3WW Contral K3WW Contral K3WW Contral K3WW Addition Single Operator, Phone Only, GRP Central KSMR Addition Additi				Single Operator Unlimit	ed, Mixed Mode, High Power	
Central KC9AMM 32 Dakta KØT1 57.114 New England N1AIA 2 Delta AASAU 95.472 Pacific WBGCZ6 108 Great Lakes N4QS 66.236 Rocky Mountain KEØJWQ 22 Hudson K2CYE 45.08 Southeastern KSGW 72 Midwest K3PA 58.254 Southeastern W6QU (W8QZA, op) 3.234 New England W3EP 199.120 Single Operator, CW Only, High Power Pacific N3RC 6.348 Atlantic K3TC 45.408 Raanoke N4RV 139.598 Central K9BGL 20.992 Rocky Mountain NGTM 30.080 Dakta MØAT 58.140 Southeastern KSKG 129.372 Great Lakes NA8V 51.792 West Guif KAGPW 67.844 Great Lakes NA4D 56.612 Dakta NØEC (AAØAW, op) 38.976 Northwestern N7EPD <	WEXICO	AEZPEA	0,240	• •		103,964
New EnglandNIAIA2DetaAASAU95,472PacificWB6CZG108Great LakesN4QS66,236Bocky MountainKEØLWQ22HudsonK2CYE45,508SoutheasternKS4GW72MidwestK3PA58,254SoutheasternKS4GW72MidwestK3PA58,254SoutheasternKS4GW72Mew EnglandW3EP199,120SoutheasternKS4GW72Mew EnglandW3EP6,348AtlanticKSTC45,048RoanokeN4RV139,358CentralKBGL20,992Rocky MountainNG7M30,080DakotaNØAT58,140SoutheasternKSKG20,240HudsonW201848,348CanadaVESMX68,620NidwestAD4OS1,502SoutheasternKSKG20,240HudsonW201848,348CanadaVESMX68,620NidwestAD4OS1,904CanadaVESMX68,620NothwesternNTPD19,488AtlanticW3KB15,624NothwesternNAZO88,500DetaKHQQ280SoutheasternNAZO88,500DetaKHQQ280SoutheasternNAZO22,608MidwestKØKEX1,544AtlanticW3BGN63,400SoutheasternK7QA1,944AtlanticW3BGN63,400SoutheasternK7QA1,944CanadaVEPHF20	Single Operator, Phon	e Only, QRP		Central	K9NR	
Pacific WB6CZG 108 Great Lakes N4QS 66,236 Rocky Mountain KEØJWQ 22 Hudson K2CYE 45,508 Southestern KS4GW 72 Midwest K3PA 58,254 Southestern WSQU (W80ZA, op) 3,234 New England W3EP 199,120 Single Operator, CW Only, High Power Pacific N3RC 6,348 Atlantic K3TC 45,408 Roanoke N4RV 139,958 Central K9BGL 20,992 Rocky Mountain NGTM 30,080 Dakota NØAT 58,140 Southeastern KSKG 189,372 Delta WSKI 3,600 Southwestern AA6PW 67,284 Great Lakes NA8V 51,792 West Guif KSBG 20,240 Hudson W1ECT 54,708 Single Operator, Mixed 68,612 Dakota Nized Mode, Low Power 7384 Pacific KH7M (KH6ZM, op) 48,960 Central KP9FG 7,384 <td>Central</td> <td>КС9АММ</td> <td>32</td> <td>Dakota</td> <td>кøті</td> <td>57,114</td>	Central	КС9АММ	32	Dakota	кøті	57,114
Rocky Mountain KEØJWQ 22 Hudson KZCYE 45,508 Southeastern K54GW 7.2 Midwest K3PA 58,254 Southwestern WGQU (WBQ2A, op) 3,234 New England W3EP 199,120 Single Operator, CW Only, High Power Pacific N3RC 6,348 Atlantic K3TC 45,048 Roanoke N4RV 139,958 Central K9BGL 20,992 Rocky Mountain NGTM 30,080 Dakota NgAT 36,000 Southwestern AA6PW 67,284 Great Lakes NA8V 51,792 West Gulf K58G 20,240 Hudson W2OIB 48,348 Canada VESMX 68,620 New England W1ECT 54,708 Single Operator Unlimited, Mixed Mode, Low Power Northwestern NA6PG (AAØAW, op) 38,976 New England W1ECT 84,860 Central K9PG 7,348 Roanoke M4XD 86,612 Dakota Ng/EQ (AAØAW, op) <	New England	N1AIA	2	Delta	AA5AU	95,472
Southeastern K54GW 72 Midwest K3PA 58,254 Southwestern W6QU (W8QZA, op) 3,234 New England W3EP 199,120 Single Operator, CWONJ, High Power Pacific N3RC 6,348 Atlantic K3TC 45,408 Roanoke N4RV 139,958 Central K9BGL 20,992 Rocky Mountain NG7M 30,080 Dakota MØAT 58,140 Southeastern K3KG 189,372 Delta W5KI 3,600 Southwestern AA6PW 67,284 Great Lakes NARV 51,792 West Gulf KSBG 20,200 Hudson W2C0IB 48,348 Canada VEBMX 68,620 New England W1ECT 54,708 Single Operator Unlimited. Mixed Mode, Low Power 7,384 Northwestern N7PD 19,488 Atlantic W3KI 15,624 Pacific N4XD 248,080 Great Lakes N8V 18,845 Southwestern	Pacific	WB6CZG	108	Great Lakes	N4QS	66,236
Southwestern W6QU (W80ZA, op) 3,234 New England W3EP 199,120 Northwestern N7NM 28,782 Atlantic K3TC 45,408 Roanoke N4RV 139,958 Central K9BGL 20,992 Rocky Mountain NG7M 30,080 Dakota NØAT 58,140 Southwestern K5KG 189,372 Delta W5KI 3,600 Southwestern AA6PW 67,284 Great Lakes NARV 1,792 West Gulf K5BG 20,240 Hudson W201B 48,348 Canada VESMX 68,620 New England W1ECT 54,708 Single Operator Unlimited, Mixed Mode, Low Power 7,384 Northwestern N7EV 48,660 Central K8PG 7,384 Roanoke N4XD 86,612 Dakota NØEO (AAØAW, op) 38,976 Roatok NATCW 28,680 Deta K4PQ 280 Southwestern NATCW 24,688 Grea	Rocky Mountain	KEØJWQ	22	Hudson	K2CYE	45,508
Single Operator, CW Only, High Power Northwestern N7NM 28,782 Atlantic K3TC 45,408 Roanoke M4RV 139,958 Central K9BGL 20,992 Rocky Mountain MG7M 30,800 Dakota MØAT 58,140 Southeastern KSKG 189,372 Delta W5KI 3,600 Southeastern KSKG 20,240 Hudson W2OIB 48,348 Canada VE5MX 68,620 Midwest AD40S 1,500 VE5MX 68,620 Northwestern N7EPD 19,488 Atlantic W3RB 15,624 Pacific KH7M (KH6ZM, op) 48,960 Central K9PG 7,384 Roanoke N4XD 86,612 Dakota K4EQ 280 Southeastern K6NR 6,824 Hudson WA2IQK 19,504 México XE2V 4,284 Midwest KØKEX 1,534 Canada VE9HF 20,088 New England	Southeastern	KS4GW	72	Midwest	КЗРА	
Single Operator, CW Only, High PowerPacificN3RC6,348AtlanticK3TC45,408RoanokeN4RV139,958CentralK9BGL20,992Roky MountainNG7M30,080DakotaNØAT58,140SouthesternK5KG189,372DeltaWSKI3,600SouthesternK5KG20,240HudsonW2DIB48,348CanadaVESMX68,620MidwestAD4051,500Mixed Mode, Low Power7,848NorthwesternN7EPD19,488AtlanticW3KB15,624NorthwesternN7EPD19,488AtlanticW3KB15,624RoanokeN4XD86,612DakotaMØED (AAØAW, op)38,976Rocky MountainN2IC88,500DeltaK4IPQ280SouthwesternNN7CW248,080Great LakesN8VV18,648SouthwesternK6NR61,824HudsonWA2IQK19,504MextoXE2V4,284NorthwesternK7QA1,904MextoXE2V4,284NorthwesternK7QA1,904MataricW3BGN63,400SoutheasternM9OG1,534CanadaVE9HF20,088New EnglandK1ZE19,694MextoXE2V4,284NorthwesternK7QA1,904MextoXE2V4,284SoutheasternM9OH1,544CanadaVE9HF20,088New EnglandK1ZE1,904MextoX	Southwestern	W6QU (W8QZA, op)	3,234	_		
Atlantic K3TC 45,408 Pacinic Factor 10,100 10,120 10,100 10,120 10,100 10,120 10,100 10,120 10,100 10,120 10,120 10,100 10,120	Single Operator CW O	nly High Dowor				
Central K9BGL 20,992 Notance INT 130,303 Dakota NØAT 58,140 Southeastern K5KG 189,372 Delta W5KI 3,600 Southaustern K5KG 189,372 Great Lakes NA8V 51,792 West Gulf K5BG 20,240 Hudson W20IB 48,348 Canada VESMX 68,620 New England W1ECT 54,708 Single Operator Unlimited, Mixed Mode, Low Power 68,620 Northwestern NZFPD 19,488 Atlantic W3KB 15,624 Pacific KH7M (KH6ZM, op) 48,966 Central K9PG 7,384 Roanoke N4XD 86,612 Dakota NØEO (AAØAW, op) 38,976 Southeastern NN7CW 248,080 Great Lakes N8V 18,648 Southeastern NN7CW 248,080 Great Lakes N8V 19,504 West Gulf ActacA 22,608 Midwest KØKEX 1,534 <td< td=""><td></td><td></td><td>45 408</td><td></td><td></td><td></td></td<>			45 408			
Dakota MØAT 58,140 Noutheam Noutheam Noutheam Noutheam Noutheam Bodd <						
Delta W5KI 3,600 Southwestern AAFW 167,972 Great Lakes NA8V 51,792 West Gulf K5BG 20,240 Hudson W201B 48,348 Canada VESMX 66,620 Midwest AD40S 1,500 Canada VESMX 66,620 New England W1ECT 54,708 Single Operator Unlimited, Mixed Mode, Low Power 7,384 Northwestern N7EPD 19,488 Atlantic W3KB 15,624 Pacific KH7M (KH6ZM, op) 48,960 Central K9PG 7,384 Roanoke N4XD 86,612 Dakota NØEO (AAØAW, op) 38,976 Southwestern KNN 248,080 Great Lakes N8VV 18,648 Southwestern KGNR 61,824 Hudson WA21QK 19,504 México XE2V 4,284 Northwestern K7QA 1,904 México XE2V 4,284 Northwestern K7QA 1,904 Canada				-		
Great LakesNA8V51,792MundbelefinAABVW67,249HudsonW2OIB48,348West GulfKSBG20,240MidwestAD4OS1,500CanadaVESMX68,620New EnglandW1ECT54,708Single Operator Unlimited, Mixed Mode, Low Power7,384NorthwesternN7EPD19,488AtlanticW3KB15,624PacificKH7M (KH6ZM, op)48,960CentralK9PG7,384RoanokeNAXC86,612DakotaNØEO (AAØAW, op)38,976Rocky MountainN2IC88,500DeltaK4LPQ280SoutheasternNM7CW248,080Great LakesN8V18,648SouthwesternK6NR61,824HudsonWA2JQK19,504West GulfAC4CA22,608MidwestKØKEX1,534CanadaVE9HF20,088New EnglandKIZE19,694MéxicoXE2V4,284NorthwesternK7QA19,054MéxicoXE2V4,284NorthwesternK7QA1,904AtlanticW3BGN63,400SoutheasternK90M105,544CentralW9FE46,848SouthwesternAC7JM4,620DakotaKMØV30,744West GulfKSKJ61,236DeltaNSEE33,368CanadaVA3DF66,150Great LakesK4FT21,440MéxicoXE20K192HudsonN2CI10,240MéxicoXE20K <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
Hudson W2OIB 48,348 Canada VEStMX 68,620 Midwest AD4OS 1,500 Single Operator Unlimited, Mixed Mode, Low Power 68,620 New England WIECT 54,708 Single Operator Unlimited, Mixed Mode, Low Power 7,384 Northwestern N7EPD 19,488 Atlantic W3KB 15,624 Pacific KH7M (KH6ZM, op) 48,960 Central K9PG 7,384 Roanoke N4XD 86,612 Dakota NØEO (AAØAW, op) 38,976 Rocky Mountain N2CC 88,500 Delta K4LPQ 280 Southeastern NN7CW 248,080 Great Lakes N8VV 18,648 Southwestern KGNR 61,824 Hudson WA2JQK 19,504 México XE2V 4,284 Northwestern K7QA 1,904 México XE2V 4,284 Northwestern K7QA 1,904 México W3BGN 63,400 Southeastern K9OM 105,544						
MidwestAD4OS1,500InducationMarkD0,020New EnglandW1ECT54,708Single Operator Unlimited, Mixed Mode, Low PowerNorthwesternN7EPD19,488AtlanticW3KB15,624PacificKH7M (KH6ZM, op)48,960CentralK9PG7,384RoanokeN4XD86,612DakotaNØEO (AAØAW, op)38,976Rocky MountainN2IC88,500DeltaK4IPQ280SoutheasternNN7CW248,080Great LakesN8VV18,648SoutheasternK6NR61,824HudsonWA2JQK19,504West GulfAC4CA22,608MidwestKØKEX1,534CanadaVE9HF20,088New EnglandK1ZE19,694MéxicoXE2V4,284NorthwesternK7QA1,904MéxicoXE2V4,284NorthwesternK7QA1,904Single Operator, CW Only, Low PowerRoanokeK4IKB10,432CentralW9RE46,848SoutheasternK9OM105,544CentralW9RE46,848SoutheasternK9OM105,544CentralW9RE33,368CanadaVA3DF66,150DakotaKNØV30,744West GulfK5KJ61,236DakotaK9FLY39,396Single Operator Unlimited, Mixed Mode, QRP100,240HudsonN2CJ10,240MéxicoXE2QO704NorthwesternK7JF3,168DakotaKØTLG						
New England W1ECT 54,708 Single Operator Unlimited, Mixed Mode, Low Power Northwestern N7EPD 19,488 Atlantic W3KB 15,624 Pacific KH7M (KH6ZM, op) 48,960 Central K9PG 7,384 Roanoke MAZD 86,612 Dakota MØEO (AAØAW, op) 38,976 Rocky Mountain N2IC 88,500 Delta K4LPQ 280 Southeastern NN7CW 248,080 Great Lakes N8VV 18,648 Southwestern K6NR 61,824 Hudson WA2JQK 19,504 West Gulf AC4CA 22,608 Midwest KØKEX 1,534 Canada VE9HF 20,088 New England K1ZE 19,694 México XE2V 4,284 Northwestern K7QA 1,904 México XE2V 4,284 Northwestern K3DM 105,544 Central W3BGN 63,400 Southeastern K9DM 105,544 Central <				Canada	VESIVIX	68,620
PacificKH7M (KH6ZM, op)48,960CentralK9PG7,384RoanokeN4XD86,612DakotaNØEO (AAØAW, op)38,976Rocky MountainN2IC88,500DeltaK4LPQ280SoutheasternNN7CW248,080Great LakesN8VV18,648SouthwesternK6NR61,824HudsonWA2JQK19,504West GulfAC4CA22,608MidwestKØKEX1,534CanadaVE9HF20,088New EnglandK1ZE19,694MéxicoXE2V4,284NorthwesternK7QA1,904Single Operator, CW Only, Low PowerRoanokeK4JKB10,432AtlanticW3BGN63,400SoutheasternK9OM105,544CentralW9RE46,848SouthwesternAC1JM4,620DakotaKNØV30,744West GulfK5KJ61,236DeltaNSEE33,368CanadaVA3DF66,150Great LakesK4FT21,440MéxicoXE2OK192HudsonN2CJ10,240MéxicoXE2OK192HudsonN2CJ10,240Single Operator Unlimited, Mode, QRP7,480NorthwesternK7JF3,168DakotaKØTLG1,008RoanokeK7SV39,780PacificK2GMY7,130Rocky MountainK6XT4,704Y30044.64NorthwesternK7JF3,168DakotaKØTLG1,008RoanokeK7SV	New England			Single Operator Unlimit	ed, Mixed Mode, Low Power	
RoanokeN4XD86,612DakotaNØEO (AAØAW, op)38,976Rocky MountainN2IC88,500DeltaK4LPQ280SoutheasternNN7CW248,080Great LakesN8VV18,648SouthwesternK6NR61,824HudsonWA2JQK19,504West GulfAC4CA22,608MidwestKØKEX1,534CanadaVE9HF20,088New EnglandK1ZE19,694MéxicoXE2V4,284NorthwesternK7QA1,904Single Operator, CW Only, Low PowerRoanokeK4JKB10,432AtlanticW3BGN63,400SouthwesternAC7JM4,620DakotaKNØV30,744West GulfK5KJ61,236DeltaN5EE33,368CanadaVA3DF66,150Great LakesK4FT21,440México192192MidwestKØFLY39,396Single Operator Unlimited, Mixed Mode, QRP192New EnglandK1VUT44,712AtlanticK2QO704NorthwesternK7JF3,168DakotaKØTLG1,008PacificN7YK33,136Great LakesK8ZT2,080RoanokeK7SV39,780PacificX2QM7,130RoanokeK7SV39,780PacificK2GMY7,130Rocky MountainK6XT4,704Y3DF6,61,50MidwestK7SV39,780PacificK2GMY7,130RoanokeK7SV	Northwestern	N7EPD	19,488	Atlantic	W3KB	15,624
Rocky MountainN2IC88,500DeltaK4LPQ280SoutheasternNN7CW248,080Great LakesN8VV18,648SouthwesternK6NR61,824HudsonWA2IQK19,504West GulfAC4CA22,608MidwestKØKEX1,534CanadaVE9HF20,088New EnglandK1ZE19,694MéxicoXE2V4,284NorthwesternK7QA1,904PacificWQ6X5,418Single Operator, CW Only, Low PowerRoanokeK41KB10,432AtlanticW3BGN63,400SoutheasternK9OM105,544CentralW9RE46,848SouthwesternAC7JM4,620DakotaKNØV30,744West GulfK5KJ61,236DeltaNSEE33,368CanadaVA3DF66,150Great LakesK4FT21,440MéxicoXE2OK192HudsonN2CJ10,240MéxicoXE2OK192New EnglandK1VUT44,712AtlanticK2QO704NorthwesternK7JF3,168DakotaKØTLG1,008PacificN7YK33,136Great LakesK8ZT2,080Rocky MountainK6XT4,704Single Operator Unlimited, Phone Only, High Power46,444NothwesternK7SV39,780PacificK2GMY7,140	Pacific	KH7M (KH6ZM, op)	48,960	Central	K9PG	7,384
SoutheasternNN7CW248,080Great LakesN8VV18,648SouthwesternK6NR61,824HudsonWA2JQK19,504West GulfAC4CA22,608MidwestKØKEX1,534CanadaVE9HF20,088New EnglandK1ZE19,694MéxicoXE2V4,284NorthwesternK7QA1,904Single Operator, CW Only, Low PowerRoanokeK4JKB10,432AtlanticW3BGN63,400SoutheasternK9OM105,544CentralW9RE46,848SouthwesternAC7JM4,620DakotaKNØV30,744West GulfK5KJ61,236Great LakesK4FT21,440MéxicoXE2OK192HudsonN2CJ10,240MéxicoXE2OK192MidwestKØFLY39,336Single Operator Unlimited, Mixed Mode, QRP10,088NorthwesternK7JF3,168DakotaKØTLG1,008PacificN7YK33,136Great LakesK82T2,080RoanokeK7SV39,780PacificK2GMY7,130RoanokeK7SV39,780PacificK2GMY7,130RoanokeK6XT4,704X2GM7,146SoutheasternN4WW (N4KM, op)177,936Single Operator Unlimited, Phone Only, High Power	Roanoke	N4XD	86,612	Dakota	NØEO (AAØAW, op)	38,976
SouthwesternK6NR61,824HudsonWA2JQK19,504West GulfAC4CA22,608MidwestKØKEX1,534CanadaVE9HF20,088New EnglandK12E19,694MéxicoXE2V4,284NorthwesternK7QA1,904Single Operator, CW Only, Low PowerRoanokeK41KB10,432AtlanticW3BGN63,400SoutheasternK9OM105,544CentralW9RE46,848SouthwesternAC7JM4,620DakotaKNØV30,744West GulfK5KJ61,236DeltaN5EE33,368CanadaVA3DF66,150Great LakesK4FT21,440MéxicoXE2OK192HudsonN2CJ10,240MéxicoXE2OK192New EnglandK1VUT44,712AtlanticK2QO704NorthwesternK7JF3,168DakotaKØTLG1,008PacificN7YK33,136Great LakesK8ZT2,080RoanokeK7SV39,780PacificK2GMY7,130RoanokeK7SV39,780PacificK2GMY7,130RoanokeK6XT4,704ArotaK4FT2,080RoanokeN4WW (N4KM, op)177,936ArotaK2SDM4,464	Rocky Mountain	N2IC	88,500	Delta	K4LPQ	
West GulfAC4CA22,608MidwestKØKEX1,534CanadaVE9HF20,088New EnglandK1ZE19,694MéxicoXE2V4,284NorthwesternK7QA1,904PacificWQ6X5,418Single Operator, CW Only, Low PowerRoanokeK4JKB10,432AtlanticW3BGN63,400SoutheasternK9OM105,544CentralW9RE46,848SouthwesternAC7JM4,620DakotaKNØV30,744West GulfK5KJ61,236DeltaN5EE33,368CanadaVA3DF66,150Great LakesK4FT21,440MéxicoXE2OK192HudsonN2CJ10,240704New EnglandK1VUT44,712AtlanticK2QO704NorthwesternK7JF3,168DakotaKØTLG1,008NorthwesternK7SV39,780PacificK2GMY7,130RoanokeK7SV39,780PacificK2GMY7,130Rocky MountainK6XT4,704Single Operator Unlimited, Phone Only, High Power4,664SoutheasternN4WW (N4KM, op)177,936AtlanticK2GMY4,664	Southeastern					
CanadaVE9HF20,088New EnglandK1ZE19,694MéxicoXE2V4,284NorthwesternK7QA1,904PacificWQ6X5,418AtlanticW3BGN63,400SoutheasternK9OM105,544CentralW9RE46,848SouthwesternAC7JM4,620DakotaKNØV30,744West GulfK5KJ61,236DeltaN5EE33,368CanadaVA3DF66,150Great LakesK4FT21,440MéxicoXE2OK192MidwestKØFLY39,396Single Operator Unlimited, Mixed Mode, QRP1008NorthwesternK7JF3,168DakotaKØTLG1,008PacificN7YK33,136Great LakesK8ZT2,080RoanokeK7SV39,780PacificK2GMY7,130Rocky MountainK6XT4,704Single Operator Unlimited, Phone Only, High Power4,464SoutheasternN4WW (N4KM, op)177,936Single Operator Unlimited, Phone Only, High Power4,464						
MéxicoXE2V4,284NorthwesternK7QA1,904PacificWQ6X5,418AtlanticW3BGN63,400SoutheasternK9OM10432AtlanticW9RE46,848SoutheasternK9OM105,544CentralW9RE46,848SouthwesternAC7JM4,620DakotaKNØV30,744West GulfK5KJ61,236DeltaN5EE33,368CanadaVA3DF66,150Great LakesK4FT21,440MéxicoXE2OK192HudsonN2CJ10,240México704MidwestKØFLY39,396Single Operator Unlimited, Mixed Mode, QRP704NorthwesternK7JF3,168DakotaKØTLG1,008PacificN7YK33,136Great LakesK8ZT2,080RoanokeK7SV39,780PacificK2GMY7,130Rocky MountainK6XT4,704Single Operator Unlimited, Phone Only, High Power4,744SoutheasternN4WW (N4KM, op)177,936MilanticK2SM4,646						
Single Operator, CW Only, Low PowerPacificWQ6X5,418AtlanticW3BGN63,400SoutheasternK9OM105,544CentralW9RE46,848SouthwesternAC7JM4,620DakotaKNØV30,744West GulfK5KJ61,236DeltaN5EE33,368CanadaVA3DF66,150Great LakesK4FT21,440MéxicoXE2OK192HudsonN2CJ10,240102New EnglandK1VUT44,712AtlanticK2QO704NorthwesternK7JF3,168DakotaKØTLG1,008PacificN7YK33,136Great LakesK8ZT2,080RoanokeK7SV39,780PacificK2GMY7,130Rocky MountainK6XT4,704Single Operator Unlimited, Phone Only, High Power4,464			•	-		,
Single Operator, CW Only, Low PowerRoanokeK4JKB10,432AtlanticW3BGN63,400SoutheasternK9OM105,544CentralW9RE46,848SoutheasternAC7JM4,620DakotaKNØV30,744West GulfK5KJ61,236DeltaN5EE33,368CanadaVA3DF66,150Great LakesK4FT21,440MéxicoXE2OK192HudsonN2CJ10,240MéxicoXE2OK192New EnglandK1VUT44,712AtlanticK2QO704NorthwesternK7JF3,168DakotaKØTLG1,008PacificN7YK33,136Great LakesK8ZT2,080RoanokeK7SV39,780PacificK2GMY7,130Rocky MountainK6XT4,704Single Operator Unlimited, Phone Only, High Power4,664	México	XE2V	4,284			
AtlanticW3BGN63,400SoutheasternK9KD10,452CentralW9RE46,848SoutheasternK9OM105,544DakotaKNØV30,744West GulfK5KJ61,236DeltaN5EE33,368CanadaVA3DF66,150Great LakesK4FT21,440MéxicoXE2OK192HudsonN2CJ10,24010,240192NidwestKØFLY39,396Single Operator Unlimited, Mixed Mode, QRP704New EnglandK1VUT44,712AtlanticK2QO704NorthwesternK7JF3,168DakotaKØTLG1,008PacificN7YK33,136Great LakesK8ZT2,080RoanokeK7SV39,780PacificK2GMY7,130Rocky MountainK6XT4,704Single Operator Unlimited, Phone Only, High Power4,664	Single Operator, CW O	only. Low Power				
CentralW9RE46,848SoutheasternK90W105,944DakotaKNØV30,744SouthwesternAC7JM4,620DakotaKNØV30,744West GulfK5KJ61,236DeltaN5EE33,368CanadaVA3DF66,150Great LakesK4FT21,440MéxicoXE2OK192HudsonN2CJ10,240192192MidwestKØFLY39,396Single Operator Unlimited, Mixed Mode, QRPNew EnglandK1VUT44,712AtlanticK2QO704NorthwesternK7JF3,168DakotaKØTLG1,008PacificN7YK33,136Great LakesK8ZT2,080RoanokeK7SV39,780PacificK2GMY7,130Rocky MountainK6XT4,704Single Operator Unlimited, Phone Only, High Power4,464SoutheasternN4WW (N4KM, op)177,936AtlanticK2SOM4,464		-	63,400			
DakotaKNØV30,744West GulfKC/JM4,020DeltaN5EE33,368CanadaVA3DF66,150Great LakesK4FT21,440MéxicoXE2OK192HudsonN2CJ10,240192MidwestKØFLY39,396Single Operator Unlimited, Mixed Mode, QRPNew EnglandK1VUT44,712AtlanticK2QO704NorthwesternK7JF3,168DakotaKØTLG1,008PacificN7YK33,136Great LakesK8ZT2,080RoanokeK7SV39,780PacificK2GMY7,130Rocky MountainK6XT4,704Single Operator Unlimited, Phone Only, High Power4464		W9RE				
DeltaN5EE33,368CanadaVA3DF66,150Great LakesK4FT21,440MéxicoXE2OK192HudsonN2CJ10,240192MidwestKØFLY39,396Single Operator Unlimited, Mixed Mode, QRP704New EnglandK1VUT44,712AtlanticK2QO704NorthwesternK7JF3,168DakotaKØTLG1,008PacificN7YK33,136Great LakesK8ZT2,080RoanokeK7SV39,780PacificK2GMY7,130Rocky MountainK6XT4,704SoutheasternN4WW (N4KM, op)177,936Single Operator Unlimited, Phone Only, High Power	Dakota					
Great LakesK4FT21,440MéxicoXE2OK192HudsonN2CJ10,24010,240100100100MidwestKØFLY39,396Single Operator Unlimited, Mixed Mode, QRP100New EnglandK1VUT44,712AtlanticK2QO704NorthwesternK7JF3,168DakotaKØTLG1,008PacificN7YK33,136Great LakesK8ZT2,080RoanokeK7SV39,780PacificK2GMY7,130Rocky MountainK6XT4,704Single Operator Unlimited, Phone Only, High Power4464SoutheasternN4WW (N4KM, op)177,936AtlanticK2SOM4464	Delta					
HudsonN2CJ10,240MidwestKØFLY39,396Single Operator Unlimited, Mixed Mode, QRPNew EnglandK1VUT44,712AtlanticK2QO704NorthwesternK7JF3,168DakotaKØTLG1,008PacificN7YK33,136Great LakesK8ZT2,080RoanokeK7SV39,780PacificK2GMY7,130Rocky MountainK6XT4,704SoutheasternN4WW (N4KM, op)177,936Single Operator Unlimited, Phone Only, High PowerAtlanticK2SOM4,464	Great Lakes	K4FT	21,440			
New EnglandK1VUT44,712AtlanticK2QO704NorthwesternK7JF3,168DakotaKØTLG1,008PacificN7YK33,136Great LakesK8ZT2,080RoanokeK7SV39,780PacificK2GMY7,130Rocky MountainK6XT4,704SoutheasternSingle Operator Unlimited, Phone Only, High Power4,464	Hudson	N2CJ	10,240	mexico	ALLON	172
NorthwesternK7JF3,168DakotaKØTLG1,008PacificN7YK33,136Great LakesK8ZT2,080RoanokeK7SV39,780PacificK2GMY7,130Rocky MountainK6XT4,704SoutheasternSingle Operator Unlimited, Phone Only, High PowerSoutheasternN4WW (N4KM, op)177,936AtlanticK2SOM4,464		KØFLY	39,396		ed, Mixed Mode, QRP	
PacificN7YK33,136Great LakesK8ZT2,080RoanokeK7SV39,780PacificK2GMY7,130Rocky MountainK6XT4,704SoutheasternSingle Operator Unlimited, Phone Only, High PowerSoutheasternN4WW (N4KM, op)177,936AtlanticK2SOM4,464	New England					
RoanokeK7SV39,780PacificK2GMY7,130Rocky MountainK6XT4,704SoutheasternN4WW (N4KM, op)177,936Single Operator Unlimited, Phone Only, High PowerAtlanticK2SOM4,464				Dakota		
Rocky Mountain K6XT 4,704 Southeastern N4WW (N4KM, op) 177,936 Single Operator Unlimited, Phone Only, High Power						
Southeastern N4WW (N4KM, op) 177,936 Single Operator Unlimited, Phone Only, High Power				Pacific	K2GMY	7,130
Southeastern New (New) 177,550	•			Single Operator Unlimit	ed Phone Only High Power	
Southwestern W7IV 32,264 Addition RSSOW 4,464						1 161
	Southwestern	W7IV	32,264			7,404

W9JA	2,400
KØJM	644
WV4P	9,120
N8PCN	2,080
W2RD	21,952
K7STO	240
WS4WW	1,722
KN4BIT	7,350
KC1BB	8,040
VA3PC	1,944
, Phone Only, Low Power	
KC3INR	130
K2DRH	38,266
KØMCG	234
W5TCB	756
N8VZ	252
W4FEB	50
N6ORB	44
W4ZAO	3,744
N7MZW	352
AJ4VE	1,188
AF6F	84
K5YM	504
VE2HAY	48
XE2JS	8,820
Phone Only ORP	
	32
	50
	50
	136,144
	45,288
	2,400
	52,752 38,220
	58,220 58,300
	13,144
	73,216
(,))	16,576
-	101,760
	73,416
	1,380
•	247,792
	119,808
	82,592
•	17,664
XE2CQ	19,800
-	12,992
	65,448
	2,028
	15,744
	41,400
	35,616
•	25,620
	2,400
	4,928
	3,808
AA4NP	19,312
КбРО	6,700
W5RYA	26,788
	,
	KØJM WV4P N8PCN W2RD K7STO WS4WW KN4BIT KC1BB VA3PC Phone Only, Low Power KC3INR K2DRH KØMCG W5TCB N8VZ W4FEB N6ORB W4ZAO N7MZW AJ4VE AF6F KSYM VE2HAY XE2JS Phone Only, QRP KC3KBE XE2JTS Phone Only, COP W44F KC3KBE XE2 Phone Only, COP WAST W4HRC KBAJS K2DFC NØNI W1VE K6PO

Canada	VA3EC	2,880
México	XE2B	19,992
Single Operator Unlimite	d. CW Only. ORP	
Dakota	NØUR	1,680
Delta	W5/KH6KG	384
Roanoke	N3CW	88
Southeastern	K3TW	12,000
Southwestern	W6MZ	1,300
Canada	VA3AMX	160
Multioperator, Single Tra	ansmitter, High Power	
Atlantic	W3RFC	66,000
Central	NV9L	247,170
Great Lakes	W8PR	77,356
Midwest	WØIW	31,680
New England	AA1JD	159,360
Northwestern	K7RAT	8,448
Pacific	W7EB	10,962
Roanoke	W4DR	110,296
Southeastern	WB4WXE	1,824
Southwestern	N7AT	108,984
West Gulf	NX5M	281,280
Canada	VE9CB	1,204
Multioperator, Single Tra	ansmitter, Low Power	
Atlantic	КСЗКОН	464
Central	W9ET	2,992
Delta	W4BSF	84
Great Lakes	W8RP	7,936
New England	NC1CC	20,280
Northwestern	W7TVC	10,304
Roanoke	W4AMC	9,724
Rocky Mountain	KØNR	5,940
Southeastern	WA1S	16,200
West Gulf	OK10FM	30
Canada	VE3LON	680
México	XE2N	20

Regional Leaders

Boxes list call sign, score, and class: MSHP = Multioperator, Single Transmitter, High Power MSLP = Multioperator, Single Transmitter, Low Power SO-CW-HP = Single Operator, CW Only, High Power SO-CW-LP = Single Operator, CW Only, Low Power SO-CW-QRP = Single Operator, CW Only, QRP SO-MIX-HP = Single Operator, Mixed Mode, High Power SO-MIX-LP = Single Operator, Mixed Mode, Low Power SO-MIX-QRP = Single Operator, Mixed Mode, QRP SO-PH-HP = Single Operator, Phone Only, High Power SO-PH-LP = Single Operator, Phone Only, Low Power SO-PH-QRP = Single Operator, Phone Only, QRP SOU-CW-HP = Single Operator Unlimited, CW Only, High Power SOU-CW-LP = Single Operator Unlimited, CW Only, Low Power SOU-CW-QRP = Single Operator Unlimited, CW Only, QRP SOU-MIX-HP = Single Operator Unlimited, Mixed Mode, High Power SOU-MIX-LP = Single Operator Unlimited, Mixed Mode, Low Power SOU-MIX-QRP = Single Operator Unlimited, Mixed Mode, QRP SOU-PH-HP = Single Operator Unlimited, Phone Only, High Power SOU-PH-LP = Single Operator Unlimited, Phone Only, Low Power SOU-PH-QRP = Single Operator Unlimited, Phone Only, QRP

West Coast Region

West Coast Region		
(Pacific, Northwestern and Southwe	estern Divis	ions; Alberta,
British Columbia and NT Sections)		
КбҮК	14,416	SO-MIX-HP
W1PR	12,606	SO-MIX-HP
AI6O	12,300	SO-MIX-HP
W7GKF	11,900	SO-MIX-HP
N6VOH	7,784	SO-MIX-HP
WA7NB	41,760	SO-MIX-LP
WN6K	28,208	SO-MIX-LP
N7LOX	14,652	SO-MIX-LP
WA7NWL	14,356	SO-MIX-LP
N6LL	9,300	SO-MIX-LP
WA6FGV	10,010	SO-MIX-QRP
K6DAJ	100	SO-MIX-QRP
KD7RF	3,876	SO-PH-HP
N6AJ	1,960	SO-PH-HP
KB7QFE	140	SO-PH-HP
NF7E	4,452	SO-PH-LP
K7XE	500	SO-PH-LP
N7FLT	486	SO-PH-LP
N7MZ	406	SO-PH-LP
K7VIT	336	SO-PH-LP
W6QU (W8QZA, op)	3,234	SO-PH-QRP
WB6CZG	108	SO-PH-QRP
KM6HDY	4	SO-PH-QRP
K6NR	61,824	SO-CW-HP
KH7M (KH6ZM, op)	48,960	SO-CW-HP
K6IJ	42,168	SO-CW-HP
K6LRN	30,488	SO-CW-HP
N7GP	21,684	SO-CW-HP
Ν7ΥΚ	33,136	SO-CW-LP
W7IV	32,264	SO-CW-LP
KM6Z	15,792	SO-CW-LP
KC7V	6,992	SO-CW-LP
W6ZL	4,500	SO-CW-LP
AC6YY	1,248	SO-CW-QRP
VE6EX	768	SO-CW-QRP

K6JS	480	SO-CW-QRP
AE6JV	16	SO-CW-QRP
AA6PW	67,284	SOU-MIX-HP
NA2U	62,504	SOU-MIX-HP
W7ZR	52,680	SOU-MIX-HP
N9NA	31,154	SOU-MIX-HP
N7NM	28,782	SOU-MIX-HP
WQ6X	5,418	SOU-MIX-LP
AC7JM	4,620	
K7QA	1,904	
WA7AXT	1,408	SOU-MIX-LP
VE7CA	1,360	SOU-MIX-LP
K2GMY	7,130	SOU-MIX-QRP
K6MI	448	SOU-MIX-QRP
	0.040	
KC1BB	8,040	SOU-PH-HP
K7STO	240	SOU-PH-HP
AA7VR	16	SOU-PH-HP
AF6F	84	SOU-PH-LP
N6ORB	44	
NO6G	16	SOU-PH-LP
N6SS	119,808	SOU-CW-HP
K3EST	101,760	SOU-CW-HP
W6YX (N7MH, op)	87,108	SOU-CW-HP
W7RN (K5RC, op)	63,896	SOU-CW-HP
KY7M	52,640	SOU-CW-HP
КбРО	6,700	SOU-CW-LP
N6YEU	4,928	SOU-CW-LP
КХ6А	3,264	SOU-CW-LP
W6OAT	2,400	SOU-CW-LP
W7KKM	1,144	SOU-CW-LP
W6MZ	1,300	SOU-CW-QRP
N7AT	108,984	MSHP
W6UE	67,200	MSHP
W7EB	10,962	MSHP
W6LP	8,924	MSHP
K7RAT	8,448	MSHP
W7TVC	10,304	MSLP
WITTE	10,504	IVIJLF
Midwest Region		
(Dakota, Midwest, Rocky Mountain		oulf Divisions;
Manitoba and Saskatchewan Section	-	
K5NA	231,952	SO-MIX-HP
KØTT	135,408	SO-MIX-HP
WAØMHJ	112,660	
ABØRX N7WY	41,182 36,252	SO-MIX-HP SO-MIX-HP
	50,252	30-IVIIA-HP
KØAD	46,632	SO-MIX-LP
ACØW	24,012	SO-MIX-LP
WØZQ	19,530	SO-MIX-LP
W5GCX	12,810	SO-MIX-LP
WW3K	12,168	SO-MIX-LP
WC7S	2	SO-MIX-QRP
W5PR	77,520	SO-PH-HP
WDØBMS	1,750	SO-PH-HP

KØRJW	1,064	SO-PH-HP	WØIW	31,680	MSHP
KI4LP	1,020	SO-PH-HP	WA5PFJ	10,132	MSHP
WE6EZ	960	SO-PH-HP	W5RRR	1,080	MSHP
NØVRM	2,024	SO-PH-LP	KØNR	5,940	MSLP
AGØM	676	SO-PH-LP	OK1OFM	30	MSLP
KEØITC	560	SO-PH-LP	0201		
N5YBG	462	SO-PH-LP	Central Region		
WBØULX	456	SO-PH-LP	(Central and Great Lakes	Divisions; Ontario Eas	st, Ontario North,
WBØOLA	450	30-F11-LF	Ontario South, and Great	er Toronto Area Secti	ions)
KEØJWQ	22	SO-PH-QRP	WØAIH	384,652	SO-MIX-HP
			VE3KZ	99,858	SO-MIX-HP
N2IC	88,500	SO-CW-HP	K8MR	65,514	SO-MIX-HP
KVØQ	62,832	SO-CW-HP	AJ9C	34,028	SO-MIX-HP
NØAT	58,140	SO-CW-HP	VE3MM	14,280	SO-MIX-HP
NEØU	27,160	SO-CW-HP	-	,	
AC4CA	22,608	SO-CW-HP	ND9G	43,890	SO-MIX-LP
	77.040	60 01/1 B	N7ZZ	20,332	SO-MIX-LP
AE5GT	77,040	SO-CW-LP	WB9HFK	15,774	SO-MIX-LP
KØFLY	39,396	SO-CW-LP	WD9GJK	9,648	SO-MIX-LP
WA8ZBT	32,800	SO-CW-LP	W9MRH	6,960	SO-MIX-LP
KNØV	30,744	SO-CW-LP		,	
W5WTX	23,104	SO-CW-LP	AF9J	252	SO-MIX-QRP
			KEØL	8	SO-MIX-QRP
N5OE	31,356	SO-CW-QRP			
W5GZ	3,168	SO-CW-QRP	KF9US	9,912	SO-PH-HP
NØJK	816	SO-CW-QRP	N8BI	6,324	SO-PH-HP
KIØG	816	SO-CW-QRP	KØPJ	5,832	SO-PH-HP
WD5ABC	476	SO-CW-QRP	K8DJR	4,590	SO-PH-HP
	CR C20		K8NYM	4,500	SO-PH-HP
VE5MX	68,620	SOU-MIX-HP	NODINA	4 450	
K3PA	58,254	SOU-MIX-HP	N9RJM	4,450	SO-PH-LP
KØTI	57,114	SOU-MIX-HP	KE9YK	800	SO-PH-LP
кøкх	46,284	SOU-MIX-HP	W9ABK	720	SO-PH-LP
NG7M	30,080	SOU-MIX-HP	KD9GY	304	SO-PH-LP
К5КЈ	61,236	SOU-MIX-LP	KD9GOL	176	SO-PH-LP
NØEO (AAØAW, op)	38,976	SOU-MIX-LP	KC9AMM	32	SO-PH-QRP
N5DO	19,980	SOU-MIX-LP	RESAMINI	52	30-FII-QAF
KØEA	17,404	SOU-MIX-LP	NA8V	51,792	SO-CW-HP
			W5MX	46,104	SO-CW-HP
WA5LFD	12,276	SOU-MIX-LP	K8MP	39,360	SO-CW-HP
KØTLG	1,008	SOU-MIX-QRP	N8LJ	30,360	SO-CW-HP
Nº 120	1,000	See mint ditt	K9BGL	20,992	SO-CW-HP
кфім	644	SOU-PH-HP	10000	20,552	50 00 11
			W9RE	46,848	SO-CW-LP
K5YM	504	SOU-PH-LP	N9TF	22,400	SO-CW-LP
N7MZW	352	SOU-PH-LP	K4FT	21,440	SO-CW-LP
KØMCG	234	SOU-PH-LP	W9SE	18,144	SO-CW-LP
KØYR	120	SOU-PH-LP	W1NN	16,632	SO-CW-LP
K5LGX	32	SOU-PH-LP		-,	
KONNA	00 500		N8AP	10,440	SO-CW-QRP
KØNM	82,592	SOU-CW-HP	K2YAZ	10,296	SO-CW-QRP
AC5K	43,616	SOU-CW-HP	K4NAX	3,360	SO-CW-QRP
N5NA	41,952	SOU-CW-HP	WD8RIF	828	SO-CW-QRP
N5RZ	22,960	SOU-CW-HP	N8XX	540	SO-CW-QRP
NØAV	13,144	SOU-CW-HP			
NØNI	35,616	SOU-CW-LP	N4QS	66,236	SOU-MIX-HP
W5RYA			K9NR	43,368	SOU-MIX-HP
	26,788	SOU-CW-LP	ND4Y	41,856	SOU-MIX-HP
ADØRW	7,728	SOU-CW-LP	KE8EAS	36,816	SOU-MIX-HP
WZØW	3,752	SOU-CW-LP	AC9S	33,800	SOU-MIX-HP
VE4VJR	64	SOU-CW-LP			
NØUR	1,680	SOU-CW-QRP	VA3DF	66,150	SOU-MIX-LP
	1,000		N8VV	18,648	SOU-MIX-LP
NX5M	281,280	MSHP	N8EV	9,360	SOU-MIX-LP
	, -		K9PG	7,384	SOU-MIX-LP
2018 10 Meter Contest		Full Resu	lts – Version 1.11		Page 19 of 21

KØPG	7,200	SOU-MIX-LP	N4TB	238,920	SO-CW-HP
			NN4X	96,580	SO-CW-HP
K8ZT	2,080	SOU-MIX-QRP	N4XD	86,612	SO-CW-HP
W9JA	2,400	SOU-PH-HP	KU8E	74,420	SO-CW-HP
N8PCN	2,400	SOU-PH-HP			
VA3PC			N4WW (N4KM, op)	177,936	SO-CW-LP
	1,944 476	SOU-PH-HP	K7SV	39,780	SO-CW-LP
VE3HED	470	SOU-PH-HP	N1TO	36,120	SO-CW-LP
K2DRH	38,266	SOU-PH-LP	N5EE	33,368	SO-CW-LP
N9UDO	768	SOU-PH-LP	KN4Y	26,344	SO-CW-LP
N8VZ	252	SOU-PH-LP	NEDCC	46.040	
N9BC	140	SOU-PH-LP	N7RCS	16,848	SO-CW-QRP
K9BBQ	84	SOU-PH-LP	AC4G	5,040	SO-CW-QRP
KJEDQ	04	500 111 21	W4ZGR	4,324	SO-CW-QRP
AI9T	45,288	SOU-CW-HP	N3GD	4,232	SO-CW-QRP
N7US	41,616	SOU-CW-HP	KS4YX	2,408	SO-CW-QRP
W8CZN	38,220	SOU-CW-HP	K5KG	189,372	SOU-MIX-HP
KA9FOX	22,072	SOU-CW-HP	K4WI	155,430	SOU-MIX-HP
N8BJQ	18,816	SOU-CW-HP		,	
			N4RV	139,958	SOU-MIX-HP
W9XT	65,448	SOU-CW-LP	K4MM	134,136	SOU-MIX-HP
WT9Q	47,880	SOU-CW-LP	N2TU	111,962	SOU-MIX-HP
K8AJS	15,744	SOU-CW-LP	К9ОМ	105,544	SOU-MIX-LP
N8EA	9,920	SOU-CW-LP	W4EE	43,440	SOU-MIX-LP
VA3EC	2,880	SOU-CW-LP	K4JKB	10,432	SOU-MIX-LP
			WN4AFP	3,948	SOU-MIX-LP
VA3AMX	160	SOU-CW-QRP	W4PM	3,276	SOU-MIX-LP
NV9L	247,170	MSHP	VV4F1VI	5,270	300-IVIIX-LF
W8PR	77,356	MSHP	WV4P	9,120	SOU-PH-HP
WORK	77,550	WISH IF	KN4BIT	7,350	SOU-PH-HP
W8RP	7,936	MSLP	К4ККС	5,460	SOU-PH-HP
W9ET	2,992	MSLP	W4KW	1,824	SOU-PH-HP
VE3LON	680	MSLP	WS4WW	1,722	SOU-PH-HP
Southeast Region			W4ZAO	3,744	SOU-PH-LP
(Delta, Roanoke and Southeas			AJ4VE	1,188	SOU-PH-LP
N800	443,954	SO-MIX-HP	W5TCB	756	SOU-PH-LP
N4EEB	419,136	SO-MIX-HP	K4LDC	726	SOU-PH-LP
N4OX	210,504	SO-MIX-HP	KC2DPF	520	SOU-PH-LP
N4YDU	155,216	SO-MIX-HP			
KM4HI				247 702	
	65,844	SO-MIX-HP	N4BP	247,792	SOU-CW-HP
KODS			NR4M	73,416	SOU-CW-HP
K2PS	178,746	SO-MIX-LP	NR4M KØLUZ	73,416 70,992	SOU-CW-HP SOU-CW-HP
N8II	178,746 169,260	SO-MIX-LP SO-MIX-LP	NR4M KØLUZ W4CU	73,416 70,992 56,448	SOU-CW-HP SOU-CW-HP SOU-CW-HP
N8II WB4TDH	178,746 169,260 132,624	SO-MIX-LP SO-MIX-LP SO-MIX-LP	NR4M KØLUZ	73,416 70,992	SOU-CW-HP SOU-CW-HP
N8II WB4TDH WD5F	178,746 169,260 132,624 77,836	SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP	NR4M KØLUZ W4CU NA5NN (W5UE, op)	73,416 70,992 56,448 52,752	SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-HP
N8II WB4TDH	178,746 169,260 132,624	SO-MIX-LP SO-MIX-LP SO-MIX-LP	NR4M KØLUZ W4CU NA5NN (W5UE, op) AA4NP	73,416 70,992 56,448 52,752 19,312	SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-LP
N8II WB4TDH WD5F K4EJ	178,746 169,260 132,624 77,836 57,230	SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP	NR4M KØLUZ W4CU NA5NN (W5UE, op) AA4NP W4KPG	73,416 70,992 56,448 52,752 19,312 12,672	SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-LP SOU-CW-LP
N8II WB4TDH WD5F K4EJ N4ELM	178,746 169,260 132,624 77,836 57,230 6,790	SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-QRP	NR4M KØLUZ W4CU NA5NN (W5UE, op) AA4NP W4KPG AF3K	73,416 70,992 56,448 52,752 19,312 12,672 12,416	SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-LP SOU-CW-LP SOU-CW-LP
N8II WB4TDH WD5F K4EJ	178,746 169,260 132,624 77,836 57,230	SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP	NR4M KØLUZ W4CU NA5NN (W5UE, op) AA4NP W4KPG AF3K KM2T	73,416 70,992 56,448 52,752 19,312 12,672 12,416 10,092	SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP
N8II WB4TDH WD5F K4EJ N4ELM	178,746 169,260 132,624 77,836 57,230 6,790	SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-QRP	NR4M KØLUZ W4CU NA5NN (W5UE, op) AA4NP W4KPG AF3K	73,416 70,992 56,448 52,752 19,312 12,672 12,416	SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-LP SOU-CW-LP SOU-CW-LP
N8II WB4TDH WD5F K4EJ N4ELM NA4C	178,746 169,260 132,624 77,836 57,230 6,790 364	SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-QRP SO-MIX-QRP	NR4M KØLUZ W4CU NA5NN (W5UE, op) AA4NP W4KPG AF3K KM2T	73,416 70,992 56,448 52,752 19,312 12,672 12,416 10,092 6,448	SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP
N8II WB4TDH WD5F K4EJ N4ELM NA4C W4DD	178,746 169,260 132,624 77,836 57,230 6,790 364 25,248 9,324	SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-QRP SO-MIX-QRP	NR4M KØLUZ W4CU NA5NN (W5UE, op) AA4NP W4KPG AF3K KM2T N4LF	73,416 70,992 56,448 52,752 19,312 12,672 12,416 10,092	SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP
N8II WB4TDH WD5F K4EJ N4ELM NA4C W4DD N4MM	178,746 169,260 132,624 77,836 57,230 6,790 364 25,248	SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-QRP SO-MIX-QRP SO-PH-HP	NR4M KØLUZ W4CU NA5NN (W5UE, op) AA4NP W4KPG AF3K KM2T N4LF K3TW W5/KH6KG	73,416 70,992 56,448 52,752 19,312 12,672 12,416 10,092 6,448 12,000	SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-QRP SOU-CW-QRP
N8II WB4TDH WD5F K4EJ N4ELM NA4C W4DD N4MM W4SLT	178,746 169,260 132,624 77,836 57,230 6,790 364 25,248 9,324 2,436	SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-QRP SO-PH-HP SO-PH-HP SO-PH-HP	NR4M KØLUZ W4CU NA5NN (W5UE, op) AA4NP W4KPG AF3K KM2T N4LF K3TW W5/KH6KG N3CW	73,416 70,992 56,448 52,752 19,312 12,672 12,416 10,092 6,448 12,000 384 88	SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP
N8II WB4TDH WD5F K4EJ N4ELM NA4C W4DD N4MM W4SLT K4HWS W1LBV	178,746 169,260 132,624 77,836 57,230 6,790 364 25,248 9,324 2,436 1,332 342	SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-QRP SO-MIX-QRP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-HP	NR4M KØLUZ W4CU NA5NN (W5UE, op) AA4NP W4KPG AF3K KM2T N4LF K3TW W5/KH6KG N3CW W4DR	73,416 70,992 56,448 52,752 19,312 12,672 12,416 10,092 6,448 12,000 384 88 110,296	SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP
N8II WB4TDH WD5F K4EJ N4ELM NA4C W4DD N4MM W4SLT K4HWS W1LBV WD5DJW	178,746 169,260 132,624 77,836 57,230 6,790 364 25,248 9,324 2,436 1,332 342 4,268	SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-QRP SO-MIX-QRP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-HP	NR4M KØLUZ W4CU NA5NN (W5UE, op) AA4NP W4KPG AF3K KM2T N4LF K3TW W5/KH6KG N3CW	73,416 70,992 56,448 52,752 19,312 12,672 12,416 10,092 6,448 12,000 384 88	SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP
N8II WB4TDH WD5F K4EJ N4ELM NA4C W4DD N4MM W4SLT K4HWS W1LBV WD5DJW KB4OLM	178,746 169,260 132,624 77,836 57,230 6,790 364 25,248 9,324 2,436 1,332 342	SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-QRP SO-MIX-QRP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-HP	NR4M KØLUZ W4CU NA5NN (W5UE, op) AA4NP W4KPG AF3K KM2T N4LF K3TW W5/KH6KG N3CW W4DR	73,416 70,992 56,448 52,752 19,312 12,672 12,416 10,092 6,448 12,000 384 88 110,296	SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP
N8II WB4TDH WD5F K4EJ N4ELM NA4C W4DD N4MM W4SLT K4HWS W1LBV WD5DJW	178,746 169,260 132,624 77,836 57,230 6,790 364 25,248 9,324 2,436 1,332 342 4,268	SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-QRP SO-MIX-QRP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-HP	NR4M KØLUZ W4CU NA5NN (W5UE, op) AA4NP W4KPG AF3K KM2T N4LF K3TW W5/KH6KG N3CW W4DR W4AAW	73,416 70,992 56,448 52,752 19,312 12,672 12,416 10,092 6,448 12,000 384 88 110,296 63,624	SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP
N8II WB4TDH WD5F K4EJ N4ELM NA4C W4DD N4MM W4SLT K4HWS W1LBV WD5DJW KB4OLM	178,746 169,260 132,624 77,836 57,230 6,790 364 25,248 9,324 2,436 1,332 342 4,268 3,456	SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-QRP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-LP SO-PH-LP	NR4M KØLUZ W4CU NA5NN (W5UE, op) AA4NP W4KPG AF3K KM2T N4LF K3TW W5/KH6KG N3CW W4DR W4AAW W4AAW W4MYA WB4WXE	73,416 70,992 56,448 52,752 19,312 12,672 12,416 10,092 6,448 12,000 384 88 110,296 63,624 14,960 1,824	SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP MSHP MSHP MSHP
N8II WB4TDH WD5F K4EJ N4ELM NA4C W4DD N4MM W4DD N4MM W4SLT K4HWS W1LBV WD5DJW KB4OLM KC1IH	178,746 169,260 132,624 77,836 57,230 6,790 364 25,248 9,324 2,436 1,332 342 4,268 3,456 2,968	SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-QRP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-LP SO-PH-LP SO-PH-LP	NR4M KØLUZ W4CU NA5NN (W5UE, op) AA4NP W4KPG AF3K KM2T N4LF K3TW W5/KH6KG N3CW W4DR W4AAW W4AAW W4MYA W84WXE WA1S	73,416 70,992 56,448 52,752 19,312 12,672 12,416 10,092 6,448 12,000 384 88 110,296 63,624 14,960 1,824 16,200	SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-QRP SOU-CW-LP
N8II WB4TDH WD5F K4EJ N4ELM NA4C W4DD N4MM W4SLT K4HWS W1LBV WD5DJW KB4OLM KC1IH N9OU AE4M	178,746 169,260 132,624 77,836 57,230 6,790 364 25,248 9,324 2,436 1,332 342 4,268 3,456 2,968 2,496 2,464	SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-QRP SO-MIX-QRP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-LP SO-PH-LP SO-PH-LP SO-PH-LP SO-PH-LP	NR4M KØLUZ W4CU NA5NN (W5UE, op) AA4NP W4KPG AF3K KM2T N4LF K3TW W5/KH6KG N3CW W4DR W4AAW W4AAW W4MYA W84WXE WA1S W4AMC	73,416 70,992 56,448 52,752 19,312 12,672 12,416 10,092 6,448 12,000 384 88 110,296 63,624 14,960 1,824 16,200 9,724	SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP MSHP MSHP MSHP MSHP MSLP MSLP
N8II WB4TDH WD5F K4EJ N4ELM NA4C W4DD N4MM W4SLT K4HWS W1LBV WD5DJW KB4OLM KC1IH N9OU	178,746 169,260 132,624 77,836 57,230 6,790 364 25,248 9,324 2,436 1,332 342 4,268 3,456 2,968 2,496	SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-QRP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-LP SO-PH-LP SO-PH-LP SO-PH-LP	NR4M KØLUZ W4CU NA5NN (W5UE, op) AA4NP W4KPG AF3K KM2T N4LF K3TW W5/KH6KG N3CW W4DR W4AAW W4AAW W4MYA W84WXE WA1S	73,416 70,992 56,448 52,752 19,312 12,672 12,416 10,092 6,448 12,000 384 88 110,296 63,624 14,960 1,824 16,200	SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-QRP SOU-CW-LP
N8II WB4TDH WD5F K4EJ N4ELM NA4C W4DD N4MM W4SLT K4HWS W1LBV WD5DJW KB4OLM KC1IH N9OU AE4M	178,746 169,260 132,624 77,836 57,230 6,790 364 25,248 9,324 2,436 1,332 342 4,268 3,456 2,968 2,496 2,464	SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-LP SO-MIX-QRP SO-MIX-QRP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-HP SO-PH-LP SO-PH-LP SO-PH-LP SO-PH-LP SO-PH-LP	NR4M KØLUZ W4CU NA5NN (W5UE, op) AA4NP W4KPG AF3K KM2T N4LF K3TW W5/KH6KG N3CW W4DR W4AAW W4AAW W4MYA W84WXE WA1S W4AMC	73,416 70,992 56,448 52,752 19,312 12,672 12,416 10,092 6,448 12,000 384 88 110,296 63,624 14,960 1,824 16,200 9,724	SOU-CW-HP SOU-CW-HP SOU-CW-HP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-LP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP SOU-CW-QRP MSHP MSHP MSHP MSHP MSLP MSLP

Northeast Region			K4JDF	1,452	SOU-PH-HP
(New England, Hudson and At	lantic Divisions:	Maritime and	K2ANZ	1,102	SOU-PH-HP
Quebec Sections)			W8LYJ	132	SOU-PH-HP
K1KI	196,876	SO-MIX-HP	WOLIS	152	500 11111
K3ZO	141,100	SO-MIX-HP	KC3INR	130	SOU-PH-LP
N2ED	30,660	SO-MIX-HP	KT3RR	70	SOU-PH-LP
K1RO	26,660	SO-MIX-HP	W4FEB	50	SOU-PH-LP
			VE2HAY	48	SOU-PH-LP
NS2N	24,864	SO-MIX-HP	VA2FW	2	SOU-PH-LP
VE1ZA	31,120	SO-MIX-LP		-	0001112
NS3T	17,712	SO-MIX-LP	КСЗКВЕ	32	SOU-PH-QRP
K1VSJ	9,912	SO-MIX-LP			
KØDI	9,050	SO-MIX-LP	N2MM	136,144	SOU-CW-HP
WA1LAD	8,460	SO-MIX-LP	WA1J (N1TA, op)	73,216	SOU-CW-HP
WAILAD	0,400		AA3B	71,820	SOU-CW-HP
WB2AMU	3,780	SO-MIX-QRP	W8HAP	63,180	SOU-CW-HP
K2YGM	936	SO-MIX-QRP	W2GDJ	58,300	SOU-CW-HP
WA2CLP	228	SO-MIX-QRP	K2DFC	41,400	SOU-CW-LP
AF1T	31,050	SO-PH-HP	W1VEM	25,620	SOU-CW-LP
KE2DX	27,448	SO-PH-HP	WA3MD	12,992	SOU-CW-LP
K2XA	23,422	SO-PH-HP	K1NY	9,632	SOU-CW-LP
N8RA	13,200	SO-PH-HP	W2CG	5,544	SOU-CW-LP
WA8UEG	9,512	SO-PH-HP	AA1JD	159,360	MSHP
			W3RFC	66,000	MSHP
K2SDS	10,428	SO-PH-LP			
NO2EL	5,220	SO-PH-LP	K3CCR	56,012	MSHP
W3MBC	2,832	SO-PH-LP	N1SOH	15,600	MSHP
N1NQD	2,688	SO-PH-LP	W1AST	4,650	MSHP
K1YWW	1,760	SO-PH-LP	NC1CC	20,280	MSLP
			W1FM	10,816	MSLP
N1AIA	2	SO-PH-QRP	КСЗКОН	464	MSLP
W1ECT	54,708	SO-CW-HP	RESKOT	404	IVIJLF
	,				
W2OIB	48,348	SO-CW-HP			
K1RM	47,112	SO-CW-HP			
КЗТС	45,408	SO-CW-HP			
KW2J	43,428	SO-CW-HP			
W3BGN	63,400	SO-CW-LP			
K1VUT	44,712	SO-CW-LP			
W1QK	30,240	SO-CW-LP			
NIIX	19,440	SO-CW-LP			
W3CB	,				
WSCB	14,144	SO-CW-LP			
K2SM	3,740	SO-CW-QRP			
K1SX	2,304	SO-CW-QRP			
KN1H	1,120	SO-CW-QRP			
WO2N	924	SO-CW-QRP			
KC2WUF	480	SO-CW-QRP			
W3EP	199,120	SOU-MIX-HP			
K3WW	103,964	SOU-MIX-HP			
K1ZZ	66,480	SOU-MIX-HP			
K3AU (K2YWE, op)	55,266	SOU-MIX-HP			
N3QE	52,528	SOU-MIX-HP			
K1ZE	19,694	SOU-MIX-LP			
WA2JQK	19,504	SOU-MIX-LP			
W3KB	15,624	SOU-MIX-LP			
AC3BU	12,656	SOU-MIX-LP			
W2FDJ	11,200	SOU-MIX-LP			
K200					
K2QO	704	SOU-MIX-QRP			
W2RD	21,952	SOU-PH-HP			
K3SOM	4,464	SOU-PH-HP			
2010 10 M + C	1,101		1. 17 1 1 1 1		D OI COI