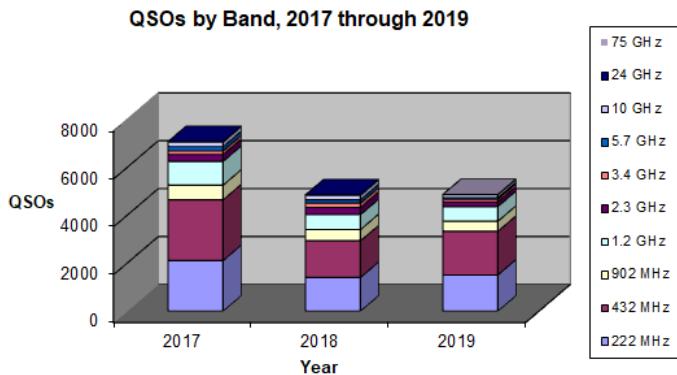




# ARRL 222 MHz and Up Distance Contest 2019 Full Results

By John "JK" Kalenowsky, K9JK (k9jk@arrl.net)

As noted in the Preliminary Results, there was a slight increase in log submissions this year as compared to 2018 but still shy of the 199 logs submitted in 2017. Single-Operator remained the most popular category with 117 entries. Thirty-four Rover, five Multioperator and one checklog brought 2019's total log count to 157.



This year did bring a few firsts for the contest. For the first time, we had ability to fully cross-check (log check) entries. Next, this year offered the first activity from Region 18, which was reported in the log received from AL7JX in Alaska. While a QSO has yet to be reported on the 47 GHz band in the three years this contest has existed, a QSO was reported on the 75 GHz band by WB8TGY in 2019.

## The Battle of the Bands

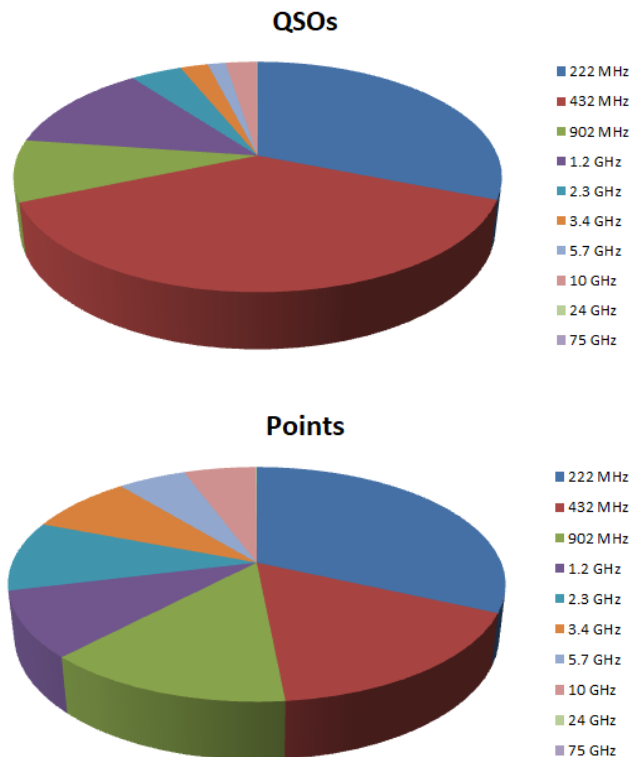
The 432 MHz band continued its reign as the most popular with 146 of the 157 submitted logs (93%) reporting 1,827 QSOs on this band (almost 300 more contacts than 2018). 127 logs contained 1,512 QSOs on 222 MHz which was also an increase of almost 100 over last year's count for the band. 222 MHz repeated as the point leader, almost doubling 432's point total thanks to the 2x point multiplier. Unfortunately, 2019's QSO counts on the higher bands (902 MHz through 24 GHz) dropped from last year's numbers

Less than 100 logs reported QSOs on each of the remaining bands. An interesting note, even with fewer overall logs more points were scored in 2018 on the 2.3, 3.4, and 24 GHz bands than were scored last year. Table 2 shows the activity level for all bands.

**Table 1 – Activity by Band**

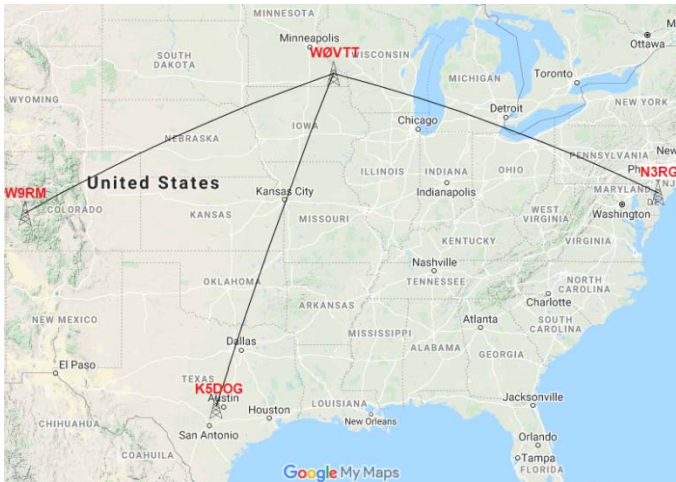
Band	Logs	QSOs	Distance	Points
222	127	1,512	338,264	676,528
432	146	1,827	355,978	355,978
902	66	421	72,737	290,948
1.2G	89	610	96,474	192,948
2.3G	35	198	48,444	205,878
3.4G	29	107	24,040	173,860
5.7G	16	69	11,300	113,000
10G	32	121	19,890	119,340
24G	2	2	78	1,560
75G	1	1	1	20

The following two charts give a more visual picture of the point value for the higher bands. The wedge for 432 MHz dominates the QSOs pie but notice how much smaller the 432 MHz wedge is in the Points pie. Similarly, the Points wedge for 1.2 GHz is relatively smaller than the QSOs wedge. The sizes of the wedges end up being about the same for 222 MHz in both charts, but the Points wedges are larger for 902 MHz and the 2.3 and higher GHz bands than their QSOs wedges.



## Good DX

While QSOs spanning paths in the 1,400 to 1,600 kilometer range are notable, three of 2019's QSOs on 222 MHz were just that, stretching beyond the 1,331 km path that was the longest for the contest (a record set last year). Wyatt (ACØRA) and Mike (WØVTT) operated at Mike's Minnesota QTH in the Multioperator category and were one end of all three. A 1,610 km path to Steve, K5DOG was the longest but paths of 1,497 km to Ray, N3RG and 1,467 to Keith, W9RM are also significant.



WØVTT's long distance paths on 222 MHz. (Map by K9JK, with inspiration from K2DSL's <http://www.levinecentral.com/adif2map/adif2map.php> and map services from <https://www.google.com/maps>)

While use of repeaters is not allowed for contacts in this and other VHF & Up Contests, 'repeating' IS allowed for path lengths and Phil, K3TUF, did just that, matching 2018's longest path on 432 MHz at 781 km, with Joe, K9MRI 'repeating' as the west end of the path. Dale, AF1T, and Dave, K1RZ, paired up for this year's longest path on the 902 MHz band, at a healthy 623 km.

A 707 km path was crossed on the 1.2 GHz band by Jeff, K1TEO, reaching to Dave, K2CKA in North Carolina to set a new best for the band, topping the previous best by 47 km. On 2.3 GHz, Dale, AF1T, linked up with Bob, W2SJ to complete a contact over a 476 km path. Jeff, K1TEO, was party to the 2019's longest path on 3.4 GHz, reaching 466 km to the Rover station of Bill, W2RMA, at Blue Knob in Pennsylvania.

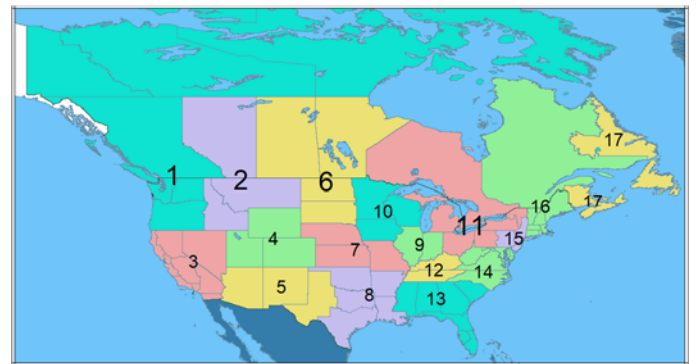
Contacts were completed over 506 km paths on 5.7 and 10 GHz, setting new longests for the bands. Dale, AF1T and Ray, N3RG, were the terminal points for the path, crossing between Regions 15 and 16. Both paths topped the previous bests for the bands, set in 2017; 146 km was the margin on 5.7 GHz, and 100 km was the increase on 10 GHz.

Now that there are three years of history for this contest, the following table shows the longest paths reported in the submitted logs for each of the bands with the year, the scored length of the path and the stations that were at each end of the path.

**2017 through 2019 – Best DX by Band**  
(Italics = no log received for that call)

Band	Year	km	Between	
222 MHz	2019	1,610	WØVTT (EN33xx)	K5DOG (EM00wh)
432 MHz	2018,2019	781	K3TUF (FN10we)	K9MRI (EN70iu)
902 MHz	2018	743	K1RZ (FM19jh)	N1JEZ (FN44ar)
1.2 GHz	2019	707	K1TEO (FN31jh)	K2CKA (FM06qn)
2.3 GHz	2018	660	VE3ZV (EN92vw)	WZ1V (FN31rh)
3.4 GHz	2017	519	K1RZ (FM19jh)	K8TQK (EM89je)
5.7 GHz	2019	506	AF1T (FN43cd)	N3RG (FM29ki)
10 GHz	2019	506	AF1T (FN43cd)	N3RG (FM29ki)
24 GHz	2018	48	K9PW/R (EN51xr)	W9SNR/R (EN62ad)
75 GHz	2019	1	WB8TGY/R (EN74cx)	WW8M (EN74cx)

## Map of the Regions



The 222 MHz and Up Contest is organized into 18 Regions, recognizing the geographic disparities of a continent-wide VHF+ contest. Each Region has its own leader tables and is covered separately in the writeup. (Map by K9JK, based on E18C's [mapability.com](http://www.mapability.com) North American Overlay Map)

*A table of the Top Three entries in each Region for all three categories follows the text of the writeup and the full Line Scores data is available online.*

### Region 11

A plethora of activity around the eastern Great Lakes brought this region (consisting of the states of Michigan and Ohio, ARRL sections of Northern New York, Western New York and Western Pennsylvania, plus the province of Ontario) to the lead position in log submissions, with 16 Single Operator, 1 Multi-operator and 6 Classic Rover entries, for a total of 23.

Jarred, KF2MR/R, roved through 4 Grids (FN02, FN03, FN12 and FN13), completing 120 QSOs to achieve the region's top score of 58,251 with 7 bands (222 MHz through 5.7 GHz). The region's top Single Operator

score was claimed by VE3ZV; Steve's 80 QSOs were completed on 6 bands (222 MHz through 3.4 GHz) for a final score of 51,619. Lu, N2SLN, partnered with Jon, W2BDN, to complete 64 Qs on the 222 MHz, 432 MHz, 902 MHz and 1.2 GHz bands for a final score of 30,965 in the Multioperator category.



N2SLN's "MobileComm1" contesting van and W2BDN's car as they were set up at their western FN22 hilltop location. (Photo credit – Lu Schaefer, N2SLN)

#### Region 11 – Best DX by Band (*Italics = no log received for that call*)

Band	km	Between	
222 MHz	728	KB8U (EN71sw)	K3TUF (FN10we)
432 MHz	728	KB8U (EN71sw)	K3TUF (FN10we)
902 MHz	607	VE3ZV (EN92vw)	K1TEO (FN31jh)
1.2 GHz	581	K2YAZ (EN74av)	WØZQ (EN34it)
2.3 GHz	378	K2YAZ (EN74av)	<i>WD9BGA (EN53ba)</i>
3.4 GHz	410	K2YAZ (EN74av)	<i>W9ZIH (EN51nv)</i>
5.7 GHz	42	KF2MR/R (FN03wa)	N2YB (FN12dt)
10 GHz	410	K2YAZ (EN74av)	<i>W9ZIH (EN51nv)</i>
24 GHz	39	VA3TO (FN03cn)	VE3SMA/R (FN03df)
75 GHz	1	WB8TGY/R (EN74cx)	<i>WW8M (EN74cx)</i>

Region 11's lone team entry, the "Lake Ontario Group" expanded from a small team last year into a large team for 2019. Members KD2LGX, KF2MR/R, N2WK, N2YB, VE3CRU/R, VE3DS, VE3ZV and W2EV/R totaled up a team score of 242,799.

#### Region 15

As the gateway to New England (Region 16), Region 15 consists of New Jersey and the ARRL sections of Eastern New York, Eastern Pennsylvania, and New York City-Long Island. Of twenty-one total logs from the region, 17 were Single Operator, accompanied by 4 Rovers. The region's 982 QSOs (out of 1008) was the top QSO count among all the regions.

#### Region 15 – Best DX by Band (*Italics = no log received for that call*)

Band	km	Between	
222 MHz	1,497	N3RG (FM29ki)	WØVTT (EN33xx)
432 MHz	781	K3TUF (FN10we)	<i>K9MRI (EN70iu)</i>
902 MHz	526	WA3DRC (FN20lf)	VE3ZV (EN92vw)
1.2 GHz	526	WA3DRC (FN20lf)	VE3ZV (EN92vw)
2.3 GHz	364	K3TUF (FN10we)	K1GX (FN31tt)
3.4 GHz	466	W2RMA/R (FN00rg)	K1TEO (FN31jh)
5.7 GHz	506	N3RG (FM29ki)	AF1T (FN43cd)
10 GHz	506	N3RG (FM29ki)	AF1T (FN43cd)

Ray, N3RG's, score of 93,818 topped the region's Single Operator entries. Ray's QSO total was 114, using 222, 432 and 902 MHz, plus 2.3 through 10 GHz. Repeating and improving over his 2018 score, Al, K3WGR, soloed in the NN3Q/R roverbobile through FN00, FN11 and FN21 with 8 bands (222 MHz through 10 GHz) to complete 80 QSOs for a final score of 52,570.

Several members of the Mt. Airy VHF Society, also known as the Packrats, formed a large team in the region, cleverly enough named "Packrats". An aggregate score of 354,027 was compiled from the logs of K3TUF, KR1ST, N2NT, N3RG, W2BVH, W2SJ, W3SZ, WA3DRC, WF3W and WW2Y.

#### Region 1

Twenty logs from the states of Oregon and Washington, plus British Columbia and Canada's Northern Territories put Region 1 in the third spot in total logs. The category counts were: 13 Single Operator, 4 Rover, 2 Multioperator and 1 Checklog.

VE7FYC, led the region from his perch in British Columbia with a score of 8,326. Scott completed 25 contacts using the bottom 4 bands for this contest (222 MHz through 1.2 GHz). Another 'repeater', Mark, KE7MSU/R, topped the region's rovers as he did last year. His 2019 score of 5,437 was achieved by traversing two grids (CN84 and CN85), and completing 31 QSOs on the 222 MHz through 1.2 GHz bands. The K3RW Multioperator team claimed Region 1's best score in the category. Operating at the QTH of Nick, WB7PEK, but using Greg's callsign, they logged 6 QSOs on the 222 and 432 MHz bands for 1,016 points.

#### Region 1 – Best DX by Band (*Italics = no log received for that call*)

Band	km	Between	
222 MHz	441	VE7FYC (CN89ji)	K7YDL (CN85mj)
432 MHz	386	N7KSI (CN86mn)	VE7AFZ/R (CO80ja)
902 MHz	90	AC7SG/R (CN88oq)	<i>KV7DX (CN88fb)</i>
1.2 GHz	254	KE7SW (CN87td)	VE7FYC (CN89ji)
2.3 GHz	22	K7ND (CN87qf)	KE7SW (CN87td)
3.4 GHz	22	K7ND (CN87qf)	KE7SW (CN87td)



## Region 10

The states of Iowa, Minnesota and Wisconsin form Region 10 and were the source of 19 logs: 14 Single Operator, 4 Rovers and 1 Multioperator.

A Multioperator effort at WØVTT's Radio Ranch claimed the region's top score of 32,442. Wyatt, ACØRA, visited Mike's QTH in the northeasternmost sub-grid of EN33 and they focused on 222 MHz with 38 of their 42 QSOs on the band (including three LONG paths in the 1,500 km region as mentioned earlier). Paul, WØUC, returned to lead the region's Single Operator entries with a final score of 28,618 from 67 Qs using the 4 bands, 222 MHz through 1.2 GHz. Region 10's top Rover score of 6,539 was achieved by NØHJZ/R; Rich only used 432 MHz from the 4 grids he visited (EN24, EN25, EN34 and EN35) but his 31 contacts netted the region's top score in the category, despite the distance multiplier only being 1 for the band.



The view toward the Twin Cities from the EN43ax spot where KCØP/R and NØHZO/R set up for several of their contacts. (Photo credit – Mel Larson, KCØP)

### Region 10 – Best DX by Band (*Italics = no log received for that call*)

Band	km	Between	
222 MHz	1610	WØVTT (EN33xx)	<i>K5DOG (EM00wh)</i>
432 MHz	702	NØURW (EN41go)	N4QWZ (EM66ok)
902 MHz	581	WØZQ (EN34it)	K2YAZ (EN74av)
1.2 GHz	581	WØZQ (EN34it)	K2YAZ (EN74av)
2.3 GHz	28	WØZQ (EN34it)	<i>WØGHZ (EN34Ix)</i>
3.4 GHz	28	WØZQ (EN34it)	<i>WØGHZ (EN34Ix)</i>
10 GHz	246	KØAWU (EN37ed)	<i>WØGHZ (EN34Ix)</i>

Two teams were active in the region. KCØP/R, NØHJZ/R, NØHZO/R, NØSUW/R, WØUC and WØVTT pre-registered as Large Team “UHF Da!” and claimed an aggregate score total of 77,656. Small Team “CVVHF’ers” compiled a total score of 18,552 from the logs of K9MU, N9CIQ and N9ISN.

## Region 16

Seventeen logs from the six states of New England (plus the province of Quebec) claimed the fifth spot for log submissions. The region's 14 Single Operator and three Rover logs contained 985 total QSOs.

### Region 16 – Best DX by Band (*Italics = no log received for that call*)

Band	km	Between	
222 MHz	883	K1TEO (FN31jh)	<i>K8TQK (EM89je)</i>
432 MHz	707	K1TEO (FN31jh)	<i>K2CKA (FM06qn)</i>
902 MHz	623	AF1T (FN43cd)	K1RZ (FM19jh)
1.2 GHz	707	K1TEO (FN31jh)	<i>K2CKA (FM06qn)</i>
2.3 GHz	476	AF1T (FN43cd)	<i>W2SJ (FM29jr)</i>
3.4 GHz	466	K1TEO (FN31jh)	<i>W2RMA/R (FN00rg)</i>
5.7 GHz	506	AF1T (FN43cd)	N3RG (FM29ki)
10 GHz	506	AF1T (FN43cd)	N3RG (FM29ki)

With his band capability fully restored after having only 4 bands in 2018, Jeff, K1TEO, handily repeated as the top Single Operator for the region with a score of 214,625. Jeff's persistence yielded a QSO total of 247 across his station's 8 bands, 222 MHz through 10 GHz. Among the region's three Rovers, a point total of 13,593 from 49 QSOs across 7 bands (222, 432 and 902 MHz plus 1.2, 2.3, 5.7 and 10 GHz), let Chris, W1RGA/R claim the top spot for the category, just as he did in 2018. Chris visited FN32, FN33, FN42 and FN43.

The “Really Weak Signal Group” returned as the lone team from Region 16. The efforts of team members AF1T, K1TEO, N1JEZ, W1AIM and W1GHZ netted a total Small Team score of 377,142.

## Region 13

Eleven Single Operator and four Rover logs from the states of Alabama, Florida, Mississippi and South Carolina were submitted from Region 13 (Georgia is also in the region and there were stations active but no logs were submitted from the state).

With 139 QSOs across 8 bands (222 MHz through 10 GHz), Chuck, KØVXM, reclaimed the top spot in the Single Operator category with a score of 89,408. A log-checked score of 12,660 from 22 QSOs netted Sandra, K4SME/R, the region's top rover score.

**Region 13 – Best DX by Band (Italics = no log received for that call)**

Band	km	Between	
222 MHz	714	N4TWX (EL89tw)	<i>KE8FD (EM64jv)</i>
432 MHz	714	N4TWX (EL89tw)	<i>KE8FD (EM64jv)</i>
902 MHz	377	N4TWX (EL89tw)	<i>KF4YOX (EL96an)</i>
1.2 GHz	377	N4TWX (EL89tw)	<i>KF4YOX (EL96an)</i>
2.3 GHz	283	K4SME/R & N2CEI/R (EL89xc)	<i>KF4YOX (EL96an)</i>
3.4 GHz	239	KØVXM (EL98pj)	<i>KF4YOX (EL96an)</i>
5.7 GHz	208	KØVXM (EL98pj)	K4SME/R & N2CEI/R (EL96av)
10 GHz	213	KØVXM (EL98pj)	K4SME/R & N2CEI/R (EL86xv)

Team “Alpha Hotel” was Region 13’s lone Small Team. Team members KØVXM, K4RSV/R, K4SME/R and N2CEI/R compiled a total score of 116,817.

**Region 3**

Nine Single Operator and three Rover logs received from Nevada and 6 of California’s 9 ARRL Sections contained 195 QSOs.

Norm, KC6ZWT, lead the region’s Single Operator entrants with 37 Qs on 5 bands (222 MHz through 2.3 GHz) for a final score of 9,088. Pete, N6ZE/R, visited two sub-grids of DM04 to log 25 contacts on the bands 222 MHz through 1.2 GHz for a final score of 2,775.

**Region 3 – Best DX by Band (Italics = no log received for that call)**

Band	km	Between	
222 MHz	415	W6IT (DM13bp)	<i>K6MYC (DM07db)</i>
432 MHz	344	W6IT (DM13bp)	<i>W7OJT (DM24ul)</i>
902 MHz	151	KC6ZWT (CM98no)	<i>W6PQL (CM97an)</i>
1.2 GHz	242	K2GMY (CM88wb)	<i>K6MYC (DM07db)</i>
2.3 GHz	151	KC6ZWT (CM98no)	<i>W6PQL (CM97an)</i>
10 GHz	41	W6IT (DM13bp)	<i>N6TEB (DM03ww)</i>

**Region 9**

Illinois and Indiana form Region 9. The region’s three Single Operator and three Rover logs were all from Illinois.

Jim, W9SNR/R, set up at three different spots, EN51, EN62 and EN52, and completed 93 contacts on his 9 bands (222 MHz through 24 GHz). Jeff, K9YR, bested the region’s Single-Operator entries with a score of 3,301 from 19 QSOs made on the 222 MHz, 432 MHz and 1.2 GHz bands.

**Region 9 – Best DX by Band (Italics = no log received for that call)**

Band	km	Between	
222 MHz	430	W9SNR/R (EN51xr)	WØUC (EN44hr)
432 MHz	609	W9SNR/R (EN51xr)	NØHJZ/R (EN25xa)
1.2 GHz	310	K9YR (EN52xk)	KF8QL/R (EN64xt)
3.4 GHz	73	W9SNR/R (EN51xr)	<i>W9ZIH (EN51nv)</i>
10 GHz	82	K9JK/R (EN62ad)	<i>W9ZIH (EN51nv)</i>

The “Going The Distance” team returned to Region 9 as a Large Team. A score of 18,549 was the total from the logs submitted for the team: KØPG, K9JK/R, K9YR, KO9A, KO9A/R, W9SNR/R.

**Region 8**

Arkansas, Louisiana, Oklahoma and the ARRL Sections of North and South Texas make up Region 8. Six Single Operator logs with 42 total QSOs were received, representing all except Oklahoma.

With 16 QSOs logged on 5 bands (222 and 432 MHz plus 1.2, 3.4 and 10 GHz) at his North Texas location, Al, W5LUA claimed the region’s top Single Operator score of 10,728.

**Region 8 – Best DX by Band**

Band	km	Between	
222 MHz	414	W5LUA (EM13qc)	AG4V/R (EM35nd)
432 MHz	431	WASLFD (EM12qu)	AG4V/R (EM35nd)
1.2 GHz	414	W5LUA (EM13qc)	AG4V/R (EM35nd)
3.4 GHz	323	K5LLL (EM10kf)	W5LUA (EM13qc)
10 GHz	323	K5LLL (EM10kf)	W5LUA (EM13qc)

**Region 4**

After just a single log with a single contact in 2018, Region 4 (Colorado, Utah and Wyoming) bounced back with 24 QSOs in four log submissions all in the Single Operator category. W9RM, Keith led the region with 7 contacts, all on 222 MHz for a final score of 12,566.

**Region 4 – Best DX by Band (Italics = no log received for that call)**

Band	km	Between	
222 MHz	1467	W9RM (DM58xn)	WØVTT (EN33xx)
432 MHz	178	WØBA (DN71nb)	W6OAL (DM79ql)
902 MHz	178	WØBA (DN71nb)	W6OAL (DM79ql)
1.2 GHz	155	WØBA (DN71nb)	<i>KE5SO (DM79kq)</i>
2.3 GHz	50	W6OAL (DM79ql)	<i>KE5SO (DM79kq)</i>

**Region 14**

Three entries from the region (consisting of Delaware, Maryland-DC, North Carolina, Virginia and West Virginia) were all in the Single Operator category.

Dave, K1RZ, logged 162 QSOs across 8 bands (222 MHz through 10 GHz) for a final score of 102,857; to lead the region’s Single-Operators. Dave again claimed

the longest QSO paths for the region on all 8 bands, reaching outside of his own region for all of those paths.

**Region 14 – Best DX by Band** (*Italics = no log received for that call*)

Band	km	Between	
222 MHz	711	K1RZ (FM19jh)	<i>K9MRI (EN70iu)</i>
432 MHz	743	K1RZ (FM19jh)	<i>N1JEZ (FN44ar)</i>
902 MHz	623	K1RZ (FM19jh)	<i>AF1T (FN43cd)</i>
1.2 GHz	519	K1RZ (FM19jh)	<i>K8TQK (EM89je)</i>
2.3 GHz	407	K1RZ (FM19jh)	<i>K1TEO (FN31jh)</i>
3.4 GHz	418	K1RZ (FM19jh)	<i>KF2MR/R (FN13gb)</i>
5.7 GHz	407	K1RZ (FM19jh)	<i>K1TEO (FN31jh)</i>
10 GHz	157	K1RZ (FM19jh)	<i>NN3Q/R (FN00rg)</i>

**Region 6**

Two Rovers and a Single Operator entry from South Dakota brought activity back to Region 6 (which also includes North Dakota, Manitoba and Saskatchewan) after no activity reported from the region in 2018. Dave, WØZF, and Bill, AEØEE, piloted the WØZF/R roverbmobile through EN14, EN15, EN16, EN25, EN34 and EN35, completing 44 QSOs on 5 bands (222, 432 and 902 MHz, plus 1.2 and 10 GHz) for a final score of 18,740. Single Operator WBØULX, Lloyd, reported a single contact on 432 MHz for a final score of 135.

**Region 6 – Best DX by Band** (*Italics = no log received for that call*)

Band	km	Between	
222 MHz	461	WØZF/R (EN16ma)	<i>WØUC (EN44hr)</i>
432 MHz	461	WØZF/R (EN16ma)	<i>WØUC (EN44hr)</i>
902 MHz	24	KØBBC/R (EN14qx)	<i>WØZF/R (EN14qs)</i>
1.2 GHz	30	KØBBC/R (EN15pa)	<i>WØZF/R (EN14qs)</i>
10 GHz	353	WØZF/R (EN15lj)	<i>KØKFC (EN35rj)</i>

WØZF/R and KØBBC/R registered as a Small Team from the region, “Glacial Sideband”. Their scores totalled 19,106.

**Region 5**

One log each from Arizona, New Mexico and the West Texas Section were received from the region. The two logs from AZ and NM were Single Operator with a single Multioperator entry from the West Texas Section.

Six QSOs by Mike, WB2FKO, earned the region’s top Single Operator score of 4,716. Joe, KC5MVZ, teamed up with Jennifer, KE5BZO, again, repeating as the region’s lone Multioperator entry but only reported a single contact in their log, on 432 MHz for a score of 22.

**Region 5 – Best DX by Band** (*Italics = no log received for that call*)

Band	km	Between	
222 MHz	829	WB2FKO (DM65rc)	<i>K7ULS (DN41ch)</i>
432 MHz	74	NQ7R (DM42dt)	<i>WA7XX (DM42jh)</i>

**Region 12**

Kentucky remained silent, leaving partner state Tennessee as the sole source of logs for Region 12. Todd, N4QWZ, was the lone Single Operator entrant with 35 Qs on the bottom 4 bands (222 MHz through 1.2 GHz) for a final score of 15,096. After entering in the Multioperator category last year, Steve, AG4V, tacked the “/R” suffix to his call and entered as a Rover in 2019. Steve visited 5 grids (EM35, EM44, EM45, EM54 and EM55) with 3 bands (222 MHz, 432 MHz, and 1.2 GHz) to complete 23 contacts for a final score of 13,299.

**Region 12 – Best DX by Band** (*Italics = no log received for that call*)

Band	km	Between	
222 MHz	732	AG4V/R (EM35nd)	<i>KX4R (EM73lw)</i>
432 MHz	732	AG4V/R (EM35nd)	<i>KX4R (EM73lw)</i>
902 MHz	78	N4QWZ (EM66ok)	<i>K4VDL (EM76ag)</i>
1.2 GHz	519	AG4V/R (EM35nd)	<i>KE8FD (EM64jv)</i>

41 QSOs on the 4 bands 222 MHz through 1.2 GHz yielded a total score of 14,455 and was the winning combination for Todd, N4QWZ, among the region’s two Single Operator entries. Although his log didn’t credit any additional operators, Steve, AG4V, entered the Multioperator category with a final score of 9,387 from 19 QSOs, using the same 4 bands as Todd.

**Region 7**

Two Single Operator logs, one from Missouri and one from Nebraska (Kansas is also part of the region) were submitted from Region 7. Larry, KØTPP, prevailed as the top scorer with 12,070 from 18 contacts on the 222 and 432 MHz bands.

**Region 7 – Best DX by Band**

Band	km	Between	
222 MHz	1148	NØLWF (EN10wm)	<i>K5DOG (EM00wh)</i>
432 MHz	644	KØTPP (EM48rk)	<i>KG4WLX (EM86aa)</i>

**Region 18**

This year brought the first log submission from Region 18, which is defined as “DX (ANY OTHER AREAS INCLUDING ALASKA, HAWAII, US POSSESSIONS AND MARITIME MOBILE)”. Glen, AL7JX, submitted his Single Operator category log from Alaska with three contacts, all on 432 MHz and using FM for a final net score of 147.

**Region 18 – Best DX by Band** (*Italics = no log received for that call*)

Band	km	Between	
432 MHz	101	AL7JX (BO49dt)	<i>KL7UW (BP40iq)</i>



## Regions 2 and 17

After three years of this contest, logs have yet to be received from any participants in these two regions. Admittedly, activity on the bands 222 MHz and higher is low in these regions. From my prior experience as author of the results articles from the predecessor August UHF Contest from 2005 through 2015, activity and participation from the states and provinces that comprise these regions was rare. Might 2020 be the year that Regions 2 and 17 are activated?

## Teaming has not been Teeming

The concept of teams in this contest does not seem to be catching on as I think was envisioned by the VHF Contest Revitalization committee when they established this event. The level of participation has been comparable to that of the August UHF Contest which this contest replaced. Team registration is quite easy to do. “Alpha Hotel” and “Really Weak Signal Group” returned as small teams, while the “Going The Distance” team returned, staying in the large team category with “Lake Ontario Group” and “Packrats” also returning, both expanding from small teams last year to large teams in 2019. Large team “UHF Da!” was also a return, but from 2017 when they entered as a small team, having taken a hiatus last year. Teams appearing for the first time this year were: “Glacial Sideband” from Region 6 and “CVVHFers” from Region 10, both in the small team group.

### Team Scores

	Region	Team	Score
<b>Large</b>	9	Going The Distance	18,549
	10	UHF Da!	77,656
	11	Lake Ontario Group	242,799
	15	Packrats	354,047
<b>Small</b>	6	Glacial Sideband	19,106
	10	CVVHFers	18,552
	13	Alpha Hotel	247,739
	16	Really Weak Signal Group	377,142

While 85 of the 147 logs listed one of 22 different Club names, only 9 clubs met the minimum of three logs to be considered for the club competition and all were in the Medium Club category.

### Club Aggregate Scores

Club	Score	Entries
<b>Medium</b>		
Mt. Airy VHF Radio Club	545,312	17
Rochester VHF Group	246,443	10
North East Weak Signal Group	219,298	11
Florida Weak Signal Society	200,174	8
Northern Lights Radio Society	92,554	10
Badger Contesters	41,009	7
Pacific Northwest VHF Society	38,513	13

Michigan VHF-UHF Society	25,532	3
Society of Midwest Contesters	7,767	3

Local		
Chippewa Valley VHF Contesters	18,573	4

## Help Wanted

Numerous opportunities are available.

**Contest Participant** – Radiosport Contest with lots of growth potential seeks additional participants. Submission of log listing contacts made to document such participation is strongly encouraged. Candidate must have amateur radio license and equipment capable of operation on one or more amateur radio bands from 222 MHz through 241 GHz, with particular interest in candidates having equipment capable of operation on the 47, 122, 134 and 241 GHz bands. Candidates located in the U.S. states of Idaho and Montana or the Canadian provinces of Alberta, New Brunswick, Newfoundland and Labrador, Nova Scotia, and Prince Edward Island are specifically sought. This is a short-term assignment, from 1800 UTC on August 1, 2020 through 1800 UTC on August 2, 2020. Preparation time in advance of the assignment period is encouraged.

**Regional Contest Promoter** – Communicator/Champion to recruit and encourage more activity and participation in this event. Ideal candidate would be a leader of activity on the 222 MHz and higher bands in a given region or regions. Duties may include recruiting team participants.

**Contest Content Manager** – Writer/Author for Contest Results articles, both a preliminary version based on early log checking results and a final version for the web pages. This opportunity is available for this event and other radiosport events hosted by the organization.

Hopefully, some of the above positions will find candidates (and multiple candidates for the Participant and Promoter positions) before the 2020 dates.

And, as mentioned earlier, Log Checking Reports are now available in this event. Check yours out at <http://contests.arrl.org/logcheckreports.php>

**See you on the 222 MHz and Up bands, 1-2 Aug, 2020!**

## Top Three Scores in Each Region

		<i>Call</i>	<i>Score</i>	<i>QSOs</i>	<i>Bands</i>
<b>Region 1</b>	Single Operator	VE7FYC	8,326	25	CD9E
		K7YDL	5,942	37	CD9E
		KE7SW	5,759	34	CD9EFG
Rover	KE7MSU/R	5,437	31	CD9E	
	AC7SG/R	3,791	25	CD9E	
	AF7MD/R	1,645	19	CD9E	
Multioperator	K3RW	1,016	6	CD	
	K7CVU	818	9	DE	

		<i>Call</i>	<i>Score</i>	<i>QSOs</i>	<i>Bands</i>
<b>Region 3</b>	Single Operator	KC6ZWT	9,088	37	CD9EF
		K6MI	5,081	20	CD9E
		W6IT	3,610	18	CD9EI
Rover	N6ZE/R	2,775	25	CD9E	
	WB6HUM/R	1,228	11	CD	
	K6LMN/R	765	19	CD	

		<i>Call</i>	<i>Score</i>	<i>QSOs</i>	<i>Bands</i>
<b>Region 4</b>	Single Operator	W9RM	12,566	7	C
		K7ULS	2,582	3	C
		WØBA	2,331	6	CD9E

		<i>Call</i>	<i>Score</i>	<i>QSOs</i>	<i>Bands</i>
<b>Region 5</b>	Single Operator	WB2FKO	4,716	6	C
		NQ7R	420	4	CD
		KC5MVZ	22	1	D

		<i>Call</i>	<i>Score</i>	<i>QSOs</i>	<i>Bands</i>
<b>Region 6</b>	Single Operator	WBØULX	135	1	D
		WØZF/R	18,740	44	CD9EI
		KØBBC/R	366	7	CD9E

		<i>Call</i>	<i>Score</i>	<i>QSOs</i>	<i>Bands</i>
<b>Region 7</b>	Single Operator	KØTPP	12,070	18	CD
		NØLWF	6,482	4	C

		<i>Call</i>	<i>Score</i>	<i>QSOs</i>	<i>Bands</i>
<b>Region 8</b>	Single Operator	W5LUA	10,728	16	CDEGI
		K5LLL	7,962	9	CDEGI
		N5SYV	2,183	7	CD

		<i>Call</i>	<i>Score</i>	<i>QSOs</i>	<i>Bands</i>
<b>Region 9</b>	Single Operator	K9YR	3,301	19	CDE
		KØPG	1,526	11	CDE
		KO9A	1,439	18	CD
Rover	W9SNR/R	9,325	39	CDEGI	
	K9JK/R	2,785	47	CDEI	
	KO9A/R	173	22	DE	

		<i>Call</i>	<i>Score</i>	<i>QSOs</i>	<i>Bands</i>
<b>Region 10</b>	Single Operator	WØUC	28,618	67	CD9E
		W9GA	18,796	42	CD9E
		KØAWU	13,243	18	CD9EI
Rover	NØHJZ/R	6,539	31	D	
	NØHZO/R	4,818	20	CDEI	
	KCØP/R	4,818	20	CDEI	
Multioperator	WØVTT	32,442	42	CD	

		<i>Call</i>	<i>Score</i>	<i>QSOs</i>	<i>Bands</i>
<b>Region 11</b>	Single Operator	VE3ZV	51,619	80	CD9EFG
		VE3DS	49,479	99	CD9EFG
		N2WK	32,259	85	CD9EG
Rover	KF2MR/R	58,251	120	CD9EFGH	
	VE3CRU/R	9,943	37	CD9EG	
	KF8QL/R	9,222	23	CD9EFG	
Multioperator	N2SLN	30,965	64	CD9E	

		<i>Call</i>	<i>Score</i>	<i>QSOs</i>	<i>Bands</i>
<b>Region 12</b>	Single Operator	N4QWZ	15,096	35	CD9E
	Rover	AG4V/R	13,299	23	CDE

		<i>Call</i>	<i>Score</i>	<i>QSOs</i>	<i>Bands</i>
<b>Region 13</b>	Single Operator	KØVXM	89,408	139	CD9EFGHI
		KC4PX	39,239	82	CD9EF
		N4TWX	34,368	81	CD9E
Rover	K4SME/R	12,660	22	CD9EFGHI	
	N2CEI/R	11,238	22	CD9EFHI	
	NV4B/R	4,502	21	CD	

		<i>Call</i>	<i>Score</i>	<i>QSOs</i>	<i>Bands</i>
<b>Region 14</b>	Single Operator	K1RZ	102,579	162	CD9EFGHI
		W3IP	14,807	38	CD9EI
		W3EKT	9,596	30	CD9EFGHI

		<i>Call</i>	<i>Score</i>	<i>QSOs</i>	<i>Bands</i>
<b>Region 15</b>	Single Operator	N3RG	93,818	114	CD9FGHI
		W3SZ	60,434	103	CD9EFGHI
		K3TUF	56,849	121	CD9EFH
Rover	NN3Q/R	52,570	80	CD9EFGHI	
	W2RMA/R	51,246	60	CD9EFGI	
	WB2SIH/R	13,090	35	CDE	

		<i>Call</i>	<i>Score</i>	<i>QSOs</i>	<i>Bands</i>
<b>Region 16</b>	Single Operator	K1TEO	214,625	247	CD9EFGHI
		K1GX	72,489	109	CD9EFGHI
		AF1T	69,429	112	CD9EFGHI
Rover	W1RGA/R	13,593	49	CD9EFHI	
	KG6CIH/R	8,537	46	CD9EFI	
	W1AIM/R	255	6	CDI	

		<i>Call</i>	<i>Score</i>	<i>QSOs</i>	<i>Bands</i>
<b>Region 18</b>	Single Operator	AL7JX	147	3	D