

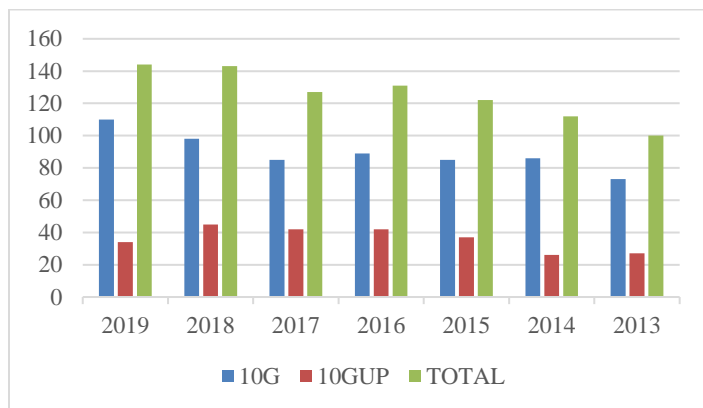


# ARRL 10 GHz and Up Contest 2019 Results

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## Participation was Up Again this Year

Overall activity for the 2019 contest was up again this year. This makes a three-year trend of an increasing number of logs submitted, and increasing activity for five of the last six years, even though we're only up one log for 2019. Every area (except W4) had at least eight logs submitted. There were a lot of stations to work in every call area!



This is a very positive switch from the declines between 2010 and 2013 and years when some areas had only two entries.

The increasing availability of low cost twenty-first century microwave parts combined with the growing need for folks with an RF/microwave background, especially in the telecommunications, automotive and defense industries bodes well for the microwave segment of amateur radio, not to mention well paying jobs.

The German/English language amateur radio journal DUBUS, published an article by VK3CV and WQ1S on a 122-GHz transverter design. A FundRazr project was started, which as of January 7, 2020, had raised \$66,969 for 247 people to receive transverter parts, assemblies and antennas.

With all this new equipment on bands above 10 GHz, activity there is the opportunity for many more 10 GHz and Up QSO's offering higher frequency adventures for us all.

There was a lot of activity in the microwave bands above 10 GHz. Indications are this is likely to continue to grow.



VA3ELE and VA3TO (at FN03VW) were all smiles after working the Block Island (RI) crew in FN41EE, at 630 km via rain scatter. [Hugh Duff, VA3TO, photo]

## Top Ten Lists

The top of the 10 GHz Only winners list is heavily represented by the Central and Midwest Divisions, with the top 4 all hailing from those regions. Jonathan, WØZQ takes the top honors this year, having placed in the top ten of the 10 GHz and Up category last year.. The husband and wife team of Janice, KA9VVQ and Bruce, W9FZ, take second and third place, along with another husband and wife team of Dale, AF1T and Mickie, W1MKY make an appearance in the top ten as well.

California makes quite an impressive showing in the 10 GHz and Up listings, as six of the top ten stations all hail from 6- land. 2 Canadian stations, Peter, VA3ELE and Hugh, VA2TO taking 8<sup>th</sup> and 9<sup>th</sup> place respectively.

### Top Ten Scores - 10 GHz only

Call	Score
WØZQ	69,876
KA9VVQ	69,288
W9FZ	69,047
WBØLJC	64,320
AF1T	58,704
W1MKY	57,395
N5BF	54,430
K1RZ	49,115
NØQJM	46,748
W7XU	46,748

### Top Ten Scores - 10 GHz & Up

Call	Score
W6QIW	73,354
K6MG	64,408
K6ML	62,457
N9JIM	61,532
N6NU	46,293
K2DH	44,220
N6TEB	40,720
VA3ELE	40,121
VA3TO	36,607
K9PW	36,412

### Top Ten QSO Leaders – 10 GHz Only

Call	QSOs
KA9VVQ	261
W9FZ	260
WBØLJC	258
WØZQ	257
N5BF	204
NØUK	187
KØHAC	183
AF1T	177
NØQJM	176
W7XU	176

### Top Ten QSO Leaders - 10 GHz & Up

Call	QSOs
W6QIW	292
N9JIM	286
K6ML	280
K6MG	263
VA3ELE	213
N6NU	204
K9PW	200
VA3TO	198
N6TEB	170
K2DH	157

## Best DX By Band

### Best Terrestrial DX by Band

Call	Band	Distance(km)
AF1T/K1RZ/VE3SMA/W1MKY	10 GHz	719
K6MG/K6ML/W6QIW	24 GHz	343
KA1NKD/N1JEZ/W1FKF/W1GHZ	47 GHz	122
AA5AM/W5LUA	75 GHz	23

### Best DX- 10 GHz

Call	Distance (km)
VE3SMA	719
W1MKY	719
AF1T	719
K1RZ	719
VE3KH	710
W3SZ	709
WW8M	709
K1OR	697
N4HB	697
KB8VAO	678
W2RMA	678

### Best DX- 24 GHz

Call	Distance (km)
K6MG	343
K6ML	343
W6QIW	343
N6NU	272
K2DH	254
K1OR	254
K2UA	254
N9JIM	232
W1GHZ	204
N6TEB	193

### Best DX- 47 GHz

Call	Distance (km)
KA1NKD	122
N1JEZ	122
W1FKF	122
W1GHZ	122
K9PW	106
VA3ELE	106
KB8VAO	85
WB8TGY	77
AA9IL	41
W5LUA	23
AA5AM	23

### Best DX- 75 GHz

Call	Distance (km)
AA5AM	23
W5LUA	23
KB8VAO	14
WB8TGY	14
WA8VPD	8

## Activity Around the Call Areas

As was the case in 2018, California, call area 6, led the number of logs submitted, with call areas 1 and Ø close behind. In addition, 13 entries were received from Canada in 2019. There were no DX stations that submitted logs this year.

### Logs Received by Call Area

Call Area	Entries
Ø	21
1	23
2	8
3	8
4	4
5	13
6	29
7	8
8	9
9	8
VE	13

## Call Area Ø

### 10 GHz Only

WØZQ	69,876
KA9VVQ	69,288
W9FZ	69,047
WBØLJC	64,320
WA2VOI	49,173

The majority of the entries again this year were 10GHz Only, and that is represented in the results for call area Ø. Jon, WØZQ, narrowly took the lead from Janice, KA9VVQ, and Bruce, W9FZ, with all of the top three scores being within a thousand points of each other.

Bill, KØAWU, remarked in the soapbox that he experienced “Good rain scatter opportunities both weekends which really made the contest activity worthwhile.” He also commented that while he’s been operating on the band since 2003, that “10GHz contacts never get old, still seems like magic!”

## Call Area 1

### 10 GHz Only

AF1T	58,704
W1MKY	57,395
N1JEZ	26,624
W1AIM	24,361
KB1VC	19,137

### 10 GHz and Up

W1GHZ	36,065
W1FKF	24,908
KA1NKD	24,908
K1OR	24,535
W1JHR	13,339



The Block Island (FN41ee) crew of Dave, K1RZ (left), Ken, K1KT (seated), Steve, K3WHC, and Dale, AF1T (right) on the first weekend of the contest. [Pete Brunelli, N1QDQ, photo]

Call area 1 was also well represented in this event, with the second highest number of entries coming from the area. In the 10 GHz Only category, Dale, AF1T and Mickie Clement, W1MKY take first and second places respectively. They operated the first weekend from grid square FN41ee on Block Island, Rhode Island joined by Dave, K1RZ and Steve, K3WHC. They had a very successful first day of the weekend and were able to get their best DX on Sunday via rain scatter when they worked Steve, VE3SMA in grid FN03bi (a 722 km path!)

Matt, KB1VC, reported that his first weekend operating at Blue Knob Ski Resort in FN00rg was a washout, making only three contacts when his laptop battery died in what he calls “the hazards of SDR.” He was able to complete contacts with Mike, N2MG and Rus, K2UA via

rain scatter before the battery died. However, on the second weekend, he operated from Block Island with much greater success.

Paul, W1GHZ, also noted good rain scatter conditions during the first weekend operating at Mt. Mansfield, VT (FN34pm), stating that his best signal report was “2 dB above imagination.”

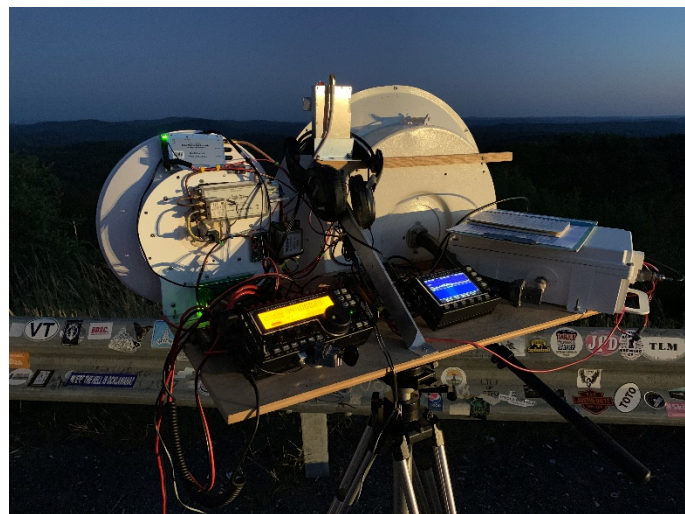
## Call Area 2

### 10 GHz Only

KA2LIM	21,354
N2MG	15,778
N3RG	14,412
W2FU	10,116
WA2TMC	4,258

### 10 GHz and Up

K2DH	44,220
K2UA	33,528



Rus, K2UA, set up on Hogback Mountain in Vermont for the second weekend of the event. The gear, pointed towards Martha’s Vineyard and Block Island, includes equipment for 10, 24 and 47 GHz. [Rus Healy, K2UA, photo]

Ken, KA2LIM and Dave, K2DH retain the top spots in the 10GHz and 10 GHz and Up categories respectively this year. 10 GHz newcomer Mike, N2MG, makes an impressive showing in second place in the 10 GHz Only category.

Ray, N3RG commented via the soapbox that the first half of the contest was “the best half!” He was able to work Kevin, VE3KH- his first Canadian station on 10 GHz, via rain scatter and added several new grids to his VUCC.

Rus, K2UA, wrote “an absolutely fantastic contest!” He operated the first weekend joined by 10 GHz rookie Mike, N2MG. Rus and Dave, K2DH, did their New England loop on the second weekend for the third year in a row. They experienced some enhancement from Mt. Greylock, MA to the tip of Cape Cod, MA, making a 255 km contact with John, K1OR on 24 GHz- his personal best for the band. Just a couple of hours later, he also worked Kevin, VE3KH on a 544 km path for his personal best to the 10 GHz band.

## Call Area 3

### 10 GHz Only

K1RZ	49,115
W2RMA	28,362
W3SZ	16,774
WA3PTV	8,922
K2EZ	5,399



Bill, W2RMA, located at Blue Knob Ski Resort in FN00rg, worked Kevin, VE3KH, utilizing reflections from the ski lift support pole pictured in the center of the photo. [Dave Petke, K1RZ, photo]

Dave, K1RZ and Bill, W2RMA held onto first and second place positions in 10 GHz Only for call area 3. Roger, W3SZ takes third place, while Joe, WA3PTV drops to fourth place this year. A newcomer to the event, Andrea, K2EZ, who operated from Eastern Pennsylvania, rounds out the top 5.

Dave writes in the soapbox that he, Bill, John, N9ZL and Steve, KB8VAO all operated from Blue Knob in Pennsylvania on the second weekend of the event. He and Bill discovered that they could work “ski lift pole scatter” by bouncing their signal off a nearby support



structure for the ski resort (see photo above.) They were able to work Kevin, VE3KH, in grid square FN03cg- a 349 km path. Dave adds “such reflections are another part of what makes this band so fun.”

## Call Area 4

### 10 GHz Only

N9ZL	9,472
N4HB	4,286
K0VXM	2,778
W3IP	2,387



John, N9ZL, uses a truck bed mounted 1.2-meter dish for his 20-watt 10 GHz operation. John operated the second weekend of the contest from grid square FN00rg. [John Brooks, N9ZL, photo]

John, N9ZL, once again took top honors in the 4<sup>th</sup> call area. Chuck, K0VXM in Florida drops from second to third place this year. Henry, N4HB, a newcomer to the 10 GHz and Up event, jumps into second place this year. John reports in the soapbox that he worked his best DX on 10 GHz so far with at 664 km QSO with Dale, AF1T and Mickie, W1MKY in Martha’s Vineyard, MA from Blue Knob.

## Call Area 5

### 10 GHz Only

WQ5S	5,034
W5VY	2,600
WA5TKU	2,302
K5LLL	1,872
K15WL	1,558

### 10 GHz and Up

W5LUA	12,426
AA5C	6,531
AA5AM	4,018

In call area 5, only Floyd, WQ5S and Ronald, K5LLL return to the top five of the 10 GHz Only results. Floyd rises to first place, and Ronald holds steady at fourth place. The 10 GHz and Up category, all top three winners remain in the same positions as they held last year.

Floyd commented in the soapbox, “Another fun 10 GHZ Contest with all the challenges of finding good locations in the North Texas and Oklahoma area. Conditions were not as good as last year but increased participation helped. The rain showers here on the last Sunday made for several really interesting QSOs with amazing signals!”

## Call Area 6

### 10 GHz Only

N5BF	54,430
N6VI	40,712
N6KLD	31,002
AD7OI	24,491
W6DL	21,699

### 10 GHz and Up

W6QIW	73,354
K6GZA	67,615
K6MG	64,408
K6ML	62,457
N9JIM	61,532

The 6<sup>th</sup> call area had the greatest number of entrants from any of the areas. That being said, there was quite a bit of activity, and it shows in the resulting scores.

In the 10 GHz Only category, Courtney, N5BF took first place this year, scoring almost 15,000 points more than his closest competitor, Marty, N6VI, who holds steady in second place.

In the 10 GHz and Up category, Steven, W6QIW, rises to first place in the call area, up from third place last year. He topped his score from last year by almost 15, 000 points.



Helen, KI6LQV, makes a 24 GHz contact from Signal Hill, CA (DM03vt) with a station in Frazier Mountain, CA. [Doug Millar, K6JEY, photo]

## Call Area 7

### 10 GHz Only

N6RMJ	38,920
KI7GVT	23,300
N7GP	786
W7GLF	472
K7CVU	382

Two Arizona stations lead the pack for call area 7. Patrick, N6RMJ, took first place this year, with over a 10,000-point lead from second place Tammy, KI7GVT. Last year's leader for the call area, Ed, W7GLF, dropped to 4<sup>th</sup> place this year.

## Call Area 8

### 10 GHz Only

KB8U	23,766
WW8M	7,290
NN9X	6,782
KD9GGZ	603

### 10 GHz and Up

K9JK	27,935
WB8TGY	13,437
KB8VAO	12,787
K2YAZ	12,748
WA8VPD	11,131

Russell, KB8U again takes the lead in the 10 GHz Only category, taking a commanding lead over Don, WW8M.

In the 10 GHz and Up category, John, K9JK, operated in the 8<sup>th</sup> call area this year to take first place after taking the lead in the 10 GHz Only category in the 9<sup>th</sup> call area last year. Mark, WB8TGY stays in second place for the second year in a row.

Mark commented in the soapbox, that “the conditions this year were not great, but it was great to make QSOs on four bands.” His efforts were curtailed by heavy rains on Sunday of the second weekend but was able to work the stations across Lake Michigan via rain scatter on 10 GHz from his position at a picnic shelter near the lake in Manistee.

## Call Area 9

### 10 GHz Only

KA9VDU	13,470
NØAKC	8,140
N9LB	5,689
KOØZ	1,524

### 10 GHz and Up

K9PW	36,412
W9SZ	17,293
KØKFC	17,075
AA9IL	12,423



Lloyd, N9LB's 24-inch 10 GHz dish, tower mounted at 65 feet. The appendage on the right is the elevation motor. [Lloyd Berg, N9LB, photo]

In the 9<sup>th</sup> call area, Greg, KA9VDU takes first place in 10 GHz Only, up from second place last year (could that be due to K9JK's “defection” to the 8<sup>th</sup> call area?) Lloyd, N9LB moves up from fourth place to third this year.

In 10 GHz and Up, Pete, K9PW is at the top of the charts, with a score more than double that of Zack, W9SZ, who remains in second place this year.

Lloyd shared in the soapbox that he's still relatively new to 10 GHz work and had still much to learn. He observed that it was "a rainy weekend, but that is good because it produced some excellent rain scatter contacts." Lloyd is hoping to complete building a 10-watt amplifier for 10 GHz before the next event.

## Canada (Area 15)

### 10 GHz Only

VE3KH	21,396
VE3EG	14,407
VE3FN	12,694
VE3JGL	8,586
VA3CDD	7,853

### 10 GHz and Up

VA3ELE	40,121
VA3TO	36,607
VE3SMA	29,023
VE2UG	15,240



Pierre, VE2GT, left, along with Jimmy, VE2JWH at their contest location in grid square FN35qi. [Pierre Jolin, VE2GT, photo]

There were plenty of Canadian stations active in the event this year. In the 10 GHz Only entries, Kevin, VE3KH took a commanding lead over second place Keith, VE3EG. Pierre, VE2GT, while not placing in the top 5, stated in the soapbox, "It's my best contest ever!" and he and Jimmy, VE2JWH worked N1JEZ and W1AIM on Mt. Washington, NH bouncing their signal off a tower to make the contact.

The 10 GHz and Up results for Canada places Peter, VA3LE in the top spot, with his travelling companion, Hugh, VA3TO in second place. Hugh commented in the

soapbox that it was his "best showing ever," and that he more than doubled his previous best score.

### Top 10 Unique Call Leaders

10 GHz		10 GHz and Up	
Call	Unique Calls	Call	Unique Calls
AF1T	59	K2DH	56
W1MKY	58	W1GHZ	54
K1RZ	54	K2UA	46
KA2LIM	48	N6TEB	45
N1JEZ	47	VA3ELE	44
N6VI	46	W6QIW	44
W2RMA	43	K9PW	43
N5BF	42	VA3TO	43

As with last year, we have also included a Regional Leaders table on the next page in addition to the Call Area tables above. Line Scores, as well as searchable results and downloadable certificates are also available at <http://contests.arrl.org>. If you haven't visited the new ARRL Contest Portal, there have been some recent improvements to the site to better present the results of ARRL contests.

Regional Leaders														
West Coast Region			Midwest Region			Central Region			Southeast Region			Northeast Region		
Pacific, Northwestern and Southwestern ARRL Divisions; Alberta, British Columbia and NT RAC Sections			Dakota, Midwest, Rocky Mountain and West Gulf ARRL Divisions; Manitoba and Saskatchewan RAC Sections			Central and Great Lakes ARRL Divisions; Ontario East, Ontario North, Ontario South, and Greater Toronto Area RAC Sections			Delta, Roanoke and Southeastern ARRL Divisions			New England, Hudson and Atlantic ARRL Divisions; Maritime and Quebec RAC Sections		
Call	Score	Category	Call	Score	Category	Call	Score	Category	Call	Score	Category	Call	Score	Category
N5BF	54,430	10G	WØZQ	69,876	10G	KB8U	23,766	10G	N9ZL	9,472	10G	AF1T	58,704	10G
N6VI	40,712	10G	KA9VVQ	69,288	10G	VE3KH	21,396	10G	N4HB	4,286	10G	W1MKY	57,395	10G
N6RMJ	38,920	10G	W9FZ	69,047	10G	VE3EG	14,407	10G	KØVXM	2,778	10G	K1RZ	49,115	10G
N6KLD	31,002	10G	WBØLJC	64,320	10G	VE3JGL	8,586	10G	W5VY	2,600	10G	W2RMA	28,362	10G
AD7OI	24,491	10G	W7XU	46,748	10G	VA3CDD	7,853	10G	W3IP	2,387	10G	N1JEZ	26,624	10G
			NØQJM	46,748	10G									
W6QIW	73,354	10GUP	W5LUA	12,426	10GUP	VA3ELE	40,121	10GUP	...	...	...	K2DH	44,220	10GUP
K6MG	64,408	10GUP	AA5AM	4,018	10GUP	VA3TO	36,607	10GUP	...	...	...	W1GHZ	36,065	10GUP
K6ML	62,457	10GUP	...	...	...	K9PW	36,412	10GUP	...	...	...	K2UA	33,528	10GUP
N9JIM	61,532	10GUP	...	...	...	VE3SMA	29,023	10GUP	...	...	...	W1FKF	24,908	10GUP
N6NU	46,293	10GUP	...	...	...	K9JK	27,935	10GUP	...	...	...	KA1NKD	24,908	10GUP