

# 2000 ARRL June VHF QSO Party Results



Sunset at the W6TOI site at the 6532-foot level on Mt Gleason in DM04 makes all of this madness worthwhile.

Remember back to the days of your youth. As summer approached, just like Tom Sawyer, Becky Thatcher and Huck Finn, you started getting that special twitch, longing to be outside. Instead of being stuck in the classroom for a few more days of book learning, you were drawn to the out of doors. Swimming in the creek to beat the heat, skipping rocks across the still, flat surface of the pond, and exploring new wonders sure were a more desirable destination for the day than those last few days studying the three "Rs."

So when the second weekend of June is approaching, VHF/UHF/microwave contesters can relate to the need to head into the fresh air and participate in the ARRL June VHF QSO Party. After a two-year decline in total participation, we saw a small increase in the number of entries for this year's contest. Being the first year with separate Single Operator Low- and High-Power categories may have increased participation. One other factor for the declin-

ing numbers may be the increase in Multioperator and Limited Multioperator entries. The number of logs received has been down until 2000, but based on the number of participants listed in those categories, the number of participants has remained about the same.

VHF contesting offers sometimes different, sometimes similar challenges from its HF counterpart. Good 6-meter activity may affect the outcome, but strong efforts on the UHF/Microwave bands (where QSO points are higher) can offset a good 6-meter opening. How you balance your efforts on each band will be a significant factor in how you finish. Location makes a difference in VHF contesting, just as it does during HF events. Proximity to good population centers will mean the difference in where you finish in VHF/UHF contests, whether you are competing for overall, divisional or sectional honors.

With the separation of the Single Operator category into High- and Low-Power categories, all previous Single Operator records

were transferred to the High Power category. That means that in the 2000 ARRL June VHF QSO Party each Single Operator Low Power Division winner set the initial standard upon which all subsequent competitors will take aim. The initial overall Single Operator Low Power record was set by K9PW, with a score of 351,918, which is also the Central Division record. Congratulations also go to the

## Region Leaders

Northeast Region (New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections)			Southeast Region (Delta, Roanoke and Southeastern Divisions)			Central Region (Central and Great Lakes Divisions; Ontario Section)			Midwest Region (Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)			West Coast Region (Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT/Yukon Sections)		
WA2FGK	105,133	A	N4IS	109,026	A	K9PW	351,918	A	N5OLS	182,784	A	WB6AAG	91,290	A
WB2VVV	73,700	A	N4JK	78,948	A	W0UC	160,284	A	KC5FP	151,107	A	KE6FCT	62,720	A
W1PM	54,383	A	KD5HPT	78,760	A	K8MR	85,808	A	W5SXD	144,281	A	N7IR	43,875	A
N1DPM	51,030	A	K0VXM	76,145	A	N9GH	53,448	A	WD5K	139,568	A	KF6GYM	42,483	A
W1BQ	49,276	A	KU4WD	59,130	A	K9VHF	52,128	A	N5NJ	124,836	A	K6MI	32,277	A
K1TEO	370,728	B	WB2WIH	252,945	B	N2BJ	253,761	B	K5IUA	373,626	B	N6EQ	135,605	B
K1RZ	231,623	B	WD4MGB	153,800	B	KE8FD	208,504	B	N5WS	348,750	B	AA7A	131,068	B
K2SMN	92,056	B	K9HUY	144,336	B	WB9Z	173,514	B	N5HHS	334,080	B	N6PI	120,156	B
AF1T	84,455	B	K4QI	123,646	B	K8TQK	161,760	B	K5AM	297,579	B	WB6NTL	114,009	B
K1GX	75,790	B	NW5E	120,903	B	K2DRH	123,224	B	W5UWB	272,916	B	NU6S	104,832	B
N3FTI	29,304	Q	W4R XR	14,678	Q	K9AKS	39,932	Q	K7VNU	13,752	Q	K6LMN	16,549	Q
K1ZE	20,519	Q	N3AWS	525	Q	N9LAG	20,750	Q	N0JK	3,675	Q	VE7DXG	16,014	Q
NA2T	18,509	Q	K8JWT	230	Q	N8XA	10,990	Q	K0BJ	775	Q	W7JR1NKN	2,784	Q
WB2AMU	2,822	Q			W9GKA	7,198	Q	WA5VKS	396	Q	AC6XK	2,500	Q	
K2QO	171	Q			N9MYK	3,978	Q			KQ6EE	1,800	Q		
W2SZ/1	1,651,461	M	K8GP	1,876,364	M	WW8M	293,045	M	W1XE/0	265,356	M	W6TOI	194,598	M
W3CCX	754,364	M	KF4DGS	101,436	M	N8KOL	116,600	M	N0UK	239,148	M	N7LQ	185,758	M
K3MQH	733,005	M	K4RF	88,894	M				K5LLL	195,489	M	W6MMM	178,794	M
N2PA	520,149	M						KK5IH	181,440	M	W6YM	124,410	M	
K1WHS	400,752	M								W6FM	122,661	M		
K3YTL	437,000	L	W4IY	365,560	L	W9ICE	229,356	L	W5KFT	490,194	L	W2ODH/6	605,143	L
KB2DMK	249,917	L	AA4ZZ	268,548	L	N19E (at N9FH)	113,280	L	W7XU	403,560	L	W3SE	263,057	L
N2NK	157,677	L	W4NH	212,852	L	N8BJQ	69,551	L	W0KVA	66,960	L	KF7NP	175,187	L
WB1GQR	142,040	L	AC5TM	104,346	L	N9REP	31,400	L	N7VM	42,510	L	K7KX	126,000	L
N3II	136,183	L	KA4DON	65,940	L	KU8E	19,190	L	WB6DTA	34,220	L	K7XC	99,510	L
W2FU	212,704	R	N4OFA	38,868	R	K8WW	79,788	R	AB5SS	217,729	R	N6TEB	143,956	R
N1MJD	168,338	R	W4VHF	34,884	R	WB9SNR	76,300	R	WB5VYE	135,994	R	N6DN	86,884	R
N1QVE	21,708	R	W3IY	19,764	R	VE3NPB/R	47,128	R	AL1VE	103,136	R	K6FZZ	51,595	R
WA2IID (+KB2SSS)			K9OYD	10,693	R	K0PG	42,051	R	KF0UK	81,783	R	KB6FYG	36,418	R
	21,580	R	KS4S	8,496	R	KF9US	40,656	R	N0YVY	28,220	R	WB7DHC	27,150	R
N1MU	15,785	R												

other Low Power divisional winners: WA2FGK (Atlantic), KB0ZEV (Dakota), KD5HPT (Delta), K8MR (Great Lakes), WB2VVV (Hudson), NE0P (Midwest), W1PM (New England), N7DB (Northwestern), KF6GYM (Pacific), AF4HX (Roanoke),

W6OAL (Rocky Mountain), N4IS (Southeastern), KE6FCT (Southwestern), and N5OLS (West Gulf) who also finishes as runner-up in the overall category. The Canadian Single Operator Low Power record is set by VE9AA, while the first DX record was es-

tablished by CO2OJ.

The Single Operator High Power category, while not seeing an overall record set, did provide us with the tightest finish among the categories. K5IUA was edged by K1TEO by a single QSO, but won the

### Top Ten

Single Operator Low Power	
K9PW	351,918
N5OLS	182,784
W0UC	160,284
KC5FP	151,107
W5SXD	144,281
WD5K	139,568
N5NJ	124,836
W6OAL	113,645
N4IS	109,026
WA2FGK	105,133

Single Operator High Power	
K5IUA	373,626
K1TEO	370,728
N5WS	348,750
N5HHS	334,080
K5AM	297,579
W5UWB	272,916
N2BJ	253,761
WB2WIH	252,945
W8CM	237,412
K1RZ	231,623

**Plaque Sponsor**  
W2SZ/1 Mt. Greylock Expeditionary Force  
K9NS, Mt. Frank Contesters  
Ed Parsons, K1TR  
W1TKZ Wellesley ARS – Mt. Equinox Contesters  
N0KQY, W0LD, N0JK, WB0DRL, N0LL  
K3MQH, South Mountain Contest Team  
In Memory of John Chambers, W6NLZ  
AB4CR Rover Team  
Southeastern VHF Society

QRP Portable	
K9AKS	39,932
N3FTI	29,304
N9LAG	20,750
K1ZE	20,519
NA2T	18,509
K6LMN	16,549
VE7DXG	16,014
W4RXX	14,678
K7VNU	13,752
N8XA	10,990

**Plaque Sponsor**  
West Coast VHFers  
Robin Gist, K4VU

Multioperator	
K8GP	1,876,364
W2SZ/1	1,651,461
W3CCX	754,364
K3MQH	733,005
N2PA	520,149
K1WHS	400,752
WW8M	293,045
W1XE/0	265,356
N0UK	239,148
K2TVI	227,953

**Plaque Sponsor**  
Randy Stegemeyer, W7HR  
N2LIX & Ten—X Group  
Mt Airy VHF Radio Club  
Rochester VHF Group  
George Noyes, W1XE  
K2AE, Schenectady ARA  
In memory of Sid Krauss, WA2VKN

**DX Single Operator Low Power**  
CO2OJ 36,852

**Plaque Sponsor**  
K8GP & C3I

**DX Single Operator High Power**  
XE2HWB 4,876

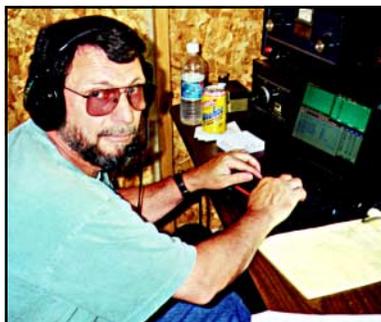
K8GP & C3I

Limited Multioperator	
W2ODH/6	605,143
W5KFT	490,194
K3YTL	437,000
W7XU	403,560
W4IY	365,560
AA4ZZ	268,548
W3SE	263,057
KB2DMK	249,917
W9ICE	229,356
W4NH	212,852

**Plaque Sponsor**  
W3EP, K9AKS, W9IP  
K1TEO, W2GKR, W2GKO, KA1FVG

Rover	
AB5SS	217,729
W2FU	212,704
N1MJD	168,338
N6TEB	143,956
WB5VVE	135,994
AL1VE	103,136
N6DN	86,884
KF0UK	81,783
K8WW	79,788
WB9SNR	76,300

**Plaque Sponsor**  
In Memory of Dick Goodman, WB1HIH, by W2SZ/1  
Wayne King, N2WK  
Northern Lights Radio Society and W0UC  
Southeastern VHF Society



**Ken, K4DXA, operates on 50 MHz at the AA4ZZ limited multi-operator station in North Carolina.**



**W4RXX's QRP Portable site (right) in EM85 in the Great Smoky Mountains.**

### QSO Leaders by Band

#### Single Operator Low Power

50 MHz		144 MHz		222 MHz		432 MHz		902 MHz		1296 MHz	
N5OLS	760	K9PW	188	K9PW	63	KE6GFF	186	WA2FGK	23	K9PW	33
KC5FP	717	WA2FGK	133	KE6AXJ	50	K9PW	101	K9PW	22	K6MI	23
WD5K	671	K8MR	132	K6MI	47	WA2FGK	62	N1DPM	17	W0UC	21
N4IS	660	WB2CUT	129	WA2FGK	44	K5MA	57	WB2VVV	17	N1DPM	21
W5SXD	604	KN6VR	119	K5MA	44	W0UC	57	WA8RJF	11	WA2FGK	21
								K6MI	11		

#### Single Operator High Power

50 MHz		144 MHz		222 MHz		432 MHz		902 MHz		1296 MHz	
N5HHS	1077	W3EME	412	K1TEO	74	K1TEO	113	K1TEO	37	K1TEO	45
K5AM	1020	K1TEO	302	K1RZ	67	K1RZ	103	K1RZ	35	K1RZ	41
WB2WIH	991	W8ULC	234	KE8FD	64	N2BJ	98	N2BJ	21	K2TXB	32
W5UWB	975	K1RZ	224	N2BJ	62	K2TXB	86	KE8FD	20	KE8FD	31
N5WS	877	NC1I	221	K8TQK	52	KE8FD	84	AF1T	20	N6AJ	30
										K6TSK	30

#### Multioperator

50 MHz		144 MHz		222 MHz		432 MHz		902 MHz		1296 MHz	
W5KFT -L	1104	K8GP	655	K8GP	202	K8GP	308	W2SZ/1	98	W2SZ/1	121
K8GP	809	K3MQH	643	W2ODH/6 -L	178	W2SZ/1	289	K8GP	85	K8GP	100
W2SZ/1	781	W2SZ/1	549	W2SZ/1	175	K3MQH	275	N2PA	44	N2PA	47
W3CCX	749	K3YTL -L	508	K3MQH	147	K3YTL -L	229	K3MQH	42	W3CCX	45
W2ODH/6 -L	735	W3CCX	451	K3YTL -L	133	W2ODH/6 -L	207	W3CCX	37	WW8M	45
W7XU -L	677	W4IY -L	414	W3CCX	131	W3CCX	197	K1WHS	29	K3MQH	43
W1XE/0	659	W2ODH/6 -L	392	N2PA	121	N2PA	156	WW8M	28	W6MMM	42
K1WHS	586	N2PA	311	KB2DMK -L	96	KB2DMK -L	140	K2TVI	16	W6TOI	39
W4NH -L	558	W1QK -L	309	W4IY -L	94	W4IY -L	133	W6TOI	15	K1WHS	36
W3SE -L	546	N2NK -L	297	W6TOI	89	W6TOI	130	N0UK	11	W1XE/0	23

-L denotes Limited Multioperator

## Multiplier Leaders by Band

### Single Operator Low Power

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz
N5OLS 231	K8MR 41	K8MR 26	K9PW 32	K9PW 14	K9PW 19
WD5K 208	W7DMN 40	K9PW 23	K8MR 28	WA2FGK 13	N9GH 13
KC5FP 205	K9PW 40	WA2FGK 22	WA2FGK 25	WB2VVV 10	WA2FGK 12
W5SXD 200	WA2FGK 36	N9GH 20	WA3EOQ 23	N1DPM 9	WA8RJF 11
N5NJ 187	KG4BMH 35	WA8RJF 19	N9GH 22	WA8RJF 8	W0UC 10
			W0UC 22		WA3EOQ 10
					WB2VVV 10

### Single Operator High Power

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz
N5HHS 262	W8ULC 68	KE8FD 41	KE8FD 44	K1TEO 19	K1TEO 20
K5AM 260	KE8FD 63	K1TEO 33	K8TQK 39	K1RZ 14	KE8FD 20
N5WS 245	W3EME 60	K8TQK 32	K1TEO 38	KE8FD 14	K1RZ 19
W5UWB 239	K8TQK 55	WB9Z 27	WB9Z 36	K8TQK 12	W9GA 13
K5IUA 219	K1TEO 52	K1RZ 26	KM0T 31	K5IUA 10	K4QI 13
			K2SMN 31	K2YAZ 10	
				K2UOP 10	

### Multioperator

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz
W5KFT -L 260	K8GP 86	K8GP 62	K8GP 63	K8GP 37	K8GP 40
W7XU -L 242	W7XU -L 66	K3MQH 53	K3MQH 53	N2PA 26	W2SZ/1 28
W2ODH/6 -L 208	K3MQH 65	N2PA 49	K3YTL -L 50	W2SZ/1 24	N2PA 24
K5LLL 198	W4IY -L 64	K3YTL -L 47	N2PA 48	K3MQH 19	WW8M 23
W1XE/0 197	N0UK 64	KB2DMK -L 44	KB2DMK -L 44	WW8M 18	K3MQH 18
KK5IH 195	AA4ZZ -L 62	W3CCX 40	W3CCX 43	W3CCX 15	W3CCX 17
N7LQ 193	W3CCX 61	W2SZ/1 39	W4IY -L 43	K1WHS 11	W6MMM 15
AC5TM -L 190	W2SZ/1 60	W4IY -L 38	W2SZ/1 40	W6TOI 9	K1WHS 13
KF7NP -L 188	K3YTL -L 59	W9ICE -L 37	W7XU -L 38	K2TVI 8	K7KX -L 12
W4NH -L 184	W9ICE -L 59	W2ODH/6 -L 35	W9ICE -L 37	N0UK 8	W1XE/0 10

-L denotes Limited Multioperator

multiplier battle and thus won the war 373,626 to 370,728. N5WS, N5HHS and K5AM also posted Strong scores in the Texas-New Mexico area.

The QRP Portable overall category was won by K9AKS with a score of 39,932. Finishing second in the category was N3FTI with 29,304 while N9LAG edged out K1ZE by 231 points for third place. Starting in 2001, this category has been renamed as Single Operator Portable. The requirements will remain the same: a station operating away from home with portable power sources and antennas while running 10 W PEP or less. Remember: this category must comply with the 500-meter rule—all transmitters must remain within a 500-meter circle.

As usual, there were strong efforts turned in for the Multioperator category. The crew at K8GP won the category and broke the one-year-old category record set by W2SZ/1. These heavyweights are always in close competition and provide a good training arena for many up-and-coming VHF/UHF enthusiasts. If you get the opportunity to work with one of these "superstations," or to study their planning, setup and strategies, you can't help but pick up a few tricks of the trade that will improve your operating skills.

The Limited Multioperator category continues to be a popular category. Leading the way in 2000 was W2ODH/6 who parlayed

their population density advantage in Southern California into a win over W5KFT in south Texas—605,143 to 490,194.

Rovers continue to make up about 9% of the total logs received. In this year's contest we had an interesting rover issue arise. WILP operated aboard their boat and submitted a unique Maritime Mobile rover entry. The score of 218,385 points would have won the Rover category, but according to the rules, Maritime Mobile entries are considered separate and compete against themselves.

A close race remained with the Rovers who competed under the category standards. In the end AB5SS edged W2FU by a little over 5,000 points. By activating 15 grids during the contest, AB5SS was able to work enough additional multipliers to offset the 153 QSO advantage enjoyed by W2FU. AB5SS also utilized two additional bands. Studies show that the more bands you utilize in VHF/UHF contesting, the better your score. When planning your next Rover effort, consider adding an additional UHF/Microwave band as a means to further bolster your QSO point and Multiplier totals.

The multiplier battle tells the tale of this contest for many of the closest competitive categories. K5IUA and K1TEO posted comparable totals on many of the higher point bands, with both edging the other on a few of the microwave bands. However K5IUA's victory came thanks in large part

to the additional 62 multipliers he worked – including an outstanding 219 on 50 MHz to K1TEO's 87 on the same band.

The same situation occurred when perennial top gun W2SZ/1 was outdistanced by K8GP. While winning the QSO and QSO point battles, Mt Greylock was not able to make up the additional 133 multipliers worked from the mountains of West Virginia. The VHF bands were a strong component in the K8GP victory, holding off the advantage that W2SZ/1 held on the microwave bands. Six meter conditions were great in most areas of the country – and held the key to victory for many section and division winners as well.

With the addition of the Single Operator Low Power category, a new series of Top Ten Plaques are now available for sponsorship by interested participants or groups. Plaques are available to the Top Ten finishers in each of the six entry categories. As always, winners may purchase unsponsored plaques for \$60. Contact the Contest Branch to find out more about plaque sponsorship opportunities or to order your unsponsored Top Ten plaque.

The 2001 ARRL June VHF QSO Party is set for June 9–11, 2000. It's just in time to float with Jim and Huck down a lazy river as a unique Rover. Perhaps you'll climb a mountain peak with Tom and Becky to try your luck... instead of whitewashing a fence.

## Scores

Each line score lists call sign, score, stations worked, multipliers, Entry Class, number of grids activated (if Rover), and bands (A= 50 MHz, B = 144 MHz, C = 222 MHz, D = 432 MHz, 9 = 902 MHz, E = 1296 MHz, F = 2304 MHz, I = 10 GHz). For entry category, A = Single Operator Low Power, B = Single Operator High Power, Q = Single Op QRP Portable, L = Limited Multioperator, M = Multioperator, R = Rover. Band wins for Single Operator Low Power and Single Operator High Power are in Bold.

<b>1</b>	N1NQD 11,648	127	64	B ABCD9E	W1DYJ 5,265	135	39	A AB	W1XM (+ops)	36,344	398	77	L ABCD
<b>Connecticut</b>	K1ZE 20,519	214	71	Q ABCD9E	N1RHS 5,054	99	38	A ABCD					
N1JMM 10,011	180	47	A ABD	W1QK (+AA1MY,K1XS,K1PHG,K1SYG)	K1NU 4,746	108	42	A ABD	<b>Maine</b>				
W1AW (N4QX,op)	5,217	129	37	A ABCD	K1YZ 2,640	88	30	A A	KQ1V 6,384	112	57	A AB	
K1VWV 4,370	85	38	A ABCDE	KB1H (+KB1DFB,N1XS,KE1LN,N7PRD)	N1VQR 1,444	67	19	A ABD	KV1J 819	39	21	A AB	
NT1N 4,070	110	37	A A		K1QM 539	43	11	A ABD	N1YIS 6	3	2	A B	
K5GMX 1,625	65	25	A A	<b>Eastern Massachusetts</b>	N1KGW 504	36	14	A A	N1RWY 20,400	196	85	B ABCDI	
K1RO 1,320	55	24	A AB	W1FM 54,383	332	119	A ABCD9E	K1WHS (+K1CA,K1DY,K0ZK,K1BX,N1LBI)	400,752	1119	264	M ABCD9EFGHJ	
KE1LE 1,220	61	20	A AB	K5MA 47,008	351	104	A ABCD						
N1QVQ 48	11	4	BD	WG1Z 24,120	283	67	A ABCDE	<b>New Hampshire</b>					
K1TEO 370,728	909	271	B ABCD9EFGI	N1GJ 22,977	208	69	A ABCD9EFG	WA1HOG 32,943	298	79	A ABCD9E		
K1GX 75,790	374	130	B ABCD9EFGHI	K1UR 7,200	152	40	A ABCD	NM1W 1,782	81	22	A A		
				KA1EKR 6,253	102	37	A BCDE						

W1DAD	650	50	13	A	A
K1MOM	154	22	7	A	A
AF1T	84,455	450	127	B	ABCD9EFGI
KJ2A	66,105	355	117	B	ABCD9EFGI
K2HZN	24,400	228	80	B	ABCD9EFGI
N1HUM	2,828	88	28	B	ABCD9EFGI
K1NKR	2,599	57	23	B	BCDEFG
N1JHU	1,872	62	26	B	ABCD
W1WA	1,430	51	26	B	ABCD
W1ZC	884	34	13	D	

### Rhode Island

KM1X	35,280	337	90	A	ABD
KB1LN	300	25	12	A	B
W1BAT	1,403	60	23	B	ABD
W1CPC	576	34	16	B	ABD

### Vermont

K1LPS	21,384	208	81	A	ABCD	
N1ZUK	3,348	89	36	A	ABD	
W1A1M	37,323	258	117	B	ABCD	
KT1VT	3,420	76	45	B	AB	
WB1GQR	(W1SJ,N2YHK,ops)	142,400	857	134	L	ABCD

### Western Massachusetts

N1DPM	51,030	302	105	A	ABCD9EFG	
WA1MBA	33,825	220	75	B	BD9EFGHI	
NC1I	14,256	259	48	B	ABD	
KC1OM	1,250	37	25	B	ABCD	
N1MHH	192	14	12	B	ABCD	
W2SZ1	(K1DH,K1EP,K2AD,K2JB,K2TR,KA1DZV,KB0WJO,KB2YQE,KC1A1ZM,KE2ZTP,N2B9Y,N2KRE,N2YCA,N2YU,W1SZ,W1VE,WA1ZMS,WA2AAU,WA2SPL,WA8USA,WS2B,ops)	1,651,461	2319	399	M	ABCD9EFGHIJK

## 2

### Eastern New York

N2UZZQ	13,008	220	48	A	ABCD	
N2TMT	4,998	147	34	A	A	
W2YDI	1,121	47	19	A	BD9E	
WB2YAF	1,064	19	4	A	BD9E	
WA2YEI	434	25	14	A	ABD	
WA2BAH	114	15	6	A	ABD	
KA2MKU	80	12	5	A	ABD	
W3HHW	23,838	203	87	B	ABCD9E	
K2ZZ	11,703	229	47	B	ABD	
W2IR	(W2JHO,op)	2,980	120	20	B	ABD
WA1RKS	2,970	79	33	B	ABCD	
AB2I	(+W2Y,WU2S,WC2J,WB2D,VV,N2BZP,K2JK,KC2CRO,KC2DMH,KC2SS)	74,061	523	117	L	ABDE
W2MU	(KY2J,K2ETA,KG2DB,WB2AQ,WA2MMX,W2XL,W2EY,KD2NE,K4HA,N2SA,N2MCI,ops)	42,434	353	98	L	ABCD
K2TVI	(K2ZVI,WB2NHC,WB2NVR,WB2VVS,N2DHH,N2FMC,N2GDY,N2GKM,N2NWZ,N3EMF,ops)	227,953	918	187	M	ABCD9EFGHI
K2CT	(K2EP,K2BX,K2ZP,K2SJJ,W2FWS,ops)	14,136	201	57	M	ABCDJ

### NYC-Long Island

KB2VWG	10,441	164	53	A	ABD
K2QVS	9,360	153	52	A	ABD
K2XFU	1,386	77	18	B	
WB2AMU	2,822	73	34	Q	ABD

### Northern New Jersey

WB2VUV	73,700	356	134	A	ABCD9EFGI	
K2KIB	22,161	205	83	A	ABCD9E	
K2YSY	2,330	121	30	A	AB	
WB2CUT	3,698	128	22	A	B	
W2UDT	2,697	87	31	A	AB	
WA2BKN	990	44	22	A	ABD	
N2ZAK	615	34	15	A	BD	
W2CVW	300	25	12	A	A	
WA2ASQ	240	20	12	A	A	
W1BO	49,276	376	97	B	ABCD9EFG	
W2JEK	108	12	9	B	ABD	
N2NK	(K2BM,N2WM,W3DR,K2BJC,N2HMM,KB2LHH,KC2DLD,WB2UUF,N2B1M,ops)	157,677	782	169	L	ABCD
K2BAR	(K2AMI,N2PBY,WA2LXE,WA2OHL,K1YLH,KC2ZHL,KO2OK,NA2AA,W2MSK,K2UFM,KC2FBK,NX2Q,WK2M,KA2NJP,KF2ID,KC2ZTA,K2ZB,KC2CLH,KC2AWX,ops)	66,992	536	106	L	ABCD

### Northern New York

WA2AEY	20,256	185	96	A	ABD
WZ2T	1,600	50	32	A	AB

### Southern New Jersey

N2SCJ	25,205	263	71	A	ABCD	
N2RF	2,496	73	32	A	ABCD	
K2SMN	92,056	428	148	B	ABCD9EFG	
K2TXB	41,496	311	84	B	BDEI	
KD2KS	21,060	228	81	B	ABCD	
KB2TIS	(+K2UHY)	969	38	19	L	BDE

### Western New York

W6XR	7,808	124	61	A	ABD	
K2OEQ	3,237	68	39	A	ABD9	
W2WGL	2,772	66	33	B	BD	
N2DUD	75,348	546	138	B	A	
K2AN	44,640	237	120	B	ABCD9EFG	
N2WK	17,640	210	84	B	A	
WA2ZNC	1,392	42	24	B	ABCD	
K2QO	171	16	9	Q	ABI	
KB2DMK	(+N2HLT,N2JDQ,N2HOW,N2OLB,NS9E)	249,917	801	241	L	ABCD
N2PA	(N2KJ,N2JQR,W3OAB,N2YB,ops)	520,149	1038	329	M	ABCD9EFGHIJK
K2AMB	(+N2MRE,KC2GWI,AC1M,W2YPP)	1,269	35	27	M	ABCD

## 3

### Delaware

W3OR	3,234	50	49	B	ABCD9EFG
WA3BZT	2,856	68	42	B	AB

### Eastern Pennsylvania

WA2FGK	105,133	405	161	A	ABCD9EFG
NA2T	18,509	186	83	A	ABD

K3XF	5,928	87	52	A	ABCD9E	
WT3P	3,914	102	38	A	ABD	
K3ARR	1,836	54	34	A	AB	
W3SC	1,643	44	31	A	ABD	
W3JS	1,113	51	21	A	ABD	
N3NYC	176	16	11	A	B	
N3NGE	47,524	258	109	B	ABCD9EFGH	
W3EME	24,720	412	60	B	B	
N3XJX	10,176	122	64	B	ABCD	
WA4GPM	3,900	100	39	B	AB	
W3SZ	2,646	53	27	B	BCDEF	
WA3CSP	2,015	65	31	B	A	
K3TV	1,898	69	26	B	ABD	
N1XKT	1,296	39	18	B	ABCD9EFGIP	
K3NAT	814	36	22	B	ABD	
K3KEL	176	11	8	B	D	
N3FTI	29,304	254	88	Q	ABCD9EFG	
K3YTL	(K3MKZ,K3TOW,KA3EE,KA3ZHT,KB3CBF,KB3QI,KE3OA,N3FA,N3PBH,N3RN,N3TKK,W3DZH,WA1HHN,WA1MKE,WA3NVS,WB3FKQ,ops)	437,000	1386	250	L	ABCD
W3HZU	(AD3E,N3NBT,N3BQB,N3VQH,N3ZCW,K3JAW,ops)	13,826	210	62	L	ABD
KF3DT	(+KB3CPL)	4,368	95	42	L	ABD
W3CCX	(AA3GN,K1JT,KB3XG,KU3T,NE3I,N3EW,N3FUJ,N3ITT,W2SJ,W2SK,W3DFM,W3KM,W3RJW,WA3DR,W3AGFZ,WA3NUF,WA3RLT,ops)	754,564	1663	326	M	ABCD9EFGHIJK
K3MQH	(K3RA,K3UG,AI3W,AI3M,N3EAB,W3EKT,N3ZTZ,ops)	733,005	1621	315	M	ABCD9EFGHIJK

### Maryland-DC

K3IXD	21,655	237	71	A	ABCD
WA3EOQ	19,360	146	80	A	BCDE
K3HCE	15,300	170	75	A	ABD
N3VOP	6,118	111	40	A	ABD
N3UM	4,440	111	40	A	A
N3SOK	3,680	89	40	A	ABD
WA4PRR	903	39	21	A	ABD
AC3P	624	39	16	A	AB
AA3S	570	38	15	A	AB
WA3GYW	405	27	15	A	AB
K3CHP	312	26	12	A	A
KB3DMN	168	21	8	A	B
K1RZ	231,623	741	203	B	ABCD9EFGI
K3ZO	41,195	385	107	B	ABD
N3HBX	18,060	216	70	B	ABCD
W3VRD	15,312	180	66	B	ABCD9
K3ATC	7,535	121	55	B	ABCD
W3GN	2,975	85	35	B	ABD

### Western Pennsylvania

KA3SDP	24,210	199	90	A	ABCD	
EA3GP	4,592	67	56	A	ABCD	
W3ZSO	1,566	54	29	A	AB	
W3ZA	108	12	9	A	AB	
WB1U	88	10	8	Q	ABD	
WB0IWF	24	6	4	Q	ABD	
N3II	(+K3DNE)	136,183	556	191	L	ABCD
W3SO	(+WR3Z,K4VV,W3YOZ)	41,285	316	115	L	ABD
K3MJW	(KA3WSW,N3GJ,N3NOS,ops)	21,311	184	101	L	ABD

## 4

### Alabama

KU4WV	13,908	149	76	A	ABCD	
KM4LK	2,898	69	42	A	A	
W4OZK	1,400	49	28	A	ABD	
WA5JWU	456	24	19	A	A	
WB4WXE	20,196	198	102	B	AB	
N4ION	15,272	160	92	B	ABD	
AJ4W	1,271	40	31	B	ABD	
KU4IU	(+KT4XA)	50,887	325	151	L	ABD
KF4DGS	(+KS4YT,KV4T,K4WJ,KG4HKE)	101,436	448	214	M	ABCD

### Georgia

K4BAI	7,598	131	58	A	A	
WK4E	4,752	85	54	A	ABD	
N4WD	3,444	82	42	A	A	
KV1E	1,696	53	32	A	A	
NY4F	966	39	23	A	ABC	
KD4K	43,250	320	125	B	ABCD	
K4EUH	38,499	272	123	B	ABCD	
K4KAZ	10,944	143	64	B	ABCD	
K4SZ	(+K4PTT,W4RLW)	13,104	159	72	L	ABCD
K4HUM	(KF4VR,W4GCL,KE4KQB,KF4HQV,KG4CFP,KE4SLO,ops)	5,805	122	45	L	ABD
K4RF	(+K4KAD)	88,894	448	169	M	ABCD9EFGI

### Kentucky

W4FVQ	8,908	104	68	A	ABCD9E
AD4ZV	33,408	262	116	B	ABCD
K4LYN	1,364	44	31	B	A
KD4EBV	589	31	19	Q	AB

### North Carolina

AF4HX	22,848	268	68	A	ABCD	
KD4HLG	15,753	177	89	A	A	
WB4U	4,005	89	45	A	AB	
K2IUK	777	37	21	A	A	
K4DAM	308	22	14	A	A	
K4Q	123,646	449	211	B	ABCD	
W4DEX	23,644	176	92	B	ABCD9EFGHI	
W4VH	7,150	76	50	B	DEFG	
NA4JF	7,018	119	58	B	ABD	
W4WSR	5,120	88	40	B	BD9EF	
KF4LVF	2,166	57	38	B	A	
W4RXR	14,678	156	82	Q	ABCD	
AA4ZZ	(+AA4S,K2SD,K4DXA,W4MW,W4SI)	268,548	809	276	L	ABCD
W4ATC	(N3QYE,NA3T,N3NPO,KF4RDN,ops)	2,590	70	37	L	AB
W4NH	(K4EA,KB4IDC,KF4DZV,NX9O,W4ATL,W4KXY,ops)	212,852	779	254	M	ABCD9E

### Northern Florida

NA4JK	78,948	459	172	A	AB	
KU4UDW	59,130	431	135	A	ABD	
KE4YDD	860	42	20	B	BD	
NW5E	120,903	628	191	B	ABCD	
W2BZY	84,645	472	171	B	ABCD9E	
KA4DON	(+N4VHF)	65,940	416	157	L	ABD

### Puerto Rico

WP4LNY	14	7	2	A	B
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### South Carolina

NA4JZH	20,000	200	100	A	AB
N4UFP	13,148	161	76	A	ABCD
N1BOY4	322	23	14	A	A
K4WJW	273	21	13	A	A
K4YTV	(WA2EMF,op)	72	9	A	B
W4KSC	4,472	77	52	B	ABCD

### Southern Florida

N4IS	109,026	673	162	A	AB
K0VXM	76,145	445	157	A	ABCD9EFG
WC4H	39,516	356	111	A	A
KF4FAJ	26,418	238	111	A	AB
W2DUG	2,650	53	50	A	A
WB6XQ	2,132	52	41	A	AB
WASLR	504	28	18	A	A
WB2WIH	252,945	1061	231	B	ABCD

### Tennessee

KV4IE	23,278	219	103	A	ABD
KD4HK	17,108	174	94	A	ABCD
KG4BMH	2,860	76	35	B	AB
EA4HG	374	22	17	A	AB
AD4F	1,504	140	66	B	ABCD
K5OGF	960	16	10	B	AB

### Virginia

AD4TJ	11,328	159	64	A	ABD
KC4AUF	7,504	121	56	A	ABCD
N4MM					

K6ARP (WB6GBS,KB6HRB,KF6IC1,N6JXL, KF6KDC,KB6LQV,KD6MQG,AD6OL,W6PSQ, KB6QNP,KC6GPO,KO6TG,KC6GUCP,KE6YCY, KE6YIK,KE6YLR,KE6YLS,N6ZGJ,KF6ZQY,ops) 25,908 254 68 M ABCDEI

**Sacramento Valley**  
N6AFI 5,814 102 57 A AB  
WB6NTL 114,009 443 183 B ABCDE  
NU6S 104,832 483 182 B ABCD  
N6KBX 67,824 342 144 B ABCDE  
KC6ZWT 20,680 254 55 B BCD  
W6VM (+K6KLY,K6FEE) 124,410 571 165 M ABCDE

**7 Arizona**  
N7IR 43,875 325 135 A AB  
W7ZT 9,920 124 80 A AB  
WB6CGZ 418 22 19 A A  
AA7A 131,068 568 217 B ABDE  
KE7NR 19,602 171 99 B ABCDE  
W6TOHF 7,504 106 67 B ABCD  
KF7JS 3,621 69 51 B ABD  
KB7YEL 2,340 65 36 A A  
W7MD 1,320 40 33 B A  
KF7NP (+N8U1,KE7OT) 175,187 665 239 L ABCDE  
N7SQN (N6ETA,KC7KKV,ops) 30,629 263 109 L ABDE

**Eastern Washington**  
N7AU 4,263 86 49 B ABC  
**Idaho**  
W7USA 6,741 101 63 A ABD  
K7SMB 2,242 59 38 A A  
N7EJ 23,280 232 97 B ABC  
K7MAC 7,006 108 62 B ABD  
W7ID 6,600 95 60 B ABDE

**Montana**  
KB7PMW 500 25 20 A A  
WA7PDC 15,486 175 87 B ABD  
**Nevada**  
N7WVZ 6,420 103 60 A ABD  
K7CWC 80,105 393 185 B ABCDE  
NW7O 8,118 113 66 B ABCE  
KC6UCN 1,815 50 33 B ABCD  
WA8TKK 240 17 8 Q ABCDE  
K7XC (+W7KK) 99,510 449 214 L ABDE  
N7LQ (+K7UI,KB7UF,KB7UEA) 185,758 641 262 M ABCDE

**Oregon**  
N7DB 25,850 259 94 A ABCD  
AH6LE 6,496 112 58 A AB  
WB7RSG 6,106 130 43 A AB  
K7HSJ 5,232 101 48 ABCDE  
K7TE 290 58 5 B A  
W7EWE 98,610 551 173 B ABD  
KA7V 1 1 1 B B  
WB7TSO 209 19 11 Q A

**Utah**  
KE7NS 41,261 320 121 A ABDE  
NJ7A 37,290 284 113 A ABCD9E  
WA6YPL 399 21 19 A AB  
K7LNP 24,948 239 84 B ABCD9E  
N7VM (+K7D7GVF) 42,510 313 130 L ABD  
N9SP (+K7D7GVR) 510 34 10 L BCD

**Western Washington**  
N7MWW 21,508 246 76 A ABD9EF  
K7WTF 7,208 136 53 A A  
W7DMN 5,060 115 44 A AB  
KB7PKC 2,868 98 46 ABD  
W7FKI 9,980 82 32 A ABD  
W3JPT 2,553 104 23 A ABD  
WDSJMC7 2,272 70 32 A ABD  
K7CW 45,344 416 109 B A  
KE7SW 41,202 309 109 B ABCD9EFGH  
K7XD 29,939 297 91 B ABCD  
W7FI 20,250 225 90 B AB  
K1CT 1,012 46 22 B A  
W7JR1NKN 2,784 87 32 Q A  
NL7RR7 (+W7QC,KB7ZFO,K1LOC,KB7N) 3,804 106 34 L AB  
WB7FJG (N4SL,KD7BZX,N7TPY,KC7KZL,ops) 2,310 87 22 L ABD  
K7VHF (K7ND,KD7TS,N7EPD,NU7Z,ops) 29,540 304 70 M ABCD9EFGHI

**Wyoming**  
ACT7A 10,878 147 74 A AB  
N7JT 1,512 56 27 A A  
WA7KYM 72,072 363 156 B ABCDE  
W0ETI77 56,320 360 148 B ABCD9  
K17WB (+K7KMT,N7NPC) 32,736 242 132 L ABD

**8 Michigan**  
N4SC 36,400 233 130 A ABCD  
KF8QL 14,982 147 76 A ABCD9  
K3KD 12,362 143 82 A ABD  
N8IVM 6,800 131 40 B D  
K8NTF 4,794 92 47 A ABD  
N8ZVB 4,089 87 47 A A  
N8SDQ 2,232 62 36 A AB  
N8AIA 1,155 35 21 A ABC  
N8XTM 1,066 41 26 A AB  
KC8NAH 405 27 15 A AB  
WA8YLZ 66 11 6 B AB  
KB8TVM 9 3 3 A B  
KB8U 114,823 508 199 B ABCD  
K2YAZ 102,243 358 197 B ABCD9EFHI  
K8MD 68,425 380 161 B ABC9E  
WDBKUF 12,090 134 78 B ABD  
W8WXX 2,494 58 43 A A  
N8PVT 345 23 15 Q A  
WW8M (+K8DAZ,NE8I,WA8VPD) 293,045 651 235 M ABCD9EFGHIJK

**Ohio**  
KBMR 85,808 404 173 A ABCD  
WA8RF 50,688 233 144 A ABCD9EFGH  
WB8JCF 12,719 142 79 A ABD  
KB8FO 12,393 153 81 A AB  
WB8DU 10,640 140 76 A AB  
KB8VUJ 6,480 100 60 A ABD  
KC8CSD 6,148 91 53 A ABCD  
KSZGJ 3,952 104 38 A AB  
KC8CUJ 2,898 69 42 A A  
W1FEZ 1,922 50 31 A BD  
AA8WJ 950 38 25 A AB  
W9VHF 736 32 23 A A  
KE8FD 208,504 516 268 B ABCD9EF  
KB8TK 161,760 440 240 B ABCD9EFG  
W8ULC 15,912 234 68 B B  
KB8RZV 13,104 138 78 B ABD  
N8GHZ 11,050 120 65 B ABCD  
KB8VAO 2,088 43 36 B ABDE  
NBWEL 48 8 5 B A  
N8XA 10,990 118 70 Q ABCD9E  
N8BJJ (+N9AG,N8NR) 69,551 443 157 L AB  
KU8E (+K9NW) 19,190 190 101 L AB  
N8KOL (+KA8ROX,KC8AQF) 116,600 473 200 M ABCD9E

**West Virginia**  
KBKJF 4,784 92 52 A A  
KC8EMQ 1,890 54 36 A AB  
K2UOP 95,284 417 166 B ABCD9EF  
N8XUR 31,740 240 92 B ABCD9E  
WA8WV 368 23 16 B B  
KB8JWT 230 23 10 Q B  
N1S1B (+KB2SAE) 299 22 13 L ABC  
K8GP (K8ISK,K6LEW,W4XP,N4UK,W3CMP, W3ZZ,K3SX,K1HTV,K1TR,K1RA,ops) 1,876,364 2281 532 M ABCD9EFGHIJK

**9 Illinois**  
K9PW 351,918 791 294 A ABCD9EFGHI  
N9GH 55,448 269 136 A ABCDE  
NN9K 23,345 203 115 A A  
N9OBE 9,801 121 81 A A  
KG9PF 6,204 106 47 A ABCD  
N9XHU 5,060 88 55 A ABD  
W9SE 2,320 58 40 A A  
K9PG 2,146 74 29 A AB  
KG9PQ 1,056 47 22 A ABD  
N9N1W 48 8 6 A A  
N2BJ 253,761 755 251 B ABCD9E  
WB9Z 173,514 560 239 B ABCDE  
K2DRH 123,224 483 211 B ABCD  
K9YR 30,080 248 94 B ABCD  
W9IIX 20,500 201 82 B ABCD  
W9OBG 17,472 142 96 B ABCDE  
WA6TJM 4,674 82 57 B AB  
N9MBK 2,331 111 21 B B  
W9VA 2,244 68 33 B A  
N9MBR 728 28 26 Q ABCD  
N9LAG 20,750 196 83 Q ABCD  
W9GKA 7,198 99 59 Q ABCD  
N9RFP (+KB9JZY,K9TMS,N9KVT,KB9VRW, KB9KKN,KB9WEJ,NOXMT,AA9IL) 31,400 274 100 L ABCD  
W9RM (+packet) 10,414 127 82 L A

**Indiana**  
WB9DRB 7,416 89 72 A ABCD  
BL8EE 54,944 404 136 B A  
K9EA 54,774 295 153 B ABCD  
KA9QFL 37,278 271 109 B ABCDE  
AA9LT 21,010 177 110 B ABCD  
KB9SSS 1 1 1 B A  
W9ICE (WB9YCY,WB8ERB,N8NGQ,N9OQY, K9YDO,N8JLZ,WB9OPR,KE4OED,K9XZ, KA9BFM,KB9NWP,WA0JTL,WE8N, KA8STM,ops) 229,356 697 277 L ABCD

**Wisconsin**  
W0UC 160,284 552 222 A ABCD9EFGHI  
K9VHF 52,128 304 144 A ABCD  
WA1UJU/9 23,460 230 102 A AB  
KA9UZW 18,525 168 95 A ABD  
KB9UPI 7,315 133 55 A AB  
K9UUT 6,776 142 44 A ABD  
N9UDX 2,920 65 40 A ABD  
KB9Q 2,480 69 31 A ABCD  
N9NDP 2,001 68 29 A ABC  
W9YCV 735 34 21 A ABD  
KB9RLB 480 24 20 A AB  
KB0LGB 360 20 18 A AB  
W9AKS 30 6 5 A A  
W9GA 100,359 409 189 B ABCD9E  
N9AKC 52,038 281 147 B ABCD9E  
N9DG 46,980 286 145 B ABCD  
W9JN 31,773 229 119 B ABCD  
WA9LZM 27,240 204 120 B ABD  
ND9Z 25,047 185 99 B ABCDE  
KB9TLV 8,760 118 73 B ABD  
WA9PWP 1,230 41 30 B AB  
N9LIA 972 35 27 B ABD  
K9AKS 39,932 228 134 Q ABCDE  
N9MYK 3,978 96 34 Q ABDE  
KF0GX/9 628 28 20 Q ABD  
N9E (at N9FH) (+KA9WYN,KB9KB,KB9LYL, N9FH,N9LLT,N9VA,WB9UJA) 113,280 555 177 L ABCD

**0 Colorado**  
W6QAL 113,645 509 191 A ABCD9EFGHI  
K0CS 63,200 380 160 A ABD  
N9KM 33,625 245 125 A ABCD  
N9NDJ 12,814 146 86 A ABDE  
N9UGY 10,660 110 65 A ABDEFI  
KA0MWA 1,612 51 31 A ABD  
K0YV 114,654 591 194 B A  
W7SAO 924 42 22 B B

K7VNU 13,752 191 72 Q A  
W0KVA (+N0WBW,W0KU) 66,960 390 155 L ABCD  
W1XE/0 (+N0KE,WB0GAZ,N0HF,KR0U, WS9D,AA0R) 265,356 838 273 M ABCD9E

**Iowa**  
NE0P 17,670 175 93 A ABD  
AB0HF 4,480 80 56 A AB  
KM0T 136,408 433 236 B ABCD9E  
K0VSV 25,648 186 112 B ABCD  
K0MQS 15,912 221 72 B B  
K0CNN (+KC0AYG,KC0CKU) 1,760 44 40 L AB

**Kansas**  
K0LLS 240 16 15 A A  
N0LL 154,224 561 252 B ABCDE  
N0KGY 47,700 253 159 B ABCDE  
W0EKC 26,108 186 122 B ABCDE  
KA0MR 5,757 85 57 B ABCD9  
W0RT 456 22 19 B ABD  
N0JK 3,675 74 49 Q AD  
K0BJ 775 31 25 Q A

**Minnesota**  
KB0ZEV 31,360 244 112 A ABCD  
KC0AKU 15,834 155 87 A ABD  
KB0TZA 7,434 118 42 A ABCD9  
K0JO 7,208 98 68 A ABCD  
N0UR 6,944 112 62 A A  
K0CP 4,472 74 43 A ABCDE  
KB0OBT 3,131 85 31 A ABD9  
KB0LYL 2,955 197 15 A B  
N0AT 1,728 54 32 A AB  
KC0HEW 1,144 24 26 A AB  
WB0TRA 952 34 28 A A  
K0CJ 882 42 21 A AB  
KB0YUK 97,125 378 185 B ABCDE  
KA0PQW 71,162 341 182 B ABCD  
WA0BWE 20,904 179 78 B ABCD9EFHI  
W0AUS 18,942 188 77 B ABCDE  
W0OHU 13,200 139 75 B ABD  
WA2HFJ/0 7,140 102 70 B A  
N0UK (KC0FXY,W9FZ,WB0GGM,W0ZQ,N0HJZ, KA0JWC,WA2PHW,ops) 239,148 707 273 M ABCD9EFIKP

**Missouri**  
KG0TQ 9,605 113 85 A A  
W0JRP 6,144 90 64 A ABCD  
W0WKG 49 7 7 A A  
W0FY 15,132 146 97 B ABD  
KF0Y 12,727 143 89 B A  
KW0A 2,030 58 35 B A

**North Dakota**  
W0KFG 5,544 87 63 B ABD  
N0TV 4,704 72 56 B ABCDE  
WB0OAJ (+KC0HXF) 28,272 223 120 L ABD

**Nebraska**  
W0BOM 4,554 64 46 A ABCDE  
KA0ABA 4,290 74 55 A ABD  
AE0G 2,684 61 44 A AB  
K0BJWJ 280 28 10 A B  
N0YNP 6 2 2 A BD  
W0BJ 14,705 173 85 B AB  
**South Dakota**  
WB0ULX 13,559 135 91 A ABD  
K0BIV 456 24 19 A AB  
WA0ZDK 285 19 15 A AB  
KA0ZE 270 18 15 A AB  
WB0HHM 8,379 105 63 B ABCD  
W7XU (+W0SD,W0DB,W0DT,N0GX) 403,560 947 380 L ABCD

**VE New Brunswick**  
VE9AA 35,334 293 117 A ABD

**Novo Scotia**  
VE1ZJ 6,858 126 54 B ABD

**Quebec**  
VE2ZP 1,904 56 34 A AB  
VE2CUA 1,045 48 19 A ABCD  
**Ontario**  
VE3KZ 24,794 237 98 A ABD  
VE3TMG 23,229 223 89 A ABD  
VA3FIN 16,016 162 77 A ABCDE  
VE3FHU 9,240 116 66 A ABCDE  
VE3SXE 4,032 84 48 A AB  
VE3DBF 3,948 68 47 A ABDE  
VE3CVJ 2,067 48 39 A ABCD  
VE3VHB 943 41 23 A B  
VE3CAG 416 28 13 A ABD  
VE3OJN 16,524 155 81 B ABCD9E

**Manitoba**  
VE4KQ 1,734 43 34 A ABCD

**Saskatchewan**  
VE5CEM (+VE5MX) 6,600 120 55 L A

**Alberta**  
VA6AN 24,300 243 100 A AB  
VE6TA 10,434 139 74 B AB  
VE6NNT 3,792 76 48 B ABD  
VE6JW (+VE6JV,VE6LDX,VE6MAA,VA6DX) 23,736 233 92 L ABDE

**British Columbia**  
VE7XF 14,328 188 72 A ABD  
VE7XO 1,376 43 32 A A  
VE7HPS 1,200 79 15 A ABC  
VE7BDQ 735 35 21 A A  
VE7IN 500 25 20 A AB  
VE7DXG 16,014 257 51 Q ABCD

**DX Cuba**  
CO2OJ 36,852 332 111 A A

**Guatemala**  
TG9AJR 6 3 2 A A

**Costa Rica**  
T15KD 8,544 178 48 A A  
T12ALF 144 16 9 B A

**Mexico**  
XE2HWB 4,876 106 46 B A  
XE2EED (+XE2QU,XE2XC,JE6EY,N6CA,N6XQ) 87,482 474 166 M ABCD9EF

**Rovers Atlantic**  
W2FU (+K2CS) 212,704 671 184 R 7 ABCD9EFGHI  
N1MU 15,785 133 55 R 9 ABCD9EFGH  
N3RBW 4,712 101 38 R 6 ABD  
K1DS 735 20 15 R 2 ABCD9EFGIP

**Central**  
WB9SNR 76,300 370 109 R 7 ABCD9EFGHI  
K0PG 42,051 242 131 R 8 ABCDE  
KF9US 40,656 288 84 R 8 ABCD9EF  
N9KS 7,350 176 35 R 8 ABD

**Dakota**  
KF0UK 81,783 465 117 R 12 ABCD9E  
WV0H 666 32 18 R 2 ABD

**Delta**  
N4OFA (+KB4NVD) 38,868 352 82 R 6 ABCDEF  
W4VHF (+K4MQG) 34,884 271 114 R 6 ABD  
KD4NOO (+N4GLY) 7,515 129 45 R 5 ABCD

**Great Lakes**  
K8WW 79,788 451 109 R 7 ABCD9E  
AA4R 24,910 207 106 R 4 ABD  
K8DOG (+K8LZK) 7,749 107 63 R 6 ABD  
NE8I 5,000 50 25 R 4 FGHIJK  
KC2EBH 2,788 55 41 R 8 ABD

**Hudson**  
WA2IID (+KB2SSS) 21,580 238 52 R 6 ABCDEFGHIJ

**Midwest**  
N0YVY (+N0LNO) 18,220 250 83 R 12 ABCDE  
N0DQS 17,528 228 56 R 14 BD  
KB0YFN (+KB0WPFY) 5,734 93 61 R 7 ABD

**New England**  
N1MJD 168,338 748 146 R 14 ABCD9EF  
N1QVE (+N1SFE) 21,708 210 67 R 4 ABCD9E  
K1JK (+WB2VVQ) 12,328 154 46 R 5 ABCD9EFG  
KE3HT 7,854 116 33 R 6 ABDEFGHIJ  
K1SAV 5,880 98 28 R 6 ABCD9EFGHIJ  
K2LDT 1,680 43 24 R 4 ABD9EFH  
W1AIMR 1,323 55 21 R 4 ABD

**Northwestern**  
WB7DHC 27,150 307 75 R 9 ABCDE  
N7CFO 2,320 292 62 R 8 ABCDE  
K7VK 9,768 132 74 R 6 A  
W7DSA 3,910 85 46 R 2 AB  
N7YAP 196 14 14 R 3 A

**Pacific**  
KB0GLL 24,055 195 85 R 22 ABCD  
KE6BZY 21,112 252 52 R 10 ABCDE  
WA6OEM 10,192 154 43 R 6 ABCD  
N16G (+N1VM) 5,568 103 32 R 5 ABCD9F  
KA6AMF 4,700 94 50 R 2 AB  
KB6UEF 4,680 102 39 R 3 ABD

**Roanoke**  
W3IYN 19,764 162 61 R 4 ABCD9EFGHI  
K9OYD 10,693 143 37 R 5 BCD9E  
KS4S 8,496 144 59 R 4 AB  
W4LLK 1,936 72 22 R 4 ABD  
N4IWI 1,045 49 19 R 1 ABD

**Rocky Mountain**  
AL1VE 103,136 507 176 R 11 ABCDE  
KB0CY 9,144 104 72 R 13 ABD  
K7VE 5,586 101 49 R 5 ABD

**Southeastern**  
WB0QGH 1,740 49 30 R 4 ABCD

**Southwestern**  
N6TEB (+WB6JDH) 143,956 602 146 R 12 ABCD9E  
N6DN 86,884 507 107 R 11 ABCD9E  
KF6ZZ 51,595 401 85 R 10 ABCDE  
KB6FYG (+AD6NH) 36,418 211 139 R 16 BCD  
N6VHF 25,134 294 72 R 7 ABD  
AD6AF 2,862 117 18 R 4 ABC  
KE6LEA 625 19 25 R 4 ABCD

**West Gulf**  
AB5SS (+W5DF) 217,729 518 239 R 15 ABCD9EFGHIJ  
WB5VYE (+K5OT) 135,994 597 194 R 8 ABCD9EF

**Canada**  
VE3NPB (+VE3OIL) 93,148 432 146 R 9 ABCD9EFGIJK  
VE3OIK 31,410 220 90 R 5 ABCD9EFGIJ  
VE4DS 696 29 24 R 6 A

**Maritime Mobile**  
W1LP/MM 218,385 1048 207 R 6 ABD

**Checklogs**  
N16FW/R, N8TF, W1XX, KV8X, VE1SKY, W3RJW, K5DGU, VA3RU, KJ5CI, VE7AGG, KB0N, K5IX

