

# 2010 ARRL November Phone Sweepstakes Results

Steve London, N2IC ([n2ic@arrl.net](mailto:n2ic@arrl.net))



Phone Sweepstakes continues to be one of the leading events of the contest season. Extreme weather on the west coast hampered many participants with power outages and damaged antennas, but many still found a way to get on the air. The rest of us were undeterred by what we hope is only a temporary hiatus in sunspot cycle 24. This year, 1,790 logs were submitted, reporting over 600,000 QSOs. When you add in those that did not submit their log, you get a total of 4,500 participants! Evening, nighttime and early morning conditions on the low bands were outstanding, with 80 and 40 meters supporting equal numbers of QSOs. 20 meters continues to be the daytime workhorse. Despite the sunspots, the number of 15 meter QSOs was down from last year. However, 10 meters showed some real improvement, with a solid opening between the northeast USA and the west coast around noontime on Sunday.

With challenging conditions making personal, division and section records a challenge, the “Clean Sweep” (working at least one station in each of the 80 ARRL sections) becomes the goal for many participants. This year, 287 earned a clean sweep, an increase of 5 sweeps over 2009. Another 132 operators came so close – missing only one section. What sections were the toughest? This year, it was Puerto Rico (27 missed sweeps), Newfoundland-Labrador (15 missed sweeps), and Northwest Territories (14 missed sweeps).

Many thanks to “Tree” Tyree, N6TR, for his hard work checking the logs, and George, K5TR for logistical and infrastructure support. In addition, K5OT, K9ZM, K9JK, KB9OWD, N6TV, and K9DUR painstakingly typed in 55 handwritten logs, with 8,553 QSO's, so that they could be properly adjudicated.

And now, without further ado... the “Just the Facts” Results!

## The Winners

CLASS	CALL	SCORE	QSOs	MULTS	SEC
Single Operator, High Power	VY2ZM (K1ZM, op)	349,022	2,209	79	PEI
Single Operator, Low Power	W4AAA (KK9A, op)	236,960	1,481	80	NC
Single Operator, QRP	NØKK (@NØAT)	109,440	684	80	MN
Single Operator, Unlimited	WB1GQR (W1SJ, op)	276,640	1,729	80	VT
Multioperator	W6YI	329,760	2,061	80	SDG
School Club	W6YX	224,640	1,404	80	SCV

## CLUB Competition

	Score	Entries
<b>UNLIMITED CLUB:</b> Potomac Valley Radio Club	21,489,580	273
<b>MEDIUM CLUB:</b> Mad River Radio Club	3,531,598	40
<b>LOCAL CLUB:</b> New Mexico Big River Contesters	1,286,004	10

SSB Sweepstakes will be on again November 19-21, 2011. **Will you?**

# 2010 ARRL Phone Sweepstakes -Top Ten by Category

## Single Operator, High Power

VY2ZM (K1ZM, op)	349,022
K7RL	338,080
N2IC	333,920
NR5M	332,320
W7WA	324,960
K5TR	312,000
KDØS (WDØT, op)	309,920
NN3W (@ N4RV)	293,920
NØQO	289,456
WC6H	282,662

## Single Operator, Unlimited

WB1GQR (W1SJ, op)	276,640
K7ZSD	269,280
KW8N	267,520
K3MM	266,560
N4ZZ	265,920
W8MJ	258,560
NY3A	253,600
N2BJ	246,560
K1KD	243,840
NØXR (@ NØNI)	243,162

## Single Operator, Low Power

W4AAA (KK9A, op)	236,960
AJ9C	203,040
N4PN	199,040
KU2M	196,078
W5MX	189,280
W4LT	178,080
NA4K	176,320
VE5ZX	169,760
K8BL	161,920
W7ZR	156,800

## Multi-Operator

W6YI	329,760
WØNO	297,040
NK7U	282,080
WY7SS	272,320
KA1ARB	271,040
W5RU	269,760
W2PV	266,720
N8HR	265,920
N3OC	252,320
K7IR	250,400

## Single Operator, QRP

NØKK (@ NØAT)	109,440
W1XX	96,320
KH6LC (NH6V, op)	79,948
NN7SS (K6UFO, op)	70,350
N4JF	69,280
KA1LMR	67,624
NDØC	67,392
VA3DF	59,250
NØKE	56,248
KIØOV	52,984

## School Club

W6YX	224,640
KØHC	223,520
NØUNL (WDØBGZ, op)	108,388
K2CC	87,680
W6RFU	68,016
W3ABT (K3BHX, op)	55,200
W1AF	53,712
W4UVA	44,304
W1YK	40,044
WØEEE	40,040

## 2010 ARRL SSB Sweepstakes- Division Leaders by Category

### Single Operator, High Power

Atlantic	N3RR	174,748
Central	K9CT	252,960
Dakota	KDØS (WDØT, op)	309,920
Delta	N8OO	253,440
Great Lakes	K8AO	168,792
Hudson	KM2O	151,680
Midwest	KØRH	184,000
New England	NC1I (K9PW, op)	269,120
Northwestern	K7RL	338,080
Pacific	WC6H	282,662
Roanoke	NN3W (@ N4RV)	293,920
Rocky Mountain	N2IC	333,920
Southeastern	K4SSU (NA4BW, op)	280,000
Southwestern	AA6PW	181,600
West Gulf	NR5M	332,320
Canada	VY2ZM (K1ZM, op)	349,022

### Single Operator, Low Power

Atlantic	W3PP (K1RY, op)	73,476
Central	AJ9C	203,040
Dakota	KØCN	104,104
Delta	NA4K	176,320
Great Lakes	W5MX	189,280
Hudson	KU2M	196,078
Midwest	KØOU	117,440
New England	W1WBB	64,526
Northwestern	W7YAQ	126,880
Pacific	N6ZFO	106,392
Roanoke	W4AAA (KK9A, op)	236,960
Rocky Mountain	K7VU	150,100
Southeastern	N4PN	199,040
Southwestern	W7ZR	156,800
West Gulf	N5UWY	79,002
Canada	VE5ZX	169,760

### **Single Operator, QRP**

Atlantic	KF2U	41,600
Central	A19K	13,250
Dakota	NØKK (@ NØAT)	109,440
Delta	KC5WA	26,220
Great Lakes	KT8K	46,800
Hudson	AA2VK	34,932
Midwest	KIØOV	52,984
New England	W1XX	96,320
Northwestern	NN7SS (K6UFO, op)	70,350
Pacific	KH6LC (NH6V, op)	79,948
Roanoke	K4WY	14,490
Rocky Mountain	NØKE	56,248
Southeastern	N4JF	69,280
Southwestern	KK7EL	4,770
West Gulf	AE5GT	38,160
Canada	VA3DF	59,250

### **Single Operator, Unlimited**

Atlantic	K3MM	266,560
Central	N2BJ	246,560
Dakota	K1KD	243,840
Delta	N4ZZ	265,920
Great Lakes	KW8N	267,520
Hudson	W2GDJ	172,160
Midwest	NØXR (@ NØNI)	243,162
New England	WB1GQR (W1SJ, op)	276,640
Northwestern	K7ZSD	269,280
Pacific	KH7Y (KB7Q, op)	227,200
Roanoke	W4NF	230,880
Rocky Mountain	WA5ZUP	221,200
Southeastern	K4ZGB	147,840
Southwestern	K6LL	196,960
West Gulf	W5ASP	91,884
Canada	VE3RZ	116,960

**Multioperator**

Atlantic	N3OC	252,320
Central	WD9CIR	148,960
Dakota	NØGF	235,520
Delta	W5RU	269,760
Great Lakes	N8HR	265,920
Hudson	AB2DE	75,520
Midwest	WØNO	297,040
New England	W2PV	266,720
Northwestern	NK7U	282,080
Pacific	KH6MB	215,040
Roanoke	KA1ARB	271,040
Rocky Mountain	WY7SS	272,320
Southeastern	WW4LL	239,200
Southwestern	W6YI	329,760
West Gulf	K5CM	230,522
Canada	VE5PV	200,960

**School Club**

Atlantic	K2CC	87,680
Central	W9JWC	39,340
Dakota	KØVVY	17,360
Delta	K5LSU	1,610
Great Lakes	W8SH	35,400
Hudson	W2DSC (WB2NVR, op)	18,760
Midwest	KØHC	223,520
New England	W1AF	53,712
Pacific	W6YX	224,640
Roanoke	W4UVA	44,304
Southwestern	W6RFU	68,016
West Gulf	K5USA	14,000

## 2010 ARRL November SSB Sweepstakes Regional Leaders by Category

Boxes list call sign, score and class (A = Single Op Low Power, B = Single Op High Power, Q= Single Op QRP, U= Single Op Unlimited, M = Multioperator, S = School Club)

### Northeast Region

(New England, Hudson and Atlantic Divisions;  
Maritime  
and Quebec Sections)

VY2ZM (K1ZM, op)	349,022	B
VY2TT (K6LA, op)	271,760	B
NC1I (K9PW, op)	269,120	B
K1LZ	267,840	B
K8PO	249,018	B
KU2M	196,078	A
KS2G	97,644	A
K2UF	97,050	A
W2ID	94,168	A
K2DSL	83,840	A
W1XX	96,320	Q
KA1LMR	67,624	Q
KF2U	41,600	Q
N3UR	41,172	Q
K5ZD	35,700	Q
WB1GQR (W1SJ, op)	276,640	U
K3MM	266,560	U
NY3A	253,600	U
N2MM	200,640	U
K3DNE	180,436	U
W2PV	266,720	M
N3OC	252,320	M
K2NNY	233,120	M
K3MIM	222,780	M
W3IDT	214,406	M

### Southeast Region

(Delta, Roanoke and Southeastern Divisions)

NN3W (@ N4RV)	293,920	B
K4SSU (NA4BW, op)	280,000	B
W4SVO	268,640	B
K4AB	259,360	B
N8OO	253,440	B
W4AAA (KK9A, op)	236,960	A
N4PN	199,040	A
W4LT	178,080	A
NA4K	176,320	A
WA3OFC	106,176	A
N4JF	69,280	Q
NA4CW	52,104	Q
KC5WA	26,220	Q
K4JC	18,000	Q
KD4YDD	16,500	Q
N4ZZ	265,920	U
W4NF	230,880	U
AB4GG	199,040	U
N1LN	172,800	U
KU1T	163,056	U
KA1ARB	271,040	M
W5RU	269,760	M
WW4LL	239,200	M
NP2B	228,468	M
W4MYA	220,640	M

**Central Region****(Central and Great Lakes Divisions; Ontario Section)**

K9CT	252,960	B
K9BGL	242,560	B
WT9U	188,960	B
K8AO	168,792	B
W9RE	123,714	B
AJ9C	203,040	A
W5MX	189,280	A
K8BL	161,920	A
N9CK	113,444	A
VE3RCN	111,390	A
VA3DF	59,250	Q
KT8K	46,800	Q
A19K	13,250	Q
N9NE	12,768	Q
K9ZO	10,368	Q
KW8N	267,520	U
W8MJ	258,560	U
N2BJ	246,560	U
KE9I	226,560	U
WW9R	137,280	U
N8HR	265,920	M
WD9CIR	148,960	M
W9YK	100,160	M
W8BI	87,840	M
KC8IMB	80,580	M

**Midwest Division****(Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)**

N2IC	333,920	B
NR5M	332,320	B
K5TR	312,000	B
KDØS (WDØT, op)	309,920	B
NØQO	289,456	B
VE5ZX	169,760	A
K7VU	150,100	A
VE5SF	127,360	A
KØOU	117,440	A
KØCN	104,104	A
NØKK (@ NØAT)	109,440	Q
NDØC	67,392	Q
NØKE	56,248	Q
KIØOV	52,984	Q
AE5GT	38,160	Q
K1KD	243,840	U
NØXR (@ NØNI)	243,162	U
WA5ZUP	221,200	U
WØYV	151,838	U
KØOB	133,668	U
WØNO	297,040	M
WY7SS	272,320	M
NØGF	235,520	M
K5CM	230,522	M
KØFVF	209,920	M

**West Coast Region****(Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT Sections)**

K7RL	338,080	B
W7WA	324,960	B
WC6H	282,662	B
N6BV	258,080	B
KL7RA (AL7IF, op)	240,002	B
W7ZR	156,800	A
WA0KDS	149,942	A
K9WZB	132,800	A
W7YAQ	126,880	A
K7EKM	122,664	A

KH6LC (NH6V, op)	79,948	Q
NN7SS (K6UFO, op)	70,350	Q
K6OO	47,880	Q
WA7PVE	26,520	Q
W7PT	17,808	Q
K7ZSD	269,280	U
KH7Y (KB7Q, op)	227,200	U
KF6T	207,200	U
K6LL	196,960	U
W7RN (KZ2V, op)	196,640	U
W6YI	329,760	M
NK7U	282,080	M
K7IR	250,400	M
KH6MB	215,040	M
K6SU	172,220	M

### Affiliated Club Competition (updated April 12, 2011)

Unlimited Category			Local Category		
	Score	Entries		Score	Entries
Potomac Valley Radio Club	21,489,580	273	New Mexico Big River Contesters	1,286,004	10
Northern California Contest Club	20,159,038	286	Iowa DX and Contest Club	712,172	7
Society of Midwest Contesters	9,798,106	173	Kansas City DX Club	677,504	7
Yankee Clipper Contest Club	7,597,768	98	Spokane DX Association	641,372	9
Tennessee Contest Group	4,556,898	58	Delaware ARA (Ohio)	376,870	5
Minnesota Wireless Assn	6,261,496	108	Contoocook Valley Radio Club	239,470	3
Florida Contest Group	4,097,928	62	Lincoln ARC	234,916	6
<b>Medium Category</b>			Sterling Park ARC	226,962	10
	Score	Entries	Utah Contest Club	220,224	3
Mad River Radio Club	3,531,598	40	West Park Radiops	208,598	7
Frankford Radio Club	3,488,752	45	Sussex County ARC	207,866	5
Southern California Contest Club	3,298,500	46	Hilltop Transmitting Assn	204,262	4
Central Texas DX and Contest Club	2,922,760	27	Bristol (TN) ARC	198,016	6
Alabama Contest Group	2,860,704	44	Portage County Amateur Radio Service	193,426	8
Arizona Outlaws Contest Club	2,749,292	44	Ashe County ARC	186,304	4
Western Washington DX Club	2,616,910	30	West Allis RAC	182,076	3
Grand Mesa Contesters of Colorado	2,616,660	30	Murgas ARC	156,166	3
North Texas Contest Club	2,000,432	19	South Jersey DX Assn	144,782	4
Contest Club Ontario	1,901,498	38	Skyview Radio Society	136,204	4
South East Contest Club	1,781,992	21	Badger Contesters	136,086	3
Hudson Valley Contesters and DXers	1,638,914	25	Fort Wayne Radio Club	133,468	3
Willamette Valley DX Club	1,293,746	19	Western Lake County Amateur Radio Society	108,112	6
Louisiana Contest Club	1,244,686	12	Blue Ridge ARC	82,760	3
Maritime Contest Club	1,042,694	20	Southern Berkshire ARC	80,394	5
Rochester (NY) DX Assn	987,538	14	Hays-Caldwell ARC	74,998	5
Kentucky Contest Group	947,124	11	Granite State ARA	70,634	3
CTRI Contest Group	857,518	14	Great South Bay ARC	60,346	5
Northern Rockies DX Association	855,750	6	Hazel Park ARC	59,306	5
Saskatchewan Contest Club	579,308	6	Meriden ARC	57,168	3
Oklahoma DX Assn	566,472	6	New York University Amateur Radio	36,372	3
Allegheny Valley Radio Association	549,068	11	Nanaimo Amateur Radio Association	15,480	3
Contest Group Du Quebec	547,520	13			
North Coast Contesters	520,728	8			
BC DX Club	507,382	5			
ORCA DX And Contest Club	492,978	7			
Utah DX Assn	479,634	8			
Central Oregon DX Club	460,858	5			
Order of Boiled Owls of New York	449,804	7			
Alberta Clippers	368,498	3			
Missouri DX and Contest Club	309,352	4			
East Coast Canada Contest Club	213,640	3			
Motor City Radio Club	208,568	11			
Western New York DX Assn	145,534	5			
Mississippi Valley DX/Contest Club	109,300	3			
Eastern Iowa DX Assn	99,130	3			
Carolina DX Association	51,912	5			



## 2010 ARRL November SSB Sweepstakes Number of Logged QSOs by Section

MDC	31,157	SFL	5,604
VA	28,074	LAX	5,221
IL	23,549	WCF	5,144
MN	20,136	ORG	5,142
SCV	19,862	WV	4,811
OH	19,523	KY	4,766
NC	16,141	SNJ	4,759
MI	15,567	EWA	4,723
IN	14,255	MAR	4,670
TN	13,191	NV	4,658
WWA	13,105	SDG	4,642
CO	12,352	NLI	4,602
SV	12,067	MT	4,569
STX	11,457	BC	4,381
NTX	10,969	WY	4,375
EPA	10,343	UT	4,170
GA	10,152	NE	4,003
ENY	10,075	ID	3,822
WI	10,026	AK	3,747
AZ	9,626	DE	3,545
NNJ	8,957	AR	3,541
EB	8,840	SB	3,507
OR	8,806	ME	3,461
NH	8,688	WTX	3,275
LA	8,627	SD	3,116
NM	8,332	SC	3,001
SJV	8,206	RI	2,982
KS	8,199	SK	2,727
EMA	7,936	MS	2,594
AL	7,809	AB	2,588
CT	7,714	VT	2,476
MO	7,147	PAC	2,466
WNY	7,111	NNY	2,388
NFL	6,965	QC	2,166
ON	6,360	ND	2,092
WMA	6,038	VI	2,037
IA	5,845	MB	1,719
WPA	5,838	NT	1,545
OK	5,726	NL	1,146
SF	5,708	PR	935



## 2010 ARRL November Sweepstakes (Phone) Scores

Within each Section, scores are listed in descending order by entry category, with single ops followed by multioperator. Line scores list call sign, score QSOs, multipliers, hours, class (Q = QRP, A = Low Power, B = High Power, U - Single Unlimited, M = Multioperator, S = School Club).

### United States

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#### Connecticut

W1WEF	108,000	675	80	B
K1RM	89,760	561	80	B
WA1OUI	23,384	148	79	B
W1TR	17,514	139	63	B
K1KI	960	32	15	B
W2JU	63,674	403	79	A
N2GZ	45,450	303	75	A
AA1JM	37,576	244	77	A
W1KF	24,318	193	63	A
K1LEE	23,320	220	53	A
K1DM	14,148	131	54	A
K1CTT	12,084	114	53	A
W1SAM	9,776	104	47	A
KB1UUB	3,332	49	34	A
KB1JJL	98	7	7	A
W1SQ	8	2	2	A
W1NG	113,600	710	80	U
W1RPG	68,672	464	74	U
WV1M	59,882	379	79	U
W1AN	41,280	258	80	U
W1NK	31,840	199	80	U
N1XK	20,520	135	76	U
W1QK (+ KA1SYG, NG1R, W1QH)	146,080	913	80	M
W1AW (K9JM & K6JAT, ops)	75,306	489	77	M
NJ1Q	32,640	204	80	M
W1NRG (KB1CIW, KB1FYL, N1ZN, KB1HCC, N1API, KB1TJC, KB1HCC, WA1TRY, ops)	26,832	172	78	M
<b>Eastern Massachusetts</b>				
K1LZ	267,840	1,674	80	B
KA1IOR	171,904	1,088	79	B

WC2W	119,360	746	80	B
W1KQ	67,782	429	79	B
AD1DX	60,150	401	75	B
N1YX	63,360	396	80	A
KG1E	52,104	334	78	A
KC1SQ	43,836	281	78	A
WA1DRQ	41,464	284	73	A
W1FA	32,832	216	76	A
W1TI	26,064	181	72	A
W1CCE	20,736	162	64	A
K1VU	15,776	136	58	A
K1BBM	13,608	126	54	A
KB1REQ	8,500	85	50	A
W1MJ	7,360	80	46	A
K1QW	5,538	71	39	A
N8ZRY	2,940	49	30	A
W1CRK	1,900	38	25	A
N1SNB	1,480	37	20	A
N1NN	320	16	10	A
W1MAW	41,440	259	80	U
K1TH	6,392	94	34	U
W1BJ (+ W1BP)	1,364	31	22	M
W1AF (W1PL, N3ER, K6AUS, K1VR, KC2UQC, ops)	53,712	373	72	S
<b>Maine</b>				
K8PO	249,018	1,617	77	B
K1YSY	12,036	102	59	B
AB1BR	6,120	85	36	B
N1OXA	44,232	291	76	A
WW1M	33,288	219	76	A
KD1O	26,928	204	66	A
K1LOG	12,272	118	52	A
ND1T	10,120	110	46	A
N1MHB	8,976	102	44	A
KA1C	912	24	19	A
KV1J	12,208	109	56	Q
K1ESE	5,292	63	42	U
<b>New Hampshire</b>				
AF1T	194,400	1,215	80	B
N9NC	186,240	1,164	80	B
WT1M (N1HKO, op)	133,364	866	77	B
AE1P	87,680	548	80	B
K1RX	85,644	549	78	B
KK1KW	44,872	316	71	B
AC1J	40,464	281	72	B
K1VO	27,160	194	70	B
K1DG	12,960	81	80	B
NY1H	8,010	89	45	B
N1JHJ	198	11	9	B
N1BNC	25,192	188	67	A
N1IMW	20,832	186	56	A
KB1THU	19,240	130	74	A
KB1TFJ	510	17	15	A
KB1GKN	160	10	8	A
KA1LMR	67,624	428	79	Q
K1AR	71,732	454	79	U
WA1ZYX	30,968	196	79	U
NE1B	25,272	162	78	U
NF1O	3,010	43	35	U
WA1Z	2,300	50	23	U
KX9X/1 (+ ops)	1,240	31	20	M
<b>Rhode Island</b>				
W1WBB	64,526	419	77	A
K1VSJ	28,424	209	68	A
NK1S	8,836	94	47	A
KB1TMA	3,776	59	32	A
W1XX	96,320	602	80	Q
NB1U	55,380	390	71	U
K3IU	40,290	255	79	U
<b>Vermont</b>				
KK1L	36,608	286	64	B
N1BCL	55,068	353	78	A
W1ECH	46,610	295	79	A
WA1ZAM	12,444	122	51	A
W1AD	7,020	90	39	A
WB1GQR (W1SJ, op)	276,640	1,729	80	U

**Western Massachusetts**

NC1I (K9PW, op)				
	269,120	1,683	80	B
KB1MCK	14,400	120	60	A
W1SRB	12,688	122	52	A
KC2KTZ	8,370	93	45	A
K5ZD	35,700	238	75	Q
AA1AR	35,200	220	80	U
W1UJ	31,806	279	57	U
AD1L	23,128	196	59	U
W2PV (K1TTT, NJ1F, W1VE, ops)				
	266,720	1,668	80	M
K6ND (+ K6NDV, N8BO, NU5Y)				
	201,120	1,257	80	M
W1YK (KI6RKZ, KC2UBI, KB1PSB, K1ROG, KB3UAC, NB1H, KF7CDO, W2MOT, KM1P, KB1SIE, KB1UUG, ops)				
	40,044	282	71	S

**2****Eastern New York**

KM2O	151,680	948	80	B
NX2X	91,520	572	80	B
N2EIK	39,400	394	50	B
N2LH	12,878	137	47	B
WA3AFS	6,816	71	48	B
KC2TVJ	882	21	21	B
K2UF	97,050	647	75	A
WA2JQK	81,844	518	79	A
AB2KX	69,046	437	79	A
N2MTG	55,748	362	77	A
K2XA	35,280	245	72	A
N2JBA	34,416	239	72	A
AD2AM	34,272	238	72	A
WB2TCV	17,112	138	62	A
K2QY	14,036	121	58	A
K8LEF	13,158	129	51	A
WB2KHE	12,684	151	42	A
N2SAB	7,912	86	46	A
WB2HRK	7,310	85	43	A
K2CYE	5,934	69	43	A
KC2PJH	4,366	59	37	A
KC2JLY	2,204	38	29	A
K2AMP	1,026	27	19	A

WV2N	8,008	91	44	Q
W2GDJ	172,160	1,076	80	U
W3JK	109,120	682	80	U
N2SQW	81,920	512	80	U
KE2DX	34,848	264	66	U
K2ONP	18,720	156	60	U
WB2BTJ	7,920	90	44	U
N1EU	6,890	65	53	U
W2NY (WT4Q & KA2TDN, ops)				
	65,920	412	80	M
NO2X (+ NN2V)				
	44,104	298	74	M
KB2KDY (+ KB2SRC)				
	15,498	123	63	M
W2DSC (WB2NVR, op)				
	18,760	140	67	S

**New York City-Long Island**

N2MUN	44,208	307	72	B
AF2O	10,400	100	52	B
KS2G	97,644	618	79	A
NK1N	29,832	226	66	A
K2IZ	23,380	167	70	A
KT2G	12,852	119	54	A
WA2RXS	10,608	104	51	A
KC2SYF	2,640	44	30	A
K2TZY	2,378	41	29	A
WA2ZSK	1,610	35	23	A
K2JF	1,232	28	22	A
KC2JRQ	546	21	13	A
AA2VK	34,932	246	71	Q
KD2MU	9,800	100	49	Q
WA2OQJ	4,838	59	41	Q
KA2D	82,720	517	80	U
AA2BH (W2EEO & W2CYK, ops)				
	7,632	106	36	M

**Northern New Jersey**

N2NC	84,160	526	80	B
W2RQ	80,000	500	80	B
N2CJ	9,118	97	47	B
W2KXD	798	19	21	B

KU2M	196,078	1,241	79	A
W2ID	94,168	596	79	A
K2DSL	83,840	524	80	A
WA2C	43,368	278	78	A
WA2LXE	43,364	293	74	A
N2HMM	32,494	211	77	A
N2LK	11,770	107	55	A
KC2HRG	10,176	106	48	A
KC2QJB	7,056	72	49	A
W2VU	6,536	76	43	A
N2IEL	5,328	72	37	A
WB2AZE	2,262	39	29	A
K2MUN	336	14	12	A
KA2ANF	60	5	6	A
KR2Q	13,176	122	54	Q
W2JEK	6,840	90	38	Q
W2DPT	3,392	53	32	Q
K2DFC	86,080	538	80	U
W2VQ	81,120	507	80	U
W2NO	36,816	236	78	U
KC2LST	21,420	153	70	U
N2WM	12,444	102	61	U
W2UDT	11,232	104	54	U
AB2DE (N2KPB & KC2AVE, ops)				
	75,520	472	80	M
K2OAK (WO2U & WV2ZOW, ops)				
	27,548	194	71	M
W2EF (K2AJV, K2NNN, N2NO, WA2UEM, ops)				
	7,134	87	41	M
W2GSA (K2EI, W2HTS, N2LXM, KC2YNL, W2XYZ, ops)				
	3,432	52	33	M

**Northern New York**

WB2KLD	59,290	385	77	B
K2XC	10,304	112	46	A
AB2ZY	41,554	263	79	U
K2NNY (K2DB, W3OAB, K2CS, N2TWI, W1TY, AF2K, K2QZR, KC2QLJ, N2ZN, W2LB, ops)				
	233,120	1,457	80	M
K2CC (KC2LRC, KC2WBV, KC2WQO, KC2YRS, KB3EFS, KC2IXA, NR2V, KC2SGA, ops)				
	87,680	548	80	S

**Southern New Jersey**

WA2DVU	45,292	338	67	B
K2MK	13,680	114	60	B
KC2UML	2,610	45	29	B
KV2M	58,080	363	80	A
W2MC	39,024	271	72	A
K2RET	33,180	237	70	A
N2IMM	20,160	168	60	A
WR2F	13,440	120	56	A
W2KRD	12,208	109	56	A
W2ARP	5,168	68	38	A
WA2ACV	1,836	34	27	A
N2MM	200,640	1,254	80	U
W2RDS	106,560	666	80	U
N2OO	68,484	439	78	U
K2SQS	13,616	92	74	U
AI2I (+ N2NGW)	41,700	278	75	M
K2AX (+ N2PKP)	9,648	72	67	M
KC2NLM (+ KC2LGW)	6,952	79	44	M

**Western New York**

KB2KOL	28,650	191	75	B
K2DV	20,664	164	63	B
K2CF	19,560	163	60	B
KC2VMP	17,850	175	51	B
W2MKW	17,424	121	72	B
WA2ETU	16,576	112	74	B
N2MF	13,156	143	46	B
AB2NG	10,682	109	49	B
W2TF	66,202	419	79	A
K2SI	41,180	290	71	A
WB2WPM	28,950	193	75	A
WD2F	28,826	203	71	A
AB2TC	20,664	164	63	A
N2IK	16,864	136	62	A
N3LZG	15,428	133	58	A
KG2NI	12,502	133	47	A
AE2NG	4,464	62	36	A

KB2LUV	4,366	59	37	A
KB2URI	4,096	64	32	A
W2IMY	672	21	16	A
KF2U	41,600	260	80	Q
WB2VUO	6,806	83	41	Q
NG2P	36,480	228	80	U
WE2Y	21,684	139	78	U
KB2NCI	4,000	50	40	U
K2IWR (AB2G, AB2XG, KB3THO, KC2YXR, N2MRE, N2RQS, N2TJ, KC2FLO, KC2OPF, AE2MB, ops)	31,416	231	68	M

KF2VX (+ K2ZUW)

18,774 149 63 M

**3****Delaware**

N3ME	91,324	578	79	B
KA3HED	22,152	156	71	B
W3PP (K1RY, op)	73,476	471	78	A
WW3DE	39,566	271	73	A
NY3C	23,552	184	64	A
N3KRX	15,070	137	55	A
K3CWF	8,544	89	48	A
W3RLO	4,080	60	34	A
WA2VQV	240	12	10	A
K3MQ	100,962	639	79	U
W3GNQ	32,850	219	75	U
K3JD (+ ops)	97,584	642	76	M

**Eastern Pennsylvania**

W0BR	128,320	802	80	B
N3PF	49,920	312	80	B
NW3H	47,880	315	76	B
N3ST	41,440	280	74	B
K3ISH	12,054	123	49	B
KA3QLF	51,450	343	75	A
K3MRG	42,900	286	75	A
N3XUD	40,180	287	70	A
N3JDQ	30,672	216	71	A
N3GGT	27,468	218	63	A
WB9KPT	24,428	197	62	A
WB3BSA	23,100	175	66	A

KD3HN	18,850	145	65	A
N3AYY	13,420	110	61	A
KB3LTT	13,224	116	57	A
K3SV	12,852	119	54	A
WA2GBF	11,336	109	52	A
K2LNS	10,246	109	47	A
W3RT	10,192	98	52	A
KB3ICM	4,270	61	35	A
WA2EAJ	3,584	56	32	A
KB0FHP	2,214	41	27	A
KN3A	1,330	35	19	Q
NY3A	253,600	1,585	80	U
K3MD	112,320	702	80	U
K3WWW	96,160	601	80	U
W3FV	65,760	411	80	U
N3RM	20,124	129	78	U
WA3CEJ	13,248	96	69	U
AA3K	9,776	94	52	U
N3NR	6,624	72	46	M
W3ABT (K3BHX, op)	55,200	345	80	S

**Maryland-DC**

N3RR	174,748	1,106	79	B
N3UM	146,466	927	79	B
KJ3X (K1DQV, op)	122,560	766	80	B
W3IUU	107,840	674	80	B
WB4FDT	68,136	501	68	B
W3CB	54,208	352	77	A
KB3OK	52,392	354	74	A
NS3T	52,360	340	77	A
K3YDX	24,960	195	64	A
AB3IC	16,992	144	59	A
N1SZ	16,072	196	41	A
K3KU	14,410	131	55	A
WA1T	12,168	78	78	A
K4EET	11,800	118	50	A
NG3O	8,428	98	43	A
K7LU	8,364	102	41	A
WW3N	7,392	84	44	A

K3RGB	2,820	47	30	A	N3CW	23,288	164	71	U	K3UA	1,508	29	26	A
N3SCS	880	22	20	A	W2EGL	19,278	153	63	U	W3WC	91,040	569	80	U
WJ3K	242	11	11	A	K8GU	12,192	127	48	U	N3GJ	20,250	135	75	U
N3UR	41,172	282	73	Q	W2GPS	9,996	102	49	U	KD3NB	17,514	139	63	U
KD3FG	22,344	196	57	Q	NG3K	4,200	60	35	U	W3BC	16,716	199	42	U
KB3KOC	10,600	100	53	Q	N3HS	2,610	45	29	U	K3MJW (K3RWN, AB3LS, KB3TTR, KB3OMB, WC3O, WB3BUW, AB3LR, KB3EYY, ops)	107,200	670	80	M
AA3CS	10,530	117	45	Q	ND3D	2,352	49	24	U	KB3TBV (K3ZYK, op)	1,680	35	24	M
K3MM	266,560	1,666	80	U	N3OC (+ WR3Z & N1SZ)	252,320	1,577	80	M	N3LT (+ K3ZYK @ K3ZYK)	308	14	11	M
K3DNE	180,436	1,142	79	U	K3MIM	222,780	1,410	79	M					
WB2ZAB	159,896	1,012	79	U	W3IDT	214,406	1,357	79	M					
N1WR	155,472	984	79	U	WA3EKL (+ K3ZZ)	187,862	1,189	79	M					
N3FX	154,880	968	80	U	WX3B	140,100	934	75	M					
WY3P (N3KS, op)	140,320	877	80	U	N3AFT (+ N3WZR)	96,640	604	80	M					
W3KL	129,440	809	80	U	N8IVN	73,408	496	74	M	<b>Alabama</b>				
K3ZQ (W9GE, op)	124,960	781	80	U	K3PZN	63,344	428	74	M	K4AB	259,360	1,622	80	B
WN3R	118,240	739	80	U	WN3N (+ N3OZS, N3TOH, KB3MCL, KB3MCQ, KB3MCP, KB3MCS, KB3NRY, KB3PJD)	43,890	285	77	M	K3IE	58,050	387	75	B
WM3O	109,440	684	80	U	K3PRC	34,560	240	72	M	KC4HW	90,792	582	78	A
W3UL	108,800	680	80	U	KV3B (N8IVN, op)	32,760	252	65	M	NV4B	52,960	331	80	A
W3ZZ	102,240	639	80	U	KF3P	8,740	95	46	M	KO4FV	17,324	142	61	A
W3BW	100,640	629	80	U						KM4JA	10,716	114	47	A
K3TN	86,080	538	80	U						KD4N	10,270	79	65	A
K2PLF	79,040	494	80	U						KC4TIX	9,880	95	52	A
W2CDO	77,472	538	72	U						KG4CUY	7,626	93	41	A
WO3L	75,998	481	79	U						K4AMK	6,392	68	47	A
W3DQ	71,840	449	80	U						KS4L	2,640	44	30	A
K3STX	66,272	436	76	U	<b>Western Pennsylvania</b>					KI4YZI	1,782	33	27	A
N3ALN	59,124	379	78	U	W3SO (W3YOZ, op)	133,668	846	79	B	KA4NDY	1,000	25	20	A
N8HTG	58,812	377	78	U	K3RMB	5,106	69	37	B	KI4EEY	112	7	8	A
W4EE	52,852	362	73	U	K3LR	850	25	17	B	N4JF	69,280	433	80	Q
K3AU (K2YWE, op)	50,402	319	79	U	KB3LIX	45,296	298	76	A	K4ZGB	147,840	924	80	U
N3KTV	44,550	297	75	U	ND3R	42,150	281	75	A	K4HAL	53,352	342	78	U
W3OU	43,050	287	75	U	WA3HW	28,704	208	69	A	N4NM	51,666	327	79	U
K3QX	39,032	287	68	U	K3VED	18,544	152	61	A	N4KG	39,520	247	80	U
K3TM	38,760	255	76	U	WB3AFS	16,240	145	56	A	K4WI	31,200	195	80	U
W3TMS	34,164	219	78	U	KE3KD	15,456	138	56	A	KR4F	16,960	106	80	U
N3WD	31,768	209	76	U	KA3UOL	11,088	132	42	A	KY4F	14,280	119	60	U
NN3RP	26,696	188	71	U	WA3MDY	8,820	98	45	A	N4JN	2,320	40	29	U
N3YIM	24,864	168	74	U	KB3ORR	6,084	78	39	A	KY5R (+ N1OKL, K4AMK, W4NBS)	188,640	1,179	80	M
					W3ELW	4,720	59	40	A					
					AA2AD	3,136	49	32	A	<b>Georgia</b>				
										K4SSU (NA4BW, op)	280,000	1,750	80	B

K4BAI	237,158	1,501	79	B	N4CW	48,576	352	69	B	KS4S	8,484	101	42	U
W4QK	43,134	273	79	B	N8MPX	30,400	200	76	B	NC4MI	6,160	56	55	U
K4JTT	3,876	51	38	B	W4DMB	24,426	177	69	B	K3KO	4,042	47	43	U
N4PN	199,040	1,244	80	A	N4AA	12,300	123	50	B	KA1ARB (+ WB1ADR)				
WA7DIA	46,662	303	77	A	KI4LPR	5,994	81	37	B		271,040	1,694	80	M
K4UB	34,272	238	72	A	W4AAA (KK9A, op)					NA4CC (AI4RF, KJ4EDH, KB4LTZ, W4JNH, KB5NIA, ops)				
KJ4HZ	30,550	235	65	A		236,960	1,481	80	A		69,440	434	80	M
W4JDS	18,032	161	56	A	W4FT	70,128	487	72	A	W4YK	58,880	368	80	M
AI4UN	17,446	143	61	A	W4KAZ	63,072	432	73	A					
N4HH	14,976	96	78	A	K4WES	54,444	349	78	A					
N4NIA	9,090	101	45	A	N4HXI	51,040	319	80	A					
NJ8J	7,910	113	35	A	KA2OUO	49,350	329	75	A					
KI4WMO	7,216	82	44	A	N4YDU	39,900	285	70	A					
AJ4VE	7,056	72	49	A	N4IOZ	35,642	251	71	A					
KJ4CNC	2,352	42	28	A	KU4BP	33,900	226	75	A					
W3AG	828	23	18	A	AK4NC	20,720	148	70	A					
KD4QMY	476	17	14	A	W4COH	20,410	157	65	A					
NA4O	13,456	116	58	Q	KK4RV	19,182	139	69	A					
N4GG	38,236	242	79	U	N4FP	18,408	156	59	A					
KB4KBS	28,644	186	77	U	AI4GR	14,204	106	67	A					
WW4LL (+ W4BW, KU8E, W4KTR, N2WF)					KZ2I	9,680	121	40	A					
	239,200	1,495	80	M	K4MGA	9,212	98	47	A					

#### Kentucky

W5MX	189,280	1,183	80	A
KY4J	108,680	715	76	A
AJ4A	58,618	371	79	A
K3VIN	38,710	245	79	A
AI4BJ	37,000	250	74	A
K4SPO	12,772	103	62	A
N4XFF	4,560	57	40	A
KD4SN	67,680	423	80	U
KO4OL	54,826	347	79	U
K4WW	38,982	267	73	U
K4FT	12,960	81	80	U

#### North Carolina

NX9T	131,140	830	79	B
WK4P	124,800	780	80	B
N4GU	82,524	529	78	B
AD4L	74,382	483	77	B
WM2Z	69,108	443	78	B

WA4NOT	8,554	91	47	A
W4TMO	8,008	91	44	A
K4TMC	7,656	87	44	A
K4KAY	7,560	84	45	A
K8JSM/4	5,070	65	39	A
NV4A	1,452	33	22	A
K0RRP	690	23	15	A
KD4OFG	11,544	111	52	Q
N4ZAK	10,272	107	48	Q
N1LN	172,800	1,080	80	U
K4XD	113,440	709	80	U
W4MR (AA4NC, op)				
	94,484	598	79	U
K4QPL	80,480	503	80	U
W4MPS	64,160	401	80	U
KZ1X	18,576	129	72	U
K1ZW	13,534	101	67	U
N3KKM	13,284	123	54	U
N4TL	9,984	96	52	U

#### Northern Florida

N6AR	66,202	419	79	B
WX4US	30,104	212	71	B
NN4FL (N4EEB, op)				
	8,816	116	38	B
KT4Q	84,640	529	80	A
WB4OMM	67,520	422	80	A
W4GMH	49,536	344	72	A
WB2TFM	34,452	261	66	A
W4QG	25,410	165	77	A
AB4G	14,760	123	60	A
KQ4Y	14,410	131	55	A
N4MUH	12,084	106	57	A
W4SJV	10,300	103	50	A
K4GOP	6,640	83	40	A
KC4MYV	3,410	55	31	A
AC2N	4,200	60	35	Q
KH6OU	180	9	10	Q
K0LUZ	142,880	893	80	U
NF4A	63,520	397	80	U
K3TW/4	37,288	236	79	U
WW4B	6,424	73	44	U
WD4IXD (+ KJ4EUT)				
	111,072	712	78	M
KF4ZZ (+ K5WBM & W5JPM)				
	23,068	146	79	M

#### Puerto Rico

NP3CW	18,144	162	56	A
NP4G	120,320	752	80	U

#### South Carolina

K3AN	83,040	519	80	A
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KB4GYT	31,390	215	73	A	K4MCK	14,012	113	62	A	KI4VCT	12,960	108	60	B
WA8OJR	17,584	157	56	A	KI4BIY	10,976	98	56	A	W4PFM	11,900	119	50	B
WB4FEV	10,146	89	57	A	KK4TA	10,340	110	47	A	KU4VY	4,914	63	39	B
K4GRE	578	17	17	A	AA4DD	8,820	90	49	A	W4RVN	216	12	9	B
KI4SVM	4,720	59	40	Q	KD4NH	7,144	76	47	A	WA3OFC	106,176	672	79	A
NS4SC	61,280	383	80	U	NX2C	6,900	75	46	A	W4YE	60,960	381	80	A

**Southern Florida**

W4SVO	268,640	1,679	80	B	W6UB	2,296	41	28	A	W4PM	49,440	309	80	A
N4BP	191,730	1,245	77	B	KB4EB	1,920	32	30	A	K4AF (KR4YO, op)				
N4WZ	118,872	762	78	B	W4NI	1,280	32	20	A		45,504	316	72	A
WB2REM	61,280	383	80	A	K4CX	1,152	24	24	A	N2NQ	39,974	253	79	A
W4AMS	29,876	194	77	A	KB4SRN	418	19	11	A	WB4ZPF	34,128	237	72	A
W3WW	29,520	205	72	A	N4DTF	18	3	3	A	AE4CJ	33,136	218	76	A
W4GKA	16,120	130	62	A	KD4YDD	16,500	150	55	Q	NR4C	28,476	226	63	A
K4MF	12,376	119	52	A	N4ZZ	265,920	1,662	80	U	KA4GFY	26,666	199	67	A
KI4UZI	2,924	43	34	A	AB4GG	199,040	1,244	80	U	AA4KD	23,912	196	61	A
N4LF	2,132	41	26	A	K1GU	107,200	670	80	U	K4FTO	23,562	187	63	A
KW4G	714	21	17	A	K4EDI	100,308	643	78	U	N1QEQ	23,040	180	64	A
K5TVT	72	6	6	A	N5WR	92,480	578	80	U	W4XR	21,798	173	63	A
NA4CW	52,104	334	78	Q	N4DW	51,636	331	78	U	KZ1A	20,592	132	78	A
K4JC	18,000	150	60	Q	W4PHS	47,250	315	75	U	N4JED	15,694	133	59	A

**Tennessee**

WO4O	126,828	813	78	B	KE4KMG	42,150	281	75	U	W4IOW	12,450	83	75	A
W4PV	87,164	566	77	B	K4BP (+ KD4HIK, KA4JPB, N5WR)	208,480	1,303	80	M	KB4AZX	12,204	113	54	A
AD4EB	47,450	325	73	B	KM9P (W4NZ & K0EJ, ops)	191,180	1,210	79	M	AI4SV	11,322	111	51	A
WD8RYC	7,688	62	62	B	N4FR (KF4BBH & W4GHD, ops)	47,558	301	79	M	WA4EUL	10,908	101	54	A
W4OGG	1,500	30	25	B						W4AU	10,388	106	49	A
K4BGV	260	13	10	B						K4ZW	10,200	102	50	A
NA4K	176,320	1,102	80	A						W4VG	9,568	92	52	A
N2WN	78,210	495	79	A						K4TOJ	7,544	82	46	A
K4LTA	56,392	371	76	A						KC4QYG	6,992	92	38	A
WF7T	42,042	273	77	A						AK4MT	5,984	88	34	A
W4DAN	33,120	230	72	A						K4YND	4,588	62	37	A
KS4X	29,704	188	79	A						WV4V	4,158	63	33	A
KF7CG	27,968	184	76	A						N4RA	3,944	58	34	A
NY4JB	23,920	184	65	A						N3TG	3,420	57	30	A
W4UT	23,700	158	75	A						K2SSB	3,312	46	36	A
W4PGM	21,600	150	72	A						W0JTC	2,914	47	31	A
K4OMG	17,250	125	69	A						K3MZ	2,408	43	28	A
K4CWA	14,884	122	61	A						W4EON	1,404	27	26	A
										W4KLS	850	25	17	A

**Virginia**

NN3W (@ N4RV)	293,920	1,837	80	B										
K0DQ	179,872	1,168	77	B										
K4EU	108,546	687	79	B										
N3JT	38,502	279	69	B										
KI4TXP	37,148	251	74	B										
N4UA	31,824	221	72	B										
W2YE	29,376	216	68	B										
K4RT	29,346	201	73	B										
W8IVF	21,010	191	55	B										
N2YO	14,520	165	44	B										



KG4WOJ	832	26	16	A
NQ4K	600	20	15	A
W1ATA	572	22	13	A
KI4AMD	390	15	13	A
WB2SAI	364	14	13	A
K1KAV	176	11	8	A
K4WY	14,490	115	63	Q
KA3EHL	6,084	78	39	Q
KA4RRU	1,976	38	26	Q
K7RLL	630	21	15	Q
AC6WI	72	6	6	Q
W4NF	230,880	1,443	80	U
KG4W	139,040	869	80	U
K4RG	139,040	869	80	U
N4FX	124,480	778	80	U
N3MK	112,728	732	77	U
K4SO	85,280	533	80	U
K9PJ	72,480	453	80	U
N4MM	59,360	371	80	U
N4VA	56,088	369	76	U
N3BM	54,240	339	80	U
W4VX	54,132	347	78	U
W4JAM	53,878	341	79	U
N4JOW	52,640	329	80	U
N4DJ	51,040	319	80	U
N4NW	47,520	297	80	U
K5VIP	46,080	288	80	U
K4MIL	44,240	280	79	U
N4KIT	41,440	259	80	U
N4DWK	40,606	257	79	U
NW4V	39,840	249	80	U
AJ3G	39,026	247	79	U
N2QT	33,228	213	78	U
N3UA	32,060	229	70	U
W3YY	31,570	205	77	U
W8VZM	15,640	115	68	U
KU8V	10,200	75	68	U
W4VIC	7,050	75	47	U
W4MYA (+ KI4UDF)				
	220,640	1,379	80	M
K4TS (K4GMH & W4IM, ops)				
	210,720	1,317	80	M

NW3R (NH7C, op)				
	178,080	1,113	80	M
W0NA (W4GOV, op)				
	158,158	1,001	79	M
N2XQM (+ K1KO, KN4KL, KE4AZL)				
	114,560	716	80	M
NB2T	106,720	667	80	M
W4HZ (+ KJ4IPF, AI4CM, KJ4IT)				
	81,528	516	79	M
W4UVA (WF7I, KJ4IEA, KI4LGE, ops)				
	44,304	312	71	S

**US Virgin Islands**

WP2Z (K8MJZ, op)				
	199,212	1,277	78	B
KG4EM	10,494	99	53	A
NP2B	228,468	1,446	79	M

**West Central Florida**

K5KG	241,280	1,508	80	B
K1TO	101,440	634	80	B
W4LT	178,080	1,113	80	A
K1KNQ	71,100	450	79	A
WD4AHZ	51,072	336	76	A
N9CM	39,064	257	76	A
NX4N	15,840	144	55	A
N4TB	11,872	106	56	A
KW4FL	6,068	74	41	A
AI2S	4,366	59	37	A
N2EGO	1,188	33	18	A
W4EIB	40	5	4	A
K4LQ	16,350	109	75	U
K4EJ	12,412	107	58	U
W4GAC (KG4PMC, KJ4VEM, KP2N, KR4U, N2ESP, N4NHO, N4RI, NY4I, WB2SUN, W4CU, W4NHQ, W4TSP, WA4EEZ, ops)				
	42,660	270	79	M
NG4L (+ KI4AX, KJ4YDI, W1COG, ops)				
	23,364	177	66	M
KB4VC	1,352	26	26	M

**5****Arkansas**

K5QNK	32,760	234	70	A
KJ5FA	29,536	208	71	A

N5RN	19,118	121	79	A
KD5AR	14,832	103	72	A
NO5F	10,192	104	49	A
K5DCT	160	10	8	A
W3TZ	87,680	548	80	U
WB0RUR	30,816	214	72	U
W5JJ (W5OX & K5DB, ops)				
	168,000	1,050	80	M
AB5GG (+ WF5X)				
	65,096	412	79	M
WD5R (+ N5ECT)				
	21,240	177	60	M

**Louisiana**

N8OO	253,440	1,584	80	B
W5WMU	245,440	1,534	80	B
K5ENS	148,994	943	79	B
W5WZ	91,350	609	75	B
N5YE	55,692	357	78	A
KC5H	46,200	308	75	A
NX8G/5	23,660	182	65	A
AD5VC	2,808	52	27	A
ND5L	162	9	9	A
KC5WA	26,220	190	69	Q
W5RU (KN5O, K1DW, KC5R, N5HZ, W5KB, AE5MW, ops)				
	269,760	1,686	80	M
AE5T (N5OZB, op)				
	186,400	1,165	80	M
KG5VK (+ N5VU, KA5M, K5SL, K5ER, N5GP, K5TFH)				
	180,000	1,125	80	M
K5LSU (AD5VC & KJ4ZFR, ops)				
	1,610	35	23	S

**Mississippi**

AG5Z	63,360	396	80	B
N4OGW	50,224	344	73	B
WQ5L	79,040	494	80	A
K5TV	36,960	240	77	A
KL5Z	34,840	260	67	A
KJ5RC	13,338	117	57	A
KE5RHM	8,272	88	47	A
WD5JNC	7,708	82	47	A

KD5WCR 264 12 11 A  
AE5OL 70 5 7 A

**New Mexico**

N2IC 333,920 2,087 80 B  
K5TA 262,560 1,641 80 B  
N2UT (AA5B, op)  
131,040 819 80 B  
K7IA 59,792 404 74 B  
KE1R 4,104 54 38 B  
N5ZGT 56,056 364 77 A  
K1HG 20,280 156 65 A  
WW5Q 20,064 152 66 A  
NF5Y 15,470 119 65 A  
N9WL 14,514 123 59 A  
N3MRA 8,624 98 44 A  
WA5J 1,254 33 19 A  
KB7PVU 338 13 13 A  
K5PAX 50 5 5 A  
N7LR 3,968 62 32 Q  
WA5ZUP 221,200 1,400 79 U  
KK6MC 66,044 418 79 U  
K5TQ 11,760 105 56 U  
N7KA (+ AA5B)  
173,120 1,082 80 M  
KK5OV (+ KB5ZSK)  
23,892 181 66 M

**North Texas**

W5WW 235,894 1,493 79 B  
AD5XD 107,952 692 78 B  
KE1RR 20,160 160 63 B  
KD5LNO 68,068 442 77 A  
KB5YLG 64,480 403 80 A  
WA8ZBT 46,340 331 70 A  
WB5KIA 41,884 283 74 A  
K7RB 38,640 276 70 A  
W8FN 22,680 180 63 A  
AE5P 19,456 152 64 A  
AC5T 17,400 150 58 A  
K5QR 17,360 155 56 A  
W2NYU (AE5NO, op)  
16,472 142 58 A

K5LKR 16,188 142 57 A  
KB6OJE 10,368 96 54 A  
AD5LU 1,932 42 23 A  
WA5RML 2,576 56 23 Q  
WB0TEV 84,960 531 80 U  
N1CC 84,800 530 80 U  
N5JB 83,680 523 80 U  
KZ5A 38,480 260 74 U  
N5KM 12,482 79 79 U  
K5MBA 70 7 5 U  
WC5C (K5ANR, KE5SCG, N5GMJ, N5WLA,  
ops)  
83,930 545 77 M  
NT5HS (N0RQ, op)  
12,740 98 65 S

**Oklahoma**

K5LAD 48,664 316 77 B  
N5UWY 79,002 513 77 A  
W5GFI 76,692 498 77 A  
AE5MT 44,688 294 76 A  
N5DY 25,594 191 67 A  
N5UM 19,706 167 59 A  
KF5DNW 15,120 135 56 A  
AE5MM 12,800 128 50 A  
WA9AFM/5 9,984 96 52 A  
KE5FRH 1,656 36 23 A  
AF5Q 42,328 286 74 U  
K5CM (+ W5CW)  
230,522 1,459 79 M  
KB0HH (+KD0MGD, K5TDN, KC5DPT,  
WD0GTY)  
124,160 776 80 M  
K5USA 14,000 140 50 S

**South Texas**

NR5M 332,320 2,077 80 B  
K5TR 312,000 1,950 80 B  
K5NA (WM5R, op)  
267,494 1,694 79 B  
KI5JF 24,048 167 72 B  
W5XD 11,872 112 53 B  
K3TD 61,152 392 78 A  
WA5AR (K5PBR, op)  
46,718 329 71 A

W5ZL 38,376 246 78 A  
KE5LQ 27,232 184 74 A  
KD5MMM 24,978 181 69 A  
W5ESE 24,278 199 61 A  
W5EB 2,944 46 32 A  
N3BB 2,052 38 27 A  
N5DTT 1,820 35 26 A  
WA5AU 476 17 14 A  
AE5GT 38,160 265 72 Q  
W5ASP 91,884 589 78 U  
W5RQ 61,440 384 80 U  
K5MV 42,032 284 74 U  
KK5LO 36,800 230 80 U  
N5KAE 34,880 218 80 U  
N5SV 29,016 186 78 U  
K5IX 25,440 159 80 U  
NX5M (N5XJ & KU5B, ops)  
194,240 1,214 80 M

**West Texas**

N5RZ 185,920 1,162 80 B  
KF5HHD 55,720 398 70 B  
K5BZH 41,344 272 76 A  
N5LUL 22,244 166 67 A  
K2KR (+ KC0INX & KC0MOM)  
123,396 791 78 M  
KS5Z (+ KB5DUZ)  
102,720 642 80 M  
N5ZMP (+ N5XXD)  
15,232 112 68 M

**6****East Bay**

N6BV 258,080 1,613 80 B  
N6GQ 228,960 1,431 80 B  
K6AAX 51,040 319 80 B  
NO6X 32,776 241 68 B  
N6GEO 14,560 130 56 B  
N6AJR 13,728 143 48 B  
N6BY 4,588 62 37 B  
KD6WKY 40,392 297 68 A  
AE6C 20,088 162 62 A  
AF6PU 16,470 135 61 A

K2GMY	15,544	134	58	A
WU6W	13,416	129	52	A
K6BIR	11,554	109	53	A
KS6M	10,192	104	49	A
K6JRA	4,896	72	34	A
N6BHX	3,060	51	30	A
W6DW (WA6HCW, op)				
	1,426	31	23	A
KE6IUE	756	21	18	A
N6WM (@ K6LRG)				
	181,760	1,136	80	U
K6EZ (AD6E, op)				
	128,640	804	80	U
N6RO	80,580	510	79	U
KE6QR	63,450	423	75	U
K6JEB	62,400	400	78	U
W6RGG	52,682	371	71	U
W6ONV	51,150	341	75	U
NS6T	43,248	318	68	U
N6BM	35,642	251	71	U
W6ATV	18,542	127	73	U
KG6C (@ K6LRG)				
	17,898	157	57	U
WB6BET	11,220	102	55	U
WV6I (N6WM, op)				
	4,234	73	29	U

**Los Angeles**

W6AFA	70,224	456	77	B
N5BF	12,126	129	47	B
N6AA	4,968	69	36	B
W4EF	2,698	71	19	B
N6TCZ	1,856	32	29	B
W6AQ	42,336	294	72	A
K7MDH	27,186	197	69	A
K6TV	21,450	143	75	A
NK6A	17,228	146	59	A
K6MUG	15,008	134	56	A
W6IEE	14,152	122	58	A
K6DSW	4,484	59	38	A
AE6XC	3,744	52	36	A

N6MDV	112	8	7	A
N6QQ	92,960	581	80	U
W6KC	60,480	378	80	U
KT6VV	39,576	291	68	U
AI6Z	1,368	36	19	U
NV6C (KJ6NO, W6ELI, W6CKG, ops)				
	15,930	135	59	M

**Orange**

AA6PW	181,600	1,135	80	B
WA6KHK	120,800	755	80	B
K6HRT	62,410	395	79	B
W6TAI	61,620	395	78	B
N6WIN	58,078	409	71	B
WA6GFR	6,300	75	42	A
K6GEP	1,458	27	27	A
W6SJ	2	1	1	Q
N6HC	138,880	868	80	U
KF6I	62,080	388	80	U
KI6WD (+ N6QYQ, KJ6DTM, KJ6DTL @ K6NFF)				
	12,636	117	54	M
N6BOX (+ K6BOX)				
	950	25	19	M

**Pacific**

KH6LC (NH6V, op)				
	79,948	506	79	Q
KH7Y (KB7Q, op)				
	227,200	1,420	80	U
KH6MB (+ WH6R & W0CN)				
	215,040	1,344	80	M

**Santa Barbara**

W7CB	36,652	238	77	B
WA6FGV	95,160	610	78	A
W6MY	11,440	110	52	A
N6ZE	8,364	102	41	A
WA2OOB	5,160	60	43	A
W6TK	122,880	768	80	U
KI6QDH (+ KA3DRR)				
	47,550	317	75	M
K6SB (KF6KQL, N6TVS, W6GL, ops)				
	40,560	260	78	M

W6K (WQ6X + ops)				
	16,188	142	57	M
W6RFU (W0OOT, AC6T, KG6K, ops)				
	68,016	436	78	S

**Santa Clara Valley**

K6XX	218,240	1,364	80	B
AE6Y	178,880	1,118	80	B
N6TV	160,054	1,013	79	B
K6YT (W0YK, op)				
	105,644	686	77	B
NU6S	74,740	505	74	B
W6NL	45,952	359	64	B
K6XN	38,880	270	72	B
N5KO	26,532	201	66	B
AJ6V	22,814	187	61	B
KJ6AGX	570	19	15	B
N3FAW	144	8	9	B
N6NF	64,192	472	68	A
WB0AJS	13,936	134	52	A
KI6ZHD	11,500	115	50	A
K6GHA	8,800	88	50	A
KG6YPH	2,784	48	29	A
KA6MAL	2,726	47	29	A
N6BCT	2,288	44	26	A
K6OY	1,104	69	8	A
NY6U	30	5	3	A
K6KQV	2	1	1	A
K6OO	47,880	315	76	Q
KM6I	164,320	1,027	80	U
W6BX (K9YC, op)				
	128,640	804	80	U
NI6T	118,240	739	80	U
K6TU	110,080	688	80	U
K6GT	100,800	630	80	U
AD6Z	91,956	582	79	U
K6MM	91,168	592	77	U
K9YC	85,350	569	75	U
W6OAT	81,686	517	79	U
K6VVA	80,652	517	78	U
N6TU	78,210	495	79	U

K6RM	75,348	483	78	U	WB6NJA	9,660	69	70	A	N6EE	132,480	828	80	U
AK6M (K6MM, op)					AA6EE	8,272	88	47	A	K6CDJ (W6XK, op)				
	69,280	433	80	U	N6VH	18,172	154	59	U		47,728	314	76	U
AE6RF	63,200	400	79	U	W6KY	16,390	149	55	U	AF6EV	34,362	249	69	U
W6FB	61,292	398	77	U	W6YI (+ K6AM, N6MJ, N6KI)					N2NS	28,944	216	67	U
N6MEF	59,200	400	74	U		329,760	2,061	80	M	AA6GZ	28,368	197	72	U
KF6A	58,144	368	79	U	NX6T (N6KI, WB6NBU, N6CY, K6KAL, AF6WF, KD6HYN, W2PWS, ops)					W6DPD	26,064	181	72	U
K6RB	54,670	355	77	U						K6LE	4,104	54	38	U
WA6O (@ K6TD)						116,960	731	80	M	AF6JP (+ KJ6FTP)				
	54,576	379	72	U							14,382	141	51	M
K2RD	45,708	293	78	U	<b>San Francisco</b>									
NR6S	43,654	299	73	U	K6CTA	35,052	254	69	B	<b>Sacramento Valley</b>				
AF6T (K6TU, op @ K6TD)					N6ZFO	106,392	682	78	A	N6RK	162,080	1,013	80	B
	43,248	318	68	U	AA6YX	75,614	491	77	A	K6XV	101,536	668	76	B
K6EU	33,086	233	71	U	N6YEU	74,382	483	77	A	K9JM	85,280	533	80	B
AD6E	29,492	202	73	U	W6JTI	37,100	265	70	A	K6LRN	49,588	322	77	B
K6YRU	26,910	207	65	U	AE6YB	28,080	234	60	A	N6IG	36,660	282	65	B
N6RC	18,392	121	76	U	KL1WE/W6	18,590	143	65	A	W6FA	7,008	73	48	B
N6NUL	18,300	150	61	U	KI6ORO	10,396	113	46	A	K6RC	40,460	289	70	A
W6TQG	15,456	138	56	U	AG6V	966	23	21	A	KQ6X	17,556	154	57	A
K6GN (K6RM, op)					KE6JIS	18	3	3	A	WD6AHV	16,302	143	57	A
	12,528	116	54	U	W6XU	194,720	1,217	80	U	KI6GVM	16,284	138	59	A
N6CK	12,342	121	51	U	K6RIM	147,520	922	80	U	AF6OP	12,412	107	58	A
N6MW	11,552	76	76	U	K3FIV	72,224	488	74	U	N6FC	11,628	102	57	A
K6WC (AE6RF, op)					K6JS	65,450	425	77	U	N6DZR	7,826	91	43	A
	5,382	69	39	U	KE6WC (+ KE6WC)					NC6U	6,320	79	40	A
K6JK	3,192	57	28	U		23,436	189	62	M	ND6S	200	10	10	A
N6EWS (@ W6YX)					<b>San Joaquin Valley</b>					W6MIL (N6WR, op)				
	2,244	66	17	U	WC6H	282,662	1,789	79	B		4,550	65	35	Q
N6DQ	1,470	35	21	U	K6SV	188,960	1,181	80	B	KF6T	207,200	1,295	80	U
K6WV	1,254	33	19	U	W6SX	69,840	485	72	B	N6DE (@ K6IDX)				
K6SU (N6CCH, K6YRU, N6EWS, K2YY, ops @W6YX)					WA6ZTY	61,824	448	69	B		159,040	994	80	U
	172,220	1,090	79	M	N6BU	49,296	316	78	B	W6RK	157,440	984	80	U
KE1B (+ KE1BYL)					NA6G	6,440	70	46	B	W1RH	151,838	961	79	U
	141,440	884	80	M	K6YV	400	20	10	B	NU6T (@ W6SR)				
W6YX (AA6XV & N7MH, ops)					NF6P	62,780	430	73	A		114,392	724	79	U
	224,640	1,404	80	S	AA6K	47,880	315	76	A	K6ST	87,204	559	78	U
<b>San Diego</b>					N6YMM	44,238	303	73	A	WX6V	80,264	508	79	U
NN3V	81,468	558	73	A	NZ6Q	19,592	158	62	A	WE6Z	72,300	482	75	U
W6NWF	19,560	163	60	A	K6CSL	8,160	85	48	A	K6JJ	53,100	354	75	U
					K6MI	4,060	58	35	Q	K6DGW	50,008	329	76	U
					N6NZ	155,532	997	78	U					

W6SR (WX6V, op)				KT7AZ	14,112	112	63	A	K7JAN	9,540	106	45	A	
	49,650	331	75	U	KY7K	12,546	123	51	A	N7WH	9,520	68	70	A
WB6JJJ	49,280	320	77	U	K7DD	11,956	98	61	A	W7ZRC	7,566	97	39	A
N6DW	43,650	291	75	U	K6TUJ	7,290	81	45	A	KO7P	4,240	53	40	A
K6NV	40,382	331	61	U	W7AAA	5,160	60	43	A	WB7CYO	480	16	15	Q
W6RKC	34,914	253	69	U	N7MAL	2,726	47	29	A	K7TQ	39,168	288	68	U
K7DX (NU6T, op)					W7YS	2,668	46	29	A	WM7DX	29,614	221	67	U
	27,032	218	62	U	KK7EL	4,770	53	45	Q	N7PI (K0IP, W6GX, ND7O, AD7UI, KO7P, ops)				
K6III	23,310	185	63	U	K6LL	196,960	1,231	80	U		123,398	781	79	M
K6VAR	19,520	160	61	U	K7HP	109,178	691	79	U					
KC6MMU	12,900	129	50	U	K7LY	93,378	591	79	U					
K3EST	10,064	74	68	U	KE7YF	41,496	273	76	U					
NC6RJ	1,140	30	19	U	K7FA	18,720	144	65	U	<b>Montana</b>				
AI6YL (+ AI6V)					WU9B	11,858	77	77	U	KI7MT	181,760	1,136	80	B
	3,430	49	35	M	KY7M	7,488	78	48	U	N9RV	133,006	911	73	B
					KE7DX	4,968	54	46	U	N3RC	74,536	484	77	B
					NI7R	1,512	27	28	U	K7BG	73,050	487	75	A
					KK7YL	242	11	11	U	AE7AP	32,160	240	67	A
					NA2U	50	5	5	U	AD7MQ	22,932	182	63	A
					K7RDG (AA7RH, KD7OED, KF7IYQ, NJ7C, W7OL, ops)					KE4NU	18,056	148	61	A
						14,250	125	57	M	KE7VUX	17,792	139	64	A
<b>Alaska</b>										AA7MT	6,050	55	55	A
KL7RA (AL7IF, op)										N7MSI	736	23	16	A
	240,002	1,519	79	B						KS7T (+ AB5ZA/7)				
AL1G	85,768	604	71	B	<b>Eastern Washington</b>						90,168	578	78	M
NL7V	40,650	271	75	B	WD7K	45,114	309	73	B					
WL7UQ	3,500	50	35	A	K7EKM	122,664	807	76	A	<b>Nevada</b>				
KL2HD	2,592	48	27	A	WS7V	44,700	298	75	A	N7TR	141,920	887	80	B
KL7P	2,100	42	25	A	W7CCY	37,324	301	62	A	K7XC	139,840	874	80	B
KL7PK	392	14	14	A	WA0WWW	26,136	198	66	A	K7DNH	24,480	180	68	B
AL9A	131,362	853	77	U	KC7H	7,896	94	42	A	K6LON	9,016	92	49	B
KL7AC	26,000	200	65	U	WS7I	7,320	61	60	A	KC4SW	2,552	44	29	B
KL2R (N1TX, KL1JP, WL7BDO, KL6C, ops)					AA7RT	6,840	60	57	A	KS6A	37,630	265	71	A
	38,808	308	63	M	K7IR (+ WA7IR, K7XS, K7EDX, N9ADG)					W0HJW	29,670	215	69	A
KL7AIR (NL7WW, KL7YK, NL7W, NL3D, KL3EE, ops)						250,400	1,565	80	M	KE7UQL	5,200	65	40	A
	37,888	296	64	M	WX7P (+ N2HS, K7HPT, KB7HDX)					KF7AMY	8	2	2	A
						129,440	809	80	M	W7RN (KZ2V, op)				
											196,640	1,229	80	U
<b>Arizona</b>					<b>Idaho</b>					K7VC	46,360	305	76	U
KO7AA	147,592	971	76	B	K0TO	188,000	1,175	80	B	W6NF	30,096	209	72	U
KE2VB	36,708	266	69	B	W7EKG	2,072	37	28	B	K7MKL	23,288	164	71	U
N7JXS	8,742	93	47	B	KK7X	29,252	206	71	A					
W7ZR	156,800	980	80	A	KB7QOA	15,792	141	56	A	<b>Oregon</b>				
WA0KDS	149,942	949	79	A	KG7WZ	11,600	100	58	A	KI7Y	18,178	149	61	B
K9WZB	132,800	830	80	A										
KN5H	21,352	157	68	A										
AC7JM	19,764	162	61	A										
KE7GRL	14,820	130	57	A										

KK7CG	200	10	10	B	N7VM	17,544	129	68	U	W7PT	17,808	159	56	Q
W7YAQ	126,880	793	80	A	N4RRL	1,512	28	27	U	K7HBN	15,080	130	58	Q
N7VS	23,010	177	65	A	W7IVM (KE7IK & AC7II, ops)					K7JNA	336	14	12	Q
KA6T	19,116	162	59	A		2,262	39	29	M	K6KR	4,290	55	39	U
KE7AUB	16,226	133	61	A						K7EG	3,600	45	40	U
K6UM	16,128	144	56	A						W7DK (WG7X, WT7N, N7DOE, N7OMS, KR7W, ops)				
N7NSL	9,568	104	46	A	<b>Western Washington</b>						88,322	559	79	M
W7YVK	8,772	86	51	A	K7RL	338,080	2,113	80	B					
W7JDE	6,720	60	56	A	W7WA	324,960	2,031	80	B					
N6TR	6,660	90	37	A	W7GKF	93,632	608	77	B					
KF7MAX	4,368	52	42	A	W7PU (N7DOE, op)					<b>Wyoming</b>				
KE7NVA	3,888	54	36	A		79,424	544	73	B	N7IX	31,284	237	66	B
W6ABM	3,456	54	32	A	WA7PRC	47,736	351	68	B	K7VU	150,100	950	79	A
WA5ZTD	260	13	10	A	KW7XX	35,510	265	67	B	N7MZW	84,000	560	75	A
N7JI	2,916	54	27	Q	NG7Z	25,326	201	63	B	KB7QOS	48,032	304	79	A
K7ZSD	269,280	1,684	80	U	N7QS	19,824	168	59	B	WB6RAB	5,070	65	39	A
NX1P	72,072	462	78	U	N7WA	15,750	175	45	B	KS7WY	72	6	6	A
K7VIT	17,516	151	58	U	W7SY	11,780	95	62	B	N7QAX	19,968	128	78	U
NK7U (+ K7ZO)					W7LKG	10,368	72	72	B	WY7SS	272,320	1,702	80	M
	282,080	1,764	80	M	KE7SW	6,624	72	46	B	KO7X (+ KD7RQU)				
NK7J (+ W7SMF)					N7LOX	77,308	502	77	A		106,720	667	80	M
	121,280	758	80	M	K7SS	72,072	462	78	A					
W7TVC (WS7L, W6ABM, K7HLH, N7BF, W8NF, KD7VIK, ops)					WB7FJG	30,418	227	67	A	<b>8</b>				
	38,400	256	75	M	KD7RUS	26,004	197	66	A					
KX7YT (KX7YT & N7AAM, ops)					WI7F	21,172	158	67	A	<b>Michigan</b>				
	18,600	150	62	M	KE7WTM	16,954	173	49	A	K8AO	168,792	1,082	78	B
NH6Z	9,270	103	45	M	KE7LOQ	15,210	117	65	A	W8VCK	84,960	531	80	B
					W7QN	12,690	135	47	A	N8SS	34,336	296	58	B
<b>Utah</b>					AD7XV	11,440	110	52	A	N8UY	8,448	96	44	B
NN7ZZ (N5LZ, op)					W8BFX	10,290	105	49	A	KD8KTN	1,404	27	26	B
	163,680	1,023	80	B	AC7JY	9,464	91	52	A	WZ8T	84,800	530	80	A
KF7P	80,184	514	78	B	KB7KYK	8,272	94	44	A	KE8FO	69,204	438	79	A
NG7M	33,152	259	64	B	KD7YDL	6,336	72	44	A	N8BB	64,640	404	80	A
WA7LNW	39,270	357	55	A	K7ZG	5,254	71	37	A	WA1UJU	63,024	404	78	A
WA7YAZ	20,034	159	63	A	KF7DMY	4,680	60	39	A	N8HKU	41,292	279	74	A
N7BAN	8,178	87	47	A	KB7STO	2,842	49	29	A	K8SSB	39,760	280	71	A
KF7ZZ	680	20	17	A	KC7WDL	1,240	31	20	A	WA8FRE	34,336	232	74	A
KD7SWL	476	17	14	A	KC7MIQ	476	17	14	A	KB8TWM	30,500	250	61	A
W7CT	32	4	4	A	AI9Q	180	10	9	A	KC8CAJ	28,968	204	71	A
N1XIH/7	9,200	92	50	Q	NN7SS (K6UFO, op)					KD8CAO	28,650	191	75	A
KZ7O	850	25	17	Q		70,350	469	75	Q	N8GUZ	18,744	132	71	A
					WA7PVE	26,520	204	65	Q	N8WAV	18,178	149	61	A
										K8RDJ	17,160	143	60	A
										W8EO	16,958	139	61	A
										WK8A	16,632	108	77	A
										KE8UM	15,694	133	59	A

W8ERV	15,340	118	65	A	WC5B (+ KD8FQB)					KC8QHT	10,300	103	50	A
AC8AC	14,514	123	59	A		12,644	109	58	M	KJ0EYT	9,600	96	50	A
K8GVK	13,452	118	57	A	KD8LNM (+ KB8QFJ)					N8HP	9,322	79	59	A
N8EN	12,544	112	56	A		1,276	29	22	M	KQ1X	9,118	97	47	A
N8MRC	12,408	132	47	A	W8SH (WB8LZG, KB8ZGL, KC8YAK, AB8VN, KE7ESD, K8MAS, ops)					W8HH	9,118	97	47	A
N8AE	11,880	99	60	A		35,400	236	75	S	KD8FDK	5,822	71	41	A
WA8FRD	10,764	117	46	A	<b>Ohio</b>					KC8HQS	4,810	65	37	A
N8RWK	10,504	101	52	A	WD8EOL	109,760	686	80	B	N8QL	1,452	33	22	A
K8KZB	9,964	106	47	A	AA8BV	40,296	292	69	B	N9AUG	1,344	32	21	A
NB8Q	8,850	75	59	A	WN8R	29,116	251	58	B	KD8RIC	1,276	29	22	A
KD8NVU	8,832	92	48	A	N8IVE	28,440	180	79	B	W8WTS	840	28	15	A
N8ZFH	8,652	103	42	A	W8HMK	24,424	172	71	B	KB8VJL	0	0	1	A
W8PDI	8,360	95	44	A	K8QF	9,024	94	48	B	KW8N	267,520	1,672	80	U
KB8MUP	8,280	90	46	A	K8BL	161,920	1,012	80	A	ND8L	94,400	590	80	U
NF8M	8,190	91	45	A	W8TM	99,040	619	80	A	N8TR	65,760	411	80	U
N8ZSA	7,776	81	48	A	K1OU	81,054	513	79	A	AA8IA	47,728	314	76	U
KA8KGW	7,480	85	44	A	KB8UUZ	77,280	483	80	A	W8KEN	38,720	242	80	U
N8SBE	7,200	80	45	A	K9NW	72,534	471	77	A	KF8UN	11,220	102	55	U
WB8MIW	6,642	81	41	A	N8BV	60,198	381	79	A	W1DMC	10,512	73	72	U
W8FEM	6,254	59	53	A	WS6K	49,140	315	78	A	N8KOJ	7,752	68	57	U
KD8KEN	4,900	50	49	A	N8OQQ	48,822	309	79	A	W8EH	420	15	14	U
WA8AEN	4,440	60	37	A	W8LGX	47,112	302	78	A	N8HR (K8EM, KC8BEW, NY8P, N8VV, WX8J, N8VW, WZ8P, ops)	265,920	1,662	80	M
KD8DX	4,148	61	34	A	K8GDT	34,128	216	79	A	W8BI (KB8UEY, KD8HSV, KC8OKW, KD8NHH, WD8AAU, KA8OQF, ops)	87,840	549	80	M
N5ASU	3,936	48	41	A	N8PPF	33,184	244	68	A	KC8IMB (+ KC8ODA & KC8ODB)	80,580	510	79	M
KT8K	46,800	325	72	Q	KA8SBI	28,258	199	71	A	AA8HH (+ K8DV)	29,440	184	80	M
K8SB	2	1	1	Q	N2OPW	28,116	198	71	A	K8SCH (K4BRI, KB8MYC, KD8ASL, WB4SUV, KJ4VCV, KG8AP, KC8ZLF, KC8VQU AC4XS, WD8IDJ, N8YC, ops)	14,600	100	73	M
W8MJ	258,560	1,616	80	U	K8VUS	22,272	174	64	A	W8COM (+ KC8RSA)	5,200	65	40	M
KG8CW	109,120	682	80	U	AF8C	21,248	166	64	A	W8LKY (KD8MQ & K8SRR, ops)	2,120	53	20	M
K8KHZ	67,548	433	78	U	W8IDM	20,860	149	70	A	<b>West Virginia</b>				
N6FS	45,600	285	80	U	KJ8F	18,760	140	67	A	N8II	200,640	1,254	80	B
K8THU	37,920	237	80	U	WA8YVF	17,822	133	67	A	K3ZJ	155,840	975	80	B
WD8S	29,100	194	75	U	K8IYO	15,996	129	62	A	KD8GKR	19,152	168	57	B
K8ZZU	25,440	159	80	U	WA8LOW	15,836	107	74	A	W8ZA	15,340	130	59	B
K8GT	17,446	143	61	U	W8PT	15,456	138	56	A					
K8EO (+ K8RO, N8REZ, N8PYN)	33,072	212	78	M	W8DHG	14,964	129	58	A					
W8DW (+ KD8MML)	27,430	211	65	M	KB8SHE	14,740	134	55	A					
W8ZHO (NA8M, KD8YL, K8EOD, WA8M, ops)	26,280	180	73	M	WM8W	14,592	128	57	A					
N8FE (+ K8UP)	15,540	111	70	M	AC8GI	13,440	120	56	A					
					W8KNO	13,362	131	51	A					
					K8ARL	12,726	101	63	A					

WB8EKG	13,872	102	68	A	W9WJ	12,138	119	51	A	AG3R	748	22	17	U
W3GEG	13,804	119	58	A	KC9IL	11,040	115	48	A	WD9CIR (+ N9SJ)				
W8IDW	5,580	62	45	A	K9JK	10,900	109	50	A	148,960	931	80	M	
KU1T	163,056	1,032	79	U	WB8BZK	10,506	103	51	A	W9YK (+ N0FCD & KC9OFE)				
N4ZR	64,944	451	72	U	KB9CYL	9,800	98	50	A	100,160	626	80	M	
W8OHT	55,950	373	75	U	WD9EJK	9,702	99	49	A	W9QL (+ KC9MPU, KC9GZB, N9NA)				
NW8U	61,778	391	79	M	N9PUZ	8,640	96	45	A	63,200	395	80	M	
					N9VPV	7,488	72	52	A	N9KK (K9WMS & K9PEG, ops)				
	<b>9</b>				K9FO	4,320	60	36	A	56,518	367	77	M	
					N9EVW	4,080	60	34	A	W9WLC (N9YH, KC9PJN, KC9PWF, N9IFG, ops)				
<b>Illinois</b>					WB9LPW	3,776	59	32	A	42,966	279	77	M	
K9CT	252,960	1,581	80	B	WB9EDL	1,768	34	26	A	N9UHF (K9TMS, K9HA, KC9LFP, KC9LWF, KC9PPU, W9LGP, ops)				
K9BGL	242,560	1,516	80	B	K9KM	1,600	40	20	A	27,594	189	73	M	
AB9H	83,600	550	76	B	KA9WPO	264	12	11	A	N9YN (N9IH, op)				
KX9DX	68,672	464	74	B	K9TMS	32	4	4	A	5,904	72	41	M	
KG9N	46,540	358	65	B	AI9K	13,250	125	53	Q	K9OZ (+ K9GAL)				
N9JZN	23,068	146	79	B	K9ZO	10,368	72	72	Q	1,968	41	24	M	
W9OO	14,744	97	76	B	KC9NJZ	6,248	71	44	Q	W9JWC (KC9QNC, KDOEKA, WX9JC, ops)				
N9LYE	82,680	530	78	A	N2BJ	246,560	1,541	80	U	39,340	281	70	S	
AA9RT	78,150	521	75	A	N9TF	92,588	586	79	U	N9UC (W09S, op)				
WR9L	77,920	487	80	A	N9IO	86,112	552	78	U	29,946	217	69	S	
N9AVY	65,440	409	80	A	K9OR	86,080	538	80	U					
WX9U	60,320	377	80	A	N9JF	66,720	417	80	U	<b>Indiana</b>				
K9JE	53,592	348	77	A	KM9M	66,300	425	78	U	WT9U	188,960	1,181	80	B
K9ADL	50,544	324	78	A	K9MMS	60,160	376	80	U	W9RE	123,714	783	79	B
N9REP	31,008	204	76	A	W9GIG	44,800	280	80	U	W9ELI (KJ9C, op)				
N9OK	28,810	215	67	A	W9YS	42,186	267	79	U	91,200	570	80	B	
KC9LQS	28,564	193	74	A	K9ZM	40,000	250	80	U	K9RM	63,364	434	73	B
KC9AMM	28,152	207	68	A	N9GH	37,288	236	79	U	NT9F	41,496	273	76	B
KA9MOM	26,134	179	73	A	K9GY	36,792	252	73	U	KR9E	37,752	242	78	B
W9GKA	23,040	192	60	A	NG9R	29,876	194	77	U	K0TQ	34,086	247	69	B
WQ9T	20,770	155	67	A	K3WA	26,270	185	71	U	K9WWT	33,320	238	70	B
W9MKS (KB9JHN, op)					W9TMW	17,400	116	75	U	N9FC	31,228	211	74	B
	20,286	161	63	A	AB9M	14,504	98	74	U	AJ9C	203,040	1,270	80	A
AK9F	19,886	163	61	A	N9LJY	11,550	77	75	U	KI9E	63,756	414	77	A
NV9X	19,722	173	57	A	KI9A	10,332	123	42	U	WB9YBI	45,396	291	78	A
W9EBK	17,582	149	59	A	K9PG	7,800	100	39	U	N7NGO	43,050	287	75	A
AI9T	16,958	139	61	A	N9MBR	6,364	74	43	U	W9LW	37,152	258	72	A
KC9QPM	16,302	143	57	A	KB9NW	3,100	50	31	U	K9MV	33,810	245	69	A
W9TTT	15,768	146	54	A	K9IJ	2,752	43	32	U	N9AX	31,200	195	80	A
KB9KAK	13,750	125	55	A	N9GUN	1,254	33	19	U	K9MI	27,690	213	65	A
KC9LIF	13,356	126	53	A										
AG9A	13,310	121	55	A										



K9IG	22,272	174	64	A	AF9T	14,224	127	56	A	N0WCH	10,700	107	50	A
KC9QOJ	21,912	166	66	A	KB9S	12,296	116	53	A	K0URN	10,272	107	48	A
K9NN	21,760	170	64	A	KA9VHG	11,536	103	56	A	W0OVM	9,964	106	47	A
N9IZ	21,580	166	65	A	KC9IVJ	10,752	112	48	A	K0LMD	4,300	43	50	A
WB9LRK	16,610	151	55	A	N9YKE	10,388	106	49	A	KX0L	3,240	54	30	A
KB9YGD	15,930	135	59	A	K0CD	9,118	97	47	A	K0KR	128	8	8	A
KB9ORH	13,090	119	55	A	K9WD	8,918	91	49	A	KD0KJL	70	7	5	A
K9SQL	12,688	122	52	A	K9LGU	8,858	103	43	A	KD0KQL	18	3	3	A
AB9WJ	11,484	99	58	A	K9XB	8,448	88	48	A	N0KE	56,248	356	79	Q
W9EEU	8,280	92	45	A	KC9NPZ	6,450	75	43	A	K0VK	10,584	108	49	Q
KV9W	8,064	84	48	A	KC9STV	2,640	40	33	A	KI0II	5,166	63	41	Q
KC9OYE	7,252	74	49	A	KC9GHQ	220	11	10	A	KA0B	242	11	11	Q
WD8DSB	3,822	49	39	A	N9NE	12,768	112	57	Q	W0DN	18	3	3	Q
W09H	644	23	14	A	AF9J	9,200	92	50	Q	N0TA	60,368	392	77	U
KE9I	226,560	1,416	80	U	N9GQ	4,224	66	32	Q	KF0LA	23,700	150	79	U
W9IU	110,240	689	80	U	WW9R	137,280	858	80	U	AD1C	10,302	101	51	U
N9WKW	65,760	411	80	U	NS9I	51,792	332	78	U	N8AJN	8,722	89	49	U
K9WX	52,960	331	80	U	KC9ECI	45,708	293	78	U	K0YQ	4,070	55	37	U
KK9V	46,208	304	76	U	W9XT	32,736	248	66	U	W0FRC (K0GIE, K0KMK, K0SU, ops)				
N9FN	41,600	260	80	U	NF9V	20,648	178	58	U		59,714	409	73	M
N9LF	16,900	130	65	U	AD9P	9,312	97	48	U	KD0BJT (+ KD0BJS)				
K9DUR	2,240	40	28	U	NE9U	2,968	53	28	U		30,672	216	71	M
N9VI (K8IAT, KB9YTT, K9ITC, N9OXO, KC8KXK, KC9RCX, N9BCP, KL2YD, ops)										N10O (+ KC0V)				
	53,600	335	80	M							27,974	197	71	M

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**Wisconsin**

WE9V	44,400	300	74	B
N9UY	34,020	243	70	B
K9VS	26,358	191	69	B
WD9IGY	8,400	100	42	B
N9CK	113,444	718	79	A
W9FZ	99,840	640	78	A
KB9OWD	83,700	558	75	A
K9KR	72,696	466	78	A
K9BTQ	63,648	408	78	A
K9ARF	30,652	194	79	A
K1TN	21,888	171	64	A
WB9IRF	19,456	128	76	A
WR9Y	19,116	162	59	A
AB9XI	19,116	162	59	A
WB9BWP	15,846	139	57	A

**Colorado**

N0QO	289,456	1,832	79	B
K0KE	185,176	1,173	79	B
WW0AL	149,280	933	80	B
WT9Q	53,690	414	65	B
NC0B	45,450	303	75	B
KV6O	32,868	249	66	B
W0ZU	18,432	128	72	B
K0XTR	14,892	146	51	B
N0KQ	2,300	50	23	B
W0ETT	78,526	497	79	A
N0POH	41,588	281	74	A
W0RAA	39,040	320	61	A
K0RI	36,806	239	77	A
N0GOS	23,808	192	62	A
N0RU	20,770	155	67	A
K0ANS	14,190	129	55	A
K0VXP	12,800	128	50	A

**Iowa**

W0IW	58,890	453	65	B
N0GZ	35,816	242	74	B
W0PPF	14,732	127	58	B
NT0F	58,812	377	78	A
WB0LJK	36,432	264	69	A
K0ACP	24,424	172	71	A
N0HD	23,288	164	71	A
KD0JHW	6,708	78	43	A
N0NOU	1,768	34	26	Q
N0XR (@ N0NI)				
	243,162	1,539	79	U
W0YV	151,838	961	79	U
NU0Q	18,432	128	72	U
N0MA (W7II, W0IY, N0LNO, KC0SKM, KX9Y, ops)				
	98,400	615	80	M

K9FRT (KC9UMR & KC0HBM, ops)  
22,050 147 75 M

**Kansas**

K0RH 184,000 1,151 80 B  
K0VXU 121,836 781 78 B  
N0NB 73,632 472 78 A  
K0VBU 35,424 246 72 A  
K0HNC 25,806 187 69 A  
W0YJT 25,620 210 61 A  
KC0GL 17,050 155 55 A  
WY0I 15,950 145 55 A  
KR0L 12,954 127 51 A  
K0BJ 3,782 61 31 A  
NY0T 3,600 50 36 A  
AC0SX 1,924 37 26 A  
N0JK 1,426 31 23 A  
KB0UKW 352 16 11 A  
N0LZ 338 13 13 A  
KC0FUE 308 14 11 A  
W0CEM 105,860 670 79 U  
KE0MD 27,792 193 72 U  
K0FJ 22,862 161 71 U  
W0NO (+ AB0S, K0WA, AB0TX)  
297,040 1,880 79 M  
K0JJM (+ KC0IUY)  
41,118 267 77 M  
KA0BHO (+ KA0BAT)  
9,200 100 46 M  
K0HC (W0BH, K0WHY + ops)  
223,520 1,397 80 S  
K0KU (KC0QIL, KC0BS, KU0DM, ops)  
5,920 80 37 S

**Minnesota**

K0BUD 91,760 620 74 B  
NE0U 61,560 405 76 B  
K0JJR 61,462 389 79 B  
K0VG 8,648 94 46 B  
K0CN 104,104 676 77 A  
N0IM 80,184 514 78 A  
K10F 73,600 460 80 A

N0RPI 72,000 480 75 A  
N0UY 68,222 443 77 A  
K0AD 65,712 444 74 A  
N0BUI 63,048 426 74 A  
N0WE 58,366 379 77 A  
N0HJZ 56,232 396 71 A  
A10Q 55,840 349 80 A  
W0ERP 54,978 357 77 A  
K0MPH 46,916 317 74 A  
W0PI 38,376 246 78 A  
WA0LJM 32,768 256 64 A  
W0ZQ 27,090 215 63 A  
K0SV 25,344 176 72 A  
K0PC 25,326 201 63 A  
N0IJ 22,800 190 60 A  
WA0RBW 20,252 166 61 A  
KC0QNA 18,328 158 58 A  
KJ0P 17,520 146 60 A  
W0RX 14,152 122 58 A  
W0GAF 13,132 134 49 A  
K0IR 10,780 98 55 A  
WA0W0V 9,996 102 49 A  
N0UJJ 9,120 120 38 A  
K0TG 7,568 88 43 A  
KA0CSW 5,332 86 31 A  
KC0VFP 4,180 55 38 A  
AC0LL 3,016 52 29 A  
N0ANP 2,640 44 30 A  
WA0VPJ 2,632 47 28 A  
KC0UUT 884 26 17 A  
N0KK (@ N0AT)  
109,440 684 80 Q  
ND0C 67,392 432 78 Q  
WA0MHJ 10,600 106 50 Q  
K1KD 243,840 1,524 80 U  
K0OB 133,668 846 79 U  
K0KX 86,426 547 79 U  
KE0L 80,580 510 79 U  
W0BM 76,630 485 79 U  
N0ODK 47,360 296 80 U  
AA0AW 46,008 324 71 U

WB0N 40,710 295 69 U  
K0YR 40,572 294 69 U  
N0BK 28,756 182 79 U  
K0RC 24,254 181 67 U  
WB0SOK 20,636 154 67 U  
KC0RET 12,168 117 52 U  
W0LM 5,712 68 42 U  
W0GM 4,392 61 36 U  
K0PK 3,000 50 30 U  
NR0L 2,128 38 28 U  
KS0T 1,056 24 22 U  
K0FVF (K0TI & KC0RVA, ops)  
209,920 1,312 80 M  
K0HB (+ K0CKB)  
140,320 877 80 M  
K0JA (+ K0JE)  
44,240 280 79 M  
KA0PQW (+ WB0VAK)  
24,510 215 57 M  
W0JEC (+ W0BKY)  
13,736 101 68 M  
KD0DOS (+ N0FTH & KR1TER)  
10,304 92 56 M

**Missouri**

K0DEQ 112,632 722 78 B  
WB0PYF 14,336 112 64 B  
K0JPL 12,324 78 79 B  
W0JPL (K0JPL, op)  
7,790 95 41 B  
K0OU 117,440 736 80 A  
KC0M 61,446 399 77 A  
KU0G 60,214 391 77 A  
WD0ECO 49,350 329 75 A  
W0HBH 44,660 290 77 A  
K0LAF 38,016 264 72 A  
WB0QLU 24,150 175 69 A  
W1JEQ 24,140 170 71 A  
WA0BJR 20,048 179 56 A  
W0NFS 15,012 139 54 A  
KF0F 13,248 96 69 A

AE0AA	11,312	101	56	A
WB0QIR	1,960	35	28	A
N5SPX	874	23	19	A
KA0P	840	20	21	A
N0SS	6,120	85	36	Q
AA0A	24,570	195	63	U
K0FG	19,710	135	73	U
N0AX	8,460	94	45	U
K10Y (+ K10HA)	94,010	595	79	M
KB0NHW (+ NV0U, N0PVZ, KD0LHI, KD0LHJ)	54,288	348	78	M
W0EEE (N0AX, KC0YDZ, KD5TPH, AC0SU, ops)	40,040	286	70	S

**North Dakota**

NOUD (WB0OAJ, op)	27,328	224	61	A
NOGF (KE0A, N0OJ, K9DIG, K10LS, ops)	235,520	1,472	80	M

**Nebraska**

K0ITC	26,130	201	65	A
K0KRH	23,120	170	68	A
WW0H	16,348	134	61	A
KB0QH	15,892	137	58	A
N0LIA	14,400	144	50	A
W0KT	12,502	133	47	A
K0IH	11,424	112	51	A
KE0QL	5,548	73	38	A
KC0OYT	5,256	73	36	A
NM0H	260	13	10	A
K10OV	52,984	358	74	Q
W8MZ	1,672	38	22	Q
K0GND (+ NU0C, K0NC, K0NEB, WB0YYE)	158,560	991	80	M
AG0L (+ N5SEZ, KB0LF, KC0HYD)	46,800	325	72	M
K0USA (K0CTU, N0TRK, KC0OYT, KC0SQX, ops)	33,796	238	71	M
NG0M (+ KE0TAS)	11,520	90	64	M

N0UNL (WD0BGZ, op)	108,388	686	79	S
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**South Dakota**

KD0S (WD0T, op)	309,920	1,937	80	B
KC0UXC	35,140	251	70	A
WB0ULX	32,032	208	77	A
WB0HHM	13,600	136	50	A
K0PIR	8,256	96	43	A
KK0SD (+ KB0KBJ & KB0LCR)	56,784	364	78	M
K0HS (K0OR, KD0GTE, W0FUI, W0IGV + ops)	47,700	318	75	M
K0VVY (KD0JLT, AC0LU, KC0YLD, KD0NAM, KD0NAO, KC0UMQ, ops)	17,360	155	56	S

**Canada****Alberta**

VA6UK	85,488	548	78	B
VE6SQ	18,592	166	56	A
VA6AM	8,858	103	43	A
VA6AI	40	5	4	A
VE6SKY	112	8	7	Q
VE6EX (+ ops)	167,040	1,044	80	M
VE6AO (VE6TC, VE6CCL, VA6APB, VE6STP, ops)	166,240	1,039	80	M

**British Columbia**

VE7CC	222,080	1,388	80	B
VA7ST	78,048	542	72	B
VA7JW	56,146	419	67	B
VE7SCC (VE7HHS, op)	10,904	116	47	B
VE7BC	54,020	370	73	A
VA7AM	47,712	336	71	A
VE7NI	18,304	143	64	A
VE7RSV	9,180	85	54	A
VE7BGP	7,650	85	45	A
VE7FI	6,640	83	40	A
VA7IR	3,640	52	35	A
VE7FCO	3,420	57	30	A

VA7RN	23,120	170	68	U
VE7TG	16,272	113	72	U
VE7NSR (VA7DXC, VA7JMO, VE7GPK, ops)	34,036	254	67	M

**Maritime**

VY2ZM (K1ZM, op)	349,022	2,209	79	B
VY2TT (K6LA, op)	271,760	1,720	79	B
VE9AA	136,960	856	80	B
VA1MM	2,900	50	29	B
VY2LI	20,328	154	66	A
VE1RAR	18,760	140	67	A
VE1ZD	11,628	114	51	A
VE1RSM	2,784	48	29	A
VE9HF	39,840	249	80	U
VA1CHP	33,760	211	80	U
VE9MY	28,960	181	80	U
VE1OP	28,542	201	71	U
VY2MP	12,296	116	53	U

**Manitoba**

VE4EAR	226,414	1,433	79	B
VE4MG	56,090	395	71	A

**Newfoundland/Labrador**

VO1TA	131,930	835	79	B
VO1KVT	44,550	297	75	B
VO1HE	23,310	185	63	B
VO1HP	2,820	47	30	A
VO1BQ	8	2	2	A

**Northern Territories**

VE8EV	198,880	1,243	80	B
VE8GER	10,976	112	49	A
VY1EI	101,840	670	76	U

**Ontario**

VA3BD	54,240	339	80	B
VE3DZ	8,428	86	49	B
VE3RCN	111,390	705	79	A
VE3MGY	102,804	659	78	A

VE3TW	70,310	445	79	A
VA3SWG	51,450	343	75	A
VE3RHD	35,960	290	62	A
VA3GL	34,364	242	71	A
VE3PYJ	15,552	144	54	A
VE3HG	15,504	152	51	A
VA3FS	10,176	106	48	A
VE3IZS	9,888	103	48	A
VE3AJ	8,100	81	50	A
VE3IKT	7,560	63	60	A
VE3SQT	5,520	92	30	A
VA3GUY	3,776	59	32	A
VA3GKO	1,872	36	26	A
VA3DF	59,250	395	75	Q
VA3RKM	442	17	13	Q
VA3WPV	18	3	3	Q
VE3RZ	116,960	731	80	U
VA3DX	49,760	311	80	U
VE3CWU	31,126	197	79	U

**Quebec**

VE2FXL	9,660	115	42	B
VE2AWR	54,300	362	75	A
VE2AXO	18,910	155	61	A
VA2UTC	10,176	96	53	A
VA2OP	8,880	111	40	A
VE2EZD	960	24	20	A
VE2DNF	900	25	18	A
VE2GGY	144	9	8	A
VE2GLA	0	0	0	A
VE2XAA	55,296	384	72	U
VE2NGH	45,504	288	79	U
VA2WDQ	44,020	310	71	U
VE2JMK	37,100	265	70	U

**Saskatchewan**

VE5ZX	169,760	1,061	80	A
VE5SF	127,360	796	80	A
VE5AAD	20,034	159	63	A
VE5PV (VA6NJK, VE5CMA, VE5FF, VE5FN, VE5WI, ops)	200,960	1,256	80	M