

Results, Fifth Annual ARRL 10-Meter Contest

Contesting on 28 and 29 MHz? Try it once and 10 to one you're hooked!

By Tom Frenaye,* K1KI

The sleeping dragon began to awaken this year with very encouraging signs of the increasing sunspot numbers. The Fifth Annual 10-Meter Contest provided a little something for everyone. Only three of the 32 division records still stand. A record-smashing 1008 logs were received, a 62 percent increase over last year and 122 more than the previous record set in 1974.

Last year's top score would not have even broken into the top ten this time. Top-ten scores were up by about 300 percent! And the sunspot cycle is only in the early stages of development!

PJ2FR managed to find 109 multipliers to lead the pack while K3EST lead the W/VE contesters with 106. Both stations

set new records, eclipsing those set by W6RR and TI2BEV in 1975.

It wasn't just the KWs and five-element beams this year though. Better propagation made those converted 27-MHz QRP transceivers and antennas more formidable contenders. The top Novice was WD9DCL/N, with more than 30k points.

A good number of people discovered 10 meters for the first time during December. Steve Joachim, WB7PZT, tells a story that many will find familiar:

What to Do When Your Beam Is on Backward

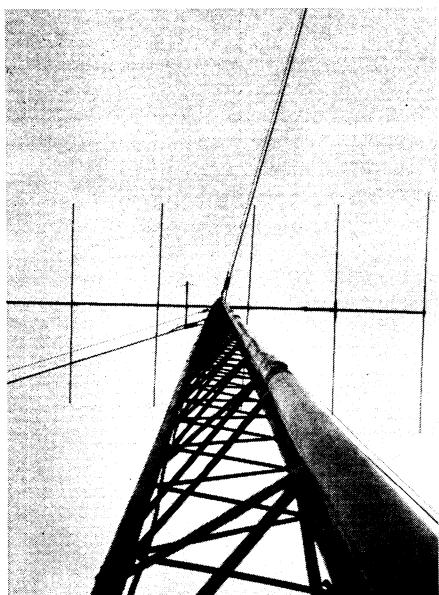
"December 9. OK frequency fans, the 10-Meter Contest is this weekend! I've got my log sheets and I think I've figured out how to fill them in. I've heard a lot of hams working contests but I never have entered one. Since 10 meters is my

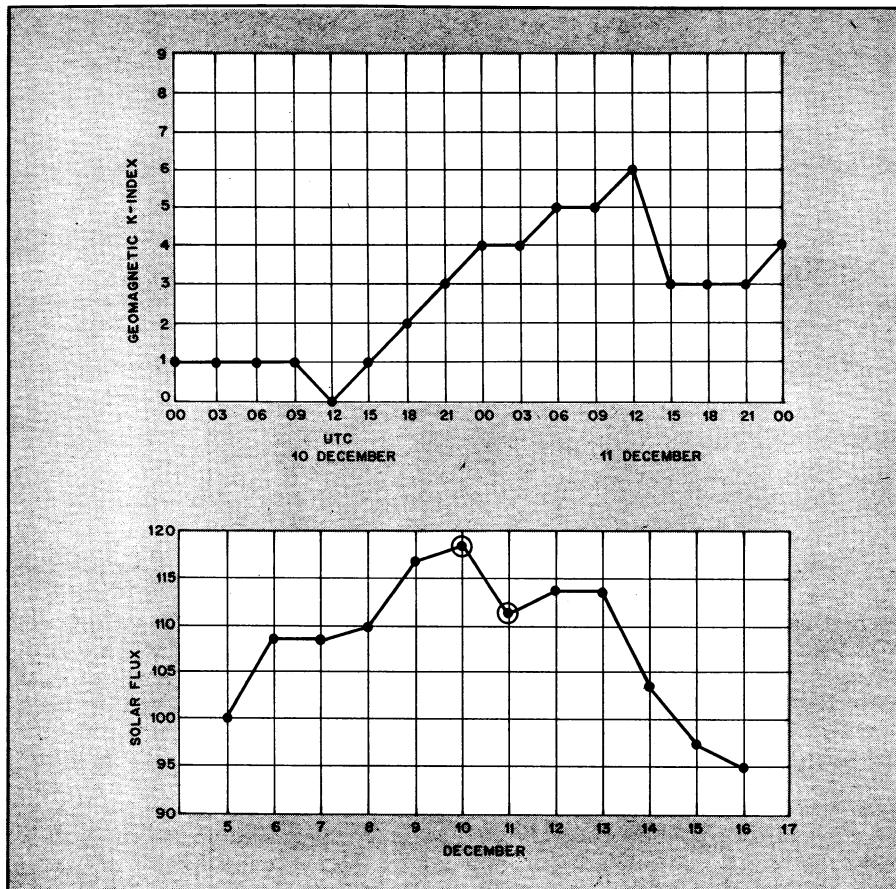
favorite band and I finally got that old Warrior amp working, now is the time. My three-element antenna is still resonant in the Novice band so I figure to crank down the tower this morning and shorten the beam a little. Down cranks the tower, off comes the beam, and with my best guess I start trimming. Hurry, hurry; crank the tower back up and go to work. All set for the contest, which starts at 4 A.M. local time.

"December 10, 3:55 A.M. — contest starts in five minutes. I warm the rig up and as I am starting some coffee, I wonder how many others are ruining their sleep to work this contest. Somehow my enthusiasm is not as great as it was yesterday. The coffee may help adjust my attitude. 4:30 A.M. — I've called CQ 20 times; nothing. I tune the band; nothing. Better rotate the antenna a little and listen

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The six-element Yagi shown below was built especially for this year's contest by the N4HH contest crew. Don, Lee, Tom and Gay (N4HH, WD4ALD, WB4EDD and N4SF respectively) were fourth in the U.S. and set a new Southeastern Division record for multiops.





This year the sun produced a wide variety of propagation effects for the 10-Meter Contest. A few long path JAs were worked from the southeastern U.S. at the beginning of the contest when the solar flux was at a peak and the K-index (geomagnetic activity) near zero. As the contest progressed, the solar flux dropped and minor geomagnetic storm conditions existed which increased absorption, producing poor east-west propagation, and a chance to try backscatter and aurora for QSOs.

some more. Rotator is stuck between SW and SE. As soon as it gets light outside I'll crank the tower down and fix the rotator. 6 A.M. — Only one signal heard: South America, but couldn't work him; pain. 6:30 A.M. — Enough light outside to see so I brave the freshly fallen snow and head out back to the tower. One look says it all: Somehow, I managed to get the beam on backwards. Spent two and a half hours yelling at Siberia; really getting those points, folks. 7:30 A.M. — Rotator works, beam is headed right and the rigs are rolling in. The band is *good*. Now I'm getting somewhere: East Coast. Great, how do these guys write so fast and enter calls on the dupe sheets so fast? The spaces are so small and they are talking so fast. I decide to forget the dupe sheets and list contacts on a legal pad; check for dupes after the contest. Better, a little faster. The band is really good right up till 4:30 P.M. when it abruptly goes out; bummer. Eat some supper, check the band, yell CQ, listen some more, more coffee, yell CQ some more; nothing. Check cw; Hissss. 10 P.M. — Nothing. 11:30 P.M. — Aurora! VE8, sixes and

sevens with funny-sounding sigs. I make a bunch of contacts on the aurora, but couldn't work the VE8 since he was ragchewing; pain. The aurora disappears and nothing at 12:30 A.M., so I crash into bed thinking I will get up at 5 A.M. and really hit it.

December 11. 7:50 A.M. — I slept in. Short bursts of speech, in and out, rapid QSB. I work a few stations; tough going. Surprise, multiplier! Great, I suddenly realize that after calling CQ seven million times yesterday, my throat is not the same. Chair seems harder, get a pillow and more coffee. Is contesting fun? 9 A.M. — The band is gone as an occasional word pops out of the receiver as if someone were kicking the band to get it going. Switch to Kool-Aid; nothing. When will the band open? I need more multipliers, more short bursts. Only the persistent are making contacts. I got only 49 contacts today and I worked hard for every one of them. Can I put Tumtum, WA, on the map? Very, very doubtful. At the end of this, my very first contest, I realize that I am hopelessly in love with contesting. It is exciting, frustrating, fun,

Top-Ten Single Operator

W/VE Call	Score	DX Call	Score
K3EST	277,932	PJ2FR	419,650
K5RC	273,636	PJ2VD	338,375
W6RR	267,456	KZ5JM	300,366
W1RM/2	264,216	KP4DSD	299,976
N2NT	263,550	KP4WI	275,060
K1PR	237,800	KP4FGH	213,528
N4MM	233,664	PY2DMT	171,678
N4BP	211,062	PY2BU	156,200
W6RDF	209,832	YV1OB	154,224
N2GJ	208,240	ZF2AG	136,370

Continental Leaders

Africa	EL2T
Asia	JH1LBR
Europe	DJ3HJ
North America	KZ5JM
Oceania	ZL3GQ
South America	PJ2FR

difficult, exasperating and exhilarating. It also makes me very thirsty. The 10-Meter Contest is the single most satisfying thing I have done in ham radio since I became a ham about a year ago. My advice to would-be contestants? Put your beam on backward and enter the 10-Meter Contest." — Steve Joachim, *WB7PZT*

Soapbox

Rf got into the burglar alarm system loudspeaker, hidden in a garage vent. Stand in the front yard, and it sounded like an evergreen tree was calling "CQ contest." (WB5TZZ) Although I am a longtime operator (since 1954), this is the first entry of mine in an hf contest. I enjoyed it very much and found it similar to many 6-meter contests I've been in. (VK6KZ) Had a lot of fun, made a lot of contacts, and still got eight hours of sleep. (K4BF) I have been and always will be a cw competitor. So, just let an OT say that he wishes more of the young sprouts wud move down and maybe give a few quick points to those of us who can still push a paddle. (K5BO) Sunday was a real lesson in backscatter. Worked all of New England with the beam pointed toward Florida. (WB8TJS) Noted quite a few vhf operators in the 10-Meter Contest. Now, if we can move some of those South American prefixes up to 6 meters! (W0RIB/4) You know that we are dedicated when we go back to school on a weekend to operate in the contest. (K0OR) Think that I'll try multiop next year. Single op will drive you bananas . . . bananas . . . bananas . . . (WB4UVV) This was my first ssb contest. Consumed a bottle of Listerine and 200 cough drops. I guess that I've been initiated! (W1LJ/2) The quad vs. Yagi controversy is raging in Lubbock, TX. My quad is ahead, but not by much! (WB5KBA) Why is it that the only time a Novice or Tech hears an upper-class licensee in the Novice portion of the band is during a contest. Are they ashamed to drop down to the Novice portions of the band and hold a normal

QSO? (WD9EWT/T) Novices and Techs . . . where are you? (WA3EEE) I'd only been on the air for a few weeks, but thought I'd give the 10-Meter Contest a try. (WD8NEI) It was a great contest and I got a couple of new states, but it was full of decisions. Should I stop and study for my college finals or try for one more contact. Only my grades will tell! (WD4IAG) Boy, I sure worked the scatter; backscatter, sidescatter, forwardscatter, in-betweenscatter, etc. What fun! (K0SW) What does a guy do when he calls "CQ contest" and somebody comes back and starts a QSO? I always answer and have a QSO. (W7NES) [Sounds good to us. — Ed.] The 10-Meter Contest is a good way for Novice/Tech types to develop operating skills and work new states and countries. If Novice/Tech contacts counted eight or 10 points instead of four, it would be a real help to them. (N5GW) Propagation very good . . . classic example of the good old days on 10. (K2OVS)

Scores

Scores are listed by section within each

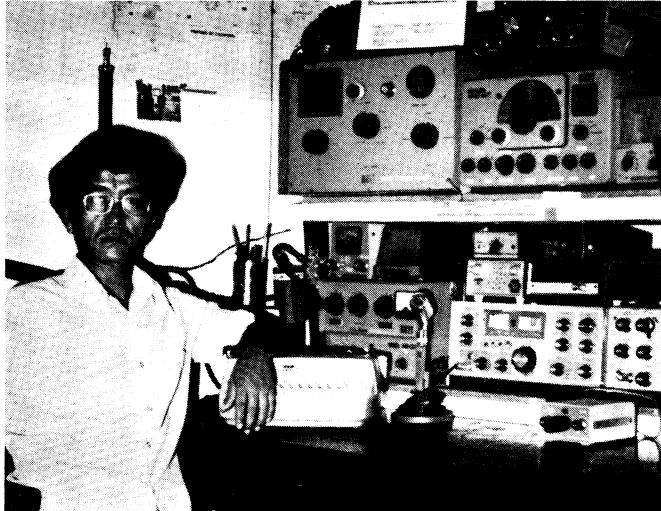
All-Time Division Leaders

Single Op Call	Score	Year	Division	Multiope Call	Score	Year
K3EST	277,932	77	Atlantic	WA3UTA	175,056	74
W9LT	191,176	77	Central	W9YT	90,712	77
WA0CPX	53,720	74	Dakota	WB0MCJ	12,616	76
K5UR	103,896	77	Delta	WB4ASA	60,200	77
W8FF	151,208	77	Great Lakes	K8SMC	157,500	77
W1RM/2	264,216	77	Hudson	W2SZ	115,292	77
W0LGW	70,146	77	Midwest	W0EEE	76,296	77
K1PR	237,800	77	New England	WA1RWU	134,736	77
W7NI	158,388	77	Northwestern	N7ZZ	146,064	77
N6CT	163,374	77	Pacific	KH6GMP	188,960	77
N4MM	233,664	77	Roanoke	WA4YBV	194,400	77
WB0LLR	159,120	77	Rocky Mtn.	WB7CFJ	25,788	77
N4BP	211,062	77	Southeastern	N4HH	204,440	77
W6RR	267,456	77	Southwestern	W6PVB	227,290	77
K5RC	273,636	77	West Gulf	K5JA	261,162	77
WB2RLK/VE1	77,760	77	Canadian	VE7CC	148,428	77

U.S. call area, by Canadian call area, and by country within each continent. The highest single-operator station in each ARRL section and country receives a certificate. The highest multiple-operator station in each section and country and the highest Novice score in each ARRL

section receive certificates, if there are three or more entries listed in that classification or if, in the opinion of the Awards Committee, the entrant displayed exceptional effort. Read the listings (left to right): call, score, QSOs, multiplier, hours of operation.

Tetsuo, N4YT, could only fit part of his equipment into the picture. His 382 QSOs earned third place in South Florida.



WB1DUG (left) and WA1ZEK, who along with WB1DUI, put in a multiope effort from 'DUG in Connecticut.



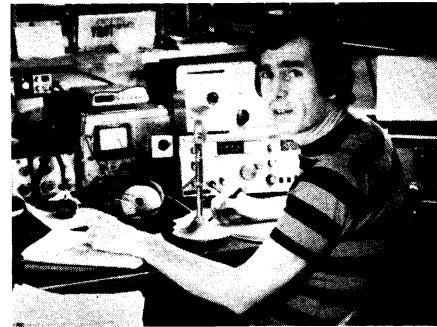
DX	Lebanon	OD5LX	5940-	90-22-	DM2CTI	2090-	55-20-	F3IB	396-	18-11- 2	OK3IF	912-	24-19-	
					DM4ZOM	1764-	42-21-	F3IJ	286-	22-13- 3	OK1DKS	418-	19-11-	
					DM4YUL	1612-	62-26-	F8TM	252-	14- 9- 2	OK1KZ	252-	21- 6-	
					DM4ZKF	1512-	36-21-	F6EBW	144-	9- 8- 2	OK2YAX	108-	9- 6- 2	
					DM3XUH	1216-	32-17-	F2RA	60-	6- 5- 1	OK1DKW	108-	9- 6- 2	
					DM3XDD	1088-	31-17-				OK1AYQ	36-	4- 3- 1	
					DM4PDQ	172-	25-14-							
					DM4POA	480-	16-15-							
					DM5YVL	234-	13-15-							
					DM3WVA	234-	13-15-							
					DM2DPD	162-	9- 9-	G4BHE	9840-	120-41-	ON4XG	16,956-	157-54-	
					DM3BF	144-	9- 8-	G2OA	800-	24-16- 4	Denmark			
					DM3SBM	72-	6- 6-	G3CWL	408-	17-12- 2				
Africa	Asiatic R.S.F.S.R.	UA0LFK	192-	12- 8-	England						Belgium			
Liberia	UA0CCW	48-	8- 3-		EA2OP	7200-	99-36-				ON4XG	16,956-	157-54-	
EL2T	4026-	61-33- 3	Kazakh		Ireland									
Asia			UL7TA	676-	26-13-	EI2CL	828-	23-18- 2	WB9AFI	2860-	54-26-	Denmark		
Japan					Spain									
					EA2OP	7200-	99-36-							
					Ireland									
					EI2CL	828-	23-18- 2	WB9AFI	2860-	54-26-				
					Northern Ireland									
					EA2OP	7200-	99-36-							
					Ireland									
					EI2CL	828-	23-18- 2	WB9AFI	2860-	54-26-				
					Italy									
					EA2OP	7200-	99-36-							
					France									
					F6DCP	20,696-	199-52-	I2LVN	986-	29-17-	PA9LOU	26,564-	227-58-	
					F6EFP	6016-	94-32-				PA9TA	3264-	51-32- 7	
					F6EAT	4900-	70-35-	Norway			PA9DX	440-	20-11- 2	
					F6EEM	4480-	70-32-	LA2DR	374-	17-11- 2	PA9UV	340-	17-10- 1	
					F6FBB	3808-	56-34-	LA5IH	96-	8- 6- 1				
					F6BJA	3000-	60-25-							
					F2RO	2392-	46-20-							
					F6DP	1872-	22-13-							
					F6BV8	546-	21-13-	OK1TW	5760-	72-40-	SM9GMG	13,888-	123-56- 8	
					F6EXQ	546-	21-13-	OK1IMP	3990-	57-35-	Poland			
											SP5GH	616-	22-14- 5	
											SP9DH	286-	13-11-	



The no. 2 scorer from Europe this year was Louis, PA0LOU, with a respectable 26k points.



The no. 1 score for multiops in West Virginia was turned in by W8TN (left), assisted by WB0RET (right) and WA8YCG (not shown).



Bill, KP4DSD, turned in the no. 4 score worldwide from his Sabana Seca QTH in Puerto Rico.

Greece				South America				Western New York				WB4NQG/N									
SV0WTT				128- 8- 8- 3				K1GMF				380- WD4CZK/N(+WA4SCS/N)									
European Russian S.F.S.R.	CE0AE	16,296- 194-42-	Chile	K1GQ	19,552- 188-52-	K2IQW	127,764- 699-91-	WB4NQG/N	380- WD4CZK/N(+WA4SCS/N)	2116- 32-23-10	Georgia	63,832- 404-79-13	44,590- 343-65-12	40,524- 305-66-12	32,974- 264-20-20						
UA3TN	2580- 86-15-	CE0AE	56,880- 395-72-12	CE5CN	17,296- 188-46- 9	WA2BVJ	105,000- 625-84-20	K2IQW	127,764- 699-91-	K4PAI	44,590- 343-65-12	40,524- 305-66-12	32,974- 264-20-20	32,974- 264-20-20							
UA3AFL	2196- 61-18-	KILL	14,516- 191-38-	K2VYV	39,520- 373-52- 7	K2VYV	10,736- 118-44- 3	K2VYV	127,764- 699-91-	K4HAW	40,524- 305-66-12	32,974- 264-20-20	32,974- 264-20-20	32,974- 264-20-20							
UA3ACP	688- 43- 8-	WA1NPZ	14,248- 137-52-12	K1ZDI	11,040- 132-40- 5	K2VYV	10,736- 118-44- 3	K2VYV	127,764- 699-91-	K2EOS/2	61,41- 8	52,575	44,590- 343-65-12	40,524- 305-66-12							
UA3YBO	120- 12- 5-	K1ZDI	12,826- 120-53-13	W1GL	103,544- 589-86-20	K2M2BF	7,020- 78-45- 5	K2M2BF	10,736- 118-44- 3	WB4RUA	12,784- 136-47- 8	12,784- 136-47- 8	WB4RUA	12,784- 136-47- 8							
Ukraine	JA1PIG/PZ	24,522- 402-61-14	Easter Island	W1KIP	4524- 78-29- 3	WA2IMG	4,836- 78-31-12	WA2IMG	10,736- 118-44- 3	WB4YFX/N	3696- 64-30- 7	WB4YFX/N	3696- 64-30- 7	WB4YFX/N	3696- 64-30- 7						
RBS1OV	1504- 47-16-	Ecuador	W1VNE	4104- 72-27- 4	W2MTA	896- 26-16- 7	W2MTA	1672- 44-19- 7	WB4TYF/N	2760- 40-22-	WB4TYF/N	2760- 40-22-	WB4TYF/N	2760- 40-22-							
UK5IBB(UK5IHO,Savenkov, Pilesch,ops.)	4224- 68-24-	WA4UAZ/HCI	1024- 30-16- 4	W1OH	1024- 30-16- 4	W1LJ2(+WA3YQE)	62,712- 402-78-20	W1LJ2(+WA3YQE)	62,712- 402-78-20	WA4OZT	2220- 74-15- 2	WA4OZT	2220- 74-15- 2	WA4OZT	2220- 74-15- 2						
Netherlands Antilles	W1U	419,650-1925-109-27	Vermont	K1UZ	418- 11-11-24	WB4PUJ(WA4OZT,+WA4OZT)	11,000- 50-11- 1	WB4PUJ(WA4OZT,+WA4OZT)	11,000- 50-11- 1	WD4DQW	330- 15-11- 1	WD4DQW	330- 15-11- 1	WD4DQW	330- 15-11- 1						
Azerbaijan	PJ2FR	338,375-1833-92	K2LE/1	125,396- 665-94-21	K1K1	6072- 116-46- 4	K3HBP	18,252- 169-54-15	WB4DQW	204,440-1074-95-36	WB4DQW	204,440-1074-95-36	WB4DQW	204,440-1074-95-36							
UD6DFK	962- 37-13-	PJ2VD	3402- 78-21- 3	WB2JS/J	3402- 78-21- 3	K3SHD	17,930- 163-55-22	WB4DQW	36,366- 319-57-18	WB4DQW	36,366- 319-57-18	WB4DQW	36,366- 319-57-18	WB4DQW	36,366- 319-57-18						
Lithuania	PY2DMT	171,678- 923-93-17	Western Massachusetts	WB1YK(WA1TUH,opr.)	114,928- 646-88-26	WB1YK(WA1TUH,opr.)	3	WB1YK(WA1TUH,opr.)	114,928- 646-88-26	WB1YK(WA1TUH,opr.)	114,928- 646-88-26	WB1YK(WA1TUH,opr.)	114,928- 646-88-26	WB1YK(WA1TUH,opr.)	114,928- 646-88-26						
UP2BAO	392- 28-14-	PY2CS	156,520- 748-83-16	WB1CJS	83,886- 451-93-28	WB1CJS	135,828- 686-99-22	WB1CJS	83,886- 451-93-28	WB1CJS	135,828- 686-99-22	WB1CJS	135,828- 686-99-22	WB1CJS	135,828- 686-99-22						
Venezuela	275,528-1302-62-21	PY1BAR	3294- 51-27- 4	WB1YRA	18,000- 158-44-4	WB1YRA	29,106- 229-57-11	WB1YRA	18,000- 158-44-4	WB1YRA	29,106- 229-57-11	WB1YRA	29,106- 229-57-11	WB1YRA	29,106- 229-57-11						
YV1OB	154,224- 952-81-24	WB1JUF/YV1	48,500- 485-50-22	WB1RUW(+WA1LPJ)	134,736- 801-84-	WB1RUW(+WA1LPJ)	2	WB1RUW(+WA1LPJ)	134,736- 801-84-	WB1RUW(+WA1LPJ)	134,736- 801-84-	WB1RUW(+WA1LPJ)	134,736- 801-84-	WB1RUW(+WA1LPJ)	134,736- 801-84-						
North America	Maritime Mobile	WB2SN/T/N	320- 12- 8- 5	WB2ZSN/W	320- 12- 8- 5	WB3AF	16,500- 161-50- 4	WB3AF	16,500- 161-50- 4	WB3AF	16,500- 161-50- 4	WB3AF	16,500- 161-50- 4	WB3AF	16,500- 161-50- 4						
Bahamas	Region 2	WB2ZSN/W	15,292- 699-82-19	WB2ZSN/W	15,292- 699-82-19	WB3AF	17,740- 130-79- 4	WB3AF	17,740- 130-79- 4	WB3AF	17,740- 130-79- 4	WB3AF	17,740- 130-79- 4	WB3AF	17,740- 130-79- 4						
Dominican Republic	W1RJM/2	264,216-1297-101-29	K3VDU	7844- 104-37- 9	K3VDU	10,736- 118-44- 3	K3VDU	10,736- 118-44- 3	K3VDU	10,736- 118-44- 3	K3VDU	10,736- 118-44- 3	K3VDU	10,736- 118-44- 3	K3VDU	10,736- 118-44- 3					
H1EJH	78,876- 626-63-	U.S.A.	WB2ZSN/W	19,720- 170-54- 7	WB2ZSN/W	4,640- 61-29-17	WB2ZSN/W	4,640- 61-29-17	WB2ZSN/W	4,640- 61-29-17	WB2ZSN/W	4,640- 61-29-17	WB2ZSN/W	4,640- 61-29-17	WB2ZSN/W	4,640- 61-29-17					
Panama	1	WB2ZSN/W	19,710- 169-48-12	WB2ZSN/W	19,710- 169-48-12	WB2ZSN/W	4,640- 61-29-17	WB2ZSN/W	4,640- 61-29-17	WB2ZSN/W	4,640- 61-29-17	WB2ZSN/W	4,640- 61-29-17	WB2ZSN/W	4,640- 61-29-17	WB2ZSN/W	4,640- 61-29-17				
HP1XYA	26,158- 319-41-	Connecticut	WB2ZSN/W	10,464- 149-48-12	WB2ZSN/W	30,866- 242-61- 4	WB2ZSN/W	30,866- 242-61- 4	WB2ZSN/W	30,866- 242-61- 4	WB2ZSN/W	30,866- 242-61- 4	WB2ZSN/W	30,866- 242-61- 4	WB2ZSN/W	30,866- 242-61- 4					
Guantanamo Bay	K1PR	237,800-1182-100-26	WB2ZSN/W	10,464- 149-48-12	WB2ZSN/W	263,550-1239-105-30	WB2ZSN/W	263,550-1239-105-30	WB2ZSN/W	263,550-1239-105-30	WB2ZSN/W	263,550-1239-105-30	WB2ZSN/W	263,550-1239-105-30	WB2ZSN/W	263,550-1239-105-30					
KG4OO	63,300- 633-50-7	WB1CVN	40,490- 247-67-26	N.Y.C.-L.I.	19,720- 170-54- 7	N2NT	263,550-1239-105-30	N2NT	263,550-1239-105-30	K3EST	277,932-1311-106-	K3EST	277,932-1311-106-	K3EST	277,932-1311-106-	K3EST	277,932-1311-106-				
Puerto Rico	WB1DLA	45,620- 210-61-15	WB1CVN	40,490- 247-67-26	WB1CVN	19,720- 170-54- 7	WB1CVN	19,720- 170-54- 7	WB1CVN	19,720- 170-54- 7	WB1CVN	19,720- 170-54- 7	WB1CVN	19,720- 170-54- 7	WB1CVN	19,720- 170-54- 7					
KP4DSD	299,976-1724-87-	WB1UUA	19,710- 195-45-23	WB1UUA	19,710- 195-45-23	WB1UUA	40,176- 279-72-16	WB1UUA	40,176- 279-72-16	WB1UUA	40,176- 279-72-16	WB1UUA	40,176- 279-72-16	WB1UUA	40,176- 279-72-16	WB1UUA	40,176- 279-72-16				
KP4WI	275,060-1618-85-20	WB1ULL	15,792- 168-47-13	WB1ULL	15,792- 168-47-13	WB1ULL	40,050- 267-75-20	WB1ULL	40,050- 267-75-20	WB1ULL	40,050- 267-75-20	WB1ULL	40,050- 267-75-20	WB1ULL	40,050- 267-75-20	WB1ULL	40,050- 267-75-20				
KP4FGH	213,528-1302-62-21	WB1UZEF	19,710- 169-48-12	WB1UZEF	19,710- 169-48-12	WB1UZEF	4,216- 28-48- 4	WB1UZEF	4,216- 28-48- 4	WB1UZEF	4,216- 28-48- 4	WB1UZEF	4,216- 28-48- 4	WB1UZEF	4,216- 28-48- 4	WB1UZEF	4,216- 28-48- 4				
KP4EHP	60,710- 537-66-21	WB1UZEF	10,464- 149-48-12	WB1UZEF	10,464- 149-48-12	WB1UZEF	10,464- 149-48-12	WB1UZEF	10,464- 149-48-12	WB1UZEF	10,464- 149-48-12	WB1UZEF	10,464- 149-48-12	WB1UZEF	10,464- 149-48-12	WB1UZEF	10,464- 149-48-12				
Canal Zone	WB1UZEF	10,464- 149-48-12	WB1UZEF	10,464- 149-48-12	WB1UZEF	10,464- 149-48-12	WB1UZEF	10,464- 149-48-12	WB1UZEF	10,464- 149-48-12	WB1UZEF	10,464- 149-48-12	WB1UZEF	10,464- 149-48-12	WB1UZEF	10,464- 149-48-12					
KZ5JM	300,366-1513-99-22	WB1ZNT	13,920- 135-36-12	WB1ZNT	13,920- 135-36-12	WB1ZNT	13,950- 155-25-23	WB1ZNT	13,950- 155-25-23	WB1ZNT	13,950- 155-25-23	WB1ZNT	13,950- 155-25-23	WB1ZNT	13,950- 155-25-23	WB1ZNT	13,950- 155-25-23				
KZ5BA	57,912- 496-57-12	WB1NLN	9,126- 114-39- 7	WB1NLN	9,126- 114-39- 7	WB1NLN	9,890- 115-43- 4	WB1NLN	9,890- 115-43- 4	WB1NLN	9,890- 115-43- 4	WB1NLN	9,890- 115-43- 4	WB1NLN	9,890- 115-43- 4	WB1NLN	9,890- 115-43- 4				
KZ5UH	51,940- 492-53-13	WB1NLW/N	6,912- 88-47- 8	WB1NLW/N	6,912- 88-47- 8	WB1NLW/N	6,252- 53-22- 7	WB1NLW/N	6,252- 53-22- 7	WB1NLW/N	6,252- 53-22- 7	WB1NLW/N	6,252- 53-22- 7	WB1NLW/N	6,252- 53-22- 7	WB1NLW/N	6,252- 53-22- 7				
KZ5FR	928- 29-16- 1	WB1ZVD	5,712- 98-28-18	WB1ZVD	5,712- 98-28-18	WB1ZVD	19,214- 32-21- 6	WB1ZVD	19,214- 32-21- 6	WB1ZVD	19,214- 32-21- 6	WB1ZVD	19,214- 32-21- 6	WB1ZVD	19,214- 32-21- 6	WB1ZVD	19,214- 32-21- 6				
Greenland	WB1ZVD	4,500- 96-27- 9	WB1ZVD	4,500- 96-27- 9	WB1ZVD	10,240- 32-16- 7	WB1ZVD	10,240- 32-16- 7	WB1ZVD	10,240- 32-16- 7	WB1ZVD	10,240- 32-16- 7	WB1ZVD	10,240- 32-16- 7	WB1ZVD	10,240- 32-16- 7	WB1ZVD	10,240- 32-16- 7			
OX3AB	9792- 144-34-	WB1ZVD	375- 63-23-14	WB1ZVD	375- 63-23-14	WB1ZVD	624- 16-13- 5	WB1ZVD	624- 16-13- 5	WB1ZVD	624- 16-13- 5	WB1ZVD	624- 16-13- 5	WB1ZVD	624- 16-13- 5	WB1ZVD	624- 16-13- 5	WB1ZVD	624- 16-13- 5		
OX3RA	5950- 119-25-	WB1ZVD	1750- 35-25-20	WB1ZVD	1750- 35-25-20	WB1ZVD	48- 6- 4- 31	WB1ZVD	48- 6- 4- 31	WB1ZVD	48- 6- 4- 31	WB1ZVD	48- 6- 4- 31	WB1ZVD	48- 6- 4- 31	WB1ZVD	48- 6- 4- 31	WB1ZVD	48- 6- 4- 31		
Antigua	WB1ZVD	1204- 40-14- 4	WB1ZVD	1204- 40-14- 4	WB1ZVD	3696- 66-28-16	WB1ZVD	3696- 66-28-16	WB1ZVD	3696- 66-28-16	WB1ZVD	3696- 66-28-16	WB1ZVD	3696- 66-28-16	WB1ZVD	3696- 66-28-16	WB1ZVD	3696- 66-28-16	WB1ZVD	3696- 66-28-16	
VP2AZB	81,120- 780-52-13	K1TN	415- 26- 8- 1	N2CJ	208,240-1096-95-30	WB1ZVD	7844- 84-61- 2	WB1ZVD	7844- 84-61- 2	WB1ZVD	7844- 84-61- 2	WB1ZVD	7844- 84-61- 2	WB1ZVD	7844- 84-61- 2	WB1ZVD	7844- 84-61- 2	WB1ZVD	7844- 84-61- 2	WB1ZVD	7844- 84-61- 2
St. Vincent	WB1ZVD	276- 16- 10- 2	WB1ZVD	276- 16- 10- 2	WB1ZVD	100,570- 61-89-20	WB1ZVD	100,570- 61-89-20	WB1ZVD	100,570- 61-89-20	WB1ZVD	100,570- 61-89-20	WB1ZVD	100,570- 61-89-20	WB1ZVD	100,570- 61-89-20	WB1ZVD	100,570- 61-89-20	WB1ZVD	100,570- 61-89-20	
VP2SZ(+VP2SV)	170,542-1201-71-16	K1WJ(+WA1HYN)	93,072- 552-84-27	WB1ZVD	59,200- 400-74-7	WB1ZVD	400- 400-24-15-4</td														

WD4IW/N	3456- 58-24-	WA6QCZ	658- 47- 7- 3	N7MW	8256- 122-32- 7	N8HT(+WHD8CQN)	49,660- 384-65-27		
WB4WHE	3344- 76-22- 5	WB4HOI	2856- 84-17-14	Los Angeles	WB7YQG	29,052- 269-54-17	W0EJ	42,886- 262-63-11	
WB4HOI	1280- 40-16- 3	W4OGG	928- 27-16- 4	W6RR	WB7KPL	WB8NUZ/B(+WD8CIN DTU DUX)	WB8UIT	2992- 68-22- 7	
W4OGG	1280- 40-16- 3	W4DGX	928- 27-16- 4	WB6KOU	WB7YUL	130,20-31-11	WB8PQ	2624- 82-16-11	
WB4ASA(+WA4NIV, WB4JGG)	60,200- 430-70-26	K6VNX	56,168- 473-59-	K7RZW	3500- 70-25- 7	WB8LVI	624- 23-15-		
N4MM	233,664-1217-96-26	K6SV	42,002- 381-56-10	K7LGF	884- 34-13- 2	WB8B8s R8I ZST ZSU WD8S	WB8CZ/C/N	622- 13- 9- 6	
N4PP	199,200- 992-100-31	WB4H	39,000- 392-56-12	WB7KWN	140- 8-5- 3	DWG LJT	WB8DQR(+WD8JXJ)	WB8GBB, oprs.	22,360- 54-67-
AA4VA	144,768- 854-83-26	WB4BVY	36,512- 326-56-	WB7KWN(+N7RA)	180,334-1167-77-36	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N	19,500- 195-50-26
WB4BVY	151,566- 222-68-22	WB4KFC	32,300- 322-50-24	WB7DPM	79,254- 625-63-32	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	1118- 33-12-21	
K4YE	65,286- 394-83- 5	WB4PIQ	267,456-1591-84-24	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N	
K4JD	44,988- 323-65- 5	WB4ZEL	56,168- 473-59-	WB7DPM	180,334-1167-77-36	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N	
WB4PIQ	30,192- 222-68-24	WB4WDM	42,002- 381-56-10	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N	
N4HB	18,788- 142-51- 8	WB4DJK/J	19,788- 142-51- 8	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N	
WA5DJK/J	11,508- 136-42-18	WB4KMS	1320- 32-20- 3	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N	
WB4KMS	9546- 91-53- 2	WB4MYA	176- 11- 8- 1	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N	
WB4MYA	7220- 95-38- 2	WB4DW	154- 11- 7- 1	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N	
WB4DW	6864- 103-33- 4	Orange	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB4NLP	4410- 63-35-20	WA4NPK	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WA4NPK	3342- 69-24-22	WB4NPK	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
W4NO	1956- 22-25- 5	WB4WZ	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB4WZ	112- 28- 4- 3	WA4YBV	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WA4YBV(+W4THU, WB4GQN)	194,400- 966-100-	WB4GK/R/6	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K4HWG(+WB4NFS, WD4AOZ)	66,096- 406-81-32	WB6AKR/6	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WD4ECK(+WB4RM)	10,560- 307-65-28	WB6CEW/T	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WA4ZHQ(+WB4ZHQ)	26,314- 223-59-17	N6NS	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
5		WB6ATK	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
Arkansas		WB6DWH/T	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5UR	103,896- 699-74-13	WB6GRR	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5STD	43,264- 416-52-24	WB6FIT(+WB6IRR)	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WA5HNN	3850- 77-25- 4	N5SD	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5ZCW	3108- 72-21- 1	WB5DJW/N	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
N5SD	648- 36- 9- 2	Santa Barbara	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5DJW/N	224- 12- 7- 1	Oregon	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
Louisiana		WB6HTK	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5SOAD	114,256- 772-74-20	WB6IDK	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5BSQK	114,256- 772-74-20	N6NM	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5KLA	100,932- 645-59-28	WB6KJP	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
W5WG	25,164- 226-54-20	WB6PVB(+N6DX, WB6XP)	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5BO(+WB5KUF, WD5BCC)	31,376- 291-53-18	Santa Clara Valley	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
Mississippi		K6KLY	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WSAQ	33,408- 279-58-21	WB6PCO	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WSQW	21,342- 209-58-21	N5DOW	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5CSX/N	3400- 170-20-15	K2TGE/6	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
New Mexico		WB6DFD/6	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WSJW	107,492- 698-77-19	W6CIM	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WSHI	52,436- 303-58-16	N6OI	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5HGN	8510- 115-37- 1	WB6DXH/N	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WSKH	2576- 56-23- 4	WB6LC	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
N5EE	1232- 28-22- 1	K6MO	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5XY	1110- 37-15- 2	WB6CKT/N	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
Northern Texas		WB6HAD	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5NW	55,176- 418-66-12	WB6YX(WA4BAX, N7M, W7M, W7M, W7M)	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5CWB	48,490- 373-65-18	WB6GCR	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5KBA	42,432- 312-68-23	WB6GK	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5KLB	40,260- 324-61-21	WB6GK	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5KL	34,048- 266-64-21	WB6GK	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5SRPU	24,510- 216-57-20	WB6GK	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5GVP	21,000- 175-60-19	K5L	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5SEWP	17,000- 130-59-16	WB6DXH/N	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5BDX	20,972- 197-49-18	N6LC	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5TAP	17,280- 188-45-15	N6LC	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
W5VBO	14,300- 142-50-17	N6KA	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5ERJ	11,340- 125-45-11	N6KA	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5Q	9,744- 116-42-20	N6KA	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WSQF	7,200- 100-38- 8	N6KA	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5SOR	5976- 78-36- 7	WB6RDF	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5CHB	4292- 60-29-17	N6KA	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5HMB	3432- 66-26-10	WB6VCE	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
W5SSD	2448- 50-24- 7	WB6VCE	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5VZL/T	702- 20-13-15	N6KA	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5KU/T	62,21- 22-1-2	N6KA	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5KU/T	67,22- 22-1-2	WB6UFY	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5JA(+N5AU)	261,162-131-19-28	WB6DHR/N	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5FUW(+WB5HV, WA5SHV)	27,724- 237-58-18	N6KA	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
W5JMN(+K5VBC, WD5S)	1280- 40-16-14	WB6SUM	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
San Francisco		N6CT	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
Oklahoma		WB6RAV	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5KHT	72,930- 429-85-20	WB6FCR	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5GL	50,386- 413-61-13	WB6YDT	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5GK	32,148- 282-57-36	N6QC	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5GK	30,180- 220-57-36	K6VJW	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5GK	10,180- 124-51-11	WB6DXH/N	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5GK	10,180- 124-51-11	WB6YXN	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5IEK	4800- 75-32-11	WB6T	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5DEC	2622- 57-23- 8	WB6T	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5WWU	1428- 36-19- 8	WB6T	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5VUD	1184- 37-16- 8	WB6T	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5TZZ(+WA5ML, WA5UW)	45,920- 410-56-28	N7EUE/4	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5YWH(+WB5s HL-RW YW ZLD)	14,950- 115-65-19	K6HJ	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5SEEL	14,950- 115-65-19	WB6YDZ	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
Southern Texas		N6CT	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5RC	273,636-1378-99-26	Sacramento Valley	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WA5JDU	107,040- 669-80-28	WB6T/2/6	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5CSK	77,552- 568-71-30	WB6T/2/6	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5WVY	55,188- 528-71-30	WB6T/2/6	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5VYX	44,164- 361-61-20	WB6GHH	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5RF	36,180- 220-57-36	WB6EFO	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5MA	34,844- 280-62- 6	WB6EFO	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5AK	31,980- 246-65- 5	WB6EFO	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
K5EI	29,694- 303-49- 9	WB6EFO	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
WB5ACK5(K5GN, opr.)	20,130- 183-55- 9	WB6EFO	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
W5RRR(W5LSZ, opr.)	16,416- 152-54-12	WB6EFO	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8SVI)	WB8NAA(+WD4LBE)	WB8BLD/N		
NSQQ	15,136- 158-43- 9	WB6EFO	WB7DPM	WB8DQR(+WD8JXJ)	WB8NVP(+WB8				