

Results, 2002 ARRL 10-Meter Contest

What decline in 10-meter propagation?

You could hear the voices from around the globe...ZL3GA: "Ten never fails to surprise!"...AE9B: "You think we can talk those sunspots into staying around a little longer?"... K1TH: "ZL1AIH called me after the band 'died' Sunday night. Ten Meters is always good for a surprise."...K6ENT: "Great contest here on the West Coast. The storm kind of beat up on us."

If you are into 10 meters, I hope you didn't miss the 2002 ARRL 10-Meter Contest held December 14-15. Of course the odds are that if you contest at all, you may have been active during the weekend, as the Log Checking team reported that over 40,000 call signs were found in the record 3120 competitive logs received. That is a record number of logs submitted for *any* ARRL single weekend contest.

In section after section, you can find close finishes and hot competition between operators that may only consider themselves "small pistols."

Take the Single Operator Low Power Phone Only category in Maine. Tim, AA1UT, racked up 86 multipliers but was a few QSOs short of taking top honors from Sam, WA5RPP. Work your way down the East Coast a bit to the Western New York section. Tom, N2CU, worked four fewer QSOs but was able to edge Warren, K2SM, on the basis of just two more multipliers in the Single Operator QRP CW Only category.

Head to Eastern Pennsylvania where Ralph, WA3ELQ, found 19 fewer multipliers than Larry, WB3EVL, but worked 59 more stations, leading him to a scant 414 point victory in the section for Single Operator Low Power Phone Only race. Strategy and mode made the difference between Bruce, K0BJ, and Bill, N0AG. Bill racked up more QSOs and multipliers in his Single Op Mixed Mode Low Power effort, but Bruce was able to take Kansas on the strength of making more higher value CW QSOs, winning by only 5238 points.

The margin of victory for Charles, WB6IYM, over Vic, KF6RIP, was only 1832 in the East Bay race for the Single



If you have worked many contests, you are sure to have Jerry, K6ILL, in the log. In this year's 10-Meter Contest, Jerry was busy Elmering aspiring young contester Joseph, KG6NED.

Operator High Power CW Only title. And they won't get any closer than Bob, W7LR's 132-point "thrashing" of Eric, K7ABV, in the Mixed Mode High Power race in Montana. One more QSO or multiplier for Eric or fewer for Bob would have changed the name on the winner's certificate.

DX Entries

Besides the continental US and Canada, entries were received from 110 DXCC entities worldwide. Top continental participation came from Europe (839 entries). Japan (161) had the most participation from a single DX entity.

At least one new scoring record was set for each of the six continents—Africa, Asia, Europe, North America, Oceania and South America. Most noteworthy, however, is that three overall combined W/VE and DX scoring records were set during the weekend.

Jim, N6TJ, is no stranger to contesters. Operating from his ZD8Z QTH, Jim rewrote the books with his spectacular performance in the Single Operator Mixed Mode High Power category (which also becomes the new Africa record). His score of 4.7 Megapoints may stand for some time. Jim outscored his nearest competitor by 24%—quite a feat when you consider that the category runner-up was John, K4BAI (certainly no

slouch when it comes to contesting) operating as 8P9Z, who managed to shatter the old record by 13% while setting the North American record.

Another well-known contester, Fabio, I4UFH, clawed his way into the overall category record books. Operating as D44TD, Fabio forged ahead of the previous record holders with a score of 1,815,120 in the Single Operator Phone Only High Power category.

Rounding out the overall record-setting performances was the Single Operator Phone Only QRP entry of Tony, KP4KE. Tony's score of 366k breaks the old category record by 22% and left his competition in the dust by more than doubling the score of his nearest challenger. Congratulations to the three new World Record holders!

DX Single Operator QRP Categories

The Mixed Mode competition ended as a hard fought two-station affair between two Asian stations—Haruo, JA2AXB, and Dima, RX9SR. After log checking, a scant 1712 points separated the two, with Haruo claiming the win. Other continental winners included Victor, UX0IB (Europe), Tim, NH0H (Oceania) and Waldir, PY2WC (South America).

Besides Tony, KP4KE, only one other Phone Only station was able to better the 100k mark—European winner Rafael,

Top Ten, W/VE

Mixed Mode, QRP			
KG9X	825,790	W7YA	75,600
K9OM	786,318	WR6WR	64,428
NA4CW	609,960	(N6WR, op)	
WA8ZBT	432,950	N2XT	62,790
VE3BUC	394,424	Phone Only, Low Power	
K0PC	376,872	W3EP	504,284
K3TW	348,880	W7ZR	502,740
K8BL	342,084	N7BES	405,444
N8IE	303,808	W8DD	362,768
K0OU	300,720	KE9KD	348,960
Mixed Mode, Low Power			
VY2TT	1,884,420	AC0W	348,612
(K6LA, op)		KT3RR	332,004
N8II	1,358,104	VE4MM	302,556
W0YR	1,295,152	N6IUU	302,400
W1HR	1,229,272	NY4T	281,792
(K1FWE, op)		Phone Only, High Power	
K7SS	1,183,084	W5PR	1,014,420
WD5K	1,157,166	K4XS	945,360
K00B	1,134,240	WB9Z	915,936
N0AT	1,091,800	VA5DX	878,572
VE5SF	1,036,366	K5TR	801,944
NE9U	1,015,650	(WM5R, op)	
Mixed Mode, High Power			
W9RE	2,564,592	K4WI	793,408
K9NW	2,462,524	K0DU	777,596
WC4E	2,364,852	KY5R	767,880
W2RE	2,347,776	N4OX	760,612
VE3AT	2,282,380	K7RI	697,108
K1XX	2,193,964	CW Only, QRP	
K3ZO	2,149,030	VE5UF	527,076
W5WMMU	2,128,462	KG5U	452,200
K4WX	2,019,624	N7OU	334,080
K4RO	1,974,176	N0UR	331,816
Phone Only, QRP			
NX9T	153,000	N4IJ	271,400
NJ2F	110,860	K6DJT	248,032
K4LOG	105,728	AA1CA	231,120
KK0Q	95,996	W7RAB	228,816
N1BQ	89,024	(KH7YD, op)	
AB2IW	86,940	WA8WV	213,344
W7PE	79,220	K7MM	207,312

Top Ten, DX

Mixed Mode, QRP			Mixed Mode, QRP			
JA2AXB	229,992	UA3BL	83,300	UW5U	149,968	
RX9SR	228,280	LU2EE	66,528	(UY2UA, op)		
UX0IB	181,504	T9ADO	66,240	JA2IU	141,840	
ER5DX	160,740	JA2JSF	44,772	ZS6DX	138,376	
YU1LM	136,864	US5WDL	38,400	OK2WTM	131,316	
PY2WC	131,846	J11HFJ	34,456	EAT7AAW	127,696	
UU4J (UU4JO, op)	127,544	9A7ZZ	33,756	YO7FT	118,272	
RZ9IB	72,226	Phone Only, Low Power				
RW3SU	57,240	P40B	748,170	CW Only, Low Power		
HG5Z	55,616	(P43P, op)		NP3A (@NP4Z)	862,752	
Mixed Mode, Low Power			ZX2B	512,276	CO8ZZ	595,200
FY5FY	2,288,540	(PY2MNL, op)		E6AGCC	563,712	
C6ANK	1,244,220	XT2TI	463,488	I3MLU	540,864	
(W9AU, op)		HO1A	438,792	(I3ZEYZ, op)		
CT1ILT	1,223,552	LP5F	419,520	IK7JWY	538,144	
XW1IC	1,189,224	(LU1FZR, op)		ZL1GO	517,532	
L73F	1,133,730	KG4DX	345,610	SU9US	514,360	
(LU5FF, op)		(W4WX, op)		JF1SQC	499,488	
LZ9W	1,085,280	TF8GX	343,278	5B4AHA	491,040	
HA6NF	978,880	G3VAO	325,728	ZL1BYZ	460,964	
EA5AER	837,456	HK3JUH	315,090	CW Only, High Power		
UA4FER	791,700	G0AEV	290,550	ZF2NT	1,594,200	
LY3BA	779,248	Phone Only, High Power			JY9NX	1,264,896
Mixed Mode, High Power			D44TD	1,815,120	(JM1CAX, op)	
ZD8Z	4,733,880	(I4UFH, op)		PY2NDX	1,229,584	
(N6TJ, op)		ZX5J	1,420,848	OD5/OK1MU	1,032,624	
8P9Z	3,788,386	WP2Z	1,088,004	9A5Y	1,028,856	
(K4BAI/8P9HT)		(K8MJZ, op)		(9A3LG, op)		
KH7X (KH6ND)	2,522,160	LU1HF	945,180	9H1ZA	1,016,400	
9A5E	1,956,654	ZF2AH	911,436	4L8A	944,772	
OK1RI	1,800,582	TM5C	863,200	F6BEE	937,860	
RK4FF	1,594,840	(F6CTT, op)		JG1ILF	850,816	
Y21AU	1,560,736	HC1HC	826,880	VR2BG	837,344	
M0SDX	1,529,496	CN8KD	778,128	Multioperator		
S58A	1,525,188	LP7H	745,150	LT1F	3,151,780	
UA2FB	1,362,930	(LU9HS, op)		CX5BW	2,767,008	
Phone Only, QRP			GM4YXI	743,490	ZW5B	2,606,310
KP4KE	366,750	CW Only, QRP			LQ7D	2,572,612
CT7BOP	154,320	AY7EE	250,880	P40K	2,272,952	
(CT1BOP, op)		JA1YNE	233,640	PJ2T	2,109,710	
LU1VK	95,076	(JR1NKN, op)		T15N	2,154,600	
		SP5DDJ	182,304	RW6AWT	2,109,990	
		UA0KCL/3	178,976	ON4UN	1,873,400	
				KL7RA	1,783,554	

CT1BOP, operating CT7BOP. Mac, JA2JSF, posted the top score from Asia while Ron, AH6RH, claimed the category for Oceania. Francisco, LU1VK, finished with the top score from South America.

Arnoldo, AY7EE, set the pace in the CW Only category with a new South American record for the category. Within shouting distance in second place and winning Asia was Atsushi, JR1NKN, operating as JA1YNE, who said "I enjoyed good propagation. I felt as if I were in Stateside. Thank you all." Salwa, SP5DDJ, led the European entrants in the category and finished third overall. Winning Oceania was Dale, DU7/N7ET, while Rudi, ZS6DX, set a new scoring mark for Africa.

DX Single Operator Low Power Categories

Three of the top four stations in the Mixed Mode category were able to up the ante on their continental records. Winning the overall category and setting a new South American standard was Didier, FY5FY, who comfortably outscored Norm, W9AU, who operated as C6ANK and posted the top score from North America, by over one million points. Filipe, CT1ILT and Champ, XW1IC, finished third and fourth as they set new continental records for Europe and Asia, respectively. Andrei, ZL1TM, was tops in Oceania and Heijo, EA8/DJ1OJ, took top honors in Africa.

Jacobo, P43P, operated as P40B and set a new South American category record in winning the Phone Only competition. His nearest challenge came from Wanderley, PY2MNL, operating as ZX2B. Dani, XT2TI, submitted the winning log from Africa while finishing third overall. Fourth overall and tops from North America was Guenter, HO1A.

The best European score (and seventh place overall) came from Gulli, TF8GX. The winner from Asia was Shizuo, JA1SWB, and Bernie, VK4EJ, was tops in Oceania.

CW Only witnessed a runaway winner in the form of North American champion Eric, NP3A, operating from the NP4Z station. Eric was almost 300k ahead of Josep, EA6ACC, who took first place among European entrants. The only continental record in the category was set by Oceania champion Aki, ZL1GO, who finished in fifth place overall. Rounding out the continental winners were Bob, SU9US, in Africa and sixth overall, seventh place overall Seiichiro, JF1SQC in Asia, and Hugo, LU1EWL, for South America.

DX Single Operator High Power Categories

After the ZD8Z and 8P9Z records, third place was claimed by yet another continental record-setting performance. Mike, KH6ND, dominated Oceania from the

KH7R QTH using the call sign KH7X. Fourth place finisher Robert, 9A5E, was the top European score, though not a new continental record. Akira, JA8RWU, while not finishing in the top ten did manage to take the top score for Asia in the 2002 contest. Finally Paulo, PV8DX, was the top score submitted from South America.

Besides Fabio, D44TD (Africa) just one more Phone Only station managed to set a new continental record—category runner-up Sergio, operating ZX5J for the South American record. Stan, K8MJZ, operating as WP2Z, finished third with just over one million points to win the North American title. Joseph, F6CTT, operator of TM5C, was the top scoring European during the event, finishing sixth overall, while Oceania was won by Martin, ZL1ANJ, and Asia by Nobuo, JA6GCE.

Another familiar operator, Bruce, ZF2NT, led the way in the CW Only category with a score of 1.5 Megapoints and the North American win for 2002. Joining Bruce near the top of the box was the top Asian score posted by JY9NX, being operated by Koji, JM1CAX. Third place finisher Rafael, PY2NDX, was the top scoring station from South America while R.C., 9A3LG, opped the 9A5Y station to the European title and a fourth place finish overall. John, VK4EMM, rounded out the continental winners by taking Oceania.

DX Multioperator

Only one continental record was set in the Multioperator category, posted by the category winners at LT1F in South America. The operators included LU1FAM, LU1FGE, LU1FJ, LU1FKR, LU1FT, LU3FZW and LU5DX. The runner-up, also from South America, was the CX5BW entry, with CX7BY, CX8CO, and CX4DX assisting in their 36 hours of operation. TI5N, with KD3TB, TI3TLS, TI2WGO, and TI5KD running the show, was next, posting the top North American score. RW6AWT used the skills of RN6BN, RA6CO, RA6CM, and RU6CQ to take top honors among European entrants and RT9W with RU9WX, RX9WR, RW9WW, and RA9WR taking turns in the chair placed first among Asians. Finally ZL6QH ranked number one in Oceania with ZL2AOV and ZL2BSJ sharing the workload.

W/VE QRP Categories

QRP operations continue to grow. A total of 279 Single Operator QRP entries were received in the three categories—approximately 9% of all contest entries received. Almost half of the QRP entries were from CW-only operators (135) followed by Phone Only (78) and Mixed Mode (65). There were also four multi-operator entries that ran QRP.

Fred, KG9X (IL), summed up his effort by saying “What an exhausting contest for me. It felt like I was doing a Sprint for 32 hours!” Well, if that’s the case we all had better beware of Fred in the next Sprint, as he took top honors in the Mixed Mode category. Actually runner-up Dick, K9OM (NFL), was able to best Fred by more than 50 QSOs. Fred’s 42k margin of victory was built by finding 31 additional multipliers during the weekend. Frank, NA4CW (SFL), managed to pull in 219 multipliers (third best in the category) to go along with 869 QSOs to place third in the category.

Phone Only QRP is a challenge to say the least when you are trying to break pile-ups against stations running twenty or more times your power. Jeff, NX9T (NC) slugged his way through the competition to rack up 615 QSOs and 124 mults (second most world wide in the category) in bringing the championship home, also setting a new Roanoke Division record in the process. Two other stations, Jeff, NJ2F (SFL), and Dick, K4LOG (WCF), also managed to break the 100k point barrier for second and third positions, but neither was within 100 QSOs or 10 multipliers of the winner.

Most people think of CW when they think of QRP operation, and several excellent efforts were posted in this category. Leading the way was Doug, VE5UF (SK), who set a new Canadian record with his 522k point effort. Doug was the only



Mike, WA2FHF, took a break in SC while touring the United States in his classic 1976 Bluebird Wanderlodge motor home to get into the contest.

QRP CW operator to surpass the 1000 QSO mark, and also finished second in the category with 120 multipliers in the log. Giving him a hard run was Dale, KG5U (STX), who finished second in total QSOs and third in multipliers and set a new West Gulf mark.

W/VE Low Power Categories

Low Power is the most popular set of entry categories in this contest, as nearly 60% of all entries received operated at this power level. The activity level for this year’s contest allowed 10 ARRL division records to fall in the three single operator categories.

Ken, K6LA, abandoned the friendly warm climate of southern California to venture to the uncertain weather of Canadian Maritime provinces and operated as VY2TT from Prince Edward Island. The move paid off as Ken easily took the Single Operator Mixed Mode title, posting a substantial 476k points more than runner-up and top US scorer Jeff, N8II (WV). Ken’s score of 1,823,760 is also a new Canadian record.

The Single Operator Phone Only category featured the closest race in any W/VE category. Emil, W3EP (CT), and Dick, W7ZR (AZ) duked it out and it was again the battle of the multipliers making the difference. In the end Dick’s QSO margin of 91 was not able to offset Emil’s margin of 10 multipliers, and Emil won the category by a mere 1544 points. One additional multiplier for Dick would have changed the order of finish. Emil also established a New England category record, joining fourth place finisher Don, W8DD (OH), who set a Great Lakes Division record.

Dan, K1TO (WCF), half of the three-time defending champion duo of the WRTC, entered in the Single Operator CW Only category. The collective groan you heard was from his fellow competitors. Many gave it a valiant try, but none was able to match Dan’s effort, as he worked 35% more stations than his nearest competitor and was only tied by runner-up Dallas, W3PP (DE) in the

multiplier battle. Dan’s winning score of 1,218,000 set the W/VE category record as well as the new mark for the Southeastern Division. Dallas did set a new Atlantic Division record with his runner-up score.

W/VE High Power Categories

In the Single Operator Mixed Mode High power category, the trend of the station with the most multipliers holding off the QSO machine did not hold up. In the battle of the Indiana section, Mike, W9RE used his 202 additional QSOs to hold off another Mike, K9NW (IN), who had 7 additional multipliers. The margin of difference was about 47k points. Mike’s score is also a new Central division record.

The South Texas section can claim the only participant in the Single Operator Phone competition to crack the one million-point barrier. Chuck, W5PR, finished a comfortable 63k points ahead of Bill, K4XS (WCF).

High Power CW always means a slugfest between some of the better CW operators on the air. This year was no exception, as less than 200k points, 396 QSOs or 13 multipliers separated the top 10. Dave, N2NL (SFL), took top honors in this highly competitive category holding off nearest opponents Rick, K7GM (NC), and Alex, LZ4AX operating K3CR (WPA), the Penn State University station. Alex’s score is a new Atlantic Division record.

W/VE Multioperator

The Multioperator category really means a lot of strategy and planning. A multiop station can not be transmitting more than a single signal at any time. Several multioperator stations seem not to understand that they are limited to operating only 36 of the 48 hours of the contest period. Understanding strategy and the rules is important for the category.

Leading the way in 2002 among W/VE multioperator stations was N2NT (NNJ), who was joined by W2RQ and N2NC. They posted a comfortable 244k margin of victory over NX5M (STX) operating

Scores

Scores are listed by DXCC Countries and ARRL / RAC Sections. Line scores list call sign, score, QSOs, multipliers, class (A = Mixed Mode, B = Phone only, C = CW only, D = Multioperator), and power (A = QRP, B = Low Power, C = High Power). Note: there is no power differentiation in the Multioperator category.

Africa		Saudi Arabia		Jordan	
Lesotho	7Z1SJ 63,792 445 72 B B	Japan	J11AQY 38,400 161 60 C A	JY9NX (JM1CAX, op)	1,256,112 2204 143 C C
7P8ZZ (ZS6WPX, op)			JH2OMM 2,048 32 16 C A		
397,062 1551 129 B C			7N3KVN 960 21 12 C A		
Morocco			JJ1LRD 400 11 10 C A	Lebanon	
CN8KD 778,128 2512 156 B C			JA1GTF 320 10 8 C A	ODS/OK1MU1,025,3521828141C C	
CN8YR 49,088 213 59 C B			JF1SQC 499,488 1044 121 C B	Turkey	
Madeira Islands			J11RXQ 455,860 999 115 C B	YM2RC (TA2RC, op)	73,964 451 82 B B
CT3KN 482,664 691 204 A B			J17NUF 393,176 838 118 C B		
Cape Verde			JH1AZO 375,232 929 104 C B	Asiatic Russia	
D44TD (I4UFH, op)			JM1LRQ 349,440 843 105 C B	RX9SR 224,256 570 128 A A	
1,815,120 5085 180 B C			JH0NVX 335,936 731 116 C B	RZ9IB 72,226 317 67 A A	
Canary Islands			JA7YQV (JQ1UKK, op)	RK9CZO (RX9CAZ, op)	
EA8/DJ1OJ489,450 738 195 A B			322,272 753 108 C B	384,846 816 147 A B	
EA8BU 47,728 315 76 B B			JF7PHE 303,600 769 100 C B	RK9CR 86,632 312 98 A B	
EA8ZZ 2 1 1 B B			JA1BNW 270,840 617 111 C B	UA9OUB 81,600 346 75 A B	
EA8CN 326,368 662 124 C B			JA1NLX 269,600 686 100 C B	RU0AT 45,962 191 67 A B	
EA8AVK 118,192 343 89 C B			JN1NOP 240,384 631 96 C B	UA9MR 28,324 135 73 A B	
Egypt			JA0EMS 227,620 608 95 C B	UA9WN 18,910 93 61 A B	
SU9U 509,684 1175 109 C B			JE2HCJ 200,976 482 106 C B	RW9IM 15,752 97 44 A B	
Burkina Faso			JE6EK 182,728 518 91 C B	RA0CL 768 24 12 A B	
XT2TI 460,080 1717 135 B B			JA5APU 175,764 464 97 C B	UA9CDV 909,568 1411 209 A C	
Ascension Island			JG3LGD 148,568 385 98 C B	RZ9HG 686,736 1332 171 A C	
ZD8Z (N6TJ, op)			JA2KKA 136,416 401 87 C B	UA9KM 625,664 1093 188 A C	
4,705,696 5065 307 A C			JA5ATN 116,864 337 88 C B	UA9ZZ 481,896 1124 138 A C	
South Africa			JA3HFB 107,672 314 86 C B	UA0CA 329,232 857 152 A C	
ZS0E (ZS6AJS, op)			JA6CYL 99,968 289 88 C B	UA9FM 214,130 528 133 A C	
14,112 86 42 A C			JA1EMQ 93,184 266 91 C B	RW9TA 192,800 588 100 A C	
ZS4BS 12,672 101 64 B B			JJ1GQH 89,748 277 81 C B	RA9ST 91,200 324 96 A C	
ZS9P (ZS6PHD, op)			JA7ARW 76,788 245 79 C B	UA9SP 57,672 184 81 A C	
11,856 105 57 B B			JJ6TWQ 63,200 200 79 C B	UA9HR 36,192 267 52 A C	
ZS6RAE 5,040 63 40 B B			JA2VZL 55,200 203 69 C B	RA9FEL 63,630 506 63 B B	
ZS5NK 263,444 994 134 B C			JA4AQR 54,112 186 76 C B	UA9XOJ 48,608 393 62 B B	
ZS6DX 136,964 364 97 C A			JP1SRG 52,392 183 74 C B	UA9LAU 46,400 407 58 B B	
Asia			JM7TKK 51,456 196 67 C B	UA9ACJ 33,516 295 57 B B	
Georgia			JO2SLZ 49,504 183 68 C B	RV9MA 19,800 154 66 B B	
4L8A 944,772 1817 131 C C			JA3DAY 44,968 158 73 C B	RZ9UF 9,120 120 38 B B	
Israel			JF7GDF 33,912 161 54 C B	UA0FBS 9,090 101 45 B B	
4X1VF 35,420 301 55 A B			JL7AIA 33,176 148 58 C B	RA9UA 4,160 69 32 B B	
4X0X (4Z5AX, op)			JG0EXP 31,992 135 62 C B	UA9LP 49,312 368 67 B C	
242,028 765 81 C B			JN7OJA 30,360 138 55 C B	RW0CF 38,088 281 69 B C	
4Z5FW 36,432 250 36 C B			JA2QVP 25,908 128 51 C B	RV9BB 15,456 142 56 C C	
Cyprus			JA2KCY 25,740 120 55 C B	RV9BI 11,792 138 44 B C	
5B4AHA 491,040 1136 110 C B			JA1IE 22,464 118 48 C B	UA0KCL/3	
West Malaysia			JH4UTP 20,064 117 44 C B	178,976 476 94 C A	
9M2TO 257,372 725 94 A B			JO1WIZ 16,744 91 46 C B	RU0LL 10,504 102 26 C A	
9M2/G4ZFE397,4801056 95 C C			JK8NLB 14,136 94 38 C B	UA9OA 224,640 784 72 C B	
Singapore			JA3HC 11,972 75 41 C B	RW9UNT 177,148 671 67 C B	
9V1UV 14,200 142 50 B B			JH1PXY 11,692 79 37 C B	UA9WZ 116,928 341 87 C B	
9V1YC 73,564 348 53 C C			JA1GS 10,952 74 37 C B	RA9FF 115,440 370 78 C B	
United Arab Emirates			JR3NDM 10,508 79 37 C B	UA9OFF 94,176 452 54 C B	
A61AV 42,188 398 53 B B			JM1KNI 10,032 66 38 C B	UA9OC 50,616 223 57 C B	
Taiwan			JA1EJD 9,840 63 41 C B	RA9WV 40,612 143 71 C B	
BW3/UA3VCS			JK1AFI 6,612 58 29 C B	UA9CR 23,128 120 49 C B	
502,112 1011 142 A B			JH1MTR 5,000 50 25 C B	RV9CLF 19,656 135 39 C B	
BV7FF 111,232 363 79 C C			JR2TMB 4,760 35 34 C B	UA9OSV 10,168 82 31 C B	
Kyrgyzstan			JA1HHU 3,360 40 21 C B	RW9QA 7,668 72 27 C B	
EX8O 18,860 209 46 A C			JA1AZS 2,184 28 21 C B	UA9DD 2,604 34 21 C B	
EX8AA 44,004 396 57 B B			JA7AXP 1,120 20 14 C B	UA9JKA 369,292 854 109 C C	
EX2T 161,576 1063 76 B C			JH7IMX 588 21 7 C B	RX9TX 160,272 480 84 C C	
EX2X 12,932 61 53 C B			JJ6WYS 324 10 9 C B	UA0ANW 140,400 548 65 C C	
Tajikistan			JO7EGJ/1 144 6 6 C B	RK9CWW (UA9CIR, op)	960 16 15 C C
EY8MM 83,096 613 68 B B			JG11LF 850,816 1580 136 C C	RT9W (RU9WX, RX9WR, RW9WW, RA9WR, ops)	1,273,806 1677 243 D
South Korea			JH3AIU 775,656 1554 126 C C	RK9JWR (RA9JR, RV9JR, ops)	774,648 1476 174 D
HL2FDW 321,920 660 160 A B			J11CQA 130,476 399 83 C C	RK0SYY (+UA0SR)	43,924 192 79 D
HL1/WX8C 16,032 102 48 A B			JA1PS 104,248 314 83 C C	Kazakhstan	
HL3GOB 102,900 535 98 B C			JA2VQF 59,040 213 72 C C	UN6G 415,344 941 136 A B	
HL5UOG 79,048 241 82 C C			JO1QZI 48,544 164 74 C C	UN4PD 263,340 617 126 A B	
Thailand			J11EFP 43,240 243 46 C C	UNQ1D 107,066 807 67 B B	
HS0ZCW (K4VUD, op)			JE2WVWB 16,872 120 37 C C	UN5J 353,220 1018 87 C B	
6,624 92 36 B B			JA9CJW 16,128 84 48 C C	UN4PD 84,016 361 59 C B	
Tajikistan			JL1ANP 7,680 63 30 C C	UN7EX 24,960 104 60 C B	
EY8MM 83,096 613 68 B B			JA1CSB 312 13 6 C C	UN4L (RN9AO, UN7LF, UN9LY, UN9LN, ops)	928,700 1680 185 D
South Korea			7M4QNP 280 10 7 C C	Hong Kong	
HL2FDW 321,920 660 160 A B			JR1YRI (JF4CZL, JR4PMX, ops)	VR2BG 831,232 1532 136 C C	
HL1/WX8C 16,032 102 48 A B			446,068 780 178 D	India	
HL3GOB 102,900 535 98 B C			JG2REJ (+packet)	VU2UR 27,144 119 58 C B	
HL5UOG 79,048 241 82 C C			4,440 60 37 D		
Thailand			JJ3YBB (JA3PJL, JA3FHL, JA3OOK, JH3FQF, JF3RLG, J S3VEX, ops)		
HS0ZCW (K4VUD, op)			1,134,972 1927 226 D		
6,624 92 36 B B			JA2ZJW (JH2CMI, JH2SON, ops)		
Tajikistan			999,768 1509 231 D		
EY8MM 83,096 613 68 B B			JA1YPA (JA1PEJ, JH1FDP, ops)		
South Korea			534,040 989 158 D		
HL2FDW 321,920 660 160 A B			JA3AOP (+JA3PYC, JJ3TBB)		
HL1/WX8C 16,032 102 48 A B			181,710 431 135 D		
HL3GOB 102,900 535 98 B C			JJ1BDX (+packet)		
HL5UOG 79,048 241 82 C C			82,388 251 86 D		

Laos				DL3KWR	5,292	49	27	C	B	ER1CW	4,752	54	22	C	A	M0COP	59,976	296	102	B	B												
XW11C	1,188,826	2073	199	A	B	DL4AAE	2,880	30	24	C	B	ER1EA	20,544	107	48	C	G4NXG	44,884	235	98	B	B											
UK Sov. Base Areas on Cyprus				DL1IAO	799,696	1334	151	C	C	Estonia				M0DDT	40,152	248	84	B	B	M5UGC	21,114	155	69	B	B								
ZC4DW	373,296	926	101	C	B	DL4MCF	583,740	1103	135	C	C	ES5RY	388,690	547	235	A	B	G0EYO	4,026	62	33	B	B	G3YMC	115,584	341	86	C	A				
ZC4VG	20,140	97	53	C	B	DL0LD (K5NZ,op)	510,032	1016	127	C	C	ES4RC	87,246	235	131	A	B	G0DCK	97,280	311	80	C	A	G2HLU	51,408	197	68	C	A				
Europe				DL4CF	386,400	849	115	C	C	ES6PZ	364,014	605	189	A	B	G4KFT	244,664	515	119	C	B	G3RSD	211,680	494	108	C	B	G3KPK	200,124	464	109	C	B
Croatia				DL4WA	276,588	594	117	C	C	ES8SW	15,080	146	52	B	A	G3LHJ	167,528	494	86	C	B	M4T (G0VQR, op)											
9A8RA	1,640	23	20	A	B	DL7BY	239,112	502	123	C	C	ES5RW	156,348	606	129	B	B	95,480				312	77	C	B								
9A5E	1,954,310	2175	293	A	C	DL8KJ	65,520	206	84	C	C	ES9QX	693,836	1221	143	C	C	47,972				179	67	C	B								
9A7ZZ	33,756	196	87	B	A	DL3YA	48,576	184	69	C	C	Belarus				G3RZJ				45,440	160	71	C	B									
9A7DM	266,880	966	139	B	B	DK4RL	10,500	76	35	C	C	EW1CQ	153,600	320	128	A	B	G0RDO				19,200	98	50	C	B							
9A4VM	42,456	251	87	B	B	DF9ZP (+DK8ZB)	1,472,276	1799	299	D	D	EU6TV	72,716	239	98	A	B	M7M (G0CKP, op)				772,416	1353	144	C	C							
9A4LT	16,520	141	59	B	B	DF0WA (+DF5UL, DL1GBQ, DL2MEH)	967,740	1371	254	D	D	EW6OO	23,288	107	71	A	B	G4BUO				224,640	545	104	C	C							
9A3ZO	1,886	41	23	B	B	Spain				E06G				89,300	476	95	B	B	G4BWP				30,368	149	52	C	C						
9A7P (9A5AEI, op)	278,832	634	111	C	B	EA1BP	20,400	117	68	A	A	EW1GA	38,456	253	76	B	B	M4U (M0CGE, G4YJQ, G4FTP, G0DVJ, ops)				133,500	469	125	D	D							
9A7V	154,912	378	103	C	B	EA5AER	831,888	1241	218	A	B	EW1ABF	16,320	160	51	B	B	M2Z (M5RIC, M5MKW, G2FHF, ops)				65,988	357	94	D	D							
9A4MF	27,440	98	70	C	B	EA1AK	730,102	1035	223	A	B	EU6NN	4,356	104	22	B	B	M5X (G0IVZ, G4TSH, ops)				1,624,760	1579	302	D	D							
9A5Y (9A3LG, op)	1,028,856	1587	163	C	C	EA4KR	590,784	851	204	A	B	EW8DA	2,146	37	29	B	B	M5ZAP (+M0TTT)				1,612,116	1798	297	D	D							
9A4PA	745,880	1298	145	C	C	EA7KJ	316,500	585	150	A	B	EW2AA	244,320	512	120	C	B	M6T (G0AKC, G4BAH, G4PIQ, ops)				1,056,632	1380	269	D	D							
9A1CZZ (+9A3LM)	128,800	332	112	D	D	EA7RM	172,544	388	128	A	B	EU6DX	109,792	294	94	C	B	G5X (G4RCG, G4RQI, G0RUZ, ops)				1,027,374	1446	249	D	D							
Malta				EA4ST	81,536	264	98	A	B	EW6MM	90,272	254	91	C	B	G3UUV (+G0HAS)				532,068	1059	202	D	D									
9H1ZA	1,016,400	1665	154	C	C	EA7HE	7,052	86	41	A	B	EW8DX	21,344	120	46	C	B	G3SSO (G3LVP, G0HVQ, ops)				315,756	679	179	D	D							
Portugal				EA2AAZ	2,604	38	31	A	B	EW6BI	2,160	27	20	C	B	M0CUS (+ M3SDE)				195,932	688	146	D	D									
CT1ILT	1,217,050	1672	241	A	B	EA5HT	551,936	885	196	A	B	EW8EW	695,400	1171	150	C	C	G4DRS (+G4JQL)				164,424	338	156	D	D							
CT7BOP (CT1BOP, op)	154,320	648	120	B	A	EA7NK	386,312	756	172	A	C	France				G3TXF (+packet)				27,972	111	63	D	D									
CT1EAT	284,328	1083	132	B	B	EC4ABK	6,952	83	44	B	A	F5NLY	636,944	811	242	A	B	Isle of Man				GD0EMG (G1GEY, op)				406,392	832	177	A	C			
CT2HWP	20,700	155	69	B	B	EA4BT	264,410	972	137	B	B	F5JY	423,096	722	204	A	B	Northern Ireland				G14FUM				132,160	561	118	B	B			
CT1FAC	10,584	110	49	B	B	EA3FCQ	190,620	708	135	B	B	F5RAB	217,940	420	170	A	C	Scotland				GM0EGI				83,304	343	117	A	B			
CT1ESQ	288	15	12	B	B	EA3CI	179,010	666	135	B	B	F8CGL	22,704	178	66	B	A	G04YUZ				9,212	87	49	A	B							
CT1AHU	358,540	1394	130	B	C	EA7IA	117,600	495	120	B	B	F8ABN	164,020	706	118	B	B	GM4FDM				511,664	816	226	A	C							
CQ9K (CT3BD, CT3DL, CT3EE, CT3EN, CT3HK, CT3IA, CT3IQ, CT3KU, CT3KY, ops)	833,856	2020	202	D	D	EA1BIM	94,160	435	110	B	B	F8AAN	164,020	706	118	B	B	GM4ELV				14,396	122	59	B	A							
Fed. Rep. of Germany				EA4BPJ	12,480	122	52	B	B	EA5TN	2,646	49	27	B	B	GM4YXI				743,490	2258	165	B	C									
DL1DQY	31,042	130	83	A	A	EA5AAJ	44,954	247	91	B	B	F5UTN	109,180	549	103	B	B	MM7I				250,020	936	135	B	C							
DJ9DZ	249,984	561	112	A	B	EA1KX	43,254	246	89	B	B	F5LIW	103,840	445	118	B	B	GM3JKS				420,264	909	117	C	C							
DL3ZAI	135,960	317	132	A	B	EA3MR	30,192	205	74	B	B	F6KZC (F5IRY, op)	84,456	395	108	B	B	GM3YTS				315,044	702	113	C	C							
DL8HCO	99,182	293	101	A	B	EA7EWX	17,688	134	66	B	B	F6KCP (F5VHN, op)	78,864	383	106	B	B	GM3CFS				127,448	357	89	C	C							
DJ5IW	63,504	192	108	A	B	EA4BET	12,480	122	52	B	B	F5RRO	35,030	155	113	B	B	MM0BQI (+packet)				74,580	201	113	D	D							
DJ2YE	56,950	204	85	A	B	EA1ET	10,706	102	53	B	B	F6CLM	3,968	62	32	B	B	Guernsey				GU0SUP				87,576	247	89	C	B			
DL6DVU	3,630	43	33	A	B	EA3NA	9,400	100	47	B	B	TM5C (F6CTT, op)	858,000	2610	165	B	C	Wales				MW5W (MW5HOC, op)				19,760	155	65	B	A			
DL5ANS	126	7	7	A	B	EC1DLG	8,640	90	48	B	B	TM2V (F6GLH, op)	628,628	2044	154	B	C	GW4ALG				115,784	355	82	C	A							
DK3KD	618,450	982	217	A	C	EA3DVJ	8,112	78	52	B	B	TM5A	384,878	1482	131	B	C	GW3NJW				172,344	505	86	C	C							
DF7YU	258,912	900	144	B	B	EA1EDF	7,566	97	39	B	B	F8CFU	293,192	1137	134	B	C	MW2I (G4VXE, GW4JBQ, GW5NF, ops)				753,840	1179	216	D	D							
DH5AO	82,992	370	114	B	B	EA3DUZ	6,210	69	45	B	B	F5BBD	170,702	635	137	C	A	Hungary				HG5Z				55,616	202	79	A	A			
DK7DV	30,814	217	71	B	B	EA3FHP	6,080	80	38	B	B	F6FTB	60,480	211	72	C	A	HA6NF				973,080	1311	265	A	B							
DL2QT	24,840	181	69	B	B	EA1AAW	3,528	50	36	B	B	F5NLX	22,272	116	48	C	A	HG9M				106,384	285	122	A	B							
DL6KAC	15,840	121	66	B	B	EA5TN	2,646	49	27	B	B	F5CBQ	12,848	77	44	C	A	HG8W				607,760	982	214	A	C							
DL7DH	9,504	99	48	B	B	EC4AAI	2,460	41	30	B	B	F6HJO	5,440	43	34	C	A	HA5ORK				6,400	100	32	B	A							
DL4NT	9,212	97	49	B	B	EA3AKA	2,052	38	27	B	B	F8BPN	267,344	691	98	C	B	HA9MDP				15,312	138	58	B	B							
DK6BT	5,016	66	38	B	B	EA4CU	162	9	9	B	B	F5JJK	253,880	581	110	C	B	HA1CW				5,940	55	27	C	A							
DH6YMC	2,760	46	30	B	B	EA5DFV	438,656	1491	149	B	C	F5UKL	238,728	629	98	C	B	HA8FK				349,776	701	126	C	B							
DL2ARD	638,280	1984	162	C	B	EA3APS	48,076	238	101	B	C	F6AUS	214,144	499	112	C	B	HA6NL				272,936	632	109	C	B							
DH1NFL	425,470	1368	157	B	C	EA1DFP	2,320	40	29	C	B	F5OIH	77,216	259	76	C	B	HA5PT				36,720	156	60	C	B							
DF3KV	416,628	1288	163	C	B	EA7AAW	127,696	352	92	C	A	F8ATS	76,212	219	87	C	B	HA8TI				235,440	542	109	C	C							
DJ3HJ	205,800	735	140	B	C	EA7UU	59,640	216	71	C	A	F5PLC	73,920	267	70	C	B	HA0HW				143,780	397	91	C	C							
DM5TI	160,160	723	112	B	C	EA2AZ	447,048	898	126	C	B	F6DZD	19,440	109	45	C	B	HG1W (HA1YA, HA1WD, ops)				855,120	1404	210	D	D							
DL7JAN	105,576	498	106	C	B	EA7WA	434,176	850	128	C	B	F5JBR	15,488	89	44	C	B	Switzerland				HB9HFM				31,488	136	64	A	C			
DL5ME	43,848	348	63	B	C	EA7AJR	341,744	811	106																								

HB9ARF	256,128	555	116	C	B	Lithuania	OK1GI	233,856	534	112	C	B	OZ4O	37,184	168	56	C	B						
HB9DCM	156,400	397	100	C	B	LY3BA	778,796	1057	226	A	B	OK2MBP	197,960	495	101	C	B	OZ5ESB	(OZ1CWP, OZ1INN, ops)					
HB9CPS	30,688	137	56	C	B	LY2OX	835,830	1074	251	A	C	OK1AY	170,800	435	100	C	B		211,044	824	129	D		
HB9APJ	165,640	410	101	C	C	LY2DM	144,432	623	118	B	B	OK1AES	152,852	378	103	C	B	OZ1ADL	(+packet)					
HB9FBM	10,292	87	31	C	C	LY3CY	33,872	234	73	B	B	OK1AYY	97,608	296	83	C	B		205,500	696	150	D		
HB9FAP (+ HB9CXZ)						LY3BH	69,368	389	92	B	C	OK2PBG	85,280	260	82	C	B	Netherlands						
	777,384	1070	244	D	LY3BM	139,552	359	98	C	B	OK1GS	78,624	280	72	C	B	PA0MIR	301,584	540	183	A	B		
HB9EP (HB9DOS, HB9FBL, HB9DQP, HB9YC, ops)	241,280	542	160	D	LY2MF	97,504	289	88	C	B	OK2BND	78,540	259	77	C	B	PA3FNE	226,404	506	171	A	B		
Italy						LY2AT	97,440	287	87	C	B	OK2KJ	68,728	246	71	C	B	PA7RA	79,380	233	126	A	B	
IK2QPR	113,050	333	133	A	B	LY2OU	36,456	147	62	C	B	OK2VX	67,268	255	67	C	B	PA3HGF	34,408	143	68	A	B	
IT9ORA	51,680	174	80	A	B	LY2FN	27,376	119	58	C	B	OK1AXB	63,072	219	73	C	B	PA0EHF	3,060	41	34	A	B	
IK3ORD	51,660	234	90	A	B	LY7Z (LY2TA, op)						OK1SI	62,016	231	68	C	B	PA0JNH	193,392	419	153	A	C	
IK2WYI	23,004	112	54	A	B		738,968	1309	142	C	C	OK2FB	55,160	198	70	C	B	PA5DL	3,996	56	37	B	A	
I2WIJ	14,036	78	58	A	B	LY4AA	588,588	1036	143	C	C	OK2BNC	47,748	173	69	C	B	PA9T	2,080	53	20	B	A	
IN3FHE	2,552	32	29	A	B	LY2KM	267,152	581	118	C	C	OK1DSX	42,704	163	68	C	B	PA1TT	102,108	384	134	B	B	
I2SVA	450,120	649	220	A	C	LY3AV (LY1CX, op)						OK1DKM	35,280	140	63	C	B	PA0KHS	75,600	354	108	B	B	
IC8POF	212,176	525	149	A	C		230,520	568	102	C	C	OK1AOU	26,416	127	52	C	B	PA9RM	57,780	321	90	B	B	
IZ3ESV	30,774	225	69	B	A	LY1YK (LY2CO, LY2FY, LY3CI, ops)						OK2SG	16,464	99	42	C	B	PA1RBZ	51,192	320	81	B	B	
IK5WVGK	3,922	53	37	B	A		918,000	1173	255	D	OK2NA	16,128	97	42	C	B	PA1PAT	25,560	182	71	B	B		
IT9VCE	2,600	50	26	B	A	LY2CY (+packet)						OK2PAD	15,228	84	47	C	B	PA3GZC	18,582	163	57	B	B	
IK0OTJ	340	17	10	B	A		75,440	204	115	D	OK1FCA	13,664	122	28	C	B	PA3GGW	13,568	133	53	B	B		
IK5RUP	147,028	631	118	B	B	Bulgaria	LZ9W	1,068,144	1526	238	A	B	OK2SWD	2,320	32	20	C	B	PA7DA	9,120	76	60	B	B
IZ2DVI	29,328	157	94	B	B	LZ2BE	656,200	1011	193	A	B	OK1FCJ	314,432	586	136	C	C	PA1FIB	3,400	54	34	B	B	
IZ2ACG	28,730	169	85	B	B	LZ2GS	308,112	540	168	A	B	OK1DUT	274,256	574	122	C	C	PA3DVA	1,408	32	22	B	B	
IZ2ABN	25,840	156	85	B	B	LZ5ZI	91,740	296	110	A	B	OK2ABU	225,144	537	106	C	C	PA0RBS	1,344	32	21	B	B	
IK2THN	15,730	122	65	B	B	LZ2UZ	64,480	269	65	A	B	OK2PDT	139,080	368	95	C	C	PA1GS	240	12	10	B	B	
IK81FW	11,480	144	41	B	B	LZ1NG	1,120,980	1640	238	A	C	OL4M	138,976	411	86	C	C	PA0JJM	258,048	1022	128	B	C	
IK2WZQ	8,722	90	49	B	B	LZ9X	818,040	1402	204	A	C	OK1DOS	78,624	258	78	C	C	PA3FQA	183,960	632	146	B	C	
IK7UJK	5,016	67	38	B	B	LZ1HB	90,582	488	93	B	B	OL7R (OK1XUV, OK1VWK, OK1WVMV, ops)						PA9KT	152,190	872	89	B	C	
IK2THP	2,204	39	29	B	B	LZ1AQ	101,568	277	92	C	B		826,148	1100	241	D	PA3FSC	13,440	84	40	C	A		
IK3UNA	420,576	1358	156	B	C	LZ9R (LZ3YY, op)						OK2ZC (+packet)						PA0JED	253,880	587	110	C	B	
IK2EAD	298,614	967	157	B	C		50,432	197	64	C	B		398,840	783	130	D	PA3AAV	233,856	525	112	C	B		
IV3OWC	266,288	1003	136	C	B	LZ4BU	8,064	56	36	C	B	Slovakia							PA3EMN	158,976	420	96	C	B
IK8HCG	206,456	795	131	B	C	LZ3DP	1,320	22	15	C	B	OM7JG	202,200	417	150	A	B	PA0INA	88,312	266	83	C	B	
I1COB	144,378	628	117	B	C	Austria	OE8Q (OE8SKQ, op)						OM4DN	64,410	306	95	A	B	PA5EA	73,440	209	90	C	B
IK2SAU	140,616	661	108	C	B		1,059,366	1667	231	A	C	OM5DX	871,856	1397	232	A	C	PA0BWL	59,640	213	71	C	B	
IK4UPB	129,600	657	100	C	B	OE1EMS	541,926	1702	161	B	C	OM5M (OM4DW, op)						PA1MW	48,416	188	68	C	B	
IZ4AFW	84,744	397	107	B	C	Finland	OH4R (OH4JFN, op)						OM5AA	378,396	1377	138	B	C	PA3ELD	32,256	146	56	C	B
IK1HSS	67,512	349	97	B	C	OH4R	301,568	624	152	A	B	OM7PY	190,756	468	103	C	B	PA3AFF	18,620	103	49	C	B	
IT9ZMX	25,608	203	66	B	C	OH1F (OH1NOA, op)						OM3PQ	78,000	264	75	C	B	PA3BFH	16,296	98	42	C	B	
IZ6CST	9,000	100	45	C	B	OH1F	1,258,488	1637	252	A	C	OM7VF	71,416	243	79	C	B	PA5WT	194,000	493	100	C	C	
IV3BKH	3,248	58	28	B	C	OH6NIO	1,062,234	1338	249	A	C	OM7AG	56,800	200	71	C	B	PA2ALF	4,600	48	25	C	C	
I3MLU (IZ3EYZ, op)						OH4RH	315,840	583	168	A	C	OM7YC	45,140	192	61	C	B	PA6Z (PA0TEN, PA1AT, PA2AWU, PA2PKZ, PA3HEP, PA5CA, PA5RA, PD5GS, ops)						
	540,864	946	144	C	B	OH3JR	80,784	215	136	A	C	OM7AT	40,560	169	60	C	B		730,230	1094	241	D		
IK7JWY	538,144	1010	134	C	B	OH3R (OH3TY, op)						OM3RM	395,808	804	124	C	C	PI4RCK (+PA2HDY, PA3DEU, PA3GZM, PB7CW, PE1PZF)						
IK6SNQ	429,568	855	128	C	B	OH2RA	285,152	1082	133	B	C	OM8AG	94,860	282	85	C	C		97,760	380	104	D		
IK2WVX	209,712	531	102	C	B	OH6MSZ	198,400	808	124	B	C	OM4JD	5,096	51	26	C	C	Slovenia						
I7PXV	198,696	492	102	C	B	OH1AL (OH1TG, op)						OM0M (+packet)						S58A	1,513,932	1873	269	A	C	
IK2FIQ	23,760	140	44	C	B		1,054	31	17	B	C		1,202,860	1413	274	D	S57UN	1,016,916	1276	249	A	C		
IK2YSE	11,692	80	37	C	B	OH2JXA	55,808	224	64	A	B	Belgium							S51NZ	45,066	260	87	B	B
IK0YVV	721,756	1226	149	C	C	OH6RC	53,320	155	86	C	B	ON5WL	100,688	263	124	A	B	S51DX	429,300	1353	159	B	C	
IK0HBN	339,768	599	143	C	C	OH3KOK	41,472	144	72	C	B	ON6WP	100,008	333	108	A	B	S57U	348,000	759	116	C	B	
IV3SKB	80,104	330	62	C	C	OH1UP	12,212	74	43	C	B	ON6LY	31,098	140	71	A	B	S54X	289,536	632	116	C	B	
I4VEQ (+ I4TJE, IK4DCT, IV3TMV, ops)	1,186,668	1869	277	D	OH6RX	553,344	1054	132	C	C	ON4VCL	162,042	721	113	B	B	S51J	86,700	295	75	C	B		
I8UZA (+I8QLS, IK8ETA, I8NHJ, IT9BLL)						OH1UP	12,212	74	43	C	B	ON4VP	93,532	353	134	B	B	S53AU	7,920	55	36	C	B	
	1,011,438	1500	249	D	OH6NJ (+packet)						ON4AST	19,872	139	72	B	B	S57Q	405,920	880	118	C	C		
IK2NCJ (+IK2JUB, IK2PFL, IK2FIL)	997,542	1397	273	D		839,840	1163	232	D	ON7VZ	11,526	116	51	B	B	S59AA	340,816	730	119	C	C			
I2OKW (+ IZ2ACZ)						Czech Republic	OK2PP	512,532	761	207	A	B	S50C (S53CC, S53MM, S57MW, S55OO, S53ZO, S51TA, ops)											
IV3RCH (+IV3RAV, IV3HYD, IV3GHY)	253,828	549	178	D	OK2PTZ	341,640	577	180	A	B		1,559,060	1987	274	D	Sweden								
IY4FGM (IK4AUJ, IK4ICT, IK4UNI, IZ4DJZ, IZ4CMT, ops)	77,220	330	110	D	OK2TCW	232,640	485	160	A	B	SM7BJW	138,580	339	130	A	B	SM0BDS	47,060	182	65	A	B		
Sardinia						OK1DKO	121,604	326	101	A	B	SM6IQD	21,316	152	73	A	B	SM4XIH	15,180	81	55	A	B	
IS0IGV	94,620	277	114	A	C	OK1BA	102,340	247	119	A	B	SM5W (SM5IMO, op)						8S5W	(SM5IMO, op)					
IS0OMH	29,120	147	52	C	B	OK1DSA	71,136	265	78	A	B		910,590	1160	239	A	C	SM7PAF	850	26	17	B	A	
Norway						OK1MGW	67,580	208	109	A	B	SM5U (SM5UGC, op)						SM5U	(SM5UGC, op)					
LA5JX	98,156	463	106	B	B	OK1FJD	46,070	189	85	A	B		35,776	208	86	B	B	SL7ZXW (SM7MXP, op)						
LA6HJA	19,488	174	56	B	B	OK2BDF	34,580	143	70	A	B	SM7E (SM7BHM, op)							3,240	54	30	B	B	
LA2QJA	4,900	70	35	B	B	OK1VWJ	26,840	119	6															

SM7BVO	13,580	100	35	C	B	T94FC	436,568	915	121	C	B	RW6AWT (+RN6BN, RA6CO, RA6CM, RU6CQ)						YO7ARY	43,132	263	82	B	B
SM6KRI	1,508	29	13	C	B	Iceland						1,945,320	2195	290	D	YO3RU	40,922	263	79	B	B		
7S2E (SM2DMU, op)	712,400	1314	137	C	C	TF3VS	1,452	23	22	A	B	RF3A (RK3FM, RK3FT, RA3DKE, RU3DGD, ops)						YO3FLQ	19,890	153	65	B	B
8S5X (SM5HJZ, op)	44,988	165	69	C	C	TF8GX	340,344	1480	116	B	B	1,263,926	1597	257	D	YO8BFB	8,400	100	42	B	B		
SM6DUA	1,624	29	14	C	C	TF3MA	31,914	197	81	B	B	RL3A (RX3DCX, +packet)						YO3CCC	6,660	93	37	B	B
SK6NL (SM6DER, SM6DED, SM6HRR, ops)	196,080	498	152	D	TF3GB	42,084	169	63	C	B	1,189,740	1701	251	D	YO2BEH	41,002	251	83	B	C			
Poland						Corsica						RD3R (RU3RQ, RK3RX, ops)						YO7FT	116,928	347	87	C	A
SP4Z	472,500	675	225	A	B	TK1C (F5MZN, op)	734,580	2395	154	B	C	756,888	1245	183	D	YO6ADW	61,104	201	76	C	A		
SQ9FMO	175,500	374	135	A	B	European Russia						UY5ZZ	714,364	1080	217	A	C	YO4RHK	5,472	59	24	C	A
SP4ZO	29,678	125	71	A	B	RW3SU	56,604	169	89	A	A	UV5U (UX1UA, op)						YO8KOS	167,112	422	99	C	B
SQ9IDE	28,500	131	75	A	B	UA6NZ	37,848	162	76	A	A	427,458	757	191	A	C	YO4ATW	105,264	309	86	C	B	
SP5HNN	28,200	133	60	A	B	UA4FER	778,674	1212	201	A	B	UU2JQ	3,366	38	33	A	C	YO6MT	59,296	218	68	C	B
SQ9MZ	27,968	149	76	A	B	UA3ABJ	532,928	893	176	A	B	USSWDL	39,400	240	80	B	A	YO7BKT	44,160	184	60	C	B
SN7L	596,736	947	224	A	C	RW3DU	389,344	699	184	A	B	UT7QL	109,180	517	106	B	B	YO8DHD	4,704	51	24	C	B
SP5WA	386,840	648	190	A	C	UA4AN	353,340	688	151	A	B	UR7IKV	101,340	578	90	B	B	YO8TRS	832	18	13	C	B
SP3TD	288,834	574	161	A	C	RU3FM	333,040	541	181	A	B	UY0MF	83,030	437	95	B	B	YP3A	804,828	1440	141	C	C
SP5XMY	25,740	168	78	B	A	RA3OU	243,648	604	162	A	B	UR2E (USE-073, op)						YO9HP	225,540	542	105	C	C
SQ8GHY	22,016	173	64	B	A	UA4CC	165,624	366	134	A	B	46,620	341	70	B	B	YO7BGA	30,600	155	50	C	C	
HF70I (SP6IHE, op)	9,672	97	52	B	A	RA3NN	146,964	391	111	A	B	UT4EK	45,584	304	77	B	B	Yugoslavia					
SP9FJA	193,756	840	118	B	B	RW6BN	128,160	366	120	A	B	UZ4E	23,912	200	61	B	B	YU1LM	135,642	375	111	A	A
SP5IVC	113,792	455	127	B	B	RA3AF	111,180	309	109	A	B	UR5FO	17,992	173	52	B	B	YU1EQ	333,550	565	175	A	A
SP9QMP	100,980	469	110	B	B	UA3QU	50,406	188	93	A	B	USSWDS	13,668	134	51	B	B	YZ1AU	1,531,352	2003	268	A	C
SQ4HRN	62,228	339	94	B	B	UA4ACP	41,984	207	82	A	B	UR5ZIB	13,632	143	48	B	B	YZ1PC	63,720	354	90	B	B
SP2EXN	62,014	312	101	B	B	RX3OM	40,092	173	78	A	B	UW5Q	72	6	6	B	B	YU1JW	404,404	1433	143	B	C
SP1MVG	51,336	279	92	B	B	RK3DTI	33,004	147	74	A	B	UT7DK	278,556	1039	136	B	C	YU1OL	98,612	278	89	C	A
SP3GXH	48,412	251	98	B	B	RU3WR	2,940	56	21	A	B	UR5IFB	208,290	797	131	B	C	YU1WC	44,640	190	62	C	A
SP3BVI	34,048	227	76	B	B	RK4FF	1,573,354	1998	257	A	C	UR5ZMK	14,872	145	52	B	C	YU1KT	127,156	390	83	C	B
SP3AAZ	23,100	175	66	B	B	UA2FB	1,351,074	1764	249	A	C	UW5U (UY2UA, op)						YU7KM	95,040	270	88	C	B
3Z6V (SP6DVP, op)	18,300	150	61	B	B	UA3DPX	1,051,464	1510	227	A	C	UR2E	46,620	341	70	B	B	YT1AT	47,200	204	59	C	B
SQ8FEW	17,688	135	66	B	B	RV3FF	828,968	1209	226	A	C	46,620	341	70	B	B	YT6A	687,544	1214	143	C	C	
SP9HZF	14,448	129	56	B	B	RD4M (UA4LU, op)	782,880	1174	210	A	C	UT4EK	45,584	304	77	B	B	YT9X (YU1ZZ, op)	673,120	1219	140	C	C
SP6KFA (SQ6NY, op)	4,556	69	34	B	B	UA4RC	781,650	1169	225	A	C	UZ4E	23,912	200	61	B	B	4N1N	803,010	1162	213	D	
SP7LXH	3,680	92	20	B	B	RK3BX	368,640	634	180	A	C	UR5FO	17,992	173	52	B	B	YT1Z (YT1WN, YU1YR, YT1EK, ops)	294,402	601	139	D	
SP6DHH	340	17	10	B	B	RA3XO	150,300	343	150	A	C	USSWDL	39,400	240	80	B	A	YZ7A (YU7CM, YU7JDE, ops)	505,400	768	190	D	
SQ8GHJ	8	2	2	B	B	RU3DX	94,302	375	93	A	C	UT7DK	278,556	1039	136	B	C	Macedonia					
SO2R (SP7VC, op)	456,960	1436	160	B	C	RX3AEX	28,188	160	58	A	C	UR5IFB	208,290	797	131	B	C	Z36W	384,772	905	107	C	B
SP8BRQ	429,120	1461	149	B	C	UA3BL	82,450	428	97	B	A	UR5ZMK	14,872	145	52	B	C	North America					
SP6LUV	121,484	506	121	B	C	RW3VZ	28,148	232	62	B	A	UW5U (UY2UA, op)						Bahamas					
SP1DMD	53,382	287	93	B	C	RA6LBS	172,212	684	127	B	B	UR5FCM	59,800	232	65	C	A	C6ANK (W9AU, op)					
SP2BDR	42,728	225	98	C	C	RZ3DW	74,538	373	101	B	B	UR7QL	9,516	63	39	C	A	1,236,096	1779	232	A	B	
SP5DDJ	180,616	426	107	C	A	UA3LHL	53,400	302	89	B	B	US3QW	385,560	775	126	C	B	Cuba					
SP6CES	27,336	134	51	C	A	RU3DVR	40,512	211	96	B	B	US1TU	368,784	795	117	C	B	CO8LY	705,056	1323	176	A	B
SP3MY	22,572	99	57	C	A	RW3VI	32,332	280	59	B	B	UY8IF	340,860	757	115	C	B	CO2PH	104,760	439	108	A	B
SP6RGB	19,504	106	46	C	A	RA3TAR	22,554	179	63	B	B	UT1FA	305,592	648	119	C	B	CO8HF	175,570	917	97	B	B
SP4GFG	16,072	99	41	C	A	RX1AX	11,834	100	61	B	B	UY5TE	137,520	386	90	C	B	CO8ZZ	595,200	1254	120	C	B
SP9MRQ	216	12	6	C	A	RA1QDP	2,200	47	25	B	B	UY5YA	38,940	174	59	C	B	Dominican Republic					
SP8FHK	279,396	608	117	C	B	RZ3AA	497,728	1622	154	B	C	UU2JA	24,112	138	44	C	B	H18ROX	9,898	103	49	B	B
SQ4NR	215,600	494	110	C	B	RN4LP	382,200	1293	150	B	C	UR8QX	613,212	1137	137	C	C	Panama					
SP3JIA	116,064	318	93	C	B	RA6AFB	113,568	634	91	B	C	UR9QA	274,804	678	103	C	C	HP3XUG	199,644	429	131	A	B
SP2JLR	84,448	242	91	C	B	RU3FS	34,694	213	83	C	B	UY0ZG	173,840	414	106	C	C	HO1A	438,792	1584	141	B	B
SP2AVE/MM	77,408	236	82	C	B	RV4AQ	86,184	349	63	C	A	UT5UGR	83,300	247	85	C	C	HP1AC	154,400	386	100	C	B
SP3HC	53,560	207	65	C	B	UA4ARL	75,600	274	70	C	A	UT2UB	63,536	214	76	C	C	Grenada					
SP3DIK	41,268	185	57	C	B	RV3DBK	3,864	44	23	C	A	US4QWX (UT3QK, UR5QRB, US3QA, UR3QKW, UT3QW, UR4QX, ops)						J37K (AC8G, op)	527,156	1995	134	B	C
SP4CQU	35,640	138	66	C	B	RA3AN	410,820	854	123	C	B	327,452	688	142	D	Guantanamo Bay							
SP9EMI	28,080	131	54	C	B	UA3DEE	260,224	613	107	C	B	UU5A (UU2JQ, UU3JM, UU5YL, UU0JX, ops)						KG4DX (W4WX, op)	345,824	1627	107	B	B
SQ1EUG	16,748	80	53	C	B	RZ4AG	241,056	562	108	C	B	1,224,868	1506	278	D	Alaska							
SP8FHJ	11,248	80	37	C	B	RA3TT	241,020	587	103	C	B	YL2IP	44,820	162	90	A	B	KL7AC	144,484	462	82	A	B
SP7FBQ	7,344	56	34	C	B	RA4HW	207,504	532	99	C	B	YL2BJ	18,492	92	67	A	B	KL1V	494,296	1547	137	A	C
SP9W (SP9HWN, op)	310,632	610	129	C	C	RW4CG	146,856	425	87	C	B	YL2MF	12,408	94	66	B	B	AL1G	425,584	1467	134	A	C
SP4DGN	226,800	538	108	C	C	RV3DAK	130,720	347	95	C	B	YL2NK	97,960	310	79	C	B	KL7FAP	116,886	769	77	B	B
SP4DEU	198,816	441	114	C	C	RA6AAW	112,216	343	83	C	B	YL2EC	71,448	229	78	C	B	KL7D	221,130	1248	91	B	C
SP9NFB	99,456	301	84	C	C	RA1OZ	111,456	333	86	C	B	YL2KO	434,304	945	117	C	C	NL7Z	89,424	652	69	B	C
SP4AVG	8,448	64	33	C	C	RA3FD	104,280	330	79	C	B	YL2LY	270,848	549	128	C	C	KL7RA (+AL7IF, N1TX)	1,742,802	2892	219	D	
3Z0PRK (SP9ADU, SQ9FVR, ops)	38,240	178	80	D	RA3BB	89,096	304	74	C	B	YL7C (YL2MD, YL2GQT, ops)	764,934	1188	241	D	Virgin Islands							
Greece						RU4LM	87,696	264	84	C	B	NP2DJ	16,510	127	65	A	B						
SV1GYG	9,328	89	53	B	B	RU3DM	77,112	240	81	C	B	WP2Z (K8MJZ, op)	1,080,342	3840	141	B	C						
SV2AEL																							

Costa Rica

T12KAC 113,400 700 81 B B
 T15N (KD3TB, T13TLS, T12WGO,
 T15KD, ops)
 2,135,960 2962 268 D

Belize

V31MX (K0BCN, KC5ZT, ops)
 198,120 694 130 D

St. Kitts & Nevis

V44NK 237,130 1040 115 B C

Mexico

XE2AC 329,400 810 135 A B
 6J1ZTW (XE1ZTW, op)
 18,228 149 62 B B
 XE1AKM 7,220 98 38 B B
 XE1MM 60,384 298 51 C C
 6J1KK (XE1KK, +packet)
 1,274,940 2226 270 D

Cayman Islands

ZF2AH 905,400 3045 150 B C
 ZF2FT 1,583,572 2679 149 C C

Oceania**Philippines**

DU1EV 73,584 365 84 A C
 DU1/K6ACZ
 41,648 283 76 B B
 4D70SAN 40,284 376 54 B B
 4D70DX 1,360 36 20 B B
 DU7/N7ET 34,776 164 54 C A

Mariana Islands

NH0H 16 8 2 A A
 KH0/JA1UII
 157,440 447 96 A B
 KH0/JA1UII
 132,060 408 93 A B
 KH0/JA3MVI
 8,096 89 23 C B

Johnston Island

KH3/KH6GMP101,840680 76 B C

Hawaii

KH7/U55DJ 9,016 65 46 A B
 KH7X (KH6ND (@KH7R))
 2,519,900 4058 226 A C
 KH6/K1ER 21,172 149 67 A C
 AH6RH 3,038 52 31 B A
 KH6CDO 242 11 11 B A
 AH6RC 32,112 225 72 B B
 AH6NF 22,914 173 67 B B
 NH6YK 11,832 87 68 B B
 KH7/WY6DX
 36,344 154 59 C B
 KH6IN (KH6B, KH6ZM, ops)
 235,352 525 124 D

Australia

VK4UH (W3UL, op)
 95,634 287 99 A B
 VK5GN 592,000 952 185 A C
 VK4UC 355,680 783 156 A C
 VK2CZ 249,006 815 141 A C
 VK4EJ 125,136 719 88 B B
 VK4WPX 105,472 517 103 B C
 VK4TT 204,932 570 91 C B
 VK8AV 148,096 358 104 C B
 VK4EMM 560,880 1238 114 C C
 VK6ANC (VK6NU, VK6KKD, ops)
 17,324 143 61 D

Indonesia

YB0IR 9,520 121 40 B B
 YB0ECT 57,552 221 66 C B

New Zealand

ZL1TM 392,500 760 157 A B
 ZL3GA 121,362 306 113 A B
 ZL1ANJ 348,488 1384 127 B C
 ZL1GO 513,216 1202 108 C B
 ZL1BYZ 456,400 1152 100 C B
 ZL2BR 351,920 839 106 C B
 ZL1AIH 283,200 718 100 C B
 ZL1ALZ 102,700 404 65 C C
 ZL6QH (ZL2AOV, ZL2BSJ, ops)
 1,114,456 1653 196 D

South America**Chile**

3G5A (XQ5SM, op)
 82,944 515 81 B B
 CB4Y (CE4FX, CE4USW, ops)
 697,680 2291 153 D
 CE3N (CE3NR, CE4PBB, ops)
 254,020 987 130 D

Uruguay

CX5BW (+CX7BY, CX8CO, CX4DX)
 2,757,300 2924 303 D

French Guiana

FY5FY 2,279,376 3019 264 A B

Ecuador

HC1HC 826,880 2584 160 B C

Colombia

HK3AXY 222,890 515 155 A B
 HK3JHH 315,090 1182 135 B B

Argentina

LW5EE 4,234 49 29 A A
 L73F (LU5FF, op)
 1,133,236 1513 247 A B
 LT5V 196,808 496 146 A B
 LU1VK 95,076 420 114 B A
 LU2EE 66,528 322 108 B A
 L2OE 29,820 213 70 B A
 LW7EMN 9,752 104 53 B A
 LP5F (LU1FZR, op)
 419,520 1398 152 B B
 LW7DUC 235,820 918 130 B B
 LU2NI 178,178 626 143 B B
 AY2EC 97,400 493 100 B B
 L51HDJ (LW1HDJ, op)
 83,058 396 109 B B
 AY4DX (LU4DX, op)
 77,366 388 101 B B
 LU9JX 62,160 301 105 B B
 LU1HF 945,180 2683 177 C B
 LP7H (LU9HS, op)
 745,150 2151 175 B C
 LT0H (LU3HY, op)
 589,548 2060 146 B C
 LU1NDC 553,476 1817 154 B C
 LU4DPO 315,536 1078 148 B C
 LU5VV 114,400 550 104 B C
 LT5Y (LU1YU, op)
 37,448 302 62 B C
 AY7EE 250,880 504 128 C A
 AY5FZ 34,560 160 60 C A
 L55DR (LW5DR, op)
 25,760 126 56 C A
 LU1EWL 419,724 800 131 C B
 LU2FLN 154,000 408 100 C B
 AY1DZ 586,224 1247 118 C C
 AY5EML (LU5EML, LW9EOC, ops)
 489,906 1620 153 D

LT1F (LU1FAM, LU1FGE, LU1FJ,
 LU1FKR, LU1FT, LU3FZW, LU5DX,
 op) 3,150,010 3454 295 D
 LQ7D (LU2FA, LU8DW, LW7DX,
 LW9DA, ops)
 2,572,056 2907 278 D
 LO7H (LU7HN, LU7HF, ops)
 1,121,196 2107 233 D
 LT2E (LW1DTZ, LW1EXU, LW4DYU,
 LW7EIC, LW9ETY, ops)
 824,064 1157 232 D
 AY1DRC 538,720 949 185 D
 LT5H (LU2HBV, LU2HF, LU5HAT,
 LU9HPN, LW4HBR, LW5HBR, ops)
 287,364 898 154 D

Peru

OA4AHW 37,284 241 78 B C

Aruba

P40B (P43P, op)
 744,496 2472 152 B B
 P40K (K6KO, K6TA, ops)
 2,254,482 3275 251 D

Netherlands Antilles

PJ2T (K9BG, W9JUV, W9UZ, W9VA,
 ops) 2,161,516 2731 266 D

Brazil

PY2WC 130,640 327 142 A A
 PY3YD 18,774 149 63 A A
 PY2NY 535,188 814 206 A B
 PY3FBI 25,216 113 64 A B
 PP2RON 23,506 115 73 A B

PY3CAL 10,368 88 54 A B
 PR7GP 308 20 7 A B
 PV8DX 9,912 64 42 A C
 PY3KN 5,418 63 43 B A
 ZV8I (PV8IG, op)
 2,964 58 26 B A
 PY2EYF 364 14 13 B A
 ZX2B (PY2MNL, op)
 509,190 1547 165 B B
 PP5MQ 190,080 797 120 B B
 PY4OY 157,472 598 133 B B
 PS8NF 41,958 275 81 B B
 PR7FN 26,496 192 72 B B
 PY2DJ 17,640 150 60 B B
 PS8ACL 14,208 111 64 B B
 PY3PAC 12,426 109 57 B B
 PP5ZP 11,220 113 51 B B
 PU5RAS 10,600 106 50 B B
 PY3LUK 5,616 80 36 B B
 PY4PW 2,320 40 29 B B
 PS8HF 1,764 45 21 B B
 PY5DZ 540 28 10 B B
 PY3JE 180 10 10 B B
 PY3NZ 0 1 1 B B
 ZX5J 1,413,858 3888 183 B C
 ZV2V (PY2LED, op)
 425,600 1534 140 B C
 PY2KM 165,044 691 121 B C
 PY5KD 42,408 229 93 B C
 PY3PA 21,804 163 69 B C
 PY3MT 1,976 38 26 B C
 PY3MSS 390 17 13 B C
 PY5JO 108 10 6 B C
 PY2NA 231,420 563 105 C B
 PY1SL 132,300 324 105 C B
 PY4FQ 76,384 223 88 C B
 PY3AU 69,264 234 74 C B
 PP2JT 57,596 191 77 C B
 PP7ZZ 36,352 159 64 C B
 PY3NH 27,376 127 59 C B
 PY2FRW 20,088 104 54 C B
 PY7OJ 7,840 56 35 C B
 PY3GAD 4,352 41 32 C B
 PY2NDX1,221,276 2086 147 C C
 ZW5B (OH2MM, PY2YU, PY5CW,
 PY5EG, ops)
 2,515,932 2564 306 D
 PW1A (PY1KX, PY1NX, ops)
 1,564,992 1673 288 D
 PY3MHZ (PY3BM, PY3FOX,
 PY3MM, PY3AFS, PY3BZA,
 PY3ADY, ops)
 795,306 1074 249 D
 ZV5E (PP5KE, PP5UB, ops)
 615,612 1659 174 D
 PY2SR (+PY2EX, PY2KPY, PY2TV)
 234,940 499 170 D
 ZW8P (PY8AZT, PY8DAN, PT2PS,
 PT2ND, ops)
 230,364 546 158 D

Venezuela
 YV7QP 44,548 165 74 A B
 YV5CE 204,744 921 114 B B
 YV5MBX 29,032 197 76 B B
 YV4EWW 12,240 138 45 B B
 YV5AAW 98,968 287 89 C B

Paraguay

ZP6CW 253,440 797 80 C C

1

Connecticut
 K5GMX 123,250 317 125 A A
 W1JQ 237,000 713 158 A B
 NG1J 143,514 329 153 A B
 W1EQ 102,060 318 105 A B
 W0BR 51,744 214 84 A B
 NX1Q 50,688 194 96 A B
 W1VB 30,800 162 70 A B
 KB1CIW 11,128 104 52 A B
 W1DMM 6,708 79 39 A B
 WV1M 6,160 53 40 A B
 KE1AU 5,440 66 40 A B
 KQ2M 245,864 570 146 A C
 K1JN 122,360 319 140 A C
 N1JW 49,128 188 89 A C
 KA1VMG 15,344 96 56 A C
 W3EP 501,072 1625 156 B B
 W1AMF 131,424 596 111 B B
 W1AIR 130,146 600 109 B B
 N1XF 42,108 249 87 B B
 KA1KOJ 33,784 206 82 B B
 K1MKF 10,824 134 41 B B

N1JQ 9,000 101 45 B B
 K1QNF/T 3,328 52 32 B B
 W1AW (N1ND, op)
 450,976 1678 136 B C
 WY1U 14,196 95 39 C A
 WW3K 206,412 499 103 C B
 K1BV 160,704 432 93 C B
 W1QK 72,924 314 59 C B
 N4XR 50,544 159 81 C B
 K7BV 1,177,920 2057 144 C C
 W1WEF 277,200 667 105 C C
 K1KI 215,280 589 92 C C
 W1AN (+packet)
 95,676 408 119 D
 KA1ZD (+K1ZZ)
 1,900,548 2028 279 D
 N1MM (+N1XF)
 140,400 605 117 D
 NZ1U (KB1H, AA1CE, KB1DFB,
 N1XS, ops)
 74,580 216 110 D
 KF2XK (+packet)
 57,474 284 103 D

Eastern Massachusetts

W1EM 39,798 160 67 A A
 WG1Z 457,710 683 219 A B
 W1VIV 278,418 540 147 A B
 K1HT 265,650 508 161 A B
 N3KCKJ 195,840 467 153 A B
 W1EBI 106,400 284 100 A B
 N1SNB 58,608 317 99 A B
 KV1J 31,682 162 73 A B
 KY1B 25,410 114 77 A B
 W1TW 18,178 106 61 A B
 KB1PZ 16,116 97 51 A B
 AE1X 11,088 82 44 A B
 W1FM 79,744 242 112 A C
 K1YA 30,912 165 56 A C
 K1CGJ 34,808 229 76 B A
 K6ND 147,392 673 112 B B
 N1IV 130,780 505 130 B B
 KB1HIP 107,282 553 97 B B
 KA1AMR 90,800 454 100 B B
 K1UR 86,944 419 104 B B
 W1DYJ 50,948 275 94 B B
 N1LZ 36,036 199 91 B B
 NE1RD 34,958 229 77 B B
 W1AF (N8WV, op)
 25,326 201 63 B B
 KA1EZH 24,120 184 67 B B
 K1VU 14,478 129 57 B B
 K1JWP 12,288 130 48 B B
 W1PLK 2,862 53 27 B B
 W1CJM 72 8 6 B B
 W1RY 217,460 837 131 B C
 N1SV 81,816 492 84 B C
 KD1EA 17,272 129 68 B C
 W1MU 119,024 349 86 C A
 K1RV 19,684 135 37 C A
 K1HJ 14,268 87 41 C A
 W1WAI 558,500 1132 125 C B
 K1DC 520,192 1031 127 C B
 W1TE 218,872 506 109 C B
 K1EP 208,184 501 106 C B
 W1EZ 64,680 210 77 C B
 K1SM 54,812 197 71 C B
 N1DC 38,528 173 56 C B
 KM1P 8,960 72 32 C B
 W1XS 8,584 59 37 C B
 K5MA 804,816 1466 138 C C
 K1GU 263,760 629 105 C C
 K1TH 64,000 255 64 C C
 AG1C (+ K1RDD, W1LMP)
 519,010 932 215 D
 W1ON (KB1PZ, KB1IFE, N1QZ,
 NF1A, KB1IEA, K1WD, ops)
 88,658 289 97 D
 WO1N (+packet)
 67,392 210 81 D

Maine

N1LW 191,400 429 150 A A
 NY1S 935,220 1289 218 A B
 AA1KS 116,928 337 126 A B
 K1SWG 103,228 245 131 A B
 W1AO 1,215,000 1603 243 A C
 W1CEK 1,488 31 24 B A
 WA5RPP 45,904 305 76 B B
 AA1UT 43,000 254 86 B B
 N1SDR 4,884 74 33 B B
 N1YS 4,104 58 36 B B
 W4ZGR 13,728 93 39 C A
 N1CGP 56,784 159 91 C B

KD1OG 17,136 100 42 C B
W1GF 934,080 1688 139 C C
K1PQS 400,896 925 108 C C
K1JB 199,360 448 112 C C

New Hampshire

W1HR (K1FWE, op)
1,217,174 1773 227 A B
KG1V 523,980 790 205 A B
WA1Z 119,196 299 126 A B
AE1D 16,320 108 48 A B
K1XX 2,190,736 2876 269 A C
WV1G 9,184 112 41 B B
AF1T 327,406 1289 127 B C
KC1F 152,460 728 105 B C
AA1CA 231,120 539 108 C A
W1END 193,028 451 107 C B
W1EBM 81,940 240 85 C B
K1TR 18,800 101 47 C B
KT1V 612,500 1235 125 C C
WC1M 334,152 719 117 C C
W1ECT 108,000 206 135 C C

Rhode Island

W1VET 411,600 701 210 A B
K1VVSJ 292,400 573 172 A B
WB2VVV 50,410 356 71 A C
W1WIU 38,796 214 61 A C
AA1PV 20,984 176 61 B B
KA1BNO 12,320 110 56 B B
N1NK 289,336 617 118 C B
AB1BX 109,816 382 74 C B
K1AM 1,067,360 1920 140 C C

Vermont

WE1H 294,880 539 190 A B
K1LPS 43,260 206 105 A B
KA1BSZ 12,152 185 31 A B
N1BQ 89,024 421 107 B A
W1SJ 554,484 2023 138 B C
N1BCL 165,432 681 122 B C
W1US 20,096 168 64 B C
K1IB 200,256 456 112 C B
AA1SU 16,744 93 46 C B
K2LE 1,129,536 1788 159 C C
AA1VT (AA2DY, KC1MP, KD1DP,
KD1UP, W1KR, ops)
581,856 958 209 D
K1KD (+packet)
605,358 1016 169 D
W1PU (K1HD, N1ZUK, ops)
157,728 743 106 D

Western Massachusetts

KK1W 339,216 623 191 A B
KZ1M 154,686 407 127 A B
KE1DF 81,558 289 69 A B
K1DNX 32,450 181 59 A B
WB1Z 28,842 216 69 A B
W1/DK1TM
12,648 108 62 B A
KX1X 195,696 909 108 B B
W1KT 171,384 585 148 B B
N1SR 42,312 264 82 B B
KB1FWN 34,656 236 76 B B
KA1ZEX 32,680 218 76 B B
N1MUV 7,070 101 35 B B
KB1MU 3,306 57 29 B B
K1MZ 141,360 389 93 C A
W1TO 127,512 322 99 C B
N1MGO 61,628 233 71 C B
K1RDD 6,372 59 27 C B
AA1TE 1,764 31 21 C B
K5ZD 57,792 172 84 C C
KK1H (+packet)
182,784 675 136 D
N2OW (+UR5DEM, K1TTT)
2,312,496 2401 303 D
AA1JD (+NC1M, K1FFX)
1,508,904 2264 228 D

2

Eastern New York

W2ENY 120,456 315 126 A A
WA2JQK 298,034 553 209 A B
N2BZP 52,224 262 96 A B
KA2ASU 30,780 194 81 A B
W2RE 2,249,124 2699 281 A C
W2GDJ 492,090 727 235 A C
N1EU 175,392 341 144 A C
NA2M 111,552 298 96 A C
AA2OI 98,368 321 106 A C
AB2IW 86,940 414 105 B A
W2JTS 10,416 124 42 B A

N2VZA 86,292 462 94 B B
N2MTG 36,340 231 79 B B
KC2DTJ 36,210 215 85 B B
K2PH 24,752 182 68 B B
KE2DX 175,104 691 128 B C
K2XA 112,322 500 113 B C
N2SQW 22,444 182 62 B C
KC2HZW 2,790 45 31 B C
K2UF 309,624 687 114 C B
K2DW 202,248 492 106 C B
W2RBA 11,856 83 39 C B
K2SX 344,448 744 117 C C
K2ONP 44,944 213 53 C C
W2XL (+KD2NE, N2IR)
909,496 1322 218 D
W2AU (+W2GB)
788,712 1266 236 D

NYC-Long Island

WB2AMU 181,662 402 137 A A
AG2A 207,480 426 156 A B
KA2L 88,452 248 117 A B
WB2BXO 57,330 210 91 A B
NK1N 31,640 134 70 A B
N2UN 789,048 1069 234 A C
KD2RD 248,430 496 169 A C
N2FF 99,840 296 128 A C
WB2ZTH 256,734 845 153 B B
KS2G 172,568 820 106 B B
N2MUN 71,424 385 93 B B
KF2XF 54,464 300 92 B B
K2MFY 43,200 242 90 B B
KA2JEM 29,172 193 78 B B
AB2KL 13,200 120 55 B B
W2BZH 5,616 108 26 B B
K2DUX 5,184 72 36 B B
N2LEB 2,900 50 29 B B
WB2WZS 1,488 31 24 B B
NY6DX 31,872 192 83 B C
K2RED 12,300 123 50 B C
WO2N 200,640 466 110 C A
W2HLI 146,124 367 99 C B
WB2ART 64,988 220 77 C B
KD2HE 9,240 77 30 C B
WW2G 2,280 37 15 C B
N2GC 1,792 33 14 C C
NY2L (+ K2FTB)
169,764 523 129 D
WB2KHO (+ KB2NOW)
132,102 539 123 D
WB2JSM (WB2KDG, KC2CBA,
N2UIH, ops)
7,200 82 48 D

Northern New Jersey

N2XP 151,384 360 149 A A
K2WA 460,272 792 223 A B
K2SZ 226,424 467 166 A B
W2VQ 127,024 307 136 A B
K2YLH 109,500 328 125 A B
WB2VQF 104,728 298 106 A B
N2LK 63,360 214 88 A B
N2NC 55,024 181 76 A B
N2ED 1,048,100 1437 223 A C
N2KPB 365,562 625 207 A C
W2OO 314,004 626 191 C A
N2NHN 9,844 109 46 B A
KA2TKS 40 5 5 B A
N2MH 132,842 523 127 B B
WA2LXE 84,316 400 107 B B
N2KJM 59,706 323 93 B B
K2DBK 19,968 156 64 B B
AC4FD 5,760 87 36 B B
KA2NJP 4,662 70 37 B B
WA2BKN 3,366 51 33 B B
WB2AIU 2,444 48 26 B B
N2EOC 433,948 1404 157 B C
WQ2M 292,140 1086 135 C C
NO2EL 234,630 872 135 B C
K2AF 107,100 452 119 B C
K2ZB 27,510 136 105 C B
K2JT 32,928 146 56 C A
W2BVH 28,000 139 50 C A
W2JEK 2,924 43 17 C A
KC2KEU 314,272 661 122 C B
N2GM 304,500 612 125 C B
W2CVW 152,368 354 107 C B
KB2FM 85,000 253 85 C B
KO2FB 2,340 40 15 C B
WA2VYA 519,612 1013 129 C C
N2LT 157,320 350 114 C C
K2PF (+packet)
117,116 276 134 D

N2NT (+ W2RQ, N2NC)
2,910,060 2996 306 D
AB2DE (KC2AVE, +packet)
580,316 982 242 D
WB2BHC (+packet)
81,696 196 138 D
W2KD (+packet)
74,400 240 124 D

Northern New York

N4TW 6,420 66 30 A B
AB2NW 5,616 78 36 B A
NS2P 206,248 816 127 B B
WE2A 48,800 246 100 B B
N2JNZ 63,616 226 71 C A
W2IB 76,608 239 84 C B

Southern New Jersey

K2PS 916,146 1280 231 A B
WA2IAU 77,044 272 103 A B
N2EI 5,056 81 32 B A
N3XOF 95,230 451 107 B B
N2RKK 41,554 263 79 B B
W2QOB 14,964 130 58 B B
KA2BXH 330 15 11 B B
K2UR 223,124 461 121 C B
WA2VQV 94,080 280 84 C B
N2OO 50,592 189 68 C B
AD3Y 37,440 156 60 C B
NJ2BB (WA2TVS, AA2WN, ZL3NB,
W3FP, N2WFN, WA2VOY, WA2ONS,
W2DIB, KB2BRR, 107,500378125D
N2MM (+packet)
924,480 1633 144 D
W2YC (+packet)
613,184 1081 143 D
K2SB (+packet)
49,200 152 82 D

Western New York

WW2P 265,220 493 178 A B
W2TZ 146,960 406 110 A B
WB2HWI 34,400 169 80 A B
W2DXA 30,624 118 66 A B
N2CK 5,544 60 33 A B
K2NV 243,200 494 128 A C
N2XT 62,790 299 105 B A
WB7OCV 8,346 107 39 B A
K2LV 252,576 881 144 B B
W2SGX 96,672 460 106 B B
K2CVG 68,224 328 104 B B
N2LQQ 29,480 223 67 B B
AF2K 345,912 1218 142 B C
WR2V 69,720 340 105 B C
N2CU 157,608 405 99 C A
K2SM 156,408 409 98 C A
WW2J 114,072 297 97 C B
WA2EYA 112,880 341 83 C B
K2CS 97,240 289 85 C B
K2FU 817,068 1501 137 C C
W2FUI 106,920 296 90 C C
W2KA (+packet)
273,180 490 157 D
KF2VX (+K2ZUW)
34,780 237 74 D
N2VR (+N2YX)
13,770 120 51 D

3

Delaware

NY3C 138,040 488 119 A B
KN2Q 18,300 100 61 A B
N3DXX 277,200 597 165 A C
KE3UY 32,072 219 76 B B
N3ME 22,620 199 58 B B
KOUWO 4,864 65 38 B B
W3PP 883,200 1480 150 C B
K3LT 31,212 160 51 C B
AA1K (+packet)
92,880 258 90 D

Eastern Pennsylvania

WA3IIA 337,676 629 142 A B
AA0CY 120,912 273 132 A B
K4JLD 39,732 172 77 A B
N3YGL 31,200 196 80 A B
AE3J 22,842 126 81 A B
W3SSS 21,912 130 66 A B
WC3A 2 1 1 A B
KB3TS 54,136 271 101 A C
W8FJ 50,570 196 65 A C
K3PP 33,744 152 74 C A
N3LJB/T 7,084 77 46 B A
WA3ELQ 28,470 229 65 B B

WB3EVL 28,056 170 84 B B
N3JPV 15,748 134 62 B B
WA3IJC 7,920 99 40 B B
N3EUM 374 19 11 B B
K3NM 57,224 317 92 B C
W3ZMN 52,000 204 65 C A
NY3A 712,344 1337 134 C A
K3EGE 179,664 401 114 C B
KC3Q 73,872 227 81 C B
KB3MM 61,292 200 77 C B
K3SWZ 24,080 142 43 C B
W8IJ 100 5 5 C B
W3RJ 592,280 1164 130 C C
K3QIA 120,960 316 96 C C
W2UP 100,464 325 78 C C
WA3AAN 78,936 263 78 C C
K3MD 41,216 185 56 C C
N3WD (+K3DUH, N3DUH, KG3N,
N3LSY, N3VN, W3CQB, WA0OJS)
192,300 613 150 D
N3MX (+packet)
108,252 302 93 D
K3ZV (+packet)
36,284 195 94 D
K3WWW (+packet)
1,178,112 1435 256 D
AA3B (+packet)
728,176 1286 142 D
WB3CIW (+packet)
146,556 539 138 D

Maryland-DC

K3TW 348,880 628 178 A A
AI3M 693,108 934 234 A B
N2US 339,264 554 186 A B
KE3VV 245,616 460 172 A B
W3FQE 42,504 175 77 A B
W3DQ 6,256 62 34 A B
K3ZO 2,147,946 2614 271 A C
N4GG 1,626,112 1970 256 A C
N3II 1,116,448 1432 251 A C
K2PLF 1,094,862 1443 251 A C
KT3RR 332,004 1142 146 B B
AK3E 143,002 570 127 B B
W3LL 101,700 452 113 B B
WA2VUM 93,090 439 107 B B
N3FNE 55,100 293 95 B B
W3LEO 43,040 275 80 B B
N3VOP 37,840 220 88 B B
N3WIZ 24,640 176 70 B B
KF3BN 10,800 100 54 B B
KT3D 10,682 109 49 B B
K6PFA 1,088 34 16 B B
K3DNE 322,648 1309 124 B C
W3UJ 17,484 142 62 B C
W3GCW 1,680 30 28 B C
K15TD 65,520 259 63 C A
W3CB 392,000 884 112 C B
K2YWE 236,208 538 111 C B
W3CP 190,848 428 112 C B
NS3T 164,640 395 105 C B
WA1LWS 161,196 405 101 C B
W3DAD 156,180 416 95 C B
NG3K 139,776 365 104 C B
KF3DC 101,520 284 90 C B
N3WT 59,360 235 70 C B
K3KU 308 11 7 C B
KD4D (@N3HBX)
1,191,508 2158 139 C C
K4ZA 1,190,700 2054 147 C C
N3UM 687,500 1380 125 C C
W3AZ 219,968 494 112 C C
WR3L 61,776 199 78 C C
W3GG 21,432 142 38 C C
W3GN 9,672 95 26 C C
K3DSP (+N3YUG)
307,700 555 181 D
K3NCO (+ W3IDT, W3LJ)
298,590 540 185 D
W3LRC (K3HDM, KT3D, W3YD,
WI3N, WK3X, WV3D, ops)
93,264 411 116 D
K3DI (+W3ICM)
1,280,950 1656 275 D
N3OC (+packet)
1,185,604 1445 263 D
N3AM (+packet)
1,013,164 1196 241 D
WX3B (+N3YIM, N3SB, W3ARS,
AK3Z) 854,644 1657 233 D
W2GG (+packet)
316,764 522 189 D
K3IXD (+packet)
119,280 425 142 D

4U1WB (AJ3M, +packet)
64,090 377 85 D
K3GV (+packet)
56,910 273 105 D
W3HVQ (+packet)
41,832 171 63 D

Western Pennsylvania

WO3Z 372,784 633 184 A B
K3DE 204,544 382 182 A B
WN3VAW 158,238 409 149 A B
KB3DPU 23,520 151 80 A B
W3ZA 2,088 43 18 A B
AD8J 508,636 784 202 A C
WB0IWG 58,696 322 92 B A
N3WAV 33,440 224 76 B B
N3WMC 32,688 233 72 B B
WA3EQJ 18,626 140 67 B B
N3LLR 1,216 33 19 B B
W3GH 209,990 976 115 B C
W4ZE 178,992 685 132 B C
W3ISI 21,252 161 66 C B
AA3GM 5,456 47 31 C A
WW3S 490,776 1016 121 C B
N3FR 369,600 780 120 C B
N3LL 260,768 574 116 C B
N3GJ 125,736 338 93 C B
K3VX 89,100 286 81 C B
K3JHT 16,560 115 36 C B
K3FH 5,916 54 29 C B
K3CR (LZ4AX, op)
1,232,160 2050 151 C C

4

Alabama

W4DEC 185,592 428 132 A A
KE4ITN 21,900 150 73 A B
WB4HUX 960 24 16 A B
K4ZR (K2SC, op)
108,342 468 117 B B
W6DSQ 56,964 308 94 B B
NV4B 24,806 157 79 B B
W4OZK 13,700 141 50 B B
W4SQD (WA9JA, op)
480 20 12 B B
K4WI 793,408 2479 161 B C
KY5R 767,880 2388 162 B C
AG4W 276,562 973 143 B C
KX4F 63,852 313 102 B C
KG4LDZ/T 1,924 37 26 C B
KC3QU 157,140 405 97 C B
K4NVJ 98,688 264 96 C B
KA1DWX 59,400 176 90 C B
N4AX 3,496 38 23 C B
W4NTI 305,800 698 110 C C
K4TD (+packet)
98,968 282 89 D
AF4TF (+packet)
11,926 91 67 D

Georgia

WB6BWZ 77,040 241 107 A A
W4IX 446,196 690 206 A B
K6EID 348,660 598 195 A B
AE4Y 136,374 320 119 A B
K4GA 64,680 215 84 A B
K4YJ 26,460 104 90 A B
K4PHE 35,000 177 100 A C
WB4JFS 53,000 270 100 B B
AA4LR 36,570 265 69 B B
N4QLN 14,384 124 58 B B
NA4BW 546 21 13 B B
KG4TUL 544 18 16 B B
W4DD 625,502 2105 149 B C
WA4TII 435,168 1525 144 B C
N4MAP 2,112 28 22 C A
N4PN 871,352 1472 149 C B
K4SB 329,692 678 127 C B
N4NX 258,944 485 136 C B
WF4W 117,420 294 103 C B
K4NGA (WB4AEG, WA4LXU,
KB4OXA, ops)
44,000 225 80 D
N4XMX (+packet)
23,584 128 67 D

Kentucky

WT4KY 176,988 397 129 A B
K4BAM 23,520 120 49 A B
KO4OL 17,278 96 53 A B
K4TXJ 122,936 508 121 B B
WR4F 94,996 380 127 B B
W4DHE 69,112 330 106 B B
KD4SN 55,536 270 104 B B

KD4PYR 14,022 123 57 B B
WB4QNG 3,600 75 24 B B
KD4ULE 24,624 173 72 B C
KD9B 1,380 23 15 C A
K4FXN 63,536 212 76 C B
KM4FO 46,360 198 61 C B
KA8OKH 3,600 62 15 C B
N4GN (+K9GX)
2,466,230 2593 311 D
K4WW (+packet)
247,036 537 151 D

North Carolina

K4CIA 168,542 325 163 A A
NR3X (N4YDU, op)
512,886 779 209 A B
N3DRK 356,380 711 206 A B
W4YDY 76,200 238 100 A B
K4HA 40,860 160 90 A B
W3GQ 10,780 85 55 A B
K4MA 1,286,940 1645 241 A C
KO7X 407,220 739 165 A C
WB4MSG 179,952 530 138 A C
W4WNT 3,978 49 39 A C
NX9T 151,776 615 124 A B
K4GHS 94,800 399 120 B A
WA2SRY 31,040 196 80 B B
KK4RV 25,900 176 74 B B
N2USB 9,328 106 44 B B
WB4Y 7,650 75 51 B B
W4FAL 2,790 46 31 B B
NC4NC 261,612 1031 129 B C
KS4AA 21,120 167 64 C A
N4IJ 269,100 583 117 C A
AE4EC 3,432 38 26 C A
WJ9B 501,280 980 130 C B
N4NTO 102,900 345 75 C B
N4AF 96 8 3 C B
K7GM 1,244,796 2132 147 C C
N4CW 894,240 1661 135 C C
K4SV 544,320 1091 126 C C
KG4IWI (+KG4OUA)
53,932 289 97 D
K3KO (+packet)
970,904 1147 242 D
W4WS (+KG4NEP, W2DZO,
KG4CZU, KG4UGZ)
698,418 1501 207 D
KB4QLZ (+ KB4FWN, KG4RTA,
KG4RZT)
192,098 695 139 D
N4XC (+packet)
182,252 527 161 D

Northern Florida

K9OM 781,880 1075 220 A A
KB4N 579,744 909 198 A B
W4EBA 146,880 329 136 A B
NF4A 93,378 455 79 A B
W6FC/4 44,880 240 88 A B
K4JAF 3,944 68 29 A B
W7QF 182,308 450 119 A C
KQ4YY 46,440 272 86 B A
N3AWS 3,422 61 29 B A
N4EK 168,264 685 123 B B
W4JSW 44,160 235 96 B B
KB4ET 38,190 204 95 B B
N4LIO 24,168 161 76 B B
KG4MWO 5,332 62 43 B B
KX5U 1,020 30 17 B B
N4OX 755,798 2420 157 B C
W1LR 24,024 155 78 B C
ND4AA 421,296 807 131 C B
KN4Y 235,764 538 111 C B
W4YA 161,968 392 106 C B
W7GAM 138,800 352 100 C B
KE1F 132,480 363 96 C B
K4LW 34,220 151 59 C B
K1UM 361,228 702 133 C C
K0LUZ (+packet)
1,042,720 1725 152 D
N4WW (packet)
259,836509177D

South Carolina

W4MEL 246,160 611 170 A B
K0COP 81,984 225 122 A C
K4OH 34,916 406 86 C A
KR1ST 37,128 226 84 B A
WA2FHF 31,820 217 74 B B
K4TSU 21,300 152 71 B B
N2XD 359,366 1359 133 C B
W4DEE 29,856 318 48 B C
W4JKC 160,160 364 110 C B
K4CNW 101,352 250 103 C B

K4ADI 58,344 192 78 C B
AA4V (+packet)
636,864 1024 214 D

Southern Florida

NA4CW 601,812 869 219 A A
W4SAA 751,038 1058 213 A B
WT5L 135,728 332 136 A B
K1PJ 31,464 144 76 A B
K4RFK 21,140 146 70 A B
K9ES 1,236,480 1908 230 A C
K4PB 470,242 723 191 A C
NJ2F 109,896 482 114 B A
KS4GW 50,778 279 91 B A
AA4RX 102,750 412 125 B B
KK4TA 68,634 372 93 B B
KR4ZA 38,720 223 88 B B
KA2EYL (KB2SFA, op)
24,964 162 79 B B
N3HO 7,488 78 48 B B
WB8VQU 1,260 30 21 B B
N8PR 326,250 1129 145 B C
K4ADR 106,888 442 124 B C
K14TG 86,736 421 104 B C
W7FOT 16,680 139 60 C A
KE4D 1,440 25 20 C A
N4GM 393,624 793 126 C B
WB2QLP 78,144 278 74 C B
N4PSE 76,156 248 79 C B
W4OV 54,860 218 65 C B
KN4JN 43,884 159 69 C B
KF4HEE 33,696 156 54 C B
W4UUM 1,920 49 10 C B
N2NL 1,374,156 2351 147 C C
N4BP 1,062,936 2007 133 C C
W4QM 515,160 958 135 C C
WC4H 228,780 620 93 C C
K4WJ 174,304 424 104 C C
N4JT 149,160 342 110 C C
KC4HW (AF4Z, W2DTJ, K4QD, K4PX,
AB4ET, WO4 D, WT4I, W4ERM, ops)
764,690 1070 235 D
K4MM (+packet)
433,636 610 238 D

Tennessee

W4TDB 1,908 33 18 A A
W9WI 876,876 1247 231 A B
NY4N 318,192 593 168 A B
WD4OHD 206,064 433 159 A B
NQ4U 100,800 373 126 A B
WD4PTJ/T 88,380 414 90 A B
K3CQ 29,464 162 58 A B
WO4O 20,482 117 49 A B
W4BCG 1,368 25 19 A B
K4WX 2,007,684 2685 257 A C
K4RO 1,973,088 2390 272 A C
K0EJ 597,240 1052 180 A C
W4RK 280,260 518 173 A C
W4OGG 27,206 126 61 A C
NY4T 279,888 960 147 B B
WN4M 133,376 524 128 B B
WA4OSD 24,448 198 64 B B
WA4JA 24,072 179 68 B B
N7DLS 15,222 129 59 B B
AB4GG 7,360 80 46 B B
N4JN 3,248 59 28 B B
W4JH 1,872 39 24 B B
KE4KMG 19,154 159 61 B C
WB5WAJ 10,890 99 55 B C
KE4OAR 9,984 105 48 C C
K4JNY 8,736 96 48 B C
WM4U 67,968 236 72 C A
N4UW 21,240 119 45 C A
N4ZI 726,144 1510 122 C B
NA4K 326,496 719 114 C B
AA3VA 169,344 396 108 C B
W4HZD 148,992 406 96 C B
K3JXO 142,784 368 97 C B
N4DW 29,928 132 58 C B
W4YGE 17,520 146 30 C B
K4AMC 447,000 907 125 C C
K4XG 104,880 292 92 C C
W4BSF (WA4WMN, W4NPL, KE4RKJ,
KE4QQF, KG4ELF, W5EDQ, ops)
27,300 158 75 D
W4TYU (+K4LTA)
745,392 1083 212 D
N4VV (+packet)
315,630 601 167 D
AG4V (+packet)
114,250 303 125 D
K4BP (+packet)
88,134 403 111 D

Virginia

W0YR 1,284,536 1849 242 A B
W4PM 367,798 619 173 A B
WA4PGM 300,132 546 189 A B
KI3O 255,780 521 174 A B
NAJED 242,064 506 164 A B
W4TNX 170,428 362 137 A B
N5LF 134,112 349 127 A B
K4RDU 103,840 301 110 A B
K4UVT 92,898 228 117 A B
K3MZ 41,400 184 90 A B
W4XP 20,880 126 72 A B
N3MA 5,950 60 35 A B
WA4FFX 1,628 39 22 A B
N4UXA 200 10 10 A B
KG4TFF 32 5 4 A B
WA4JUK 476,912 811 164 A C
WK4Y 290,532 475 186 A C
K3ZM 255,884 501 142 A C
K3WA 46,900 187 67 A C
W4HJ 26,130 117 65 A C
KC4ATU 26,208 173 78 B A
N8FK 13,800 119 60 B A
W3MGL 10,192 100 52 B A
N4MM 174,220 562 155 B B
K4PZC 99,684 431 117 B B
KE4MIL 53,760 280 96 B B
K4CJB 35,552 204 88 B B
W4SD 33,768 202 84 B B
AF4UU 31,266 196 81 B B
WA4BKW 30,300 202 75 B B
KG4RGM 29,820 221 71 B B
KA4GFY 23,998 170 71 B B
K3HE 21,306 159 67 B B
KZ1A 20,400 150 68 B B
KF4YXH 13,104 107 63 B B
KS4JB 8,360 97 44 B B
N4DWK 6,912 98 36 B B
N4KIT 4,712 64 38 B B
WA4EPI 2,760 51 30 B B
K1SO 1,728 32 27 B B
KG4QMW 1,408 33 22 B B
N3QT 832 26 16 B B
N1NP/M 242 11 11 B B
KU4FP 66,836 344 98 B C
KC1YC 13,924 122 59 B C
K4UK 83,000 255 83 C A
K3FT 496,296 1112 113 C B
K4ORD 365,064 747 123 C B
N4PD 110,160 309 90 C B
NW4V 70,896 215 84 C B
K4JM 65,772 202 81 C B
NC4S 54,432 197 72 C B
K6ETM 39,260 150 65 C B
W4ZYT 22,800 100 57 C C
W3BP 885,020 1632 137 C C
WF3J 625,816 1154 137 C C
W4AU 305,472 694 111 C C
K4GMH 209,216 475 112 C C
W4MYA (+packet)
2,438,744 2699 308 D
K1SE (+K4EU, K4ZW)
2,421,888 2388 318 D
N4MO (+W4EI)
920,250 1285 225 D
W2YE (+LZ3SM)
827,424 1128 208 D
KB4OLM (+N4BCC, N4DSL,
W4GRC, W4PJW, AD4TJ, K4EME,
WA4ITY)
325,080 735 189 D
KO4MR (+packet)
63,742 203 157 D
K4YT (+packet)
63,518 330 91 D
N4EHJ (+packet)
29,260 191 77 D

West Central Florida

NA4IG 952,000 1248 224 A B
K4GKD 831,790 1163 223 A B
WC4E 2,320,080 2867 280 A C
K5KG 1,927,800 2348 270 A C
W4IR 68,904 199 99 A C
K4LOG 105,728 477 112 B A
W4JTA 37,800 210 90 B A
K4FB 228,854 907 127 B B
K1HG 94,976 432 112 B B
K8FK 35,148 207 87 B B
N2EGO 32,550 220 75 B B
K4ALH 30,132 190 81 B B
AB4EZ 19,350 131 75 B B
KR4WS 17,024 135 64 B B
N4XZL 6,068 84 37 B B

K4XS 945,360 3044 156 B C
 WB2LEZ 53,934 269 101 B C
 N2UM 23,940 112 57 C A
 K1TO 1,218,000 2040 150 C B
 WB4TDH 670,880 1203 140 C B
 WD4AHZ 650,160 1266 129 C B
 N4GI 545,280 1148 120 C B
 W0PV 174,272 394 112 C B
 KR4U 102,512 299 86 C B
 K9HUY 180,180 504 91 C C
 N4DL (+packet)
 569,232 833 236 D
 W4GAC (N2MNC, W4KEN, KU4BT,
 KF4FCW, WA4EEZ, KF4ZCG,
 KG4BUA, ops)
 27,300 147 70 D
 KA6R (+KG4MRY)
 2,070 47 23 D
 K4FCG (K4OJ, KU3O, K1UM,
 W1YL, ops)
 1,786,698 1955 269 D
 N4TO (+G3WGV, W4IR)
 1,373,652 1656 237 D
 W4/G4BUE (+M0BUE)
 1,074,304 1488 224 D
 K4LQ (+packet)
 585,480 709 238 D
 W4ZW (+ops)
 340,000 603 170 D

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Arkansas

W5MK 552,800 928 200 A B
 WA5KAK 20,536 122 68 A B
 WA5SOG 18,900 193 54 A B
 KA9SOX 138,600 693 100 B B
 N5MDO 59,630 342 89 B B
 N5TNM 22,608 161 72 B B
 K1ARK 14,732 136 58 B B
 N5EPU 258,560 1017 128 B C
 KJ5WX 29,468 140 53 C A
 W5ZK 21,756 119 49 C B
 KM5G 1,137,192 1955 147 C C
 K5BAT (N5QJ, WB5BHS, W5RZ,
 WA5BDU, WU5X, ops)
 129,472 503 112 D

Louisiana

N5CRO 344,280 648 151 A B
 W5WMU2,097,152 2925 256 A C
 AA5FJ 278,898 1006 141 B B
 WA5CHX 82,824 366 116 B B
 WA5TRX 63,672 379 84 B B
 K5JAZ 42,560 269 80 B B
 KI5XP 7,828 104 38 B B
 AF5P 34,188 228 77 C B
 W5EKF 237,600 556 108 B C
 LA5LJA 200,448 464 108 C B
 KC5R 108,000 306 90 C B
 AA5AU 552,960 1163 120 C C

Mississippi

WQ5L 359,924 699 158 A B
 N5PU 165,856 383 142 A B
 W5KK 93,318 227 151 A B
 NI5F 39,100 153 85 A B
 KC5LK 26,640 191 72 A B
 KD5CKP 19,072 151 64 A B
 N5KGY 159,608 562 142 B B
 W5RBF 34,182 215 81 B B
 WD5JNC 1,664 32 26 B B
 WA5OYU 342 19 9 B B
 KE5K 142,824 543 132 B C
 K5MDX (W5UE, K2FF, WQ5L, K5NY,
 N5ID, KD5CQT, KK5EW, N5FG,
 ops) 1,107,780 1780 222 D

New Mexico

W5GZ 57,240 323 90 B A
 N5IA 7,216 90 41 B A
 K8TE 22,066 192 59 B B
 W5TTE 36,000 200 45 C A
 K7IA 19,656 131 39 C A
 N5UL 217,728 576 96 C B
 W5YZ 215,460 520 105 C B
 WA7LNW 40,296 223 46 C B
 N6ZZ 810,320 1456 140 C C
 W6TER (+ KE5BL, K5HAB, AC5ZO)
 759,088 1604 209 D

North Texas

WA8ZBT 426,964 885 173 A A
 WD5K 1,145,714 1636 241 A B
 NG5E 722,768 1136 199 A B

AB5C 207,776 458 172 A B
 KK5XX 2,040 35 20 A B
 W5FL 788,760 1076 252 A C
 N5QQ 409,770 813 145 C A
 K1NT 35,088 132 68 C A
 W5CX 60,672 322 96 B B
 K0OOK 30,660 215 73 B B
 AA5NT 391,546 1438 137 C C
 WM5DX 76,072 263 74 C A
 KR5C 22,736 104 58 C A
 K5WO 561,340 1120 227 C B
 K5LH 422,048 869 121 C B
 K5FO 361,608 746 122 C B
 AA5AM 141,384 414 86 C B
 N5CHA 98,400 330 75 C B
 N5NJ 32,232 159 51 C B
 N5PO 419,456 908 116 C C
 W5EIJ 16,072 98 41 C C
 K5QX (+packet)
 317,880 542 180 D
 N0RQ (+C5POV, packet)
 185,126 615 151 D
 N5YA (+AD5Q, W5LL)
 2,160,578 2158 301 D
 NK5A (N3JI, K5VPQ, ops)
 59,946 294 103 D

Oklahoma

NE0P 520,700 842 205 A B
 N7HRT 43,472 290 76 A B
 WD0GTY 34,440 196 60 A B
 NL7CO 23,874 186 69 A B
 KA5BAY 22,344 169 57 A B
 N5OHL 232,458 818 129 C C
 W5OSU 125,568 587 109 B B
 W5PUF 122,094 516 119 B B
 K5WPN 65,484 321 102 B B
 KD5OMJ 12,932 122 53 B B
 WX5DF 12,420 117 54 B B
 KB5BOB 322,224 1189 137 B C
 N5RFX 7,366 127 29 B C
 AB5ZA 49,060 222 55 C A
 W5TM (W5AO, op)
 710,200 1333 134 C B
 K5KA 669,060 1247 135 C B
 K0CIE 186,960 502 95 C B
 K5UV 144,420 439 83 C B
 K2BA 987,280 1777 140 C C
 N5OT (+KA6GAR)
 2,266,852 2943 266 D

South Texas

WQ5C 309,684 550 197 A B
 K5WA 301,038 757 131 A B
 NI5O 173,088 397 144 A B
 K5WAF 104,030 266 101 A B
 WX5I 16,184 108 68 A B
 N5XZ 1,452,000 1971 264 A C
 N5LZ 471,580 887 170 C A
 KG5TA 468,300 1478 150 C A
 K1TU 247,680 556 144 C C
 NA4M 160,512 430 132 C A
 WD5FGZ 9,804 129 38 B A
 K5OMS 184,576 833 112 B B
 KC5YKK 139,200 601 116 B B
 WA5IYX 134,640 796 85 B B
 KD5LNO 99,144 464 108 B B
 KC5RPF 53,544 294 92 B B
 K5WW 42,328 287 74 B B
 KD5TMF 21,576 179 62 B B
 K5EJL 3,234 51 33 B B
 WA8LEQ 2,900 50 29 B B
 W5PR 1,008,600 3090 164 C B
 K5TR (WM5R, op)
 801,944 2823 143 B C
 K5NA (KI5DR, op)
 362,850 1484 123 B C
 W5UFA 56,448 301 96 C B
 N5DD 15,500 126 62 C B
 KG5U 452,200 957 119 C A
 W5TD 181,440 421 112 C A
 W5GAI 102,300 287 93 C A
 KI0G 24,000 132 48 C A
 NO5W 223,344 586 99 C B
 AD6G 116,960 344 86 C B
 KE5C 113,176 337 86 C B
 K5GM 82,600 300 70 C B
 AJ4F 9,240 70 33 C B
 W5KFT (K5PI, op)
 1,183,272 2107 141 C C
 K5XR (W5ASP, op)
 569,760 1201 120 C C
 K5ZTY 88,064 265 86 C C
 K5HDU 69,360 207 85 C C

NX5M (+N5XJ, N5OLS, N5DUW,
 KB5ZFO)
 2,665,312 3263 298 D
 N5MT (+packet)
 480,192 788 246 D
 K5IUA (+packet)
 414,304 614 214 D
 N5LYG (+KM5VI)
 404,118 1223 157 D
 N3BB (+packet)
 209,436 568 93 D
 KC5QIG (+KA5KLU)
 79,292 290 86 D
 K5DU (+ K5NA)
 35,534 114 109 D
 KM5TY (+packet)
 21,168 191 56 D

West Texas

N5LUL 11,704 83 44 A B
 KE5OG 143,312 688 106 B B
 W5WTX 14,300 137 55 B B
 NZ5M 22,080 114 48 C B
 N5NA 115,248 348 84 C C
 KB5KYJ (+KC5OBX, KC5QKV,
 KB5UOP)
 253,552 1205 106 D
 W5ES (WB5QLR, W6WKW, ops)
 61,776 712 44 D

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East Bay

K6XV 262,700 645 142 A B
 KE6QR 141,250 372 125 A B
 AD6X 98,940 330 97 A B
 K16OY 52,870 217 85 A B
 AE6IS 48,950 227 89 A B
 N4EKV 16,092 107 54 A B
 N6RO 1,783,592 2678 226 A C
 W6CUS (K6SRZ, op)
 863,732 1626 181 A C
 KE6ZSN 428,620 1334 145 A C
 W1HDO 35,712 144 72 C A
 AK6DV 44,872 287 79 B B
 K6BIR 40,320 289 70 B B
 AD6MF 21,616 197 56 B B
 KQ6TW 20,740 172 61 B B
 AE6IQ 8,034 103 39 B B
 N9SR 6,364 89 37 B B
 N4DLA 5,576 82 34 B B
 K6JAT 3,876 57 34 B B
 KF6IU 2,666 43 31 B B
 K6BMD 616 23 14 B B
 N1GF 14,976 144 52 B C
 W6OA 200,992 584 88 C A
 KA6SGT 2,880 43 18 C A
 W7DR 264,508 740 89 C B
 NF6S 216,376 637 86 C B
 W6GPM 164,280 576 74 C B
 K6TS 16,380 94 45 C B
 WB6ETY 6,240 59 26 C B
 WB6IYM 58,280 232 62 C C
 KF6RIP 56,448 255 56 C C
 KG6HM (+KF6UUVB)
 7,696 89 37 D
 N6CCL 207,236 1013 103 D
 N6TQS (+packet)
 31,108 205 77 D

Los Angeles

NK6A 116,400 358 97 A A
 N6GL 128,088 348 108 A B
 K6ZCL 108,498 363 107 A B
 N5BF 21,518 117 53 A B
 AD6PC 1,716 35 26 A B
 N6ED 1,296,636 2272 209 A C
 N6TW 420,650 741 179 A C
 W6AFA 241,300 950 127 B B
 WB6NFO 67,872 303 112 B B
 WA6HXF 39,192 289 69 B B
 W6FFH 31,916 203 79 B B
 KQ6EE 20,900 190 55 B B
 KB6WKT 16,820 150 58 B B
 AD6AF 5,548 73 38 B B
 N6TCZ 3,900 65 30 B B
 WA6MBL 1,950 75 13 B B
 AD6KA 56,448 341 84 C C
 N6UB 1,674 32 27 B C
 KG6ERO 348,140 856 103 C B
 WA6BOB 103,392 363 72 C B
 W3SE 93,328 314 76 C B
 KG6MXO/T 280 10 7 C B
 WO6M 287,336 753 98 C C
 K6SE 57,392 212 68 C C

W4EF 792 18 11 C C
 KN6Y (+ KG6JWZ)
 170,688 461 127 D
 W6YRA (WA6AYI, K6LDO, AC6YV,
 ops) 248,920 571 140 D
 W6KC (+packet)
 221,408 567 148 D

Orange

WA6OGO 148,560 368 120 A B
 WA6GFR 42,000 160 84 A B
 K6AM 1,877,310 2504 255 A C
 AD6WL 29,212 177 67 A C
 W7YA 75,600 378 100 B A
 KB6OJS 12,250 126 49 B A
 NJ6U 169,568 767 112 B B
 WW6O 56,776 303 94 B B
 WB6NL 9,680 111 44 B B
 AC6VN 234,604 670 89 C B
 W6KK 179,424 541 84 C B
 AA6PW 93,744 375 63 C B
 W6SJ 75,900 288 69 C B
 WD0AVV 53,040 232 60 C B
 W6EEN (N6RT, op)
 1,071,984 1954 138 C C
 K7JJ (+packet)
 247,040 466 160 D

Santa Barbara

W6NS 11,872 96 53 A A
 K2KW 1,460,910 2106 233 A C
 AG6RT 918,160 1933 184 A C
 W6TK 439,240 1005 158 A C
 KD6PQF 12,584 122 52 B B
 KG6ENA 84,328 513 83 B C
 W7CB 26,656 138 49 C A
 WA5VGI 46,128 190 62 C C
 W6SZG (+packet)
 124,974 318 159 D

Santa Clara Valley

NU6S 935,560 1577 190 A B
 K6EP 259,588 643 146 A B
 N6EM 204,130 505 137 A B
 KE6FI 76,736 297 109 A B
 K3KOA 50,796 223 83 A B
 WJ6O 35,840 144 64 A B
 W6ISO 16,800 106 48 A B
 N6JLJ 5,254 71 37 A B
 KE6JAC 1,380 29 15 A B
 K6XX 1,567,566 2466 231 A C
 W0YK 1,092,936 1687 186 A C
 WX5S (@N6IJ)
 964,512 1586 197 A C
 WR6M 632,772 1109 189 A C
 AE6Y 548,464 1125 166 A C
 K6GT 450,300 937 158 A C
 N6XG 272,630 722 137 A C
 W4NJK 61,248 229 50 A C
 K6KLY 117,694 711 83 B B
 KF6UTE 36,300 330 55 B B
 W6ZZZ 14,976 144 52 B B
 NR3Y 12,218 151 41 B B
 AE6CW 6,880 86 40 B B
 KG6KCO 3,224 59 31 B B
 N2ALE 128 9 8 B B
 AD6CL 3,060 53 30 B C
 N6NF 243,004 774 79 C B
 K6OY 207,204 563 93 C B
 WD6DX 123,516 427 73 C B
 W6YL (W6CT, op)
 73,632 315 59 C B
 K6NT 69,440 321 56 C B
 W9MAK 55,144 224 61 C B
 K6UFO 54,516 239 59 C B
 WA6PX 30,192 154 51 C B
 K6KF 15,200 101 38 C B
 KG6HAF 2,304 27 24 C B
 N6TV 660 34 5 C B
 AA6W 480 12 10 C B
 N3ZZ 135,900 459 75 C C
 K6RFM (+packet)
 69,748 241 94 D
 W6YX (K6IF, N6DE, W6LD, N7MH,
 KG6FLT, KG6OAV, ops)
 1,881,328 2717 248 D
 NI6T (+packet)
 488,800 841 188 D
 AD6E (+packet)
 468,930 844 165 D
 K6III (+KG6NED)
 246,330 519 153 D
 W7SW (+packet)
 207,702 553 99 D

San Diego

Table with columns for station call letters, signal strength, and other metrics. Includes stations like WN6K, W6KY, W6MVW, etc.

San Francisco

Table with columns for station call letters, signal strength, and other metrics. Includes stations like N6KM, K0KL, N6ZFO, etc.

San Joaquin Valley

Table with columns for station call letters, signal strength, and other metrics. Includes stations like K6MI, NT6K, N6NZ, etc.

Sacramento Valley

Table with columns for station call letters, signal strength, and other metrics. Includes stations like WT1L, WX6V, K6DGV, etc.

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Arizona

Table with columns for station call letters, signal strength, and other metrics. Includes stations like K81A, W0RA, N7UJ, etc.

Table with columns for station call letters, signal strength, and other metrics. Includes stations like W7EB, NK7C, NV7J, etc.

Oregon

Table with columns for station call letters, signal strength, and other metrics. Includes stations like W7AY, K17Y, N7VS, etc.

Utah

Table with columns for station call letters, signal strength, and other metrics. Includes stations like WA7YAZ, NS7K, W7UT, etc.

Western Washington

Table with columns for station call letters, signal strength, and other metrics. Includes stations like W7CD, K7SS, W7QN, etc.

Montana

Table with columns for station call letters, signal strength, and other metrics. Includes stations like KL7FDQ, WN7Y, K7PGL, etc.

Nevada

Table with columns for station call letters, signal strength, and other metrics. Includes stations like N7ON, N7CQQ, WA7CWM, etc.

Table with columns for station call letters, signal strength, and other metrics. Includes stations like N7KE, K7ZFO, N7PP, etc.

Wyoming

Table with columns for station call letters, signal strength, and other metrics. Includes stations like WC7S, WG7Y, W7AJK, etc.

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Michigan

Table with columns for station call letters, signal strength, and other metrics. Includes stations like KC8LTL, WD8S, K8SIA, etc.

Table with columns for station call letters, signal strength, and other metrics. Includes stations like KC8ELY, K8GC, K8CQB, etc.

Ohio

Table with columns for station call letters, signal strength, and other metrics. Includes stations like K8BL, N8IE, N8XA, etc.

W0VC	39,996	138	101	A	B	AD9P	17,472	159	56	B	B	VE9NC (+packet)				VA3UA	990,192	1710	147	C	C		
W0AMT	30,624	145	58	A	B	K0LWV	8,200	100	41	B	B	268,176	911	148	D	VE3KZ	720,792	1289	141	C	C		
KA0CSW	16,610	150	55	A	B	KD0FW	850	25	17	B	B	VE9GLF (+ VE9MY)				VE3PN	98,832	350	71	C	C		
K0SR	1,742,974	2168	257	A	C	KC0GTR	792	33	12	B	B	156,816	653	121	D	VA3PC (+packet)							
K0TT	1,720,796	2393	259	A	C	AB0OX	70	7	5	B	B					42,560	224	95	D				
K0KX	961,140	1205	249	A	C	KC0CZI	50,246	264	97	B	C	New Brunswick				VE3EJ (+packet)							
W0BV	794,096	991	248	A	C	K4VX	11,526	114	51	B	C	VE9DXR	80,000	400	100	B	B	622,300	731	254	D		
WA0MHJ	491,400	920	180	A	C	KR0I	134,464	381	88	C	B	VE1KB	63,640	215	74	C	B	VA3EC (+VA3GGF, VE3HG)					
W0ZQ	278,740	566	154	A	C	KS0M	116,808	329	93	C	B	Newfoundland-Labrador						499,592	1201	197	D		
K0HB	214,630	496	127	A	C	KI7WO	79,800	286	70	C	B	VO1HP	333,270	564	161	A	B	Manitoba					
K0AD	163,248	472	114	A	C	W0TY	39,200	181	56	C	B	VO1TA	779,280	1817	191	A	C	VE4YU	433,270	745	185	A	B
N0IJ	30,800	141	56	A	C	WA0IYY	15,972	124	33	C	B	VO1MP	641,088	1284	126	C	B	VE4MM	299,902	1338	113	B	B
K0IR	21,074	147	41	A	C	KU1CW	939,072	1619	146	C	C	Quebec						VE4HAZ	54,448	337	82	B	B
KF0GV	2,838	38	33	A	C	KB5ENP (+KC8SDQ)						VE2AWR	734,010	1051	215	A	B	VE4HUM	5,236	78	34	B	B
KC0LMS/T	868	31	14	B	A	71,928	259	74	D		VA2ADB	43,520	257	85	B	B	VE4RA	3,828	58	33	B	B	
AC0W	348,612	1257	139	B	B	KA0GGI (+K0RAY)					1,035,860	1294	245	D		VE2OWL	188,864	462	104	C	B		
W0RK	161,750	651	125	B	B	AE9B (+packet)					803,880	1172	231	D		VE2CU	181,832	391	119	C	B		
K0XH	140,160	593	120	B	B	WA0SXV (+packet)					76,780	203	110	D		VE2FFE	24,696	128	49	C	B		
W0BN	100,880	491	104	B	B	North Dakota									VE2EM	105,616	289	92	C	C			
KA0ZIA	77,826	360	109	B	B	K0UD	189,020	683	130	A	B	Ontario											
K0DAQ	68,748	341	102	B	B	K0VX	110,920	322	94	A	B	VE3BUC	390,456	658	187	A	A	VE5QRP	87,344	326	103	A	A
W0GHZ	63,400	319	100	B	B	NW0L	78,440	533	74	B	B	VE3WZ	40,170	178	65	A	A	VE5SF	1,024,758	1902	189	A	B
N0PO	45,066	259	87	B	B	KB8CL	45,064	268	86	B	B	VE3OIL	29,770	148	65	A	A	VE5MX	195,052	523	121	A	B
K0BUD	40,280	272	76	B	B	KC0EAK	10,672	120	46	B	B	VE3KQN	11,248	81	38	A	A	VE5AAD	59,622	523	57	B	B
NF0J	30,228	230	66	B	B	KC0HXF	1,596	38	21	B	B	VE3CR	667,696	939	232	A	B	VA5DX	872,976	2803	156	B	C
N0PI	25,544	209	62	B	B	N7IV	94,080	401	60	C	B	VE3STT	558,866	835	209	A	B	VE5CPU	247,200	1243	100	B	C
KC0OBU	17,280	162	54	B	B	Nebraska						VA3XRZ	187,756	474	146	A	B	VE5UF	522,240	1101	120	C	A
K0UH	13,068	124	54	B	B	K0IL	73,098	299	93	A	B	VE3NWA	156,560	365	152	A	B	VE5GC	262,416	803	84	C	B
KB0OQQ	9,020	110	41	B	B	KE0BZ	52,824	292	93	A	B	VE3AGC	105,250	330	125	A	B	Alberta					
N2DUP	2,048	64	16	B	B	K0DG	865,926	1727	219	A	C	VA3RJ	90,900	261	90	A	B	VE6TN	507,056	963	172	A	B
KA0OWY	464	29	8	B	B	N0LGU	66,542	346	97	B	B	VA3PL	29,040	145	55	A	B	VE6WQ	1,287,552	1958	224	A	C
K0VH	152,928	655	118	B	C	NU0C	57,252	374	78	B	B	VA3HUN	25,960	156	59	A	B	VE6ZA	136,850	812	85	B	B
N0UR	331,816	709	118	C	A	AB1BR	47,502	263	91	B	B	VA3IX	16,032	134	48	A	B	VE6FI (VE6AQ, op)					
W0QF	13,728	115	33	A	C	N1ALO	20,864	170	64	B	B	VE3AT	2,253,900	2744	275	A	C	440,022	1965	113	B	C	
KE0UI	268,872	672	102	C	B	WB0AEA	6,300	105	30	B	B	VE3DZ	1,910,112	2101	303	A	C	VE6JY	345,774	1212	143	B	C
N0BUI	203,184	502	102	C	B	KT0K	608,256	1158	132	C	B	VE3ANX	650,670	1107	205	A	C	VE6BF	91,760	308	74	C	A
KI0F	190,944	472	102	C	B	WN0L	107,512	309	89	C	C	VE3VZ	112,350	532	107	B	B	VE6LB	67,920	290	60	C	B
W0PI	123,656	377	82	C	B	South Dakota						VE3UDK	67,628	322	106	B	B	VE6AO (VE6TC, VE6PR, ops)					
W0IZ	79,112	325	62	C	B	K7RE	618,580	1318	157	A	B	VE3TW	63,798	343	93	B	B	263,606	958	133	D		
AA0AW	64,588	250	67	C	B	WB0ULX	43,392	229	96	B	B	VA3SX	46,800	269	90	B	B	British Columbia					
W0HW	59,616	211	72	C	B	KA0VME	24,640	180	70	B	B	VE3NQM	44,720	260	86	B	B	VE7FO	447,524	1076	154	A	B
K0TK	15,960	106	38	C	B	WA0VKC	60	6	5	B	B	VE3TPZ	34,128	220	79	B	B	VE7TLL	25,090	119	65	A	B
KN0V	501,600	1051	120	C	C	W0SD (W0DB, op)					VA3SWG	30,628	251	62	B	B	VE7ZBK	195,552	567	112	A	C	
KR0B (+N0BKL, KJ0B, KS0T, KB0KQA, N0RA, K0KP)						1,182,936	2153	138	C	C	VE3UOT (VE3GD, op)						VA7DP	155,890	920	85	B	B	
1,606,050	2232	249	D			KD0S (+ WD0T, KC0CJH, KC0OCH)					25,728	203	64	B	B	VE7NS	106,444	600	89	B	B		
KT0R (+packet)						1,968,340	2858	253	D		11,074	125	49	B	B	VE7UQ	65,826	477	69	B	B		
683,060	1162	205	D			W0BXO (KB0QEF, KV0Z, KC0OFZ, ops)					10,450	98	55	B	B	VA7MJR	126	9	7	B	B		
W0EF (K0BUD, WA1GWE, KC0LBT, KC0MNU, N0MGQ, WA0NJF, N0NYH, WA0MHJ, W0BN,)						6,600	110	30	D		VE3DUN	9,996	101	51	B	B	VA7XX	550,338	2493	111	B	C	
181,250	523	125	D			Maritime-Newfoundland					VE3UZ	8,364	103	41	B	B	VE7XO	20,520	180	57	B	C	
Missouri						VY2TT (K6LA, op)					VE3RCN	6,860	98	35	B	B	VA7MM	85,668	361	59	C	A	
K0OU	295,148	562	166	A	A	1,823,760	2312	255	A	B	VE3XAX	193,920	491	101	C	A	VE7NI	63,568	275	58	C	A	
KG0US	779,072	1367	188	A	B	VE9WH	193,824	626	144	A	B	VE3NZ	123,552	357	88	C	A	VA7DZ	24,628	138	47	C	A
W0WG	255,744	611	148	A	B	VE1LV	103,768	285	109	A	B	VA3NR	62,288	229	68	A	C	VE7SL	412,892	948	109	C	B
K2HT	120,190	338	119	A	B	VE1JS	198,444	624	138	A	C	VE3UKR	20,480	130	40	C	A	VE7UF	362,900	964	95	C	B
N0IU	17,584	88	56	A	B	VE1RGB	314,160	665	119	C	B	VE3IGJ	384	14	8	C	A	VE7XF	338,520	811	105	C	B
AA0A	13,334	110	59	A	C	VE1AOE	285,868	812	89	C	B	VA3DX	606,680	1066	145	C	B	VA7LC	299,200	753	100	C	B
N0XG	38,016	266	72	B	B	VE1OP (+packet)					VE3OM	273,552	559	123	C	B	VE7IN	255,840	831	78	C	B	
K0DAT	28,220	170	83	B	B	1,504,928	1827	262	D		VE3IAY	79,380	248	81	C	B	VE7BZR	134,784	442	78	C	B	
KC0CQD	19,000	190	50	B	B	Maritime-Newfoundland					VE3OSZ	55,216	120	119	C	B	VE7ASK	66,720	280	60	C	B	
KN0E	18,944	153	64	B	B	VY2TT (K6LA, op)					VE3BNO	12,768	84	42	C	B	VE7JKZ	60,580	234	65	C	C	
KM0R	17,472	160	56	B	B	1,823,760	2312	255	A	B	VA3SK	9,052	73	31	C	B	VA7DX (+packet)						
						893,204	1682	193	D														