By **Ward Silver, NØAX**

2002 ARRL International DX Contest Phone Results

"If it's too good to be true, it must be ARRL DX phone."

After the spectacular conditions enjoyed two weeks previously during the ARRL DX CW, contesters can hardly be blamed for holding their collective breath. I'm sure many were watching the propagation indices all week, fearing that Ol' Sol would let loose with some mighty blast. But 'twas not to be and propagation was excellent—almost a repeat of the CW weekend.

How good was it? Just take a look at the solar indices for Saturday/Sunday...

CW Solar Flux—194/197; Ap—5/8; Averaged K—1.3/2.3

SSB Solar Flux—191/183; Ap—5/10; Averaged K—1.6/2.5

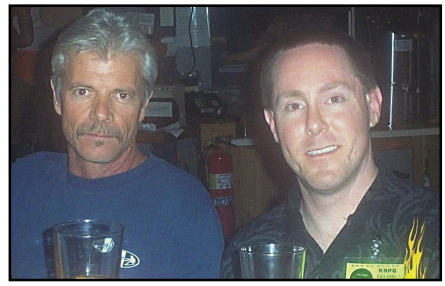
I'll take those numbers any time!

Records

If conditions are good, then records must fall like tenpins, right? Maybe not! When the dust had settled and the log checkers had done their work, only nine new records were set—eight of them by DX stations.

The single new US-VE record was in the Single-op All-Band High-Power (SOAB-HP) category. Bob Shohet, KQ2M, broke his old record from 2000 with 6.78 Megapoints (M). Meanwhile, eight new calls joined the ranks of the DX record holders:

- SN2B—operator SP2FAX—set a new European SOAB-HP record with 3.964 M. M6T also broke the old record (3.828 M) as did GM4YXI (3.342 M).
- LY2PAJ at LY5A repeated last year's feat, setting the SOAB-QRP record for Europe with 801 kilopoints (k) and smashing last year's 540 k effort.
- The European SOAB-Assisted record fell to YT7A with 2.525 M. S51DX was right behind at 2.484 M, also breaking the old record.
- JH7LRS set a new SOAB-Assisted record for Asia with 1.848 M.
- The African Multi-Single (M/S) record is now EA8BH's due to a fine 6.516 M score.
- Asia also has a new M/S champion—JH7PKU's team made 2.876 M to set the standard.
- The 9A1A Multi-Multi (M/M) 7.764 M raised the European bar by 20% from I3MAU's 1992 record of 6.1 M.



Overall DX Combined High Power Single Operator champion Mike, KH6ND, shares a celebration in Dayton with DX Phone champion Paul, K9PG, operator at ZF2MM.

KL7RA

Rich, KL7RA, the #3 finisher in DX 15-meter Single-Band.

- EA8ZS's 5.032 M set a new African M/M record.

Exceptional Performances

- Mike Gibson, KH6ND, piloted KH7R to a fifth World Combined Score trophy (1981, 1988, 1991, 2001, and now 2002). In the process, he missed breaking the Oceania SOAB-HP record by 1%.
- There is something special going on up in Alberta. The crew at VE6JY did some serious contesting last March submitting several top single-band scores. VE6WQ was #1 on 15 meters with 1.044 M over N3RD and N2TX far to the east and south. VE6MA finished #3 on 40 meters, while TI2MGO put the station in the top 20 with 348 k using a 7/7/7/7 stack of OWA Yagis. Visit **narc.net/ve6jy** for more.

US-VE QRP

The QRP motto is *Vi Minore, Plus Gaudium* or *Less Power, More Joy.* There was plenty of joy to go around this year. Tom, N4KG, walked away with top honors by a huge margin and a big 769 k score. In a surprising #2 finish from the Pacific Northwest in EWA, Dan, K7MM put up 469 k.

US-VE Low Power

As mentioned earlier, Yuri, VA3UZ, won by a whisker over Paul, K8PO, in a really close finish. If three multipliers had been subtracted or added, respectively, these guys would have traded places. Bill, ACØW, put a MN station in the third position with 1.592 M and Les, N1SV, represents New England in fourth.

US-VE High Power

Bob, KQ2M, continues to add to his string of victories, outdistancing challenger Dave, KM3T, at K5ZD (5.378 M) with a score of 6.586 M—and another record. Ken, K4ZW, was close behind, along with John, VE3EJ and Mike, W9RE.

US-VE Assisted

SO-Assisted is a popular category, particularly among the DXers who are looking mainly for multipliers. 203 logs were submitted this year. Running high power, perennial winners Chas, K3WW, and Ray, W2RE, traded places this year with K3WW finishing in first place and both comfortably ahead of the pack.

US-VE Single-Band Entries

To really get to know a band, do a 48-hour DX contest in the single-band category. You will find unusual openings— skew paths, long path, sunrise, sunset, sporadic-E—that you might not be able to take advantage of in an all-band effort when other bands are open.

10 Meters

Although he was unable to repeat his record-setting performance of 2000, Bill, W4ZV, was once again the leader with 893 k. Chuck, W5PR, and Neal, K4EA, were hot on Bill's heels in second and third

Top Ten

US

Single Operator High Power

KQ2M	6,586,785
K5ZD (KM3T, op)	5,378,688
K4ZW	5,198,226
VE3EJ	5,180,736
W9RE	5,163,342
N2NT	4,858,050
VY2SS (K6LA, op)	4,044,504
AA1K	3,958,254
WB9Z	3,921,681
K3ZO	3,907,806

Single Operator Low Power

VA3UZ	1,802,808
K8PO	1,786,536
AC0W	1,592,604
N1SV	1,458,972
N5AW	1,421,766
K8EP	1,393,560
N4TZ	1,374,744
W2TZ	1,326,051
K1VR	1,309,608
WS1A	1,223,046

Single Operator QRP

N4KG	769,860
K7MM	469,572
N2XT	370,296
W3EWL	350,625
WA8ZBT	322,575
KB3TS	292,746
KK0Q	281,220
N0UR	254,364
N3GXY	167,322
VE6BF	160,890

10 Meters

W4ZV	893,025
W5PR	833,112
K4EA	727,665
K9NW	722,502
K5RX	721,020
K4WI	657,189
VO1MP	616,308
K7XZ (K1MY, op)	589,950
K4VX (N9JF, op)	570,630
K7QQ	551,304

15 Meters

VE6WQ (@VE6JY)	1,041,216
N3RD	994,698
N2TX	920,586
W7WA	904,860
K6HNZ	425,907
AD4L (@N4AF)	411,336
WA7AR	322,050
WF3J	194,400
VE7ZBK	122,604
N1HRA	109,824

20 Meters

N7DD	488,436
WW4M	362,880
K1QS	341,649
VE6EX (@VE6JY)	218,442
N9HCA	178,668
W7EB	175,491
K4VUD	173,280
KB1EAX (WA1LNP, op)	153,846
W0ID	143,748
W5ZO	103,788

40 Meters

K4XS	234,600
WQ2M	69,423
VA6MA (VE6MAA, op)	62,622
W2MF	56,832
K7KR	41,382
VE7IG	39,168
K8DJC	34,506
W9GXR	28,350
K8AO	25,575
KD4RH	17,784

80 Meters

AA1BU	92,664
KM1R	21,576
AC8Y	6,048
VA6DXR (VE6JY, op)	2,592
KI6PG	858

160 Meters

AA4MM	2,754
N8LIQ	240

Single Operator Assisted

K3WW	5,128,524
W2RE	4,846,485
K2DM	3,387,912
W1GD	3,038,706
W2GD	2,997,558
W2GDJ	2,833,056
N8TR	2,804,490
N2MM	2,802,462
K5KG	2,608,392
AA3B	2,489,619

Multioperator Single Transmitter

K8AZ	4,803,405
W0GU	4,557,558
W4MR	4,458,690
K8CC	4,245,648
K5NZ	4,073,994
K0DU	3,759,465
K2XR	3,706,680
NE3F	3,509,505
K5NA	3,386,358
AA1ON	3,329,214

Multioperator Two Transmitters

K1AR	10,978,902
K4JA	10,436,928
KI1G	9,132,552
KR1G	7,705,359
N4TO	7,296,330
K1IR	6,794,550
W5KFT	5,689,749
KB1H	5,651,208
VE6SV	5,390,784
K2RD	5,212,464

Multioperator Unlimited Transmitters

W3LPL	17,860,626
KC1XX	16,928,352
K9NS	15,504,795
W2FU	11,211,258
W1FJ	9,843,207
N2RM	8,866,956
W3PP	8,380,587
K1TTT	7,748,055
K3NM	7,427,160
K3ANS	7,424,235

DX

Single Operator High Power

ZF2MM (K9PG, op)	9,125,403
8P5A (W2SC, op)	8,219,232
KH7R (KH6ND, op)	6,668,160
VP2E (N5AU, op)	6,330,636
TI5/VE7CC	5,481,864
V47KP (W2OX, op)	5,045,256
WP2Z (N2TK, op)	4,595,331
SN2B (SP2FAX, op)	3,942,576
M6T (G4PIQ, op)	3,799,275
NH7A	3,680,040

Single Operator Low Power

P40P (W5AJ, op)	5,233,569
HK3JJH	1,954,578
J6/G3TBK	1,690,920
JH4UYB	1,148,490
JM1LPN	1,019,466
ZX2B (PY2MNL, op)	999,312
EA3CI	959,004
6Y8Z	872,505
EA1WS	813,768
XE2AUB	811,440

Single Operator QRP

TI5N (W8QZA, op)	949,200
LY5A (LY2PAJ, op)	801,216
F5BEG	372,960
F5NOD	202,206
JA2AXB	161,172
JR4DAH	156,600
LU1VK	116,376
RX9SR	93,174
IK7RVY	92,184
F6FTB	86,355

10 Meters

ZX5J	598,959
PJ2K (K6RO, op)	568,800
ZF2AH	501,972
HC1HC	477,360
NP3X (KP4WW, op)	474,120
I4TJE	435,774
9A5Y	423,738
DF9ZP	419,136
IU2P	410,640
S50C (S55OO, op)	399,135

15 Meters

P40A (KK9A, op)	640,917
OK1RI	450,180
KL7RA	446,217
9A1P	397,188
HR3J (JA6WFM, op)	393,120
IR4T	378,720
4O6A (Z32AF, op)	377,718
OH6AC (OH6CS, op)	363,255
OH6RX	359,778
IQ3A	351,900

20 Meters

OH4A (OH6LI, op)	470,580
OH5LF	397,260
RJ1Z (RW1ZA, op)	330,315
OM5M (OM2RA, op)	327,960
CT1AHU	311,040
RA1ACJ	296,280
SM0W (SM0WKA, op)	269,394
IT9STX	235,338
S51CK	220,719
LY9A (LY3BA, op)	199,620

40 Meters

GW7X (GW4BLE, op)	196,272
EA1DLU	113,100
DF3GY	85,800
9A4D (9A5WA, op	85,065
JS2LGN (JA7KAC,op)	54,774
UT4UO	53,664
PY3NZ	51,357
PY6KY	18,093
OK2GG	16,695
LZ2RF	5,760

80 Meters

YV5OHW	114,741
YV4FZM	105,435
OT2T (ON4UN, op)	60,228
I4AVG	59,469
S59CAB (S53CC, op)	49,770
YT6A	43,401
S57O	31,080
IV3OWC	30,135
SP6HEQ	19,908
UZ7U (UT3UA, op)	17,052

160 Meters

YV1CP	13,068
HA5JI	3,315
S57M	2,295
F6CWA	1,302
DL7CX	828

Single Operator Assisted

8P6SH	2,634,864
YT7A (4N7DW, op)	2,515,590
S51DX	2,482,560
JH7LRS	1,822,356
OH6NIO	752,115
IZ5CML	447,393
7L4IOU	410,670
EA5FID	340,632
YL2LY	216,423
SN2E	160,785

Multioperator Single Transmitter

VP5B	7,713,498
FY5KE	7,480,368
EA8BH	6,508,608
PJ4G	5,865,552
TM5C	5,284,104
6D2YFM	5,180,097
V31DJ	4,575,501
FG/TO4T	4,230,882
CT9M	3,960,414
OM0M	3,574,977

Multioperator Two Transmitters

RU1A	4,824,360
HG6N	4,768,353
DL6RAI	4,387,770
OA4O	4,122,495
RM6A	3,327,168
EA5DFV	3,298,392
IO2A	2,653,410
JI2KVW	1,676,700
JA1YFG	1,015,692
SP4KEV	647,328

Multioperator Unlimited Transmitters

VP5A	9,571,968
9A1A	7,659,792
9A7A	5,436,957
EA8ZS	4,882,500
V26S	4,419,519
LY7Z	3,883,932
YT9X	3,624,942
JA3YBK	3,531,990
LT1F	3,154,800
LY7A	2,171,325

place, respectively. This year's peak rate was 194/hr compared to 215/hr in 2001.

15 Meters

While 10 meters was rockin' just above, 15 meters had more multipliers available and there was no shortage of QSOs. In an upset win from the Canadian plains, Hirsh, VE6WQ, at the controls of VE6JY's big station, took the #1 spot with 1.04 M.

20 Meters

The Top Ten on 20 was widely distributed with 7 call areas represented from Maine, to Alberta, to Arizona, to Florida. When the dust had settled on the "Queen of the Bands," Larry, N7DD, had put together a big 488 k score to win.

40 Meters

This category was dominated by Bill, K4XS, with 234 k—better than 3:1 over the nearest competitor, Mike, WQ2M, at 69,423. Maurice, VA6MA, finished third with another VE6JY station entry from Alberta and Manny, W2MF, was fourth.

80 and 160 Meters

These sparsely populated categories are currently in the dozey doldrums waiting for the sunspots to return to their 11-year slumber. Nevertheless, Joe, AA1BU, and Leo, AA4MM, should be congratulated for their 92 k and 2.7 k efforts and discipline to deal with what must have been tough conditions on these bands.

US-VE Multioperator

The multioperator categories account for a surprisingly large percentage of QSOs and operators. Behind every big multiop station score can be found two to more than a dozen operators working away.

The Midwest and Southeast duked it out for the title this year in Multi-Single. The crew at K8AZ scored 4.8 M from OH to squeak by W0GU's fine score of 4.56 M from CO. The NC station of W4MR was oh-so-close behind at 4.46 M, one of the tighter Top Ten finishes. The perpetually competitive K8CC team came in fourth from MI and K5NZ's crew placed 5th from STX.

Operating from K1EA's fine station, K1AR and associates prevented the operators at K4JA's equally impressive station from repeating last year's win in Multi-Two, but only by the slimmest of margins—10.98 to 10.44 M—one of this year's closest races. Tightly clustered a bit further back, KI1G from the sought-after state of RI, KR1G, and N4TO all put together good team efforts.

In a swap from the CW competition, the Multi-Multi of W3LPL took the top trophy of the terrific titans, hotly pursued by KC1XX, last year's tympanic titlist. The up-and-coming crew at K9NS was in hot pursuit for the bronze—much closer than in years past. Look out New Englanders! The big M/M stations also manage to find the most multipliers of any category—W3LPL bagged 149 on 10 meters, 155 on 20 meters, and put a DXCC together on 40 meters while KC1XX found an incredible 158 on 15 meters. W3LPL missed 5BDXCC by only 18 multipliers on 80 meters.

Affiliated Club Competition

With all the hot conditions, the club totals are staggering. In the Unlimited category, the Yankee Clipper Contest Club pushed their totals to an all-time high of 372 M. The order remains the same as last year—Frankford RC (although FRC had a higher average score), Potomac Valley RC, and Society of Midwest Contesters (with a huge jump in par-

ticipation to 141 logs).

The most popular club category is the Medium category and the North Coast Contest Club held on to the top spot despite a strong challenge from the Florida Contest Group. In the Local category, the Hudson Valley Contesters & DXers retained bragging rights at the top of the heap, fending off the River City Contesters again this year, 19 to 17 M.

DX QRP

Guest operating from Costa Rica, Bill, W8QZA, took home the trophy at TI5N with an impressive 949 k. Right behind was LY2PAJ setting another European record from LY5A with 801 k. The top Asian finisher was JA2AXB with 161 k and from South America, LU1VK with 116 k.

DX Low Power

While the US-VE category was extremely tight, not so in DX SOAB-LP where Bob, W5AJ, at P4ØP finished first with a big 5.2 M effort that would have been sixth in the High Power category. Pedro, HK3JJH's 1.954 M was second while G3TBK made an expedition to St Lucia to finish third with 1.69 M. JH4UYB placed 4th with the top score from Asia of 1.148 M and EA3CI was the European low-power champ at 959 k. XE2AUB contributed North America's top score of 811 k.

DX High Power

In first place, the checkered flag went to Paul, K9PG, guest operating as ZF2MM from ZF2NT's growing station. Paul also put together some major rate and still managed to have an error rate of less than 1 percent. In second place, we find Tom, W2SC, in the Bahamas with 8.22 M, chased by Mike, KH6ND, with 6.67 M from KH7R's super Oahu QTH.

DX Assisted

Overcoming the extensive European network advantage, 8P6SH bested the top European finishers 4N7DW at YT7A and S51DX with 2.63, 2.51 and 2.48 M, respectively. In fourth place, JH7LRS posted 1.82 M, the highest score from Asia by a wide margin.

DX Single-Band

Single-band operation is even more popular from the DX side than from the states and Canada. Because the ARRL DX contest is targeted (i.e., DX works only US and VE) it is unlikely that there will be propagation to North America 24 hours a day from many DX locations. So many DX operators pick the "good" bands and stay there. Also, single-band makes a contest expedition less of a chore and leaves a little time for the beach.

Table 2

Phone and Combined Sponsored Plaque Winners

Congratulations to the winners of the following sponsored plaques for the 2002 ARRL International DX Phone Contest.

Winner	*Plaque Category*	*Plaque Sponsor*
KQ2M	W/VE High Power Phone	Frankford Radio Club
VA3UZ	W/VE Low Power Phone	Dauberville DX Association
N4KG	W/VE QRP Phone	Jeffrey Briggs, K1ZM
K3WW	W/VE Single Operator Assisted Phone	Pete Carter, K3VW Memorial
K8AZ	W/VE Multioperator Single Transmitter Phone	Steve Adams K4RF
K1AR	W/VE Multioperator Two Transmitter	Northern Neck Contest Club
W3LPL	W/VE Multioperator Unlimited Phone	Western New York DX Association
AA1BU	W/VE 3.5 MHz Phone	K1ZM Communications, Inc
N7DD	W/VE 14 MHz Phone	William F. Beyer Jr, N2WB
ZF2MM (K9PG, op)	World Single Operator Phone	North Jersey DX Association
P4ØP (W5AJ, op)	World Low Power Phone	DX Publishing, N4AA
TI5N (W8QZA, op)	World QRP Phone	Southern Arizona DX Association
8P6SH	World Single Operator Assisted Phone	Willamette Valley DX Club
VP5B	World Multioperator Single Transmitter Phone	Carl Cook, AI6V/P49V
RU1A	World Multioperator Two Transmitters Phone	W6NL and K6BL
VP5A	World Multioperator Unlimited Phone	Stanley Cohen, W8QDQ
YV1CP	World 1.8 MHz Phone	In Memory of ZL2BT
OH4A (OH6LI, op)	World 14 MHz Phone	Don Wallace, W6AM, Memorial Award
P4ØA (KK9A, op)	World 21 MHz Phone	Long Island DX Association
ZX5J	World 28 MHz Phone	North Shenandoah DX Association NS4DX
KH7R (KH6ND, op)	World Single Operator Combined Score—High	Mike Manafo, K3UOC
J6/G3TBK	World Single Operator Combined Score - Low	C. Sharp, K5DX Memorial by the Texas DX Society
9A1A	World Multioperator Unlimited Combined	W2PC Memorial - Schenectady ARA
KQ2M	W/VE Combined Score	National Contest Journal
W9GXR	W/VE 7 MHz Combined	N7DD in memory of Jim Rafferty N6RJ
N4TZ	W/VE Low Power Combined Score	Rochester DX Association K2FR Memorial Plaque
7J2YAF (JA1KSO, op)	Asia Single Operator Phone	Tim Coad, NU6S
JA1YPA	Asia Multioperator Single Transmitter Phone	Yankee Clipper Contest Club
M6T (G6PIQ, op)	Europe Single Operator Phone	Jerry Griffin, K6MD
RW2F	Europe Multioperator Unlimited Phone	Operators at K1TTT
8P9JA (@8P9Z)	North America Multioperator Single Transmitter Phone	Nick Lash, K9KLR
KH7R (KH6ND, op)	Oceania Single Operator Phone	W7EW in honor of W7IYW
LU1FC	South America Multioperator Two Transmitter Phone	Operators at K1TTT
W9RE	Central Division High Power All Band Phone	Society of Midwest Contesters
KD9ST	Central Division Multioperator Single Transmitter Phone	Society of Midwest Contesters
W0ETT	Rocky Mtn Division Single Operator Low Power Phone	Grand Mesa Contesters
W7EJ	Seventh Call Area All Band Phone	Willamette Valley DX Club
JH4UYB	Japan Low Power All Band Phone	Western Washington DX Club

Overall category winners, continental winners, ARRL Division winners or US call area winners may purchase their unsponsored plaque for $60 by contacting the ARRL Contest Branch at 860-594-0295. Inquiries may also be sent via email to **contests@arrl.org**.

10 Meters

Even in peak form, 10 meters still is best on the long north-south paths and ZX5J was able to make that work with a close win over K6RO at PJ2K, 598 to 568 k. This year, even the stations in the Caribbean and close to the North American continent were able to make big scores as ZF2AH's 501 k in third place illustrate.

15 Meters

The hop across the Caribbean was positioned just right and KK9A's big P4ØA score of 640 k shows it. In such good conditions, this band also thrives on the polar paths and this year KL7RA made a huge move to the #3 spot worldwide with 446 k, just missing being #2 by a whisker behind OK1RI's Europe-leading 450 k.

20 Meters

Reliably open 24 hours a day to somewhere, 20 was a pipeline across the North Pole and the Top Ten were all European scores—from OH and UA1 to CT1 and IT9. Congratulations to OH6LI who handily outscored countryman OH5LF 470 to 397 k and fended off a challenge from eastern neighbor station RJ1Z with 330 k.

40 Meters

Band misalignments and "sharing" with multi-Megawatt BC stations makes 40-meter phone the toughest DX band. That said, GW4BLE at GW7X, perched on the western edge of England, was able to make over 1100 QSOs for 196 k and take home first place over EA1DLU's 113 k.

80 meters and 160 Meters

Braving static crashes, the top two spots on 80 meters were claimed from the north shore of South America by YV5OHW (114 k) and YV4FZM (105 k.) The big Belgian station of ON4UN put OT2T in enough logs to be the top European entry at 60 k. The following had enough gumption to make a single-band 160-meter entry: YV1CP—13 k, HA5JI—3.3 k, S57M—2.3 k, F6CWA—1.3 k, and DL7CX—828 pts.

DX Multi-Single

Here's another category packed with

teams traveling far and wide and by far the most popular DX multi-op category. More than a one-man show, a team can be competitive, enjoy a vacation, and not be completely exhausted on returning home. The Caribbean is a favorite destination and the VP5B team managed a close, but solid #1 finish over the South American winner, FY5KE, 7.71 to 7.48 M. From Africa, EA8BH not only came in third, but set a new record from that continent with a score of 6.5 M. TM5C was the top-scoring European team with 5.28 M. JH7PKU's 2.82 M were enough to be the best in Asia.

DX Multi-Two and Multi-Multi

Not as popular internationally as it is in North America, these lightly populated categories still put up some big scores. Both categories are dominated by the European club stations that appear in all of the major contests. For M/2, the team at RU1A scored 4.82 M and was able to maintain a slim lead over the big signals of HG6N and their 4.77 M for a top slot.

Making the Turks and Caicos a very crowded RF environment, the VP5A team garnered nearly 10 M on their way to taking the world title in M/M. 9A1A set a new European record in the #2 spot with 7.66 M and the EA8ZS team set a new African record with a #4 finish and 4.88 M. JA3YBK's 3.53 M was the big score from Asia and LT1F kept Argentina in everyone's log as the top South American score at 3.15 M.

The 2003 running of the ARRL International DX Phone Contest is scheduled for March 1-2. We can't promise great propagation or record-setting performances. But we can promise participants will have a great challenge and lots of fun.

Scores

Scores are listed by DXCC entity and ARRL/RAC sections. Within each entity or section, scores are listed in descending order, Single Op by power categories, then Single Band entries. All Single Assisted and Multioperator entries then follow. Line scores list call sign, score, QSOs, multipliers, power (A = QRP, B = Low Power, C = High Power), and band (if single band).

Phone

US

Single Operator

1

Connecticut

N1TM	127,602	278	153	A
W1CTN	1,152,921	1127	341	B
W1JQ	633,255	815	259	B
W3SM	213,921	417	171	B
W1AZT	170,655	367	155	B
WD4JR	112,512	293	128	B
W1AMF	98,010	270	121	B
K3UFG	76,638	241	106	B
W1DMM	22,644	102	74	B
K3YJP	1,530	30	17	B
KQ2M	6,586,785	4365	503	C
K1KI (KM1P, op)	2,841,894	2778	341	C
AK1N	541,680	740	244	C
KF2XK	410,400	608	225	C
NT1N	354,888	636	186	C
N1JW	139,464	312	149	C
K1RO	23,400	100	78	C
KM1R	21,576	124	58	B 80
W1AW (N1ND, op)	41,664	248	56	C 20

Eastern Massachusetts

N1SV	1,458,972	1422	342	B
K1VR	1,309,608	1269	344	B
K1VUT	1,164,429	1281	303	B
N1DD	1,155,000	1250	308	B
K1NU	1,012,680	1164	290	B
N3KCJ	532,440	765	232	B
K1HT	502,152	686	244	B
WG1Z	490,956	652	251	B
N1DS	204,750	375	182	B
KA1EKR	197,895	395	167	B
WA1OLV	122,292	316	129	B
N1QVN	118,035	305	129	B
K1WCC	117,150	275	142	B
K1RB	107,865	235	153	B
N1HTS	87,465	245	119	B
N1VI	83,460	260	107	B
W1TE	69,324	218	106	B
KY1B	54,756	169	108	B
K1VU	48,015	165	97	B
KB1CJ	41,160	140	98	B
K1EP	24,708	116	71	B
N1IST	12,312	76	54	B
W1KRS	667,680	856	260	C
N1AU	572,025	725	263	C
K5MA	274,329	489	187	C
W1MK	40,848	148	92	C
W1DO	30,000	100	100	C
AA1BU	92,664	429	72	C 80
N1DC	72,303	313	77	B 10
N1WRK	23,316	134	58	B 10
W1PLK	5,220	58	30	B 10

Maine

W1CEK	23,010	118	65	A
N1LW	528,525	725	243	B
AA1UT	241,956	429	188	B
NS1Z	82,485	235	117	B
AA1WI	59,340	230	86	B
K1SWG	55,386	181	102	B
W1GX	29,400	140	70	B
N1YIS	14,952	89	56	B
N1RY	1,026,060	980	349	C
W1AO	832,869	981	283	C
K1QS	341,649	957	119	C 20

New Hampshire

WS1A	1,223,046	1278	319	B
W1UR	380,598	554	229	B
W1DAD	260,178	421	206	B
KA1OEO	188,754	386	163	B
K1RDM	186,576	368	169	B
W1LZ	59,364	194	102	B
WA1Z	50,634	174	97	B
AE1D	34,200	150	76	B
K1MOM	1,020	20	17	B
KC1F	2,035,152	2019	336	C
WT1M (N1HKO, op)	403,305	805	167	C
NR1DX	102,684	199	172	C
KB1EAX (WA1LNP, op)	153,846	518	99	B 20
KG1V	62,826	283	74	B 10

Rhode Island

K1VSJ	295,668	516	191	B
KB1LN	134,964	326	138	B
W1VET	20,160	96	70	B
W1OP	1,033,344	1196	288	C
WA1MKS	52,425	233	75	C 20
N1HRA	109,824	416	88	B 15
N1YKH	3,828	44	29	B 10

Vermont

K8EP	1,393,560	1470	316	B
KA1LDS	71,043	199	119	B
N1HLP	61,740	196	105	B
KA1BSZ	34,506	142	81	B
KD1R	18,000	100	60	B
N1BCL	449,235	745	201	C
K1CN	84,252	238	118	C
W1ZK	20,580	140	49	C 20

Western Massachusetts

W1KT	747,840	779	320	B
WT1S	244,770	410	199	B
N1SR	23,808	128	62	B
K5ZD (KM3T, op)	5,378,688	3864	464	C
N1FUS	422,496	652	216	C
KV1W	147,408	332	148	C
W1QA	714	17	14	C
WR1X	51,612	253	68	B 10

2

Eastern New York

W2IX	61,056	192	106	A
KE2DX	1,165,110	1094	355	B
W2ENY	423,852	572	247	B
K2PH	227,448	468	162	B
N2MTG	121,437	309	131	B
N2BZP	92,928	256	121	B
K2RI	29,862	126	79	B
N2HTT	22,869	99	77	B
N2CJN	16,218	102	53	B
N2SKH/M	3,672	36	34	B
N1JP	1,064,232	1137	312	C
K2BX	852,768	987	288	C
K2ZP	560,745	733	255	C
N2SQW	247,212	436	189	C
K2XF	182,358	307	198	C
N2LH	45,990	219	70	C 20
WX2N	34,362	166	69	B 15

NYC-Long Island

WB2ZTH	653,982	677	322	B
N2GA	484,191	711	227	B
N2MUN	277,704	551	168	B
WB2OQQ	143,448	344	139	B
N2LDV	70,620	214	110	B
K2CAD	44,847	151	99	B
N2LEB	41,040	152	90	B
N2GC	1,246,140	1290	322	C
WB2AMU	9,225	75	41	B 40
K2RED	32,472	164	66	B 20
KA2VVO	4,785	55	29	B 20
WA2OVG	468	13	12	B 20
N2TX	920,586	2161	142	C 15
K2MFY	249,417	749	111	B 10
K2WY	122,808	476	86	C 10
KS2G	93,480	410	76	B 10
N1GNV	9,912	59	56	A 10

Northern New Jersey

K2JT	3,552	37	32	A
W2JEK	2,688	32	28	A
K2YSY	212,040	380	186	B
K2SZ	155,964	317	164	B
N2TTT	99,702	191	174	B
W2PI	74,256	221	112	B
K2YLH	53,289	191	93	B
N2LK	45,924	178	86	B
N2VM	36,984	134	92	B
WB2IDV	31,806	186	57	B
N2NT	4,858,050	3475	466	C
N2LT	2,433,684	2266	358	C
N2KPB	662,547	821	269	C
W2UDT	501,228	702	238	C
WA4ATJ	313,311	577	181	C
WA2BKN	83,616	208	134	C
K2ZB	81,084	233	116	C
WQ2M	69,423	317	73	C 40
KX2S	58,560	244	80	B 20
AE2JC	48,750	250	65	B 15
W2KXD	1,368	24	19	C 15
W2KV	259,875	825	105	C 10
N2GM	177,696	617	96	B 10
K2OEI	30,528	192	53	B 10

Northern New York

N2JNZ	92,574	278	111	A
NS2P	458,229	667	229	B
K2CC (KC2BMG, op)	24,360	116	70	B
NT2W	6,273	51	41	B
KC2GHT	4,032	48	28	B 15
NG2C	88,893	357	83	B 10

Southern New Jersey

KV2M	191,688	392	163	B
KA2YKN	66,750	178	125	B
K2MK	45,816	166	92	B
W2ZQ (KC2DLA,op)	44,880	170	88	B
W2DBA	27,903	131	71	B
K3MYR	23,625	105	75	B
AF2G	3,672	36	34	B
N2MR	1,313,940	1436	305	C
K2UT	607,944	694	292	C
WK2W	407,232	606	224	C
W2MF	56,832	256	74	B 40
K2BQW	67,860	290	78	B 15
AD3Y	5,133	59	29	B 15
K2SWZ	13,536	94	48	B 10
KF2BQ	2,970	55	18	C 10
KD2P	2,646	42	21	B 10

Western New York

N2XT	370,296	556	222	A
WB7OCV	67,374	197	114	A
W2TZ	1,326,051	1377	321	B
K2BF	329,460	578	190	B
N2CK	254,388	493	172	B
KV2X	144,000	320	150	B
N2LQQ	133,866	333	134	B
WB2SXY	124,683	299	139	B
N2UM	66,600	200	111	B
WA2YSJ	18,723	79	79	B
KB2URI	16,443	87	63	B
W2LU	1,035,639	1089	317	C
WR2V	325,206	534	203	C
W2FUI	141,789	313	151	C
N2APQ	44,400	200	74	C
KC2DGC	35,280	147	80	C
K2YEH	8,775	65	45	B 40
N2CU	93,744	372	84	B 10
WB2HWI	65,604	308	71	B 10
K2CVG	44,064	216	68	B 10

3

Delaware

W3TT (N9GG, op)	38,142	163	78	B
KB3FEI	20,790	110	63	B
AA1K	3,958,254	3187	414	C

Eastern Pennsylvania

KB3TS	292,746	503	194	A
N3GXY	167,322	353	158	A
WF3M	312,930	549	190	B
K3OX	281,196	428	219	B
WR3H	103,416	278	124	B
WA3AAN	89,505	221	135	B
K3NK	85,470	259	110	B
KA3PVA	67,032	196	114	B
KE3TC	51,552	179	96	B
W3BEN	49,749	161	103	B
K3SV	22,950	102	75	B
W3JRY	17,100	100	57	B
N3UP	4,773	43	37	B
W3BGN	3,624,147	2897	417	C
K3MD	1,319,976	1358	324	C
W3RJ	691,008	976	236	C
N3KR	662,220	780	283	C
W3BYX	625,968	756	276	C
K3XC	536,556	733	244	C
N3RJ	440,028	719	204	C
K3VA	338,790	491	230	C
AD3Z	253,308	418	202	C
W3IZ	49,941	179	93	C
WY3T	25,350	130	65	C 20
W3GT	13,332	101	44	B 20
N3RD	994,698	2271	146	C 15
W3SSS	26,280	146	60	B 15
W3EFH (K3EGE,op)	20,502	134	51	C 10
K3NL	15,834	91	58	B 10

Maryland-DC

W3EWL	350,625	625	187	A
K3TW	75,264	224	112	A
W3LL	542,700	675	268	B
W3UJ	516,624	752	229	B
KE3VV	467,460	636	245	B
K3DSP	380,688	616	206	B
WA2VUM	284,382	518	183	B
W3ARS	265,848	418	212	B
K3VY	231,030	453	170	B
N3ND	222,216	376	197	B
N3FNE	149,703	359	139	B
NS3T	98,910	210	157	B
N3EYB	96,330	247	130	B
KA3DAE	65,136	236	92	B
W3DOS (K3TW,op)	30,240	140	72	B
KT3D	29,184	128	76	B
KC3I	23,310	111	70	B
W3FQE	21,420	105	68	B
K3ZE	13,944	83	56	B
W3CQH	4,032	42	32	B
K3ZO	3,907,806	3154	413	C
N3HXQ	1,168,455	1277	305	C
N3FX	299,700	555	180	C
W3BW	249,480	360	231	C
W2BZR/3	203,397	449	151	C
K3EE	43,239	203	71	C 20
AE3M	5,400	60	30	B 20
W3QYL	945	21	15	B 15
N3HBX	517,140	1690	102	C 10
KT3RR	297,300	991	100	B 10
W3CP	43,758	221	66	B 10
WR3L	34,992	108	108	C 10
N3ZPL/M	2,046	31	22	B 10

Western Pennsylvania

WN3VAW	369,369	533	231	B
N3PUY	192,024	381	168	B
WB3AVD	26,568	123	72	B
N3ZNI	12,240	80	51	B
W3IQ	535,260	811	220	C
AD8J	528,273	743	237	C
W3JXP	79,236	213	124	C
N3FR	56,334	229	82	B 20
WW3S	299,421	969	103	B 10
K3GW	63,384	278	76	B 10

4

Alabama

N4KG	769,860	910	282	A
W4AUB	27,432	127	72	B
WB4TT	23,460	115	68	B
K4AB	2,724,252	2396	379	C
AG4W	594,594	819	242	C
W4NTI	403,326	582	231	C
N8DSG	188,856	366	172	C
K4WI	657,189	1781	123	C 10
W6DSQ	26,520	136	65	B 10

Georgia

WB6BWZ	27,489	119	77	A
N4NX	1,070,649	1059	337	B
KT4ZB	472,719	713	221	B
KT4Q	355,320	564	210	B
KT4FD	279,153	441	211	B
N4WD	51,030	189	90	B
AE4Y	41,769	153	91	B
KE4ARH	26,208	104	84	B
K4OGG	16,236	82	66	B
WA4TII	1,454,112	1496	324	C
K4BAI	1,085,616	1436	252	C
K4PHE	330,738	554	199	C
KB4BBC	27,342	147	62	B 15
K4EA	727,665	1745	139	C 10

Kentucky

WR4F	307,881	543	189	B
WA4QMQ	261,105	515	169	B
W4DHE	214,890	377	190	B

North Carolina

N1GC	612,765	765	267	B
NX9T	372,330	591	210	B
KK4RV	282,978	474	199	B
K4MWB	131,826	254	173	B
K4AHC	119,280	280	142	B
KQ2P	106,125	283	125	B
N4QVM	55,224	156	118	B
KS4AA	35,490	130	91	B
NI4S	22,236	109	68	B
AE4EC	21,726	102	71	B
N2BT	16,320	80	68	B
K4BMH/M	10,530	65	54	B
W4WTB	1,617,408	1536	351	C
N4CW	615,654	877	234	C
NC4MI	265,398	497	178	C
N4UH	224,640	384	195	C
NC4NC	175,653	673	87	C
KW4DA	89,385	295	101	C
W4YDY	74,151	231	107	C
W4NC (N4VHK, op)	13,818	98	47	B 40
WW4M	362,880	1152	105	C 20
WA2TBQ	468	13	12	A 20
AD4L (@N4AF)	411,336	1182	116	C 15
K4QVK	18,177	83	73	B 15
W4ZV	893,025	2205	135	C 10
N4ZAK	31,680	165	64	A 10

Northern Florida

KQ4YY	43,032	163	88	A
K4JAF	386,325	505	255	B
NS4W	313,992	534	196	B
KB4ET	223,875	375	199	B
W4YA	105,918	254	139	B
KE1F	80,712	228	118	B
N4BGH	8,085	55	49	B
W7QF	182,448	362	168	C
AD4E	4,464	62	24	C
AA4MM	2,754	34	27	C160
K4VUD	173,280	608	95	C 20
KX2J	40,365	195	69	B 20
NT0Y	11,211	101	37	B 15
N4EK	31,860	180	59	B 10
W9CNF/M	624	16	13	B 10

South Carolina

WM3O	212,760	394	180	B
K4ADI	65,805	205	107	B
W4HGW	49,296	158	104	B
W2JJC	616,800	1028	200	C
KD4RH	17,784	114	52	C 40
N9HCA	178,668	709	84	C 20
W4JKC	38,793	193	67	B 15
W4ULY	330	11	10	A 15
K4TSU	53,970	257	70	B 10

Southern Florida

WD4OAY	7,224	56	43	A
K4RFK	327,894	518	211	B
WT5L	170,841	341	167	B
AA4RX	168,858	354	159	B
WB2QLP	160,218	414	129	B
K3MTO	130,524	292	149	B
AK4DM	102,168	258	132	B
W4/VE3BUC	100,584	254	132	B
KC2FKM	24,156	122	66	B
KC4PX	1,260,630	1305	322	C
N8PR	624,663	741	281	C
NJ2F	567,180	822	230	C
W4SAA	77,190	310	83	C 15
N3HO	32,472	164	66	B 15
N4BP	400,860	1310	102	C 10
WC4H	161,766	627	86	C 10
K4YYR/M	12,408	94	44	B 10

Tennessee

W4TDB (W4TEB, op)	213,150	406	175	B
WD4OHD	122,808	301	136	B
KE4KMG	120,600	300	134	B
AA3VA	110,208	287	128	B
W4JH	90,915	319	95	B
W4NI	59,103	199	99	B
W4AUI	15,555	85	61	B
K4BP	15,066	93	54	B
K3CQ	8,364	68	41	B
K4BBN	894,963	1109	269	C
WB4LHO	641,700	775	276	C
K4USN	132,750	295	150	C
W4NZ	131,931	321	137	C
W4PA	59,643	140	141	C
KE4OAR	27,132	119	76	C
N4ZZ	305,505	1095	93	C 10
AJ4B	53,325	225	79	B 10
KF4ZEO	10,434	94	37	B 10
WA4JA/M	1,200	25	16	B 10

Virginia

N4JED	300,501	519	193	B
AF4UU	152,481	371	137	B
NC4S	126,888	311	136	B
KG4CGR	112,608	272	138	B
KE4MIL	111,249	263	141	B
KD9LA	110,160	272	135	B
NQ4S	107,199	277	129	B
W3GHU	92,256	248	124	B
K3MZ	89,304	244	122	B
WA4FXX	83,700	225	124	B
N6MW	78,228	164	159	B
N4DWK	52,812	163	108	B
AF4MO	36,960	140	88	B
K1SO	36,168	137	88	B
N8CH	22,914	114	67	B
KV4DJ	5,016	44	38	B
K4ZW	5,198,226	3842	451	C
WR3Z	2,317,392	2299	336	C
WD4DDU	716,292	788	303	C
W4YE	596,322	818	243	C
KU4FP	326,529	497	219	C
KG6AR	225,768	409	184	C
N4MM	72,252	223	108	C

KC1YC	43,026	142	101	C
WD4GOY	39,690	135	98	C
AC8Y	6,048	56	36	C 80
AB4D	17,649	111	53	B 20
KA6GWP	1,065	71	5	B 20
WF3J	194,400	648	100	C 15
W0YR	113,523	479	79	B 10
KO4MR	71,613	219	109	C 10
N3JT	50,580	281	60	B 10
W4ZYT	19,965	121	55	C 10
N8IK	780	20	13	B 10

West Central Florida

N4IG	1,041,228	1116	311	B
K8OSF	163,986	362	151	B
W9NWY	139,590	330	141	B
W4TIJ	110,550	275	134	B
K8FK	97,125	259	125	B
KA6R	43,884	159	92	B
KU3O	27,612	118	78	B
WN4DX	21,420	119	60	B
N4AO (WC4E, op)	1,106,700	1190	310	C
WB2LEZ	172,980	372	155	C
K4XS	234,600	850	92	C 40
K4FB	1,026	19	18	A 20
K9HUY	323,352	998	108	C 10
W4/M0BUE	109,725	385	95	C 10
WA2NDP	7,035	67	35	B 10

5

Arkansas

WA5KAK	126,945	273	155	B
WA5KQU	119,505	257	155	B
W5MK	83,880	233	120	B
WA5SOG	46,410	221	70	C
K5NLX	17,640	105	56	C

Louisiana

KM5YL	274,752	477	192	B
W5WZ	194,832	396	164	B
K1DW	88,506	298	99	B
K9DN	460,977	671	229	C
WA5TRX	31,110	122	85	C

Mississippi

KE5K	246,840	440	187	B
W5KK	200,364	283	236	B
KB5FET	178,698	377	158	B
N5KGY	48,735	171	95	B
W5KWB	48,300	161	100	B
N5PYQ	39,615	139	95	B
N5YW	13,944	83	56	B
N5PA	332,010	527	210	C

New Mexico

W5GZ	372,960	592	210	B
W5PDO	270,648	504	179	B
N6ZZ	1,149,258	1583	242	C
KD5JAA	55,986	217	86	C
W5JRP	20,625	125	55	C 20
K5AM	532,800	1600	111	C 10

North Texas

WA8ZBT	322,575	575	187	A
KY5N	343,380	590	194	B
W0VX	201,690	405	166	B
AB5C	113,577	289	131	B
N5BT	12,669	103	41	B
KM5LO	5,184	54	32	B
KZ5A	268,974	586	153	C
W5FO	234,357	409	191	C
K5RA	108,855	295	123	C
K5RX	721,020	1970	122	C 10
N5KB	37,800	168	75	C 10
KA5DWI	29,280	160	61	B 10

Oklahoma

KD5DLL	162,432	384	141	B
AB5GH	113,544	249	152	B
N5PMP	26,448	116	76	B
KD5DRY	24,120	120	67	B
K5YAA	374,886	706	177	C
NF7T/5	371,448	616	201	C
K9KK	288,288	528	182	C
N5OHL	96,228	243	132	C
N5ZVH	6,750	50	45	C
NE0P	20,679	113	61	B 15
K5PX	203,877	839	81	C 10

South Texas

N5AW	1,421,766	1398	339	B
KE5LQ	532,818	759	234	B
WA5IYX	330,660	660	167	B
KK5MI	291,060	490	198	B
N5RLQ	59,064	184	107	B
W5UFA	38,640	161	80	B
AD6G	30,012	122	82	B
AE5Q	22,248	103	72	B
KA5N	20,475	105	65	B
N5PV	3,441	37	31	B
K5TR	3,668,730	2990	409	C
K5XR (W5ASP, op)	429,243	719	199	C
N5DD	250,128	432	193	C
W5PR	833,112	2088	133	C 10
N5MT	180,180	546	110	C 10
WX5I	42,432	208	68	B 10
KQ5U	39,006	197	66	A 10
K5WW	26,460	140	63	B 10
WA4PSO	192	8	8	B 10

West Texas

KA5PVB	66,660	202	110	A
KF5YZ	131,370	302	145	B
WA2ZOU	42,048	192	73	B
KE5OG	2,691	39	23	B
W5ZO	103,788	372	93	B 20
NZ5M	8,979	73	41	B 15
N0UST	300	10	10	B 10

6

East Bay

KA6SGT	12,636	78	54	A
KE6QR	61,512	233	88	B
K6BIR	37,653	163	77	B
N6NG	16,632	99	56	B
K6LDX	3,480	40	29	B
AK6DV	2,697	31	29	B
K6JAT	39,330	190	69	C 15
KQ6TW	4,290	55	26	B 10

Los Angeles

N6AA	543,150	710	255	B
W3SE	422,295	599	235	B
KB6ATT	188,067	451	139	B
WB6NFO	121,158	318	127	B
K6MMC	40,572	138	98	B
N6OPR	30,810	130	79	B
KF6HZN	10,368	108	32	B
KR6ED	2,700	36	25	B
W6UE (W4EF, op)	2,126,817	2079	341	C
WO6M	131,880	314	140	C
W6KC	82,680	212	130	C
KF6YAN	55,902	242	77	C
N6UB	19,902	107	62	C
K6SE	5,832	54	36	C
KU6T	23,427	137	57	B 20
NK6A	24,528	146	56	B 15
N6ED	463,386	1298	119	C 10
W6RCL	17,802	138	43	A 10

Orange

N6WIN	569,298	794	239	B
K0NW	240,543	453	177	B
AA6PW	182,736	376	162	B
AD6WL	154,632	379	136	B
WB6NL	18,618	107	58	B
KE6GFI	7,821	79	33	B
W6SA	196,056	389	168	C
K6HRT	59,364	204	97	C
AC6WD	124,344	471	88	B 10

Santa Barbara

WA6FGV	261,648	474	184	B
KD6PQF	78,408	264	99	B
KG6ENA	17,424	88	66	B
WA5VGI	186,120	376	165	C

Santa Clara Valley

K8PO	1,786,536	1838	324	B
W6RXQ	294,840	546	180	B
N6EM	272,160	540	168	B
N6NF	215,760	496	145	B
N6BXO	21,948	118	62	B
KG6DEX	7,722	66	39	B
W6ZZZ	4,059	41	33	B
K6GT	143,871	403	119	C
NN6XX	50,640	211	80	C
AJ6V	44,100	147	100	C
K6HNZ	425,907	1279	111	C 15
K6III	25,872	154	56	A 10

San Diego

W6JVA	59,400	200	99	B
AE6AT	1,122	22	17	B
WA6PY	145,017	369	131	C

San Francisco

W6WR	111,750	298	125	B
K6OWL	16,236	123	44	B
W6ESJ	25,380	141	60	B 15

San Joaquin Valley

K6MI	3	1	1	A
K6CSL	43,983	181	81	B
KC6UTC	17,850	119	50	B
W6FRH	339,048	554	204	C
N6TNX	131,670	285	154	C
N6HK	91,500	250	122	C
K6YV	67,200	224	100	C
KI6PG	858	22	13	B 80
N6MU (@N6NB)	300,024	926	108	B 10

Sacramento Valley

KO6IS	201,465	363	185	B
W6RFF	196,524	412	159	B
WF6Q	139,230	357	130	B
KQ6RL	97,569	293	111	B
N6QPF	27,030	170	53	B
KE6OUA	7,308	58	42	B
WA6KUP	2,484	36	23	B
K6LRN	460,017	647	237	C
N6IG	368,697	679	181	C
K1LU	303,048	552	183	C
K6BEW	146,412	332	147	C
WA6ST	125,760	320	131	C
W6RKC	96,096	416	77	C 15
K6RN	69,402	269	86	C 15
N6WR	34,608	206	56	A 10

7

Arizona

NQ7X	57,570	190	101	A
N7IR	13,923	91	51	A
N3AIU	449,448	614	244	B
K7TR	237,105	479	165	B
W7YS	108,252	291	124	B
NF7E	61,347	143	143	B
KG9JP	46,746	159	98	B
N7PWZ	8,316	63	44	B
K6TIM/7	617,160	740	278	C
KC7V	502,929	887	189	C
KD7GGZ	255,168	443	192	C
K7ADM	3,750	50	25	C
K7KR	41,382	209	66	C 40
N7DD	488,436	1313	124	C 20
K7XZ (K1MY, op)	589,950	1710	115	C 10
W7ZR	327,132	932	117	B 10
W7UPF	156,180	548	95	B 10
W7KQZ	114,552	444	86	B 10
W7AYY	22,770	115	66	C 10
W7HX	540	15	12	B 10

Eastern Washington

K7MM	469,572	718	218	A
WS7V	404,790	655	206	B
N7ER	120,285	297	135	B
K7AWB	84,300	281	100	B
KC7WUE	69,828	253	92	B
K7OX	361,224	519	232	C
N0QFV	14,688	136	36	B 10
K7EFB	14,382	102	47	B 10

Idaho

KE7RT	291,915	499	195	B
AB7YB	202,275	435	155	B
KW7N	188,265	385	163	B
KG7H	293,328	504	194	C
K0IP	149,784	316	158	C
N7VJ	25,047	121	69	C
K2ANM	5,280	55	32	C
W7QDM	52,824	248	71	B 10

Montana

KE7NO	455,244	643	236	B
KK7VC	235,161	493	159	B
AC7GM	44,376	172	86	B
WQ7B	1,334,655	1561	285	C
NR7DX	362,850	590	205	C
KS7T	283,338	594	159	C
KC7UP	256,452	497	172	C
W7WK	158,256	314	168	C
N7CZ	95,748	404	79	B 10

Nevada

WA7CWM	199,794	469	142	C
W7EB	175,491	629	93	C 20
W7PW	22,440	136	55	B 10
KC7CIW	10,920	104	35	B 10

Oregon

N5KO/7	53,535	215	83	A
W7UFM	18,096	116	52	A
W7YAQ	539,214	806	223	B
KE7DD	176,967	371	159	B
W7YVK	97,128	284	114	B
KI7Y	46,665	183	85	B
N7VS	17,976	107	56	B
W7EJ	3,240,900	2770	390	C
W7GG	2,732,349	2537	359	C
K0JJ	385,317	603	213	C
KE7GI	363,975	575	211	C
WA7AR	322,050	950	113	C 15
KA7FEE	4,071	59	23	B 10

Utah

K1IF	237,474	474	167	B
WA7YAZ	226,098	477	158	B
KK7IG	101,814	239	142	C
NT7Y	8,127	63	43	C 40
W7UT	244,872	716	114	B 10
KE7NS	112,644	447	84	B 10

Western Washington

W7SAW	9,180	68	45	A
K7VI	232,068	466	166	B
KB7N	213,447	421	169	B
N7UK	208,980	405	172	B
W7GTO	129,921	341	127	B
K7SR	49,686	182	91	B
N7XY	35,640	120	99	B
KC7WDL	30,267	177	57	B
W7SNH	21,624	106	68	B
KK7UZ	17,325	105	55	B
K7RI	2,856,753	2809	339	C
N7GYD	614,331	1119	183	C
N7YX	217,455	665	109	C
KG7P	99,825	275	121	C
KE7SW	50,220	180	93	C
W7JAM	22,272	116	64	C
KB7ZJX	360	15	8	C
W7WA	904,860	2285	132	C 15
WG7X	32,574	178	61	C 15
K7QQ	551,304	1612	114	C 10

Wyoming

WG7Y	307,881	543	189	B
KD7RX	73,428	211	116	B
K0DJ	15,132	97	52	B
N7YV	34,884	171	68	B 10

8

Michigan

KC8LTL	41,040	152	90	A
N8CN	776,880	1079	240	B
N8WK	391,800	653	200	B
K8IA	363,780	564	215	B
N8KIE	270,393	467	193	B
K8KHZ	256,686	478	179	B
N8NX	154,350	350	147	B
K8CV	151,200	350	144	B
WB8NXG	150,378	353	142	B
WB0WAO	143,934	298	161	B
W8RXR	142,956	361	132	B
KE8FO	136,080	324	140	B
W8BAJ	87,108	238	122	B
K8GT	82,584	222	124	B
N8KZG	81,918	246	111	B
KO8S	39,600	150	88	B
WA8WPI	35,100	156	75	B
KB8SOJ	23,010	118	65	B
K6VWE	13,167	77	57	B
N8VEN	6,396	52	41	B
AA8PA	783,636	982	266	C
N8LIQ	240	10	8	C160
K8AO	25,575	155	55	C 40
W8JWN	12,408	88	47	C 40
W8TWA	89,178	334	89	C 20
K8IR	124,080	470	88	C 10
K8ESQ	46,512	228	68	B 10

Ohio

K8ZT	73,200	200	122	A
N8XA	62,832	187	112	A
K8SAR	15,561	91	57	A
KI8IZ	345,519	573	201	B
K8NVR	307,272	434	236	B
W8KNO	253,980	498	170	B
N8HUG	214,200	408	175	B
WD6ADM	209,880	424	165	B
AF8C	184,245	355	173	B
N4GXP/8	183,600	408	150	B
N8AA	174,741	371	157	B
KG8DH	160,992	344	156	B
N8BV	90,288	228	132	B
N8CXQ	75,960	211	120	B
W8IDM	48,024	174	92	B
W8DD	44,370	174	85	B
N8TUJ	37,179	153	81	B
WD8NVN	36,180	134	90	B
K8FH	31,464	138	76	B
KD8VK	30,636	138	74	B
KB8STP	22,200	100	74	B
KC8PEA	2,139	31	23	B
K8AL	1,493,799	1387	359	C
W8KEN	298,656	488	204	C
W8PG	275,868	474	194	C
N8JE	234,060	415	188	C
W8BIN	179,487	407	147	C
NA8W	58,311	209	93	C
W8IMF	27,666	159	58	C
K8DJC	34,506	162	71	C 40
AD8C	16,380	105	52	C 40
WA8SDF	12,690	94	45	B 20
N8BJQ	268,272	828	108	C 10
WG8Y	89,046	306	97	C 10
N8SSE	43,326	249	58	B 10
KB8UUZ	24,009	151	53	B 10

West Virginia

N8BL	85,344	254	112	A
WR0N	144,144	312	154	B
WA8WV	45,120	188	80	B
N4SEA	410,481	661	207	C
K2UOP	404,796	553	244	C
K3JT	307,692	1036	99	C 10

9

Illinois

W9HL	33,540	130	86	A
W9GG	606,741	769	263	B
W9FGH	554,112	832	222	B
K9JLS	514,650	730	235	B
N9AVY	338,688	576	196	B
N9RK	230,724	377	204	B
AA9HQ	215,460	420	171	B
W0HED	213,642	429	166	B
N9TF	184,800	352	175	B
KC9UM	174,735	353	165	B
K9IJ	167,445	305	183	B
KD9AC	136,629	323	141	B
NG9R	128,760	296	145	B
WA9CCQ	105,633	291	121	B
W9LYA	104,076	236	147	B
K9OZ	89,280	248	120	B
KA9CAR	79,230	278	95	B
W9TMW	70,902	202	117	B
N9KO	61,812	204	101	B
KB9YSI	61,074	174	117	B
K9OWC	59,472	168	118	B
W9JJT	56,496	214	88	B
KB9CYL	55,920	233	80	B
WD9FEN	37,908	162	78	B
W9SZ	34,506	142	81	B
W9YS	31,098	146	71	B
K9KM	24,072	118	68	B
W9CEO	20,664	123	56	B
WA9LAY	18,150	110	55	B
N9IHW	15,753	89	59	B
NA9DM	9,045	67	45	B
N9EYF	8,745	55	53	B
KB9WQJ	6,240	52	40	B
W3MDM	4,278	46	31	B
KD9XP	3,366	34	33	B
KB9VHA	147	7	7	B
WB9Z	3,921,681	3019	433	C
K9ZO (KB9UWU, op)	2,111,265	2005	351	C
KX9DX	292,230	510	191	C
KK9DX	204,120	405	168	C
W9SE	170,850	335	170	C
K9IDQ	169,260	364	155	C
K7EG	146,772	324	151	C
K9CJ	4,698	54	29	B 40
W9ILY	9,675	75	43	B 15
K9BGL	395,046	1291	102	C 10
W9OF	152,796	476	107	C 10
KG9N	113,022	483	78	C 10
KC9ARR	29,520	164	60	B 10
KR9L (KB9WFC, op)	29,058	167	58	B 10

Indiana

N4TZ	1,374,744	1336	343	B
K9IG	460,191	727	211	B
KC9FC	434,238	686	211	B
N9DR	367,425	575	213	B
N9KT	313,026	514	203	B
K9MV	251,991	459	183	B
WC9C	174,636	378	154	B
K9MI	167,352	367	152	B
K9WX	152,079	311	163	B
K9KLR	149,037	329	151	B
W9AU	137,151	311	147	B
WB9FQS	17,496	108	54	B
W9RE	5,163,342	3791	454	C
N9RV	3,509,730	3095	378	C
WA1MKE	426,564	578	246	C
K9TTT	195,552	336	194	C
WA9PYH	3,816	53	24	C
K9NW	722,502	1958	123	C 10
W9IND	243,972	753	108	C 10
W9CM	2,394	38	21	B 10
W9OZ	1,863	27	23	B 10
KA9CBJ	360	12	10	B 10

Wisconsin

N9XX	315,276	559	188	B
KB9KEG	236,016	447	176	B
N9PQU	186,504	409	152	B
N9CIQ	144,648	328	147	B
K9JIG	136,041	331	137	B
K9VS	53,865	171	105	B
AI9X	9,150	61	50	B
K9OSH	3,744	39	32	B
W9OP	961,056	1136	282	C
W9JA	722,568	748	322	C
W9BCV	383,712	571	224	C
W9XT	248,868	446	186	C
NF9V	32,802	154	71	C
W9GXR	28,350	150	63	C 40
K9CAN	129,996	471	92	B 10
W9YT (KB9ITE, op)	46,860	220	71	B 10
WB9MFC	36,180	201	60	B 10
K0SRB	12,285	91	45	B 10

Ø

Colorado

KK0Q	281,220	545	172	A
KI0II	93,600	240	130	A
WB0HZL	24,864	112	74	A
W0ETT	453,582	678	223	B
K0XE	141,873	361	131	B
NZ4DX	110,952	276	134	B
N0LP	84,000	250	112	B
AB0MV	83,160	231	120	B
W0CBH	71,997	233	103	B
N0IBT	38,208	199	64	B
WS0J	16,368	88	62	B
WA2PQE	1,500	25	20	B
N0KV	1,332,594	1466	303	C
W0LSD	846,888	994	284	C
K0GAS	307,296	582	176	C
W0ID	143,748	484	99	C 20

Iowa

WK0F	585,504	856	228	B
AA0AI	393,000	655	200	B
K0VM	260,478	499	174	B
KG0TS	22,464	104	72	B
K0GT	504,612	642	262	C
KB0ENE	116,340	277	140	C
W0PPF	108,117	293	123	C
AA0MQ	43,677	211	69	B 20
W0ETC	240,240	770	104	B 10
K0VSV	55,080	255	72	B 10

Kansas

N0YYO	536,382	774	231	B
KB0MZG	168,912	368	153	B
WB0YJT	120,474	291	138	B
KC0GL	88,032	262	112	B
N0QE	79,002	231	114	B
KA0EIC	70,092	198	118	B
AA0GL	49,914	177	94	B
W0WPL	46,800	150	104	B
KC0IDI	33,768	134	84	B
KC0IUW	14,442	83	58	B
W0IE	11,223	87	43	B 20
KK0SS	370,182	1198	103	C 10
N0UU	144,144	528	91	C 10
KG0UA	86,856	376	77	C 10
WB0SRX	27,189	171	53	B 10
WA5SWN	26,040	155	56	B 10

Minnesota

N0UR	254,364	517	164	A
AC0W	1,592,604	1599	332	B
N0FP	593,685	835	237	B
K0XH	526,128	776	226	B
K0RC	409,734	663	206	B
WB0TRA	392,262	611	214	B
WB0GGM	257,943	497	173	B
WB0TNH	229,311	447	171	B
W0RK	215,250	410	175	B
K0SQ	160,317	379	141	B
K0BUD	115,311	323	119	B
WG0M	113,664	256	148	B
KA0ZPP	107,520	280	128	B
WA2HFI	100,776	247	136	B
WA2MNO	94,848	247	128	B
N0PI	81,984	244	112	B
N0MGQ	32,412	146	74	B
NF0J	21,060	117	60	B
W0HW	9,588	94	34	B
WA0MHJ	668,565	895	249	C
N0MY	563,004	802	234	C
W0ZQ	427,818	631	226	C
W0NAR	236,181	421	187	C
W0ML	222,750	450	165	C
W0OR	100,620	258	130	C
K4IU	76,275	225	113	C
AB0J	64,554	203	106	C
K0COM	61,953	193	107	C
K0IHG	21,771	123	59	B 20
KN0V	51,333	241	71	B 10

Missouri

KA0GGI	704,781	791	297	B
K2HT	127,842	286	149	B
N5DZX	25,560	120	71	B
W0YZZ	11,070	82	45	B
KN0E	1,188	22	18	B
KI9A	1,030,686	1214	283	C
K0OU	895,701	1019	293	C
K0JPL	372,606	562	221	C
KC0CZI	184,338	399	154	C
K0DAT	139,995	305	153	C
K4VX (N9JF, op)	570,630	1654	115	C 10
KC0LUX	19,662	113	58	B 10
KB5ENP	7,236	67	36	B 10

North Dakota

K0UD	202,608	402	168	B
WI9H	162,900	362	150	B
W0WT	58,212	198	98	B

Nebraska

AB0FX	13,338	78	57	A
K0IL	326,592	567	192	B
N0LGU	180,936	359	168	B
KE0BZ	162,498	371	146	B
NU0C	155,901	331	157	B
N0WY	70,092	198	118	B
KC0HMM	21,681	99	73	B
K0FPM	17,748	87	68	B
N0LZ	16,080	80	67	B
W0MSR	10,920	70	52	B
K0DG	545,055	895	203	C
W0SBZ	27,648	128	72	C
KY0K	105,315	413	85	B 10
K0SZ	65,142	282	77	B 10

South Dakota

WB0ULX	102,816	238	144	B
KC0IOX	14,952	89	56	B
WD0BMS	144,855	333	145	C
WD0BMR	95,337	297	107	C
N0VEK	19,470	110	59	C

Canada

Maritime

VY2SS (K6LA, op)	4,044,504	3448	391	C
VE9XA	846,450	855	330	C

New Brunswick

VE9DXR	19,836	114	58	B 15

Newfoundland-Labrador

VO1GO	108,528	266	136	B
VO1WET	1,506,000	2008	250	C
VO1BC	14,577	113	43	A 15
VO1MP	616,308	1771	116	C 10

Quebec

VE2AWR	575,280	816	235	B
VE2LHP	139,128	341	136	B
VE2BWQ	95,760	240	133	B
VE2OWL	20,646	93	74	B
VE2AYU	1,032,360	1229	280	C
VE2DC	60,720	230	88	C

Ontario

VA3JFF	72,237	199	121	A
VE3WZ	8,400	70	40	A
VA3UZ	1,802,808	1752	343	B
VE3WIB	825,195	1015	271	B
VA3SWG	534,492	882	202	B
VE3KP	488,277	681	239	B
VE3EN	368,508	574	214	B
VE3AGC	340,587	533	213	B
VA3TTT	306,030	505	202	B
VE3SHL	303,606	501	202	B
VA3JNO	160,968	353	152	B
VE3DWH	134,640	330	136	B
VE3NQM	101,394	262	129	B
VA3PC	70,620	220	107	B
VE3MTG	43,710	155	94	B

VE3XL 19,200 100 64 B
VE3IGJ 330 11 10 B
VE3EJ 5,180,736 3568 484 C
VE3AT 3,177,615 2855 371 C
VA3WN 8,733 71 41 B 20
VY2MGY/3 105,219 433 81 B 15
VA3FP 62,100 276 75 B 15
VE3RCN 33,150 170 65 B 15

Manitoba

VE4YU 450,042 701 214 B
VE4MG 150,375 401 125 C

Saskatchewan

VE5SF 801,840 1040 257 B
VE5FX 635,436 929 228 C
VE5AAD 6,216 56 37 B 15

Alberta

VE6BF 160,890 346 155 A
VE6ZT 410,625 625 219 B
VA6DXR (VE6JY, op)
2,592 36 24 C 80
VA6MA (VE6MAA, op @ VE6JY)
62,622 294 71 C 40
VE6EX (@VE6JY)
218,442 743 98 C 20
VE6WQ (@VE6JY)
1,041,216 2552 136 C 15
VE6JY (TI2WGO @ VE6JY)
315,684 948 111 C 10
VE6FN 50,922 246 69 C 10

British Columbia

VE7FO 420,885 705 199 B
VE7UQ 184,371 407 151 B
VE7FCO 85,248 256 111 B
VE7OSO 18,468 108 57 B
VE7XO 190,854 461 138 C
VE7IG 39,168 204 64 C 40
VE7ZBK 122,604 601 68 B 15
VE7NI 60,420 265 76 B 15
VA7XX 510,048 1518 112 C 10
VE7VF 150,696 552 91 B 10
VE7NS 32,340 245 44 B 10

Northwest Territories

VY1MB 41,370 197 70 B

Single Operator Assisted

1

K2TE 1,824,612 1532 397 C
AA1V 1,717,380 1363 420 C
N1DG 1,548,027 1313 393 C
K1AE 1,537,272 1294 396 C
KK1DX 1,274,592 1136 374 C
K1GU 1,138,272 1136 334 C
N6RFM 1,026,498 1133 302 C
KK1H 901,968 989 304 B
W1RY 853,695 915 311 C
KE1IH 834,210 930 299 C
K1JN 805,662 939 286 C
K1JE 762,912 883 288 C
K1EO 733,320 840 291 C
K1LD 732,954 809 302 B
WO1N 730,269 731 333 B
W1NG 669,438 693 322 C
NQ1K 437,400 450 324 C
W1UK 383,250 511 250 C
N1NB 373,464 532 234 B
KB1GW 348,957 609 191 B
W1QK 329,511 497 221 C
W1BIH 320,370 362 295 C
K1RV 257,715 415 207 B
AA1QD 250,848 416 201 C
N1API 244,215 405 201 C
K1HI 242,190 351 230 C
K1TW 239,424 464 172 B
WC1M 181,419 371 163 C
K1JB 122,400 425 96 B
AB1R 117,192 257 152 C
K1OA 114,816 299 128 B
W1ZZ 111,708 214 174 C
K1KU 99,060 254 130 C
W1ZT 94,608 219 144 C
N4XR 69,000 184 125 B
W1TO 37,944 136 93 B
NF1A 32,625 125 87 C

2

W2RE 4,846,485 3199 505 C
K2DM 3,387,912 2504 451 C
W1GD 3,038,706 2266 447 C
W2GD 2,997,558 2073 482 C
W2GDJ 2,833,056 2186 432 C
N2MM 2,802,462 2318 403 C
KE2TR 2,307,987 1881 409 C
NY6DX 1,894,356 1563 404 C
W2RD 1,835,892 1602 382 C
N2ED 1,708,974 1578 361 C
WE2F 1,606,995 1599 335 C
N1RK 1,572,120 1320 397 C
W2TV 1,259,796 1108 379 C
K2ONP 1,235,970 1329 310 C
NA2U 1,227,828 1244 329 B
N1EU 1,172,736 1018 384 C
WB3FSR 1,096,146 1149 318 B
N2CY 950,130 1035 306 C
KA2D 891,333 1021 291 C
K2EP 770,043 907 283 C
K2OWE 587,508 692 283 C
N2VW 562,683 649 289 C
K2SB 434,073 563 257 C
NA2M 412,416 537 256 C
W2KA 390,507 589 221 B
N2SS 351,486 566 207 C
K2SX 336,330 505 222 C
KD2HE 307,200 512 200 C
K2DBK 266,742 438 203 B
WK2H 256,131 447 191 C
K2PF 244,620 453 180 B
W2FCA 198,900 340 195 C
AB2E 175,392 336 174 C
WW2Y 95,922 219 146 C
NU2W 89,784 232 129 C
WF2B 48,216 164 98 C
KQ2O 26,865 199 45 C

3

K3WW 5,128,524 3313 516 C
AA3B 2,489,619 2039 407 C
K2QM 2,310,003 2021 381 C
KQ3F 2,119,980 1780 397 C
K3PP 2,098,326 1831 382 C
W3FV 2,092,800 1744 400 C
W3MF 2,061,216 1684 408 C
N3AM 2,042,694 1698 401 C
N3ED 1,979,208 1683 392 C
K2PLF 1,902,054 1771 358 C
N3DL 1,743,378 1339 434 C
N3ZA 1,482,948 1194 414 C
WT3W 1,132,704 1104 342 C
NN3Q 1,091,580 1130 322 C
K3NZ 1,020,075 1015 335 C
WB3CIW 988,545 1117 295 C
W4ZE 980,811 1079 303 C
W3GH 974,985 1045 311 C
W3GM (K3ND, op)
868,575 925 313 C
W8FJ 731,856 772 316 C
AJ3M 687,489 913 251 C
W3AP 657,663 853 257 C
K3CP 605,337 713 283 C
W3HVQ 493,350 598 275 C
W2UP 414,027 537 257 C
KB3MM 399,834 582 229 B
W3FVT 365,856 592 206 C
KU3X 307,230 539 190 C
K3JG 295,698 442 223 C
W3KV 203,343 421 161 C
K3ZV 169,554 367 154 B
N3SD 114,912 252 152 B
AA3DF 56,406 158 119 B
K3SKE 42,723 141 101 C
NZ3O 32,385 127 85 C
W3BG 26,775 105 85 A

4

K5KG 2,608,392 2008 433 C
N4VV 619,611 857 241 C
AA4V 602,127 769 261 C
K4YT 578,760 728 265 C
W3YY 475,092 636 249 C
K3KO 432,180 588 245 C
AK4XX 285,822 474 201 C
N4TL 244,035 435 187 C
K8YC 223,494 386 193 C
N4XC 123,939 293 141 C
WI1S 63,075 145 145 B
N4XMX 21,384 99 72 C

5

N5TY 1,078,101 1163 309 C
N5JR 994,125 1205 275 C
NX5M 641,256 694 308 C
W5FL 380,874 514 247 C
K5HDU 89,199 187 159 C

6

W6TK 905,616 993 304 C
N6WS 838,527 893 313 B
N6CCL 643,203 803 267 C
K6XX 616,923 939 219 C
KI6T 509,355 693 245 C
W6TE 435,954 643 226 C
N6OU 428,733 603 237 C
KJ6RA 393,354 533 246 C
WN6K 343,866 514 223 B
K6RIM 276,297 413 223 C
K6SG 230,454 434 177 C
K6ACZ 132,756 299 148 B
K6KYJ 119,646 289 138 B
WB6IYM 30,528 192 53 C 10

7

N7TT 1,214,424 1336 303 C
KC7DB 332,640 495 224 B
W7BX 323,490 526 205 B
W7YES 86,304 248 116 C
W7HS 10,716 76 47 B

8

N8TR 2,804,490 1989 470 C
N8KM 1,542,240 1440 357 C
K8LN 1,298,160 1202 360 C
KV3R 1,291,998 1234 349 C
ND5S 1,270,269 1001 423 C
W8CAR 993,417 1231 269 C
K5IID 862,248 971 296 B
K8LY 349,164 549 212 B
N8SHZ 309,537 489 211 C
KW8W 48,336 152 106 C
ND8L 33,528 127 88 B

9

KB9BUM 840,000 1000 280 C
N2BJ 688,416 808 284 C
N9LCR 432,837 697 207 C
NV8V 414,903 551 251 B
W9LYN 275,400 450 204 B
N9LF 255,918 442 193 B
WD9GMK 255,099 403 211 B
W9GIG 137,808 232 198 C
K9GY 130,530 458 95 B
KF9YR 107,160 235 152 C
KJ9C 102,675 185 185 C
NA9D 82,176 214 128 C
W9VQ 77,469 217 119 B
K9OR 75,438 198 127 B
WT9U 60,681 179 113 C
K9RU 22,968 116 66 C
W9VA 21,708 108 67 C
WO9S 21,357 113 63 C
N9IO 16,800 100 56 C
KM9M 3,552 37 32 B
N9BOR 48 4 4 B

Ø

N0AV 1,560,405 1351 385 C
N0AT 1,185,768 1149 344 C
K0IR 1,106,700 1085 340 C
K0KX 1,089,909 1091 333 C
N0XB 845,736 1048 269 C
K0UK 620,940 655 316 B
AB0RX 428,736 616 232 C
K0PC 394,200 584 225 B
N0HJZ 261,900 485 180 B
K0AD 222,678 417 178 C
WM0F 214,830 385 186 B
W0TT 179,982 297 202 C
K0XD 174,660 355 164 B
AA0A 119,796 298 134 C
AK0M 102,150 227 150 B
NT0V 95,934 271 118 C
N0PO 70,092 177 132 B
KC0KSA 64,872 212 102 B
KE0FT 50,100 167 100 C
W0GOM 22,557 103 73 C

VE

VE1OP 1,422,900 1395 340 C
VE9FX 600,750 750 267 C
VE6TN 200,208 388 172 B
VA3NR 198,432 318 208 B
VE5CPU 25,515 135 63 C
VE6YP 97,632 226 144 C

Multioperator Single Transmitter

1

AA1ON (+W1RH, AA1IZ, KC1YR
3,329,214 2557 434 C
N1MM (+N1IXF)
3,200,337 2419 441 C
KØTV (+KB1PZ, NF1A, W1MJ, WO1N, W1IA, W1TQ)
2,596,530 2111 410 C
W1BK (+W1NR)
504,108 627 268 C
W1YK (AD5EY, KB3AWM, N1PFC, N2YHK, ops)
185,706 342 181 C
W1FM (+N1SOH)
138,168 303 152 C
WJØTA/1 (KB1HQP, KB1GWT, KB1GWW, KB1FYQ, KB1HOA, KB1HNZ, K1MV, ops)
101,928 248 137
KB1GHC (+KB1GJR)
396 12 11 B

2

K2XR (+K2OWR ,WB2WIK)
3,706,680 2686 460 C
K2KQ (+W2WB)
3,293,202 2434 451 C
WB2KHO (+KB2NOW)
535,500 700 255 B
WB2ELW (KB2KOL, K2CF, KA2MGE, KC2DGC, K2OO, KC2GJX, ops)
293,760 480 204 C

3

NE3F (+KS3F, K3ATO, NT3V, NZ3G, KB3GWY)
3,509,505 2505 467 C
W3GNQ (+N3OC, WI2T, W3ZZ)
3,261,825 2289 475 C
W3LJ (+K3NCO, W3IDT, KA3UBJ)
849,723 941 301 C
N3BNA (+WB3CTD, NB3I)
790,398 861 306 C
K3BSA (K3JLK, WB3BSA, ops)
308,700 525 196 C
W3LRC 3,672 36 34 B

4

W4MR (AA4NC, N4YDU, K4HA, ops)
4,458,690 3210 463 C
K1PT (+AE4SW, AE4RO)
3,059,109 2251 453 C
W2YE (+LZ3SM)
867,000 1000 289 C
NY4T (+N4LKE, KG4MHK, KG4RDF, W1ADE, KR4FO)
807,594 958 281 B
KV4CN (+KG4PZQ, KG4CCX)
96,078 239 134 B
W4AU (+KG4RDI)
22,338 102 73 B

5

K5NZ (+W5BA, K5GA)
4,073,994 2841 478 C
K5NA (+K5DU, KI5DR, N5ZC, K2UR, NT5C) 3,386,358 2514 449 C
N1LN (+K7LEX, W5MF, W5WJS)
2,305,200 1921 400 C
W6TER (+KE5BL)
661,254 946 233 C

6

KA6BIM (+NT6K)
1,689,372 1686 334 C
W6EEN (+K6XC, W6AQ, W6ORD)
1,363,026 1411 322 C
N6KI (+NN6X, KG6GIQ)
471,495 731 215 C
K6ZM (K6WG, K2KW ops)
297,654 746 133 C
K6TV (+WB6JDH)
109,989 303 121 A
W6YRA (WA6AYI, IK3ZAW, KE6TZX, KU6T, ops)27,219 211 43 C
W6TDM (N7FF, KA6AUR, ops)
23,664 136 58 C

7

WX7P (+N7VF)
499,686 737 226 C
W7TU (W8EQA, W7RRR, ops)
101,748 278 122 B

8

K8AZ (+K8BL, K8NZ, ND8L, W8KIC, WB8K, WT8C)
4,803,405 3109 515 C
K8CC (+K8GL, KE8OC)
4,245,648 2992 473 C
W8NP (KF8UN,KC8IHR,ops)
244,209 401 203 B
W8DZ (W3TFI, KI8GG, W8XS, WA5PAE, W8STX, WB9BVV, KB8TCN, K4ZLE, N8SIM, KC8OLI)
230,955 445 173 C
WX3M (+KB8LTF, N8KLX, N8OS)
80,040 230 116 B
KC8ELY (N8NJE, N8ESW, N8MMF, N8MPO, ops)
20,865 107 65 B

9

KD9ST (+KA9SQR, KA9SQS, KB9EXE)
2,429,973 2093 387 C
WN9O (+W9IU)
1,886,844 1621 388 C
N9DT (+KB9ZEN, KB9ZFG, KB9ZEK)
57,942 174 111 B

Ø

W0GU (N2IC, KØKR, NA5S, ops)
4,557,558 3317 458 C
KØDU (+KØCL, KCØDKX, KØUK, NØZA)
3,759,465 3205 391 C
KRØB (+NØBKL, NØRA, KSØT, KJØB, KØKP, KBØKQA)
3,099,978 2478 417 C
WØZT (+KØSR, KØXN)
2,723,220 2214 410 C
KDØS (+WDØT, WVØH)
2,069,442 2017 342 C
KØFJ (+KØBJ, KCØJAO)
1,301,697 1303 333 C
WØWJ (W9VHL, WB9PNU, WØWC, ops) 708,288 952 248 B
WBØNNI (+WBØRWH)
405,369 617 219 C
KØJE (+KØJA)
336,384 512 219 C

VE

VA3RU 3,211,656 2731 392 C
VE3HG (+VE3RZ, VA3GGF, VA3EC)
2,068,374 1694 407 C
VE6AO (VE6TC, VE6KC, VE6RCI, VE6WTD, VA6WWW, VE6WSI, ops)
806,868 1116 241 C
VE6PYJ (+VE6PY)
11,088 77 48 B

Multioperator Two Transmitters

K1AR (+K1EA, K1DG, K5ZD, W1MD)
10,978,902 6039 606 C
K4JA (+W3BP, K4MA, K9JY, KE9I, KG9X) 10,436,928 5722 608 C
KI1G (+K1NG, WF1B, KS1J, K1SD, K1JN, KB1LN, ops)
9,132,552 5322 572 C
KR1G (+WA1S, WC1M, W1AAX, NR1DX) 7,705,359 4911 523 C
N4TO (+K1TO, N4DL, T93M, T93Y)
7,296,330 4546 535 C
K1IR (+AA1AA, K1EP, KM2P, W1VE)
6,794,550 4314 525 C
W5KFT (+W6PH, K5TSQ, K5PI, W5TA, W5JEN, W5TD, ops)
5,689,749 3943 481 C
KB1H (AA1CE, N1XS, NB1U, W3TB, KB1DFB, K1EBY, ops)
5,651,208 3672 513 C
VE6SV (+VE5FN, VA6EA, VE6AKY, VE6EZ, VE6NAP, VE6RFM)
5,390,784 4011 448 C
K2RD (+W1CU, WA1FCN, K2WR)
5,212,464 3503 496 C
NK7U (+K7ZO, W7ZRC, WA7LT, K7MK, KK7A)
4,896,822 3761 434 C
N5TW (+WM5R, NA4M, KM5TY, N5DUW, WS4G, W5TD)
4,286,835 3255 439 C
VE1JF (+VE1AI,VE1AMJ,VE1DHD, VE1HC,VE1MOO)
4,196,880 3216 435 C
AA5NT (+N3BUO, KK7JS, WD5FLK, N1CC, N5NJ, KC5LOS, KC5SDY, W5GDC)
4,109,268 3092 443 C
KK1L (+K1KD, W1DEC, K1WEY, AA1SU, K1HD, N1ZUK, W1SJ, KC1WH)
3,138,096 2444 428 C
W4CAT (NY4N, KD4F, KF4GNV, K1KY, W9WI, WM4Q, KB5YJC, NQ4U, W1KLM, K4RO, ops)
2,723,220 2214 410 C
K6IDX (+KØBEE, W1SRD, K1ZKM, W6OAT)
1,745,916 1682 346 C
W2OW (AA2EQ, AA2MU, K2FU, N2BC, K2CM, WE2K, KB2AVB, N3VKM, K1OW, KB2SCF)
1,734,384 1571 368 C
VE7SCC (VE7HHS, VA7DX, ops)
1,517,304 1528 331 C
KX1X (+KB1FVL, KB1FSU, KB1FWN, KB1GHC)955,092 1121 284 B
KM5VI (+N5LYG, VE3VIP)
652,620 745 292 C
W9YB (N9WEW, KC8BUD, KC9BBW, KC9BBV, KC8RWY, KE5ZY, KB9VOR, KB9YHT)
545,310 730 249 B
W1SRG (AG1C, KB1HJW, ops)
544,830 715 254 C
KØSV (+KCØIRY)
344,694 566 203 B

Multioperator Unlimited Transmitters

W3LPL (K1HTV, K1RA, K1RZ, W2GG, AI3M, K3MM,ops)
17,860,626 8666 687 C
KC1XX (K1GQ, W1FV, AD1C, K6AW, W2RQ, K1XX, HC1OT, W1MD, K1GQ, W1FV, AD1C)
16,928,352 8397 672 C
K9NS (AA9D, K9DX, K9HMB, K9NO, K9PPY, K9PW, K9QVB, K9RO, K9RS, KO9A, KS9W)
15,504,795 8139 635 C
W2FU (+K2UA, N2MG, K2DB, K2AXX, K2TER, K1PY)
11,211,258 6302 593 C
W1FJ (+NB1B, W1KM, N1TB, N1NK, W1NA) 9,843,207 5533 593 C
N2RM (+N2NC, WM2H, ops)
8,866,956 5222 566 C
W3PP (+N6ZO, K3FT, N3KW, W2GJ, KB3FEE, W3PAR, N3PT, KW3Z)
8,380,587 5107 547 C
K1TTT (+W1TO, K1MK, NJ1F, W2GB, W2AU, VA3PL, N1SR)
7,748,055 4555 567 C
K3NM (+LU9AY, K3ZV, K3IPK)
7,427,160 4680 529 C
K3ANS (+K3YD, N3MX, KC3WX, W3ZL, KB3CBO, N3PUR)
7,424,235 4459 555 C
WØAIH (+WRØDK, KTØR, KØOB, KØTG, KBØQEP, AE9D,N9TGR, K9UQN, K9TP, NØHJZ)
7,029,984 4472 524 C
N6RO (+K3EST, K6KO, K6TA, K6RC, KI7WX, N6BV, N6SNO, W6SR)
6,997,716 4741 492 C
K1RX (+KF1V, N1SNB, K1EPJ)
6,638,280 4136 535 C
W8ZA (+K3DNE, K8OQL, N8II, WD3A)
5,062,176 3402 496 C
W2CG (+W2EN, W2NO, K2WJ)
3,427,104 2462 464 C
N5YA (+WXØB, K5MR, N5KR, KR5F, K5WO) 3,306,624 2528 436 C
W2XL (+K2ETA, KY2J, KD2NE, NE2I, N2SA, N2MCI, WB2AQU)
2,778,657 2149 431 C
K3OO (+K3OOO)
2,427,831 1869 433 C
W2YC (+AA2WN)
2,204,085 1651 445 C
VE6FI (+VE6AQ)
1,707,657 1631 349 C
K3DI (+W3OQ, W3ICM)
1,648,530 1409 390 C
K3CT (+K3II)
1,643,220 1611 340 C
K2WB (+W2RDS, KD2P, W2MC)
1,623,687 1343 403 C
W8FT (AD8P, KC8NIU, AA8KJ, N8RTP, N8RMF, KC8OAL, N9FIJ, ops)
1,173,000 1150 340 C
K4WPM (+WA4ZJJ, K4WZ, AD4QB, AK5E) 634,746 889 238 B
KB5TX (KC5OEG, W5XW, KK5RZ, KE5GL, WØZXO, KM5SY, N5DXV, KC5HRN, KD5FDJ)
332,628 523 212 B
W3JJH (+KB3GHE, W3ARS, WX3B, AK3Z, K3LP, N3YIM, KB3HAM, KB3HAN, KB3HNO)
249,660 438 190 C
W4MOT (KG4MLC, N4CU, AF4NR, KD4GR, KG4QIP, KG4MLD, KF4IDG, KE4NNF, KG4CHW)
205,392 389 176 B
WA6BMH (KJ6BS, KW6PE, KA6WZR, KD6AQB, KE6BBP,ops)
5,565 53 35 C

DX

Single Operator

Africa

Madeira Islands

CT9KB (CT3KB,op)
18,093 163 37 B

Canary Islands

EA8/DJ1OJ 36,450 162 75 B
EA8SP 705,795 1055 223 C

Ethiopia

ET3PMW 294,462 738 133 B

Namibia

V51/SP6IXF
269,064 808 111 B

Chagos Islands

VQ9MR (W3MR, op)
1,240,920 2298 180 C

South Africa

ZS1NF 10,404 68 51 B
ZS6RAE 5,049 51 33 B
ZS5NK 16,884 134 42 C 10

Asia

Vietnam

3W2LWS (WA1LWS, op)
25,986 142 61 B

Kuwait

9K2HN 132,615 421 105 C
9K2RR 33,456 272 41 C 10

Nepal

9N7RB 55,470 215 86 B

Singapore

9V1YC 118,125 375 105 C
9V1UV 47,088 218 72 C

Taiwan

BW3/UA3VCS
5,985 57 35 B

China

BD5RI 149,820 908 55 C 10

Kyrgyzstan

EX2T 344,706 787 146 C
EX8O 21,300 142 50 C
EX2X 67,230 415 54 C 20

Tajikistan

EY8MM 125,766 411 102 C

Turkmenistan

EZ8CW 585 15 13 B

South Korea

HL5UOG 44,583 193 77 B
HL1/WX8C 26,532 134 66 B
HL3AMO 25,740 132 65 B

Japan

JA2AXB 161,172 444 121 A
JR4DAH 156,600 435 120 A
JE7DOT 36,636 172 71 A
JQ1BNL 20,988 132 53 A
JH4UYB 1,148,490 1823 210 B
JM1LPN 1,019,466 1798 189 B
JA5APU 289,536 754 128 B
JA3AOP 240,120 552 145 B
JF2QNM 157,320 437 120 B
JF2BDK 153,873 417 123 B
JA3MVI 109,890 330 111 B
JH1UUT 89,490 314 95 B
JA1XUY 85,284 276 103 B
JA3YPL (JJ3TBB, op)
79,806 283 94 B
JA1ALX/9 76,734 261 98 B
JA1XRH 74,841 247 101 B
JA1GYO 57,552 218 88 B
JH0NEC 56,232 284 66 B
JA1ZGP (JF3EBO, op)
46,002 187 82 B
JA2GHP 44,268 217 68 B
JR1MRG 36,432 184 66 B
JE1TSD 31,080 140 74 B
JA2BQX 27,000 150 60 B
JK2VOC 26,730 135 66 B
JA1IZ 25,344 132 64 B
JA1HFY 25,146 127 66 B
JA2KPW 22,878 123 62 B
JA1KK 20,295 123 55 B

JQ1AHZ/2	18,300	122	50	B
JA1XPU	16,524	108	51	B
JF2SKV	13,728	88	52	B
JA3QOS	12,642	86	49	B
JA2TKO	11,610	90	43	B
JA4BAA	9,600	80	40	B
JHØIXE	8,946	71	42	B
JA1CP	7,881	71	37	B
JA2PFO	7,134	58	41	B
JJ3OOZ	6,210	69	30	B
JG3NKP/1	6,150	50	41	B
JE3UHV	3,600	48	25	B
JH1OLB	3,465	55	21	B
JH1TUX	2,016	32	21	B
JI2VLM	2,016	28	24	B
JF2IGP	1,764	28	21	B
JH5OXF	330	11	10	B
JA1ELY	2,194,800	2950	248	C
JA8RWU	2,078,253	2923	237	C
JA6GCE	1,422,288	2324	204	C
JA3USA	1,383,885	2295	201	C
JH2AMH	815,418	1527	178	C
JA2FSM	604,296	1199	168	C
JH4UTP	95,904	592	54	C
JW7VK (LA7VK,op)				
	15,984	111	48	C
JF2FIU	13,818	98	47	C
7J1ABD	1,875	25	25	C
JA3WFQ	1,134	21	18	C
JE5JHZ	297	11	9	C
JE1SPY	18	3	2	B 80
JS2LGN (JA7KAC,op)				
	54,774	358	51	C 40
JJ2PUG	6,417	69	31	C 20
JE1GZB	4,368	52	28	B 20
JA7KM	912	19	16	B 20
JN3MUC	9	3	1	C 20
JR8VSE	177,531	1003	59	C 15
JAØBMS/1	163,908	942	58	B 15
JR1MQT	150,804	852	59	C 15
JL3VUL	108,756	636	57	B 15
JA9VOK	55,080	360	51	B 15
JA4JJI	6,237	77	27	B 15
JI8BUR	5,916	68	29	B 15
JK6ISK	5,400	72	25	B 15
JA9SCB	4,875	65	25	A 15
JQ1COB	4,779	59	27	B 15
JK1BII	2,961	47	21	B 15
JA8TEZ	1,980	33	20	C 15
JF2FKJ	1,800	40	15	B 15
JA3PYH	1,800	30	20	B 15
JJØAEB	924	22	14	B 15
JK8HOS	546	14	13	B 15
JAØGZ	312	13	8	B 15
JR4ZUZ (JG5CBR, op)				
	168	8	7	B 15
JK8FRL	147	7	7	B 15
JH3OXM	126	7	6	B 15
7J2YAF (JA1KSO, op)				
	304,722	1782	57	C 10
JA9PPC	257,013	1503	57	C 10
JH7XMO	249,924	1412	59	B 10
JA2FJP	184,788	1062	58	C 10
JJ1RDX	159,543	933	57	C 10
JG2TKH	124,932	718	58	B 10
JE2HCJ	86,856	517	56	B 10
JQ1NGT	82,500	550	50	C 10
JE8KKX	78,375	475	55	B 10
JR4GPA	70,380	460	51	B 10
JH2AVO	54,537	371	49	C 10
JHØNVX/1	42,228	306	46	B 10
JI1HFJ	41,904	291	48	B 10
JR9NVB	41,676	302	46	A 10
JE1CKA	30,096	209	48	B 10
JA6EFT	28,080	195	48	B 10
7N2UQC	22,704	176	43	B 10
JR3CVO	20,160	160	42	B 10
JA1BBA	15,360	128	40	B 10
JA8IJI	14,400	120	40	B 10
JA2KKA	11,118	109	34	B 10
JF3IYW/3	10,800	100	36	B 10
JE4QGF	8,856	82	36	B 10
JH1RMH	8,544	89	32	B 10
JA9QOY	7,770	74	35	A 10
JK7QYZ	5,292	63	28	B 10
JR4PMX/1	4,758	61	26	B 10
JA3ZML (JHØXUP, op)				
	3,240	45	24	C 10
JD1BIA	2,664	37	24	B 10
JJ6WYS	1,215	27	15	B 10
7J1AIL	1,104	23	16	A 10
7K2PBB	858	26	11	B 10
JA1AAT	468	13	12	B 10
JG1GCO	27	3	3	B 10
JJ6VXY	6	2	1	A 10

Lebanon

OD5/OK1MU				
	45,384	244	62	C

Turkey

TA2EY	2,592	36	24	B
TA3DD	42,090	305	46	C 10
TA2RC	28,890	214	45	B 10

Asiatic Russia

RX9SR	93,174	293	106	A
UAØSE	10,764	78	46	A
RG9O (RZ9OU, op)				
	256,770	634	135	B
RZ9UC	235,098	706	111	B
RWØBG	209,469	533	131	B
RZØCQ	74,205	255	97	B
UA9ORQ	62,478	234	89	B
UAØIV	36,192	208	58	B
UA9HN	22,035	113	65	B
RAØAY	17,013	107	53	B
RN9XA	12,960	90	48	B
RK9CZO (RX9CAZ, op)				
	530,328	1163	152	C
UA9OW	172,368	456	126	C
RV9BB	108,360	344	105	C
UAØACG	94,470	335	94	C
RM9A (UA9ACJ, op)				
	57,885	227	85	C
UA9CKS	32,028	157	68	C
UA9LGL	24,522	134	61	C
RZ9ZR	21,594	118	61	C
RZ9HG	1,188	22	18	C 40
RZØSR	900	20	15	C 40
UA9UHD	92,220	530	58	B 20
UA9CI	74,844	462	54	C 20
RA9FLW	53,244	348	51	B 20
RA9XE	9,450	90	35	B 20
UA9ZZ	123,900	700	59	C 15
UAØFDX	122,976	732	56	B 15
RX9WR	98,496	576	57	C 15
RK9JWV	51,102	334	51	B 15
UA9HR	48,336	304	53	C 15
RUØAT	8,160	85	32	C 15
UA9CIR	7,956	78	34	B 15
RW9QA	7,665	73	35	B 15
RK9LWO	1,326	26	17	C 15
RAØFN	93,810	590	53	B 10
UA9YAB	89,424	552	54	C 10
RU9WX	51,303	349	49	C 10
RA9XY	49,350	350	47	C 10
UA9QFF	396	12	11	B 10
UAØZGA	306	17	6	B 10

Kazakhstan

UN6P	496,692	1022	162	C
UQ1D	107,100	350	102	C
UN7JJ	144,072	828	58	C 15
UN4PG	3,726	46	27	B 15

Hong Kong

VR2BG	67,548	433	52	C 10

India

ATØD (VU3DJQ,op)				
	4,617	57	27	B 20

Europe

Croatia

9A7P	197,160	620	106	B
9A4KW	4,680	52	30	B
9A4D (9A5WA, op)				
	85,065	535	53	C 40
9A1P	397,188	2244	59	C 15
9A5BS	4,698	54	29	B 15
9A5Y	423,738	2394	59	C 10
9A2NY	171,867	971	59	C 10
9A5V	121,239	709	57	B 10
9A2W (9A5TO, op)				
	59,904	384	52	B 10
9A4DA	11,730	115	34	B 10
9A4K	429	13	11	B 10

Portugal

CT1AVR	68,850	225	102	B
CT1GPQ	1,651,890	2686	205	C
CT1AHU	311,040	1728	60	C 20
CT1AUO	172,221	973	59	C 10
CT2GQN	65,988	423	52	B 10

Azores

CU2AF	135,546	779	58	B 10

Fed. Rep. of Germany

DJ3GE	25,479	149	57	A
DH5AO	134,493	353	127	B
DH2MA	120,663	369	109	B
DHØGDS	120,582	406	99	B
DL8MUG	111,456	344	108	B
DL4RCK	77,400	258	100	B
DL8SDC	76,167	279	91	B
DL6KAC	55,290	194	95	B
DL8HCO	40,683	191	71	B
DL3YEI	27,783	147	63	B
DK8EY	23,760	144	55	B
DF2HL	22,050	147	50	B
DL4PF	17,013	107	53	B
DL8SDI	11,220	110	34	B
DL2CML	3,780	36	35	B
DL9JON	1,440	24	20	B
DJ1AA	737,580	1294	190	C
DL1PT	160,128	417	128	C
DL5ME	158,061	893	59	C
DL4YAO	75,915	241	105	C
DL3ARK	58,656	208	94	C
DL6DVU	55,968	212	88	C
DL8UVG	9,240	77	40	C
DL7CX	828	23	12	C160
DF3GY	85,800	520	55	C 40
DF3CB	253,980	1411	60	C 15
DK8ZB	171,540	953	60	C 15
DL2MIH	2,925	39	25	B 15
DF9ZP	419,136	2368	59	C 10
DF3KV	379,260	2107	60	B 10
DL5DXF	128,325	725	59	C 10
DL2MEH	99,792	594	56	C 10
DL7FER	99,354	571	58	C 10
DL4WA	59,454	367	54	C 10
DL7VTL	29,040	220	44	B 10
DK5WQ	15,087	107	47	B 10
DM3ML	14,577	113	43	C 10
DH4SBE	8,925	85	35	C 10
DF6LQ	3,450	50	23	B 10
DJ2YE	1,953	31	21	B 10

Spain

EA3CI	959,004	1567	204	B
EA1WS	813,768	1654	164	B
EA1FD	375,300	695	180	B
EA3AKA	163,713	451	121	B
EA3NA	160,776	406	132	B
EA1DBC	96,747	271	119	B
EA3CZM	74,304	258	96	B
EA7TG	73,308	298	82	B
EA1CS	66,144	208	106	B
EA4GW	55,860	190	98	B
EA3NP	48,108	211	76	B
EA4AAK	41,724	183	76	B
EA7EWX	32,631	149	73	B
EA3FAJ	25,938	131	66	B
EA1WX	19,140	110	58	B
EA3FHP	19,140	110	58	B
EA5AAJ	14,061	109	43	B
EA3DVJ	13,674	106	43	B
EA3AAW	10,716	76	47	B
EC2AH	9,471	77	41	B
EA4JW	8,880	74	40	B
EA3DUR	8,400	70	40	B
EA7BYM	8,040	67	40	B
EA1FBJ	6,960	58	40	B
EA1BID	6,726	59	38	B
EA7CA	1,500	25	20	B
EA3EGB	1,233,927	1987	207	C
EA1CUB	218,790	561	130	C
EA5FEJ	27,132	133	68	C
EA5BRE	13,392	144	31	C 80
EA1DLU	113,100	650	58	C 40
EA4WC	12,636	117	36	B 20
EA3IN	276,651	1563	59	C 15
EA7NK	108,054	621	58	C 15
EA3KT	28,512	198	48	B 15
EA5TN	6,090	70	29	B 15
EA3QP	306,525	1675	61	C 10
EA7GTF	245,676	1388	59	B 10
EA1BIM	88,749	519	57	B 10
EA5DWS	64,980	380	57	C 10
EA4BT	54,060	340	53	B 10
EA1CYU	28,350	189	50	B 10
EA1BXQ	13,440	128	35	A 10
EA3DUZ	8,880	80	37	C 10
EA7GSU	5,880	70	28	C 10
EA2CHL	240	10	8	B 10

Balearic Islands

EA6DD	686,592	1192	192	B
EA6ACZ	38,394	162	79	B
EA6SX	3,238,353	3869	279	C

Ireland

EI/DH5ST	15,930	118	45	B
EI4DW	253,413	761	111	C
EI8GS	285,324	1612	59	C 15

Moldova

ER3ZZ	55,920	233	80	B
ER1QQ	215,586	1218	59	C

Estonia

ES6KW	2,166	38	19	B
ES5QX	48,960	320	51	B 20
ES5KJ (ES5RY, op)				
	19,668	149	44	B 20
ES3VI	4,116	49	28	B 20
ES5RW	335,061	1893	59	C 15
ES5CX	3,450	50	23	B 15
ES5RY	144,078	814	59	B 10
ES6QA	117,975	715	55	B 10

Belarus

EW1CQ	47,742	218	73	B
EU1AZ	4,212	78	18	C 80
EW1WB (EU1-Ø12, op)				
	9,030	86	35	B 15
EW6MM	9,000	100	30	C 15
EW1GA	5,310	59	30	B 15
EW2EO	3,864	56	23	B 15
EW6AW	2,574	39	22	B 15
EU1SA	93,060	564	55	B 10
EW6OO	5,133	59	29	B 10

France

F5BEG	372,960	740	168	A
F5NOD	202,206	503	134	A
F6FTB	86,355	285	101	A
F8BJI	290,532	682	142	B
F5POJ	157,899	511	103	B
F5BBD	149,556	412	121	B
F5ICC	84,732	307	92	B
F6LQJ	76,002	239	106	B
F6EYB	71,940	218	110	B
F5PCX	29,445	151	65	B
TMØA	18,150	110	55	B
F6FRA	11,280	80	47	B
F6CWA	1,302	31	14	C160
F6DRP	21,525	175	41	B 15
F5SDD	3,822	49	26	B 15
F6FHV	1,260	28	15	B 10

England

G3FNM	78,300	300	87	A
G3VAO	548,397	1069	171	B
MØCSU	213,048	538	132	B
G4NXG/M	158,250	422	125	B
GØ/N9LYE	119,667	353	113	B
G3KKP	98,820	305	108	B
GØMTN	8,190	70	39	B
GØMRH	3,000	40	25	B
M6T (G4PIQ, op)				
	3,799,275	4475	283	C
G4BUO	3,242,034	4393	246	C
G3MXJ	130,572	351	124	C
G3UFY	94,734	277	114	C
G3LZQ	81,510	247	110	C
M4T (GØVQR, op)				
	7,722	99	26	B 20
G4JVG	262,980	1461	60	C 10
GØAEV	251,871	1423	59	B 10
G4IUF	62,694	387	54	C 10
GØVOK	40,500	270	50	B 10
MØGTO	30,375	225	45	B 10
MØAQM	13,908	122	38	B 10

Scotland

MMØLEO	106,605	345	103	B
GM4UYZ	16,008	92	58	B
GM4YXI	3,267,252	3862	282	C
GM7V (GM3WOJ, op)				
	2,317,560	3115	248	C
GMØLYM	145,794	517	94	C
GMØEGI	63,666	393	54	B 10

Guernsey

MU3EFB	4,116	49	28	A
2UØARE	110,745	345	107	B

Wales

GWØAJI	138,294	394	117	B
GW7X (GW4BLE, op)				
	196,272	1128	58	C 40

Hungary

HA8JV	2,667,885	3515	253	C
HA5JI	3,315	65	17	C160
HA5MY	5,382	69	26	C 20
HA3NU	275,589	1557	59	C 15
HG5C (HA5MO, op)				
	324,264	1832	59	C 10
HA1A (HA1YA, op)				
	277,008	1592	58	C 10
HG8W (HA8ZO, op)				
	155,406	878	59	C 10
HA5PT	97,266	559	58	B 10

Switzerland

HB9DDS	20,862	114	61	A
HB9DNQ	28,080	144	65	B
HB9AYZ	21,780	132	55	B
HB9CVE	40,824	216	63	C
HB9DCM	34,398	234	49	B 10

Italy

IK7RVY	92,184	334	92	A
I8OCA	312,258	733	142	B
IKØYVV	236,676	652	121	B
IK3SCB	219,618	581	126	B
IK6OIN	160,125	427	125	B
IK2THN	107,532	348	103	B
IK2WZQ	87,516	286	102	B
IZ2ACG	63,168	224	94	B
IZ2ABN	59,064	214	92	B
IZ8DPN	56,496	214	88	B
IKØZSK	36,225	175	69	B
IZ8DBJ	34,650	154	75	B
IZØBNR	32,376	152	71	B
IT9YSW	20,928	109	64	B
IZ3EAY	19,398	106	61	B
IZ3EAX	14,100	100	47	B
IZØEHL	9,702	77	42	B
IV3KSE	7,965	59	45	B
IK8JVG	7,332	52	47	B
IK2NCF	5,712	56	34	B
IK2AIT	4,992	52	32	B
IK4CBM	4,536	54	28	B
IK3XTY	810	54	5	B
IZ1DLY	675	15	15	B
IO4C	1,191,672	1839	216	C
I2SVA	908,988	1436	211	C
IK4AUY	458,850	950	161	C
IZ6CST	449,391	919	163	C
IQ4N	313,662	1714	61	C
IK2ANI	171,120	620	92	C
IZ5AHA	41,475	175	79	C
IK4JQO	33,696	144	78	C
I8TWB	13,617	89	51	C
IK5WVW	108	6	6	C
I4AVG	59,469	461	43	C 80
IV3OWC	30,135	287	35	C 80
IK1HSS	12,768	152	28	C 80
IV3BKH	462	14	11	C 40
IT9STX	235,338	1286	61	C 20
IK8UND	97,362	601	54	B 20
IR4T	378,720	2104	60	C 15
IQ3A	351,900	1955	60	C 15
IKØAZG	220,719	1247	59	C 15
II1H	127,908	748	57	C 15
IK1RLI	122,940	683	60	C 15
IK2MPR	1,311	23	19	B 15
I4TJE	435,774	2462	59	C 10
IU2P	410,640	2320	59	C 10
IK4MHB	349,560	1942	60	C 10
I4KLY (IK2NCJ, op)				
	293,166	1602	61	C 10
IU3A	269,640	1498	60	C 10
IU2C	227,091	1283	59	B 10
IK6SNQ	211,869	1197	59	C 10
IQ2C (IK2JUB, op)				
	109,209	617	59	B 10
IK2ODD	83,490	506	55	B 10
IZ4AFW	69,768	408	57	B 10
IZ8EFD	58,353	367	53	B 10
IZ6BYO	48,384	336	48	C 10
IZ6EGX	43,050	287	50	B 10
IZ2DVI	25,098	178	47	B 10
IZ2EID	18,942	154	41	C 10
IK2WYI	14,763	133	37	B 10
I1NVU	10,944	96	38	B 10
IT9DTU	10,323	93	37	B 10
IK8WEI	240	10	8	B 10
IZ5DKF	48	4	4	B 10

Sardinia

ISØIGV	121,200	404	100	B
ISØLLJ	74,256	272	91	B

Norway

LA7CL	45,864	196	78	B
LA2DKA	9,180	68	45	B
LA1PHA	780	20	13	B
LA1VKA	18,762	118	53	C
LA6WEA	136,113	769	59	C 20
LA2IR	5,952	62	32	C 20
LA9VDA	195,282	1142	57	C 10
LA8OM	37,647	267	47	B 10

Luxembourg

LX1JH	187,131	469	133	B
LX1NO	390,285	2205	59	C 10
LX5A (LX1RQ, op)				
	335,073	1831	61	C 10
LX2AJ	231,693	1309	59	C 10

Lithuania

LY5A (LY2PAJ, op)				
	801,216	1284	208	A
LY2DM	206,703	579	119	B
LY3CY	38,556	189	68	B
LY1FDW	48	4	4	B 40
LY9A (LY3BA, op)				
	199,620	1109	60	C 20
LY2BBF	1,344	28	16	A 20
LY6A (LY2BM, op)				
	262,845	1485	59	C 15
LY2TE	13,566	119	38	B 15
LY1FW	178,524	1026	58	C 10
LY2FN	35,424	246	48	B 10
LY1FDY (LY2BBF, op)				
	1,938	38	17	A 10

Bulgaria

LZ1ABC	39,039	169	77	B
LZ1AQ	33,069	151	73	B
LZ1DM	19,278	119	54	B
LZ2UZ	17,748	102	58	B
LZ2WF	131,652	414	106	C
LZ2PL	112,266	378	99	C
LZ2LDS	1,008	28	12	B 80
LZ2RF	5,760	80	24	C 40
LZ9W	175,230	990	59	B 15
LZ9V	27,000	225	40	C 15
LZ2GS	14,874	134	37	B 10
LZ2ITU	1,860	31	20	B 10

Austria

OE7AJT	64,911	281	77	B
OE5JKL	14,310	90	53	B
OE1EMS	2,034,216	2974	228	C
OE5CWL	433,668	1018	142	C
OE1WWL	900	20	15	C
OE1UHA	363	11	11	B 10

Finland

OH1BOI	7,626	62	41	B
OH2HMB	585	13	15	B
OH2K (OH2LRE, op)				
	571,170	1205	158	C
OH4A (OH6LI, op)				
	470,580	2530	62	C 20
OH5LF	397,260	2207	60	C 20
OH5NE	17,199	147	39	C 20
OH6IU	8,364	82	34	B 20
OH6AC (OH6CS, op)				
	363,255	1985	61	C 15
OH6RX	359,778	1966	61	C 15

Czech Republic

OK1CJN	71,520	298	80	B
OK1TRM	64,605	295	73	B
OK1DKO	26,688	139	64	B
OK1BA	22,275	135	55	B
OK1FHI	19,140	116	55	B
OK1DVK	1,197	21	19	B
OK1SRD	192	8	8	B
OK2EQ	1,938	38	17	C 80
OK2GG	16,695	159	35	C 40
OK2ZV	3,840	64	20	B 40
OK2HZ	2,040	40	17	B 40
OK1CAZ	624	16	13	B 20
OK1RI	450,180	2460	61	C 15
OK1CF	212,754	1202	59	C 15
OK1DG	123,192	696	59	C 15
OK2TCW	13,320	111	40	B 15
OK1MMN	12,321	111	37	B 15
OK2QR	1,260	28	15	B 15
OL7N (OK1DUO, op)				
	289,926	1638	59	C 10
OK1AU	167,910	965	58	C 10
OK1ARI	121,752	712	57	B 10
OK2ABU	62,712	402	52	C 10
OK1XC	51,744	352	49	B 10
OK1CYC	19,080	159	40	B 10
OK1AOV	17,802	129	46	C 10
OK2WTM	15,252	124	41	B 10
OK2VX	14,136	124	38	B 10
OK2BHE	2,220	37	20	B 10

Slovakia

OM7JG	234,765	555	141	B
OM4DN	136,890	390	117	B
OM3YK	96,354	303	106	B
OM3PQ	54,984	232	79	B
OM1AW	378	14	9	B 80
OM5M (OM2RA, op)				
	327,960	1822	60	C 20
OM5DX	345,150	1950	59	C 15
OM7YC	10,290	98	35	B 15
OM7PY	3,000	40	25	A 10

Belgium

ON4CHK	7,236	67	36	B
ON4KVA	4,128	43	32	B
ON4AKL	248,820	1430	58	C
OT2T (ON4UN, op)				
	60,228	478	42	C 80
ON7DR	13,860	165	28	C 80
OT2H	148,074	851	58	B 15
ON7RN	161,298	927	58	C 10
ON4CAS	110,466	646	57	B 10
ON6AB	38,400	256	50	C 10
ON4XG	18,360	153	40	B 10
ON4AST	15,369	109	47	C 10

Faroe Islands

OY9JD	308,511	1743	59	C 10

Denmark

OZ1ACB	177,060	454	130	B
OZ1HXQ	1,527,720	2195	232	C
OZ2ZZZ	3,528	56	21	C 80

Netherlands

PA3EXS	34,560	160	72	A
PA9TT	12,384	86	48	A
PA9RZ	546	14	13	A
PA3FGJ	128,400	400	107	B
PA8MO	72,474	257	94	B
PA9JAM	38,850	175	74	B
PA3GVI	10,836	84	43	B
PA3CAL	10,530	78	45	B
PA3HGF	2,187	27	27	B
PAØJNH	187,812	444	141	C
PA5EA	51,522	277	62	C
PA1TT	34,476	221	52	B 10
PAØRBS	14,742	126	39	B 10

Slovenia

S54AA	38,880	160	81	A
S52AU	330,669	993	111	C
S57M	2,295	45	17	C160
S59CAB (S53CC, op)				
	49,770	395	42	C 80
S57O	31,080	280	37	C 80
S57MSU	720	24	10	B 80
S51CK	220,719	1247	59	C 20
S53MM	310,812	1756	59	C 15
S51FB	304,794	1722	59	C 15
S52ZW	277,005	1565	59	C 15
S57NRO	217,179	1227	59	B 15
S57IIO	202,488	1144	59	B 15
S5ØC (S55OO, op)				
	399,135	2255	59	C 10
S5ØK	390,780	2171	60	C 10
S55T	369,399	2087	59	C 10
S57UN	325,260	1807	60	C 10
S51TA	315,768	1784	59	C 10
S58M	143,724	812	59	B 10
S57LWG	97,845	593	55	B 10

Sweden

SM6DER	33,855	185	61	A
SM5ARL	159,120	442	120	B
SM2LIY	27,738	138	67	B
SM3EAE	16,218	102	53	B
7S2E (SM2DMU, op)				
	1,765,404	2581	228	C
SM6WQB	845,775	1575	179	C
SM7BJW	147,510	447	110	C
SM5ALJ	94,536	303	104	C
SMØW (SMØWKA, op)				
	269,394	1522	59	B 20
7S5C (SM5CBM, op)				
	6,603	71	31	B 20
SM3T (SM3RUJ,op)				
	2,079	33	21	B 20
SM7AIL	7,656	88	29	B 15
SM5INC	210,276	1188	59	C 10
SM6FJY	21,516	163	44	B 10
SM5DXV	21,033	171	41	B 10

Poland

SM7DBN	4,794	47	34	A
SP6EKS	613,836	1156	177	B
SQ9LR	174,906	474	123	B
SQ8FEW	157,257	519	101	B
SP2QVU	97,470	342	95	B
SP9HQC	90,537	293	103	B
SP1DMD	85,785	301	95	B
SP1EK	67,848	257	88	B
SP3XR	65,520	240	91	B
SQ4CUX	58,473	219	89	B
SP4CQU	52,020	204	85	B
SP3GHK	40,404	182	74	B
SP9MRQ	40,194	174	77	B
SQ9MZ	23,247	123	63	B
SP8GNF	18,600	100	62	B
SP7FBQ	6,270	55	38	B

SP1MVG 192 8 8 B
SN2B (SP2FAX, op)
3,942,576 4978 264 C
SN800R (SP9LJD, op)
794,124 1548 171 C
SP6IHE 214,269 473 151 C
SQ8JLA 90,801 513 59 C
SP6HEQ 19,908 237 28 C 80
SP9EMI 1,938 34 19 B 40
SP4SHD 5,133 59 29 B 20
SP5GRM 351,000 1950 60 C 15
SP4DEU 123,540 710 58 B 15
SP6DVP 86,670 535 54 B 15
SP9RVD 30,084 218 46 B 15
SQ9FMU 12,495 119 35 B 15
SP2AYC 10,476 97 36 B 15
SP2FWC 2,244 34 22 B 15
SP3KEY (SP3DWQ, op)
193,284 1092 59 B 10
SP4DGN 171,159 967 59 C 10
SP6LUV 153,816 884 58 C 10
SN8F 126,846 783 54 C 10
SP3SLO 86,199 487 53 B 10
SQ9PM 51,891 353 49 B 10
SP3FYX 43,050 287 50 B 10
SP3GTS 35,427 241 49 B 10
SP5XMU 29,808 216 46 A 10
SP9NFB 20,916 166 42 B 10
SP6DHD 1,920 32 20 B 10

Greece

SV1DPI 759,792 1439 176 B

Bosnia-Herzegovina

T97M 7,854 77 34 B
T91ENS 240 10 8 A 10

Iceland

TF3MA 8,352 58 48 A
TF3AO 10,395 99 35 B
TF3VS 2,448 34 24 B

Kaliningrad

UA2FZ 114,750 306 125 C

European Russia

UA3BL 71,820 285 84 A
RN3RQ 351,036 796 147 B
RN1AO 236,115 583 135 B
RA3DNC 169,920 472 120 B
RW3DU 115,599 341 113 B
RD4M (UA4LU, op)
104,958 357 98 B
UA4ACP 101,124 318 106 B
RW4WZ 55,836 198 94 B
RW4HB 40,257 189 71 B
RU3WR 37,800 180 70 B
RU3DM 17,640 140 42 B
RW3VZ 12,006 87 46 B
UA6LP 11,088 84 44 B
RA3AJ 1,631,340 2565 212 C
UA4LCH 1,493,505 2405 207 C
RK4FF 1,009,770 1735 194 C
UA4FER 514,917 1053 163 C
RK6AW 418,560 872 160 C
RX3RC 323,388 691 156 C
RA4LW 139,440 415 112 C
UA3AP 130,644 382 114 C
RZ3DH 125,421 431 97 C
RW4LE 95,823 351 91 C
RV1CC 41,712 176 79 C
RA4AR 37,275 175 71 C
UA3BM 18,297 107 57 C
RU3DX 13,104 84 52 C
UA3LHL 12 2 2 B 80
RJ1Z (RW1ZA, op)
330,315 1805 61 C 20
RA1ACJ 296,280 1646 60 C 20
RN4WA 264 11 8 C 20
RA6LW 79,518 457 58 C 15
RU6FA 58,632 349 56 C 15
RA3XO 42,228 276 51 C 15
RW4FX 15,912 136 39 B 15
UA6ADC 11,556 107 36 B 15
RX3DBG 7,872 82 32 B 15
RU3DVR 3,969 49 27 C 15
RZ3AA 207,540 1153 60 C 10
RA1AW 37,224 264 47 B 10
RA3QH 23,760 180 44 B 10
RA4PPB 12,090 130 31 B 10
RA3TAR 6,840 76 30 B 10
RW3GU 6,561 81 27 C 10
RV3DCC 5,304 68 26 B 10

Ukraine

UW5U (UY2UA, op)
228,516 548 139 B
UY5TE 55,890 230 81 B
UT0D (UT7DX, op)
1,416,870 2249 210 C
UR5IFB 22,860 127 60 C
UR4EI 12,423 101 41 C
UU2JQ 1,380 23 20 C
UU2JA 945 21 15 C
UZ7U (UT3UA, op)
17,052 196 29 C 80
UT4UO 53,664 344 52 C 40
UT8LN 36,504 234 52 C 20
UR4EYN 19,560 163 40 C 20
UT7UW 8,835 95 31 C 20
UT8IM 3,600 50 24 B 20
UU7JX 58,464 336 58 C 15
US7IGF 22,356 162 46 B 15
UZ4E 4,200 56 25 C 15
UU7J (UT5UT, op)
235,941 1333 59 C 10
UT2IJ 191,400 1100 58 C 10
UU2JZ 166,203 939 59 C 10
UT5MB 32,886 261 42 C 10
US5WMS 21,543 167 43 B 10
US5WDL 15,498 123 42 A 10

Latvia

YL2PA 133,416 408 109 B
YL2NK 31,356 156 67 B
YL2PN 12,276 93 44 B
YL2MF 6,048 63 32 B
YL2KO 1,346,832 2256 199 C
YL1ZJ 432 16 9 B 80
YL2SM 229,215 1295 59 C 10
YL3BZ 24,960 208 40 B 10

Romania

YO4AAC 2,331 37 21 A
YO3III 390 13 10 A
YO3FRI 176,400 490 120 B
YP3A 249,342 1433 58 C 15
YO3AIL 7,347 79 31 B 15
YO9DBP 5,751 71 27 B 15
YO3APJ 46,368 322 48 B 10
YO2BEH 23,100 175 44 C 10
YO8DHD 7,743 89 29 B 10

Yugoslavia

YU1LM 39,798 201 66 A
YU1OJ 232,617 583 133 B
YT1LT 141,336 453 104 B
YU7AM 38,760 170 76 B
YT6A 43,401 391 37 C 80
4O6A (Z32AF, op)
377,718 2134 59 C 15
YU7KM 13,338 117 38 B 15
YT6T 310,812 1756 59 C 10
YT1LD 232,401 1313 59 B 10
4N1N (4N1LB, op)
157,992 908 58 C 10
YU7WW 133,980 770 58 B 10
YU7QL 130,674 751 58 B 10
YT1BB 93,174 586 53 C 10
YU7HI 91,740 556 55 B 10
YU7SF 26,316 204 43 B 10
YU1ACS 20,172 164 41 B 10

Macedonia

Z36W 71,781 337 71 B
Z32XX 222,135 1255 59 C 10

North America

Jamaica

6Y8Z 872,505 1405 207 B
6Y4Y 358,110 865 138 B

Barbados

8P5A (W2SC, op)
8,219,232 8154 336 C

Bahamas

C6AMM (K1CN, op)34,572 172 67 B

Cuba

CM2OT 41,958 333 42 B 15
CO2TK 208,926 1314 53 B 10
CO8ZZ 208,791 1221 57 B 10
CO2PH 136,104 856 53 B 10

Saint Martin

FS/KT8X 580,800 1210 160 B

Dominican Republic

HI3/K1CX (KC1XX, op)
3,148,515 3441 305 C

Panama

HP3XBS 229,569 1297 59 B 10

Honduras

HR3J (JA6WFM, op)
393,120 2184 60 C 15

Grenada

J37LR (VE3EBN, op)
409,494 982 139 B

St. Lucia

J6/G3TBK
1,690,920 2684 210 B

Alaska

KL7AC 740,460 1435 172 B
KL7RA 446,217 2521 59 C 15

Virgin Islands

WP2Z (N2TK, op)
4,595,331 5123 299 C

Puerto Rico

WP3GW 20,223 107 63 B
NP3X (KP4WW, op)
474,120 2634 60 C 10

Costa Rica

TI5N (W8QZA, op)
949,200 1582 200 A
TI2KAC 151,776 408 124 B
TI5/VE7CC
5,481,864 5571 328 C
TI7/N4MO 296,829 1677 59 B 15

Belize

V31MF 267,660 1487 60 B 15
V31MX 224,982 1293 58 B 10

St Kitts & Nevis

V47KP (W2OX, op)
5,045,256 5322 316 C

Anguilla

VP2E (N5AU, op)
6,330,636 6513 324 C

Mexico

XE2AUB 811,440 1680 161 B
XE1BEF 122,436 716 57 C
XE1ZOI 27,876 202 46 B 20
XE1CT 103,290 626 55 B 10

Cayman Islands

ZF2MM (K9PG, op)
9,125,403 8617 353 C
ZF2AH 501,972 2836 59 C 10

Oceania

East Timor

4W6MM 144,480 560 86 B

East Malaysia

9M6A 331,170 830 133 C

Philippines

DU1BP 82,650 290 95 C

Hawaii

KH7R (KH6ND, op)
6,668,160 6946 320 C
NH7A 3,680,040 4381 280 C
AH6OZ 343,674 939 122 C
KH6GMP 180,600 1075 56 B 10

Australia

VK3JS 2,250 30 25 A
VK2AAC 15,600 100 52 B
VK3SB 7,524 66 38 B
VK5EMI 396 12 11 B
VK5GN 1,036,275 1685 205 C
VK2CZ 371,628 999 124 C
VK8TM 63,504 432 49 B 10

Indonesia

YB2ERL 153,552 457 112 B
YC9WZJ 38,613 211 61 B

New Zealand

ZL1ANJ 513,060 1006 170 C

South America

Chile

CE4P 222,666 1258 59 C 10

Ecuador

HC1HC 477,360 2652 60 C 10

Colombia

HK3JJH 1,954,578 3274 199 B
5K3W 39,600 220 60 B

Argentina

LU1VK 116,376 373 104 A
LR7E (LU3DR, op)
49,794 193 86 A
AY8A (LU8ADX, op)
691,200 1536 150 B
L20E 297,360 885 112 B
LU1BJW 214,032 637 112 B
LU4FXI 204,585 593 115 B
LU4DX 129,600 450 96 B
LU6FFL 5,712 68 28 C 80
LU6ETB 381,060 2117 60 C 10
LU7DW 282,960 1572 60 C 10
LT1A (LU3CT, op)
256,296 1448 59 B 10
LU5FII 157,992 908 58 B 10
LW1EGD 146,334 841 58 C 10
LU2EC 102,312 609 56 B 10

Peru

OA4SS 2,206,413 2907 253 C

Aruba

P40P (W5AJ, op)
5,233,569 5401 323 B
P40A (KK9A, op)
640,917 3621 59 C 15
P40B (P43P, op)
223,764 1286 58 B 10

Netherlands Antilles

PJ2/W6UL 102,960 624 55 C 20
PJ2K (K6RO, op)
568,800 3160 60 C 10

Brazil

ZX2B (PY2MNL, op)
999,312 1744 191 B
PY7EG 5,130 45 38 B
PR7ZZ 60 4 5 B
PY3PA 217,299 641 113 C
PR7AR 660 22 10 B 80
PY3NZ 51,357 323 53 C 40
PY6KY 18,093 163 37 C 40
PY3FOX 187,920 1080 58 C 20
PY2NY 125,454 721 58 C 20
PY2NDX 271,080 1506 60 B 15
ZV2V (PY2LED, op)
216,825 1225 59 B 15
PY2DA 23,616 192 41 B 15
ZX5J 598,959 3273 61 C 10
PY2XAT 309,927 1751 59 B 10
PY2YU 249,393 1409 59 B 10
PY4DBU 176,784 1016 58 B 10
PY2AER 29,952 208 48 B 10
PY7VI 7,200 80 30 B 10
PY2DBU 5,712 68 28 B 10
PR8RZJ 4,956 59 28 B 10
PU2TES 2,829 41 23 B 10
PY3OS 1,920 32 20 B 10

Venezuela

YV7QP 87,696 336 87 B
YV1CP 13,068 132 33 C160
YV5OHW 114,741 671 57 C 80
YV4FZM 105,435 639 55 C 80
YV4YC 165,312 984 56 B 10
YZ1V (YZ1ZV, op)
84,303 493 57 B 10

Paraguay

ZP6T 298,980 1661 60 C

Single Operator Assisted

Asia

JH7LRS 1,822,356 2676 227 C
7L4IOU 410,670 845 162 B
JO2AXB 138,975 425 109 B
JI1EFP 137,214 378 121 B
JJ2TKX 45,507 197 77 B

Europe

YT7A (4N7DW, op)
2,515,590 3465 242 C
S51DX 2,482,560 3448 240 C
OH6NIO 752,115 1729 145 C
IZ5CML 447,393 893 167 B
EA5FID 340,632 664 171 C
YL2LY 216,423 519 139 C
SN2E 160,785 397 135 B
SP5AKG 128,016 381 112 B
EA3GIP 121,797 347 117 B
IT9IQQ 76,032 264 96 B
EA5EG 73,326 242 101 C
OK1DUT 41,580 252 55 C
SM5AJV 18,810 110 57 B
IK0UTM 3,741 43 29 B

North America

8P6SH 2,634,864 3229 272 C

Multioperator Single Transmitter

Africa

EA8BH (OH2BH, OH2PM, ops)
6,508,608 6976 311 C
CT9M (CT3BD, CT3DL, CT3EE, CT3EN, CT3HK, CT3IA, CT3IQ, CT3KU, ops)
3,960,414 4698 281 C

Asia

JH7PKU (+JF1SQC, JA9SSY)
2,823,480 3720 253 C
5B4/R3CC (RW3QC, RX3DCX, ops)
2,591,826 3442 251 C
JA7YAA (JE7HLZ, JH0NZN, JH0ORW, JG7PSJ, JO7DJT, JO7FTJ, ops)
1,933,470 2790 231 C
JA1YNE (JP1OGL, JR1NKN, ops)
874,008 1592 183 C
RZ0IWR (UA0IAS, UA0IHA, ops)
86,994 537 54 B

Europe

TM5C (F5MUX, F5NLY, F5VCO, F6CTT, ops)
5,284,104 6202 284 C
OM0M (OM3BH, OM3CHL, OM8AW, ops) 3,574,977 4601 259 C
RW2F (RN2FA, RA2FA, UA2FP, ops)
3,565,818 4386 271 C
OM7M (OM3PA, OM3PC, OM5RW, OM5RM, OM5ZW, ops)
3,475,242 4182 277 C
OE2S (OE2LCM, OE2MON, OE2VEL, ops) 3,416,031 4233 269 C
HG1S (HA1TJ, HA1DAE, HA1DAC, HA1AG, HA1AH, HA1DAI, ops)
3,357,840 4115 272 C
M2A (G3ORY, G4EOF, M0TTT, M5BOP, M5ZAP, ops)
3,002,784 4036 248 C
IQ4T (I4IFL, I4MNY, IK4HVR, IK4MGP, IK4MGX, IK4SXJ, IK4WMH, ops)
2,776,311 3687 251 C
M0SDX (+M0DXR)
2,652,360 3565 248 C
HB9CAT (+HB9FAP, HB9DDO, HB9SUL)
2,502,072 3363 248 C
SN8V (+SP8GQU, SP8ARY, SP8GWI, SP8LBK, SP8NCF, SQ8BGJ, ops)
2,478,669 3457 239 C
HB9AUS (+HB9BYT, HB9CXZ, HB9DPD, HE9EEX)
2,468,400 3025 272 C
OL5Q (OK1FFU, OK1HRA, OK1VSL, OK1INC, OK1FLC, ops)
2,250,528 3152 238 C
OL7R (OK1WMV,OK1XUV, OK1VWK,OK1ISB, ops)
1,916,541 2673 239 C
PI4TUE (PA3EZL, PE1PRG, ops)
1,774,857 2653 223 C
LA2Z (LA3BO, LA6MV, ops)
1,745,679 2633 221 C
DL0DX (+DL5JS, DL5KUT, DK2OY)
1,740,096 2544 228 C
IO4T (IK4ALM, IK4HLQ, IK4RQJ, IK4VET, IK4XCL, IK4ZHH, IZ4DIJ, + logger) 1,679,328 2352 238 C
9A8M 1,599,669 2349 227 C
EA3RKG (EA3BOW,EA3BOX,EA3DGQ, EA3EIO,ops)
1,498,488 2153 232 C
F8KCF (F5DN, F1ADG,ops)
1,095,912 1964 186 C
HB9CXZ (+HB9FBO,HB9OCR)
1,019,466 1566 217 C
IO2L (I2OKW, IK2FIL, IW2HAJ, ops)
976,701 1741 187 C
OH2U (OH6EI, OH6LK, ops)
951,405 1547 205 C
OZ5ESB (OZ1CWP, OZ1INN, ops)
850,197 1697 167 C
YL7C (YL2MD, YL2GQT, ops)
715,392 1296 184 C
OK6A (OK2INW, OK2CMW, OK2MTW, OK2PSE, ops)
507,228 983 172 B
IT9ECQ (+IT9FXY,IT9GNG, IT9HBT)
472,026 1042 151 C
HB9OK (HB9DOS, HB9DQP, HB9FAQ, HB9DHG, HB9FBL, ops)
458,889 1013 151 C
OL2A (OK2PDK, OK2HBY, OK2PEM, ops) 318,843 723 147 C
DL2APJ (+DJ9AO)
262,683 621 141 B
F5KSE (+F4CIB, F5IJT, F6EPH, F6IHY, F6PEN) 177,870 770 77 C
M5W (M0COP, G0EYO, G0MTN, ops)
148,458 454 109 B
LA2T (LA4YW, LA3WAA, ops)
146,160 464 105 C
SP4PBI (SP4EEZ +loggers)
47,880 168 95 B
UX8IXX (US8IGF, US8IEU, US8IGE, ops) 28,638 129 74 C
SK6DG (SM6RXZ, SM6XMW, SM6VUR + ops) 8,040 67 40 C
EW2WW (EW2EO, EW2-126, ops)
6,237 77 27 B
SP9KOV (SP9HAX, SP9CTS, ops)
6,201 53 39 B
UU5A (UU2JQ, UU0JX, ops)
864 24 12 C

North America

VP5B (K4ISV, K4CN, ops)
7,713,498 7607 338 C
6D2YFM (K1OJ, KK5LO, W5IDX, W5PF, W5SB,ops)
5,180,097 5447 317 C
V31DJ (W0CP, W1LLU, ops)
4,575,501 5067 301 C
FG/TO4T (FG/F6HMQ,FG/F6GWV, FG/F6ASS,ops)
4,230,882 5073 278 C
VP5WW (KX4WW, W4OX, ops)
2,151,321 2857 251 C
T48RAC (CO8KL, VE3ESE, CO8DM, CO8DD, CO8LY, CO8TW, CO8OT, CO8WS, CO8HF)
1,970,640 2576 255 B
NP2B (+N4FD)
1,926,267 3163 203 C
TI9M (N7DF, AD6E, AK0A, F5CWU, PA3EWP, KA0KKO, ops)
1,317,900 1910 230 C
PJ7B (W8EB, K8RLM, ops)
202,188 581 116 C

Oceania

KH6/W2EDD (+AD4J, K3ZM, W4GKA)
1,758,372 2422 242 B
VK4UC (+NO7F)
1,552,746 2342 221 C

South America

FY5KE (F1HAR, F5HRY, F5MZN, F6FVY, FY5FU, FY5FY, ops)
7,480,368 7602 328 C
PJ4G (K2NG, K2TW, NO2R, ops)
5,865,552 6072 322 C
PW0T (PY0FF, PY5CC, PT7BZ, N6FF, PY5HSD, PY7ZZ, PY7XC, PY7ZY, PY1RO, ops)
2,745,792 4086 224 C
CX5BW (+ CX7BY, CX8CP, LU2FA, LU1FGZ, CX4DX)
2,610,753 3611 241 C
LU1NF (LU1NDC,LU2NI,LU8NA,ops)
1,971,954 3086 213 C
PY2GEC (PY2TO, PY2GA, PY2GY, PU2RFA,ops)
927,684 2118 146 C
PR7CP (PR7FN, PR7PG, ops)
171,912 494 116 C
ZW7B (PR7AYE, PR7AB, PR7QI, PU7EEL, ops)
117,810 385 102 C

Multioperator Two Transmitters

Asia

JI2KVW (+JF2AII, JG2ADX, JF2FIU)
1,676,700 2484 225 C
JA1YFG (JL7MYL, 7L4XVL, 7M4DPF, 7M4PJX, 7N4QHY, ops)
1,015,692 1597 212 C

Europe

RU1A (RW1AC, RX1AA, RV1AW, RA1AR, UA1ARX, UA1AKC, ops)
4,824,360 5956 270 C
HG6N (HA3QV, HA6DX, HA6ND, HA6NF, HA6NQ, HA6NY, HA6PX, ops) 4,768,353 5953 267 C
DL6RAI (+DJ5CL, DL1MGB, DL2NBU, DL4RDJ)
4,387,770 5417 270 C
RM6A (RA6CO,RN6BN.,RA6CM,ops)
3,327,168 4472 248 C
EA5DFV (+EA5ON, EA5CLH, EC5CPL)
3,298,392 4506 244 C
IO2A (IK2RZP, IK2HKT, I2IFT, IK2CIO, IK2SND, ops)
2,653,410 3670 241 C
SP4KEV (SQ4MP, SP4JCP, SP4TKR, SQ4NR, SP4DTU, SQ4OQ, ops)
647,328 1226 176 B

South America

OA4O (OA4EI, OA4AHW, OA4BHY, OA4CRK, OA4DII, OA4DIX, OA4DJW, OA4DKC, OA4DMR,)
4,122,495 5265 261 C
PY3MHZ (PY3AFS, PY3BZA, PY3MM, PY3SGO, PY3ABT, PY3BM, ops)
172,341 491 117 C

Multioperator Unlimited Transmitters

Africa

EA8ZS 4,882,500 5425 300 C

Asia

JA3YBK (JH3PRR, JG3KIV, JI3OPA, JP3PZD, JH4NMT, ops)
3,531,990 4865 242 C
JA1YPA (JA1PEJ, JF1EQA, 7K4HMN, 7M3LVM, ops)
477,360 1040 153 C

Europe

9A1A (N4PN, NF4A, 9A5W, 9A5E, 9A5K, 9A6A, 9A6D, 9A7R, 9A8W, 9A9A,ops)
7,659,792 8344 306 C
9A7A (9A8A, 9A7V, 9A6DM, 9A4RX, 9A4PA, 9A4BT, 9A3TR, 9A3OS, 9A2ME,ops)
5,436,957 6271 289 C
LY7Z (LY1DS, LY2TA, LY3MM, ops)
3,883,932 5018 258 C
YT9X (YU1JW,YT1RA,YZ1KA, YU1ZZ,ops)
3,624,942 4814 251 C
LY7A (LY2NUT, LY2OC, LY2KJ, LY2LL, LY3TT, LY3HD, LY2UF, LY2NK, ops)
2,171,325 3275 221 C
UR2E (UR5EAW, UR7EU, US6ET, US-E-Ø73, ops)
192,888 564 114 C

North America

VP5A (N3FTI, WE3C, KQ3V, ops)
9,571,968 9496 336 C
V26S (N2WKS, KD3TB, W3CF, ops)
4,419,519 4927 299 C
TI8/K4QFF (+WA4PUJ, WA4UPE)
1,114,470 2030 183 B

South America

LT1F (LU1FAM, LU1FGE, LU1FT, LU1FD, LU1FKR, LU3FP, LU3FZW, LU5FHM, LU6FQD)
3,154,800 4400 239 C

Checklogs: 8S4Z, AC7NO, DJ1VQ, EA5GPQ, G0FDX, G3LUW, J41YM, KD1XX, LA4YW, LU2QC, LX9SW, LZ2SX, LZ4UU, N9ERW, OA4BA, OH2BAH, OH6QU, OK2UGY, PA0EHF, PA0IJM, PY3CEJ, RA1QDP, RU3DG, RW3BK, SM1CXE, SM6MVL, SP1JON, SP5CGN, SP7LHX, SP8BRQ, SP9CVY, SP9SOU, TA3J, TU2MA, UA0AZ, UA3AGW, UA3DEE, UA3DUJ, UA9JLL, UR4EWZ, UR5ZIB, VA2MI, VE3YQY, W2BZH, W3NTD, W6AFA, W9CP, WA0OTV, WB4RUA, YB1BOD, YL5W