By Scott Robbins, W4PA

2002 ARRL International DX CW Contest Results

"So it has been, so it will always be."

Contesters worldwide were treated to another round of phenomenal HF propagation for the 2002 running of the ARRL DX CW contest on February 16 and 17. At the solar maximum, we contesters tend to adopt the "so it has been, so it will always be" attitude about contest band conditions. "Of course 20 meters will always be open all night. I'll make hundreds (or thousands) of contacts on the high bands, just like I did last year. Those elusive multipliers will show up over the pole just when I need them. I don't need a linear amplifier; I can work anything I hear."

"So it has been, so it will always be." At least for 2002, the axiom held true. Band conditions easily rivaled the great propagation noted for the 2001 running, which had been described by some as maybe the best ever for ARRL DX CW. The top multi-multi stations made contacts in all 48 hours of the event on 20 meters. They worked thousands of contacts—on 10 meters alone. One of the top-10 High Power ops made a contact in 40 of the 48 hours on 20 meters, missing contacts only on hours when 10 and 15 were so open that to be on 20 at that time would have been strategy-deficient.

"So it has been, so it will always be." I am sure Greg Cronin, W1KM, would disagree with that sentiment. One only need look as far as W1KM's winning single op High Power effort in the 1996 contest when he stomped the competition with a fabulous 10 meter contact total of… four! That's a far cry from the heady high band QSO totals of these past few years.

"So it has been, so it will always be." Low bands great during the top of the sunspot cycle? What? "This was my seventh or eighth trip down there," says 8P9JA operator Jim Stevens, K4MA, "except for possibly one trip at the bottom of the prior cycle, the low bands were absolutely the best I have ever heard from there. Even more amazing was that we got two good nights in a row."

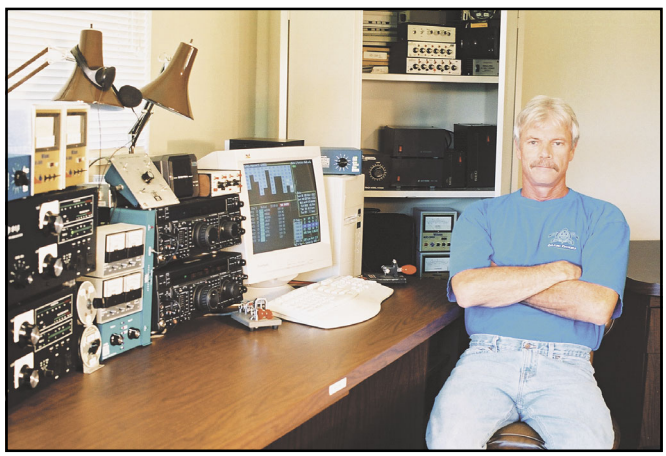
"So it has been, so it will always be." Yes, and no. Familiar faces and newcomers alike appear in the top 10 boxes spread among the various contest categories. 1969 Low Power winner John Comella, N8AA (ex-W8QXQ), operating from the same metro Cleveland QTH as then, credits a modern HF transceiver, better antennas and the advent of contest logging software for his ability to keep up the pace and dit-dah his way to a 2002 #8 Low Power finish. Not to mention a snappy new call sign, eh, John?

Contesting conventional wisdom today is that you simply cannot effectively compete without the benefit of multiplier-spotting aids. It was with great interest this year when John Golomb, N2NC, of the N2RM Multi-2 crew announced they were going to try operating the 2002 ARRL DX CW without the benefit of spotting to see if they could be competitive in the Multi-2 category. The gang at 'RM have proven that, indeed, one can be competitive in the multi-op categories without spotting aids by taking the #1 spot after hunting down each and every one of the multipliers they worked without assistance outside the shack.

W/VE QRP

The winner's circle for the single operator QRP category was occupied by Fred Sanborn, KG9X, from Illinois. While reasonably close to other QRP entrants at 1627 contacts (a total of 7 QRP logs would top 1000 QSOs each), Fred's multiplier total of 375 vs 325 for N4KG and 308 for K2DM powered his station to a score of 1,830,375 and his first ARRL DX CW QRP victory. His final score was 1,830,375.

George Briggs, K2DM, keyed his New Jersey station to a second place QRP finish…for the third time! Tom Russell, N4KG (AL), fought hard and came in with



Mike, KH6ND, became the first winner of the DX CW contest from the Pacific since 1971.

Expanded 2002 International DX CW Contest Results Available on *ARRLWeb*

Interested in more in-depth coverage of the final results? Wish you had an easy way to search the data and compare your efforts to others? Wonder how your individual band by band breakdowns compared to your rivals?

You can now find this information and more at the ARRL Contest Results Web site at **www.arrl.org/contests/results**. ARRL members can read an expanded write-up of the results coverage, view enhanced Top Ten box scores and see what kind of station equipment top stations are using. The Online Soapbox includes photographs and interesting stories from many of the competitors.

Using the interactive searchable database, you can do your own analysis of the contest results. What bands were the best for the top stations in my class? Where might I consider spending more time during the next contest to improve my score? What type of antennas work well for other stations?

A wealth of additional information awaits you at the ARRL Contest Results online. Visit today.

From October 2002 QST © ARRL

Top Ten—US

Single Operator High Power

K5ZD (W4PA,op)	6,173,244
K1DG	5,629,746
AA1K	5,172,453
W9RE	5,063,502
K1ZZ	5,045,175
N2IC	4,902,660
W1WEF	4,854,462
K2UA	4,789,530
K5GN	4,628,520
K3CR (LZ4AX,op)	4,446,192

Single Operator Low Power

W1UK	3,123,012
K7SV	2,901,756
KS1J	2,898,252
N2NT (LU9AY/W2,op)	2,836,095
N4TZ	2,804,970
K1VUT	2,751,960
KØSR	2,575,620
N8AA	2,559,609
N4ZZ	2,549,385
K8PO	2,333,028

Single Operator QRP

KG9X	1,830,375
K2DM	1,375,836
N4KG	1,288,950
VA3TTT	907,581
NA4CW	840,465
W9WI	806,607
N7IR	795,795
NØUR	772,548
N7OU	725,040
N9CIQ	722,724

Single Operator Assisted

K3WW	7,007,520
K2NG	5,260,104
KI1G	4,974,318
AA3B	4,439,244
KQ3F	4,323,564
N2MM	4,222,944
W2RE	4,143,480
W7/DL3OI	4,103,280
N1EU	3,984,087
W3FV	3,548,484

10 Meters

W4ZV	671,652
K2VV/Ø	623,700
K9NW	611,490
N9AG	594,243
K5RX	558,252
N7KU (NJ6D,op)	449,400
K4WI	425,418
W6YA	408,912
K7QQ	376,200
K7BG	375,813

15 Meters

N2MF	631,344
K4VX/Ø (K9BGL, op)	572,094
VE6JY (TI2WGO,op)	563,997
K5MR	523,050
K4OAQ	512,550
W7UT	386,640
W8FT (AA8UP,op)	336,798
WF3J	321,912
VE3MQW	225,432
WA1FCN	217,959

20 Meters

W7WA	590,208
W5MX	550,278
WE1USA (WA1LNP,op)	447,480
VE6EX (@VE6JY)	392,196
WB2DVU	172,800
W8TWA	126,063
K7ABV	123,372
K9CAN	97,944
VE3XL	79,680
WY3T	78,003

40 Meters

KT3Y	388,194
N4PN	346,626
W5AO	267,840
VE6WQ (@VE6JY)	230,496
WB9Z	212,184
K6TA	203,964
N1RL	96,789
K9CJ	51,870
W9GXR	51,546
K3XXX (K8BK,op)	50,808

80 Meters

W1MK	258,315
K1PX	74,112
K8AQM	67,308
N3DL	54,600
W4VQ	34,968
VE3PN	30,690
K3SV	30,447
W7DD	18,963
K4IE	12,696
NA2X	11,844

160 Meters

VY2ZM	127,800
W8TOP (W8UVZ,op)	14,076
K4TEA	11,844
K3JJG	10,998
VE3DO	4,284
W2VO	3,690
NX5M	3,108
VE3OSZ	2,688
NØTT	2,592
N5FG	1,320

Multioperator Single Transmitter

K8AZ	6,752,262
W3BGN	6,317,595
K1IR	5,896,380
K2WI	5,561,322
AA2FB	5,089,854
NØNI	5,049,414
NØDY	4,304,040
WT1T	4,239,960
NE3F	3,733,173
WN9O	3,063,042

Multioperator Two Transmitters

N2RM	11,835,315
K1AR (@K1EA)	11,780,448
K1KI	10,723,380
W4AN	10,693,257
N3RS	10,610,379
K4JA	9,931,320
K8LX	7,642,866
W5KFT	5,867,100
N5TW	5,650,512
N4TO	4,955,136

Multioperator Unlimited Transmitters

KC1XX	17,542,008
W3LPL	17,530,500
K3LR	17,127,864
K9NS	15,634,296
K1XM	14,354,664
K1RX	12,801,348
W4MYA	11,955,648
NY4A	11,586,816
K1TTT	11,198,616
K8CC	10,998,666

a solid third place effort, his QSO total not able to offset K2DM's multipliers for second place, as they finished only 86k apart—1,375,836 to 1,288,950.

W/VE Low Power

It was Jim Parise, W1UK, operating from Connecticut and taking the top Low Power spot with 2683 QSOs and 388 multipliers for a score of 3,123,012. Jim has spent countless hours planning his station at the new QTH as well as significant time working with local planning and zoning officials as he engineered his station to meet tough local restrictions. It is a victory hard fought on many fronts.

Behind leader W1UK, there was a dogfight for the next five positions, with only 150k points separating positions 2 through 6. It was Larry Schimelpfenig, K7SV (VA), finishing #2 with George Johnson, KS1J (CT), Matt Vanni, LU9AY, operator at N2NT (NNJ), Terry Zivney, N4TZ (IN) and Dave Clemons, K1VUT (EMA), in close pursuit.

W/VE High Power

Scott Robbins, W4PA, traveled from Knoxville, Tennessee, to the well-equipped Massachusetts station of K5ZD to take the #1 position with a score of 6,173,244. His 2002 score marks only the third time that the 6 million-point plateau has been topped in the High Power category.

Topping the 4000 QSO mark along with Scott were 2nd and 3rd place finishers Doug Grant, K1DG, in New Hampshire at 5,629,746 and Jon Zaimes, AA1K, in Delaware at 5,172,453. K1DG's 5.6 million-point effort was good for his 4th consecutive top-10 High Power finish.

W/VE Single Op, Assisted

Also called "single op distracted" by some unable to master watching packet spots and running a pileup at the same time, this category has seen some impressive score totals racked up over the past few years. 2002 was no exception with Charles Fulp, K3WW (EPA) coming in over the 7 million point mark for a convincing first place Single Operator Assisted finish. The "distracted" label does not apply here; not only did Charles beat all of the unassisted High Power entrants for QSO total (4494), he racked up a single op second-best 520 multipliers to cruise to victory.

Finishing second to Chas in this competitive category was Noah Gottfried, K2NG, with a score of 5,260,104 from his QTH in Northern New Jersey. Rick Davenport, KI1G, finished with New England-best score of 4,974,318 (RI), while a couple of "Joe's" also from Eastern PA stations took fourth and fifth place—Joe "Bud" Trench, AA3B, 4,439,244 and Joe Stepansky, KQ3F, 4,323,564.

W/VE Single Band

Jeff Briggs, K1ZM (brother to #2 QRP finisher K2DM), traveled to his 'alter ego' station on Prince Edward Island in Atlantic Canada to operate VY2ZM to a runaway win in the 160 meter Single Band category, making an amazing 600 DX contacts on top band for a 127k score. The VY2ZM score also more than doubles the previous W/VE 160 meter single band record. On Single Band 80 meters, veteran low band entrant, Robye Lahlum, W1MK operated his way to his 9th consecutive victory with more than 1000 QSOs and a final score of 258,315 points.

The higher band categories each featured a closer race than the low bands, with Phil Allardice, KT3Y topping Paul Newberry, N4PN, for the Single Band 40 meter win. On Single Band 20 meters, WRTC competitor Dan Handa, W7WA, came in #1, topping Bryan Bydal, W5MX, by a comfortable 7% margin to take home a plaque. Single Band 15 meters saw a fairly competitive run with 5 stations in contention. It was Brian Edward, N2MF, outpacing K4VX (K9BGL, op), to take home the 15 meter wood. Finally, Single Band 10 meters featured a competitive finish with Bill Tippett, W4ZV setting a new scoring record at 671,652 points. K2VV/Ø, K9NW and N9AG finished #2, 3 and 4 behind Bill and all three of them scored above the previous category record as well.

W/VE Multi-Op Categories

In the Multioperator Single Transmitter category it was a fine effort by the members of the North Coast Contesters, operating K8AZ (OH) to a solid first place finish with a score of 6,752,252. Close behind were W3BGN (EPA) at 6,317,595 and K1IR (EMA) at 5,896,380.

The Multioperator Two Transmitter category featured a race between the "packet-less" team at N2RM (SNJ) and K1AR (at K1EA in WMA)), with N2RM prevailing by a score margin of approximately 2% to win from southern New Jersey. Coming in a strong third and fourth behind the leaders were Connecticut's K1KI and the north Georgia superstation of W4AN.

The super-competitive Multi-Multi category featured the closest race of 2002 and in the end it came down to less than a one-thousandth of one percent score margin separating the top two finishers for not only the victory but the new multi-multi scoring record. It was the crew at KC1XX in NH pulling it off with 17,542,008 points to W3LPL's 17,530,500 final tally from MDC. How close is that? One more multiplier or six more contacts (out of some 9000 for each station), W3LPL wins.

DX High Power

Hawaii can be either a plus or a minus for contest operation. During the run peaks

Top Ten—DX

Single Operator High Power

KH7R (KH6ND, op)	4,351,074
EA8BH (OH2BH,op)	4,262,853
VP5U (AJ6V,op)	4,043,637
V31JP (K8JP,op)	3,856,620
FG/YL2KL	3,685,407
TM5C (F6ARC,op)	3,380,076
WP2Z (N2NI,op)	3,148,761
J37ZA (K2KQ,op)	3,128,664
G4BUO	3,093,960
V47KP (W2OX,op)	2,767,770

Single Operator Low Power

P40W (W2GD,op)	3,899,097
VP5GA (N2GA,op)	3,586,320
VP9/W6PH	3,017,556
XE1/N6AN	2,199,996
J38A (K4LTA,op)	2,094,960
PJ7/ND5S	1,976,688
EA7GTF	1,686,528
JH4UYB	1,336,680
KH0/JM1LRQ	1,319,310
YO3APJ	1,238,076

Single Operator QRP

LZ7X	961,350
V31AH (W0AH,op)	958,365
LY5A (LY2PAJ,op)	838,368
KL7AC	435,333
DL3KVR	402,375
SP6AYP	336,765
SP5DDJ	333,576
EU8RZ	324,960
I1BAY	300,900
HB9BMY	280,332

10 Meters

EI4BZ	254,619
M0TTT	253,995
G3WVG	235,944
G4TSH/P	232,578
9A5Y	224,967
F5MZN	219,126
S50K	217,710
DL6RAI	215,238
S56M	211,515
OM1CW	206,736

15 Meters

5U9C (I2UTY, op)	345,150
GM3POI	306,033
OH6AC	273,780
SP5GRM	244,260
S51TA	221,781
PI4TUE (PA3EZL,op)	208,506
TI7/N4MO	208,278
YT0A	204,450
OT2H (ON5YR,op)	198,186
4O6A (Z32AF,op)	198,012

20 Meters

OH4A (OH6QU,op)	294,060
OK1RF	281,076
YT9X	272,340
RA1ACJ	267,480
IU9S	233,817
IO4L	230,376
LY6A (LY2BM,op)	194,877
LY9A (LY3BA,op)	178,872
UZ8M (US0MR,op)	159,558
RW9UP	159,384

40 Meters

C6AKQ	229,140
4U1ITU (OM3CGN, op)	195,402
SP2FAX	181,080
HA8IB	163,548
S53M (S53ZO,op)	159,384
OM0M	156,114
S57DX	154,164
GW7X (GW3NJW,op)	151,164
YT7A (4N7DW,op)	146,910
SP4Z	125,628

80 Meters

C6A/K7RE	166,026
G0IVZ	123,255
OT2T (ON4UN,op)	116,316
TM2Y (F5MZN,op)	107,172
YV4GLD	98,010
EA8ZS	94,608
PV8DX	79,866
S59CAB (S57MW,op)	65,661
H6C (YN4SU,op)	63,063
DJ0MDR	59,211

160 Meters

XE2AC	44,100
IK4MGP	13,137
S57M	13,104
HA5JI	9,153
OM5RW	8,352
ON4BR	6,072
F8BPN	4,692
G4OBK	576
UX0IB	504
OM7CW	270

Single Operator Assisted

V26G (N2ED,op)	3,936,000
DK3GI	2,446,386
M0SDX	2,328,339
DK8ZB	2,284,200
OT2L	1,808,325
OH6NIO	1,507,257
G3LZQ	1,281,180
OM5AW	1,168,170
JN2AMD	1,138,371
JY9NX (JM1CAX,op)	1,123,626

Multioperator Single Transmitter

8P9JA	5,133,441
ZF2NT	5,094,336
ZF1A	4,786,950
6D2YFM	4,337,658
PJ2T	4,333,560
KL7Y	3,802,554
T48K	3,409,776
KG4DZ	3,177,366
HG1S	2,861,685
OA4O	2,776,284

Multioperator Two Transmitters

RU1A	3,987,210
9A7A	3,766,008
OH0R	3,765,720
HG6N	3,661,038
ES6Q	3,300,387
RM6A	3,157,272
OL7W	2,961,288
SK3W	2,452,056
UU2JQ	1,933,620
JA1YFG	1,519,746

Multioperator Unlimited Transmitters

MD/DL5AXX	6,063,552
9A1A	5,620,692
JA3YBK	3,568,740
LY7Z	3,503,520
OZ5W	3,341,844
LY7A	2,880,459
LT1F	2,577,390
YZ7A	2,012,310
JA1YPA	1,268,148
M3S	239,592

Plaque Winners

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

Plaque Category	*Winner*	*Plaque Sponsor*
W/VE Single Operator High Power CW	K5ZD (W4PA, op)	Frankford Radio Club
W/VE Single Operator Low Power CW	W1UK	Dauberville DX Association
W/VE Single Operator QRP CW	KG9X	Tod Olson, K0TO
W/VE Single Operator Assisted CW	K3WW	Pete Carter, K3VW Memorial
W/VE 3.5 MHz CW	W1MK	SM3DMP
W/VE 7 MHz CW	KT3Y	Northern Arizona DX Association
W/VE 14 MHz CW	W7WA	QSLs by W4MPY
W/VE 21 MHz CW	N2MF	Carl Luetzelschwab, K9LA
W/VE 28 MHz CW	W4ZV	Green River Valley, IL ARS
W/VE Multioperator Single Transmitter CW	K8AZ	Northern Illinois DX Association
World Single Operator High Power CW	KH7R (KH6ND, op)	North Jersey DX Association
World Single Operator Low Power CW	P40W (W2GD, op)	Jim Stevens, K4MA
World Single Operator QRP CW	LZ7X	Jerry Griffin, K6MD
World Single Operator Assisted CW	V25G (N2ED, op)	Willamette Valley DX Club
World 1.8 MHz CW	XE2AC	In Memory of DL1FF
World 7 MHz CW	C6AKQ	Faisal Al Ajmi
World 28 MHz CW	EI4BZ	Ft Wayne DX Association
World Multioperator Two Transmitter CW	RU1A	Tom De Meiss K2TD Memorial
World Multioperator Unlimited CW	MD/DL5AXX	H Stephen Miller, N0SM
Single Operator Asia CW	JH5FXP	Alamo DX Amigos
Single Operator Europe CW	TM5C (F6ARC, op)	Jerry Griffin, K6MD
Single Operator North American CW	VP5U (AJ6V, op)	Potomac Valley Radio Club
Asian Multioperator Single Transmitter CW	JR3NZC	Yankee Clipper Contest Club
Europe Multioperator Single Transmitter CW	HG1S	The Radio Place
North America Multioperator Single Transmitter CW	8P9JA	Gary Stilwell, KI6T, and Glenn Stilwell, WR6O
Europe Multioperator Two Transmitter CW	9A7A	Jim George, N3BB
Caribbean Multioperator Single Transmitter CW	ZF2NT	The YASME Foundation
Europe Multioperator Unlimited CW	9A1A	Texas DX Society
Japan Low Power All Band CW	7L4IOU	Western Washington DX Club
Ninth Call Area All Band CW	W9RE	Northern Illinois DX Association
Seventh Call Area All Band CW	W7GG	Willamette Valley DX Club
Central Division High Power All Band CW	N9CK	Society of Midwest Contesters
Central Division Multioperator Single Transmitter CW	WN9O	Society of Midwest Contesters
Rocky Mountain Division Single Operator Low Power CW	K0RI	Grand Mesa Contesters of Colorado

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

for ARRL DX CW, the vast majority of North America is looking to Europe and the Caribbean, making North American runs not terribly easy from KH6 for many hours during the contest. To win from west of NA requires tenacity and skill!

2002 turned out to be a "plus" year for Hawaii and KH7R operator Mike Gibson, KH6ND. Mike keyed his way to 4291 QSOs for a score of 4,351,074 and victory over second place finisher Martti Laine, OH2BH, operating from his world-class station at EA8BH and posting a final score of 4,262,853. This is the first single op, high power ARRL DX CW win from the Pacific since 1971.

Ed Radlo, AJ6V, accepted the Caribbean challenge and took third place in the category from VP5U and was the top North American finisher with a score of 4,043,637. TM5C was operated by Joseph Cornee, F6ARC, and was the top European finisher and sixth place overall. Satoshi Hara, JH5FXP, was tops among Asian participants and Eduardo Schmidt, OA4SS, finished first among South American participants.

DX Low Power

John Crovelli, W2GD, made his umpteenth journey to the scenic isle of Aruba to operate P40W to a first place finish in the Low Power category. His score of 3,899,097 would have been good enough for a #4 High Power placing and sets the new South America continental record for a Low Power entrant.

Following John at the top was Kurt Pauer, who was the operator for VP9/W6PH and was tops among North American participants. The top European station was Manuel Osorio, EA7GTF, who finished seventh overall while Masaki Okano, JH4UYB, was the top Asian participant, finishing eighth. The continental winners were completed by Nobuyuki Arai, KH0/JM1LRQ, in ninth place with the top Oceania score and Jacques Saget, F6BEE, operating CN2JS from Africa.

DX QRP

The QRP category saw a close race between Dimitar Raitchev, LZ7X, and Doug Allen, W0AH, operating V31AH. LZ7X made 1450 QSOs for a 961k score, just enough to squeeze by V31AH at 958k. They were the European and North American continental winners. 3V8SM, operated by Carsten Esch, DL6LAU, was the top African station in the category while Hisami Dejima, 7L4IOU, posted the winning score from Asian stations. The Oceania winner was Dale Law, who operated as DU7/N7ET, while the top South American score was posted by Alex Correia, PY1KS.

DX Single Assisted

Single Operator Assisted category saw Ed Wlodarski, N2ED, operate from

Antigua as V26G and come in with a runaway victory at just shy of 4 million points. Ed was the top North American in the category. There was a close race for the next three spots with Roland Mensch, DK3GI, taking top European honors and edging out Sergey Rebrov, MØSDX, and Barney Bandrack, DK8ZB. All three finished in the vicinity of 3 million with only 150k separating them. Satomi Yamauchi, JN2AMD, was the top finisher in the category among Asian stations and finished ninth overall.

DX Single Band

Victories in the single band categories were notched by Luis Delgadillo, XE2AC, on 160, Brian Kassel, C6A/K7RE, on 80, Bob Patten, C6AKQ (N4BP), on 40, Jari Koski, OH4A (OH6QU), on 20, Paolo Cortese, 5U9C (I2UIY), on 15, and Dave Moore, EI4BZ, on 10. A total of 475 single band entries were received from among the 1240 DX logs received—a remarkable 38% of all DX entries.

DX Multi-Op Categories

In the DX multi-single category it came down to a close race between a pair of two-man operating teams in the Caribbean. Jim Stevens, K4MA, and Will Roberts, AA4NC, operating from Barbados as 8P9JA were able to maintain their edge in the claimed scoring to take the victory. Second place finishers Bruce Sawyer, N6NT, and Rick Tavan, N6XI, operated from Bruce's house in the Cayman Islands as ZF2NT. The 11 additional multipliers worked by 8P9JA led to win by a score of 5,133,441 to 5,094,336. The PJ2T team was the top score in South America and placed fifth overall in the category. HG1S was the top score from Europe while JR3NZC posted the highest score from Asia.

DX Multi-Two featured a close race… at least after the leader. It was the Russian team of RU1A (including WRTC-2002 silver medallist RV1AW on the operator list) who will take home top honors with a fine 3.98 million point effort. The race began at the #2 and #3 positions, with 9A7A edging out the group at OHØR in the Åland Islands by a margin of less than one QSO to take second place. The team at JA1YFG was the top non-European finisher, winning Asian continental honors.

The Germans on the Isle of Man are this year's DX multi-multi category winner, operating MD/DL5AXX to a solid victory over 9A1A for top European honors by a score of 6,063,552 to 5,620,692. JA3YBK's 3,568,740 score was good for third place and the top score from Asia. Finally, the team manning LT1F had a score of 2,577,390 and was the top reporting team from South America.

Coda

As the sunspot cycle declines, it is interesting to follow the discussion in the contest community about whether we have reached the golden era of radio contesting. Scoring and participation levels have never been higher. Band conditions for the last three years have been superb. Most importantly, enthusiasm is infectious. Be positive, set a good example, and let all of us enjoy the sport of contesting for many years to come. The 2003 ARRL International DX CW contest will be held February 15-16. See you next year!

Scores

Scores are listed by DXCC Entities and ARRL/RAC Sections. Within each Entity or Section, scores are listed in descending order, by power categories, followed by multi-operators. Line scores list call sign, score, QSOs, multipliers, power (A = QRP, B = Low Power, C = High Power), and band (if single band entry).

CW

W/VE

Single Operator

1

Connecticut

N1TM	408,408	616	221	A	
K1ZE	134,100	298	150	A	
K1RFD	64,440	179	120	A	
W1UK	3,123,012	2683	388	B	
VA3PL	140,640	293	160	B	
W3TB	9,450	75	42	B	
N1KB	3,906	42	31	B	
K1ZZ	5,045,175	3957	425	C	
W1WEF	4,854,462	3686	439	C	
KQ2M	4,283,928	3606	396	C	
NT1N	1,767,780	1610	366	C	
K1VDF	1,241,391	1717	241	C	
K1RM	646,425	1105	195	C	
AK1N	533,970	698	255	C	
N1JW	204,828	404	169	C	
WY1U	157,035	361	145	C	
K1PX	74,112	386	64	C	80
WA1FCN	217,959	749	97	B	15

Eastern Massachusetts

K1VUT	2,751,960	2584	355	B	
K1VR	2,203,350	1985	370	B	
W1WAI	1,612,524	1619	332	B	
K1HT	1,181,178	1266	311	B	
N1DC	987,651	1281	257	B	
WG1Z	714,168	872	273	B	
N3KCJ	639,768	874	244	B	
N1DS	404,976	649	208	B	
W1TE	387,945	555	233	B	
WB1FLA	160,920	360	149	B	
KQ1F	109,272	314	116	B	
W1TW	107,184	232	154	B	
KR1B	102,060	315	108	B	
KY1B	84,294	223	126	B	
WA1OLV	22,080	115	64	B	
AA1ON	1,849,002	1766	349	C	
K1GU	1,333,443	1517	293	C	
N1AU	530,796	623	284	C	
W1FM	79,296	236	112	C	
NF1A	44,616	143	104	C	
W1MK	258,315	1013	85	C	80

Maine

KA1IS	1,328,547	1397	317	B	
W1AH	801,270	921	290	B	
K1SWG	121,275	275	147	B	
N1LW	98,643	251	131	B	
K1PQS	946,344	1204	262	C	
K1QS	64,944	246	88	C	20
KØZK	2,673	33	27	A	10

New Hampshire

AA1CA	500,175	675	247	A	
KN1H	64,176	191	112	A	
WA1Z	511,872	688	248	B	
AE1T	256,128	464	184	B	
KB1T	220,800	368	200	B	
AE1D	98,643	251	131	B	
K1NH	65,550	230	95	B	
W1DAD	1,794	26	23	B	
K1DG	5,629,746	4027	466	C	
KR1G	4,123,548	3471	396	C	
WC1M	2,809,170	2730	343	C	
K2TE	1,847,973	1861	331	C	
KC1F	1,805,364	2134	282	C	
W1ECT	1,615,050	1850	291	C	
K1BV	576,612	1124	171	C	
K1BD	176,823	333	177	C	
WE1USA (WA1LNP,op)					
	447,480	1356	110	B	20
KA1API	2,952	41	24	A	20
W1END	92,400	400	77	B	10
KG1V	26,871	169	53	B	10

Rhode Island

KS1J	2,898,252	2597	372	B	
K1VSJ	1,506,492	1508	333	B	

Vermont

W1SA	52,020	204	85	A	
K8EP	2,213,562	2183	338	B	
K1IB	595,140	910	218	B	
W1ECH	265,500	500	177	B	
K1KU	122,181	293	139	B	
W1ZK	1,078,734	1103	326	C	

Western Massachusetts

W1KT	600,660	705	284	B	
K5ZD (W4PA,op)					
	6,173,244	4454	462	C	
KV1W	41,850	150	93	C	
N1RL	96,789	419	77	B	40

2

Eastern New York

W2ENY	109,200	280	130	A	
W2QYA	22,425	115	65	A	
AI2L	300,228	508	197	B	
KE2I	58,464	174	112	B	
KC2WA	49,140	156	105	B	
N2SQW	40,131	147	91	B	
NA2NA	18,048	94	64	B	
K2ZVI	17,622	89	66	B	
K2RI	12,144	88	46	B	
W2XL	2,571,360	2435	352	C	
WE2F	1,898,460	1990	318	C	
K2BX	748,800	768	325	C	
NA2M	417,009	607	229	C	
WX2N	46,989	227	69	B	15

NYC-Long Island

WA2VZQ	357,435	611	195	B	
N2GC	2,415,660	2119	380	C	
WB2TPS	568,227	737	257	C	
WB2AMU	46,782	226	69	B	40
K2MFY	214,032	686	104	B	10

Northern New Jersey

K2DM	1,375,836	1489	308	A	
K2JT	385,710	598	215	A	
W2JEK	44,436	161	92	A	
N2NT (LU9AY/W2,op)					
	2,836,095	2663	355	B	
W2CVW	186,624	384	162	B	
N2KPB	142,128	282	168	B	
N2LK	136,500	325	140	B	
WA2VQF	110,160	270	136	B	
K2YLH	7,920	55	48	B	
WA2NXK	588	14	14	B	
N2LT	4,202,109	3359	417	C	
WA2VYA	2,099,916	1923	364	C	
W2UDT	351,216	542	216	C	
K2JAY	166,251	367	151	C	
WA4ATJ	64,680	196	110	C	
K2WJ	34,272	204	56	C	40
KX2S	37,026	187	66	B	20
AE2JL	45,000	250	60	B	15
NA2U	305,760	980	104	A	10
N2GM	157,077	563	93	B	10
N2CG	59,625	265	75	B	10

Northern New York

N2JNZ	201,411	417	161	A	
WZ2T	126,900	300	141	A	
NS2P	548,334	743	246	B	
NT2W	71,760	208	115	B	
K2CC (KC2BMG,op)					
	11,376	79	48	B	
K3KYR	38,592	192	67	B	40

Southern New Jersey

WK2G	1,218,216	1544	263	B	
WA2VQV	470,475	697	225	B	
K2UR	314,577	549	191	B	
W2OB	297,606	514	193	B	
K2VT	153,057	313	163	B	
WA2IAU	70,035	203	115	B	
K2MK	68,400	228	100	B	
W2ESX	65,565	235	93	B	
AD3Y	38,250	150	85	B	
N2MR	1,353,387	1561	289	C	
K2OWE	456,228	667	228	C	
K2UT	316,764	419	252	C	
N2RF	42,834	242	59	B	10
K2SWZ	4,092	44	31	C	10

Western New York

W2TZ	2,146,887	2111	339	B	
K2KIR	1,782,801	1753	339	B	
WA2YSJ	506,352	616	274	B	
WA2EYA	478,170	770	207	B	
WB2HJV	272,175	475	191	B	
W2EZ	242,352	459	176	B	
N2CK	152,760	380	134	B	
KV2X	54,279	163	111	B	
W2DXE	33,147	127	87	B	
K2UA	4,789,530	3942	405	C	
W2FU	3,275,250	2750	397	C	
K2NV	2,151,846	1998	359	C	
KU2N	677,160	792	285	C	
KA2MGE	647,220	805	268	C	
KE2WY	538,230	770	233	C	
W2LC	517,752	918	188	C	
W2FUI	305,319	469	217	C	
W2VO	3,690	41	30	C	160
NA2X	11,844	84	47	C	80
K2FA (KA2KQP,op)					
	13,200	100	44	B	40
WB2DVU	172,800	640	90	B	20
N2MF	631,344	1879	112	C	15

3

Delaware

N9GG	26,100	116	75	B	
AA1K	5,172,453	4019	429	C	

Eastern Pennsylvania

KB3TS	294,273	519	189	A	
KT3A	25,875	115	75	A	
NY3A	1,951,932	2291	284	B	
K3PH	1,872,729	1909	327	B	
K3NK	1,308,312	1346	324	B	
KB3MM	1,100,748	1076	341	B	
N4XU	894,720	1165	256	B	
WF3M	856,020	1297	220	B	
K3OX	629,622	798	263	B	
N3AS	391,248	572	228	B	
WA3IIA	370,182	599	206	B	
K3VA	282,462	526	179	B	
WQ3E	244,728	412	198	B	
NE3H	108,966	286	127	B	
NU3Z	108,135	267	135	B	
W3BEN	106,488	261	136	B	
N3NZ	102,555	265	129	B	
N3RW	65,520	210	104	B	
K3CC	49,896	168	99	B	
K3MD	2,492,124	2141	388	C	
K3WU	1,850,790	1910	323	C	
KF3B	1,265,418	1743	242	C	
N3KR	880,008	991	296	C	
W3BYX	791,979	901	293	C	
N3RJ	671,895	945	237	C	
W3KV	362,250	575	210	C	
K4JLD	271,953	451	201	C	
K3QIA	206,550	405	170	C	
W3RJ	192,942	397	162	C	
W3IZ	168,642	347	162	C	
W3FVT	144,144	336	143	C	
K3JJG	10,998	78	47	C	160
N3DL	54,600	260	70	B	80
K3SV	30,447	199	51	C	80
WY3T	78,003	321	81	C	20
WA3AAN	37,200	200	62	B	15
NE3I	19,470	118	55	B	15
K3NL	10,440	87	40	B	10

Maryland-DC

K3TW	86,784	226	128	A	
W3EF	1,211,184	1294	312	B	
W3UJ	989,520	1178	280	B	
W3IUU	640,452	1007	212	B	
W3ZZ	485,856	723	224	B	
NG3K	480,702	709	226	B	
W3CP	469,908	684	229	B	
K1EFI	445,419	611	243	B	
N3WT	423,060	641	220	B	
N3OA	399,255	619	215	B	
NS3T	385,560	540	238	B	
N3ND	379,974	581	218	B	
KE3VV	307,800	513	200	B	
W3DAD	249,711	517	161	B	
W3UT	196,344	404	162	B	
AI3M	133,623	303	147	B	
W3/OM2KI	95,589	247	129	B	
W6NRJ	72,240	215	112	B	
W3FQE	63,720	236	90	B	
W3DOS (K3TW,op)					
	30,996	126	82	B	
KF3CV	28,896	112	86	B	
W3DQ	12,993	71	61	B	
K3ZO	4,298,823	3761	381	C	
K3ZZ	1,666,800	1852	300	C	
N3UM	1,236,363	1567	263	C	
K3UG	245,784	392	209	C	
W2CDO	80,154	219	122	C	
AE3M	10,701	87	41	B	20
W3EWL	105,336	418	84	A	15
WR3L	165,132	556	99	B	10
W3GN	2,544	53	16	C	10

Western Pennsylvania

K3WWP	385,497	633	203	A	
AA3GM	55,944	168	111	A	
WB3DPS	33,930	130	87	A	
N3FR	1,437,780	1546	310	B	
WO3Z	870,000	1000	290	B	
AD8J	660,240	840	262	B	
AA3LX	470,934	513	306	B	
N3GJ	349,650	555	210	B	
WA3SES	183,912	388	158	B	
K3FH	31,500	125	84	B	
K3CR (LZ4AX,op)					
	4,446,192	3376	439	C	
W3IQ	836,256	992	281	C	
K3GW	658,383	781	281	C	
KM3J	32,103	123	87	C	
WN3VAW	6,372	59	36	B	80
WW3S	276,450	970	95	B	10

4

Alabama

N4KG	1,288,950	1322	325	A	
K4NVJ	19,278	102	63	A	
K4AGT	41,172	146	94	B	
W4NTI	13,416	104	43	C	40
K4WI	425,418	1447	98	C	10

Georgia

WB6BWZ	45,954	138	111	A	
K4OGG	1,908,987	2033	313	B	
N8LM	737,586	942	261	B	
N4NX	708,339	731	323	B	
AE4Y	193,500	375	172	B	
K4GA	98,892	246	134	B	
KG4PYM	57,810	205	94	B	
KT4Q	29,346	134	73	B	
W4RHG	74,151	231	107	C	
K4TEA	11,844	84	47	C	160
AA4LR	21,900	146	50	B	15
K6EID	135,204	593	76	B	10

Kentucky

K4AO	885,105	1105	267	B	
K4DZM	116,022	317	122	B	
K4BAM	58,410	177	110	B	
WR4F	38,493	141	91	B	
WB4DZU	306,936	504	203	C	
K4IE	12,696	92	46	B	80
KA4JMZ	7,998	62	43	B	80
W5MX	550,278	1609	114	C	20

North Carolina

WA4CIT	14,457	79	61	A	
N4YDU	2,095,047	2001	349	B	
WJ9B	1,569,780	1710	306	B	
WA4DOU	581,040	807	240	B	
K4QPL	448,230	670	223	B	
K4MWB	331,362	449	246	B	
NX9T	154,440	330	156	B	
N4QVM	94,815	215	147	B	
KZ2I	63,963	207	103	B	
N4CAP	17,484	94	62	B	
N2BT	6,345	47	45	B	
KO7X	886,893	1099	269	C	
NW6S	866,880	903	320	C	
N4AA	487,188	694	234	C	
KW4DA	328,860	812	135	C	
N4UH	255,732	422	202	C	
AD4L	83,850	215	130	C	
W4IDX	37,014	199	62	B	40
N4IJ	63,450	282	75	B	20
AE4EC	8,370	62	45	B	15
W4ZV	671,652	2073	108	C	10
K4EYE	13,572	87	52	A	10

Northern Florida

KQ4YY	2,106	27	26	A	

W4AA	1,507,554	1373	366	B	
NF4A	739,518	998	247	B	
KN4Y	315,675	575	183	B	
KB4ET	171,855	285	201	B	
W4YA	129,504	284	152	B	
KB4N	114,480	265	144	B	
NN4DF	83,814	229	122	B	
K4LW	21,312	96	74	B	
AD4E	4,464	48	31	B	
W7QF	69,345	201	115	C	
W4VQ	34,968	188	62	C	80
N4PN	346,626	1179	98	C	40
ND4AA	112,488	436	86	B	10
KE1F	1,122	22	17	B	10

South Carolina

K4DLJ	1,500,912	1489	336	C	
W3VT	1,122,492	1162	322	C	
KØCOP	59,388	196	101	C	
N2FY	44,676	204	73	C	40
W4HGW	68,154	307	74	B	15
W2EA (N2FY,op)	24,462	151	54	C	10

Southern Florida

NA4CW	840,465	983	285	A	
W4/VE3BUC	86,178	271	106	B	
N4PSE	64,176	191	112	B	
WT5L	52,128	181	96	B	
WB2QLP	48,822	206	79	B	
K4ZT	46,629	157	99	B	
W4OV	37,062	142	87	B	
W4SAA	1,316,658	1363	322	C	
N4QV	310,416	446	232	C	
AF4RK	270,630	485	186	C	
KG4FSN	108	6	6	A	20

Tennessee

W9WI	806,607	1007	267	A	
NU4B	265,980	403	220	A	
N4UW	210,000	400	175	A	
K4BX	53,025	175	101	A	
N4ZZ	2,549,385	2715	313	B	
WO4O	1,748,016	1592	366	B	
NA4K	786,432	1024	256	B	
AA3VA	253,080	555	152	B	
WD4OHD	114,669	279	137	B	
W4HZD	109,224	246	148	B	
W4NI	66,267	199	111	B	
W4AUI	45,000	150	100	B	
K4BP	29,766	121	82	B	
W4DNZ	24,642	111	74	B	
KØEJ	3,398,094	3129	362	C	
N4IR	377,406	723	174	C	
W4OGG	24,570	117	70	C	
KE4OAR	5,382	46	39	C	
W4NZ	14,400	120	40	C	40
NY4N	1,404	26	18	B	15

Virginia

WB3BEL	551,070	785	234	A	
WD4GBW	142,350	365	130	A	
K3SS	115,902	282	137	A	
N4UY	88,536	217	136	A	
K7SV	2,901,756	2314	418	B	
K4EU	1,276,275	1309	325	B	
K4FPF	1,062,720	1080	328	B	
K4MX	855,624	926	308	B	
W4HM	759,510	873	290	B	
K6ETM	166,320	360	154	B	
KG6ZR	96,390	255	126	B	
N4MM	45,672	173	88	B	
K4ITV	44,745	157	95	B	
K3MZ	28,980	115	84	B	
WR3Z	2,181,036	2132	341	C	
W4YE	1,392,147	1377	337	C	
W4BQF	717,696	1068	224	C	
W2YE	518,418	694	249	C	
WD4GOY	76,176	184	138	C	
KT3Y	388,194	1334	97	C	40
K4OAQ	512,550	1675	102	C	15
WF3J	321,912	1052	102	C	15
K4YT	33,015	155	71	C	10
N3JT	10,080	96	35	B	10
K4AEN	1,782	27	22	A	10

West Central Florida

N4IG	1,486,854	1462	339	B	
K4GKD	1,403,568	1368	342	B	
W1CSM/4	264,153	461	191	B	
KA6R	969	19	17	B	
N4AO (WC4E,op)	2,674,848	2533	352	C	
K5KG	40,194	154	87	C	
WN4DX	14,388	109	44	B	15
K9HUY	32,424	193	56	B	10
WA2NDP	675	15	15	B	10

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Arkansas

W5RZ	154,440	330	156	A	
W5MK	75,816	234	108	B	
KB5MSN	2,835	35	27	C	
WA5SOG	4,935	47	35	C	40
K5NX	40,986	198	69	B	15

Louisiana

W5WZ	3,108	37	28	A	
K5KLA	945,630	1106	285	B	
KM5YL	221,760	385	192	B	

Mississippi

W5KK	162,756	274	198	B	
W5LEW	43,362	146	99	B	
N5FG	1,320	22	20	C	160
AC5SU	44,154	223	66	B	10

New Mexico

K7IA	13,833	87	53	A	
N5MF	774,567	967	267	B	
W5YZ	363,132	524	231	B	
N5KH	27,594	146	63	C	
W5JRP	37,200	200	62	B	20

North Texas

WA8ZBT	341,430	599	190	A	
WØUO	1,694,046	1618	349	B	
WD5K	1,326,750	1450	305	B	
K5WO	922,488	1156	266	B	
W5RYA	451,704	649	232	B	
N5CHA	339,000	500	226	B	
N1CC	277,704	456	203	B	
NN5T	231,120	428	180	B	
N5RG	2,068,101	1931	357	C	
N5PO	1,353,456	1446	312	C	
N8SM	1,225,602	1491	274	C	
K5RA	646,356	883	244	C	
W5SQA	19,836	116	57	C	
K5MR	523,050	1585	110	C	15
AB5C	23,436	124	63	B	15
K5RX	558,252	1723	108	C	10
N5JR	157,596	571	92	C	10
W5EIJ	20,022	142	47	B	10

Oklahoma

KØCIE	489,780	907	180	B	
AA5CK	32,880	137	80	B	
K5YAA	2,150,610	2090	343	C	
W5TM	4,896	51	32	C	80
W5AO	267,840	960	93	C	40

South Texas

KG5U	377,784	636	198	A	
K5NZ	81,432	261	104	A	
N5AW	2,074,500	1844	375	B	
W5AC (KD5KQN,op)	534,600	825	216	B	
N5XZ	352,692	582	202	B	
KA5KLU	302,103	501	201	B	
AC5AA	277,056	416	222	B	
AD6G	164,220	340	161	B	
WA5SNL	70,224	209	112	B	
K5GM	62,622	213	98	B	
N5PV	34,524	137	84	B	
AC5XK	25,272	117	72	B	
NO5W	11,544	74	52	B	
KD5MJJ	1,380	23	20	B	
WA4PSO	27	3	3	B	
K5GN	4,628,520	3588	430	C	
K5NA	3,295,512	3212	342	C	
N3BB	3,241,224	3052	354	C	
AD5Q	2,755,380	2417	380	C	
K5YA	2,636,928	2616	336	C	
K6VO (K6NR,op)	1,275,444	1497	284	C	
K1TU	167,334	334	167	C	
NX5M	3,108	37	28	C	160
W5GAI	38,184	172	74	B	10
WX5I	23,904	166	48	B	10
KQ5U	12,402	106	39	A	10

West Texas

NZ5M	4,557	49	31	B	15

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East Bay

WZ6Z	245,616	476	172	A	
KA6SGT	4,560	40	38	A	
KE6QR	55,776	224	83	B	
K6LDX	27,144	116	78	B	
KK6F	67,284	252	89	C	
KG6EFU	9,408	98	32	C	10

Los Angeles

NK6A	112,167	309	121	A	
K6TV	49,662	186	89	A	
K6CEO	108,672	283	128	B	
WA6BOB	35,760	149	80	B	
K6NT	21,840	140	52	B	
N6AA	1,590,180	1559	340	C	
WO6M	637,200	885	240	C	
N6TW	555,588	759	244	C	
K6SE	231,699	457	169	C	
W6KC	51,510	170	101	C	
KU6T	7,344	72	34	B	40
N6IC	59,274	267	74	C	15
AI6Z	24,174	158	51	B	10

Orange

W6GA	66,744	206	108	A	
N6MJ	2,169,540	2127	340	B	
WA6OGO	199,080	420	158	B	
W6EEN (N6RT,op)	3,048,192	2688	378	C	
N6HC	693,129	899	257	C	
W6SA	299,400	499	200	C	
K6HRT	56,355	221	85	C	
K6CU	3,762	57	22	B	80
W7TI	4,056	52	26	C	20
WB6NL	3	1	1	B	20
W6KK	110,112	496	74	C	10

Santa Barbara

WA6FGV	325,260	556	195	B	
W6UM	753,102	834	301	C	
WA5VGI	652,674	899	242	C	
W7CB	15,912	102	52	C	
W6KNB	3,510	39	30	C	20
KA6WZR	1,215	27	15	B	15
AA6EQ	37,455	227	55	B	10

Santa Clara Valley

W6IO	106,680	280	127	A	
W6JD	84,495	215	131	A	
K8PO	2,333,028	2461	316	B	
N6NF	904,797	1081	279	B	
N6EM	406,890	685	198	B	
N7FF	104,904	372	94	B	
KN6OZ	19,662	113	58	B	
N6TV	2,312,640	2336	330	C	
K6GT	250,068	458	182	C	
W6ISQ	76,593	211	121	C	
K6III	19,872	138	48	A	15
NU6S	202,065	709	95	B	10

San Diego

W6QU (W8QZA,op)	531,738	774	229	A	
W6JVA	115,071	317	121	A	
WN6K	492,285	887	185	B	
AA6EE	75,168	232	108	B	
K2RP	22,143	121	61	B	
N7CW	1,193,400	1275	312	C	
W6MVW	507,276	693	244	C	
AK6R	53,040	272	65	B	20
WA6PY	3,822	49	26	B	20
K7JJ	109,809	441	83	C	15
W6YA	408,912	1217	112	C	10

San Francisco

W6JTI	710,946	933	254	A	
KQ6NN	101,094	406	83	B	
W6IYS	78,120	248	105	B	
WW6D	48,618	222	73	B	
KØKL	33,507	153	73	B	
K6OWL	25,428	163	52	B	
K6CTA	15,660	87	60	B	
K1EP/6	11,070	82	45	B	
AD6TF	351,840	733	160	C	
W6WB	107,640	260	138	C	

San Joaquin Valley

W6RCL	4,002	58	23	A	
AK7G	179,010	390	153	B	
NT6K	126,246	397	106	B	
W6FRH	31,302	141	74	C	
N6HK	32,763	163	67	B	15
KA6BIM	238,548	772	103	C	10

Sacramento Valley

KC9C	10,293	73	47	A	
W6RFF	284,931	549	173	B	
N6JV	1,219,092	1262	322	C	
W6FA	525,030	814	215	C	
W6NKR	305,067	511	199	C	
K6LRN	245,916	396	207	C	
W6EU	112,455	255	147	C	
K1LU	2,232	31	24	C	
K6TA	203,964	739	92	C	40
W6RKC	67,725	301	75	C	15
K6RN	47,880	190	84	C	15
WX6V	123,006	494	83	B	10

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Arizona

N7IR	795,795	1001	265	A	
NQ7X	111,708	321	116	A	
N3AIU	506,430	662	255	B	
N7CPL	209,430	390	179	B	
W7ZMD	140,304	316	148	B	
K6OP	116,340	277	140	B	
W7KQZ	53,286	214	83	B	
K7TR	31,284	132	79	B	
WA7KJC	7,056	56	42	B	
W7HX	2,898	42	23	B	
KC7V	2,088,030	2135	326	C	
KN5H	600,732	814	246	C	
W7YS	553,212	762	242	C	
K7HP	148,104	363	136	C	
KD7GGZ	90,072	216	139	C	
W2HTX	59,697	201	99	C	
W7DD	18,963	129	49	C	80
KJ7WY	10,692	99	36	C	80
N7KU (NJ6D,op)	449,400	1400	107	C	10
W7ZR	255,543	827	103	B	10
W7AYY	6,549	59	37	C	10

Eastern Washington

K7MM	521,796	737	236	A	
W7GB	15,300	100	51	B	
N7YRT	13,038	82	53	B	
KC7WUE	6,885	51	45	B	
W7LGG	40,788	206	66	C	40
K7OX	40,356	236	57	C	40

Idaho

N7ZN	356,820	626	190	B	
KK7X	271,206	494	183	B	
W7LAR	265,167	483	183	B	
W7QDM	208,662	419	166	B	
AB7YB	157,986	402	131	B	
KA7T	250,425	525	159	C	
KØIP	78,234	221	118	C	
K7TQ	23,328	144	54	A	15

Montana

KE7NO	355,350	515	230	B	
N7CZ	30,885	145	71	B	
W7KBF	798	19	14	B	
N7DXY	240	10	8	B	
KS7T	558,885	1007	185	C	
KC7UP	280,314	522	179	C	
K7ABV	123,372	447	92	C	20
K7BG	375,813	1347	93	C	10

Nevada

WA7CWM	374,796	718	174	C	
WW7Q	12,285	105	39	C	

Oregon

N7OU	725,040	1007	240	A	
W7YAQ	1,627,500	1550	350	B	
KI7Y	734,568	964	254	B	
N7VS	61,662	239	86	B	
W7GG	2,813,517	2627	357	C	
K7MI	2,484,645	2333	355	C	
W2VJN	1,452,654	1323	366	C	
WA7LT	1,402,632	1771	264	C	
K7ZZ	1,334,199	1691	263	C	
N6TR	300	10	10	C	
KA7FEF	4,410	70	21	B	10

Utah

W7HS	318,528	553	192	B	
KE7NS	302,904	601	168	B	
N7IF	234,378	449	174	B	
W7UT	386,640	1074	120	C	15
W8EQA/7	25,752	148	58	A	15

Western Washington

K7ED (WAØRJY,op)	1,248,156	1524	273	B	
N7LOX	852,891	1151	247	B	
AC7LX	610,740	870	234	B	
K1LKR	293,949	513	191	B	
AB7RW	244,296	468	174	B	
KB7N	208,302	466	149	B	
NG7Z	184,899	431	143	B	
W7GTO	138,510	342	135	B	
K7VI	100,368	272	123	B	
N7XY	35,757	137	87	B	
W7LKG	13,905	103	45	B	
AA7VT	12,282	89	46	B	
N6HR	1,158,738	1174	329	C	
W7VJ	989,196	1492	221	C	
W7IIT	351,909	641	183	C	
W7GSW	314,130	566	185	C	
W7DRA	2,652	52	17	C	80
W7WA	590,208	1856	106	C	20
K7QQ	376,200	1254	100	C	10
KD7GTI	153,252	594	86	B	10

Wyoming

WC7S	46,800	156	100	A	
NE9Z	296,448	386	256	C	

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Michigan

K8SIA	244,992	352	232	A	
KC8LTL	28,272	124	76	A	
N8KV	4,914	63	26	A	
K8IR	907,758	1073	282	B	
K8RS	406,404	639	212	B	
K8AAX	249,711	517	161	B	
K8KU	230,136	446	172	B	
KB8PGW	203,940	412	165	B	
N8NX	58,800	196	100	B	
KO8S	31,950	150	71	B	
K8KHZ	17,745	91	65	B	
W8WVU	16,500	100	55	B	
N8VEN	3,762	38	33	B	
K8GL	3,624,147	2897	417	C	
W8UD	543,228	812	223	C	
WA8LCZ	155,601	339	153	C	
K8YTO	107,124	226	158	C	
K8MD	28,800	160	60	C	
W8TOP (W8UVZ,op)	14,076	92	51	C	160
K8AQM	67,308	316	71	C	80
K3XXX (K8BK,op)	50,808	232	73	B	40
WA8RTP	23,814	147	54	C	40
W8TWA	126,063	483	87	C	20
AA8U	8,178	58	47	A	20
N8XMS	2,277	33	23	A	20
K8GVK	21,300	142	50	B	15
WA8OLD	15,369	109	47	B	15

Ohio

W8VE	331,905	545	203	A	
WV9N	52,632	172	102	A	
AA8IV	28,968	142	68	A	
NU8S	15,180	92	55	A	
N8AA	2,559,609	2171	393	B	
KV8Q	1,175,328	1272	308	B	
KE8M	588,354	794	247	B	
KG8DH	485,325	719	225	B	
AF8A	439,128	642	228	B	
W8IDM	363,780	564	215	B	
W8PN	361,746	638	189	B	
W8GOC	254,220	446	190	B	
WQ8Q	215,424	408	176	B	
N8XP	198,000	440	150	B	
K8NVR	123,540	290	142	B	
N8EW	107,778	253	142	B	
W8AN	57,024	198	96	B	
AF8C	10,125	75	45	B	
K8DX	2,459,436	2546	322	C	
KU8E	1,023,000	1100	310	C	
N8MZ	525,048	668	262	C	
W8FT (AA8UP,op)	336,798	1134	99	C	15
NG3Q	135,636	508	89	B	15
N9AG	594,243	1693	117	C	10

West Virginia

K5IID	1,201,113	1263	317	B	
N4ZR	3,313,152	2876	384	C	
K3JT	1,240,095	1759	235	C	
K2UOP	365,940	535	228	C	
K8KFJ	10,062	78	43	C	80
K8OWL	17,493	119	49	C	10

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Illinois

KG9X	1,830,375	1627	375	A	
W9SE	610,722	786	259	A	
W9JUV	328,440	595	184	A	
N9IJ	100,584	264	127	A	
WB9MII	5,400	50	36	A	
K9MMS	1,095,300	1217	300	B	
K9JE	426,906	641	222	B	
K9OR	305,505	465	219	B	
KYØQ	278,640	540	172	B	
N9BOR	171,150	350	163	B	
W9YS	151,680	316	160	B	
W9SZ	142,695	315	151	B	
K9XE	136,512	316	144	B	
K9KM	110,559	269	137	B	
WB9UGX	106,449	259	137	B	
W9YO	97,875	225	145	B	
K9PPW	85,680	204	140	B	
K9IJ	83,538	221	126	B	
N9MZP	79,650	225	118	B	
AA9NF	62,964	198	106	B	
W3HDH	62,415	219	95	B	
K9OZ	58,743	183	107	B	
WA9FIH	57,408	184	104	B	
W9DY/M	46,452	158	98	B	
W9AX	42,864	152	94	B	
AD4OS	26,784	144	62	B	
N9GUN	26,280	120	73	B	
KA9CAR	19,980	90	74	B	
NA9DM	6,732	51	44	B	
N9DT	720	16	15	B	
K9ZO	2,162,550	2218	325	C	
W9FX	467,847	687	227	C	
W9YYG	234,507	859	91	C	
K7EG	105,336	264	133	C	
KB9KTC	97,605	241	135	C	
WB9AYW	41,322	142	97	C	
KG9N	15,756	101	52	C	
KK9A	4,158	42	33	C	
WB9Z	212,184	842	84	C	40
K9CJ	51,870	247	70	C	40
W9OF	156,798	562	93	C	15
KX9DX	85,617	453	63	B	15
K9AB	50,694	238	71	B	15
N9TF	23,607	129	61	B	15
K9NU	7,380	82	30	C	15
WD9DZV	194,220	780	83	B	10

Indiana

K9DIY	8,820	70	42	A	
N4TZ	2,804,970	2527	370	B	
KJ9C	1,832,832	1776	344	B	
K9WJU (W9CG,op)	771,741	909	283	B	
W9AU	472,860	710	222	B	
K9JWI	323,010	582	185	B	
W9OZ	241,380	447	180	B	
K9IG	162,360	410	132	B	
KC9FC	157,920	329	160	B	
K9MI	36,036	156	77	B	
W9CM	15,750	105	50	B	
W9RE	5,063,502	3898	433	C	
W9KTP	408,834	678	201	C	
K9BG	47,850	275	58	B	20
K9TTT	6,804	54	42	C	20
K9NW	611,490	1853	110	C	10
K6OMB	84,825	435	65	B	10

Wisconsin

N9CIQ	722,724	916	263	A	
W9XT	388,194	667	194	A	
N9NE	93,357	253	123	A	
WT9Q	1,293,336	1518	284	B	
W9WUU	792,288	1008	262	B	
W9OA	343,332	561	204	B	
W9LO	214,140	430	166	B	
N9EZ	187,488	372	168	B	
KB9S	144,300	325	148	B	
K9OSH	100,914	278	121	B	
W9HR	12,348	84	49	B	
N9CK	3,202,992	2832	377	C	
K9MA	2,847,000	2600	365	C	
W9OP	1,553,328	1608	322	C	
KØSN	1,226,256	1732	236	C	
WA9IRV	250,416	444	188	C	
W9GXR	51,546	242	71	C	40
K9CAN	97,944	371	88	C	20
AA9PB	75,390	359	70	C	20
NI9C	112,050	450	83	B	15
N9GBB	663	17	13	B	10

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Colorado

NØTK	118,800	300	132	A	
K1EQA	21,960	122	60	A	
KØRI	1,115,523	1173	317	B	
WØETT	1,093,533	1211	301	B	
NØIBT	66,816	232	96	B	
N2IC	4,902,660	3891	420	C	
KJØG	106,386	298	119	C	
KFØU	39,600	240	55	C	40
AEØQ	140,712	533	88	B	15
KIØII	7,626	62	41	A	15
WØJF	1,953	31	21	A	10

Iowa

AKØM	302,940	540	187	A	
WØPWE	103,044	277	124	A	
NUØV	45,645	179	85	A	
AAØAI	483,138	778	207	B	
WKØF	288,225	549	175	B	
KØXD	286,650	455	210	B	
NO9S	5,400	50	36	B	
KØGT	20,295	123	55	B	40
WBØB	18,876	121	52	B	15
WØETC	86,592	352	82	B	10
KEØFT	76,356	404	63	B	10

Kansas

KØBJ	939,072	1168	268	B	
WØNXS	610,212	844	241	B	
AAØMZ	362,730	565	214	B	
WØYRN	45,570	155	98	B	
WØWPL	20,790	90	77	B	
WØUY	408,639	671	203	C	
KGØUA	133,110	306	145	C	
KØVGB	17,316	111	52	B	40
WBØYJT	2,475	33	25	A	15

Minnesota

NØUR	772,548	1082	238	A	
KØSR	2,575,620	2460	349	B	
NAØN	1,224,492	1523	268	B	
KØRC	991,512	1172	282	B	
NØFP	592,500	790	250	B	
NØHJZ	571,692	671	284	B	
KEØUI	530,199	807	219	B	
KNØV	385,728	656	196	B	
KØSQ	321,453	573	187	B	
WBØGGM	247,401	441	187	B	
WGØM	84,672	224	126	B	
KØKGS	75,048	212	118	B	
KØMPH	71,508	202	118	B	
WA2HFI	71,280	198	120	B	
WA2MNO	16,350	109	50	B	
WBØTRA	10,950	73	50	B	
KØSV	2,520	30	28	B	
WØBV	1,849,473	1593	387	C	
WØOR	992,673	1221	271	C	
WØZQ	904,500	1005	300	C	
WØML	530,712	756	234	C	
WØHW	264,735	555	159	C	
NØXB	236,250	525	150	C	
K4IU	162,486	354	153	C	
KØAD	39,825	177	75	C	

Missouri

KØCA	262,566	503	174	B	
KØTPY	258,264	422	204	B	
KSØM	183,210	394	155	B	
NØJRN	71,736	196	122	B	
K2HT	69,258	194	119	B	
KAØP	6,150	50	41	B	
KØOU	1,192,374	1278	311	C	
WØTY	202,905	405	167	C	
NØTT	2,592	32	27	C	160
K4VX (K9BGL, op)	572,094	1718	111	C	15
WAØOTV	5,472	57	32	C	15
K2VV	623,700	1925	108	C	10

Nebraska

ABØFX	62,370	189	110	A	
KØIL	184,272	349	176	B	
WZØL	124,392	292	142	B	
NØLZ	630	15	14	B	
KØSW	45,105	155	97	C	
KTØK	207,870	845	82	B	10

South Dakota

KCØIOX	19,344	104	62	B	
WØRSP	6,840	57	40	A	40

Canada

Maritime

VY2SS (K6LA,op)	4,358,970	3570	407	C	
VY2ZM	127,800	600	71	C	160

Nova Scotia

VE1AYY	39,600	240	55	B	20

Newfoundland-Labrador

VO1WET	408,408	748	182	B	
VO1HP	280,269	447	209	B	
VO1MP	286,140	1004	95	C	10

Quebec

VE2AWR	1,104,900	1270	290	B	
VE2OWL	231,492	404	191	B	
VE2FFE	129,648	296	146	B	
VE2AYU	1,562,190	1730	301	C	

Ontario

VA3TTT	907,581	1069	283	A	
VE3WZ	143,622	303	158	A	
VA3JFF	130,980	295	148	A	
VE3BHW	12,720	80	53	A	
VE3KP	1,408,368	1586	296	B	
VE3BW	836,859	1037	269	B	
VA3TEE	663,780	851	260	B	
VE3GFN	599,676	847	236	B	
VE3EN	550,926	762	241	B	

VA3NR 432,288 608 237 B
VA3UZ 4,147,992 3261 424 C
VE3AT 3,165,162 2821 374 C
VA3UA 1,834,608 2066 296 C
VE3NZ 1,479,036 1996 247 C
VE3EJ 98,688 257 128 C
VE3BR 1,512 28 18 C
VE3DO 4,284 42 34 C 160
VE3OSZ 2,688 32 28 B 160
VE3PN 30,690 186 55 C 80
VA3XRZ 11,352 86 44 B 40
VE3XL 79,680 332 80 A 20
VE3MQW 225,432 744 101 B 15
VE3RCN 126 7 6 B 15
VE3IAY 108,240 440 82 B 10
VE3UKR 42,657 241 59 B 10
VE3STT 32,154 233 46 C 10

Manitoba

VE4YU 257,004 484 177 B
VE4IM 521,424 639 272 C
VE4VV 159,360 640 83 B 10

Saskatchewan

VE5ZX 1,621,455 1705 317 B
VE5SF 946,368 1272 248 B
VE5AAD 15,318 111 46 B 15
VE5CMA 2,511 31 27 B 10

Alberta

VE6ZT 582,672 796 244 B
VA6NO 247,005 499 165 C
VE6YP 50,880 160 106 C
VE6WQ (@VE6JY)
230,496 784 98 C 40
VE6EX (@VE6JY)
392,196 1334 98 C 20
VE6JY (TI2WGO,op)
563,997 1757 107 C 15
VE6BF (@VE6JY)
342,372 1108 103 C 10

British Columbia

VA7NT 69,615 221 105 A
VE7XF 483,873 653 247 B
VE7NH 463,140 620 249 B
VE7FO 374,967 683 183 B
VE7NI 316,404 564 187 B
VA7LC 156,156 364 143 B
VE7JKZ 279,072 544 171 C
VE7SL 702 18 13 B 160
VE7VF 46,848 244 64 B 10
VE7NS 18,270 145 42 B 10

Single Operator Assisted

1

KI1G 4,974,318 3303 502 C
K1HI 2,474,640 1964 420 C
N1DG 2,138,670 1602 445 C
N8RA 1,671,846 1606 347 C
AA1QD 1,589,160 1394 380 C
N4XR 1,498,107 1391 359 B
AA1V 1,492,344 1176 423 C
W1RZF 1,135,377 1179 321 C
K1JN 1,020,051 1003 339 C
K1RV 897,930 907 330 B
W1BIH 876,000 800 365 C
K1AE 785,376 864 303 C
N6RFM 663,084 678 326 C
W1ZZ 460,863 507 303 C
W1LLU 393,624 568 231 B
K1TH 377,274 554 227 C
K1LD 374,532 529 236 B
K1NU 303,360 395 256 C
W2SUQ 293,760 510 192 B
K1JB 252,486 498 169 B
K1KD 250,842 431 194 C
KZ1O 240,672 436 184 C
W1JR 138,864 263 176 A
N1KWF 83,808 291 96 C
K1TW 26,103 113 77 B

2

K2NG 5,260,104 3398 516 C
N2MM 4,222,944 2838 496 C
W2RE 4,143,480 2920 473 C
N1EU 3,984,087 2549 521 C
W2WB 3,496,620 2885 404 C
NO2R 3,494,436 2302 506 C
W6XR 3,195,912 2183 488 C
K2NJ 2,913,132 2542 382 C
W1GD 2,596,836 2101 412 C
W2GDJ 2,582,115 2179 395 C
K2QM 1,608,141 1691 317 C
KF2O 1,501,920 1120 447 C
N2CY 1,198,050 1225 326 C
N2CQ 1,085,166 1083 334 B
W2LE 1,081,668 1106 326 C
K2ONP 1,046,640 1246 280 C
N1JP 1,014,504 1031 328 C
K2SB 935,712 864 361 C
W2KA 756,702 729 346 B
W2GR 597,987 807 247 B
N2FF 594,270 639 310 C
K2EP 557,280 688 270 C
KD2P 464,475 563 275 C
K2XF 380,304 456 278 C
W2RD 372,771 427 291 C
KA2D 312,390 534 195 B
KD2HE 248,985 503 165 C
N2VW 183,480 278 220 C
W2RDS 98,745 227 145 B
K2EF 64,566 211 102 B
WO2N 14,580 90 54 C
WF2B 6,750 50 45 C

3

K3WW 7,007,520 4492 520 C
AA3B 4,439,244 3196 463 C
KQ3F 4,323,564 3268 441 C
W3FV 3,548,484 2892 409 C
W2UP 3,498,066 2574 453 C
N3AM 2,267,652 1871 404 C
N4GG 2,184,834 1622 449 C
W3AP 2,009,124 1908 351 C
W3HVQ 1,576,872 1448 363 C
NN3Q 1,493,901 1307 381 C
K3NZ 1,435,350 1367 350 C
N3ZA 1,317,600 1098 400 C
K3DI 1,191,330 1085 366 C
W3GK 1,177,821 1179 333 C
W3GG 1,127,700 1253 300 C
WT3P 1,088,010 1099 330 C
K3II 1,045,464 1016 343 C
WE3C 769,365 695 369 C
K3BHX 754,416 806 312 C
K3JG 638,979 737 289 C
WT3W 604,800 630 320 C
K3OO 553,707 799 231 C
N3SD 505,407 587 287 B
W3OV 347,490 594 195 C
N3MK 301,368 433 232 B
AA3DF 281,520 460 204 C
K3PP 207,000 345 200 C
AA0CY 199,125 375 177 B
KU3X 163,680 352 155 B
W8FJ 136,518 373 122 C
K3CT 131,262 262 167 C
K3CP 108,732 221 164 C
KD3TB 55,854 174 107 B
NZ3O 2,700 30 30 C
AJ3M 96 8 4 C

4

W4NF 3,334,986 2454 453 C
NQ4I 2,963,670 2215 446 C
K1PT 2,220,525 1775 417 C
W3YY 1,790,910 1474 405 C
AK4XX 890,295 973 305 B
K4PB 649,728 768 282 C
N4VV 600,600 770 260 C
N6MW 557,217 613 303 B
AA4V 523,110 742 235 C
K3KO 435,213 597 243 C
K4CIA 330,642 471 234 C
WI1S 286,032 404 236 B
WM3T 231,168 344 224 B
K4WW 132,696 388 114 B
KE4USA 93,492 196 159 B
N4TL 85,785 215 133 C
K8YC 53,592 154 116 C
W4ATL 11,952 83 48 B
AB4RL 3,198 41 26 C

5

N2LA 1,656,882 1509 366 C
W5PF 220,800 400 184 B
W5FL 214,488 331 216 C
NE0P 181,650 346 175 B
K5HDU 177,885 335 177 C
K5IUA 36,750 175 70 C
N5ZM 30,210 106 95 B

6

N6CW 1,546,272 1534 336 C
K6XX 1,520,268 1678 302 C
W6TK 1,104,453 1119 329 C
N6WS 766,161 781 327 B
K6RIM 662,244 692 319 C
NF6R 259,578 506 171 C
K6EP 83,433 203 137 B
KC6X 81,699 241 113 C
N6IYS 71,448 229 104 C
WB6IYM 31,284 158 66 C
N6OU 25,650 114 75 C
K6UFO 18,312 109 56 A

7

W7/DL3OI 4,103,280 3280 417 C
N7TT 2,208,141 2097 351 C
N0AX 1,754,928 1741 336 B
W7OM 1,099,680 1264 290 C
W7VV 1,048,293 1299 269 C
WA7YAZ 173,304 332 174 B
K7XZ (K1MY,op)
100,800 240 140 C

8

N8BJQ 2,775,105 2229 415 C
N8KM 629,256 628 334 C
N8PW 560,142 738 253 C
K8LY 327,555 435 251 C
K8AJS 321,030 410 261 B
ND8L 166,800 400 139 C
NX8C 75,477 181 139 B
K8LN 13,776 82 56 B
KG8CO 3,534 38 31 C

9

N9XX 1,023,090 1018 335 B
K9NR 862,641 1313 219 C
K9UQN 836,583 1111 251 C
W9TN 436,392 551 264 B
N2BJ 429,624 648 221 C
W9YK 309,447 471 219 B
K9PG 219,696 398 184 B
W9VQ 57,225 175 109 B
N9MSG 55,440 165 112 B
N9BT 40,608 141 96 C

Ø

N5IN 1,127,763 1053 357 C
KØKX 617,136 688 299 C
KTØR 615,960 870 236 C
KØOB 372,528 597 208 B
KØUK 304,794 574 177 B
KØIR 285,345 373 255 C
KØDG 271,890 530 171 C
NØBUI 227,664 496 153 B
WØTT 223,440 380 196 C
NØAT 57,750 154 125 C
AAØA 18,096 116 52 C
VE1OP 1,067,328 1088 327 B
VE9FX 354,048 461 256 C
VE6LB 168,795 341 165 B
VE6TN 56,163 193 97 B

Multioperator Single Transmitter

1

K1IR (+NR1DX,W1VE)
5,896,380 3892 505 C
WT1T (K1TWF,W1ES,KD1EA,
K1WD,WO1N,ops)
4,239,960 3176 445 C
KØTV (+KB1PZ,NF1A,W1MJ,WO1N,
W1IA,W1TQ)
2,262,330 1862 405 C
W1ZT (+K1EO)
1,551,930 1445 358 C
KK1L (+K1KD,W1SJ,KM1Z,W1CX)
1,251,936 1449 288 C
W1NR (+W1BK)
728,532 708 343 C
N2OT (+WB2EPQ)
407,220 617 220 A

2

K2WI (+AA5B,WW2Y)
5,561,322 3854 481 C
AA2FB (+K2QMF)
5,089,854 3542 479 C
K2UG (KY2J,WA2JQK,ops)
2,975,712 2224 446 C
K2SX (+N2UN)
2,681,775 2175 411 C
WB2ELW (KB2KOL,K2CF,ops)
15,921 87 61 C

3

W3BGN (+K2TW)
6,317,595 4105 513 C
NE3F (+NE3F,KS3F,K3ATO)
3,733,173 2747 453 C
N3BNA (+N2WKS)
1,587,690 1495 354 C

4

W4AUB (+N4AU,K4IZN)
408,240 630 216 C
W4MOT (N4PL,N4CU,ops)
48,411 163 99 C

5

W6TER (+N5LI,W5DEZ,KT5X)
893,196 1154 258 C

6

K6ZM (K6WG,op) (+K6WG)
2,105,568 2437 288 C
N6IJ (K6SRZ,AA6EG,ops)
1,154,640 1360 283 C
W6ISO (+WX5S)
645,588 908 237 C

7

W7CT (+NC7W)
2,530,836 2324 363 C

8

K8AZ (+K8MR,K8NZ,W8BIN,W8CAR,
W8KIC,N8TR,WT8C)
6,752,262 4279 526 C
W8EDU (W8WTS,W8RZ,ops)
510,384 784 217 C

9

WN9O (+W9IU)
3,063,042 2358 433 C
K9SD (+KAØGGI,KØRAY,KI9A,KØJPL,
W9VHL) 3,033,516 2668 379 C

Ø

NØNI (+NØAC,WOØV,KØKD,NØAV,
WØFLS) 5,049,414 3442 489 C
NØDY (+NØYY,WØOF)
4,304,040 3224 445 C
KØMP (+N2WW/UA6HZ,WØZA,
ABØKG/UA3YH,WØNF)
2,981,568 2344 424 C
KØJA (+KØJE)
456,576 656 232 B
WV7T (+NØQJS)
17,550 117 50 A

VE

VE3HG (+VE3RZ,VE3GGF)
1,995,084 1638 406 C
VE6AO (VE6TC,VE6BIR,VE6LB,
VE6KC,VE6RCI,ops)
921,522 1186 259 C
VE7ZBK 118,800 330 120 B

Multioperator Two Transmitters

N2RM (+N2AA,N2NC,N2NT,W2RQ,
WM2H) 11,835,315 6885 573 C
K1AR (@K1EA) (+K1EA,K5ZD)
11,780,448 6724 584 C
K1KI (+K1CC,KM1P,N7NG,W1RM)
10,723,380 6260 571 C
W4AN (+K4BAI,K9AY,K4RO,W8JI)
10,693,257 6469 551 C
N3RS (+N3ED,N3RD,N2SR,W8FJ)
10,610,379 6327 559 C
K4JA (+W3BP,K9GY,KE9I,K1SE,
K4FJ,K4GMH)
9,931,320 5880 563 C
K8LX (+K8GM,K8IA,K8LV,N8EA,
W8WA) 7,642,866 5126 497 C
W5KFT (K5OT,N6ZZ,ops)
5,867,100 3975 492 C
N5TW (+K5PI,AF5Z,N5DUW,WS4G,
KE5C,N5IW,W5TD)
5,650,512 4016 469 C
N4TO (+NP3G,W4IR,W4QM)
4,955,136 3226 512 C
NØIJ (+AF9T,WJØM)
4,487,835 3245 461 C
VE1JF (+VE1AI,VE1MOO)
4,004,796 3119 428 C
W6OAT (+K6KR,W1SRD,K1ZKM)
3,325,200 2771 400 C
AA2WN (+W2YC)
2,816,028 2148 437 C
K2RD (+W1CU)
2,730,087 1861 489 C
K6SG (+K6NO)
596,250 795 250 C
W1SRG (AG1C,KB1HJW,ops)
507,276 671 252 C

Multioperator Unlimited Transmitters

KC1XX (+AD1C,W1FV,K1GQ,K1TR,
KM3T,N6HB,N9JF)
17,542,008 9108 642 C
W3LPL (+K1HTV,W2GG,K3KU,AI3M,
K3MM,K3NA,N3OC,KE3Q,K3RA,
K3RV,KD4D,K4ZW)
17,530,500 8990 650 C
K3LR (+W3GH,VA3RU,VA3NA,N9RV,
KO9A,N3RA,K3UA,KL9A,K9VV,
W3RTY,W9ZRX)
17,127,864 9048 631 C
K9NS 15,634,296 8392 621 C
K1XM (+W1KM,W1FJ,NB1B,WT1O)
14,354,664 7922 604 C
K1RX (+KF1V,N1SNB,W1AAX,WA1S,
K1EPJ,K1GW)
12,801,348 7257 588 C
W4MYA (+K4WMA,KC8FS,KF4QQY,
W4DR,W4HJ,W4HZ,W4TNX,WK4Y,
WA8WV)11,955,648 6824 584 C
NY4A (K2AV,K7GM,N4AF,N4CW,
W2CS,ops)
11,586,816 6848 564 C
K1TTT (+NT2X,W1TO,K1MK,KB1W,
W3SM,KC2FEE)
11,198,616 6526 572 C
K8CC (+AC8W,K8DD,K8NA,KT8X,
N8CQA,N8MR,NU8Z,W8MJ,WX3M)
10,998,666 6466 567 C
K5GO (+KØNI,KØVBU,KM5G,K5ALU,
K5LG,N5OE,N5DX,N5XR)
9,944,448 6016 551 C
WØAIH (+NØAT,KØAD,KMØO,NØXB,
AAØZZ,WRØDK,WV3B,WØUC,KØTG,KTØR,
ACØW,KSØT)
9,800,190 5994 545 C
K3NM (+K3IPK,W3CF,K3ZV,WK2W,
W3MM) 9,515,475 5715 555 C
W3PP (+K3FT,WB4FDT,KW3Z,N3PT,
NW3Y,W3PAR)
9,102,150 5650 537 C
K4NNN (K4OJ,N4KM,T93M,WD4AHZ,
W1ROX,K4FB,W1CW,W1YL,ops)
8,848,272 5392 547 C
N3AD (+N3MT)
6,988,995 4595 507 C
N6RO (+K3EST,K6RC,WA6O)
6,901,950 4895 470 C
KB1H (+N1XS,AA1CE,KB1DFB,N1NK,
K1EBY,NB1U, KE1LI)
6,528,354 4201 518 C
N4RV (+K2PLF,KT4W)
6,086,124 3924 517 C
K3ANS (+WF3H,N3MX,K3YD,
KC3WX,KB3CBO)
5,917,032 4092 482 C
W2CG (+W2EN,W2NO)
4,882,485 3485 467 C
W1HR (W1MD,W1JCC, ops)
4,430,952 3239 456 C
N4WW (+KØLUZ,NW5E)
4,095,777 2911 469 C
W1QK (+W1NG)
3,578,202 2967 402 C
W8ZA (+K8OQL,WD3A)
3,241,590 2299 470 C
W2OW (AA2EQ,K2FU,N2BC,K1OW,
K2CM,ops)2,515,1581982 423 C
VE7UF (VE7ZO,op) (+VE7ZO)
2,064,825 1995 345 C

DX

Single Operator

Africa

Tunisia

3V8SM (DL6LAU,op)
259,740 585 148 A

Niger

5U9C 345,150 1950 59 C 15

Morocco

CN2JS (F6BEE,op)
874,200 1457 200 B
CN8YR 121,590 386 105 B

Madeira Islands

CT3KN 200,994 482 139 B
CT3KU 16,587 97 57 B

Canary Islands

EA8CN 873,450 1294 225 B
EA8/DJ1OJ 667,080 1020 218 B
EA8BH (OH2BH,op)
4,262,853 4319 329 C
EA8ZS 94,608 584 54 C 80
EA8/DJ3XD 6,237 77 27 B 40

Reunion

FR5FD 255,408 626 136 B

South Africa

ZS1NF 110,448 312 118 B
ZS6AJS 69,165 265 87 B
ZS5RON 35,280 245 48 B 10

Asia

Vietnam

3W2LWS (WA1LWS,op)
99,216 312 106 B

Georgia

4L1FX 25,740 156 55 B
4L8A 611,943 1369 149 C

Israel

4Z5KJ 203,847 571 119 B
4Z5OL 9,045 67 45 B
4X1VF 15,372 122 42 C 10

Singapore

9V1YC 132,606 417 106 C

Oman

A45XR 65,856 448 49 C 10

Taiwan

BW3/UA3VCS 9,600 80 40 B

Kyrgyzstan

EX8O 16,536 106 52 C

Tajikistan

EY8MM 168,378 422 133 C

South Korea

HL5AP 4,092 44 31 A
HL5UOG 219,420 530 138 B
HL1/WX8C 89,100 275 108 B
HL3AMO 67,032 228 98 B

Thailand

HSØ/OZ1HET 32,736 176 62 B
E2ØNTS/8 81 9 3 B 40
E2ØHHK 882 21 14 B 15

Japan

7L4IOU 212,676 479 148 A
JG1EIQ 168,597 429 131 A
7K4QOK (JR2BNF,op)
129,948 364 119 A
JA2IU 129,948 364 119 A
JA7MJ 50,997 191 89 A
JA3DAY 43,095 169 85 A
7K1CPT/1 28,224 147 64 A
JA4CFO 3,042 39 26 A
JA5IDV 231 11 7 A
JH4UYB 1,336,680 1896 235 B
JI1RXQ 776,790 1370 189 B
JK1OLT 736,800 1228 200 B
JR7ZIT (JQ1UKK,op)
676,800 1175 192 B
JR4PMX/1 676,260 1156 195 B
JO3JYE 598,560 1160 172 B
JA1ZGP (JF3EBO,op)
463,554 849 182 B
JK1ASO 443,352 812 182 B
JF2SKV 427,386 874 163 B
JF2QNM 424,530 890 159 B
JH5PHC/5 364,287 913 133 B
JA3YPL (JJ3TBB,op)
296,868 692 143 B
JF2BDK 238,581 541 147 B
JA1CP 235,638 494 159 B
JA3MVI 190,944 468 136 B
JR7HOD/1 169,728 416 136 B
JAØEMS 166,050 450 123 B
JA5JCC 162,972 503 108 B
JA1XUY 161,379 387 139 B
JGØQXL 155,388 563 92 B
JN1NOP 153,567 453 113 B
JH6OPP 143,640 420 114 B
JH1XUZ 141,882 442 107 B
JA2VZL 131,274 374 117 B
JA3PYC 131,166 347 126 B
JE3UHV 131,076 331 132 B
JA1XRH 109,962 298 123 B
JP1SRG 104,430 295 118 B
JR5CAG 100,089 337 99 B
JA5ATN 97,344 312 104 B
JA2BQX 95,979 299 107 B
JM1NHZ 93,717 267 117 B
JA6CYL/6 86,961 287 101 B
JAØBMS/1 76,734 294 87 B
JA6SRB/4 75,276 246 102 B
JJ4PPK 69,387 229 101 B
JH5OXF 63,666 262 81 B
JE8KKX 56,637 217 87 B
JK1VSL 56,154 191 98 B
JA4BAA 54,675 225 81 B
JR1NHD 49,053 197 83 B
7L3KJV 48,000 200 80 B
JA2KPW 47,988 172 93 B
JE1HJV 47,430 170 93 B
JA1OZK 42,840 238 60 B
JR3NDM 35,112 152 77 B
JA1AZS 33,750 150 75 B
JA1HFY 32,856 148 74 B
JA2MZ 31,500 150 70 B
JH7QNG 31,050 150 69 B
JA1HHU 27,537 137 67 B
JA6CM 27,300 130 70 B
JH1MTR 25,854 139 62 B
JA1XPU 23,790 122 65 B
JA1KXT 23,400 120 65 B
JA2PFO 22,035 113 65 B
7L3AUA 20,709 117 59 B
JHØIXE 18,117 99 61 B
JN7OJA 17,784 114 52 B
JA1IZ 16,587 97 57 B
JH6WBN/1 11,421 81 47 B
JA3QOS 11,280 80 47 B
JM1LQI 9,114 62 49 B
JJ4CDW 8,580 65 44 B
JI2VLM 6,600 55 40 B
JE5HTN 4,059 41 33 B
JF7DXT 2,673 33 27 B
JA3AVO 1,539 27 19 B
JA6XTA/1 1,248 26 16 B
JA1IZZ 1,152 24 16 B
JH5FXP 2,235,018 2719 274 C
JA8RWU 1,777,113 2379 249 C
JH7XGN 1,569,612 2068 253 C
JA6GCE 1,453,995 2045 237 C
JR1AIB (JE1CKA,op)
1,369,062 1878 243 C
JA2FJP 858,480 1460 196 C
JA1JKG 826,254 1287 214 C
JA2FSM 512,592 944 181 C
JA2AXB 443,664 936 158 C
JA1HP 240,192 556 144 C
JA1MSS 192,672 446 144 C
JA3ARM 162,153 419 129 C
JA2QVP 126,000 350 120 C
JA2VQF 108,537 299 121 C
7J1ABD 50,778 186 91 C
JA5IP 37,392 152 82 C
JF2FIU 20,829 131 53 C
JA3WFQ 1,368 24 19 C
JM2RUV 180 12 5 B 160
JE1SPY 165 11 5 B 160
JE1TSD 90 6 5 B 160
JH1AEP 11,253 121 31 C 80
JK1OPL 6,240 80 26 C 80
JAØGZ 210 10 7 C 80
JA7YAA (7M1JAS,op)
89,430 542 55 C 40
JG1ILF 87,132 548 53 C 40
JA1KVT 13,266 134 33 B 40
JH1APZ 8,280 92 30 B 40
JA1PS 4,446 57 26 B 40
JE5JHZ 3,864 56 23 C 40
7K2GMJ 1,833 47 13 B 40
JA4XNF 975 25 13 B 40
JE2XBS 600 20 10 B 40
JH1AZO 45,570 310 49 C 20
JHØEPI 23,940 190 42 B 20
JR2AWS/1 216 9 8 B 20
JR8VSE 158,415 895 59 C 15
JI7NUF 146,034 854 57 C 15
7K4XNN 124,410 715 58 B 15
JA9CWJ 118,776 707 56 C 15
JF2ION 112,890 710 53 C 15
JR1MQT 108,075 655 55 C 15
JA9VOK 79,977 503 53 B 15
JA5APU 75,366 474 53 C 15
JHØNEC 36,096 256 47 B 15
JA1EM 18,396 146 42 B 15
JJ6TWQ 17,667 151 39 B 15
7N4KDU 10,710 102 35 B 15
JA7DNJ 9,207 93 33 B 15
JA1XEM 6,720 70 32 C 15
JQ1COB 5,304 68 26 B 15
JA7DNO 4,914 63 26 B 15
7J1AAI (W1NN,op)
204,345 1195 57 C 10
JH3AIU 178,416 1062 56 C 10
JF1SQC 162,132 916 59 B 10
JA7NVF 130,515 791 55 C 10
JR8OGB 124,659 729 57 B 10
JG2TKH 94,860 620 51 B 10
JA1NLX 83,634 526 53 B 10
JE2HCJ 80,613 507 53 B 10
JH7IMX 74,196 458 54 B 10
JHØSDA 62,700 418 50 B 10
JHØNVX/1 61,740 420 49 B 10
JR9NVB 61,353 401 51 B 10
JI1HFJ 54,096 368 49 B 10
JR4GPA 35,088 272 43 B 10
JA2CXF 29,808 216 46 B 10
JG3NKP/1 25,284 196 43 B 10

JA3KZV 22,386 182 41 B 10
JJ1GQH 22,050 175 42 B 10
JA2KKA 17,670 155 38 B 10
JF7GDF 11,772 109 36 B 10
JM6FMW 10,416 112 31 B 10
JA2UJ 9,135 87 35 B 10
JH1OLB 6,960 80 29 B 10
JI1BBN 4,032 48 28 B 10
JO1WIZ 3,780 45 28 B 10
JA4AKV 3,600 50 24 B 10
JR2TMB 3,267 33 33 B 10
JR0EFE/7 2,970 45 22 B 10
JO1CRA 2,268 36 21 B 10
7K2PBB 2,142 42 17 B 10

Lebanon
OD5/OK1MU 125,001 731 57 C 10

Asiatic Russia
RA9AE 8,184 62 44 A
RW0BG 461,214 949 162 B
UA0QO 169,176 424 133 B
RU0BW 53,766 206 87 B
RZ9IB 35,604 172 69 B
UA9CR 33,264 168 66 B
UA9CIR 31,755 145 73 B
UA9OA 17,952 136 44 B
RN9XA 15,606 102 51 B
RX9TX 669,468 1187 188 C
RK9CZO (RX9CAZ,op)
598,755 1115 179 C
UA9CNV 544,968 1044 174 C
UA0ANW 381,765 821 155 C
RA9MA 347,424 752 154 C
UA9OW 259,341 631 137 C
UA0FDX 201,345 433 155 C
UA9FM 192,930 545 118 C
UA0LS 191,268 483 132 C
UA9AM 171,570 430 133 C
RU0AT 123,342 337 122 C
UA9CKS 103,005 315 109 C
UA9MC 80,370 285 94 C
UA0JDD 56,430 209 90 C
RA0FU 85,488 548 52 C 40
UA9CI 11,520 120 32 C 40
RW9UP 159,384 916 58 C 20
RA0BA 148,428 868 57 C 20
RU9WX 130,848 752 58 C 20
UA9LAC 90,720 540 56 C 20
RV9MM 68,052 428 53 B 20
RA9XE 29,808 216 46 B 20
RX9FB 26,838 213 42 B 20
UA9CCL 19,188 156 41 B 20
RK9CYA (RK9CR,op)
8,352 87 32 C 20
RA9XF 7,626 82 31 B 20
RU0AE 3,276 39 28 B 20
RA0AY 1,860 31 20 B 20
RA9WR 114,912 672 57 C 15
RK9JWV 53,622 331 54 B 15
UA9JLL 44,772 287 52 B 15
RA9JX/9 5,670 63 30 C 15
RS0F 161,784 963 56 C 10
RA0FN 101,919 641 53 B 10
UA9YAB 55,848 358 52 C 10
RX9WR 55,131 391 47 C 10
RV9WZ 27,840 232 40 B 10
RX9LW 16,956 157 36 C 10

Kazakhstan
UN9LN 137,460 395 116 B
UP6P 600,903 1119 179 C
UN7QX 561,432 1256 149 C
UN4PD 22,317 173 43 B 20
UN6G 14,391 117 41 B 20
UN4PG 23,862 194 41 B 15
UN5J 51,891 353 49 C 10
UN7EX 3,690 41 30 B 10

Hong Kong
VR2BG 1,145,124 1844 207 C

India
VU2UR 30,843 149 69 B
VU2AJ 4,284 68 21 B

UK Sov Base Areas on Cyprus
ZC4DW 87,120 528 55 B 20

Europe
ITU HQ
4U1ITU (OM3CGN, op)
195,402 1123 58 C 40

Croatia
9A3GU 109,740 310 118 A
9A7P 1,181,484 1774 222 B
9A5I 779,916 1262 206 B
9A2RD 848,904 1304 217 C
9A4D (9A5WA,op)
79,674 542 49 C 40
9A5Y 224,967 1271 59 C 10
9A3VM 139,896 804 58 B 10
9A7DM 120,234 691 58 C 10
9A4K 17,901 153 39 B 10

Portugal
CT1GFK 69,012 426 54 B 20
CT1FOK 91,530 565 54 B 15

Fed. Rep. of Germany
DL3KVR 402,375 725 185 A
DK2GZ 242,892 519 156 A
DF1DX 159,588 403 132 A
DL1JDQ 95,256 324 98 A
DM3XI 40,443 221 61 A
DL2DWP 34,839 147 79 A
DJ6LK 28,470 146 65 A
DJ3GE 22,656 118 64 A
DL6ABB 14,256 88 54 A
DL2TM 5,220 58 30 A
DL2BQD 1,296 24 18 A
DJ8EF 529,728 992 178 B
DL2MDU 468,846 854 183 B
DL4AAE 351,708 742 158 B
DL3NSM 257,520 580 148 B
DL8MUG 252,555 565 149 B
DJ3JD 212,940 507 140 B
DL9GFB 208,656 504 138 B
DL1CW 206,448 506 136 B
DL1TH 193,158 438 147 B
DF6QV 189,240 415 152 B
DL2ZAV 174,720 448 130 B
DL3BZZ 151,404 407 124 B
DL2RTJ 145,299 407 119 B
DJ5IW 142,848 372 128 B
DK3RA 137,496 337 136 B
DK6NN 135,255 355 127 B
DL3KWR 132,990 341 130 B
DL7VAF 128,100 350 122 B
DK7AN 104,496 311 112 B
DL7UGO 100,170 318 105 B
DL2MEH 85,785 301 95 B
DL1DQW 84,075 295 95 B
DL5KUD 81,510 286 95 B
DL3ARK 70,110 246 95 B
DJ2YE 61,272 222 92 B
DL2HTF 58,788 213 92 B
DM3ML 51,744 196 88 B
DL2AL 48,960 192 85 B
DL3DRN 47,310 190 83 B
DK9BW 41,475 175 79 B
DL2ARG 39,330 138 95 B
DL2KWW 30,804 151 68 B
DK5ZX 29,673 157 63 B
DJ6TK 28,728 152 63 B
DL3BRA 25,929 129 67 B
DF2HL 22,848 112 68 B
DL1IAO 2,327,325 2821 275 C
DL4MCF 2,080,029 2677 259 C
DK4WA 876,972 1366 214 C
DL4NAC 668,250 996 225 C
DL1JF 525,042 926 189 C
DL7NS 451,764 846 178 C
DL4WA 363,540 730 166 C
DL5DXF 354,192 752 157 C
DF4XX 215,172 516 139 C
DL7IO 210,672 462 152 C
DL3YA 51,000 200 85 C
DL8UVG 45,816 184 83 C
DL1DQJ 4,884 44 37 C
DL7ZZ 216 12 6 C 160
DJ0MDR 59,211 459 43 C 80
DL2RUG 7,650 102 25 C 80
DK7YY 52,593 373 47 C 40
DL4CF 32,340 245 44 C 40
DL1DQY 10,260 95 36 A 20
DL7AXM 4,761 69 23 A 20
DH7KU 109,386 618 59 C 15
DL4JU 60,588 396 51 B 15
DL7BY 58,968 378 52 B 15
DJ5GG 26,634 193 46 B 15
DL6RAI 215,238 1237 58 C 10
DK3KD 147,378 847 58 C 10
DL2HQ 67,257 423 53 B 10
DL9ZP 49,824 346 48 B 10
DL7ET 17,760 148 40 B 10
DF3OL 15,660 116 45 B 10
DL6UAM 8,742 94 31 B 10
DL1DRD 240 10 8 B 10

Spain
EA7GTF 1,686,528 2304 244 B
EA4DRV 1,008,000 1600 210 B
EA7AJR 653,418 1171 186 B
EA4NP 630,180 1167 180 B
EA3KU 591,318 1083 182 B
EA1FD 478,710 810 197 B
EA7AKJ 349,776 694 168 B
EA1WX 226,746 494 153 B
EA5EOH 192,558 479 134 B
EA4EFJ 165,312 448 123 B
EA4AMO 164,388 412 133 B
EC2API 131,712 392 112 B
EA4AAK 40,344 164 82 B
EA7CA 36,120 172 70 B
EA5BKV 21,228 116 61 B
EA1FBJ 8,892 76 39 B
EA5FV 2,133,750 2845 250 C
EA5BY 410,025 781 175 C
EA1AEH 30,552 134 76 C
EA7GSU 56,016 389 48 C 80
EA7AIN 26,325 225 39 B 80
EA3ALV 3,306 58 19 A 40
EA3AR 114,144 656 58 C 20
EA4BWR 31,680 240 44 B 20
EA1CS 27,240 227 40 B 20
EA2AZ 858 22 13 B 20
EA1DAV 153,282 866 59 C 15
EA7NK 116,640 720 54 C 15

Balearic Islands
EA6DD 109,740 295 124 B
EA6SX 1,017,414 1362 249 C

Ireland
EI4DW 776,952 1199 216 B
EI/SP3CW 38,682 307 42 B 40
EI4CF 14,364 133 36 B 40
EI4BZ 254,619 1489 57 B 10
EI5DI 140,070 805 58 B 10

Estonia
ES2DJ 366,966 703 174 B
ES1RF 61,110 210 97 B

Belarus
EU8RZ 324,960 677 160 A
EW1CQ 242,214 553 146 B
EW6GF 79,242 281 94 B
EU6TV 15,933 113 47 B
EW8EW 1,025,010 1627 210 C
EW1WZ (EU1UN,op)
40,200 335 40 C 80
EU1AZ 14,268 164 29 C 80
EU1CJ 15,768 146 36 B 40
EV6Z 9,048 104 29 C 40
EW8DX 36,237 257 47 C 20
EW1WB (EU1-012,op)
6,480 80 27 B 20
EW1MN 34,965 259 45 B 15
EW6AW 18,720 156 40 B 15
EW6OO 45,396 291 52 B 10
EW6AF 21,360 178 40 C 10
EW1EA 11,712 122 32 B 10

France
F6FTB 71,442 294 81 A
F5NOD 61,200 200 102 A
F5SGI 34,440 164 70 A
F5IQJ 21,390 115 62 A
F5TNI 663,408 1084 204 B
F8PDR 537,510 943 190 B
F5ICC 496,062 889 186 B
F6OIE 224,895 517 145 B
F5JBR 201,597 451 149 B
F6HHR 180,744 443 136 B
F6IEU 145,926 402 121 B
F5AKL 67,080 215 104 B
F8BUO 67,035 205 109 B
F5UKL 62,244 247 84 B
F2FX 21,024 219 32 B
F5RPB 14,241 101 47 B
F5IYJ 8,214 74 37 B
TM5C (F6ARC,op)
3,380,076 3682 306 C
F6AUS 677,952 1056 214 C
F8BPN 4,692 68 23 B 160
TM2Y (F5MZN,op)
107,172 687 52 C 80
F6EYB 36,120 301 40 B 80
F5IN 136,290 826 55 C 15
F5SDD 1,296 24 18 B 15
F5MZN 219,126 1238 59 C 10
F/WO9S 72,576 432 56 C 10
F5LJY 36,603 249 49 B 10

England
G0DCK 189,930 487 130 A
G4EHT 4,515 43 35 A
G4GZG 4,368 56 26 A
G0MTN 841,698 1417 198 B
G4KFT 286,749 633 151 B
G3RSD 246,330 510 161 B
G3VQO 201,498 473 142 B
G4PIQ 199,350 443 150 B
G0UKX 184,920 460 134 B
G3KKJ 147,828 388 127 B
G4ZME 70,782 251 94 B
G0/N9LYE 64,500 215 100 B
G3ECS 57,285 201 95 B
M0AEK 33,495 145 77 B
G4BUO 3,093,960 3496 295 C
G3MXJ 1,509,000 2012 250 C
G3UFY 741,240 1160 213 C
G3TXF 594,015 995 199 C
G2QT 539,760 865 208 C
G4BJM 504,192 808 208 C
G4OBK 576 16 12 C 160
G0IVZ 123,255 747 55 C 80
M4T (G0VQR,op)
33,792 256 44 B 20
G3JKY 22,113 189 39 B 20
G4IIY 86,337 543 53 B 15
G0MRH 7,560 84 30 B 15
M0TTT 253,995 1435 59 C 10
G3WVG 235,944 1356 58 C 10
G4TSH/P 232,578 1314 59 C 10
M0C (G0CKP,op)
194,256 1136 57 C 10
G0ORH 82,665 501 55 C 10
M6T (G4PIQ,op)
48,816 339 48 C 10
G4JZO 38,700 258 50 A 10
G3XSV 31,050 207 50 B 10
G0VDZ 2,460 41 20 B 10

Northern Ireland
GI4KSH 120,648 457 88 C

Scotland
GM3NHQ 301,392 624 161 B
GM4SID 139,392 363 128 C
MM0BQI 4,350 58 25 B 40
GM3POI 306,033 1729 59 C 15
GM2T (GM0CLN,op)
129,978 747 58 B 10

Guernsey
MU0FAL 275,394 581 158 B
MU2K (G3SQX,op)
178,593 1009 59 C 15
GU4YOX 54,927 359 51 B 10

Wales
GW0KZW 12,183 131 31 A
GW7X (GW3NJW,op)
151,164 884 57 C 40
GW4HBK 10,464 109 32 B 40

Hungary
HA5BDU 19,344 104 62 A
HA8LIF 265,923 603 147 B
HA0HH 160,716 454 118 B
HA1CW 2,262 29 26 B
HA8JV 2,154,600 2700 266 C
HA2MV 222,735 479 155 C
HA5JI 9,153 113 27 C 160
HA8DL 273 13 7 B 80
HA8IB 163,548 924 59 C 40
HA6OL/3 80,964 519 52 C 40
HA8VK 119,130 722 55 C 15
HA3LI 34,155 253 45 A 15
HA5MY 18,093 163 37 C 15
HA7UG 170,628 964 59 C 10
HA5NG 96,030 582 55 B 10
HA5PT 71,610 434 55 B 10
HG8W 46,656 324 48 C 10

Switzerland
HB9BMY 280,332 599 156 A
HB9DAX 150,297 421 119 A
HB9AYZ 19,080 106 60 A
HB9DOZ 6,840 60 38 A
HB9ARF 502,521 877 191 B
HB9DTM 100,485 319 105 B
HB9DOT 70,782 251 94 B
HB9HQX 34,410 155 74 B
HB9FAP 1,958,580 2340 279 C
HB9FBS 374,256 678 184 C
HB9CZF 156,600 900 58 C 10
HB9DCM 48,240 335 48 B 10

Italy
I1BAY 300,900 590 170 A
I3BBK 251,766 591 142 A
IK5YZT 140,616 372 126 A
IZ1DFI 3,360 40 28 A
IK1GNC 148,428 399 124 B
I3JEX 145,008 424 114 B
IK2AIT 143,172 388 123 B
I6FDJ 122,484 346 118 B
IK2WYI 111,744 388 96 B
IK4XCL 95,979 299 107 B
IK2NCF 49,302 198 83 B
IK1SPR 45,936 176 87 B
IK4NPC 15,288 98 52 B
IV3KSE 10,530 78 45 B
IK2RLS 10,050 67 50 B
IT9GXE 7,605 65 39 B
IZ6BTN 6,696 62 36 B
IK4ZHH 535,572 1044 171 C
IK2ANI 127,380 386 110 C
IV3DYS 5,130 45 38 C
IK4MGP 13,137 151 29 C 160
IK4WMA 20,475 175 39 C 80
IU2M (I2WIJ,op)
108,024 643 56 C 40
IK1QBT 103,032 648 53 C 40
IU9S 233,817 1321 59 C 20
IO4L 230,376 1324 58 C 20
I3MGN 9,405 95 33 B 20
IU4T 110,979 649 57 C 15
I1NVU 93,492 588 53 C 15
IK3SCB 75,972 487 52 B 15
IY4W 195,924 1126 58 C 10
IQ3X (IV3SKB,op)
160,950 925 58 C 10
IQ2C (IK2JUB,op)
159,732 918 58 C 10
II2K (IK2UCK,op)
150,273 849 59 C 10
IK3QAR 98,952 589 56 C 10
IK8WEI 29,469 209 47 B 10

Sardinia
IS0IGV 142,506 406 117 B
IS0UWX 14,406 98 49 B

Norway
LA9HFA 918,540 1458 210 B
LA8OM 471,108 913 172 B
LA9AU 21,321 103 69 B
LA7MFA 1,352,565 1935 233 C
LA2O 332,055 705 157 C
LA3BO 1,680 35 16 B 80

Luxembourg
LX1JH 100,464 299 112 B
LX1NO 6,603 71 31 C 10

Lithuania
LY5A (LY2PAJ,op)
838,368 1312 213 A
LY1FDY 43,026 202 71 A
LY2MW 504,900 900 187 B
LY2MM 248,319 541 153 B
LY1DS 98,910 314 105 B
LY6A (LY2BM,op)
194,877 1101 59 C 20
LY9A (LY3BA,op)
178,872 1028 58 C 20
LY2LF 17,040 142 40 B 20
LY2TE 26,280 219 40 B 15
LY1FW 1,209 31 13 B 15
LY2FN 74,682 461 54 B 10

Bulgaria
LZ7X 961,350 1450 221 A
LZ1ABC 739,032 1162 212 B
LZ4UU 274,593 583 157 B
LZ2UZ 200,535 461 145 B
LZ1EP 109,863 313 117 B
LZ2ITU 60,480 252 80 B
LZ2PL 275,370 685 134 C
LZ2WF 215,574 589 122 C
LZ1PM 13,392 144 31 B 80
LZ2LDS 7,200 100 24 B 80
LZ2RF 34,452 261 44 C 40
LZ3PZ 10,440 116 30 B 40
LZ1FJ 990 30 11 B 20
LZ2FM 17,892 142 42 B 15
LZ9V 35,910 342 35 C 10
LZ6C (LZ2TF,op)
34,104 232 49 B 10
LZ1CF 20,016 139 48 B 10

Austria
OE2BZL 1,140,750 1521 250 C
OE5CWL/5 736,092 1524 161 C
OE3JOS 589,965 1063 185 C

Finland
OH2NN 296,148 667 148 B
OH2NFS 293,832 616 159 B
OH2IF 112,140 356 105 B
OH3IR 107,802 318 113 B
OH2BLI 97,584 304 107 B
OH1BOI 97,578 278 117 B
OH2EV 38,925 173 75 B
OH1AL 26,901 147 61 B
OH3KAV 20,700 115 60 B
OH3KOK 12,870 110 39 B
OH2BH (OH2JTE,op)
2,185,014 2834 257 C
OH2K (OH2LRE,op)
375,366 857 146 C
OH5NE 240,039 537 149 C
OH2VZ 129,084 347 124 C
OH1EB 45,198 186 81 C
OH3WD 2,091 41 17 C 80
OH4A (OH6QU,op)
294,060 1690 58 C 20
OH2BCD 17,940 130 46 C 20
OH2BED 17,940 130 46 C 20
OH6AC 273,780 1521 60 C 15
OH6RX 199,056 1144 58 C 10
OH2BAH 44,304 284 52 C 10

Czech Republic
OK2VWB 255,150 567 150 A
OK1FKD 53,460 198 90 A
OK2BND 46,065 185 83 A
OK1DMP 6,720 56 40 A
OK2PP 1,175,328 1696 231 B
OK2ZV 1,157,598 1746 221 B
OK1DSZ 1,005,660 1510 222 B
OK1HX 832,446 1347 206 B
OK2MBP 458,172 858 178 B
OK2DU 378,351 729 173 B
OK1BA 377,997 773 163 B
OK1ZP 266,760 585 152 B
OK1VBA 228,099 547 139 B
OK1DKO 210,600 540 130 B
OK2PKY 180,306 477 126 B
OK1DSX 159,354 454 117 B
OK1MKI 158,790 395 134 B
OK2BJ 124,806 341 122 B
OK1AOU 118,668 319 124 B
OK1FHI 107,856 321 112 B
OK1CJN 103,206 334 103 B
OK2AJ 95,160 305 104 B
OK1DVK 82,716 226 122 B
OK1MZO 76,257 229 111 B
OK1WWJ 64,452 262 82 B
OK1AUP 50,688 192 88 B
OK1HGM 40,182 181 74 B
OK2PJD 34,428 151 76 B
OK1DKM 32,016 184 58 B
OK2PBG 30,456 188 54 B
OK2SFO 30,420 169 60 B
OK1SRD 20,223 107 63 B
OK1FWW 17,649 111 53 B
OK1TRM 16,638 118 47 B
OK2BNC 13,392 93 48 B
OK1FTW 12,672 88 48 B
OK2BHE 12,546 82 51 B
OK2BDF 10,074 73 46 B
OK2PDT 773,115 1393 185 C
OK1AXB 584,415 999 195 C
OK1OX 246,744 552 149 C
OK1ZF 212,898 518 137 C
OK2EQ 168 8 7 C 160
OK1RK 40,248 344 39 C 80
OK1WF 23,766 233 34 C 80
OK1YO 4,158 77 18 B 80
OK1FOG 3,660 61 20 B 80
OK1DTC 71,442 486 49 B 40
OK1FKM 45,816 332 46 B 40
OL4M 32,886 261 42 C 40
OK1HFP 18,144 168 36 B 40
OK2BPL 13,167 133 33 B 40
OK1SI 8,991 111 27 B 40
OK1DZD 3,300 55 20 A 40
OK1RF 281,076 1588 59 C 20
OK2GG 134,697 761 59 C 20
OK1JDJ 1,275 25 17 B 20
OK2ZC 150,510 865 58 C 15
OK1VD 86,697 507 57 B 15
OK2SG 31,188 226 46 C 15
OK1MGW 24,231 197 41 B 15
OK2QX 17,784 156 38 B 15
OK5SAZ 10,197 103 33 B 15
OK2RZ (OK1FUA,op)
200,895 1135 59 C 10
OK1CF 188,682 1066 59 C 10
OK1XC 84,504 503 56 B 10
OK1KA 59,700 398 50 B 10
OK1AES 40,650 271 50 B 10
OK1ACF 35,424 246 48 B 10
OK2VX 27,540 204 45 B 10
OK1AOV 14,136 124 38 C 10
OK1AIJ 12,177 123 33 A 10

Slovakia
OM5NL 641,844 1132 189 B
OM7JG 399,627 779 171 B
OM4DN 369,936 734 168 B
OM7AG 320,760 660 162 B
OM4TX 256,872 556 154 B
OM3PQ 256,464 624 137 B
OM5JA 169,545 445 127 B
OM8MM 159,894 423 126 B
OM7VF 147,600 400 123 B
OM7RC 100,716 308 109 B
OM7AT 97,569 293 111 B
OM1ADM 93,810 295 106 B
OM1AW 91,494 299 102 B
OM6CU 65,340 242 90 B
OM3TA 5,712 56 34 B
OM8A (OM3RM,op)
774,834 1451 178 C
OM2RA 578,880 1206 160 C
OM5RW 8,352 116 24 C 160
OM7CW 270 10 9 C 160
OM0M 156,114 882 59 C 40
OM2ZZ 3,762 57 22 A 20
OM5M (OM4DW,op)
178,416 1008 59 C 15
OM3NA 163,371 923 59 C 15
OM7YC 36,300 242 50 B 15
OM5LR 11,865 113 35 B 15
OM1CW 206,736 1168 59 C 10
OM2IB 169,476 974 58 C 10
OM8AG 106,362 622 57 C 10
OM3DX 92,565 561 55 B 10

Belgium
ON7CC 88,911 267 111 A
ON4CAS 319,275 645 165 B
ON4XG 312,624 624 167 B
ON5UM 222,240 463 160 B
ON4KJ 176,472 456 129 B
ON4CN 94,245 305 103 B
ON5ZO 84,900 283 100 B
ON4CHK 66,123 237 93 B
ON6LO 59,274 222 89 B
ON4IG 51,744 196 88 B
ON4IT 24,708 116 71 B
ON6LY 24,192 128 63 B
ON4KVA 10,260 76 45 B
ON4BR 6,072 88 23 C 160
OT2T (ON4UN,op)
116,316 718 54 C 80
ON7DR 73,287 479 51 C 40
ON6TJ 17,400 145 40 B 20
ON4SG 6,030 67 30 B 20
OT2H (ON5YR,op)
198,186 1139 58 B 15
ON4KLG 30,774 223 46 B 15
ON7YX 78,375 475 55 B 10

Faroe Islands
OY1CT 659,400 1099 200 C

Denmark
OZ5WQ 150,144 368 136 B
OZ5UR 128,097 331 129 B
OZ4FF 98,262 309 106 B
OZ0RS 69,552 252 92 B
OZ1FGS 21,312 111 64 B
OZ1LO 2,300,208 2768 277 C
OZ1BMA 26,280 219 40 B 20
OZ7YL 18,900 150 42 C 15
OZ8AE 31,443 223 47 B 10

Netherlands
PA3HEQ 152,988 418 122 A
PA9RZ 20,148 92 73 A
PA3FSC 6,324 62 34 A
PA0RBO 2,808 36 26 A
PA4OW 557,496 1044 178 B
PA3BFH 288,108 636 151 B
PA3AAV 250,920 510 164 B
PA5FN 221,517 489 151 B
PA4GF 63,270 222 95 B
PA3BNT 38,610 165 78 B
PA0RBS 33,417 141 79 B
PA1NRT 21,717 127 57 B
PA2ALF 20,349 119 57 B
PA3HGF 9,540 60 53 B
PA0PFW 119,427 329 121 C
PA0JNH 81,648 252 108 C
PA5AT 24,924 268 31 B 80
PA0RCT 24,864 224 37 C 80
PA5WT 24,192 224 36 C 40
PA3ACC 3,906 62 21 C 40
PI4TUE (PA3EZL,op)
208,506 1178 59 C 15
PA3EZC 16,206 146 37 B 15
PA3EMN 51,867 339 51 B 10
PA0ADT 25,461 207 41 A 10

Slovenia
S53O 2,510,577 3111 269 C
S59AA 981,654 1501 218 C
S52AU 530,244 1236 143 C
S51SL 84,810 257 110 C
S57M 13,104 168 26 C 160
S57LWG 3 1 1 A 160
S59CAB (S57MW,op)
65,661 509 43 C 80
S57KRI 252 12 7 A 80
S53M (S53ZO,op)
159,384 916 58 C 40
S57DX 154,164 886 58 C 40
S57Q 115,752 742 52 C 40
S57UN 100,116 618 54 C 40
S53F 65,100 434 50 B 40
S51TA 221,781 1253 59 C 15
S50R 195,660 1087 60 C 15
S52ZW 158,688 912 58 C 15
S57IIO 53,550 350 51 A 15
S50K 217,710 1230 59 C 10
S56M 211,515 1195 59 C 10
S50C (S53MM,op)
196,968 1132 58 C 10

Sweden
SM7DBN 60,996 221 92 A
SM7EH 242,100 538 150 B
SM7BJW 229,749 559 137 B
SM4SX 195,453 513 127 B
SM7CIL 149,646 509 98 B
SM3EAE 104,313 319 109 B
SM7BVO 79,380 294 90 B

SM5RE 55,104 224 82 B
SM6DUA 15,486 89 58 B
SM7BQX 12,972 94 46 B
SM1HPV 6,048 56 36 B
8S0W (SM0NJO,op)
2,553 37 23 B
8S2F (SM0OGQ,op)
1,457,379 2103 231 C
7S2E (SM2DMU,op)
1,411,722 2011 234 C
SM7CQY 389,781 807 161 C
SM6WQB 339,822 651 174 C
SM0CCE 265,440 553 160 C
SM6FUD 69,540 244 95 C
SM5ALJ 30,150 150 67 C
SM5NBE 4,968 72 23 B 80
SM0J 3,000 50 20 B 40
SM7BHM 2,907 51 19 C 40
8S0F (SM0OGQ,op)
29,118 211 46 B 20
SM5T (SM5TSP,op)
2,916 54 18 A 20
SM0DRD 594 18 11 B 20
SM7N (SM7NDX,op)
90,153 567 53 B 15
SM6CRM 38,016 264 48 B 15
SM2EKA 13,500 125 36 B 15
SM5INC 169,476 974 58 C 10
SK0X 70,848 492 48 B 10
SM5CCT 28,098 223 42 A 10

Poland

SP6AYP 336,765 715 157 A
SP5DDJ 333,576 678 164 A
SP1EK 96,228 297 108 A
SP3VT 770,994 1218 211 B
SP5GDY 388,869 767 169 B
SP2DNI 308,070 630 163 B
SP3HC 222,750 550 135 B
SP3ESV 158,460 380 139 B
SQ9DXN 155,541 373 139 B
SP3DIK 122,388 329 124 B
SQ9FMU 106,029 357 99 B
SP4CQU 77,322 263 98 B
SP3XR 62,040 220 94 B
SP9MRQ 61,410 230 89 B
SP6LV 60,435 237 85 B
SP8FHJ 58,590 210 93 B
SP4AVG 51,342 199 86 B
SN4R 45,030 190 79 B
SP5LUV 25,347 119 71 B
SQ2AJI 13,536 96 47 B
SQ1EUG 6,027 49 41 B
SP8GNF 2,394 38 21 B
SN5N 786,600 1311 200 C
SN8F 39,195 335 39 C 80
SP5GH 9,375 125 25 C 80
SP2FAX 181,080 1006 60 C 40
SP4ZZ 125,628 722 58 C 40
SP9HWN 17,538 158 37 C 40
SP9EMI 16,626 163 34 B 40
SP2PIK (SQ4GXO,op)
149,016 887 56 C 20
SP8UFO 114,912 684 56 C 20
SP5WA 109,998 679 54 C 20
SN5Z (SP5UAF,op)
92,988 574 54 C 20
SP8BAB 58,650 391 50 B 20
SP2BLC 30,258 246 41 C 20
SP3KRE (SQ3HTX,op)
25,110 186 45 B 20
SP9SOU 12,342 121 34 B 20
SP9DUX 11,781 119 33 B 20
SQ9CAQ 10,593 107 33 B 20
SP5GRM 244,260 1380 59 C 15
SP9XCN 109,368 651 56 B 15
SP4DEU 96,855 587 55 B 15
SP4TKR 94,122 581 54 B 15
SP4ZO 63,960 410 52 B 15
SP2AYC 24,948 189 44 B 15
SP9ODL 19,800 165 40 B 15
SP7FGA 6,972 83 28 B 15
SP1BLE 4,623 67 23 B 15
SP9W 116,466 658 59 C 10
SP3KFH (SP3JZR,op)
82,008 536 51 C 10
SP3GTS 76,272 454 56 B 10
SP8FHK/8 65,232 453 48 C 10
SP9NSV 35,136 244 48 B 10
SP4DC 31,152 236 44 B 10
SP2JLR 21,879 187 39 B 10
SP5CGN 13,209 119 37 B 10
SP3MY 8,118 82 33 B 10
SP9GNM 4,824 67 24 B 10

Greece

SV1CIB 121,590 386 105 B
SV1BSX 99,990 330 101 B
J41YM (OK1YM,op)
246,528 642 128 C

Bosnia-Herzegovina

T95A 39,732 301 44 B 20
T97M 163,560 940 58 C 15
T99W 194,880 1120 58 C 10

Iceland

TF3GB 927,864 1578 196 B
TF3VS 42,042 182 77 B

Kaliningrad

UA2FZ 872,496 1328 219 C

European Russia

UA0KCL/3 139,113 377 123 A
RA3XO 126,390 383 110 A
RZ6HX 70,680 248 95 A
RZ4AA 6,720 70 32 A
RZ4FA 554,829 989 187 B
RA6LW 423,462 793 178 B
RA3AF 379,512 753 168 B
RN1AO 305,724 698 146 B
UA1ZZ 239,760 540 148 B
RU3FF 239,148 546 146 B
UA6HON 194,310 510 127 B
RA2FW 171,069 449 127 B
RV3DAK 153,510 430 119 B
RN4SS 149,388 422 118 B
UA4AN 139,725 405 115 B
UA1ANA 134,676 387 116 B
RN6FO 132,936 382 116 B
RU6FA 131,406 362 121 B
RU4CO 122,640 365 112 B
RD4M (UA4LU,op)
120,684 356 113 B
UA6PF/3 74,601 307 81 B
UA4FEN 65,274 253 86 B
RA4HT 57,120 224 85 B
RU3AT 54,405 195 93 B
RN4HA 49,665 215 77 B
RW4CG 49,200 200 82 B
RZ6HN 47,286 222 71 B
RA3BB 47,232 192 82 B
RW4HB 45,936 176 87 B
UA3ZBN 37,758 203 62 B
RA6LAE 36,675 163 75 B
RU3DM 25,032 149 56 B
RW3PN 22,914 134 57 B
RZ3FQ 21,063 119 59 B
RW3VZ 20,880 116 60 B
RU3WR 15,150 101 50 B
RA1TV 12,972 92 47 B
RW3SU 12,240 85 48 B
RA3TT 855 19 15 B
UA4LCH 1,331,592 1964 226 C
RK4FF 1,244,196 1938 214 C
RX3APM 1,162,158 1777 218 C
RJ1Z (RW1ZA,op)
822,096 1384 198 C
RW4PL 688,338 1214 189 C
UA4FER 673,761 1201 187 C
RZ3AZ 590,175 1075 183 C
RF4R (UA4RC,op)
581,616 1154 168 C
UA3AP 551,862 989 186 C
UA3TU 460,020 902 170 C
RU6MM 450,450 975 154 C
RA3NN 387,777 793 163 C
UA3AGW 367,416 729 168 C
RV1CC 301,290 605 166 C
RX3AEX 161,805 469 115 C
RN4WA 161,595 405 133 C
UA1AQF 143,370 405 118 C
RZ6BR 115,560 428 90 C
RW6CW 112,671 351 107 C
RU3DX 48,222 171 94 C
UA1TBK 44,019 201 73 C
RA4NF 24,192 128 63 C
RA4AI 22,680 120 63 C
UA6AAW 768 16 16 C
RN6AL 8,694 126 23 C 80
RK6BZ 3,969 63 21 C 80
UA4LY 1,440 30 16 C 40
RA1ACJ 267,480 1486 60 C 20
RA4LW 111,150 650 57 C 20
UA1CEC 35,814 254 47 C 20
RX3AP 16,680 139 40 B 20
RA3NX 14,706 129 38 A 20
RX4HX 11,118 109 34 C 20
UA1NFA 9,792 96 34 B 20
RV3YR 3,096 43 24 B 20
RZ3AA 169,035 955 59 C 15
UA6LAM 24,288 184 44 C 15
UA3AVR 20,040 167 40 B 15
RX3DBG 17,784 156 38 B 15
UA3MDX 13,365 99 45 C 15
RV3DBK 243 9 9 A 15
RA3AN 58,788 426 46 C 10
RV3ACA 49,266 357 46 B 10
RW4LE 37,269 303 41 C 10
UA6LP 240 10 8 A 10

Ukraine

US9QA 143,640 399 120 A
UU4JO 84,150 275 102 A
UR7LW 505,050 925 182 B
UT8IT 211,680 504 140 B
UY5TE 198,492 476 139 B
UU5YL 91,800 306 100 B
UT2QQ 61,143 229 89 B
UU2JA 132,864 346 128 C
UX8IX 93,936 304 103 C
UT3UZ 10,944 96 38 C
UX0IB 504 14 12 C 160
UZ7U (UT3UA,op)
36,960 308 40 C 80
UY0ZG 10,764 138 26 C 80
UR5WCQ 7,776 108 24 C 80
UW5Q (UR3QCW,op)
116,985 709 55 C 40
UT1FA 84,975 515 55 C 40
UR5IOK 68,688 432 53 C 40
UU0A 65,988 468 47 C 40
UT5IZ 3,135 55 19 B 40
UX1IL 2,880 48 20 C 40
UZ8M (US0MR,op)
159,558 917 58 C 20
UR6IJ 60,996 391 52 B 20
UR6QS 29,025 225 43 C 20
US1PM 25,092 204 41 B 20
UY5YA 15,504 136 38 C 20
UY5LQ 10,434 94 37 C 20
UT2IY 128,064 736 58 C 15
UT5UT 117,798 677 58 C 15
UT7QF 107,559 629 57 C 15
UT1IA 84,240 520 54 C 15
US7IGF 72,072 462 52 B 15
UV5U (UX1UA,op)
55,650 350 53 C 15
UX3HA 15,561 133 39 C 15
US2WU 63,666 393 54 B 10
US3QW 15,840 132 40 A 10
US5MTJ 11,664 108 36 B 10
UT8IM 2,460 41 20 C 10

Latvia

YL2PA 186,534 482 129 B
YL2BJ 130,410 345 126 B
YL2PN 104,535 345 101 B
YL2GTD 11,514 101 38 B
YL2SM 1,584,846 2174 243 C
YL2KO 1,173,582 1854 215 C
YL2GD 531,774 953 186 C
YL2KF 25,272 156 54 C
YL2LY 13,824 128 36 C 40
YL2EC 17,214 151 38 B 20
YL5M (YL2UZ,op)
81,648 504 54 B 10
YL2LW 2,451 43 19 B 10

Romania

YO6ADW 80,190 297 90 A
YO4AAC 57,021 229 83 A
YO3APJ 1,238,076 1734 238 B
YO8DHD 30,996 164 63 B
YO4CSL 11,352 86 44 B
YO2NAA 9,120 80 38 B
YO3FWC 98,487 353 93 C
YO2BEH 21,735 207 35 C 40
YO9AGI 9,072 108 28 B 40
YO5CL 27,270 202 45 C 20
YO9FYP 4,860 60 27 B 20
YO3KPA 185,310 1065 58 C 15
YO5OHO 63,759 401 53 B 15
YO4NF 103,530 595 58 C 10
YO6BHN 34,425 225 51 B 10

Yugoslavia

YU1LM 210,528 516 136 A
YU1OJ 533,520 988 180 B
4N1FG 476,190 858 185 B
YU7RN 206,220 491 140 B
YU8/S57AW 125,235 345 121 B
YT1AT 124,875 375 111 B
YU7AM 104,190 302 115 B
YU1KT 93,465 335 93 B
YU8/LZ1BJ 9,660 92 35 C
YU1RA 48 4 4 B 160
YU1KR 38,190 335 38 C 80
YT1R (YU1YV,op)
24,354 246 33 B 80
YT7A (4N7DW,op)
146,910 830 59 C 40
YT1LT 39,564 314 42 B 40
YU1ATA 0 0 0 C 40
YT9X 272,340 1513 60 C 20
YT0A 204,450 1175 58 C 15
4O6A (Z32AF,op)
198,012 1138 58 C 15
YT1LD 176,436 1014 58 B 10
YT1BB 141,777 801 59 C 10
YU7W 112,404 646 58 B 10
4N1SM 99,528 572 58 C 10
YU7SF 46,158 314 49 B 10
YU1HA 46,008 284 54 B 10
YU7KM 45,543 323 47 B 10

Macedonia

Z36W 376,752 752 167 C
Z35M 257,280 640 134 C
Z32LM 9,690 95 34 B 15

North America

Barbados

8P9NX 229,992 518 148 B

Bahamas

C6AGS (KI6T,op)
537,516 948 189 B
C6AMM (K1CN,op)
6,426 63 34 B
C6A/K7RE 166,026 938 59 B 80
C6AKQ 229,140 1273 60 C 40

Guadeloupe

FG/YL2KL 3,685,407 3851 319 C

Honduras

JA6WFM/HR3
140,745 853 55 C 10

Grenada

J38A (K4LTA,op)
2,094,960 2408 290 B
J37ZA (K2KQ,op)
3,128,664 3386 308 C

St Lucia

J6/G3TBK 839,322 1727 162 B

Alaska

KL7AC 435,333 961 151 A
KL7WV (W3YQ,op)
1,821,807 2031 299 C

Virgin Islands

WP2Z (N2NI,op)
3,148,761 3311 317 C

St Maarten Saba St Eustatius

PJ7/ND5S 1,976,688 2226 296 B

Costa Rica

TI7/N4MO 208,278 1197 58 B 15

Antigua & Barbuda

V31AH (W0AH,op)
958,365 1395 229 A

Belize

V31JP (K8JP,op)
3,856,620 3980 323 C
V47KP (W2OX,op)
2,767,770 3015 306 C

Turks & Caicos Islands

VP5GA (N2GA,op)
3,586,320 3516 340 B
VP5U (AJ6V,op)
4,043,637 4199 321 C

Bermuda

VP9/W6PH
3,017,556 3076 327 B

Mexico

XE1/N6AN 2,199,996 2657 276 B
XE1ZOI 674,730 1190 189 B
XE2AUB 1,296 24 18 B
XE2AC 44,100 294 50 C 160
XE1RGL 17,415 135 43 B 15

Nicaragua

H6C (YN4SU,op)
63,063 429 49 B 80

Oceania

Philippines

DU7/N7ET 121,776 344 118 A
DU1EV 11,610 90 43 B
DU3/K6IP 2,112 32 22 B
DU3NXE 145,440 404 120 C

Mariana Islands

KH0/JM1LRQ
1,319,310 2055 214 B

Hawaii

KH7R (KH6ND, op)
4,351,074 4291 338 C

Australia

VK2APK 331,584 704 157 B
VK4UC 181,500 484 125 B
VK5GN 1,040,400 1445 240 C
VK2QF 15,840 96 55 C
VK2AYD 100,965 635 53 B 10
VK4TT 27,675 205 45 B 10

Indonesia

YB2UDH 45,612 181 84 B
YB0GJS 75,570 458 55 B 20

New Zealand

ZL2BR 393,210 771 170 B
ZL6QH (ZL2III,op)
977,676 1442 226 C
ZL1TM 11,322 111 34 B 40
ZL1GO 34,272 238 48 B 15
ZL3GA 14,040 120 39 B 10

South America

Chile

XQ1ZW 612,696 1042 196 B
CE8FGC 81,000 500 54 B 20

Argentina

LU5FF 709,632 1344 176 B
LU1EWL 483,252 1046 154 B
LU8DW 480,168 1053 152 B
LW8DLB 19,116 108 59 B
LU1DZ 180,750 482 125 C
LU/N5KO 7,770 74 35 C
LW9DAH 146,850 890 55 C 20
LU1BCE 98,334 607 54 C 15
LR7A (LU7AWP,op)
150,528 896 56 B 10
LU7EE 94,284 582 54 A 10
LW3ETE (LW7DX,op)
85,698 529 54 B 10
LU7DNN 33,135 235 47 B 10

Peru

OA4SS 1,746,168 2347 248 C

Aruba

P40W (W2GD,op)
3,899,097 3903 333 B
P43JB 90,576 296 102 C

Brazil

PY1KS 112,224 334 112 A
PY3AU 35,235 145 81 B
PP7ZZ 4,620 44 35 B
PV8DX 79,866 493 54 B 80
PR7AR 10,476 97 36 B 40
PY3MM 6,384 76 28 B 40
PY2NY 103,656 617 56 B 20
PY2KN (PY1KN,op)
196,560 1092 60 C 15
PY2YU 183,396 1054 58 C 15
PY3CQ 29,025 225 43 B 15
PY3DX 83,916 518 54 B 10
PY4FQ 13,440 128 35 B 10
PY2NDX 7,524 76 33 B 10

Venezuela

YV7QP 138,546 358 129 B
YV4GLD 98,010 594 55 C 80

Single Operator Assisted

Asia

JN2AMD 1,138,371 1717 221 C
JY9NX (JM1CAX,op)
1,123,626 1726 217 C
JH7BZR 593,607 1229 161 C
JH3LFL/1 345,762 674 171 B
JI1EFP 330,084 692 159 B
JA9XBW 170,820 438 130 B
JQ1NGT 111,321 651 57 C
HS0ZDJ (W2YR,op)
91,464 296 103 C
7N2UTO 51,120 213 80 B
UA0AGI 44,604 177 84 C
JK2VOC 1,890 35 18 B

Europe

DK3GI 2,446,386 2902 281 C
M0SDX 2,328,339 2951 263 C
DK8ZB 2,284,200 2700 282 C
OT2L 1,808,325 2565 235 C
OH6NIO 1,507,257 2253 223 C
G3LZQ 1,281,180 1630 262 C
OM5AW 1,168,170 1693 230 C
IK2AHB 1,111,851 1677 221 C
RA3AJ 1,107,282 1766 209 C
OK1DG 1,044,288 1568 222 C
LY2OX 1,023,102 1509 226 C
DJ9RR 752,637 1189 211 C
RV2FW 740,544 1216 203 C
YL0A (YL2KA,op)
684,405 1135 201 B
IR2K (IK2HKT,op)
595,920 1040 191 C
DL6KVA 595,137 1007 197 C
IK0YVV 550,800 1200 153 B
OE8CIQ 544,968 1044 174 C
OK1KT 537,030 918 195 C
PA5KT 492,906 727 226 C
SM5D 430,128 824 174 C
OH4XX 355,470 697 170 C
OK2ZW 321,030 738 145 C
SK6HD (SM6FKF,op)
309,600 645 160 C
EA3GIP 214,776 456 157 B
SP5AKG 200,070 494 135 B
HA9OA 121,500 405 100 B
DF5ZV 105,537 277 127 C
YO4RHK 71,022 266 89 B
S53AU 39,525 155 85 B
IK2SAE 30,753 153 67 B
SM5AJV 23,517 117 67 B
IO2L (IK2NCJ,op)
10,320 86 40 C
SV1XV 4,788 42 38 B

North America

V26G (N2ED,op)
3,936,000 4100 320 C

Multioperator Single Transmitter

Asia

JR3NZC (+JK2VOC,JF2VAX,JJ2TKX, JO2AXB)1,505,175 2135 235 C
JA2ZJW (JH2CMI,JA2XYO,JI4RDO, JK2XXK,JI2KVW,JM4MGM,ops)
1,449,480 2056 235 C
JA1YNE (JP1OGL,JR1NKN,ops)
1,012,176 1584 213 C
JA2YKA (JH3FBK,JP2QWO,JQ2CIK, JP2XEC,JQ2AGV,JN2FMH,ops)
660,282 1106 199 C
RK9JWZ (UA9JJ,UA9JMS,UA9JMM, UA9JLQ,UA9JMD,ops)
299,061 707 141 C
RW9QA (+UA9QCP)
204,000 500 136 C
RZ0IWR (UA0IAS,UA0IHA,ops)
65,016 387 56 B

Europe

HG1S (HA1TJ,HA1DAE,HA1DAC, HA1AG,HA1DAI,HG6N,HA2NA,HA2SX)
2,861,685 3347 285 C
OM7M (OM3KAP,+ops)
2,761,200 3120 295 C
OL3A (OK1AY,OK1DX,OK1FCJ, OK1DRQ,OK1CM,ops)
2,639,385 3087 285 C
OE2S (OE2LCM,OE2VEL,OE2WPO, ops) 2,542,788 3071 276 C
RW2F (RN2FA,RA2FA,UA2FP,ops)
2,537,640 3021 280 C
SP3KEY (SP3RBR,SP3HRN,SP3BLP, SQ3HMM,SP6HEQ,SP3DWQ,ops)
2,208,234 2842 259 C
OL7R (OK1XVU, OK1WMV, OK1VMK, ops) 2,027,193 2609 259 C
SN8V (SP8GQU,SP8GWI,SP8HZZ, SP8ARY,SP8LBK,SP8NCF,ops)
1,799,256 2458 244 C
LY1YK (LY2CO,LY2FY,LY3CO,ops)
1,700,640 2362 240 C
DL0DX (DK2OY,DL5JS,DK5KUT,ops)
1,650,906 2237 246 C
9A5D (9A2AA,9A3ID,9A3NY,9A3DU, 9A4NC,9A5DU,9A3GA,ops)
1,628,766 2207 246 C
YL7C (YL2MD,YL2GQT,ops)
1,173,312 1746 224 C
4N7N (YT7KM,YU7QL,ops)
1,077,024 1726 208 B
YZ1V (YZ1ZV,YT1HA,4N1FAN,ops)
969,420 1510 214 B
OH2U (OH6EI,OH6LK,ops)
818,100 1350 202 C
OM3KHO (OM4EX,OM4XA,ops)
736,800 1228 200 C
II2V (I2SVA,I2SXZ,I2MBC,I2FUG, I2JIN,ops) 671,427 1223 183 C
OM3KZA (OM3TPN, OM3CUG, OM3YDX, OM6FN, ops)
548,928 953 192 B
OL2A (OK2PDK,OK21PEM, OK2HBY,ops)
440,004 991 148 C
UR4E (UR5EDX,UR7EO,UR7EU,ops)
239,904 544 147 C
UT9F (UT9FJ,UT4FJ,UR5FAI,UR0FO, ops) 205,824 512 134 C
ES1XT (ES1CR,ES1DG,ES2JL,ops)
92,247 317 97 B
UR4PWC (US-P-361,US-P-363,ops)
76,452 277 92 B
SP9KRT (SP9UXI,SP9-1753,ops)
72,030 245 98 B
UR4LWY (UR5LJC,UR4LQA, UR3LFU,ops)37,740 148 85 C
SP9KOV (SP9HAX,SP9EMI, SP9CTS,ops)31,296 163 64 B

Antarctica

R1ANC (RW1AI,UA1PAC,ops)
72,600 275 88 B

North America

8P9JA (K4MA,AA4NC,ops)
5,133,441 4903 349 C
ZF2NT (N6NT,N6XI,ops)
5,094,336 5024 338 C
ZF1A (W5ASP, K5WA, K6AM, ops)
4,786,950 4559 350 C
6D2YFM (K1OJ,N5TU,W5SB,W5MJ, N1LN,XE1YFM,ops)
4,337,658 4329 334 C
KL7Y (+W8LU,KR8V)
3,802,554 4102 309 C
T48K (CO8ZZ,CO8DM,CO8JY,ops)
3,409,776 3508 324 C
KG4DZ (W4ZYT,W4SD,N8CH,KU4EC, N6ZO,ops)
3,177,366 3373 314 B

South America

PJ2T (KP2L,N8LGP,W8AV,W8TK, W9EFL,W0CG,ops)
4,333,560 4312 335 C
OA4O (OA4DKC,OA4DMR,ops)
2,776,284 3353 276 C
CX5BW (+CX7BY, CX8CP)
1,300,476 2146 202 C

Multioperator Two Transmitters

Asia

JA1YFG (JL7MYL,7M4DPF,7N4QHY, ops) 1,519,746 2102 241 C
RU0LL (+RW0LZ)
878,187 1471 199 B

Europe

RU1A (RU1AA,RW1AC,RV1AW, RX1AA,UA1ARX,UA1AKC,RA1AR,ops)
3,987,210 4583 290 C
9A7A (LA5IIA,9A4RX,9A7V,9A3OS, 9A3TR,9A4PA,9A2ME,9A8A, ops)
3,766,008 4241 296 C
OH0R (OH2PM,K6AW,ops)
3,765,720 4483 280 C
HG6N (HA2NA,HA2SX,HA3OV,HA6ND, HA6NF,HA6NY,HA6PX,YO5BRZ, ops)
3,661,038 4374 279 C
ES6Q (ES5MC,ES5MG,ES5QX, ES5RN,ES5RY,ops)
3,300,387 4183 263 C
RM6A (RA6AX,RA6CO,RA6CM, RU6CQ,RN6BN,ops)
3,114,272 3732 282 C
OL7W (OK1DUT,OK1FUT,OK1AU, OK1EP,OK1HCG,OK1DRY,OK1FDR,op)
2,961,288 3739 264 C
SK3W (SM3OSM,SM3SGP,SM5IMO, ops) 2,452,056 2878 284 C
UU2JQ (+UU4JMG,UU5JBO,UU0JM, US-J-079)1,933,620 2405 268 C

Multioperator Unlimited Transmitters

Asia

JA3YBK (JG3KIV,JI3OPA,JH4NMT, JF4FUF,ops)
3,568,740 4060 293 C
JA1YPA (JA1PEJ,JH1FDP,JF1EQA, JL1SXQ,JK2RCP,ops)
1,268,148 1948 217 C

Europe

MD/DL5AXX (+DL4LQM, DL4WG, DL5LYM, DL8WAA)
6,063,552 6336 319 C
9A1A (9A5W,9A3GW,9A5K,9A6A, 9A6D,9A7R,9A8W,9A9A,ops)
5,620,692 5929 316 C
LY7Z (LY2CY,LY2GV,LY2TA,ops)
3,503,520 4055 288 C
OZ5W (OZ1FTU,OZ1KRF,OZ3W,ops)
3,341,844 3828 291 C
LY7A (LY4AA, +ops)
2,880,459 3543 271 C
YZ7A (YU7CM,YU7KC,YU7BW,YT7DQ, YU7LM,4N7ZZ,YU7JDE,ops)
2,012,310 2570 261 C
M3S (G0WAT,G4DDX,G4BYE,ops)
239,592 536 149 B

South America

LT1F (LU1AEE, LU1FAM, LU1FKR, LU1FT, LU5DX, ops)
2,577,390 3242 265 C

Checklogs: DL2CML, DL3VC, DL5NA, G3LUW, HA3A, HB9LDO, JA0HC, K6FM, LZ2DD, LZ2SX, OK1DSU, OK1EV, OK1GS, OK2BOV, PT7WA, RK6HG, RU3DG, SM0WRA, SP2AVE, SP4HHI, SP6CES, SP6NIC, SP9DNO, SP9DTH, SP9MDY, TI2KAC, TU2MA, UA0CA VE3EF, WA2QQF, WB2JGD, WB4RUA, YL5W