2004 IARU HF World Championship Results

"Very interesting contest. Never a dull moment. This contest has great rules, and great all-band activity. Hard to complain about a contest that gives you 100/hrs all contest long!"—N9RV

Carl Luetzelschwab, K9LA
Editor, *National Contest Journal (NCJ)*

Pat, N9RV, really seemed to sum up the 2004 running of the IARU HF World Championship on July 10 and 11. The creation of High, Low, and QRP sub-categories under each of the three Single Operator categories (Mixed, Phone-only, CW-only) brought a distinct new flavor to the contest.

Summary

With new categories it is not surprising that the 2004 HF World Championship set a new record for the number of logs received. The 2479 logs received is up 32% from last year, and beats the old record (2105 logs in 2001) by almost 18%. The trend in the number of logs received is increasing.

This year's event had submissions from 49 of the ITU zones. With many ITU zones over open sea, it's obvious that having participation from all zones is not very likely. But a look at an ITU zone map shows that participation from at least 60 zones could be a reality. How about some of you DXpeditioning contesters? Some of the "easier" zones needing activation are 5 (OX), 17 (TF), 46 (9L, 5N, etc), 47 (TT, etc), 51 (P2, YB, H4), and 52 (D2, etc). (See "Zone Participation by Year" graph.)

The zone with the most logs submitted this year was again Zone 28 with 354 logs. Zone 8 followed with 264 logs.

Loud for a reason—Andi, UA3DPX, the 5th place finisher worldwide in the Single Operator Low Power Mixed Mode category.

Tight Races

There were several tight races in the World scores and in the W/VE scores. On the overall world stage, two stand out in particular.

In the Single Operator Phone High Power category, Dimitry, UT5UGR,

Results by Power Level

Category	Station	Zone	Score	QSOs	Mults
SO CW QRP	HA5IW	28	1,202,058	1850	234
SO CW Low	UN7MO	30	1,198,600	1655	250
SO CW High	RD3A	29	2,682,192	2626	323

World Wide Top Ten

Single Operator Mixed Mode QRP

HG5Z (HA1CC, op)	1,046,964
YU1LM	207,315
NA4CW	131,712
K5NZ	112,270
DF1DX	76,494
KA1LMR	71,690
W6AQ	68,256
ES6PZ	64,390
MM3AWD	55,596
SP9RQH	40,756

Single Operator Mixed Mode Low

HG3M (HA3MY, op)	2,095,522
YT5A	1,814,272
CS6T (CT1ILT, op)	1,728,202
OH4R (OH4JFN, op)	1,228,752
UA3DPX	1,115,000
RW3GU	1,061,292
UA9CDC	855,376
DL2RMC	790,600
OH6NIO	758,688
RU9DD	655,894

Single Operator Mixed Mode High

3V8BB (YT1AD, op)	4,287,712
DL6FBL	2,995,272
RG9A (UA9AM, op)	2,941,056
A61AJ (S53R, op)	2,933,718
RK4FF	2,890,880
YT6A	2,834,170
IH9/OL5Y	2,674,992
OH0R (OH2PM, op)	2,463,504
RN3QO	2,223,277
EA3KU	2,076,375

Single Operator Phone Only QRP

UA3BL	284,931
KP4KE	204,477
WA0VBW	57,954
SQ2DYF	44,172
M5AAV	40,579
SM6CRM	22,715
DL2EF	9,900
JA2MWV	6,253
DB6FO	5,460
YO8CQM	4,350

Single Operator Phone Only Low

ZX2B (PY2MNL, op)	670,208
UR5MNZ	422,184
G3PJV	392,238
G3VAO	391,988
ST2T	381,388
XE2K	347,070
YR5A (YO5TE, op)	344,350
IK2DZN	334,488
DL2DBH	333,207
CT1DHM	329,300

Single Operator Phone Only High

UT5UGR	2,009,079
OK1RI	1,917,452
HG8R	1,793,371
OH2BH (SM0WKA, op)	1,746,537
S50A	1,647,499
S57DX	1,502,205
S57UN	1,307,873
YT7A (YT7WA, op)	1,298,475
US5D (UT7DX, op)	1,239,327
K5TR	1,171,233

Single Operator CW Only QRP

HA5IW	1,202,058
HG1W (HA1WD, op)	612,942
YT7TY	402,810
LY2MW	337,306
LY4BF	279,480
G3YMC	192,424
HA0GK	168,883
OK1JOC	150,328
SM0GNS	118,160
DL8MBS	104,788

Single Operator CW Only Low

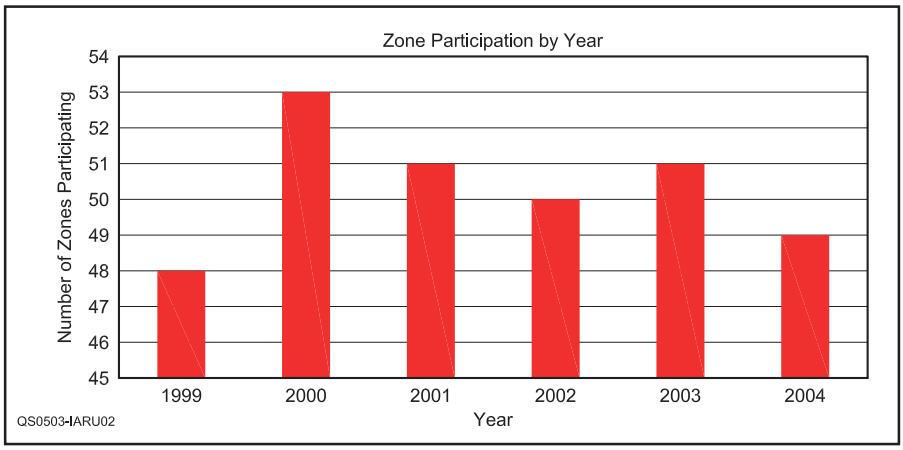
UN7MO	1,198,600
UA4FER	1,151,500
VE3DZ	1,022,726
RN6AL	849,456
N4PN	841,617
OK2ZC	836,836
S57J	809,416
UY8IF	797,720
UR3HC	760,092
RW3GB	719,178

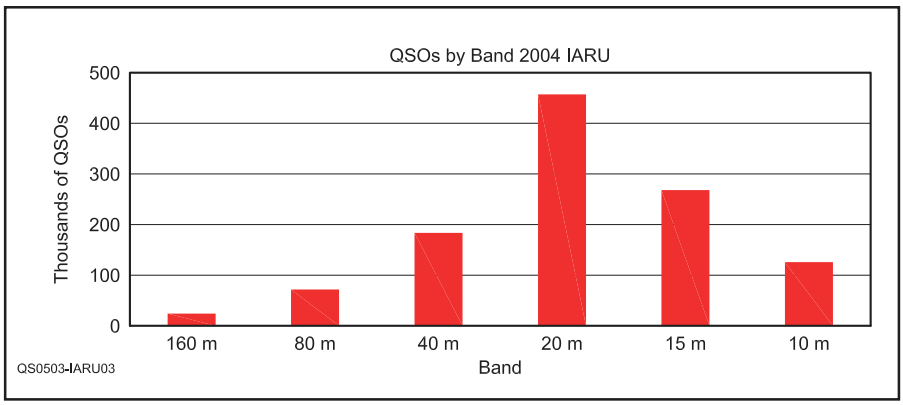
Single Operator CW Only High

RD3A	2,682,192
N9RV	2,334,270
K3CR (LZ4AX, op)	1,971,333
OH2PM (OH1WZ, op)	1,963,880
VY2ZM	1,960,374
RA9JR	1,833,192
G1W (M0SDX, op)	1,760,552
HA8DU	1,741,480
K4ZW	1,702,386
RZ3AZ	1,645,344

Multioperator

5B/RW4WR	4,524,170
RT9W	3,640,890
LY7Z	3,320,461
RL3A	3,227,064
HG1S	3,185,595
PS2T	3,094,344
HG6N	3,085,551
RY4J	2,279,952
RZ9OZO	2,170,744
K4JA	2,038,155





If you worked 3D2BY, this was what the other end looked like—it was Norm, W1BYH. Only a handful of Qs and Mults, but any contact with Zone 56 was appreciated.

Headquarters Stations

Call	*QSOs*	*Mults*	*Score*
DAØHQ	23093	441	20,264,391
SNØHQ	18387	437	18,621,007
R7HQ	13332	435	17,882,415
TMØHQ	15792	401	17,592,271
GB5HQ	14856	415	17,543,295
9AØHQ	14138	421	15,473,855
EM7HQ	12250	422	15,111,398
YT8ØHQ	12724	384	11,994,240
LYØHQ	10466	390	11,974,170
OL4HQ	11583	386	11,646,392
IUxHQ	11844	326	10,650,150
YRØHQ	10912	414	10,635,660
T9ØHQ	10757	363	9,724,770
P4ØHQ	6097	316	8,765,208
HGØHQ	9897	368	8,581,392
PA6HQ	7694	345	8,284,830
OExXHQ	10157	22	8,199,360
LZØHQ	7808	345	6,344,550
SK9HQ	6352	299	6,027,541
W1AW	7388	271	5,995,875
NU1AW	6108	298	5,752,294
EW5HQ	5073	314	4,490,514
LN2HQ	4483	279	3,973,518
8NxHQ	6237	210	3,444,840
VE7RAC	4015	211	2,902,094
OH2HQ	3620	201	2,436,723
B4HQ	2981	222	2,031,966
PJ2HQ	2105	185	1,736,595
OZ1HQ	2422	220	1,653,960
EAxURE	2260	156	1,051,752
OY1CT	1441	199	843,959
HB75A	1752	182	663,572
YL4HQ	1030	183	460,062
CX1AA	765	129	442,728
ATxHQ	733	124	351,540
ZL6A	578	117	302,094
HSØAC	603	103	229,896
YV5AJ	334	104	141,752
4LØHQ	442	107	130,754
VR2HK	272	70	49,840
4X4ARC	200	50	43,700

edged out Jiri, OK1RI, by only 4.8%. The difference was UT5UGR's 107 more QSOs and 5 additional multipliers. A few multipliers more or less could have tilted the balance in this one.

In the Single Operator CW Low Power category, Nick, UN7MO, in Kazakhstan squeaked by Igor, UA4FER, in European Russia by 4.1%. Although Nick had 277 fewer QSOs and 50 fewer multipliers than Igor, his QTH in Zone 30 gave him enough higher-point QSOs to claim victory.

There were also three tight races among W/VE scores that caught our attention. In the Single Operator Mixed Low Power category, Felix, VE2/DL7FER, took advantage of the points-per-QSO rule to beat Don, W9IU, by 6.9%, even though he had 96 fewer QSOs and 19 fewer multipliers. Higher point QSOs do make a huge difference in this contest.

Single Operator Phone Low Power operator Fred, KK1KW, snuck by Ryan, N8RY, by 6.2% in a tight category. KK1KW had 288 fewer QSOs, but managed to put 41 more multipliers in the log.

In the Single Operator Phone High Power category, there was a close three-way race between George, K5TR; Mitch, K7RL, and Jerry, WB9Z. George came out on top by virtue of having the most QSOs and most zones. But Mitch (thanks to a JA opening on 15 m) and WB9Z weren't too far behind. George's win is his third in the last four years, interrupted only by his participation on the W1AW/5 HQ operation in 2002.

The UN7MO versus UA4FER results and the VE2/DL7FER versus W9IU results show that carefully picking your QTH for the contest can mean the difference between first place and second place.

QRP Scores

The results by power level (see table) in the Single Operator Mixed and Phone categories nicely follow the power level. But the CW category scores show an exceptional effort by Simon, HA5IW, in the QRP category.

HA5IW had enough QSOs and multipliers not only to take First Place in the SO CW QRP category, but he also even squeaked by the SO CW Low power winner Nick, UN7MO. This was a great effort indeed! I have asked Simon to consider writing an article for *NCJ* (the *National Contest Journal*) about his outstanding QRP effort.

HQ Stations

Congratulations to the DAØHQ team for their First Place finish. Second Place went to the SNØHQ team. The difference between these two groups was only 4 multipliers, but DAØHQ had about 4700 more QSOs. These two stations mobilize the members of their IARU societies to get on the air.

Europe led the pack with 28 HQ stations. Asia had 6 HQ stations (8NxHQ took top Asia honors), North America had 4 HQ stations (W1AW/Ø took top honors), South America had 3 HQ stations (P4ØHQ took top honors), and Oceania had 1 HQ station.

W/VE Top Ten

Call	Score
Single Operator Mixed Mode QRP	
NA4CW	131,712
K5NZ	112,270
KA1LMR	71,690
W6AQ	68,256
W6RCL	30,438
K4AQ	12,670
NA4BW	6,642
W6IXP	2,816
N4CU	868
WA6NOL	112
Single Operator Mixed Mode Low	
VE2/DL7FER	453,870
W9IU	424,438
VE3XD	302,035
WO4O	279,152
NF4A	228,238
VE2AWR	220,704
W0VX	214,830
W0YR	209,157
VE4YU	191,422
N6NF	181,328
Single Operator Mixed Mode High	
VE3EJ	2,010,580
VE3AT	1,769,952
VE3JM	1,197,742
VE3EY (@VE3SY)	1,163,430

Call	Score
N9AG	1,118,214
K6XX	1,096,656
K3ZO	1,091,415
W5WMU	864,456
W6UE	814,260
N4ZZ	556,636
Single Operator Phone Only QRP	
WA0VBW	57,954
K5YM	910
WB0IWG	3
Single Operator Phone Only Low	
KK1KW	158,080
N8RY	148,857
NJ2F	116,725
K1WO	93,677
VA3OX	82,056
N7VMR	63,516
W8KNO	57,672
AB4GG	45,375
W3LL	39,501
K2RED	39,123
Single Operator Phone Only High	
K5TR	1,171,233
K7RL	1,095,990
WB9Z	1,033,175
N5LT	931,944

Call	Score
VE1JX (K6HNZ, op)	755,136
K5NA (KI5DR, op)	740,960
K7ZSD	675,104
N5OT (WM5R, op)	475,984
N3HBX	395,740
WP2Z (K8MJZ, op)	374,436
Single Operator CW Only QRP	
KG5U	85,008
NJ4X	68,874
VA3NR	63,600
AA1CA	38,280
NU4B	14,848
W8TM	13,248
N2JNZ	12,909
K5UV	11,375
NI8W	11,328
K2EKM	11,176
Single Operator CW Only Low	
VE3DZ	1,022,726
N4PN	841,617
K8IA	470,550
K4OGG	406,720
WB4TDH	387,328
N5TW (KE5C, op)	359,156

Call	Score
W0AIH (K8GU, op)	332,920
WK2G	318,570
W4QM	268,422
WB2AA	266,668
Single Operator CW Only High	
N9RV	2,334,270
K3CR (LZ4AX, op)	1,971,333
VY2ZM	1,960,374
K4ZW	1,702,386
K1TTT (N2OW, op)	1,641,211
W1WEF	1,535,355
KT1V	1,535,020
K5ZD	1,519,518
K5GN	1,516,836
N4AF	1,511,171
Multioperator	
K4JA	2,038,155
NK7U	1,549,935
KB1H	1,356,784
N3AD	1,294,618
NO2R	1,201,288
NX5M	1,156,320
N5YA	897,870
WK6O	541,260
WW4LL	516,578
AA5NT	506,088

Continental Leaders

Class: A = Single Op Mixed, B = Single Op Phone Only, C = Single Op CW Only, D = Multiop, HQ = Headquarters station; Power: A = QRP, B = Low, C = High

Class	Power	Call	Score
Africa			
A	B	CT3EE	134,820
A	C	3V8BB (YT1AD, op)	4,287,712
B	B	ST2T	381,388
B	C	ZS4TX	708,722
C	B	SU9US	226,156
C	C	ET3TK (OK1DF, op)	880,844
D		ZT6T	151,129
Asia			
HQ		8NxHQ	3,444,840
A	A	JH7XMO	24,180
A	B	UA9CDC	855,376
A	C	A61AJ (S53R, op)	2,933,718
B	A	JA2MWV	6,253
B	B	RA9AU	327,978
B	C	UA9JDP	876,432
C	A	UN7CN	48,240
C	B	UN7MO	1,198,600
C	C	RA9JR	1,833,192
D		5B/RW4WR	4,524,170
Europe			
HQ		DA0HQ	20,264,391
A	A	HG5Z (HA1CC, op)	1,046,964
A	B	HG3M (HA3MY, op)	2,095,522
A	C	DL6FBL	2,995,272
B	A	UA3BL	284,931
B	B	UR5MNZ	422,184
B	C	UT5UGR	2,009,079
C	A	HA5IW	1,202,058
C	B	UA4FE	1,151,500
C	C	RD3A	2,682,192
D		LY7Z	3,320,461

Class	Power	Call	Score
North America			
A	B	V31KG (KG9N, op)	317,344
A	C	V44NK (EW1AR, op)	498,617
B	A	KP4KE	204,477
B	B	XE2K	347,070
B	C	ZF2AH	388,814
C	B	XE1MM	59,228
C	C	TI3M (TI3TLS, op)	536,969
D		HR2RCH	8,395
Oceania			
HQ		ZL6A	302,094
A	B	ZL1TM	178,020
A	C	ZL1V (ZL1CT, op)	988,368
B	B	DU1BP	58,080
B	C	DU9RG	156,972
C	B	5W0TR (K8AQM, op)	115,895
C	C	KH6WT (K1YR, op)	1,241,220
D		AH0/NA8O	263,934
South America			
HQ		P40HQ	8,765,208
A	B	LU5EML	218,280
A	C	PY2MTV	4,560
B	B	ZX2B (PY2MNL, op)	670,208
B	C	LU1NDC	757,464
C	A	CX2AQ	30,340
C	B	4M5X	614,438
C	C	LU7EE	400,890
D	C	PS2T	3,094,344

IARU Administrative Council

G3BJ		1,926,760
K1ZZ		1,649,836
VE6SH		12,628

IARU Regional Officials

R1	PB2T	18,308
R1	LZ1US	1,125
R2	PT2ADM	67,600
R3	9V1UV	70,432

IARU Stories in *NCJ* and in the Web Version

The November/December 2004 issue of *NCJ* contains two narratives of IARU contest efforts: SNØHQ by SP5UAF and IK2DZN by IK2DZN. In the same issue, WØCG's wife Cindy contributes her interesting observations of the PJ2HQ operation. The January/February 2005 *NCJ* has snippets about the contest compiled by N3BB. All of these are also available on the Web version of this report.

Also be sure to check out the "2004 IARU HF World Championships" soapbox comments at **www.arrl.org/contests/soapbox**.

Propagation

This year's contest was blessed with quiet geomagnetic field activity (the planetary K index Kp remained at or below 3 throughout the entire contest period) and low solar activity (no X-ray flares were observed on Saturday and only a magnitude C4.2 flare was observed right at the end of the contest on Sunday). The smoothed sunspot number for July 2004 is expected to come in at around 40, so for all intents and purposes this determined the propagation conditions for the contest.

"20 was a real workhorse and it was open all the time from here. I think I missed at least a dozen mults by not spending enough time on 15 and 10."—VE3EY

This comment from VE3EY is what would be expected of the summer ionosphere for stations in the northern hemisphere. With summer daytime MUFs (maximum usable frequencies) being lower than winter daytime MUFs, the number of QSOs on 15 and 10 m would be significantly fewer. And with longer hours of daylight during the summer, the number of QSOs on the lower bands would suffer, too. [See the "QSOs by Band" graph.] Obviously many people spent lots of time on 20 m.

"Mother nature gave us a nice lift at 1 AM Sunday morning with a rip-roaring JA opening on 15m. That little surprise added about 250 five-pointers to the log during what is typically a slow period. It sure pays to check those would-be dead bands."—K7RL

The surprise 15 m opening from Washington State to JA is a little tough to explain without digging very deeply into space weather and ionospheric data. Regardless of how it happened, it's a reminder that we don't know everything. If you have an extra receiver available, next year it might be beneficial to let it sit on the NCDXF/IARU beacon frequencies to catch any of these unusual openings.

2005 Contest

The 2005 IARU HF World Championship will be held the weekend of July 9-10. The announcement will be published in the April 2005 issue of *QST* and the full rules will be found on-line at **www.iaru.org/contest.html**. Hope to see you in the 2005 event! QST

Scores are sorted first by ITU Zone then by ARRL\RAC Section or DXCC entity with in the zone. For US stations, they are sorted first by US call area within the zone. Next they are sorted by operating category (A=Single Op Mixed Mode, B-Single Op Phone Only, C=Single Op CW Only, D=Multioperator) then by power for single operator categories (A=QRP, B=Low, C=High).

Call	*Score*	*QSOs*	*Mult*	*Cat*	*Power*
Zone 1					
7					
Alaska					
W1FM	29,856	188	48	A	B
N1SOH	21	3	3	B	B
KL7DX	276,340	990	82	D	
Zone 2					
Alberta					
VA6MM	33,540	174	65	B	C
VA6XDX	26,871	194	53	C	C
VE6BF	102,919	301	101	C	B
VE6AO	413,595	1162	117	D	
British Columbia					
VE7NS	33,217	174	59	A	B
VE7UQ	17,745	141	39	B	B
VA7XX	338,082	712	134	C	C
VE7UF	74,880	297	65	C	C
VA7ST	125,488	460	88	C	B
VA7LC	75,690	258	90	C	B
VA7CAB	3,000	48	24	C	B
VA7MM	4,144	50	28	C	A
VE7FO	210,635	622	103	D	
Northern Territories					
VY1JA	5,219	104	17	C	B
Zone 3					
Manitoba					
VE4YU	191,422	534	113	A	B
VE4VID	1,625	44	13	B	B
Zone 4					
Ontario					
VE3EJ	2,010,580	2193	247	A	C
VE3AT	1,769,952	2179	206	A	C
VE3JM	1,197,742	1713	182	A	C
VE3EY (@VE3SY)	1,163,430	1684	186	A	C
VE3/W1AJT	114,932	296	118	A	C
VE3XD	302,035	649	145	A	B
VE3SUN	109,585	369	101	A	B
VA3IX	14,478	109	38	A	B
VE3MGY	2,736	56	18	A	B
VA3PL	110	8	5	A	B
VA3JFF	76	7	4	A	A
VA3OX	82,056	344	78	B	B
VE3TW	19,278	121	54	B	B
VA3FP	13,026	106	39	B	B
VA3UOT (VE3RFT)	1,456	38	14	B	B
VE3ZIG	1	1	1	B	B
VE3DZ	1,022,726	1429	202	C	B
VE3KP	235,708	619	121	C	B
VE3IAY	101,160	356	90	C	B
VE3OM	100,240	259	112	C	B
VA3RJ	49,580	216	74	C	B
VE3TAZ	41,172	204	73	C	B
VA3XRZ	36,240	211	60	C	B
VE3UKR	13,488	101	48	C	B
VA3HUN	627	19	11	C	B
VA3NR	63,600	286	75	C	A
Quebec					
VE2AWR	220,704	592	121	A	B
VE2GLA	552	26	12	A	B
VE2DC	954	22	18	B	B
VE2QY	67,704	240	78	C	B
VE2FFE	13,940	122	41	C	B
VE2HLS	11,808	102	36	C	B
VE2XAA	2,574	44	22	C	B
Zone 6					
6					
East Bay					
KE6ZSN	114,704	653	67	A	C
KE6QR	29,700	197	50	A	B
KI6OY	2,394	62	14	A	B
K6JAT	27,240	156	60	B	C
WB6RNS	4,176	55	24	B	B
N6RO	18,096	136	39	C	C
Los Angeles					
N6ED	495,180	1149	131	A	C
KU6T	38,994	209	67	A	B
WA6OWM	3,132	46	27	A	B
W6AQ	68,256	303	79	A	A
W6RCL	30,438	199	57	A	A
KB6FB	121,114	536	82	B	C
N6AA	329,291	676	139	C	C
WA6BOB	8,352	86	36	C	B
Orange					
K6NR	498,790	1012	155	A	C
N6QQ	50,050	245	70	A	B
WA6NOL	112	8	4	A	A
KE6RIN	1,734	33	17	B	B
N6PE	4,690	52	35	C	C
W8KIE	30,149	183	59	C	B
W6ZL	12,426	101	38	C	B
WK6O	541,260	1422	124	D	
Sacramento Valley					
W6UE	814,260	1572	164	A	C
K6TA	253,504	606	136	A	C
K6LRN	219,042	506	129	A	C
K6ST	39,360	217	60	B	C
NU6T	750	25	10	B	B
W6FA	229,026	439	133	C	C
W6RKC	29,832	178	44	C	C
NT6K	123,000	577	82	C	B
W6NKR	54,288	173	87	C	B
K6DGW	23,532	163	53	C	B
W6SZN	1,890	27	18	C	B
K6FO	184,468	594	107	D	
San Diego					
K6QK	52,700	290	62	B	C
KC6MIE	6,699	79	33	B	B
K6NA	825,608	1316	184	C	C
N6KI	74,781	404	63	D	
San Francisco					
K6RIM	63,099	247	81	A	C
K6RAD	47,180	235	70	A	B
San Joaquin Valley					
W6FRH	86,632	316	98	A	C
K6OQ	39,292	161	76	A	C
KI6PG	6,240	62	39	B	B
K6CSL	16,770	118	43	C	C
N6SUZ	10,906	97	38	C	B
N6IV	442	17	13	C	B
Santa Barbara					
WA5VGI	100,719	314	93	A	C
KD6PQF	11,026	100	37	B	B
WA6FGV	27,554	234	46	C	B
Santa Clara Valley					
K6XX	1,096,656	1605	201	A	C
K6GT	124,839	457	97	A	C
W6ISO	31,620	197	60	A	C
N6EM	39,624	193	78	A	B
N6RCE	12,204	109	36	B	B
W6ZZZ	145	12	5	B	B
K6RB	323,204	807	119	C	C
K6VVA	112,476	394	91	C	C
AD6E	66,816	278	72	C	C
N6NM	62,726	265	79	C	B
KO6LU	3,108	56	21	C	B
W6PRI	1,953	50	21	C	B
K6III	132	10	6	C	A
W6OAT	33,232	150	67	D	
7					
Arizona					
NJ7I	44,820	259	60	A	B
K7WM	13,975	123	43	B	C
W7YS	29,524	150	61	C	C
K8IA	470,550	969	150	C	B
AA7MY	103,917	553	67	D	
Eastern Washington					
WX7P	113,715	542	63	B	C
KC7TTM	1,425	37	15	B	C
N7VPN	30,208	165	59	B	B
Idaho					
KA7T	95,220	356	92	C	B
Montana					
KS7T	100,485	393	87	A	C
KD7IIC	29,568	160	56	B	B
KE7NO	8,740	87	38	B	B
KC7UP	4,128	52	24	C	B
Nevada					
K7AEK	8,120	92	35	A	B
AE7DX	52	7	4	B	B
Oregon					
W6IXP	2,816	47	22	A	A
K7ZSD	675,104	1582	136	B	C
W7KID	16,652	134	46	B	C
KE7GI	14,112	99	48	B	C
W3CP	47,393	208	83	C	B
NB7F	10,850	133	31	C	B
NK7U	1,549,935	1888	215	D	
Utah					
AF7O	86,416	362	88	C	C
K5KG	89,064	425	72	C	B
WI7J	5,908	109	28	D	
Western Washington					
W7QN	65,682	275	82	A	C
N7BF	25,636	156	58	A	C
N7JB	3,375	53	25	A	B
K7RL	1,095,990	1881	170	B	C
AD7BK	2,358	43	18	B	B
N6HR	239,239	556	143	C	C
W7LKG	18,914	106	49	C	C
K7ED (N0AX, op)	180,690	542	114	C	B
W7IJ	112,042	315	106	C	B
N6KW	7,544	76	41	C	B
N7ZG	375,358	927	118	D	
N7PP	99,110	655	55	D	
Zone 7					
0					
Colorado					
W0ETT	57,040	256	80	A	B
AB0YM	954	28	18	A	B
K0BRS	66	8	3	A	B
K0RI	73,656	275	99	B	C
K9MWM	64,823	316	71	B	C
W9BNO	8,106	85	42	B	B
K0FX	399,668	758	164	C	C
K0MT	50,184	286	68	C	B
WB0DUL	3,388	48	22	C	B
Iowa					
W0PPF	11,900	114	34	B	C
K0IO	160,064	475	122	C	B
WA0IAF	9,476	88	46	C	B
Kansas					
KC0DEB	17,543	117	53	A	B
K0RH	343,023	1101	109	B	C
W0IE	3,979	55	23	B	B
WB0UZM	90	8	5	B	B
KG0UA	74,841	247	101	C	C
K0BJ	86,897	274	113	C	B
NT3R	52,592	266	76	C	B
KK0HF	16,731	149	39	C	B
Minnesota					
K4IU	224,125	655	125	A	C
K0VG	2,709	51	21	B	C
W0GJ (KC0PXN, op)	21,838	126	61	B	B
AE0C	6,641	93	29	B	B
W0YC (N0YNT,op)	9	9	1	B	B
WA0VBW	57,954	240	78	B	A
W0HW	54,600	237	78	C	C
K0AD	34,485	248	57	C	B
WG0M	22,224	176	48	C	B
KT0R	279,306	806	118	D	
Missouri					
K0OU	406,868	865	154	A	C
K2HT	5,852	66	38	A	B
KU1CW	1,162,664	1621	206	C	C
K0CA	15,458	101	59	C	B
KS0M	12,993	104	61	C	B
NJ4X	68,874	333	78	C	A
Nebraska					
W0UVC	31,324	129	82	B	C
NE0DX	28,002	113	78	B	C
K0XU	1,674	28	18	B	B
South Dakota					
K0HW	128,544	480	104	A	B
K0EWS	3,014	69	22	A	B
WD0BMS	18,460	100	71	B	C
WD0BMR	27,048	141	69	B	B
5					
Arkansas					
W5ZN	38,925	169	75	A	B
W5MK	27,860	138	70	A	B
Louisiana					
W5WMU	864,456	1565	181	A	C
N5AN	83,070	455	71	A	B
KZ5D	602,070	1091	183	C	C
K5ER	156,045	549	101	D	
Mississippi					
NI5F	14,416	93	53	A	B
AC5SU	87,009	341	97	C	B
New Mexico					
N6ZZ	275,645	653	145	C	C
North Texas					
W5FO	132,458	466	103	A	C
W0VX	214,830	523	126	A	B
KD5OWO	5,016	70	22	B	B
KC5TA	4,460	77	20	B	B
WB5VGI	3,450	50	23	B	B
WX0B (AD5Q, op)	1,155,336	1754	184	C	C
N5PO	374,400	763	150	C	C
K5BG	47,492	216	62	C	C
KB5NJD	3,520	75	20	C	B
N5YA	897,870	1585	173	D	
AA5NT	506,088	1144	142	D	
KC5FU	312,858	829	126	D	
N3JI	9,504	86	36	D	
Oklahoma					
NE0P	74,165	292	91	A	B
KA5BAY	4,284	52	34	A	B
N5OT (WM5R, op)	475,984	1154	142	B	C
AF5Q	12,512	113	46	B	B
K5YM	910	27	13	B	A
K0CIE	70,686	347	77	C	B
K5UV	11,375	119	35	C	A
South Texas					
W5GCX	38,976	148	87	A	C
NA4M	14,496	125	48	A	C
N6NF	181,328	585	112	A	B
WQ5C	173,466	435	138	A	B
KE5LQ	74,592	267	96	A	B
K0GEO	71,890	319	79	A	B
K5IX	27,489	161	49	A	B
K5NZ	112,270	401	103	A	A
K5TR	1,171,233	2027	189	B	C
N5LT	931,944	1769	174	B	C
K5NA (KI5DR, op)	740,960	1501	160	B	C
KA5WSS	28,302	158	53	B	B
KC5YKX	15,200	126	38	B	B
KA5EYH	2,208	41	24	B	B
K5GN	1,516,836	1804	246	C	C
N3BB	1,191,484	1813	196	C	C
K5YA	801,228	1660	138	C	C
AD5A	317,385	802	135	C	C
K5XR (W5ASP, op)	115,346	495	77	C	C
N5TW (KE5C, op)	359,156	949	127	C	B
AC5AA	65,736	266	88	C	B
KA5KLU	56,133	267	77	C	B
KG5U	85,008	327	92	C	A
NX5M	1,156,320	1916	198	D	
W5ZL	402,178	789	161	D	
West Texas					
N5ZC	21,801	201	43	A	B
AD5BY	3,458	47	26	B	C
N5DO	435,956	1008	146	D	
7					
Montana					
N7VMR	63,516	280	79	B	B
Wyoming					
KO7X	224,724	706	122	A	C
Zone 8					
0					
Missouri					
K5QQ	969	32	19	A	B
1					
Connecticut					
W1NK	38,540	157	82	A	C
W1JQ	157,896	441	129	A	B
W1WEF	1,535,355	1961	223	C	C
W1QK	643,860	1306	147	C	C
N4XR	17,280	100	60	C	C
KB1H	1,356,784	1778	208	D	
Eastern Massachusetts					
K1WCC	4,582	59	29	A	B
N1FR	19,778	126	58	B	C
AK1Q	36,335	195	65	B	B
K1PNQ	3,384	45	24	B	B
K5MA	670,194	1145	162	C	C
W1ZT	449,631	780	189	C	C
W1EBI	257,520	616	145	C	B
W1TE	104,076	306	126	C	B
WO1N	28,380	169	66	C	B
KY1B	3,959	59	37	C	B
Maine					
K1JB	64,680	382	60	B	C
NY1S	251,520	659	120	C	B
K1SWG	60,600	229	101	C	B
New Hampshire					
W1DAD	50,460	267	87	A	B
KA1LMR	71,690	268	107	A	A
KK1KW	158,080	380	128	B	B
K1WO	93,677	263	113	B	B
KA2KON	12,599	106	43	B	B
KT1V	1,535,020	1766	230	C	C
WC1M	1,028,726	1481	191	C	C
KC1F	51,840	277	48	C	C
W1END	39,150	236	54	C	B
AE1T	15,132	118	39	C	B
AA1CA	38,280	186	88	C	A
K3MD	243,417	830	123	D	
Rhode Island					
K1PLX	187,920	440	120	B	C
KB1KQI	132	16	6	B	B
KI1G	125,895	334	109	C	C
N1NK	90,744	278	114	C	B
Vermont					
N1BCL	155,135	494	115	B	C
Western Massachusetts					
K1TTT (N2OW, op)	1,641,211	1865	253	C	C
K5ZD	1,519,518	1780	231	C	C
2					
Eastern New York					
NA2M	56,072	269	86	A	C
KM2O	32,879	165	77	B	B
N2MTG	1,482	33	19	B	B
WA2JQK	5,226	88	39	C	B
NJ1F	57,800	249	100	D	
Northern New Jersey					
W1GD	110,080	291	128	A	C
W2UDT	77,700	291	111	A	C
N2GM	14,760	123	45	A	B
KC2GGA	2,420	34	22	B	C
W2LE	60,860	242	85	C	C
W2CVW	7,326	102	33	C	C
WB2AA	266,668	547	163	C	B
NO2R	1,201,288	1472	242	D	
Northern New York					
NS2P	4,212	51	26	B	B
N2JNZ	12,909	132	39	C	A
NYC-Long Island					
KA2D	44,469	198	81	A	C
AK2P	33,540	254	60	A	B
KZ2G	13,020	103	42	A	B
K2RED	39,123	185	69	B	B
K2PAL	4,256	55	28	B	B
N2GC	276,006	601	157	C	C
W2NRA	2,490	33	30	C	B
Southern New Jersey					
W2RDS	31,416	201	66	A	B
WA2VQV	21,889	111	53	C	B

K2MK	6,474	67	39	C	B
N2CQ	5,376	73	28	C	A
Western New York					
KM2L	61,243	248	91	A	B
AA2YG	20,280	187	40	B	C
NF2L	539	23	11	B	B
3					
Eastern Pennsylvania					
AB3AI	41,535	250	65	A	B
W3PT	89,424	247	108	B	C
N3NR	9,374	88	43	B	B
AA3B	1,143,853	1511	227	C	C
K3WW	414,690	1014	115	C	C
AI3Q	67,221	219	99	C	C
W1NN	178,992	477	144	C	B
K3ND	15,390	108	45	C	B
N3NZ	3,744	89	24	C	B
N3AD	1,294,618	1887	202	D	
Maryland-DC					
K3ZO	1,091,415	1500	195	A	C
K3ASK	30,096	269	48	A	B
N3HBX	395,740	1377	94	B	C
WZ3AR	276,444	662	126	B	C
W3LL	39,501	198	77	B	B
WA3SWA	9,287	109	37	B	B
KB3KAQ	5,856	76	32	B	B
N3VOP	3,536	56	26	B	B
K3TW	260,996	603	142	C	C
N3AM	120,060	414	92	C	C
W2CDO	145,580	459	116	C	B
WA1LWS	113,160	368	115	C	B
K3STX	108,752	319	112	C	B
Western Pennsylvania					
W4ZE	228,315	524	155	A	C
N3LLR	198	12	9	B	B
WB0IWG	3	1	1	B	A
K3CR (LZ4AX, op)					
	1,971,333	1975	261	C	C
K3FH	12,243	109	53	D	
4					
Alabama					
KA1DWX	11,610	85	54	A	C
N4LF	53,580	271	76	A	B
AB4EJ	22,981	159	49	B	C
W4NTI	73,776	267	106	C	C
Georgia					
K4BAI	437,121	980	153	A	C
NJ8J	1,460	29	20	A	B
K4AQ	12,670	156	35	A	A
NA4BW	6,642	109	27	A	A
WA4TII	308,568	588	172	B	C
KG4UVU	2,052	51	19	B	B
N4GG	604,440	1162	180	C	C
N4PN	841,617	1213	219	C	B
K4OGG	406,720	862	160	C	B
AE4Y	50,960	287	80	C	B
KI4EGT	4,860	70	36	C	B
K4IR	2,625	49	25	C	A
WW4LL	516,578	1102	173	D	
Kentucky					
KG4ZXP	19,482	141	51	B	B
KO4OL	297	13	11	B	B
K4WW	88,270	343	91	D	
North Carolina					
N4HXI	6,293	100	31	A	B
W4KAZ	6,160	88	35	A	B
W4FAL	396	16	12	A	B
N4UH	288,101	793	121	B	C
NC4MI	23,814	168	49	B	C
AA4GR	16,626	110	51	B	C
K4DAW	816	32	12	B	B
KI4CCJ	72	11	3	B	B
N4AF	1,511,171	1747	229	C	C
K3KO	31,570	152	55	C	C
AA4VV	15,390	112	38	C	C
AA4FU	122,080	358	112	C	B
K4DJ	82,950	246	105	C	B
Northern Florida					
NF4A	228,238	703	139	A	B
K4JE	61,683	232	87	B	C
K4JAF	11,440	76	52	B	B
K1UM	442,900	939	172	C	C
N6VX	81,172	261	91	C	C
W4YA	4,257	62	33	C	C
KN4Y	53,376	218	96	C	B
N4EK	52,287	222	87	C	B
South Carolina					
KR4M	125,545	367	119	A	C
K3IXD	9,180	99	36	B	B
W4IKO	2,352	43	21	B	B
Southern Florida					
K9ES	72,048	357	79	A	C
NA4CW	131,712	435	112	A	A
N4CU	868	30	16	A	A
AI4EM	4,750	66	25	B	C
NJ2F	116,725	355	115	B	B
AA4RX	23,506	134	73	B	B
N4BP	268,996	990	91	C	C
K4PB	69,472	269	104	C	C
NL7AU	10,535	77	43	C	C
W4QM	268,422	570	166	C	B
W4SAA	221,096	599	116	C	B
N4GM	1,914	92	11	C	B
Tennessee					
N4ZZ	556,636	1490	124	A	C
K4RO	390,642	1140	131	A	C
WO4O	279,152	710	146	A	B
W4DAN	50,765	273	71	A	B
WA4GLH	1,072	32	16	A	B
AB4GG	45,375	214	75	B	B
WA4OSD	8,118	102	33	B	B
KI4EBV	1,068	39	12	B	B
K4GF	360	20	9	B	B
W4NZ	681,435	1286	171	C	C
NA4K	342,069	801	147	C	C
K4LTA	325,008	1033	122	C	C
N4ZI	24,981	277	33	C	C
W9WI	8,606	150	26	C	C
AA3VA	160	10	8	C	C
K1GU	206,780	503	140	C	B
K4BX	25,326	200	54	C	B
W4TYU	2,970	54	27	C	B
NU4B	14,848	99	58	C	A
KW4JS	488	26	8	C	A
Virginia					
N3JT	57,330	193	98	A	C
K4VV	7,800	71	40	A	C
W0YR	209,157	640	93	A	B
WM3T	61,971	234	91	A	B
AD4AX	32,010	258	55	A	B
K3MZ	1,200	25	20	A	B
N8IK	324	24	6	A	B
K4PUA	138	13	6	A	B
N4MM	144,408	339	132	B	C
KE2N	39,040	147	80	B	C
KU4FP	12,753	117	39	B	C
KQ4I	13,400	115	40	B	B
KI4EVF	4,818	99	22	B	B
NQ4K	795	20	15	B	B
K4ZW	1,702,386	1958	229	C	C
W3BP	562,880	1021	160	C	C
K4EU	202,032	468	138	C	B
KI4FDF	134,788	439	124	C	B
KI3O	64,224	275	96	C	B
K4UK	20,340	150	60	C	B
K4GM	11,781	113	51	C	B
K4GMH	8,512	96	32	C	B
K6ETM	720	21	16	C	B
K2EKM	11,176	129	44	C	A
KC4AUF	4,836	97	31	C	A
K4JA	2,038,155	2175	245	D	
West Central Florida					
K4LQ	249,128	510	152	A	C
K4GKD	71,889	304	93	A	B
K8FK	11,730	106	46	B	B
AG4ZM	5,746	71	34	B	B
N4GI	13,940	165	41	C	C
WB4TDH	387,328	709	178	C	B
WK2G	318,570	974	111	C	B
WD4AHZ	230,759	662	127	C	B
5					
Mississippi					
N5PA	160,310	526	115	A	C
N5PU	23,625	152	63	C	B
8					
Michigan					
NE8J	72,242	380	82	A	C
K8GT	96,140	348	110	A	B
NU8Z	50,960	252	80	A	B
W8VPW	2,929	54	29	A	B
K9TTT	697	25	17	A	B
K8ZZU	54,614	208	94	B	C
N8OL	30,680	206	59	B	C
N8RY	148,857	668	87	B	B
AB8PW	513	24	9	B	B
N8DEW	440	23	8	B	B
K8GL	733,792	1149	184	C	C
KT8X	97,857	386	83	C	C
K8IR	225,906	578	138	C	B
KB8TYJ	2,415	54	23	C	B
K8KHZ	27,664	209	56	D	
Ohio					
N9AG	1,118,214	1511	219	A	C
N8KOJ	11,590	111	38	B	C
W8KNO	57,672	233	89	B	B
K8AZ (K8NZ, op)					
	1,353,390	1709	229	C	C
N8PW	441,126	1142	126	C	C
W8GOC	83,260	244	115	C	B
W8TM	13,248	170	36	C	A
NI8W	11,328	114	48	C	A
W8EDU	80,424	370	72	D	
West Virginia					
K8JQ	233,772	755	121	A	C
K2UOP	104,920	326	122	A	C
WB8EKG	7,304	66	44	B	B
K3JT	229,152	526	132	C	C
9					
Illinois					
K9UQN	133,666	503	97	A	C
AB9H	56,316	360	57	A	C
K9QVB	108,675	369	105	A	B
W9LYA	44,044	244	77	A	B
WB9Z	1,033,175	1632	187	B	C
N2BJ	237,249	1021	87	B	C
KB9WBM	1,638	47	14	B	B
W9OA	56,007	245	63	C	B
Indiana					
W9IU	424,438	1083	142	A	B
WT9U	19,494	144	57	A	B
KB9YEY	17,028	124	43	B	B
N9LF	12,684	99	42	B	B
K9SQL	2,392	49	23	B	B
K9ZEN	245	16	7	B	B
N9RV	2,334,270	2505	255	C	C
K9NW	1,225,224	1621	221	C	C
K9WJU (W9CG, op)					
	54,782	197	86	C	B
N9NDS	240	14	8	C	B
AD9T	5,792	97	32	C	A
Wisconsin					
N9TTX	48,675	271	75	A	B
WW9R	20,640	185	48	A	B
W9AEM	7,524	56	36	A	B
KE9S	275,584	914	128	B	C
K9JIG	3,744	62	26	B	B
K9QH	45	5	5	B	B
W0AIH (K8GU, op)					
	332,920	738	140	C	B
K9OM	152,898	505	102	C	B
W9WUU	37,686	198	66	C	B
Zone 9					
St. Pierre & Miquelon					
FP/KB9LIE	42,862	201	58	B	B
FP/K9OT	13,653	112	37	C	B
Maritime-Newfoundland					
VE1JX (K6HNZ, op)					
	755,136	1151	171	B	C
VO2/K2FRD					
	9,432	88	36	B	B
VY2ZM	1,960,374	2021	246	C	C
VE1RGB	214,560	645	96	C	B
VE1AWP	56,050	302	59	C	B
VE9DX	48,018	174	106	C	B
VE1/KB1T	29,382	162	59	C	B
Quebec					
VE2/DL7FER					
	453,870	987	123	A	B
Zone 10					
Mexico					
XE2K	347,070	705	138	B	B
XE1CL	23,310	182	45	B	B
XE1MM	59,228	362	52	C	B
XE3WAO	3,381	53	23	C	B
Zone 11					
Belize					
V31KG (KG9N, op)					
	317,344	1062	94	A	B
Bermuda					
VP9/WA4PGM					
	5,344	69	32	B	B
Cayman Islands					
ZF2AH	388,814	991	122	B	C
Costa Rica					
TI2KAC	69,530	278	85	B	B
TI3M (TI3TLS, op)					
	536,969	1240	131	C	C
Cuba					
CO8ZZ	83,600	354	76	A	C
CO8TW	22,960	136	70	A	B
Honduras					
HR1CP	49,364	211	82	B	B
HR2RCH	8,395	119	23	D	
Jamaica					
6Y4Y	7,308	68	42	B	B
Martinique					
FM5CW	16,632	98	63	C	B
Panama					
HP3XBS	86,972	805	34	B	C
Puerto Rico					
KP4JRS	13,100	127	25	A	C
NP3CW	1,012	28	11	A	B
WP4EDD	160,905	636	85	B	B
WP3GW	6,760	63	40	B	B
KP4KE	204,477	598	107	B	A
St.Kitts & Nevis					
V44NK (EW1AR, op)					
	498,617	1091	133	A	C
Trinidad & Tobago					
9Y4NED	16,887	120	39	B	C
9Y4ZC	1,781,136	2099	186	D	
9Y4TT	105,652	406	61	D	
Virgin Islands					
WP2Z (K8MJZ, op)					
	374,436	1000	108	B	C
NP2I	267,019	737	113	B	C
Zone 12					
Brazil					
PV8WA	243,432	474	126	D	
Colombia					
HK3JJH	86,550	375	50	B	B
HK3SGP	1,798	31	29	B	B
Venezuela					
4M5F (YV5GRV, op)					
	39,032	261	34	C	C
4M5X	614,438	1090	121	C	B
YV7QP	22,743	115	57	C	B
Zone 13					
Brazil					
PT2CSM	1,242	30	27	A	C
PY7EG	60	5	4	A	B
PT7CB	2,052	33	27	B	C
PR7ZZ	1,425	28	25	B	C
PS8NF	882	20	18	B	C
PT2BW	15,327	100	39	B	B
PT2OP	3,772	48	23	B	B
PY6KY	1,210	25	22	B	B
PR7BOK	867	21	17	B	B
PY7GK	-1,258	24	37	B	B
PR7AR	40,964	149	77	C	B
PY7OJ	2,728	35	31	C	B
Zone 14					
Argentina					
LU5EML	218,280	463	120	A	B
LU1NDC	757,464	1133	148	B	C
LU4DX	698,828	898	178	B	C
LT0H	109,359	303	87	B	C
LU6FL	3,480	42	30	B	C
LV0N	192,482	335	157	B	B
AY9H	21,675	111	51	B	B
LR1J	13,746	115	29	B	B
L20E	2,000	29	20	B	B
LU7EE	400,890	573	166	C	C
LU3CT	181,818	378	126	C	C
LU7DIR	69,920	223	80	C	C
LP0H	1,503,600	1662	200	D	
AY8A	433,408	783	128	D	
Chile					
XQ4EM	1,530	26	18	B	B
Uruguay					
CX2AQ	30,340	171	41	C	A
Zone 15					
Brazil					
PY2MTV	4,560	52	40	A	C
PY2NB	3,525	41	25	A	B
PY2PT	1,428	24	17	A	B
PY2BRZ	1,200	23	15	A	B
PY5KD	722,384	1075	151	B	C
PY3PA	21,616	108	56	B	C
PY5JO	3,016	37	26	B	C
ZX2B (PY2MNL, op)					
	670,208	825	187	B	B
ZX3S (PY3FOX, op)					
	49,628	172	76	B	B
PY2OE	37,146	211	41	B	B
PY2DJ	1,425	25	19	B	B
PY3AJB	1,309	21	17	B	B
PY3MSS	310	12	10	B	B
PY2NA	416,346	677	138	C	B
PY8MGB	19,765	101	67	C	B
PY3AU	3,300	36	25	C	B
PY4FQ	2,397	39	17	C	B
PS2T	3,094,344	2532	264	D	
Zone 16					
Argentina					
LV5V (LU5VV, op)					
	606,544	828	167	B	C
Zone 18					
Aland Islands					
OH0R (OH2PM, op)					
	2,463,504	2725	272	A	C
Denmark					
OZ4RT	11,956	87	49	A	B
OZ5EV	129,204	260	194	B	C
OZ8EA	630	27	18	B	C
OZ1ACB	128,372	362	134	B	B
OZ3ANT	94,122	292	126	B	B
OZ4PAT	21,716	140	61	B	B
OZ5UR	34,286	164	79	C	B
Finland					
OH2U (OH6EI, op)					
	1,840,492	2188	244	A	C
OH4RH	317,840	883	116	A	C
OH4R (OH4JFN, op)					
	1,228,752	1963	207	A	B
OH6NIO	758,688	1174	224	A	B
OH6GDX	5,372	68	34	A	B
OH2BH (SM0WKA, op)					
	1,746,537	2137	247	B	C
OH2RA	677,754	1190	189	B	C
OH2FS	108,372	311	132	B	B
OH2BPA	89,908	260	133	B	B
OH6GFI	56	7	7	B	A
OH2PM (OH1WZ, op)					
	1,963,880	1989	290	C	C
OH2CI	300,674	649	158	C	C
OH2IPA (OH4MDY)					
	688,401	1546	147	C	B
OH2LO	97,732	308	106	C	B
OH5UFO	11,454	99	46	C	B
OH4MFA	2,929	43	29	C	A
Market Reef					
OJ0U	1,343,037	2393	179	D	
Norway					
LA6PB	125,040	409	120	A	C
LA2GN	19,095	140	67	B	C
LA7TN	20,104	151	56	B	B
LA1YE	55,332	231	87	C	B
LA8OM	14,391	138	39	C	B
LA3RNA	81,165	281	105	D	
Sweden					
SM6E (SM6FUD, op)					
	663,228	1195	178	A	C
SM2T (SM2EZT, op)					
	469,114	937	163	A	C
SM7BJW	232,350	540	150	A	C
SM6WQB	190,080	432	165	A	C
SM6WET	60,078	234	93	A	B

SM4XIH	23,822	131	86	A	B
SM/DL4JWU	6,578	71	46	A	B
8S5A (SM5AJV, op)					
	30,291	156	69	A	A
SM6AHU	13,301	91	47	A	A
SM3LIV	267,270	641	151	B	C
SM5U (SM5UGC, op)					
	228,068	540	148	B	C
SM6FJY	15,134	102	47	B	C
SMØFM	20,160	112	64	B	B
SM3XRJ	5,124	72	28	B	B
SM6CRM	22,715	126	77	B	A
SM2CEW	881,664	1387	192	C	C
SK6HD (SM6FKF, op)					
	237,920	510	160	C	C
SM5G (SM5JBM, op)					
	703,514	1033	217	C	B
8SØF (SMØOGQ, op)					
	365,366	871	142	C	B
SM/DL1BUG	279,890	710	130	C	B
SM7EH	163,170	395	147	C	B
7S3J (SMØDZH, op)					
	106,862	309	119	C	B
SMØBDS	63,250	215	110	C	B
SM5RE	34,560	180	96	C	B
SM3Q (SM3BFH, op)					
	19,955	114	65	C	B
SM6PVB	18,081	115	63	C	B
SM7TKL	15,776	109	68	C	B
SM4OY	3,256	54	22	C	B
SM3BFH	175	9	7	C	B
SL5ZXR	96	8	6	C	B
SM5ARR	20	4	2	C	B
SMØGNS	118,160	373	112	C	A
SM6EQO	12,600	137	35	C	A
SM5CJW	4,564	63	28	C	A
Zone 19					
European Russia					
RV1AT	384,241	1056	143	A	C
UA1OMS	1,908	39	18	A	B
U1BA	99,484	383	119	B	B
RA1ANO	340,315	800	145	C	C
RK1NA	149,058	422	117	C	C
UA1NFA	173,950	501	142	C	B
Zone 20					
Asiatic Russia					
RU9DD	655,894	939	191	A	B
RK9CR	279,048	549	151	A	B
UA9XF	142,324	327	119	A	B
UA9OUU (RZ9OS, op)					
	101,926	351	82	A	B
UA9JDP	876,432	1332	152	B	C
RK9XX	48,246	237	51	B	B
RV9JE	936,636	1212	178	C	C
RV9XM	114,080	346	80	C	C
RA9XU	77,328	348	54	C	B
UA9XC	67,817	250	73	D	
European Russia					
UA6LTO	2,002	33	26	B	A
UA1PAC	5,820	102	30	C	B
Zone 21					
Asiatic Russia					
RAØBA	571,444	946	146	A	C
RWØBG	20,196	120	51	A	B
RA9JR	1,833,192	1786	243	C	C
RA9KM	602,310	880	170	C	B
RK9JWV	1,318,400	1554	206	D	
Zone 23					
Asiatic Russia					
RTØQ (RZ3BY, op)					
	122,877	339	111	A	B
UAØQNV	45,258	205	57	A	B
Zone 27					
Belgium					
ON4AEK	91,599	591	57	A	C
ON5WL	36,936	188	81	A	B
ON4CIN	13,298	93	61	B	B
ON6LEO	13,018	121	46	B	B
ON4XG	89,572	299	98	C	C
ON6TJ	80,598	257	114	C	B
ON4KVA	7,258	79	38	C	B
ON7CC	16,695	121	63	C	A
OT4R	1,012,187	1578	209	D	
OT4P	769,536	1331	192	D	
ON4LO	251,764	795	113	D	
ON7SS	64,920	242	120	D	
England					
M3CVN	221,815	767	109	A	B
G4GOY	52,976	244	86	A	B
G4B (G6OKU, op)					
	23,214	145	73	A	B
G4DDX	18,944	120	74	A	B
MØCMQ	8,586	58	53	A	B
MØBPQ	25,256	137	82	A	A
M4T (M3GBZ, op)					
	1,575	32	21	B	C
M3EZP	1,155	27	21	B	C
G/SP9WTD	25	5	5	B	C
G3PJV	392,238	1101	126	B	B
G3VAO	391,988	623	212	B	B
MØWTD	14,124	96	66	B	B
M3RCV	10,192	92	56	B	B
G6CSY	6,946	61	46	B	B
MØRNA	4,860	63	27	B	B
G7IIO	4,218	57	38	B	B
M1MAJ	1,036	28	28	B	B
M5AAV	40,579	209	77	B	A
G1W (MØSDX, op)					
	1,760,552	2182	248	C	C
G3GLL	319,518	589	183	C	C
M3C (GØVQR, op)					
	284,151	735	147	C	C
G4HZV	59,143	190	119	C	C
G3ZRJ	192,864	496	123	C	B
G3VGR	134,830	348	139	C	B
G3RSD	123,234	313	141	C	B
MØGMT	106,000	390	100	C	B
G3MPB	97,773	295	109	C	B
G3LHJ	28,905	258	41	C	B
G3YMC	192,424	517	134	C	A
M4A	1,433,709	1988	241	D	
G8A	682,515	1454	145	D	
France					
F5NBX	868,834	1564	199	A	C
F8DVD	66,817	267	109	A	B
F5MLJ	57,984	242	96	A	B
F6FTB	27,153	166	63	A	B
F6CZV	23,088	162	74	A	B
F5ROW	11,050	97	50	A	B
F6ETI	576	24	18	A	B
F5DE	78	9	6	A	B
F5NEV	72	12	6	A	B
F8DZB	35	7	5	A	B
F5NYK	2,320	46	40	A	A
F8DFN	79,488	302	108	B	B
F1FPL	45,408	205	88	B	B
F4DZY	30,012	148	82	B	B
F1ORL	26,160	162	60	B	B
F6BLZ	13,145	92	55	B	B
F4DXW	9,120	75	48	B	B
F1IWH	7,943	79	47	B	B
F1EIT	7,110	69	30	B	B
F4BPJ	5,980	65	46	B	B
F8DYD	2,548	40	26	B	B
F2FZ	36	6	6	B	B
F5BBD	300,369	583	177	C	C
F6GQO	99,900	334	111	C	C
F/DJ9RR	230,370	742	105	C	B
F5NQL	211,904	507	154	C	B
F5ICC	151,130	386	127	C	B
F5TNI	113,442	381	111	C	B
F5INJ	110,194	320	119	C	B
F5QF	49,542	238	69	C	B
F8BTR	38,970	167	90	C	B
F6KDF	1,116,290	1929	185	D	
F5KEQ	376,740	760	180	D	
Guernsey					
MU3GSY	23,010	143	78	B	B
MU2K (G3SQX, op)					
	1,162,664	1761	206	C	C
GUØSUP	79,056	249	122	C	B
Ireland					
EI4DW	330,690	762	151	A	C
EI4CF	220,050	525	163	A	B
EI7CC	191,808	547	144	A	B
EI7JK	153,629	540	119	A	B
EI2II	25,662	142	78	B	B
Luxembourg					
LX7I (LX2AJ, op)					
	50,925	197	97	B	C
Netherlands					
PAØJNH	390,637	727	199	A	C
PG3N	436,832	859	187	A	B
PAØMIR	396,576	751	204	A	B
PG7V	278,775	649	175	A	B
PAØADP	203,958	486	162	A	B
PC4M	179,010	459	153	A	B
PCØH	145,204	429	124	A	B
PA3HGF	50,292	208	99	A	B
PAØLRK	8,460	76	47	A	B
PAØFEI	1,450	34	29	A	B
PA9RZ	3,978	43	34	A	A
PAØIJM	236,640	581	136	B	C
PA1TON	1,045	27	19	B	C
PAØOI	1,040	27	16	B	C
PA1PAT	819	26	21	B	C
PA5O	27,084	156	74	B	B
PE2KP	7,544	64	46	B	B
PC2T	6,250	63	50	B	B
PE8ROB	5,790	77	30	B	B
PA1GS	4,935	61	47	B	B
PA2SWL	3,700	50	37	B	B
PA9TT	25	5	5	B	B
PAØLOU	307,985	657	155	C	C
PA5TT	294,066	604	153	C	C
PI4D (PA8AD, op)					
	3,150	95	14	C	C
PA3AAV	488,565	851	189	C	B
PA3BFH	360,620	656	190	C	B
PAØKHS	245,182	521	166	C	B
PA3DJY	146,444	426	124	C	B
PAØJED	124,230	353	123	C	B
PA1MW	98,384	311	104	C	B
PA3CDN	20,995	139	85	C	B
PAØVLA	10,209	87	83	C	B
PAØATG	8,525	81	55	C	B
PA3FGJ	4,410	54	49	C	B
PA3AFF	37,927	177	97	C	A
PAØRBO	1,088	27	17	C	A
PF9A	974,810	1498	215	D	
PI4NYM	258,518	588	163	D	
Northern Ireland					
MI3OZX	2,508	38	33	B	B
GI4KSH	84,564	274	108	C	B
Maritime Mobile					
SP1LJP/MM	132,888	761	56	A	B
Scotland					
GM4SID	137,375	381	125	A	C
MM3AWD	55,596	306	82	A	A
MM3JHS	12,168	97	52	B	B
GM4ELV	1,962	41	18	B	A
Wales					
GW3NJW	923,281	1582	181	C	C
Zone 28					
Albania					
ZA1E	5,852	187	22	B	C
Austria					
OE7AJT	67,850	295	115	B	B
OE1CWA	22,848	185	56	B	B
OE1WIU	51,150	231	75	C	B
OE2S	1,969,212	2367	294	D	
Bosnia-Herzegovina					
T96A	40,376	222	98	A	B
T98R	7,524	210	19	C	B
Bulgaria					
LZ3SM	110,112	315	148	A	B
LZ5PL	69,865	340	89	A	B
LZ1DQ	79,143	349	93	C	C
LZ2BE	339,306	684	194	C	B
LZ6C (LZ2TF,op)					
	103,071	347	129	C	B
LZ1IA	83,688	272	132	C	B
LZ1ZM	31,200	218	78	C	B
LZ4BU	27,648	127	108	C	B
LZ3PZ	7,337	147	29	C	B
LZ1EP	2,223	101	13	C	B
LZ7Z (LZ1IS,op)					
	1,162	53	14	C	B
LZ1KNZ (LZ1NE,op)					
	935	53	11	C	B
Corsica					
TK/F6AUS	66,300	393	102	A	B
Croatia					
9A5ZP	68,373	290	107	A	C
9A4RC	117,925	591	89	A	B
9A4KW	62,468	383	46	C	C
Czech Republic					
OK2EQ	287,820	621	180	A	C
OK1DXD	136,240	424	130	A	C
OK2ZW	62,130	282	95	A	C
OI6W (OK2FB, op)					
	314,195	706	191	A	B
OK1FMX	269,868	707	172	A	B
OK1VBA	218,284	521	164	A	B
OK2TCW	170,408	540	119	A	B
OK2CLW	134,824	407	152	A	B
OK2PBM	105,791	369	119	A	B
OK2SWD	45,924	233	89	A	B
OK1BA	36,708	181	76	A	B
OK1RI	1,917,452	2205	274	B	C
OK2WED	263,526	666	167	B	B
OK2BEN	96,258	411	122	B	B
OK2PPM	88,913	301	137	B	B
OK2BQL	82,076	300	142	B	B
OK1MJA	28,356	188	68	B	B
OL37	809,560	1486	185	C	C
OK1DRU	746,265	1237	215	C	C
OK2PDT	685,850	1082	215	C	C
OK2ZC	836,836	1221	242	C	B
OLØA (OK1CZ, op)					
	618,084	928	236	C	B
OK1HX	547,334	994	211	C	B
OK2MBP	491,625	914	207	C	B
OK2DU	477,071	863	211	C	B
OK2QX	417,996	753	204	C	B
OK1CRM	288,640	738	164	C	B
OK1XNF	276,944	625	152	C	B
OK1DOR	195,212	533	148	C	B
OK1FCA	193,170	446	141	C	B
OK1MKI	192,705	498	145	C	B
OK2BND	187,512	463	156	C	B
OK1MZO	168,216	413	163	C	B
OK1SF	165,519	359	159	C	B
OK2NO	161,024	461	128	C	B
OK1AYY	146,730	454	134	C	B
OK1MMN	141,638	358	151	C	B
OK2BEM	66,430	313	65	C	B
OK2BNC	62,403	226	93	C	B
OK2WH	38,192	186	77	C	B
OK2AJ	31,968	171	72	C	B
OK1NJC	10,089	95	57	C	B
OK1AKB	7,416	86	36	C	B
OK2BRA	1,449	42	23	C	B
OK1JOC	150,328	417	152	C	A
OK1FKD	64,745	283	115	C	A
OK1FAO	3,058	139	22	C	A
OL9S (OK1DOS, OK1HUL, OK1DEK, ops)					
	133,120	444	130		
OK1NR	748,748	1323	221	D	
OL3A (OK1AY, OL8M, ops)					
	1,939, 704	2169	297	D	
OK5SWL	2,133	42	27	D	
Fed. Rep. of Germany					
DL6FBL	2,995,272	3028	294	A	C
DL4FAY	449,856	1038	198	A	C
DJ5IR	353,430	853	198	A	C
DJ8OG	291,024	821	172	A	C
DJ5MW	212,288	733	124	A	C
DM3ML	64,047	253	111	A	C
DF5AU	8,568	76	68	A	C
DL8MUG	3,672	76	24	A	C
DL1DY	3,465	61	45	A	C
DN3AU	66	11	6	A	C
DL2RMC	790,600	1300	236	A	B
DL1ARJ	220,140	580	180	A	B
DL3ZAI	213,696	518	168	A	B
DL8HCO	163,441	539	137	A	B
DL1NKS	161,436	524	132	A	B
DL8AAM	159,797	452	199	A	B
DL3AMA	150,625	551	125	A	B
DL8UFO	104,538	337	133	A	B
DL9ABM	102,555	299	129	A	B
DJ9MH	79,593	317	129	A	B
DL1DVN	77,803	329	121	A	B
DK4MT	75,147	320	111	A	B
DF6WE	73,800	364	123	A	B
DK7AN	73,625	248	125	A	B
DL8UVG	62,678	293	121	A	B
DJ2YE	55,388	285	122	A	B
DL2HWI	45,248	178	112	A	B
DJ4EJ	41,148	209	108	A	B
DL4FDM	33,770	156	110	A	B
DL5MHR	30,888	191	99	A	B
DJ1OJ	25,788	172	84	A	B
DL3MG	22,881	114	87	A	B
DM3PKK	21,204	148	62	A	B
DL4SZB	19,834	111	94	A	B
DL6UAM	11,385	110	45	A	B
DL4DRA	10,187	92	61	A	B
DL5AZI	9,720	86	54	A	B
DC9AM	8,957	98	53	A	B
DL7FA	6,278	69	43	A	B
DL6UAA	5,353	66	53	A	B
DKØUNI (DL7RBI,op)					
	5,038	95	22	A	B
DKØNS	4,732	69	52	A	B
DL8DXL	3,828	67	44	A	B
DG5OBB	2,925	58	45	A	B
DK3WJ	2,432	49	32	A	B
DL2AXM	994	36	14	A	B
DL2MY	950	26	19	A	B
DL5ANS	760	26	19	A	B
DL7UXG	595	19	17	A	B
DH7AMF	308	18	14	A	B
DG2DRA	88	12	8	A	B
DL6UD	66	11	6	A	B
DL9JON	66	11	6	A	B
DKØZN (DL9JON, op)					
	66	11	6	A	B
DL4MM	40	6	5	A	B
DF1DX	76,494	310	122	A	A
DL1RNN	33,120	195	92	A	A
DH8BQA	4,800	93	25	A	A
DL2AA	586,008	1101	216	B	C
DJ1AA	487,620	1059	180	B	C
DJ1MS	278,388	592	209	B	C
DL1PT	104,257	320	137	B	C
DF5BX	51,642	231	114	B	C
DL3BQA	42,588	160	117	B	C
DF3IS	780	30	15	B	C
DF3BN	494	22	13	B	C
DLØSTL	36	6	6	B	C
DL8UWF	4	2	2	B	C
DKØPM (DH2PC, op)					
	1	6	1	B	C
DL2DBH	333,207	796	189	B	B
DB8NI	266,000	771	152	B	B
DL4RCK	152,280	444	162	B	B
DF1ZN	92,073	294	141	B	B
DK6AY	92,036	307	133	B	B
DL2DTL	84,700	297	140	B	B
DL3OR	84,206	299	142	B	B
DL8JEW	82,938	314	138	B	B
DF3HS	78,624	284	126	B	B
DJ5BWD	77,748	323	124	B	B
DGØDG	77,700	263	111	B	B
DL8SDC	70,770	306	105	B	B
DJ4DN	67,125	296	125	B	B
DC2LF	66,000	248	120	B	B
DH5WB	60,610	266	110	B	B
DK7OM	59,225	256	115	B	B
DL9ZWG	54,395	227	115	B	B
DL3KDC	36,576	170	96	B	B
DL1JGG	33,562	185	97	B	B
DL1CWI	28,614	147	114	B	B
DJ3XM	25,024	136	92	B	B
DL1APX	20,838	158	69	B	B
DJ6JH	18,810	110	95	B	B
DJ3DY	17,085	111	67	B	B
DG7RO	12,996	113	76	B	B
DJ9PZ	12,627	95	61	B	B
DL6EZ	11,183	109	53	B	B
DB7MA	9,982	116	62	B	B
DL9GWD	9,724	125	52	B	B
DB9AT	8,875	88	71	B	B
DL7UMG	6,902	75	58	B	B
DC8WPA	6,572	83	62	B	B
DL2FK	5,832	69	54	B	B
DC2TOM	3,625	64	29	B	B
DL1HWH	3,375	57	25	B	B
DL7FBG	2,904	52	33	B	B
DL9LR	2,844	45	36	B	B
DL3WB	2,580	49	30	B	B
DLØAT(DL9LR,op)					
	2,485	43	35	B	B
DL1JX	2,400	50	48	B	B

DD7ZE	1,080	44	27	B	B
DD7EO	875	25	25	B	B
DL8BTE	405	24	15	B	B
DL1GZZ	345	15	15	B	B
DH1HJL	340	17	17	B	B
DL3APM	286	12	11	B	B
DL8PP	272	17	17	B	B
DJ6XB	171	11	9	B	B
DL2EF	9,900	95	44	B	A
DB6FO	5,460	99	30	B	A
DH7KU	878,628	1427	236	C	C
DL5YM	683,544	1087	228	C	C
DL0OV (ES5JR, op)					
	534,492	1061	202	C	C
DH2FW	484,567	1043	191	C	C
DL4WA	420,400	731	200	C	C
DL2MDU	293,265	612	171	C	C
DL4JYT	214,490	525	178	C	C
DL5JS	181,395	560	145	C	C
DL6KWU	151,838	390	158	C	C
DK0MN	126,480	406	120	C	C
DL3YA	97,904	291	116	C	C
DL3AMI	79,698	362	74	C	C
DL7VAF	76,830	224	130	C	C
DL6AG	60,696	312	72	C	C
DK3KD	23,310	275	37	C	C
DL0AKR (DL9JW,op)					
	9,516	62	61	C	C
DL4FN	609,216	969	228	C	B
DL3DTH	330,172	645	197	C	B
DL2EBX	329,784	659	182	C	B
DL4HRM	310,430	699	185	C	B
DF1IAQ	293,760	716	180	C	B
DL5KUD	262,143	521	189	C	B
DL5YL	197,340	492	156	C	B
DL8SCG	177,900	491	150	C	B
DL8UNF	164,781	422	153	C	B
DL1CW	145,200	414	132	C	B
DD1IM	121,672	376	134	C	B
DL3BRA	120,105	341	153	C	B
DL3KUM	119,952	330	144	C	B
DL1IA	117,174	275	177	C	B
DL/JJ6WYS					
	112,200	474	85	C	B
DJ2IA	103,695	341	155	C	B
DF8WA	103,230	383	111	C	B
DL5CD	98,698	321	122	C	B
DK5ZX	92,300	304	130	C	B
DL3KWF	89,792	325	122	C	B
DK3GI	86,088	264	136	C	B
DF5LW	80,087	300	119	C	B
DJ6TK	77,682	281	121	C	B
DG1WIM	69,960	246	106	C	B
DL5KUR	67,218	274	102	C	B
DL1DQW	50,388	214	102	C	B
DL6KVA	48,575	174	145	C	B
DL8DWW	44,912	195	112	C	B
DM5JBN	44,700	211	100	C	B
DJ9UW	32,445	192	103	C	B
DL3KWR	28,880	176	80	C	B
DL5SWB	26,448	197	76	C	B
DK7FP	24,338	132	86	C	B
DL3BZZ	21,312	117	64	C	B
DL1ALN	21,156	128	86	C	B
DL1FMG	16,714	144	61	C	B
DK3AX	13,869	106	67	C	B
DL7UIO	12,684	129	42	C	B
DL1EV	11,264	70	64	C	B
DL4IA	4,796	52	44	C	B
DL3FF	507	25	13	C	B
DJ9CS	187	17	11	C	B
DJ5GG	25	5	5	C	B
DL8MBS	104,788	359	134	C	A
DL5CL	95,976	355	124	C	A
DL1LAW	59,619	275	119	C	A
DK4CU	39,235	204	95	C	A
DL0PCK (DL2BQD)					
	1,008	30	28	C	A
DF0RI	1,571,544	1980	276	D	
DA0BCC	1,270,800	2016	240	D	
DL0GVM	798,300	1360	225	D	
DL2YL	739,076	1235	233	D	
DK0OVL	653,467	1238	211	D	
DF0JEN	644,183	1169	211	D	
DL0VV	362,796	770	196	D	
DL0GL	354,756	1018	148	D	
DA0EKO	315,224	738	182	D	
DF0PT	261,690	611	195	D	
DL0HA	164,125	535	125	D	
DK0TZ	2,108	43	31	D	
Greece					
SV2ATD	4,144	81	37	B	C
SV1DZB	55,188	243	108	B	B
Hungary					
HA1CW	10,230	81	55	A	C
HG3M (HA3MY, op)					
	2,095,522	2768	286	A	B
HA5X	192,510	521	155	A	B
HG5Z (HA1CC, op)					
	1,046,964	1623	258	A	A
HG8R	1,793,371	2313	283	B	C
HA8DU	1,741,480	2307	260	C	C
HA5AGS	837,606	1200	231	C	C
HA0HW	41,779	391	41	C	C
HA8KW	443,253	775	213	C	B
HA5BA	66,816	275	87	C	B
HA5IW	1,202,058	1850	234	C	A
HG1W (HA1WD, op)					
	612,942	1067	222	C	A
HA0GK	168,883	429	143	C	A
HG1S	3,185,595	3401	315	D	
HG6N	3,085,551	3549	301	D	
HG9X	1,838,212	2234	268	D	
Italy					
IR2Y (IK2QEI, op)					
	1,686,470	2207	274	A	C
IK2PFL	222,250	686	125	A	C
IU3X (IV3SKB, op)					
	80,179	763	37	A	C
IK0XBX	204,411	499	183	A	B
IK5EKB	195,840	611	160	A	B
IZ1DXS	12,870	110	55	A	B
IK8UND	10,680	106	60	A	B
I0QM	5,508	73	34	A	B
IO4C (IZ4DPV, op)					
	1,115,478	1866	234	B	C
IN3ZNR	768,910	1510	170	B	C
IR4R	728,092	1464	191	B	C
IK0PHY	316,799	866	167	B	C
IK2RPJ	15,660	105	60	B	C
IN3PEE	3,344	60	38	B	C
IK8NBL	714	22	21	B	C
IK2DZN	334,488	984	154	B	B
IZ7EDQ	81,872	316	119	B	B
IZ1DGG	70,918	312	118	B	B
IK2QPR	59,520	300	93	B	B
IT9VCE	46,870	267	86	B	B
IK0EIE	35,469	297	63	B	B
IK4MGJ	33,294	161	93	B	B
IZ2ABN	23,100	123	70	B	B
IZ8FOV	21,360	163	80	B	B
IZ4DIG	15,906	122	66	B	B
IK5ZTT	12,090	120	62	B	B
IK8IFW	9,804	87	57	B	B
I1/K2LEO	9,360	86	60	B	B
IK2WZQ	8,723	72	61	B	B
IK0OTJ	5,800	76	50	B	B
IT9YSW	4,371	55	31	B	B
IZ0BNR	4,352	68	32	B	B
IK5WQO	2,070	35	30	B	B
I8JYK	9,891	162	21	C	C
I2AZ	153,230	441	154	C	B
IK4UNH	147,882	393	147	C	B
IK1PMR	135,380	315	140	C	B
IZ4DYX	79,054	327	94	C	B
IT9ORA	70,224	342	112	C	B
IR2V (I2WIJ, op)					
	19,530	109	63	C	B
IK0YUT	11,552	294	19	C	B
IK2WYI	4,408	65	38	C	B
IK2ULV	4,292	68	37	C	B
IT9LNH	17,696	134	56	C	A
IK1ZYW	3	1	1	C	A
IO4T	1,291,696	1886	266	D	
IQ2LS	321,492	908	146	D	
Macedonia					
Z38AV (YU7AV, op)					
	1,396,878	2241	237	C	C
Poland					
SP6IEQ	123,080	342	136	A	C
SP2FKE	14,976	100	52	A	C
SP9CUX	3,458	49	26	A	C
SP3CJS	989	29	23	A	C
SP6AEG	589	27	19	A	C
SP3IQ	425	23	17	A	C
SP7HKK	363	17	11	A	C
SP6T	189	15	9	A	C
SP4ZO	72	12	6	A	C
SP6EKS	72	12	6	A	C
SP9ATE	72	12	6	A	C
SP6TGD	60	10	6	A	C
SP6YGB (SP6CES, op)					
	48	10	6	A	C
3Z8Z	319,086	782	171	A	B
SP2GJV	263,109	579	201	A	B
SP3OL	218,120	604	164	A	B
SP2GMA	166,522	466	139	A	B
SN6A (SP6CES, op)					
	144,256	432	128	A	B
SP6MLX	137,610	390	139	A	B
SQ9MZ	121,704	421	132	A	B
SQ9ZM	119,427	408	141	A	B
SP6KFA (SP6JQC)					
	117,453	414	119	A	B
SP6FXY	77,935	329	109	A	B
SP3FLQ	76,648	268	134	A	B
SQ6R	71,529	294	113	A	B
SP1DTG	70,356	265	164	A	B
SP6XP	69,080	275	110	A	B
SQ6NES	68,310	242	115	A	B
SP8EDD	65,093	314	119	A	B
SQ3A	62,560	260	85	A	B
SP7EXJ	57,974	238	101	A	B
SP4TKR	56,684	351	74	A	B
SP9LWH	51,660	246	105	A	B
SQ9DXN	47,808	259	96	A	B
SP9SOU	46,200	208	100	A	B
SP7FBQ	44,232	227	97	A	B
SP6GF	37,350	158	90	A	B
SP7JOA	36,890	190	70	A	B
SP7QHR	36,864	191	64	A	B
SP6BAA	23,218	163	94	A	B
SP3DSC	22,100	129	68	A	B
SP2HXY	19,481	141	77	A	B
SP3DOF	19,240	131	74	A	B
SP4GHL	19,140	130	60	A	B
SP5BB	19,008	110	72	A	B
SQ5EK	17,765	107	55	A	B
SP9ZE	17,750	121	71	A	B
SP9NH	13,416	145	104	A	B
SP1NY	13,325	101	65	A	B
SP1MVG	12,445	101	95	A	B
SP8HDP	12,194	123	91	A	B
SQ6FHP	11,396	128	77	A	B
SP5AZN	10,915	93	59	A	B
SP2AJO	10,058	69	47	A	B
SP1YSZ (SP1O, op)					
	9,374	88	86	A	B
SP3JIA	8,600	70	43	A	B
SP6FXF	8,256	83	43	A	B
SP4JCQ	8,256	68	43	A	B
SP6DNZ	8,056	70	53	A	B
SP5CGN	8,024	78	59	A	B
SP9IKN	5,568	96	32	A	B
SP1DID	3,100	56	31	A	B
SO6A (SP6IHE, op)					
	2,730	49	35	A	B
SP2LNW	2,403	37	27	A	B
SP9KOV (SP9CTS)					
	2,263	37	31	A	B
SP8FPK	1,880	41	40	A	B
SP4Z	1,200	34	25	A	B
SP3FAR	1,012	27	22	A	B
SP4INT	760	28	19	A	B
SP6JUD	544	22	16	A	B
SP3FLR	364	16	13	A	B
SQ9AOJ	240	19	12	A	B
SP7MTF	216	16	9	A	B
SP8MCE	180	15	12	A	B
SP6BBE	119	13	7	A	B
SP9DEM	90	10	9	A	B
SP1JX	88	11	8	A	B
SP3AXR	72	12	6	A	B
SP6YAQ	72	12	6	A	B
SQ9IET	72	12	6	A	B
SP3FYX	72	12	6	A	B
SP3HUU	72	12	6	A	B
SP9ENV	72	12	6	A	B
SP6ZI	72	12	6	A	B
SQ3TQM	72	12	6	A	B
SP3LGF	72	12	6	A	B
SQ9UM	72	12	6	A	B
SP8NR	72	12	6	A	B
SP6GCU	72	12	6	A	B
SP6IHE	72	12	6	A	B
SP6DAY	72	12	6	A	B
SP8AJK	72	12	6	A	B
SP6CZ	72	12	6	A	B
SP6RYW	72	12	6	A	B
SN0RZ (SP8AJK, op)					
	72	12	6	A	B
SP3GTS	72	12	6	A	B
SP6KFK	72	12	6	A	B
SP6LHP (SP6IHE, op)					
	72	12	6	A	B
SP6OJG	72	12	6	A	B
SP1YFK	72	12	6	A	B
SP6RZ	72	12	6	A	B
SP6CFT	72	12	6	A	B
SP1RKB	60	11	6	A	B
SP6EFY	35	7	5	A	B
SQ2EEQ	30	7	5	A	B
SP5DDJ	15	5	3	A	B
SP6RVT	15	9	5	A	B
SP7GIQ	12	5	3	A	B
SP7IBL	12	4	3	A	B
SP9RQH	40,756	233	92	A	A
SP3C	10,202	171	98	A	A
SP6LHF (SP6IHE, op)					
	72	12	6	A	A
SP3GXH	370,752	743	192	B	C
SP5GMM	142,642	395	146	B	C
SP3GHK	121,903	401	139	B	C
SN2V (SP2CMD,op)					
	95,175	351	141	B	C
SP0PZK (SP2JMR, op)					
	13,455	116	65	B	C
SP6BFL	196	14	14	B	C
SQ2CFK	4	2	2	B	C
3Z6V (SP6DVP, op)					
	240,570	739	162	B	B
SQ9ACH	153,549	446	141	B	B
SQ9ITH	138,824	431	148	B	B
SP4AAZ	106,575	329	147	B	B
SP4SHD	102,952	363	136	B	B
SQ7B	93,483	344	141	B	B
SP6NVK	83,750	304	125	B	B
SP1DMD	80,949	292	121	B	B
SQ2EAN	79,886	326	118	B	B
SP4LVK	74,382	271	138	B	B
SP1QY	66,336	280	96	B	B
SP1I	64,371	220	129	B	B
SP5FCS	63,903	266	119	B	B
SQ9ANS	62,748	261	108	B	B
SP9HZF	58,103	189	97	B	B
SP2JSS	54,741	254	71	B	B
SP2FTL	46,543	224	109	B	B
SP1HLE	44,160	246	92	B	B
SP3JHY	43,442	195	107	B	B
SQ2BXI	43,355	203	115	B	B
SN9A	31,150	187	89	B	B
SP8OOB	30,030	161	110	B	B
SP8ONB	25,110	152	90	B	B
3Z10BDB	21,887	215	43	B	B
SP7QJB	21,829	155	83	B	B
SP7TEX	21,615	177	55	B	B
SQ9BDN	20,995	140	85	B	B
SP9JCN	15,939	120	77	B	B
SQ9AOR	14,112	134	42	B	B
SQ9FCH	10,726	102	62	B	B
SP6DHH	9,735	133	33	B	B
SP4AUN	9,180	98	60	B	B
SQ8T	8,384	76	64	B	B
SP2ALT	7,605	98	45	B	B
SP5TAM	5,832	61	54	B	B
SP9OJQ	5,800	61	40	B	B
SP5DRE	5,642	62	31	B	B
SP3KFH (SP3JHY, op)					
	3,293	49	37	B	B
SQ9NRF	2,610	41	30	B	B
SP5UG	1,924	45	37	B	B
SQ5HD	1,716	35	26	B	B
SP9TPB	1,092	22	21	B	B
SP9PTG	596	29	19	B	B
SP9KGG	420	23	12	B	B
SP3FTA	225	15	15	B	B
SQ5GVY	112	9	7	B	B
SP2KKB	77	9	7	B	B
SP5EWX	49	7	7	B	B
SP6OPY	48	7	8	B	B
SP5BR	36	6	6	B	B
SQ6LAK	36	6	6	B	B
3Z6AET	25	5	5	B	B
SP1CRI	9	3	3	B	B
SQ2DYF	44,172	219	108	B	A
SQ5ABG	3,774	64	37	B	A
SP9BMH	3,344	57	38	B	A
SP9W	608,645	1149	205	C	C
SP2QG	564,672	1039	204	C	C
SP7JQQ	538,083	1008	189	C	C
SP4AVG	20,868	167	47	C	C
SP2ASJ	9	3	3	C	C
SP2AYC	358,864	800	176	C	B
SP3ASN	351,528	625	194	C	B
SQ9FMU	345,709	647	203	C	B
SP2HPD	333,928	700	178	C	B
SP3PL	292,928	536	199	C	B
SP2AVE	262,602	645	162	C	B
SP8BAB	254,688	498	168	C	B
SP5CJQ	233,450	577	161	C	B
SP3DIK	223,782	487	151	C	B
SP4GFG	222,396	561	172	C	B
SP3BJK	213,365	594	139	C	B
SP9EMI	175,700	473	175	C	B
SP9FT	122,752	371	128	C	B
SN5J (SP5JXK, op)					
	121,985	311	155	C	B
SP3LWP	109,138	276	142	C	B
SP9CV	107,066	344	134	C	B
SP7FGA	95,485	293	113	C	B
SP2DNI	87,000	331	116	C	B
SP7LFT	83,145	252	115	C	B
SP5MBA	82,992	283	112	C	B
SP1AEN	80,352	289	108	C	B
SP3MEP	80,134	348	103	C	B
SP8JHM	71,721	262	117	C	B
SP2UKB	64,130	221	106	C	B
SP9GKM	63,460	271	95	C	B
SP9NSV	57,785	225	91	C	B
SP4BOS	46,526	221	86	C	B
SP9ADV	43,680	221	91	C	B
SP4TBM	35,250	156	125	C	B
SP5ULV	30,711	129	87	C	B
SP8FHJ	29,016	172	93	C	B
SP7BDS	27,360	134	90	C	B
SP3GRQ	26,290	173	55	C	B
SP5CNA	24,508	259	44	C	B
SP4DZT	22,200	127	60	C	B
SP4BY	21,528	124	72	C	B
SP5NZN	19,024	146	58	C	B
SP9DUX	18,816	146	42	C	B
SP4CQU	16,308	125	54	C	B
SP5IMK	12,338	87	62	C	B
SQ3BKL	8,398	87	38	C	B
SQ1EUG	7,772	81	58	C	B
SQ7FPD	6,192	99	43	C	B
SP3HC	5,724	80	27	C	B
SP9ZHR (SQ9JXG, op)					
	2,142	39	34	C	B
SP6HTQ	1,122	28	17	C	B
SQ9HZM	128	12	8	C	B
SP4TBY	72	12	6	C	B
SP4BKK	72	12	6	C	B
SQ4BY	72	12	6	C	B
SO5O	816,403	1535	223	D	
SP9ZST	767,280	1454	184	D	
SP3PLD	544,640	951	230	D	
SP9KRT	337,155	752	195	D	
SN0KAL	198,506	562	154	D	
SP3KRF	100,080	369	139	D	
SP9KJT	58,581	314	69	D	
SP4PBI	1,025	38	25	D	
SP6KYU	972	30	27	D	
Romania					
YO4AAC	116,217	461	111	A	C
YO8BPK	202,640	621	149	A	B
YO3FLQ	46,280	276	89	A	B
YO3JW	17,983	165	49	A	B
YO5CRQ	6,808	89	46	A	B
YO4RHK	1,272	35	24	A	A
YO5OHZ	2,560	95	20	B	C

YR5A (YO5TE, op)
344,350 927 194 B B
YO3CZW 231,275 778 145 B B
YO3FYS 60,480 290 105 B B
YO3AIL 53,880 239 120 B B
YO5BWI 41,984 187 82 B B
YO8GF 23,256 168 76 B B
YO9DBP 22,242 170 66 B B
YO8ROM 17,877 156 59 B B
YO2LPC 9,145 143 31 B B
YO2LYN 6,840 109 30 B B
YO8CQM 4,350 108 25 B A
YO2AQB 116,802 350 126 C C
YO6BHN 59,020 522 52 C C
YO5CBX 373,458 831 201 C B
YO4GDP 283,650 820 150 C B
YO9AGI 115,840 444 128 C B
YO8BIG 88,260 555 60 C B
YO5DAS 80,250 313 107 C B
YO8RKQ 79,492 322 119 C B
YO8BPY 71,762 305 106 C B
YO4BBH 53,040 295 60 C B
YO7ARZ 171 11 9 C B
YO4BII 40,626 218 74 C A
YO2IS 31,119 275 41 C A
YO9KPM 23,725 157 73 D
Sardinia
IS0OMH 36,120 222 84 C B
Serbia and Montenegro
YT6A 2,834,170 3311 290 A C
YT5A 1,814,272 2555 256 A B
YZ1V (YU1SB, op)
148,863 432 143 A B
YT1AT 49,416 220 116 A B
YU1RA 5,850 94 39 A B
YU7CW 4,655 75 35 A B
YU1LM 207,315 573 153 A A
YT7A (YT7WA, op)
1,298,475 2170 225 B C
YT1BB 1,066,318 1886 209 C C
YU1WC 432,140 770 205 C B
YU1JU 322,538 719 166 C B
YZ1EW 305,577 750 171 C B
YU1PC 134,332 412 142 C B
4N1GZ 63,072 242 96 C B
YU7KM 32,010 183 66 C B
YU7RQ 27,101 267 41 C B
YT7TY 402,810 920 174 C A
YU1R 1,082,984 2367 166 D
YT1U 70,560 331 112 D
4N200A 70 14 5 D
Slovakia
OM5A (OM3LA, op)
1,803,165 2334 273 A C
OM7YC 132,580 410 140 A B
OM7AT 99,568 370 127 A B
OM1AW 80,652 309 132 A B
OM5NA 40,117 207 77 A B
OM3YK 76,136 262 124 B B
OM4JD 13,446 96 81 B B
OM4DN 354,048 701 192 C B
OM1GM 332,940 674 179 C B
OM3CDN 28,120 186 74 C B
Slovenia
S53O 1,397,162 2129 221 A C
S50A 1,647,499 2058 259 B C
S57DX 1,502,205 2226 255 B C
S57UN 1,307,873 1824 257 B C
S59AA 1,047,335 1465 233 C C
S51J 463,872 1050 151 C C
S57J 809,416 1300 212 C B
S57U 49,600 191 124 C B
Switzerland
HB9QA 19,669 123 89 A B
HB9JOE 1,860 39 30 A B
HB9DTM 40 9 5 A B
HB9XBY 36,252 170 106 B B
HB9ARF 260,498 780 161 C B
HB9AZZ 100,681 326 133 C B
HB9CPS 36,247 173 67 C B
HB9HQX 36,002 220 94 C B
HB9DAX 71,280 350 72 C A

Zone 29
Azerbaijan
4K9W 96,390 299 105 C B
Belarus
EW1CQ 404,073 769 171 A C
EU4LY 225,172 615 164 A C
EU1CC 160,000 540 125 A C
EU2MM 22,200 148 60 A A
EU1AD 39,270 270 51 B C
EW6DX 10,648 101 44 B B
EU4CQ 130,977 377 147 C B
EU6AA 117,585 422 117 C B
EW8OS 109,766 302 142 C B
EW2EG 2,523 51 29 C B
Estonia
ES1AJ 1,062,200 1652 226 A C
ES6KW 10,120 112 46 A B
ES6PZ 64,390 310 94 A A
ES6PA 25,900 162 74 B B
ES1CN 15,352 171 38 B B
ES6RMR 8,470 101 35 B B
ES5CX 4,300 82 25 B B
ES5RIM 2,358 63 18 B B
ES4RD 407,826 991 139 C B
ES4MM 214,368 380 203 C B
European Russia
RK4FF 2,890,880 2875 320 A C
RN3QO 2,223,277 2432 289 A C
RK6BZ 155,122 493 121 A C
RA6DB 143,484 710 66 A C
UA3TCJ 75,682 317 79 A C
UA4NCI 26,712 179 53 A C
RU3DX 4,797 60 39 A C
UA3DPX 1,115,000 1742 223 A B
RW3GU 1,061,292 1574 236 A B
RZ4AG 557,037 969 207 A B
RU4SS 397,950 1007 150 A B
RV4LC 178,532 442 157 A B
RN6FA 172,508 650 101 A B
UA3LEO 146,880 434 135 A B
RZ3VA 138,414 456 138 A B
RZ3DA 125,891 374 131 A B
RX3DBG 89,600 365 100 A B
RA3AF 85,956 272 116 A B
RD3AN 80,304 294 112 A B
RW3VZ 68,882 294 101 A B
RA4FJV 66,248 300 91 A B
RA6FQL 55,204 288 74 A B
RK3DH 41,314 190 91 A B
RA3FD 40,495 209 91 A B
RX3RZ 37,500 199 75 A B
RN3AQ 11,286 115 38 A B
RN6HZ 4,930 63 34 A B
UA4CC 1,584 36 22 A B
UA6JVP 1,683 45 17 A A
RK4FD 958,870 1531 230 B C
RN4LP 787,077 1208 243 B C
RA6AFB 461,296 1007 176 B C
RV4HC 173,745 538 117 B C
UA4HOX 156,000 526 120 B C
RX3DCN 112,840 354 124 B C
UA4NC 78,045 284 121 B C
RV3NA 24,708 137 58 B C
RV6BC 146,300 432 133 B B
UA1AFZ 126,464 412 128 B B
UA3LHL 113,710 350 137 B B
RN3FS 87,639 272 131 B B
UA3OQ 84,490 295 119 B B
RK6AIQ 40,866 193 98 B B
UA3BZ 39,220 171 106 B B
RA6FNG 37,224 207 88 B B
RA3DGH 31,680 168 80 B B
RA3AMG 30,880 148 80 B B
RA3DNC 10,980 104 45 B B
RK3DZD 6,952 76 44 B B
RN3OG 6,182 93 22 B B
RN4AAK 5,882 59 34 B B
UA3BL 284,931 608 183 B A
RD3A 2,682,192 2626 323 C C
RZ3AZ 1,645,344 1942 288 C C
UA3RAR 1,610,946 2010 279 C C
RT3A (RU3AA, op)
1,345,194 1716 261 C C
RM3C (RA3CW, op)
1,026,935 1388 259 C C
UA3AGW
1,013,252 1234 274 C C
RT3T (UA3TU, op)
828,696 1364 219 C C
RW4FZ 562,612 1183 172 C C
RV3FI 357,420 707 185 C C
RU6YY 260,520 483 195 C C
RV6YB 170,844 505 138 C C
RX3OM 133,875 430 119 C C
UA3DEE 122,988 351 111 C C
UA6AKD 37,895 258 65 C C
UA3MDX 20,886 153 59 C C
UA6JFG 17,836 131 52 C C
RU3RQ 4,959 67 29 C C
UA4FER 1,151,500 1655 250 C B
RN6AL 849,456 1450 204 C B
RW3GB 719,178 1166 201 C B
RA3NZ 607,546 1072 214 C B
RU6FA 591,200 1106 200 C B
RV3LO 414,932 715 203 C B
RA6AAW 305,448 649 178 C B
UA6HON 299,782 689 161 C B
RK4HD 270,963 550 187 C B
RU3VD 249,568 508 176 C B
RN4SS 237,450 646 150 C B
RN3BD 228,528 604 138 C B
UA4AGO 191,541 514 147 C B
RZ1CXS 179,200 472 140 C B
RZ6HF 149,572 451 122 C B
UA3QCB 146,118 443 147 C B
RN6AT 141,930 483 114 C B
RX3AGQ 120,124 401 118 C B
UA3AKI 117,192 397 114 C B
RV3LQ 111,104 356 124 C B
RU3WR 98,769 318 123 C B
UA3DCW 80,388 332 87 C B
RA3FH 77,945 292 85 C B
RV4AQ 76,632 324 103 C B
RX3AA 70,032 260 67 C B
UA3RF 64,699 266 97 C B
RV6LFE 59,345 267 83 C B
RX3AP 56,240 275 74 C B
RV3PN 54,540 235 90 C B
RU3DM 34,992 148 108 C B
RU3MW 18,921 167 51 C B
RA4NCC 14,688 157 36 C B
RX3MM 14,400 125 40 C B
RK3DSW 14,045 93 53 C B
RU4CO 9,090 99 45 C B
UA3VFI 7,881 88 37 C B
RA1AFT 6,936 71 34 C B
UA4AN 1,995 57 15 C B
UA3DOM 903 25 21 C B
RD3AP 133 7 7 C B
RW3AI 87,165 298 117 C A
RU2FM 37,130 196 79 C A
RV3DBK 21,222 174 54 C A
RL3A 3,227,064 3126 344 D
RF3A 1,788,480 2275 270 D
RK3MWD 1,164,886 1671 239 D
RK3SWB 500,760 982 180 D
RK3RWA 189,924 501 147 D
RK3QWM 387,315 798 171 D
Georgia
4L1MA 570 17 15 C B
Latvia
YL0A (YL2KA, op)
1,646,670 2100 262 A C
YL2GD 1,212,299 1764 233 A C
YL2KO 757,668 1205 206 A C
YL2TW 499,748 985 202 A B
YL2CZ 58,850 273 110 A B
YL1ZJ 8,164 151 26 B B
YL3BZ 6,864 90 24 B B
YL2LY 954,980 1262 260 C C
YL2PQ 936,064 1625 206 C C
YL5W 644,850 1056 225 C B
YL8M (YL2KL, op)
573,438 1210 186 C B
YL2PA 50,864 215 88 C B
YL2RM 3,441 62 31 C B
YL1XN 176,593 589 137 D
Lithuania
LY5R (LY3BP, op)
474,744 989 151 A C
LY3CY 180,908 554 142 A B
LY3BH 107,983 428 83 B C
LY2CX 29,425 201 55 B C
LY2OU 196,392 508 168 B B
LY1DJ 75,922 291 119 B B
LY2BET 13,534 93 67 B B
LY2XW 561,450 1127 190 C C
LY1DT 452,140 869 188 C B
LY2MM 392,951 807 181 C B
LY2IC 319,404 693 172 C B
LY2AT 115,780 347 140 C B
LY2GW 104,940 315 132 C B
LY2BOS 25,071 165 61 C B
LY2MW 337,306 625 191 C A
LY4BF 279,480 693 170 C A
LY7Z 3,320,461 3043 337 D
Moldova
ER3CT 71,656 298 104 B B
Ukraine
UW5Q 1,557,328 1998 262 A C
UZ8M (US0MR, op)
1,194,501 1727 231 A C
UY5ZZ 1,059,516 1587 228 A C
UR5E (UR5EDX, op)
487,512 934 216 A C
US9QA 441,378 890 186 A C
US6IMA 325,980 751 180 A C
US1MM 129,794 379 146 A C
UR7QM 117,700 452 107 A C
UT8EL 18,360 138 68 A C
UT2UB 14,760 105 60 A C
UR6QS 450,120 936 186 A B
UR6GWZ (UR5GFO)
428,040 852 205 A B
US7IGF 303,000 961 101 A B
UR8QR 136,576 415 128 A B
UV1G 117,132 414 129 A B
UT7DW 99,110 378 106 A B
UW7C 96,096 365 112 A B
US5EEK 88,061 299 107 A B
UT8IT 86,268 348 84 A B
UR5GAW 26,654 291 78 A B
UT5ZC 22,185 228 45 A B
UT0RM 19,552 142 52 A B
UR5XDB 13,298 114 61 A B
UR4III 322 23 14 A B
US0KW 34,782 178 93 A A
UT5UGR
2,009,079 2312 279 B C
US5D (UT7DX, op)
1,239,327 1770 233 B C
UT3SA 233,220 649 138 B C
UR0UL 109,040 434 94 B C
UT6IS 56,364 309 77 B C
UR7EM 52,942 227 103 B C
UT7MD 45,962 187 98 B C
UR5MNZ 422,184 821 196 B B
UR7M 148,295 447 133 B B
UR6MX 82,650 325 87 B B
UR5WDQ 18,837 142 63 B B
UT8RR 5,960 66 40 B B
UR5ZTH 3,952 46 38 B B
UR4MBI 3,636 51 36 B B
UR5RO 3,344 56 38 B B
UR5ROQ 2,028 41 26 B B
UR5ZLK 364 13 13 B B
EO1I (UT1IA, op)
1,587,300 2055 275 C C
UW8M (UR5MID, op)
1,457,988 2010 238 C C
UT7EZ 548,249 1154 181 C C
UY0ZG 537,588 882 218 C C
UT2AU 228,689 508 163 C C
UT4XU 208,200 519 150 C C
UV5U (UX1UA,, op)
41,791 220 79 C C
UT3EK 15,036 127 42 C C
UY8IF 797,720 1452 185 C B
UR3HC 760,092 1330 194 C B
UT2IO 688,023 1188 201 C B
UT4ZG 649,235 1123 205 C B
UW2F (UT0FT, op)
349,575 765 177 C B
UV7M (US5MTJ, op)
250,694 624 163 C B
UR7EQ 243,486 592 162 C B
UR8RF 176,863 466 149 C B
UR5FS 164,500 485 125 C B
UT1IR 138,262 361 146 C B
UT3NK 96,810 413 105 C B
UU4J (UU4JO, op)
94,282 310 118 C B
UX7QD 90,090 571 55 C B
UX0ZX 69,030 280 90 C B
UX1HW 61,152 263 91 C B
UY5YA 49,560 225 84 C B
US1IV 39,060 177 93 C B
UR5IPD 32,725 148 77 C B
UT2QQ 23,520 120 80 C B
UW5RO 10,810 98 47 C B
UY2RZ 6,232 66 41 C B
UT5ZA 495 20 15 C B
US3QW 9,061 95 41 C A
UR5ZQV 6,552 74 42 C A
UZ4E 1,152,651 1824 233 D
UR4QWW 618,032 1109 214 D
UT5IZO 497,952 1073 168 D
UW7W 180,300 365 150 D
UX4E 84,993 303 123 D
UR4EZC 53,250 302 75 D
UR4ZWL 32,760 239 60 D
UR4EXA 1,100 28 25 D

Zone 30
Asiatic Russia
RG9A (UA9AM, op)
2,941,056 2509 276 A C
RW9SW 1,327,508 1603 196 A C
UA9CLB 1,055,894 1272 199 A C
UA9FM 4,401 57 27 A C
UA9CDC 855,376 1092 193 A B
RU9WB 70,600 223 100 A B
RX9WN 10,200 74 51 A B
RV9WB 77 7 7 A B
UA9ACJ 176,660 342 146 B C
RW9TB 8,342 150 86 B C
RA9AU 327,978 589 137 B B
UA9AFA 190,500 431 125 B B
UA9CL 156,940 336 133 B B
RX9FR 86,424 284 78 B B
RW9TP 86,039 251 97 B B
RX9FG 73,188 253 76 B B
RW9TA 1,221,360 1364 210 C C
RX9AF 668,300 978 164 C C
RX9TX 241,449 503 123 C C
UA9FGJ 398,008 609 172 C B
UA9DD 121,524 296 123 C B
RW9QA 83,104 248 98 C B
RV9CLF 58,735 214 85 C B
UA9QCP 1,480 34 20 C B
RT9W 3,640,890 2883 295 D
RK9CWW
1,733,024 1690 248 D
European Russia
RF4R (UA4RC, op)
1,726,800 2047 300 A C
RN4WA 495,198 1021 183 A C
RD4WA 339,264 741 171 A B
UA4WLI 3,624 70 24 A B
UA4LCQ 84,739 241 101 B B
RU4WW 844,512 1269 228 C C
RY4J 2,279,952 2926 284 D
RK4WWA 630,785 1141 205 D
Kazakhstan
UN7LZ 858 28 22 A B
UN6LN 723,195 1072 165 C C
UN7MO 1,198,600 1378 200 C B
UN7CN 48,240 178 90 C A
Turkmenistan
EZ8CW 3,016 41 29 A B
Uzbekistan
UJ/JI2MED 116,721 315 99 C B

Zone 31
Asiatic Russia
UA9OV 114,475 341 95 A B
RV9UP 78,624 275 84 A B
RZ9OW 105,575 276 103 B C
UA9YAD 76,527 230 99 B C
RA9UAG 89,864 262 94 B B
RU9YF 20,145 98 85 B B
RU9UN 22,895 103 95 C C
UA9OA 152,292 366 111 C B
RZ9OJ 26,180 138 55 C B
RZ9IB 19,640 144 40 C B
RZ9OZO 2,170,744 2084 248 D
RW9HZZ 363,242 715 121 D
Kazakhstan
UN6G 284,388 535 156 A C

UN5J	12,480	90	40	C	C
Kyrgyzstan					
EX2X	348,356	609	146	C	B
Zone 32					
Asiatic Russia					
RA0AM	294,224	542	148	B	C
RV0AR	147,138	304	137	B	B
UA0APV	65,120	224	80	B	B
RU0AW	591,690	901	165	C	C
UA0ACG	273,878	581	118	C	C
UA0AZ	14,663	95	43	C	C
RA0AA	351,267	705	129	C	B
RU0AE	119,508	332	92	C	B
UA0SJE	25,767	134	63	C	B
RU0ST	5,040	48	40	C	B
UA0AZA	1,426,656	1612	231	D	
Zone 33					
Asiatic Russia					
RW0UU	43,098	203	66	B	C
RK0UWC	223,443	570	111	D	
Zone 34					
Asiatic Russia					
UA0FX	294	17	6	A	A
RA0LE	43,945	177	85	B	B
RU0LL	293,720	622	140	C	C
RA0FU	165,572	470	106	C	B
RW0LIA	68,714	259	86	C	B
UA0AKY	35,206	173	58	C	B
Zone 36					
Azores					
CU2YK	66,528	322	72	B	B
Canary Islands					
EA8ASJ	66,176	344	44	C	B
Madeira Islands					
CT3EE	134,820	330	107	A	B
Zone 37					
African Italy					
IH9/OL5Y					
	2,674,992	3074	184	A	C
Balearic Islands					
EA6TU	2,848	43	32	B	B
Morocco					
CN8YR	17,775	102	45	C	B
Portugal					
CS6T (CT1ILT, op)					
	1,728,202	1978	266	A	B
CT1DVV	451,605	788	187	B	C
CT1DHM	329,300	662	185	B	B
CT/PA1B	27,160	162	56	C	A
CT1CXP	559	19	13	D	
Spain					
EA3KU	2,076,375	2595	245	A	C
EA7RM	555,100	1044	175	A	B
EA3FHC	24,455	170	67	A	A
EA5ON	552,096	1152	162	B	C
EA5KV	445,704	989	147	B	C
EA3QP	224,100	730	108	B	C
EA2CR	976	27	16	B	C
EA1OT	162,110	657	86	B	B
EA3EYD	150,600	457	120	B	B
EA5RM	34,594	246	49	B	B
EA7GXW	33,215	182	65	B	B
EA3DEN	25,025	151	65	B	B
EA3NA	20,996	120	58	B	B
EA1TI	15,850	120	50	B	B
EA5GFK	10,920	108	42	B	B
EA4WC	10,384	77	59	B	B
EA7FRX	10,304	79	56	B	B
EA3FHP	4,176	60	29	B	B
EA2CHL	1,999	52	31	B	B
EA7HE	200	11	10	B	B
EA5FV	1,480,715	1917	233	C	C
EA5FID	184,731	466	139	C	C
EA1DX	10,080	96	40	C	C
EA5AFP	179,676	623	92	C	B
EA1WX	125,668	413	89	C	B
EA5EOH	102,491	300	113	C	B
EA7CA	91,332	250	129	C	B
EA1CS	50,775	239	75	C	B
EA7AAW	35,496	333	36	C	B
EA1VM	22,222	127	82	C	B
EA2AHZ	16,848	176	36	C	B
EA1FBJ	2,299	51	19	C	B
EA4RCT	719,320	1184	196	D	
ED5QB	128,084	352	142	D	
Tunisia					
3V8BB (YT1AD, op)					
	4,287,712	3320	286	A	C
Zone 38					
Egypt					
SU9US	226,156	589	82	C	B
Zone 39					
Cyprus					
5B4AHA	1,607,151	1751	203	C	C
H2G (5B4AGC, op)					
	449,732	848	116	C	C
5B/RW4WR					
	4,524,170	4038	245	D	
Israel					
4Z5LZ	22,387	110	61	B	B
4X/OK1FIA					
	877,211	1380	137	C	C
Qatar					
A71EM	26,144	185	32	B	B
Turkey					
TA2MW	155,520	497	81	B	B
TA1DX	1,624	34	29	B	B
TA4/DL2OBO					
	92,796	296	74	C	B
United Arab Emirates					
A61AJ (S53R, op)					
	2,933,718	2713	249	A	C
Zone 41					
India					
VU3DJQ	16,632	115	42	B	B
Sri Lanka					
4S7NI	27	3	3	C	B
Zone 44					
China					
BA4DW	47,680	206	80	A	C
Hong Kong					
VR2XMT	55,205	318	61	B	B
VR2XLN	11,271	88	39	B	B
VR2BG	449,108	762	173	C	C
Macao					
XX9ARM (XX9BB, op)					
	30,659	279	43	B	B
South Korea					
DS5KJR	65,540	408	58	A	B
HL3AMO	6,228	60	36	A	B
HL2/JH1FXF	755	59	5	A	B
HL5UOG	213,696	494	126	C	C
HL2FDW	173,003	497	113	C	B
DS1CCU	25,720	218	40	C	B
DS5DNO	4,980	80	20	C	B
Taiwan					
BV2WS	4,320	51	32	C	B
Zone 45					
Japan					
JH4UYB	1,413,216	1607	224	A	C
JH7PKU	875,602	1318	182	A	C
JA1CG	208,356	544	97	A	C
JA0QWO	189,329	438	119	A	C
JH2AMH	131,546	374	106	A	C
7N4WZI	115,020	326	108	A	C
JR3UIC	107,120	264	130	A	C
JA1PCY	103,180	295	110	A	C
JA2FSM	91,096	258	118	A	C
JA2AXB	86,008	241	104	A	C
JR1VAY	46,228	178	91	A	C
JF9JTS	28,320	153	48	A	C
JA7DOT	23,140	102	89	A	C
JD1BLQ	1,903	129	11	A	C
JF2FIU	48	6	6	A	C
JM1NKT	238,400	495	149	A	B
JL3TEM	116,964	290	114	A	B
JR4GPA	97,679	307	97	A	B
JA3PYC	94,160	250	110	A	B
JA2IU	88,434	277	102	A	B
JL7AIA	57,321	206	99	A	B
JI1HFJ	38,458	159	82	A	B
JA1XPU	29,640	133	65	A	B
JE1COB	29,575	156	65	A	B
JM1GHT	28,334	141	62	A	B
JK2VOC	15,120	114	54	A	B
JH1WFK	5,640	57	40	A	B
JA2EAB/1	4,896	16	9	A	B
JF2UED	4,032	47	36	A	B
JH1FNU	3,534	48	31	A	B
JE1REU	2,928	53	24	A	B
JA1XRH	848	21	16	A	B
JL1OWF	580	17	10	A	B
7K2PBB	455	27	7	A	B
JA1XUY	432	15	9	A	B
JA3QOS	320	12	8	A	B
JF1ABZ	50	5	5	A	B
JR0EFE	12	4	4	A	B
JH7XMO	24,180	144	62	A	A
JA6GCE	653,794	1030	178	B	C
7J2YAF	613,335	1084	155	B	C
JA7NVF	529,098	884	163	B	C
JA4DPL	19,494	114	54	B	C
JG2REJ	13,515	79	53	B	C
JH8DEH	8,118	270	22	B	C
JH2BTM	5,070	56	39	B	C
JA3AOP	62,961	218	93	B	B
JO1ZYI	45,485	306	55	B	B
JJ0AEB	6,125	57	35	B	B
JA1GLE	4,050	58	27	B	B
JR1MRG	3,668	44	28	B	B
JA2GHP	2,604	50	21	B	B
JA8IJI	2,461	36	23	B	B
JA1KK	2,001	27	23	B	B
JG0EKW	1,836	29	17	B	B
JH1RDU	1,602	30	18	B	B
JA3PYH	1,566	33	18	B	B
7N2UQC	742	24	14	B	B
JA7ADV	672	24	14	B	B
JG1GCO	583	15	11	B	B
JD1BIA	408	24	8	B	B
JR3KAH	189	11	7	B	B
JA1LBZ	105	8	5	B	B
JI8BUR	95	11	5	B	B
JK1BII	4	2	2	B	B
JA2MWV	6,253	67	37	B	A
JH3DMQ	516	17	12	B	A
JI8GZS/1	322	28	7	B	A
JH3AIU	984,096	1224	204	C	C
7M4CDX	209,450	474	118	C	C
JO7KMB	152,125	404	125	C	C
JH1AZO	114,741	357	99	C	C
JA9CWJ	109,655	300	91	C	C
JA5APU	81,618	354	61	C	C
JA1QOW	79,968	204	102	C	C
JE2HVC	26,300	130	50	C	C
JA6CYL	24,120	120	60	C	C
JA7MJ	21,286	122	58	C	C
JO1QZI	19,600	100	56	C	C
JA7COI	8,127	43	33	C	C
JI1RXQ	348,504	610	156	C	B
JA2KVB	157,480	358	124	C	B
JF1NHD	152,308	526	116	C	B
JG3LGD	109,626	281	121	C	B
JG1EIQ	98,700	294	105	C	B
JA0XD	92,400	264	105	C	B
JH0NVX	79,054	260	94	C	B
JA2KKA	70,168	208	98	C	B
JH6WHN	53,768	184	88	C	B
JA1BNW	51,173	202	73	C	B
JH3CUL	41,943	150	93	C	B
JA1HTG	38,577	168	77	C	B
JA1IZ	37,400	141	88	C	B
JL3SIK	36,022	169	62	C	B
JF1MTV	34,110	131	90	C	B
JA1CP	33,516	140	76	C	B
JP1SRG	33,150	131	78	C	B
JN7OJA	32,186	126	77	C	B
7N4CLI	26,240	114	64	C	B
JI1CUP	25,944	118	69	C	B
JA0BMS	21,170	121	58	C	B
JA8AJE	20,119	118	59	C	B
JA1FBH	12,314	86	47	C	B
JA3AVO	11,836	76	44	C	B
JA2KPV	10,927	69	49	C	B
JA1CPZ	8,892	69	36	C	B
JA1EM	7,412	52	34	C	B
JE1TSD	6,708	60	43	C	B
JE5HTN	5,226	80	26	C	B
JA3DAY	4,843	45	29	C	B
JJ1BDX	3,874	47	26	C	B
JE2HCJ	2,369	35	23	C	B
JS6OFT	2,144	38	16	C	B
JQ2EHD	2,046	32	22	C	B
JO1WIZ	583	19	11	C	B
JR1UMO	448	14	14	C	B
JA1AAT	294	10	7	C	B
JR4PMX	161	9	7	C	B
JA4XNF	96	6	4	C	B
JR1NKN	31,188	150	69	C	A
JH1NXU	5,005	52	35	C	A
JL3AMK	5	1	1	C	A
JA2ZJW	609,317	1069	157	D	
Zone 48					
Ethiopia					
ET3TK (OK1DF, op)					
	880,844	1450	131	C	C
Sudan					
ST2T	381,388	797	106	B	B
Zone 49					
Thailand					
HS0ZDG (K4YT, op)					
	366,016	796	133	A	C
E21EIC	132,240	368	114	A	B
HS0ZEE	203,463	563	117	B	B
HS1JNB	11,572	102	44	B	B
E20WXA	300	14	10	B	B
HS0EHF	3,575	49	25	C	B
HS8KAY	612	21	12	C	B
Zone 50					
Philippines					
DU1EV	2,000	44	10	A	C
DU9RG	156,972	356	103	B	C
DU1BP	58,080	177	88	B	B
4E1SAN (DU1SAN, op)					
	2,254	37	14	B	B
4F2KWT	62,320	205	76	C	B
Zone 53					
Reunion					
FR5DN	2,772	44	22	A	C
Zone 54					
Indonesia					
YB0DPO	98,116	299	76	A	B
YC3MM	5,549	51	31	B	B
YB2MTA	40	4	4	C	C
YB2DGR	8,029	59	37	C	B
Singapore					
9V1GO	84,735	265	105	C	B
9V1YC	1,125,394	1528	194	D	
West Malaysia					
9M2/G4ZFE					
	577,959	1032	141	A	C
9M2KT	74,052	346	66	C	B
Zone 55					
Australia					
VK4DMP	15,570	95	45	B	B
VK4II	6,660	61	30	B	B
VK4TT	26,955	140	45	C	B
VK5KCT	16	4	4	C	B
Zone 56					
Fiji					
3D2BY (W1BYH, op)					
	4,250	41	25	A	B
Zone 57					
South Africa					
ZS4TX	708,722	980	161	B	C
ZS5NK	73,584	216	84	B	C
ZS1AJS	403	11	13	C	B
ZT6T	151,129	332	121	D	
Zone 58					
Australia					
VK6CG	364	12	8	B	B
Zone 59					
Australia					
VK3DBQ	32,364	149	62	A	B
VK2DXI	24,650	118	50	A	B
VK2CZ	28,080	155	45	B	C
VK7VH	20,108	115	44	B	B
Zone 60					
New Zealand					
ZL1V (ZL1CT, op)					
	988,368	1238	177	A	C
ZL1TM	178,020	381	115	A	B
ZL4PW	33,780	144	60	A	B
ZM6CL (ZL2AGY, op)					
	175,670	374	110	C	C
Zone 61					
Hawaii					
KH6NF (KH6SH, op)					
	304,524	668	99	A	C
KH6QJ	25,333	126	49	A	C
KH6GMP	6,336	49	32	A	B
KH6/WA2HFI					
	14,528	99	32	B	C
KH6WT (K1YR, op)					
	1,241,220	1726	151	C	C
NH7D	105	5	5	C	B
KH6B	1,860	25	20	C	A
Zone 62					
Western Samoa					
5W0DL (K8AA, op)					
	46,879	271	37	A	B
5W0TR (K8AQM, op)					
	115,895	392	65	C	B
Zone 64					
Guam					
KG6DX	220,290	471	105	A	C
Mariana Islands					
WH0V	16,350	124	30	C	C
AH0/NA8O					
	263,934	614	93	D	

DAØHQ 20,264,391 23093 441
(DF3CB DGØOBN DGØOHD DGØOKW DH1DX DH4SBO, DH7WW DJ2MX DJ7AA DK1QH DK4WA DK7YY DK8YY DL1AUZ DL1AWD, DL1AWI, DL1DTL, DL1MFL, DL1MGB, DL1VDL, DL1WA, DL2AMC, DL2AMT, DL2ARD, DL2NBU, DL2OE, DL2SAX, DL3ALI, DL3APO, DL3ARK, DL3DXX, DL3MXX, DL3OI, DL3TD, DL3JJ, DL4YY, DL4ALB, DL4RDJ, ops) DL5ANT DL5AOJ DL5AOL DL5ASE DL5AWI DL5AXX DL5LYM DL5XU DL5YY DL6MYL DL6RAI DL7VOA DL7ZZ DL8ALU DL8AUA DL8DYL DL8WAA DL9AWI DO2WW DO6WS DE1DDH, ops)

SNØHQ 18,621,007 18387 437
(SP-Ø4Ø4-JG SP2BZW SP2FAX SP3DOI SP3DWQ SP3GEM, SP3HRN SP3HUU SP3J SP3RBR SP3VT SP4-17-ØØ1 SP4DZT, SP4GFG SP4JCQ SP4R SP4Z SP4ZO SP5HNK SP5UAF, SP5XVY SP6A SP6BBE SP6CZ SP6DNS SP6EKS SP6GCU, SP6HEQ SP6IXF SP6M SP6ML SP6RZ SP6T SP6TGD, SP7GIQ SP7MTF SP7NJX, (SP7SP, SP7VC, SP8ATI, SP8BRQ,,SP8FHK, SP8FUX, SP8GQU, SP8GWI, SP8GXA, SP8LBK, SP8NFE, SP8NR, SP8QED, SP8RX, DJØIF, SP8SRZ, SP8TJU, SP9ENV, DL1EKO, SP9H, SP9HVV, SP9P, SP9XCN, SQ2BZW, SQ2CFB, SQ3A, SQ3JPM, SQ3TQM, SQ6ELV, SQ6MS, SQ8J, SQ8JLA, SQ8JX, ops)

R7HQ 17,882,415 13332 435

TMØHQ 17,592,271 15792 401
(F5LEN, F3CW, F8AQK, F5MSR, F5RMY, F5TSB, F6DDW, F5MBM, F1HAR, F5HRY, F5CW, F5IN, F6FVY, F5MZN, F5CQ, F6BEE, F8CRH, F6IFY, F5FLN, F6IRA, F4CIB, F1BLQ, F5OIU, F6DZO, F6ETI, F6IOC, F6HYE, F8BPN, F5IQA, F6FGZ, F5JSD, F6BGC, OM3CGN, F6FNL, F8BTR, F1ADG, F6AOI, F6DMQ, F5USK, F5LTT, F18Ø39, F15452, F4ARU ,F1JRD, ops)

GB5HQ 17,543,295 14856 415
(GØCAC, GØCKP, GØDVJ, GØMTN, GØWMW, G3LZQ, G3SJJ, G3SXW, G3SVL, G3TJE, G3TXF, G3WVG, G4BJM, G4BUO, G4BWP, G4BYG, G4CXT, G4DRS, G4OBK, G4PIQ, G4RCG, G4TSH, G5LP, G6PZ, GMØGAV, GMØRLZ, GM4AFF, GM4ZRR, GU4YOX, MØBEW, MØCLW, MØCMK, M5RIC, MMØERK, ops)

9AØHQ 15,473,855 14138 421
(9A2EU, 9A3LG, 9A3NM, 9A3NY, 9A3OS, 9A3PA, 9A4RV, 9A4RX, 9A4VV, 9A5MR, 9A6DM, 9A3TR, 9A7V, 9A8A, 9A9A, 9A5E, 9A5W, 9A7R, 9A5AEI, 9A2RD, 9A6XX, 9A6NDX, ops)

EM7HQ 15,111,398 12250 422
(UUØJX, UU3JM, UUØJL, UU1DX, UR5FEL, UY2UF, UT7QF, UR8QX, UT7EC, UY5ZZ, ops)

YT8ØHQ 11,994,240 12724 384
(4N1SM, YZ7AA, YU7CB, YU9VK, YU1YV, YZ1ZV, 4N1JA, YU1BX, 4N1NW, 4N1LB, YU1EW, YU1XX, YT1XX, YU1NW, YU1AU, YU1IG, YU1JW, YU1ZZ, YU1WS, YZ1AU, YT1HA, YU1KK, YU1DX, YZ1SG, YZ1DO, YT7AW, YZ7EM, YU7AL, 4N1FAN, YT1RX, YT1KX, YZ1KA, YT7IM, ops)

LYØHQ 11,974,170 10466 390
(LY1DI, LY1FW, LY2BW, LY2CO, LY2DX, LY2FN, LY2FY, LY2GF, LY2PAJ, LY2TE, LY2UF, LY3BS, LY3CI, LY3DA, LY3KB, LY3NUT, LY4AA, LY4CW, ops)

OL4HQ 11,646,392 11583 386
(OL5Q, OL7N, OL7R, OL5T, OL5K, OK5W, OK1AVY, OK1MSP, OK11PI, ops)

IUØHQ 10,650,150 11844 326
(I1HJT, I1NVU, IK1QBT, I2MQP, I2PJA, IK2AHB, IK2CIO, IK2HKT, IK2RZ, IZ2FME, IV3PRK, I4AVG, I4EAT, I7ALE, I7RIZ, IK7JWY, I7/9A3A, IT9BLB, IT9CHU, IT9EQO, IT9LGV, IT9NTD, IT9VDQ, ops)

YRØHQ 10,635,660 10912 414
(YO2DFA, YO2LDC, YO3APJ, YO3BL, YO3CD, YO3CDN, YO3CTK, YO3FF, YO3FRI, YO3GDA, YO3GJC, YO3GOD, YO3HAE, YO3JF, YO3JOS, YO3ND, YO3RU, YO4AB, YO4ATW, YO4FYQ, YO4NF, YO4RDN, YO4REA, YO4REC, YO4RIU, YO4RXX, YO4SI, YO5AIR, YO5BRZ, YO5OED, YO5OEF, YO5PBF, YO5PBW, YO7ARY, YO7BGA, YO7CKP, YO7HMH,YO7LFV, YO7LGI, YO7LJJ, YO7LMU, YO7RFH, YO7VJ, YO8WW, YO9AFY, YO9BPX, YO9GZU, YO9WF, ops)

T9ØHQ 9,724,770 10757 363
(T92D, T92T, T93T, T93Y, T94D, T94DJ, T94DT, T94DU, T94FC, T94GZ, T94MZ, T94NO, T94NR, T94OL, T94QK, T94W, T94YT, T94ZZ, T95LSD, T95MEQ, T96Q, T97M, T99C, T99T, T99W, T99Z, ops)

P4ØHQ 8,765,20 8 6097 316
(P43A, P43DJ, P43E, P43JB, P43P, P43RC, P43W, P49V, K1LZ, K6ND, N3KS, ops)

HGØHQ 8,581,392 9897 368
(HA1XY, HG1ZE, HA1RS, HA1DRR, HA1ZZ, HA1XU, HA1ZN, HA4GIN, HA5GY, HA5MA, HA5MK, HA5MO, HA5WU, HA5LV, HA5LN/HG4I, HA6FQ, HA6IAB, HA6ZQ, HA6IAM, HA6VHV, HA6IGU, HA6QT, HA6OL/3, HA7MW, HA7JJS, HA7SBQ, HA7RY, HA8BE, HA8VK, HA8TP, HA8LNN, HA8ZO/HG8W, HA8UK, ops)

PA6HQ 8,284,830 7694 345
(DH5HV, DJ7EC, JK3GAD, PAØVHA, PAØLFE, PA2A, PA2R, PA3BAG, PA3EWP, PA3GCV, PA4JJ, PA4LA, PA5NIQ, PA7KG, PE1ALV, PG2M, ops).

OExXHQ 8,199,360 10157 22
(OE1EMS, OE1TKW, OE2UKL, OE2WPO, OE3MWS, OE5BJN, OE5EBO, OE5HSN, OE5NNN, OE5OHO, OE5UAL, OE6CWL, OE8CIQ, OE8KDK, OE8OLK, OE8SKQ, OE9MON, OE9PTI, ops)

LZØHQ 6,344,550 7808 345
(LZ1BP, LZ1HB, LZ1MC, LZ1RAY, LZ1UK, LZ2AF, LZ2DB, LZ2DF, LZ2JE, LZ2LDS, LZ2PL, LZ2TU, LZ2UZ, LZ3YY, LZ5QZ, ops)

SK9HQ 6,027,541 6352 299
(SMØDRD, SM2LIY, SM3DMP, SM3JLA, SM3OSM, SM3SGP, SM3WMV, SM3XIK, SM5KCO, SM5NBE, ops)

W1AW/Ø 5,995,875 7388 271
(KVØQ, WØZA, NØKV, WØCP, KTØF, NØWBV, ABØMV, AEØQ, NØNR, AAØRS, WØYG, KØRF, N2IC, WØUA, KØEU, W1XE, W7UT, KØKR, AA5B, N4VI, K7NV, WØUN, ops)

NU1AW 5,752,294 6108 298
(W2AX, K2LE, K2DO, K2SX, KS2G, N2FF, N2GA, N2UN, NY2L, N5MM, W1RM, W1VE, W2LK, ops)

EW5HQ 4,490,514 5073 314
(EU1CJ, EU1DX, EU1SA, EU3AR, EW3EW, EW6AF, EU6DX, EW6MM, EW8MW, ops)

LN2HQ 3,973,518 4483 279
(LA6FJA, LA9HW, LA6EIA, LA7WCA, LA5HE, LA5LJA, LA7EJA, ops)

8NxHQ 3,444,84 6237 210
(JG1ILF, JM1LPN, JA1BPA, JM3CRK, JI1ACI, JIØVWL, JG1VGX, JA1DYB, JH8CHX, JR1AIB, JE1CKA, JH1EAQ, JF1PJK, JH1EVE, JM1RFT, JA3HXJ, JA3HBF, JA3KLI, JA3NDM, JF3EIG, JF3PLF, JH3GXF, JH3AGV, JL3JRY, JS3CTQ, JR3MVF, JJ3WPF, JA3UJR, JM3UGA, JN3WRL, JH5JKH, JH4WBY, JH4IFF, JH4UTP, JH4VDP, JE4MHL, JN4FEU, JF4ETK, JS1PWV, JH4NMT, JAØFVU, JAØQNJ, JAØDAI, JAØUMV, JAØJHA, JHØRNN, JHØUSD, JRØBAQ, JAØKSO, JHØMXV, JFØQOR, JGØAXT, JEØGQA, ops)

VE7RAC 2,902,094 4015 211
(VE7SZ, VE7ON, VE7IN, VA7AM, VE7SV, VE7AHA, VE7AG, VE7CC, T95A, VA7NT, ops)

OH2HQ 2,436,723 3620 201
(OH1UP, OH3WW, OH5DX, OH6BG, OH6QU, ops)

B4HQ 2,031,966 2981 222
(BA4RC, BA4RD, BA4RF, BA4RX, BD4RS, BA4ED, BA7NQ, VR2KW, BA1RB, BA4TA, BA6BF, BG4AGM, BD5HAG, BD5HAT, BD5RV, ops)

PJ2HQ 1,736,595 2105 185
(PJ2BR, PJ2EP, PJ2VR, PJ2MR, PA3FLD, PJ2JW, PJ2FF, PJ2DH, PAØRPD, PB2T, PJ2BVU, PJ2MR, KY1V, W2AU, WØCG, ops)

OZ1HQ 1,653,960 2422 220
(OZØJ, OZ1ETA, OZ1HXQ, OZ1INN, OZ4ABH, OZ4AFQ, ops)

EAxURE 1,051,752 2260 156
(EA7CWA, EA1AK + ops)

OY1CT 843,959 1441 199
(OY1CT, op)

HB75A 663,572 1752 182
(HB9DUR, HB9DOS, HB9DQP, HB9BLQ, HB9FAE, HB9ODK, HB9TIH, HB9TII, HB9PHA, HB9OBP, HB9FBL, ops)

YL4HQ 460,062 1030 183
(YL2PP, YL-RS-27, YL2HA, YL2KF, YL3GCP, ops)

CX1AA 442,728 765 129
(CX7BY, CX8CP, ops)

ATxHQ 351,540 733 124
(VU2SWS, VU2UR, VU2PAI, VU2SMN, VU2NXM, VU2DSI, ops)

ZL6A 302,094 578 117
(ZL1BHQ, ZL1DD, ZL1AIH, ops)

HSØAC 229,896 603 103
(HSØZDZ, HS1CKC, ops)

YV5AJ 141,752 334 104
(YY5AFD, YV5JBI, YV5NWG ops)

4LØHQ 130,754 442 107
(4L2M, op)

VR2HK 49,840 272 70
(VR2MQ, VR2YET, VR2UNG, VR2UVV, VR2YNW, VR2XGE, VR2ZYB, VR2VVV, VR2YYD, VR2VRC, VR2XZK, VR2CIA, VR2ZST, VR2YPK, VR2UNA, VR2YTK, VR2/DH3FAN, VR2BBC, ops)

4X4ARC 43,700 200 50
(4Z5OZ, op)