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Title: Results, 1989 IARU HF World Championship
Author: Mark Burke, KA1MIS

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Results, 1989 IARU HF World Championship

By Billy Lunt, KR1R
Contest Manager

and

Mark R Burke, KA1MIS
Contest Assistant

This year's IARU HF World Championship was held during the weekend of July 8-9, 1989. Dan, W7WA, finds that "summertime propagation makes this contest quite different from spring and fall contests." Even though the IARU HF World Championship may be quite different, good propagation was reported from all continents. KO9Y found, "The signals were strong with great openings throughout the night, even on the high bands." Hein, DL2OBF, had great fun and reports, "Wow! Nearly 700 QSOs in about 17 hours! All bands were open! Wait till next year, I will make 1000 QSOs." Even with all the good reports, 10 and 15 meters surfaced as the bands that produced the largest QSO totals. Multiop-station UQØA claims, "We heard the US on 15 meters all 24 hours of the contest. There were nice pileups on 15 meters." IO4UFH conveyed, "Fantastic propagation to the US on 15 meters during the night!" WA2IUO was excited about "a great JA long-path opening on 10 meters during Sunday morning."

Contesting has the ability to draw casual operators into the main stream of the contest. Like many a casual operator, KC8WR relates, "I started out just giving other stations a few QSO points." Then the "contest bug" bit and Michael started going full bore and had a ball! His only resentments were that "if I had known the 'contest bug' would bite so hard, I would have taken a nap and operated the entire contest."

Activity increased for the 1989 contest with Box AAA receiving a total of 1477 logs. The CW-only entry category remains the most popular, with the phone-only entry category as the next favorite, followed by mixed-mode and multioperator.

Fourteen IARU member-society HQ stations submitted their logs. HG89HQ set a new record with 10 million points for first place. Second-place Y61HQ scored 8 meg followed by LZ7A with 6 meg. Thanks to all the HQ stations that participated and gave out those extra multipliers.

The entire top ten in the world mixed-mode category scored over a million points as opposed to only the top six places in 1988. Gyozo, HAØMM, tried the mixed-mode category this year and finished on top, scoring 1.9 million points. 5H3TW (K3TW,op) finished second with 1.46 meg, with OK1RI close at his heels with 1.41 meg for a respectable third place. Rich, K1CC, took top stateside honors and finished sixth worldwide, scoring 1.2 meg. Seventh-place worldwide and second-place W/VE went to veteran K3ZO, with 1.1 meg.

ZPØY (ZP5JCY,op) scored over 2 million points to take first-place in the world phone-only category. C4ØA (5B4MF,op) finished in second place scoring 1.6 meg, and RB5MT finished third with 1.4 meg. Dan, W7WA, mustered 1.2 meg to finish in first place on W/VE phone-only and fifth place worldwide. Jack, W1WEF, finished second among W/VEs and sixth worldwide with 1.0 meg.

UWØLT moved up the ladder from sixth place in 1988 to win first-place worldwide CW, scoring 1.2-million points. RL7AB racked up 1.1 meg for a strong second-place finish. Dan, K1TO, mustered 1.0 meg for third-place worldwide and first-place W/VE. Jeff, KRØY, stayed at home this year and secured fourth-place worldwide and second-place W/VE with close to 1.0 meg.

In the multioperator category, the top four scores were all from the USSR and were well over 2-million points each. Contest team, UC1OWA edged out rival RB8M for the top worldwide honors with RQ7W finishing third in the multioperator category. K6TMB moved up from sixth-place W/VE last year to finish first among W/VE multiop entries. N5AN finished second for W/VE and N8CXX third.

This summertime contest provides plenty of activity from around the world and with the 24-hour format, you still have time left over to spend with the family. If you haven't tried it, give the next one a whirl and see how you stack up against the worldwide competition. See you in the fifth IARU HF World Championship on the weekend of July 14-15, 1990.

Spyros, C40A (5B4MF,op), finished second-place world phone-only from Cyprus.

Alfredo, CU2BR, pictured with his dog, operated mixed mode from the Azores.

Sergio, IK4AUY, finished first-place phone in Italy.

Top World Scores

Mixed

Call	Score
HAØMM	1,928,690
5H3TW (K3TW,op)	1,464,672
OK1RI	1,416,012
RA9JX	1,281,852
UA1DZ	1,259,280
K1CC	1,203,210
K3ZO	1,180,155
RB5IM	1,177,405
RZ9UA	1,102,188
HA5PP	1,091,270

Phone

Call	Score
ZPØY (ZP5JCY,op)	2,001,846
C4ØA (5B4MF,op)	1,618,871
RB5MT	1,473,342
RB5FF	1,311,393
W7WA	1,252,672
W1WEF	1,058,688
EA4KK	862,240
YU3HR	811,008
RB5DX	810,968
YU2W (YT2FI,op)	772,507

CW

Call	Score
UWØLT	1,253,212
RL7AB	1,105,247
K1TO	1,093,652
KRØY	998,880
W2GD	945,496
I2VXJ	865,985
WB2Q	848,817
CR5NH (CT1BOH,op)	827,480
VS6BG	821,500
DFØRX (K5ZD,op)	807,402

Multioperator

Call	Score
UC1OWA	2,858,612
RB8M	2,774,778
RQ7W	2,537,280
UB3IWA	2,319,648
UQØA	1,806,080
UT4UXW	1,724,020
UP1BWW	1,550,855
IO4UFH	1,465,280
RL8PYL	1,438,896
RØC	1,411,580

IARU Headquarters Stations

HG89HQ (HA1s VQ, WD, YA, YU, HA3s NX, UZ, HA4s FF, XH, XT, ZD, ZZ, HA5s BNL, DW, FM, GF, IW, LN, MK, ML, OM, RY, WA, WE, YLN, HA6s ND, NF, NQ, NY, ON, OQ, PX, HA7s JAO, UG, HA8s FM, IE, JP, JV, LKE, LLK, PG, RF, HAØDU, HA8-806,ops)
10,061,280- 10457- 272

Y61HQ (Y21s TL, YK, Y23EK, Y24UK, Y25ZO, Y27FN, Y32s JK, VK, Y37XJ, Y38YK, Y42s FK, GK, LK, MK, OK, Y58WA, ops) 8,024,109- 9515- 237

LZ7A (LZ1s BV, CL, MG, MK, NE, NQ, 1A245, 1F109, 194, 313, 1E289, LZ2s AB, AO, JE, KK, MG, QV, RS, UU, VU, ops)
6,891,424- 8183- 248

CT1REP (CT1s AHU, BOP, DIZ, ops)
1,269,492- 2429- 127

4U1ITU (KU2C, op)
863,330- 1941- 130

JA3RL (JA1VYI, JA3s MAU, NDM, JG2ULB, JG3s KUT, RPL, JI3s ERV, OYM, JJ3FZS, JR4ISF, JP3LKR, ops)
751,961- 1999- 119

IR2MQP (I2MQP, op)
517,041- 1443- 87

ON4UBA (ON4XG, ON5WL, ON6JG, ops)
364,670- 1108- 102

W1AW (KJ4KB, op)
171,996- 760- 66

LG5LG (LA9VDA, op)
166,740- 634- 70

SQØDXC (SP9s ADV, BRP, JPA, ops)
100,200- 597- 60

HK3LR (HK3s BED, MLN, NTI, ops)
77,658- 381- 42

EIØRTS (EI2CL, op)
9,680- 70- 40

OK5MVT/P (OK1s DVK, FWW, ops)
1,800- 36- 12

Top W/VE Scores

Mixed

Call	Score
K1CC	1,203,210
K3ZO	1,180,155
AA4NC	903,638
K2SD	710,565
N9AG	641,684
WZ4F	629,481
KA5W	511,438
KVØI	381,988
WE7B	365,120
WA8FGV	305,600

Phone

Call	Score
W7WA	1,252,672
W1WEF	1,058,688
KA1ION	687,899
WB8JBM (NZ4K,op)	582,360
WB2K	412,335
VE3CPA	375,597
W2OW (N2HR,op)	363,092
K5XI	342,693
KA5WSS	334,044
K6SVL	331,905

CW

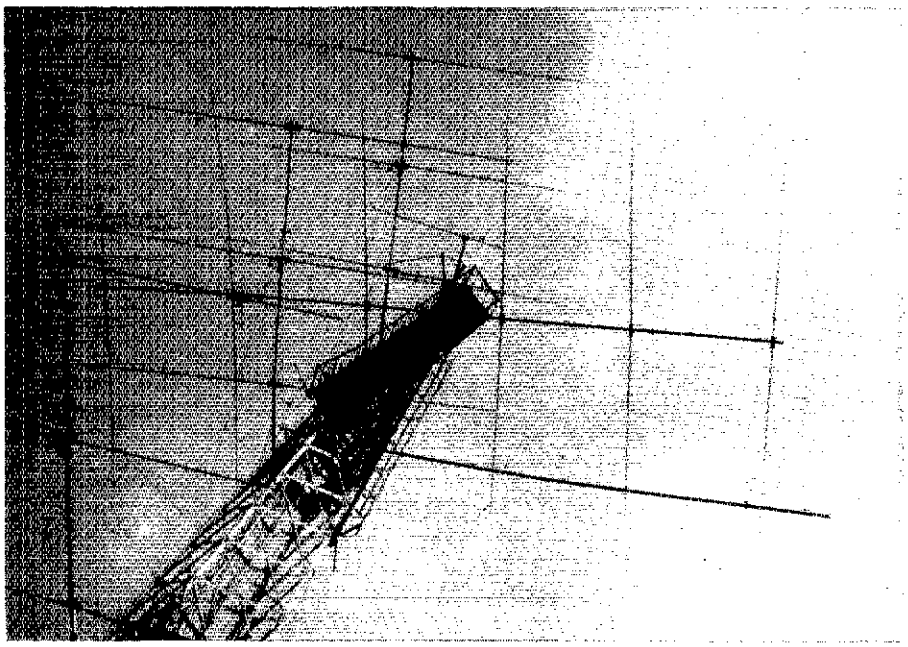
Call	Score
K1TO	1,093,652
KRØY	998,880
W2GD	945,496
WB2Q	848,817
K8CC	762,723
K6LL	687,401
KBØG	671,957
AD5O	666,115
NØBSH/9	657,340
K2SX/1	599,424

Multioperator

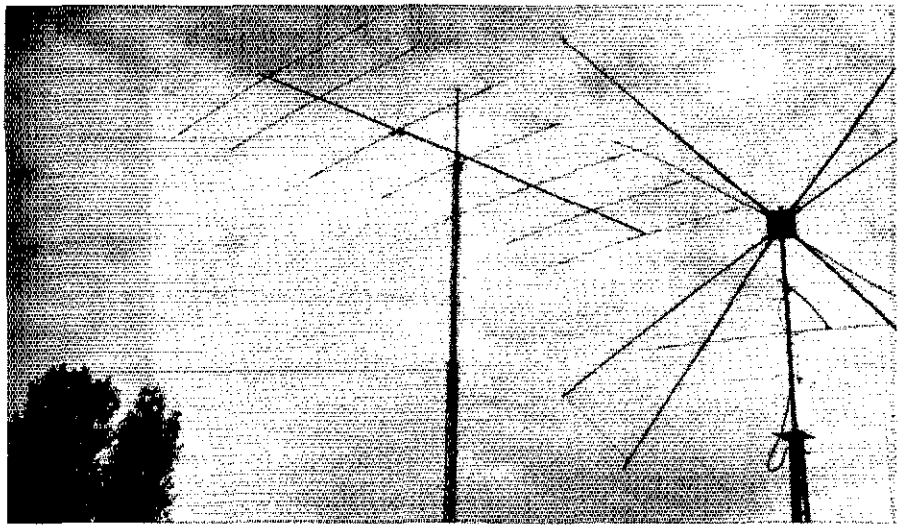
Call	Score
K6TMB	1,106,930
N5AN	834,392
N8CXX	814,212
N5EA	781,621
K2WI	643,734
NØBNG	612,846
K9SD	610,743
AB4CQ	462,996
WD8LLD	430,464
KD9ST	354,256

SOAPBOX

Great contest! This was my first try at this one. I still enjoy contesting with no gadgets, computers and etc. I hope to get more than ten hours in the contest next year (W7HS). The IARU contest seems to be popular everywhere except in the US (W7WA). Sure was a nice European opening on 15 meters! I enjoy the 24-hour format. See you with more activity next year (NØAX/7). Wow! Conditions were superb! I had a great time. Thanks to K8CC for the use of his logging program (KRØY). All my contacts were made using attic dipoles (NZ5V). I had a good time missing out on my sleep! This is the first time that I have entered a contest. The bands were not very cooperative in opening worldwide. Twenty meters was really dead to the west with no ZLs and only one VK (WØVKP). FB contest! I like the 24-hour format (WF5E). It was a lot of fun and was my first 24-hour contest. I drank lots of coffee. The only casualty was my preamp. It got zapped with RF around 2 AM. See you next year (KA1J). Good contest! I was glad that I stayed home for the weekend (W1WEF). Good conditions and interesting DX! I wish that I had more time to operate in the contest. Wait till next year (KB1BE). I thought that I was in the Everglades. There were so many "alligators" about! (KT2D). Good activity, beautiful weather, tough choice, I went 50/50 outside and on the air (K3WW). Thanks for sponsoring the contest. I would like to see it moved to lower QRN months (K4PQL). Incredible conditions to Japan from central Florida all night! Thanks to the JAs for standing by during checks for other parts of the world (AB4CQ). This was my first CW contest in 10 years. I had a great time! I missed some operating time due to a receiver failure. Murphy was born in my house! (WI8W). It was basically a three-band contest here. I have no antennas for 160, 80 and 10 meters. I didn't miss them; 15 meters was open for all 24 hours. Enjoyed it! (N9AG). Last year, we went 57 days without rain. Guess which weekend the drought broke. I was off the air for four hours with thunderstorms! Had a great time anyway (KO9Q). Excellent contest but what happened to 10 meters? Why did I fall asleep two hours before the end? (XE1THR). Conditions were not good. Fifteen meters was the best band. There was a great deal of aurora activity to the north (LA5QFA). Ten meters: poor conditions; fifteen meters: excellent conditions; twenty meters: in-between (LA2AD). I couldn't believe the pileups on 15 meters! Super conditions and great fun! (OH6NIO). A national ham meeting and no beam for 20 meters resulted in limited operating time in the contest. Super propagation helped me to make nearly 1400 QSOs in about 12 hours! (OH1AF). Thanks for FB contest. GL and 73 (OH7NW). Thanks for the nice test (OH3OJ). I worked eight new prefixes! (OZ7AX). GL! DX! 73! (UA1OAM). Very enjoyable as it was my first contest. I wasn't able to operate all the time as a new baby daughter played havoc with the household that evening (EI6GP). What an excellent contest! CW operation was down a bit due to the chief CW operator twisting his ankle while chasing a wild goat away from the mast guy ropes at four in the morning! Luckily he can send with the other foot but not as fast! See you next year (EJ1D). I was only able to operate for half of the contest. I found 21 and 28 MHz quiet (GM4ZFE). No activity on the low bands! See you next year (ON6AH). A good contest, but a great deal of QRN (PAØIJM). Nice contest as usual (PA3EOB). The contest was fun. I did well for my poor rig and antenna. See you next year (DF1LX). This was my first time in this contest. It was very interesting (DF8WS). Good conditions with much QRM, but it was one of the best contests (DL8PC). It was great fun working in the contest. I would have loved to be QRV for 24 hours, but I had to work the weekend (HB9CSA). It was fun (HB9CVO). Thanks for the interesting contest. I hope for a better score next year (IK5IIU). Wonderful conditions, but a local thunderstorm didn't allow a good job on the low bands (I2VXJ). During the night, the propagation was beau-



A view of some of the antennas used by HQ-station HG89HQ.



Gyozo, HAØMM, finished first-place world mixed mode using these antennas.

tiful to the US (IN3ZNR). Next time, I will have a better 15-meter antenna. It was practically a single-band contest, and 15 meters is my worst band (OK1RI). We had bad conditions and thunderstorms (SP9MRO). This was my first IARU contest. It was fun. I hope to do better next time (YO5BQ). Very good contest! (YO2DFA). Extremely bad propagation! (RV6AF). Thanks for the nice contest (UA4LU). Thanks for FB contest (UA6LQ). Many thanks for the nice contest! It was my first championship (UA3RMN). Thanks for contest (UA3YAO). FB contest! (RV1AF). Sincere thanks for the fine contest. I hope to enter again next year (UA6EED). Thanks for the nice contest (UZ4CYJ). Thanks for the contest. The conditions were very good (RB5MT). This was my first time in the IARU championship. It is a very dynamic contest (RC2AZ). Great contest! Does anybody need zone 29? (UC2AB). Very FB conditions in Northern Europe (UQ2GD). Thanks for the nice contest QSOs (UQ2PP). FB contest (UR2RND). Thanks for the good contest (UA9CBO). I did not have good conditions! Hope they are better next year (UW9CP). Cheerio! (RI8BN). Thanks for the very nice contest (UL7MU). The conditions were very poor for this important contest especially on 28 and 14 MHz (CT1BWW). Nice contest (EA7AAW). Very, very tired! (JI1UTP/1). Good conditions for 10 meters! (JA1AAT). This is my first time in the contest (JR1TFR). The conditions and activity were not very good on 10 meters (JE1CKA). I was amazed when K3ZO called me on 28 MHz at 0749Z! Great conditions on all bands including many long-path openings (5H3TW). This was my first time in the contest. See you next year (VK8XX). There seemed to be plenty of activity, just a pity some stations don't spend a little more time listening between their CQs! Good to see 10 meters coming to life (ZM2AGY). Thanks for the FB contest! Greetings from FJL (UAØBEZ/UA1O). Thanks for the nice contest. 73 from FJL (UA1OT).

Scores

Scores are listed by ITU zone and then by country within that zone. The line score indicates the call sign, final score, QSOs, multipliers and entry class. The entry class letters indicate: A = single operator, mixed mode; B = single operator, phone only; C = single operator, CW only; D = multioperator, single transmitter.

Zone 1

Alaska

NL7DU	200,664	701	72	B

Zone 2

Alberta

VE6DZ	34,055	169	49	A
VE6BF	113,967	409	87	C

British Columbia

VE7EEE (VE7EBI,op)	162,720	926	48	B

Zone 4

Quebec

VE2WAT	7,140	63	30	C

Ontario

VE3CPA	375,597	1093	81	B
VE3BXY	51,435	277	45	B
VE3TJL	2,324	44	14	B
VE3KP	341,140	1038	74	C

Zone 6

W6

East Bay

N6EK	240,240	806	91	C
K6TMB (+K3EST,JA7RHJ)	1,108,930	1766	145	D

Los Angeles

N6IBP	25,312	110	56	A
K6SVL	331,905	933	87	B
KI6BN	92,352	322	78	B
AI6Z	83,160	295	72	C

Orange

NX6M	26,132	171	47	A
WB6DFA	43,650	213	50	B
WAØYRX	360	28	6	B
K6MJ	36,720	148	54	C

Santa Barbara

WA6FGV	305,600	1021	80	A

Santa Clara Valley

N6IP	86,265	281	71	A
WA6GFY (KJ6PJ,op)	45,448	211	64	B
WA6HRK	8,450	100	25	B
KA6INQ	738	28	9	B
N6TV	419,453	965	101	C
WD6ERA	257,655	701	89	C

San Diego

KI6ZH	196,350	462	105	B
W6UQF	322,300	759	100	C
K6ZH	39,180	150	60	C

San Francisco

WB6SRM	49,619	227	59	A
WA6LLY/6	41,028	175	52	A
KI6OT	28,665	145	49	B
WW6D	11,948	100	29	C
K6LRN (+NET)	14,208	88	37	D

San Joaquin Valley

WW6O	120,714	481	62	B
KD6FW (+KB6EEK)	111,186	584	62	D

Sacramento Valley

N6WR	52,305	253	55	B
WA6AUE	298,980	742	90	C

W7

Arizona

K6LL	667,401	1319	121	C

Montana

KS7T	68,420	307	52	A
KW7I	12,630	97	30	B

Nevada

NC7K	90,712	380	58	A
WB7VVH	1,485	31	11	B

Oregon

WA7OEM	115,620	379	82	A
W7TWL	39,500	204	50	A
KA7FEF	5,590	59	26	A
WR7E	45,297	218	63	B
KB7CXI	34,800	204	50	B
WA7IIM	15,810	112	31	B
W7YAQ	329,725	629	121	C
AD7T	45,954	135	74	C

Utah

WE7B	365,120	1176	80	A
W7HS	59,840	190	68	A

Western Washington

NX7K	170,872	611	62	A
K7LXC	42,330	204	51	A
W7WA	1,252,872	1999	148	B
K7LED (WA7UVJ,op)	78,147	323	57	C
NØAX/7	40,119	195	43	C
W7QN	23,001	150	33	C

Wyoming

KB7M	2,964	36	19	B

Zone 7

W5

Arkansas

WA5VBE	46,255	229	55	A
KC5TA	128,370	457	68	B
AA5CH	63,394	289	58	B
AA5CV	10,360	70	37	B
KB5EHR	2,028	55	12	B
KM5G	305,604	891	78	C
NS5C	44,886	260	49	C
W5EIJ	21,462	110	49	C

Louisiana

K2SD	710,585	1377	127	A
KG5VK	161,536	714	54	B
WA5KNC	8,888	101	28	C
N5AN (+W5WMU)	834,392	1790	113	D

New Mexico

AA5JF	89,856	345	72	A

North Texas

KA5W	511,438	1068	113	A
KD5GD	57,702	218	59	B
WBØNSA	57,014	261	58	B
KB5IQV	8,408	256	9	B
KRØY	998,880	1473	160	C
KO9Y/5	338,028	804	102	C
W5UDA	169,572	512	78	C
NJ1V (+WA4KBJ,N5s MTS,OOP)	183,371	682	71	D

Oklahoma

KF5DA	62,748	335	54	A
N5JKN	152,366	545	74	B
NW5H	22,536	232	24	B
N5KXI	2,737	43	17	B

South Texas

NZ5V	43,017	309	39	A
K5XI	342,893	904	101	B
KA5WSS	334,044	868	108	B
KB5HOE	68,456	388	52	B
WØVKP	42,600	222	50	B
AD5O	868,115	1225	127	C
KG5U	478,170	1068	105	C
W5NR	21,294	115	42	C
N5EA (+K5RVK, W5ASP,WØSBIR, GWØECO)	781,821	1634	113	D

West Texas

WF5E	215,138	774	77	B

W8

Colorado

WØGQQ	51,408	235	54	B
WBØZ	34,936	208	44	B
WØBWJ	1,309	33	11	B
AC8S	283,080	802	84	C
ADØO (+NØs DV,ST,WDØGVH)	272,599	735	101	D

Iowa

WØPPF	31,046	205	38	B

Kansas

WBØYJT	45,325	226	49	B
KBØG	671,957	1250	127	C
NØFMR	30,033	180	47	C

Minnesota

WØRXL	22,386	132	42	A
NØHUQ	10,410	89	30	B
NØHBS	5,834	63	22	B
NØBNG (+KØET,KAØs JZV,YFN,KSØT, NØEOB,WJØL)	612,846	1480	97	D
NØILS (+NØIOS)	79,820	320	65	D

Missouri

NSØB	24,840	120	54	A
WBØGFV	1,788	40	12	B
KA1J	130,451	457	73	C
NIØC	30,192	132	51	C

Nebraska

KVØI	381,988	1076	89	A
WBØSYV	30,969	257	37	C
KØSW	14,469	83	39	C

South Dakota

WDØBMR	55,347	221	57	B

Zone 8

W1

Connecticut

K1CC	1,203,210	1910	145	A
K1SSN (WB7EZO,op)	151,620	541	78	A
NF9K	98,624	402	67	A
W1WEF	1,058,688	1823	126	B
KA1ION	687,899	1454	109	B
KC8PE	176,700	603	76	B
KB1BE	6,669	55	27	B
K1TO	1,093,652	1762	139	C
K2SX/1	599,424	1256	112	C
NG1J	5,610	57	22	C
NJ2L	4,095	48	21	C

Eastern Massachusetts

WB2DND	100,492	296	74	A
WA1NPZ	63,300	307	68	B
WA1OEZ	53,800	242	50	B
W1/CE2FYX	4,152	244	24	B
W1AX	19,890	129	34	C
K1UCA	4,452	48	24	C

Maine

KN1M	230,289	631	87	A
AJ1T	16,632	122	38	A
K1SA (+KA1PRD,KQ1V,KY1K,N1s AFC, FHS,KD2EU)	49,448	223	58	D

Rhode Island

K1PLX	228,570	590	95	B

Vermont

WB1GQR (NW1N,WB2JSJ,W3LPR, KA1CSB,ops)	94,024	411	58	D

Western Massachusetts

KG1S	1,056	34	11	

W2

Eastern New York

KE2GL	53,290	53		
KC2QF	186,720	802		
N2FTR	944	30		
WB2Q	848,817	1705	11	
N1CC	38,720	283	3	
W2QYA	1,104	22	1	

NYC—Long Island

KD2TT	104,432	450	6	
WB2AMU	30,385	153	5	
KS2G	20,090	150	3	
W2GKZ	43,725	178	5	

Northern New Jersey

KT2D	25,152	136	4	
WB2K	412,335	887	11	
W1GD	314,478	677	11	
K2FNW	127,194	365	6	
W2GD	945,498	1529	14	
W2HCA	35,904	153	6	
WA2ASQ	31,581	234	2	
KE2CG (+KB2s FY8,GQS,KO2K, N2JLW,WA2E,KB4CYC)	341,711	949	8	

Southern New Jersey

K2PS	22,800	105	4	
KB2BF	208,215	709	6	
KC2TA	6,282	115	1	
W5KI	552	16	1	
K2WI (+N2NU,WA2IUO)	843,734	1201	12	

Western New York

KB2DE	97,308	331	6	
NA2Q	8,283	63	3	
W2OW (N2HR,op)	363,092	961	6	
KW2J	146,522	549	8	
W2TZ	57,929	271	9	
W2FUI	10,452	90	2	
KB4VL (+KB2GIR)	32,948	190	5	

W3

Eastern Pennsylvania

KB3TS	82,541	311	5	
W3BGN	81,640	413	5	
K3ZPG	22,085	137	3	
WA3YTI	13,101	95	3	
KA1CLH	6,300	78	2	
NM2Y	432,060	1002	9	
K3IPK	413,777	1050	9	
KL7HIR/3	42,300	242	5	
N3GAN	29,785	231	3	
N3CZB	57	9		
K3WW (+NET)	347,805	829	9	

yland-DC

D	1,180,155-	1885-	145- A
D	93,890-	311-	82- B
KX	36,195-	178-	57- B
B	18,009-	157-	27- B

stern Pennsylvania

HIE	261,261-	633-	99- C
A	133,704-	459-	72- C

bama

F	629,481-	1497-	107- A
NQ	65,846-	314-	58- C
XM	11,253-	87-	31- C

orgia

LX	22,704-	134-	43- A
GC	52,155-	395-	61- B
YYQ	11,840-	84-	37- C

ntucky

QMQ	69,840-	336-	60- A
WQO	*44,558-*	*218-*	*47- B*
M	206,890-	611-	85- C

th Carolina

NC	903,638-	1673-	131- A
RVS	105,124-	347-	82- B
TI	67,600-	260-	65- B
IMI	7,854-	90-	21- B
WAU	7,300-	82-	25- B
OL	169,176-	510-	84- C
ISM	44,688-	268-	49- C
IOH	18,658-	143-	38- C

thern Florida

CSD	68,325-	262-	75- A
DIW	66,674-	263-	74- A
NKA	95,220-	405-	69- B
E	421,170-	1078-	101- C

CQ (+KW4T)
482,996- 1434- 81- D

th Carolina

BHM	17,612-	144-	37- B
AMV	4,608-	122-	12- C

thern Florida

J	106,476-	540-	57- A
HW	307,154-	1251-	59- B
F	28,215-	157-	45- B
AHZ	243,426-	726-	67- C
N	3,497-	59-	13- C

nessee

X	58,355-	329-	55- B
DO	255,256-	754-	65- C
R	73,536-	347-	48- C

ginia

M	127,571-	374-	83- B
MS	*2,032-*	*35-*	*16- B*
PF	58,980-	270-	55- C
E	20,596-	118-	38- C
TM	7,824-	76-	24- C

9B (+KB4WZR,WA4s OAE,ZBF)
64,476- 299- 54- D

ssissippi

ECK	4,786-	102-	18- B

chigan

C	762,723-	1493-	117- C
W	62,593-	283-	53- C
WE	14,110-	109-	34- C
V	3,703-	43-	23- C

XX (K8s BTH,JM,N8BTU,NE8T,ops)
814,212- 1502- 126- D

lo

G	641,684-	1300-	118- A
R	40,545-	211-	45- A
XT	26,838-	171-	54- A
li	5,192-	73-	22- A

8JBM (NZ4K,op)
582,360- 1024- 138- B

ZNZ	174,710-	325-	62- B
WR	26,832-	234-	26- B
8Q	20,387-	156-	37- B
9FTZ	6,233-	71-	23- B
F	37,576-	158-	56- C

8LLD (+WD8AUB)
430,464- 1060- 96- D

st Virginia

QL	84,402-	250-	81- A
8BMX	13,920-	105-	32- B
VEN	8,900-	84-	25- B

LR (+KC4LAC,WB8YZV)
115,656- 568- 61- D

nois

I	83,300-	340-	70- A
9DGE	61,773-	333-	59- A
LYA	18,962-	133-	38- B
9CRY	870-	29-	10- B
9J	270,366-	920-	66- C

K9MMS 117,650- 424- 65- C
K8SD (KC8AL,W8NNE,WB8SBO,K8FU, KA8GGI,KW8A,ND8F,W8HBH,ops)
610,743- 1099- 127- D
KD9ST (+KA9s SQR,SQS,SQT)
354,256- 921- 112- D
KA9YMV (+KA9YMW)
49,896- 250- 54- D

Indiana

KB8C	227,388-	699-	84- B

Wisconsin

KO9Q	79,928-	292-	77- A
K9OSH	29,798-	158-	47- A
KB9RX	14,313-	101-	39- B
WD9EGC	3,564-	270-	9- B
N8BSH/9	657,340-	1328-	115- C
W9HE	50,820-	203-	60- C

Zone 9

VE

Maritime-Newfoundland

VO2AC	33,000-	218-	25- A
VE1CBF	45,000-	210-	50- B
K4JHT/VO2	14,476-	125-	28- B
VO1AW	38,873-	169-	51- C

Zone 10

Mexico

XE1THR	*32,062-*	*204-*	*41- B*
XE1/K1ZZ	5,130-	108-	15- C

Zone 11

Dominican Republic

JP1DMX/HI8	415,860-	1212-	87- C
HI9UD (HI3s AMF,JMP,LFE,LRR,ops)			
	20,040-	501-	40- D

Dominica

J79T (WSEW,WC5N,ops)
481,137- 1757- 69- D

Guantanamo Bay

KG4UN (K8UNP,op)
476,064- 1469- 67- B

Puerto Rico

KP4DQ	28,509-	157-	39- B

St Maarten, Saba, St Eustatius

PJ7/K2KTT	43,838-	243-	52- B

Costa Rica

TE5T	61,460-	702-	35- C

Cayman Islands

ZF2AH (+ZF2KN)
339,860- 1050- 74- D

Zone 12

Ecuador

HC1OT	619,256-	1421-	88- B

Colombia

HK3JJH	699,335-	1505-	91- B
HK3NTI	4,384-	58-	18- B

Peru

OA4ZV	119,629-	413-	59- C

Venezuela

4M3B (YV3BKC,op)
26,652- 141- 38- B

YV5LAS	18,207-	179-	21- B
YV7QP	67,320-	264-	51- C

Zone 14

Chile

CE3BFZ	7,222-	66-	23- A

Argentina

LV3F (LU6FAZ,op)
336,087- 859- 107- B

LU9F	31,680-	270-	24- B
LU1EWL	23,712-	132-	36- C

Paraguay

ZP9Y (ZP5JCY,op)
2,001,846- 2650- 154- B

Zone 15

Brazil

PP5JD	573,975-	1542-	75- B
PP2YY	28,098-	314-	18- C

Zone 16

Argentina

LU2WM	15,552-	118-	27- C

Zone 18

Svalbard

UA8HZ/JW	413,259-	1421-	67- C

Norway

LA5QFA	191,962-	560-	82- B
LA1XDA	69,840-	409-	45- B
LA8DY	*67,156-*	*204-*	*77- B*
LA2AD	15,855-	13-	35- B
LA6ZFA	410-	11-	10- B
LA6FC	138,338-	368-	93- C
LA9HFA	91,336-	437-	56- C
LA9DBA	19,684-	332-	19- C

Finland

OH6NIO	715,680-	1625-	105- A
OH1AF	551,900-	1352-	100- A
OH8NEV	131,600-	449-	79- A
OH7NW	29,598-	168-	48- A
OH3OJ	90,060-	642-	38- B
OH2PM	768,430-	1503-	130- C
OH2YL	*7,119-*	*75-*	*21- C*

Aland Island

OH9/OZ1JVN 108,518- 546- 58- C

Denmark

OZ1CTK	122,724-	372-	84- A
OZ5EV	*135,924-*	*349-*	*94- B*
OZ1LTB	113,520-	618-	40- B
OZ2ACL	100,023-	349-	77- B
OZ7AX	12,840-	104-	30- B
OZ1FAO/A	594-	18-	9- C

Sweden

SM4BTF	25,071-	172-	61- B
SM7HSP	9,022-	158-	26- B
SM8CCE	95,915-	408-	62- C
SM8/W8FA	91,377-	355-	71- C
SM5RE	44,480-	288-	64- C
SM7LAZ/6	15,666-	160-	42- C
SM4SWF	13,940-	175-	34- C
SM8BDS	10,200-	76-	34- C
SM8CGO	7,080-	67-	24- C
SM8NUE	6,021-	47-	27- C
SM4CJY	1,628-	32-	11- C

Zone 19

European Russian RSFSR

RA1DZ	1,259,280-	1970-	165- A
RA1AA	284,915-	721-	105- B
UA1ZGH	254,095-	727-	89- B
UA1NDI	65,600-	374-	50- B
U1BA	19,561-	190-	31- B
UA1OKR	107,212-	538-	49- C
UA1OLL	87,672-	314-	78- C
UA1ZFT	63,745-	286-	61- C
UA1NDR	42,674-	345-	36- C
UA1OAM	38,640-	280-	40- C
UA1ZGT	34,938-	293-	31- C
UZ1AWO (RV1AW,op)			
	9,926-	221-	14- C
4L1NV (RA1NA,UA4s HVV,UBC,ops)			
	483,809-	1389-	103- D
UZ1ZWO (UA1s ZGM,ZHL,ops)			
	127,140-	525-	65- D
UZ1NWF (UN1-088s 24,65,302,ops)			
	78,903-	675-	33- D

Zone 20

Asiatic RSFSR

UA9XFJ	50,970-	362-	30- A
UA9XR	*602,655-*	*1281-*	*113- C*
UV9CC	203,915-	519-	85- C
UA9KCC	111,700-	275-	50- C
UA9XHT	88,556-	385-	52- C
UA9CAQ	37,620-	251-	27- C

Zone 21

Asiatic RSFSR

RA9JX	1,281,852-	2064-	132- A
UA9LU	316,498-	811-	91- C

Zone 23

Asiatic RSFSR

UA9QBR	326,374-	677-	106- C
UA9QGQ	366-	15-	6- C
UZ9QXU (UA9QEZ,UA9-98s 206, 210,220,221,ops)			
	157,040-	862-	40- D
UZ9QWE (UA8s QAA,QJ,-098-107,ops)			
	95,506-	444-	53- D

Zone 24

Asiatic RSFSR

UA8QO	292,347-	704-	99- A
UA8QGY	65,184-	339-	48- B
UA8ICM	9,360-	107-	20- B

Zone 26

Asiatic RSFSR

UA8KCL	18,146-	101-	43- C
UA8KG	10,912-	120-	22- C
UZ8KWT (U8KH,UA8KCC,ops)			
	143,520-	636-	48- D

Zone 27

Ireland

EI8GP	122,496-	492-	64- B
EJ1D (EI2s CA,GB,EI5DI,EI6EW,EI7s CC,CD,EI8CC,EI9COB,ops)			
	982,017-	2147-	111- D

France

F8S/FE1JDG	38,184-	306-	51- A
F8S/F1LBL	271,062-	894-	99- B
F8S/F6BVB	200,777-	585-	83- B
F8WG	91,960-	388-	62- B
FE6DRP	19,035-	191-	27- B
F9DK	27,960-	177-	40- C
FF1CJX (FD1s MFL,MLJ,MNC,ops)			
	95,884-	509-	46- D
F5WA (F1JVP,F6DKV,F6ENO,ops)			
	59,245-	361-	41- D

England

G8/AA6MC	84,616-	347-	56- A
G3ESF	182,942-	504-	97- C
G3TXF	72,984-	266-	58- C

Scotland

GM4OBK	20,200-	106-	50- A
GM3CFS	127,764-	398-	84- C
GM4ZFE/P	42,416-	301-	44- C

Wales

GW8GT (GW4JBQ,GW5NF,GW8ZUQ, GW8UCQ,ops)
359,840- 1119- 80- D

Belgium

ON8WN	1,287-	21-	13- A
ON4ALL	49,210-	309-	37- B
ON5CZ	13,824-	110-	36- B
ON5KI	7,000-	68-	25- B
ON5MT	*2,085-*	*38-*	*15- C*
ON6AH (+ON5IQ,ON6s MH,VL,ON7PC)			
	468,700-	1215-	100- D

Netherlands

PA8/JM	21,312-	165-	37- A
PA3EOB	8,684-	104-	26- A
PA8/LOU	*30,848-*	*240-*	*32- C*
PA8/JV	12,120-	108-	30- C
PA3BTH	6,275-	66-	25- C
PA3DKX	3,190-	35-	22- C
PI4DEC (PA3s ATA,AWW,CZW,PA8/BOE, PA/G4YSD,PA/JL1EEE,ops)			
	522,200-	1311-	100- D
PA3EQV (+PA3s DZN,ENM)			
	406,116-	967-	116- D
PA8/KHS (+PA3ENJ,PE1LBX)			
	106,524-	430-	66- D

Zone 28

Federal Republic of Germany

DF1LX	287,988-	758-	103- A
DK8KC	65,624-	240-	75- A
DF8AN	10,608-	72-	51- A
DF8WS	638,318-	1429-	102- B
DL8PC	410,832-	862-	108- B
DL5YCQ	73,901-	293-	67- B
DL2BAY	40,064-	322-	32- B
DJ4FU	26,406-	143-	54- B
DL8SCP	8,118-	95-	22- B
DF9RX (K5ZD,op)			
	807,402-	1384-	159- C
DL2OBF	185,268-	646-	92- C
DK3GI	149,952-	424-	88- C
DL7RAG	91,770-	221-	105- C
DF3QN	16,644-	130-	38- C
DL1ZQ	12,390-	111-	30- C
DL4GBR	6,141-	76-	23- C
DL5ZBA	1,130-	29-	10- C
DF8SSB (DK8ZB,DL6FBL,ops)			
	1,129,408-	2296-	118- D

Hungary

HA8MM	1,928,690-	2636-	190- A
HA5PP	1,091,270-	1959-	145- A
HA5HH	219,414-	706-	87- A
HA1SL	103,812-	356-	82- A
HA3HU	53,340-	451-	35- A
HA8XX	313,992-	803-	98- B
HA1XR	632,125-	1409-	125- C
HA8OI	436,988-	1086-	107- C
HA8NL	362,176-	1026-	114- C
HA7UI	324,384-	908-	109- C
HA5LZ	237,639-	566-	113- C
HA8NW	134,261-	547-	71- C
HA8AM	96,876-	352-	81- C
HA7ML	73,224-	309-	72- C
HA6VA	55,407-	229-	69- C
HA7JB	42,399-	177-	63- C
HA3GJ	2,970-	41-	18- C
HA3KZ	*675-*	*75-*	*9- C*

Switzerland

HB9CSA	71,583-	268-	79- A
HB9DX	34,375-	185-	55- C
HB9DFY	31,005-	153-	45- C
HB9CVO	30,038-	157-	51- C
HB9AYZ	*2,587-*	*69-*	*13- C*

Italy

I8KHP	91,581-	307-	89- A
IK2JEX	69,704-	258-	76- A
IK2GPQ	26,544-	172-	48- A
IK4AUY	373,062-	892-	97- B
IK1NDB	*105,562-*	*327-*	*94- B*
IK8OWN	94,700-	544-	50- B
I8KHY	63,862-	281-	74- B
IK5IIU	34,784-	318-	32- B
IK4FNF	24,700-	138-	50- B
I4CSP	21,788-	120-	52- B
IK2IKW	4,530-	52-	30- B
I2VXJ	865,985-	1489-	155- C

IK8FWI 187,740- 633- 84- C
IK8ADY 14,364- 124- 36- C
IK8FUX 9,261- 101- 27- C
IO4UFH (+I4JMY)
1,465,280- 2108- 160- D
IN3ZNR (+IN3s QBR,SAU)
281,063- 877- 80- D

Sardinia

IS8JOO	49,533-	367-	33- B
IS8OMH	*49,444-*	*454-*	*47- C*

Bulgaria

LZ2KSQ	978,592-	1773-	143- A
LZ1RN	6,360-	149-	20- A
LZ1TA	283,494-	834-	111- C
LZ1LG	43,668-	47-	28- C
LZ1MC	38,896-	216-	44- C
LZ1MG	37,843-	358-	41- C
LZ1EP	3,570-	45-	35- C
LZ1KVF (LZ1Cs 75,84,187,ops)			
	124,550-	406-	94- D
LZ1KAU (LZ1s TR,VB,ops)			
	78,658-	348-	67- D

Austria

OE1BKW	15,004-	93-	44- B
OE9SLH	21,800-	114-	50- C

Czechoslovakia

OK1RI	1,416,012-	2121-	159- A
OK2RU	429,133-	996-	127- A
OK3EA	190,232-	620-	79- A
OK2KR	*96,712-*	*280-*	*68- A*
OK1KZ	79,084-	332-	71- A
OK3CDZ	72,261-	357-	63- A
OK2PGT	44,517-	223-	57- A
OK1FGS	5,880-	59-	24- A
OK2KVI/P	1,562-	34-	11- A
OK1DQW	216,000-	824-	100- B
OK1FUA	*75,406-*	*334-*	*74- B*
OK2BQL	64,881-	223-	81- B
OK1DKS	32,886-	177-	54- B
OK1BB	19,740-	149-	35- B
OK3CQG	3,435-	83-	15- B
OK2PCF	204,525-	597-	101- C
OK2PDT	195,994-	584-	86- C
OK3YCA	*169,818-*	*486-*	*93- C*
OK3GB	155,420-	407-	95- C
OK1MNV	111,300-	367-	75- C
OK3CEL	93,104-	272-	92- C
OK1TW	90,060-	277-	79- C
OK1FKW	75,144-	312-	62- C
OK3FON	72,917-	233-	79- C
OK3CVF	*70,569-*	*352-*	*58- C*
OK2HI	40,544-	196-	56- C
OK3CWF	32,054-	227-	47- C
OK2BBQ	26,874-	243-	39- C
OK2BND	25,172-	250-	29- C
OK3CTX	22,280-	149-	40- C
OK3CAB	18,784-	175-	32- C
OK1MZO	17,945-	119-	37- C
OK1JDJ	12,903-	104-	33- C
OK1AXA	*12,575-*	*116-*	*25- C*
OK1DWU	10,800-	114-	27- C
OK3CDN	9,555-	120-	29- C
OK3YDP	7,518-	108-	21- C
OK1DFT	3,840-	54-	16- C
OK3TNA	2,233-	93-	11- C
OK1DWJ	1,088-	55-	9- C
OK2BXR	1,089-	83-	9- C
OK8AEW/P (Y24OL,op)			
	850-	54-	10- C
OK1CZ/M	370-	24-	5- C
OL7BTG	345-	34-	5- C
OK2PBG	296-	15-	8- C
OK2PXJ	85-	5-	5- C
OK1KSO (OK1s CF,JJB,WT,ops)			
	1,339,681-	1984-	161- D
OK3KAG (+ops)			
	570,675-	1621-	141- D
OK1KQJ (OK1s AYP,BY,DLE,DXS, VKX,ops)	806,911-	1548-	133- D
OK3RKA (+ops)			
	712,790-	1352-	130- D
OK1KLV (OK1s ADT,AGA,DVZ,FDT,ops)			
	312,480-	886-	105- D
OK1OFM (+ops)			
	249,534-	687-	107- D
OK2KDS (+ops)			
	188,584-	604-	88- D
OK2KMR (+ops)			
	118,990-	471-	79- D
OK1KYY (+ops)			
	100,575-	404-	75- D
OK3KGQ (+ops)			
	82,187-	430-	61- D
OK3KWW/P (+ops)			
	74,970-	417-	51- D
OK1OAW/P (+ops)			
	74,400-	378-	62- D
OK3KXM (+ops)	7,344-	76-	24- D
OK1KZD (+ops)	550-	23-	10- D

Poland

SP2NA	199,998-	415-	123- A
SP9RIA	67,020-	284-	60- A
SP8LZC	2,360-	127-	10- A
SP5MXZ	198,436-	667-	76- B
SP1DTG	169,840-	514-	88- B
SP6DVP	137,826-	408-	93- B
SP9MRO	100,152-	450-	72- B
SP4CJA	20,295-	175-	33- B
SP8HPW	16,850-	117-	41- B
SP9DGO	76-	5-	4- B

SP8NR	181,396	498	101	C
SP9BBH	132,314	359	91	C
SP1AEN	90,506	424	59	C
SP6EIY	85,431	294	58	C
SP4GFG	59,148	302	82	C
SP8CJO	42,924	354	42	C
SP3LPR	920	28	10	C
SP3PLD (SP3s IBM,NYS,SBB,ops)	284,834	787	107	D
SP1PBW (SP1s AMU,BZZ,ops)	223,890	589	102	D

German Democratic Republic

Y21RM/A	834,240	1402	158	A
Y35VM	413,187	880	129	A
Y34SG	393,471	815	118	A
Y21VF/A	343,090	959	110	A
Y25TO	330,210	721	135	A
Y22EK	284,592	677	112	A
Y48HL	271,953	758	99	A
Y31WI	190,992	692	92	A
Y32WF	189,274	551	101	A
Y32PI/P	151,296	512	96	A
Y21WI	114,390	431	82	A
Y44NO	113,442	547	74	A
Y22IH	103,968	410	76	A
Y52OH	98,358	463	67	A
Y36UE	96,264	622	42	A
Y31SJ	77,482	298	77	A
Y25PE	74,814	306	74	A
Y22WK	73,125	438	65	A
Y42VN/P	68,180	319	70	A
Y55TD	67,536	335	63	A
Y21XI/P	63,180	309	65	A
Y48YN	57,980	284	65	A
Y22BC/P	44,287	190	67	A
Y62SM	42,592	298	32	A
Y25FI	39,435	300	55	A
Y21NE/A	37,732	325	33	A
Y42ZG	36,920	270	35	A
Y61ZA	33,318	206	54	A
Y27BG/A	28,461	172	53	A
Y36ZM	27,931	133	53	A
Y67UL	27,600	167	48	A
Y48RF	27,120	136	48	A
Y64XH	22,545	155	45	A
Y22LE	22,084	202	28	A
Y25IJ/A	20,988	106	53	A
Y63ZA	19,188	125	39	A
Y26WM	12,740	125	28	A
Y38YE	10,062	99	28	A
Y42ZH	10,052	88	28	A
Y65KM	9,801	99	33	A
Y47PM	8,954	109	22	A
Y22HF	7,320	66	30	A
Y44WA/P	3,876	90	17	A
Y51OG	3,726	84	23	A
Y22WH	2,992	99	14	A
Y62RM	2,835	39	15	A
Y32EE	2,304	42	16	A
Y24XH	1,911	39	13	A
Y25TM	1,887	33	17	A
Y28DM	1,862	33	14	A
Y71ZA/P	1,550	100	10	A
Y49ZD	1,456	31	16	A
Y25MO/P	1,290	58	15	A
Y24HB	896	26	14	A
Y26RL	594	26	9	A
Y36SG	140	7	4	A
Y22VI	36,006	190	62	B
Y45LJ	36,396	178	54	B
Y25ML	34,503	211	53	B
Y68TH	34,498	198	56	B
Y66YF/P	25,806	189	46	B
Y54TA	19,395	125	45	B
Y41JH	15,414	103	42	B
Y67PN	14,314	123	34	B
Y25PO/P	11,340	110	35	B
Y46ZC/P	9,857	97	33	B
Y43XE	6,340	95	20	B
Y25DF/P	2,720	43	16	B
Y25AH	1,872	33	16	B
Y24MB	1,320	54	10	B
Y31CN	1,092	18	13	B
Y24QE/A	174	7	6	B
Y25TG	215,670	730	91	C
Y75IN	135,490	512	85	C
Y56ZA	124,800	450	80	C
Y28QH/A	115,423	527	77	C
Y23IA/A	107,756	390	79	C
Y23TL	74,324	328	68	C
Y35ZJ	69,642	281	73	C
Y25JI	54,072	244	72	C
Y23VB	45,668	261	49	C
Y71TA	36,250	166	58	C
Y25SG	31,868	170	52	C
Y25QE	30,654	333	39	C
Y71RA	27,195	162	49	C
Y23HJ	24,274	153	53	C
Y23CM	22,750	142	35	C
Y23GB	20,331	209	27	C
Y79WN	16,610	110	55	C
Y61XM	15,429	126	37	C
Y59ZF	10,164	91	33	C
Y21YA	9,085	99	23	C
Y47YM	8,883	103	27	C
Y23YM/A	8,180	125	20	C
Y21CL	6,792	72	24	C
Y23HN	5,827	98	17	C
Y74XG	4,950	43	30	C
Y77YH	2,700	112	15	C
Y37NM	2,236	46	13	C
Y23UE	1,017	59	9	C
Y23JA	900	42	10	C
Y24SH	440	33	8	C
Y49ZL	351	9	9	C
Y24TG	336	12	7	C
Y35YG	1	1	1	C

Y36I (Y44s TI,XI,ZI,ops)	1,314,039	1932	179	D
Y35L (Y26BL,Y33s TL,UL,ops)	1,013,235	1722	155	D
Y22YD (+Y24YH,Y25TD)	729,820	1381	140	D
Y39CH (Y39s OH,SH,ZH,ops)	496,188	1034	132	D
Y32CN (Y24LN,Y32s WN,YN,ops)	396,858	975	113	D
Y55CJ (Y24WJ,Y55TJ,ops)	377,194	1097	113	D
Y62CI/P (Y62s SI,UI,XI,ops)	364,068	1008	109	D
Y44CN (Y23TN,Y44s SN,ZN,ops)	316,511	905	97	D
Y33CC (Y21BC,Y22IC,ops)	305,200	839	109	D
Y43CO (Y21RO,Y43s GO,ZO,ops)	304,408	896	104	D
Y33CJ/P (Y33s QJ,UJ,WJ,ops)	275,216	777	103	D
Y73SOP (Y21s EA,FA,Y23FA,Y42HA, Y25QA,ops)	236,104	916	88	D
Y54CO (Y54s NL,TO,ZO,ops)	178,959	705	87	D
Y44CF (Y25OF,Y63YF,ops)	122,049	438	71	D
Y52CE (Y22KE,Y52s DE,TE,ops)	106,799	485	73	D
Y53CN/P (Y53s VN,XN,YN,ops)	95,130	421	70	D
Y66CA (Y66s QA,ZA,ops)	63,224	449	58	D
Y49CM (Y49s JM,LM,MM,ops)	56,615	298	65	D
Y33CB (Y33s UB,YB,ZB,ops)	53,280	323	48	D
Y42CB (Y22YB,Y23UB,ops)	52,608	273	64	D
Y72CM (Y72s XM,YM,ZM,ops)	49,242	248	58	D
Y34CC (Y34s TC,UC,YC,ops)	47,840	273	60	D
Y37CE (Y25LE,Y37ZE,ops)	20,852	210	28	D
Y54CE (Y54s SE,YE,ZE,ops)	19,152	150	36	D
Y38CB (Y38s RB,YB,ops)	15,880	135	40	D
Y63CG (Y63s VG,-08-G,ops)	14,171	126	37	D
Y39CL (Y39s UL,ZL,ops)	10,130	113	30	D

Romania

YO5BQ	107,325	425	81	A
YO2AQB	85,190	333	70	A
YO5KLE	56,628	435	52	A
YO2AOB	39,738	291	37	A
YO6ADW	33,239	249	43	A
YO2BLP	11,067	150	31	A
YO2ARV	8,517	133	17	A
YO8BFC	3,840	138	12	A
YO9DIA	143,885	535	87	B
YO3DCO	66,432	300	64	B
YO2LBN	13,764	120	37	B
YO8BVG	5,700	74	25	B
YO8AHX	3,111	53	17	B
YO9DHY	2,795	72	13	B
YO7AOZ	2,385	57	15	B
YO5QAW	2,262	81	13	B
YO9IAB	2,028	63	13	B
YO9FEH	840	30	10	B
YO5OBL	300	33	5	B
YO4BEX	129,108	521	84	C
YO2DFA	117,572	409	91	C
YO3AAQ	29,256	180	53	C
YO2BKK	12,150	147	27	C
YO6VZ	9,556	112	22	C
YO6BPY	2,100	40	15	C
YO9AWV	864	18	15	C
YO6BTY	140	20	5	C
YO8KZD (YO8s CQQ,DDP,EB,ops)	426,512	137	112	D
YO8KQX (YO5OAL,YO8RAX,ops)	3,418	106	14	D

Yugoslavia

YT7M (YU7RU,op)	433,920	1198	113	A
YU2TY	179,902	510	89	A
YU3HR	811,008	1579	126	B
YU2W (YT2FI,op)	772,507	1439	131	B
YU7FT	112,340	405	82	B
YU1ADQ	14,805	168	23	B
YU5DC	7,896	117	21	B
YU3EA	607,050	1160	142	C
YU7BJ	574,362	1526	102	C
YU7SF	258,774	641	118	C
YU4BR	215,628	725	84	C
YU5GX	172,304	544	88	C
YU1BM	153,540	538	90	C
YU5GB	142,272	552	72	C
YU3JZ	116,272	327	86	C
YU7KM	49,848	225	62	C
YU3NP	13,050	118	25	C
YZ3A (YT3s CT,EF,IN,YU3WF, 4N3BMK,ops)	456,722	1225	101	D
YU4ELI (+ops)	37,131	563	89	D

Malta

9H3KL (HA8UB,op)	477,064	1676	98	A

Zone 29

Kaliningrad

UA2EC	23,850	141	50	C
UA2FU	8,160	56	30	C
UZ2FWN	2,444	96	13	C

European Russian RSFSR

UA3RAR	1,077,072	1727	152	A
RW3AU	400,928	846	134	A
UW4CO	175,350	715	70	A
UA3SBW	167,130	459	95	A
UA1WBV	145,029	549	87	A
RA3AOD	113,057	389	91	A
UA6JD	84,388	303	68	A
UA3TS	81,216	397	64	A
RA3AQ	78,300	483	60	A
RA3VA	65,928	224	82	A
UA3DCZ	65,036	292	71	A
UA3DK	53,856	355	58	A
UA3SFH	52,746	265	59	A
UZ6HC	50,917	503	83	A
RA1QM	44,419	389	43	A
UA3RLZ	42,126	435	42	A
UA3RMW	38,300	279	50	A
RV6LA	36,556	316	38	A
UV6HKL	35,130	209	65	A
UA3DJG	34,743	255	37	A
RA3DJA	26,028	155	52	A
RA3QSU	24,530	126	55	A
UA4LU	23,100	260	39	A
RV6AF	20,540	120	52	A
RW3DD	17,889	109	67	A
UV3QMU	13,734	281	21	A
UA3TAM	12,454	154	26	A
UA1ANA	7,317	89	27	A
UA3MBE	520	13	8	A
UA6ADC	613,184	1303	134	B
UA6LQ	325,458	855	98	B
RA3ZH	243,324	765	87	B
UA6XT	200,970	675	90	B
UA3RMN	168,245	670	95	B
RW3DW	154,979	561	81	B
RA6LBS	109,798	422	82	B
RW3ZC	98,185	343	73	B
UA4NC	96,900	468	76	B
UA4CO	75,520	324	80	B
RW3ZA	69,615	321	65	B
UA3TN	69,108	256	78	B
UW3ZI	67,900	322	70	B
UV6LGP	61,301	295	59	B
UA3DNR	55,158	300	58	B
RA3DNC	49,020	305	38	B
UA4ACP	40,420	276	47	B
UV6LAP	38,556	233	54	B
UA6ECU	34,144	370	32	B
UA6HON	32,760	351	54	B
RA3TFU	26,676	252	38	B
UW6LL	22,103	197	31	B
UA3SBJ	18,352	176	31	B
UA3CS	17,561	267	55	B
UW6LO	16,884	142	36	B
RA1CQ	14,280	153	35	B
UA4LEW	13,311	185	27	B
RA4SBV	12,087	254	38	B
UV3DCR	4,335	81	17	B
UA6LTA	2,610	52	15	B
UW3AA	773,924	1427	163	C
RA3ZC	303,105	795	121	C
UZ6AXE (RA6AOS,op)	278,616	776	114	C
UA3YAO	208,280	588	108	C
UA4AGP	205,766	687	94	C
RA4AV	203,500	615	100	C
UA4YR	184,128	645	84	C
UA4CPW	151,128	557	82	C
UA1ANP	144,910	555	88	C
UA1AUA	137,982	583	78	C
RV1AF	133,584	582	77	C
UA6EE	129,184	493	88	C
RA3RN	128,415	355	105	C
UA4AHA	120,480	512	80	C
UW3TU	114,700	497	74	C
UV6HPI	107,408	335	112	C
UA3DEW	98,915	458	73	C
RA3PQ	89,391	327	83	C
UW4CU	88,232	343	82	C
UA4YJ	87,872	321	72	C
UA6BJQ	81,055	429	65	C
UW3AO	80,960	370	64	C
UA4FFV	75,680	469	39	C
UA4HKJ	75,276	323	68	C
UA4LDJ	75,226	409	48	C
UA3VLO	72,072	290	77	C
UA6BGL	70,040	270	68	C
UA4QK	67,184	372	58	C
UA1AJ	65,859	513	47	C
UA6EED	65,270	323	61	C
UZ4HWS	59,276	332	58	C
RA4AI	58,536	284	72	C
RA1CT	57,688	374	56	C
UA4LAF	57,164	328	62	C
UA4HNP	55,278	303	52	C
UA3ICJ	52,650	303	54	C
UA3TU	50,715	105	105	C
UA3RU	48,550	302	50	C
OK3IA/UA3	42,300	274	45	C
UA4HVW	39,824	352	38	C
UA4ANZ	38,016	172	66	C
UA3AAJ	36,387	300	32	C
UA6HPT	32,780	276	44	C
RA1QZ	32,025	293	35	C
UA3IIA	30,855	285	33	C
UA3YFT	26,433	308	33	C
UA4SS	24,583	338	31	C
UV6LEC	19,834	100	47	C
UA6LAK	15,490	251	31	C
UW4SA	15,300	119	34	C
UA3BK	12,800	157	40	C
UA6LIE	12,258	145	46	C
UV6LDP	5,180	43	28	C
RA6LE	3,738	52	21	C
UV6LIP	585	65	5	C
UV6AGF	165	15	5	C
UZ1AWT (UA1ALZ,UW1AE,UV1AA, UA1-169-100,ops)	1,183,912	1870	166	D
US4P (RA4PO,UA4s PBX,PO,QM,RL,RZ, -094-152,-094-883,K7s RA,UDG,ZR, KE7V,WR7Q,ops)	1,070,740	1940	157	D
UZ4CYJ (+ops)	724,128	1322	152	D
UZ3EWD (RA3EA,UA3s EDQ,EKG,EKI, UA3-147s 386,389,421,ops)	513,780	1209	130	D
UZ6LWA (UA6LTY,UW6NU,ops)	464,116	1268	116	D
UZ1TWB (RA1TE,UA1s TAF,UM,ops)	455,948	1238	116	D
UZ1AWQ (+ops)	438,518	1107	119	D
UZ6HXK (UA6-108s 1838,1870,1874,ops)	424,731	1053	93	D
UZ8HWA (RA6HIT,UA6s HRZ,HSV,ops)	410,034	1168	111	D
UZ6LWU (UA6s LCW,-150-1092, -150-1415,ops)	399,726	1170	106	D
UZ4FWA (UA4FZ,UA4-148s 363, 465,481,ops)	374,256	1017	119	D
UZ3XWC (UA3-127s 585,577,578,ops)	280,456	911	88	D
UZ3TWO (+ops)	276,992	371	42	D
UZ4FWZ (+ops)	248,776	645	109	D
RZ6LXN (RW6s LP,LQ,UZ6LC,ops)	199,296	598	98	D
UZ4LWZ (+ops)	190,732	721	82	D
UZ4YWY (+ops)	170,786	683	77	D
R3AFG (UA6BHF,UA4-156-876,ops)	163,350	580	75	D
UZ3RWM (RW3RW,UA3RLP,ops)	157,768	668	82	D
UZ3DWX (+UA3-170-998)	118,620	388	90	D
UZ3MWA (U3MA,UA3s MDL,MES,ops)	107,569	417	77	D
UZ6LWB (RA6LW,UV6ARS,UA6-150s 1344,-1443,ops)	96,720	462	78	D
UZ3DWH (UA3s DVB,-142-610,ops)	71,253	307	63	D
UZ3YXP (UA3s YFO,-118-152,-118 -478,ops)	70,800	308	60	D
UZ4AYN (+ops)	53,400	457	40	D
UZ4PWY (+ops)	37,349	339	47	D
UZ3TWW (UW3TX,UA3-122-1256,ops)	21,236	54	54	D
UZ3LWF (UA3s LID,LGN,-155-581,ops)	18,873	270	27	D

Ukraine

RB5IM	1,177,405	1649	181	A
RB4IRO	495,180	1214	126	A
UB5CGN	361,680	782	120	A
UB5FAN	174,000	709	75	A
UY5TE	149,234	588	83	A
UB5MLP	130,464	425	96	A
UB4JDM	123,878	792	48	A
UB5IF	84,864	399	52	A
RB4IUM	79,395	435	67	A
UB5HDQ	79,254	300	63	A
UB5EQA	78,450	309	80	A
RB5IQ	73,432	312	67	A
UB4AR	64,160	499	40	A
UB8MZ	62,144	253	64	A
RB5IIU	47,920	181	80	A
UB5IFH	41,664	254	48	A
UB5CDX	40,098	221	56	A
RB5IF	35,448	270	37	A
UB5EVN	34,695	271	45	A
RB5CL	25,428	267	39	A
RB5IKY	24,192	118	54	A
UB5CCP	18,370	102	55	A
UB5AJP	15,840	131	36	A
RB5NK	8,236	127	27	A
UB9QZ	1,411	40	17	A
RB5MT	1,473,342	2184	169	B
RB5FF	1,311,393	1910	177	B
RB5DX	810,968	1384	134	B
UB5EAZ	291,555	1002	93	B
RB5VT	234,270	819	90	B
UB5MDD	145,700	750	50	B
UY5IX	70,224	440	56	B
UB5CBB	53,380	306	58	B
UB5BCX	34,858	230	54	B
RB5TK	33,345	259	45	B
UB4JO	32,298	254	42	B
RB5ICY	26,714	234	38	B
UB4ED	19,260	184	30	B
UB5IKN	18,540	200	30	B
UB4LPF	15,776	136	32	B
UB5ZHQ	4,176	72	18	B
UB5SEL	780	32	10	B
RB5GW	686,424	1392	14	
RB5QF	493,107	1225	12	
UB5IAN	309,384	845	11	
UB5IOM	279,748	864	10	
UB5LF	263,403	691	11	
RB4JF	256,841	805	10	
UB5JCF	214,640	751	8	
UB5QBC	210,780	695	8	
UB5PAG	154,466	599	9	
UT4UN	134,421	343	11	
UB4LAA	111,311	499	7	
UB5AFG	99,840	488	6	
UB5EF	96,633	413	8	
UY5ZI	89,131	277	8	
U5CG	86,760	516	6	
RB5UE	75,150	340	7	
UB5MTM	70,360	322	4	
UB5PAN	70,200	429	3	
UB3MP	69,860	315	7	
UB5IHQ	62,060	293	6	
UB5EOB	60,770	288	5	
UB4AO	58,451	293	5	
UB4IX	56,808	300	7	
UB5TN	52,984	198	7	
RB5IDV	52,458	374	4	
UB4LAT	51,744	253	5	
RB5MU	49,408	222	6	
UB5ZFN	49,077	297	4	
RB5FT	47,034	295	5	
UB5BCJ	46,280	890	5	
UB5JNW	42,330	419	3	
UB5EEP	39,205	277	4	
UB5AEI	32,802	290	3	
UB4JL	32,457	292	3	
UB5XCU	30,852	257	3	
UB5JS	29,016	302	3	
UB5SBN	26,880	253	4	
UY5WA	24,928	258	3	
UB5FCN	23,470	311	30	
UB5QBF	22,194	291	4	
UB5REF	21,696	262	3	
UT5LF	14,619	115	3	
UB5DCD	12,914	265	2	
UB4IM	9,044	81	2	
UB5LFG	5,168	92	1	
UB5VK	3,024	72	1	
UB5NCD	1,848	34	1	
UB4JJW	700	74	6	
UB5SBR	520	17	8	
RB8M (RB4s MB,MF,RB5s MA,MP, UB4ML,UB5s MDA,MN,-059-12,ops)	2,774,778	3477	222	
UB3IWA (UB5s IFZ,IML,IOK,ops)	2,319,648	2619	219	
UT4UXW (UT3UA,UT4UZ,UT5UGR,	1,724,020	2552	195	
UB4CWW (RB5s CB,CQ,CW,UB5s (-080-70,ops)	1,292,581	2452	157	
UB4WZA (UB5WCX,UB5-068s 995,9 997,998,ops)	702,190	1352	142	
UB4AWW (UB5s AEM,AFM,ops)	499,348	1310	124	
UY8ILK (RB5s IIU,IKY,UB5INO,ops)	416,918	1113	111	
UB4FWC (+UB5FBV)	295,785	1029	105	
UB4MXP (UB4s MLD,MLP,UB5MVK	218,925	899	105	
UB4QYA (+ops)	183,722	788	77	
UB4FXX (RB5FK,UB5s FEO, -070-433,ops)	149,798	874	73	
UB4LWY (UB4LRG,UB5-077s 1880, 2252,ops)	143,673	488	83	
RB4MYC (UB5s MAA,MFC,ops)	141,805	497	79	
UB4IWI (RB4IVM,UB5s INT,-073 -4328,ops)	100,711	558	61	
UB4DWW (+ops)	76,160	355	68	
UB4VZR (+ops)	61,712	369	58	
RB5EXN (+ops)	47,640	266	55	
UB4RWO (UB5s RCL,RCU,-081-802	37,726	298	94	
RB5XQ (UB5s XCA,XCU,ops)	34,817	310	37	
RB4IYJ (RB5IQD,UB5-073s 3972, 4384,ops)	21,361	255	46	
UB4JXB (+ops)	20,933	288	43	

Byelorussia

RC2AZ	633,500	1383	140	
RC2CR	92,562	516	42	
UC2AB	76,020	363	60	
UC2AJE	37,370	279	37	
UC2AHZ	25,778	288	52	
UC2AI	84,194	289	86	
UC2OS	254,553	736	107	
RC2AU	137,281	632	79	
UC2SAU	43,164	355	33	
UC2AW	32,364	134	58	
UC2AT	16,598	143	36	
UC2OT	462	40	7	
UC1OWA (+ops)	2,858,612	3695	214	
UC1LWN (+ops)	305,704	1067	103	
UC1WXE (+ops)	12,544	216	28	

rbaijan

)KZ	173,583-	453-	81- C
)KW	68,742-	320-	57- C

rgia

)R	202,350-	588-	71- B
FH	16,110-	139-	30- B

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3Q	383,225-	1415-	75- C

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)W	106,896-	412-	68- A
)A	71,001-	318-	63- A
)N	65,892-	406-	57- A

uania

)U	296,120-	777-	110- A
3Q	95,036-	567-	48- A
)M	70,512-	335-	68- A
3NC	61,642-	578-	37- A
3KT	44,505-	423-	43- A
3DN	23,920-	124-	5- A
PBM	384-	18-	8- A
3H	270,664-	771-	103- B
3QQ	73,261-	407-	61- B
ER	67,118-	334-	74- B
ND	31,836-	232-	42- B
3Z	112,770-	473-	70- C
3PO	72,343-	311-	73- C
3B	6,164-	66-	23- C
3WW (UP2s BA,BIJ,BMW,BO,BRP, -038-1162,UW9CF,ops)	1,550,855-	2273-	185- D
3WR (RP2BJT,UP2BIL,ops)	184,628-	541-	102- D
3ZR (+ops)	67,575-	315-	75- D

ria

3D	1,055,700-	1863-	153- A
OR	83,570-	364-	65- A
3HB	43,493-	224-	61- A
PP	5,278-	41-	29- A
3TF	56-	8-	4- A
3CV	90,335-	285-	89- C
3MB	88,704-	386-	72- C
3EO	52,542-	421-	42- C
3EC	44,574-	306-	51- C
3N	11,688-	140-	24- C
W (UQ2s GAG,GJR,GOU,-037-83, -116,ops)	2,537,260-	3373-	192- D
(RQ2GN,UQ2s GKL,GID,GM,ops)	1,806,080-	2736-	170- D
3WW (+ops)	313,710-	1205-	110- D
3XJ (+UQ2-037-221)	120,080-	518-	69- D

nia

RND	243,504-	666-	114- C
RO	5,126-	112-	22- C
RWL (+ops)	123,000-	577-	75- D
RWQ (UR2-083s 1081, 1082,ops)	79,857-	428-	57- D

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opean Russian RSFSR

4RZ	43,950-	237-	50- A
RC	244,316-	640-	103- C
WAM	61,932-	378-	39- C
WAD	28,830-	217-	30- C
WWY (RW4s WR,WZ,UA4s WAW, ,ops)	353,312-	870-	122- D

rtic RSFSR

CDV	165,596-	553-	64- A
CBO	66,620-	180-	94- A
3G	55,814-	327-	43- A
TZ	26,334-	129-	57- A
CT	17,264-	86-	52- A
QA	405,662-	868-	106- B
QA	404,992-	817-	112- B
AB	244,984-	560-	94- B
3N	73,514-	272-	59- B
FG	41,107-	247-	37- B
SG	22,392-	141-	36- B
FR	6,960-	100-	15- B
ND	653,012-	1235-	118- C
CP	456,940-	945-	110- C
WB	376,110-	808-	105- C
QZ	192,465-	493-	73- C
GCU	147,064-	523-	62- C
QGL	107,778-	369-	71- C
QBR	95,820-	353-	60- C
QM	87,176-	283-	68- C
3FV	55,830-	391-	30- C
WKS	43,719-	225-	39- C
QZ	34,891-	221-	37- C
QHU	25,626-	354-	40- C
FAZ/UA9G	24,140-	301-	20- C
WZZ	2,420-	41-	20- C
WFV	672-	20-	7- C
WWB (UA9s WPI,WQK,UV9WR, 9-064s 1535,1539,ops)	445,094-	971-	108- D
C (+ops)	399,100-	877-	100- D
WYN (UA9-165s 1836,1841,1842, 1,1852,ops)	132,930-	438-	76- D
UZ9CWF (UV9CAG,UA9-154s 1198, 1220,ops)	19,412-	179-	23- D
UZ9AXX (+ops)	12,809-	331-	26- D

Uzbekistan

RI8AB	543,356-	1133-	108- B
UI8ZAA	178,228-	565-	68- B
UI8ADQ	249,600-	795-	65- C
UI8BAA	90,915-	235-	87- C
RI8BN	84,240-	582-	30- C

Tadzhikistan

UJ8KA	75,756-	263-	59- A
UJ8JME	17,498-	165-	24- A
UJ8JCM	457,520-	1087-	95- B
UJ8JA	584,064-	1157-	108- C

Kazakhstan

RL7AE	51,537-	281-	41- A
RL7PEO	96,822-	399-	54- B
RL7I/RA9SB	58,803-	270-	51- B
UL7OBA	47,926-	338-	30- B
UL7OBH	11,858-	103-	21- B
RL7AB	1,105,247-	1853-	131- C
UL7MU	554,062-	1162-	106- C
UL7BN	317,191-	692-	113- C
UL8I/UZ9SWO	46,061-	330-	31- C
RL8PYL (UL7s PCZ,PL,RL8s PY,PZ,ops)	1,438,898-	1942-	176- D
UL8LYA (UL7s LEG,LO,-028-177,ops)	1,139,848-	1973-	122- D
UL8CWW (UL7s CAA,CC,CT,ops)	741,831-	1484-	107- D
UL8RWR (UL7s RER,-178-5,-178-15, -178-18,ops)	35,019-	285-	27- D

Kirghizia

UM8MAU	23,825-	209-	25- B

Zone 31

Asiatic RSFSR

RZ9UA	1,102,188-	1562-	159- A
UW9PW	32,650-	153-	50- C
UZ9HYN (+ops)	902,421-	1711-	117- D

Kazakhstan

UL7JW	553,110-	1187-	103- C
UL8GBV	213,476-	610-	83- C
UL8FWA (RL7s FGP,FGV,UL7FCP,ops)	44,157-	258-	41- D
UL8GWK (UL7GAL,UL8s GDM, -190-088,ops)	11,946-	179-	22- D

Kirghizia

RW3QA/RM3M	211,487-	775-	61- A
RM1M/UW3QD	52,777-	390-	39- A
UM8MBA	61,578-	310-	43- C
UM9MZA (+ops)	56,975-	299-	43- D

Zone 32

Asiatic RSFSR

UA9TO	1,008,432-	1711-	141- A
RA9SK	63,140-	270-	55- A
UA9SR	532,152-	1254-	114- B
UA9SU	47,435-	214-	53- B
UA9SAU	732,530-	1196-	139- C
U9AL	153,328-	605-	58- C
UA9SY	105,630-	538-	42- C
RW9AM	63,140-	188-	82- C
UZ9AXX (UA9s AFC,AGI,AMA,ANW, -103-73,103-267,ops)	1,268,629-	1714-	163- D
UA9T/UZ4FWO (RA3FB,UA3RZ, UA4s FAO,-149-677,-149-669,ops)	870,247-	1688-	119- D
UZ9WWR (+ops)	66,339-	373-	39- D

Zone 33

Asiatic RSFSR

UA9UAG	80,703-	313-	61- A
UA9JB	48,195-	371-	27- C
RA9JD	26,156-	133-	52- C
RA9UAR	24,808-	219-	28- C
UZ9DWD (RA9DAG,UA9s-111-1, -111-8,ops)	88,808-	349-	68- D

Zone 34

Asiatic RSFSR

RA9LDX	574,893-	1459-	99- A
UA9FF	238,329-	606-	91- B
UW9LAP	125,400-	766-	38- B
UW9LT	1,253,212-	1830-	173- C
UA9LH	267,710-	553-	89- C
UA9LJ	80,736-	334-	58- C
UA9IBB	15,325-	172-	25- C
UW9FP	7,878-	63-	26- C
UA9CS	3,315-	51-	15- C
R9C (RW9CA,UA9s CDX,CIJ,UW0s CA, CN,CW,ops)	1,411,580-	1996-	163- D
UZ9LWK (UW9s LCN,LDU,ops)	7,521-	107-	23- D

Zone 35

Asiatic RSFSR

UA9ADD	185,840-	474-	92- B
UA9ZCL	25,740-	172-	36- B
UA9ZDA	19,803-	157-	69- C

Zone 36

Madeira Islands

CU2BR	764,604-	1564-	134- A

Canary Islands

EA8BDR	31,383-	203-	33- B
EA8AB	345,802-	937-	74- C
EA8ABG	16,150-	190-	17- C

Zone 37

Portugal

CT1BBJ	23,576-	240-	28- B
CT1QF	18,834-	121-	38- B
CT1BWW	15,381-	160-	51- B
CR5CQK (CT1CQK,op)	6,153-	77-	21- B
CR5NH (CT1BOH,op)	827,480-	1610-	137- C
CR8CWT	44,520-	229-	53- C

Spain

EA2CR	21,285-	133-	43- A
EA4KK	862,240-	532-	44- B
EA5CPH	36,660-	167-	52- B
EA5DIT	36,120-	161-	58- B
EA7BYM	23,500-	148-	47- B
EA5JC	17,974-	98-	43- B
EA1AHA	12,121-	117-	31- B
EA7GHB	2,016-	40-	14- B
EA4EHQ	1,694-	48-	11- B
EA7CA	57,568-	286-	56- C
EA7AAW	10,583-	163-	19- C
EC7DMU	2,988-	77-	12- C
EA4BV	480-	12-	8- C
EA2BSJ (+EA2s CFZ,CGA)	1,130-	37-	10- D

Balearic Islands

EC6PG	23,985-	183-	39- A

Zone 39

Jordan

JY9SR	53,218-	495-	22- A
JY9LC	68,024-	368-	44- B

Cyprus

C4QA (5B4MF,op)	1,618,671-	2293-	151- B

Zone 41

India

AT0T	73,374-	393-	42- B

Zone 44

China

BY5RF (+ops)	59,046-	396-	39- D

Hong Kong

VS6BG	821,500-	1499-	124- C

Zone 45

Japan

JG3KIV	275,236-	775-	79- A
JE7WBI/1	260,178-	568-	103- A
JE3ZFS	254,127-	625-	87- A
JH4UTP	178,984-	408-	104- A
JH4NMT	129,978-	360-	83- A
JA0BSL/1	110,400-	330-	75- A
JA0BMS/1	64,501-	301-	53- A
JA0BPY/6	58,408-	229-	58- A
JA7DOT	56,608-	216-	81- A
JH1WBG	55,650-	270-	53- A
JA1BUI	44,288-	158-	84- A
JI1PGO	40,320-	124-	80- A
JE7JZT	23,408-	191-	31- A
JO1CRA	10,452-	53-	52- A
JM1NKT	8,978-	94-	24- A
JR2IGV	5,538-	55-	26- A
JA9RYL	4,515-	47-	41- A
JI1UTP/1	2,380-	36-	17- A
JA1AAT	1,596-	25-	14- A
JR1GSE	167,090-	470-	77- B
JA7NVF	126,228-	408-	87- B
JH1UUT	55,408-	199-	67- B
JE7DOT	54,117-	212-	63- B
JL1MWI	41,930-	256-	35- B
JA4DUD	28,600-	118-	54- B
JP1SRG	18,136-	103-	39- B
JA8AD	17,625-	155-	25- B
JA7JH	13,685-	81-	35- B
JA2YIL	12,731-	103-	29- B
JH4UHW	11,880-	114-	22- B
JA6EFT	10,125-	85-	27- B
JA2BEY	9,800-	68-	35- B
JR7LVK	9,048-	83-	29- B
JA2ONH	8,175-	71-	25- B
JA6AW	6,118-	64-	23- B
JR1TFR	5,675-	49-	25- B
JA5EO	5,375-	53-	25- B
JA6AJ	3,122-	47-	14- B
JA1JLP	2,518-	30-	17- B
JA1XPU	2,348-	34-	17- B
JA3HPD	2,337-	27-	19- B
JA3FZI	1,648-	25-	18- B
JH1RMH	1,558-	20-	19- B
JA2JEG	1,458-	29-	18- B
JH2WHS	1,440-	26-	18- B
JR1MRG	1,391-	25-	13- B
JO1MCC	910-	18-	13- B
JR3KAH	640-	16-	10- B
JA1QE	540-	12-	9- B
JH9CAV	366-	13-	6- B
JR1GWE	135-	11-	3- B
JH7WKQ	710,640-	1248-	126- C
JA1NUT	489,600-	1002-	105- C
JR1IJV	484,596-	947-	108- C
JA6DAI	445,380-	750-	130- C
JA9CWJ	282,816-	644-	96- C
JR3BOT	237,180-	746-	67- C
JR7OMD/2	208,125-	428-	111- C
JE1CKA	186,626-	452-	98- C
JF3GKE	174,760-	554-	68- C
JA1BNW	167,160-	448-	84- C
JH1YDT (JO1IDL,op)	161,084-	479-	77- C
JA0NCE	108,792-	337-	72- C
JA9TSI	104,842-	268-	89- C
JH4JNG	98,454-	362-	61- C
JK2CZL	98,388-	355-	64- C
JE4VRF	80,582-	254-	73- C
JA2NNF	79,950-	253-	82- C
JA3ARM	65,880-	214-	74- C
JA1WYQ	48,251-	173-	61- C
JA4ETH	48,188-	369-	28- C
JR4ISK	41,470-	183-	58- C
JA9YE	28,755-	106-	71- C
JA1KFX	23,114-	203-	28- C
JO1QZI	22,724-	105-	52- C
JA7ASD	21,935-	117-	41- C
JA2KPV	13,202-	176-	41- C
JA8AJE	12,352-	84-	32- C
JA8HBO	9,090-	69-	30- C
JN1MKZ/2	7,890-	83-	30- C
JA1OP	5,957-	55-	23- C
JA8GVS	3,560-	40-	20- C
JG1BPS	2,865-	40-	17- C
JH1PXY	2,090-	24-	19- C
JA8GZ	1,426-	18-	17- C
7J2AAF (W1END,op)	836-	26-	11- C
JE3CYH	729-	19-	9- C
JA2QVP	680-	17-	8- C
JA7YAA (JQ1JCV,JJ3CNL,JE7JZC, JE6AWL,JH8ORW,ops)	987,200-	1415-	160- D
JE2YRD (JF2s DCJ,EOC,ops)	984,657-	1627-	129- D
JA8YBY (JO1DFG,JH8s GFB,PNE,JE8s BRO,KLI,JR8DHA)	903,150-	1502-	135- D
JA9YBA (JH9VSF,JR9EUZ,JE9ELG,ops)	417,954-	1109-	82- D
JA6YJS (JS1PWV,JQ3BAM,JF4ETK, JG4SVN,JR5BMM,JI6KYX,ops)	228,540-	693-	78- D
JA9YAK (JS1PTU,JK2PVL,JE7GWO, JI7OED,JH9VYG,ops)	65,088-	212-	72- D
JA1YAD (JS1s DSC,IKQ,MNF,ops)	58,080-	247-	55- D

Zone 46

Ivory Coast

TU2UI (KA6IJU,op)	9,664-	62-	32- B

Zone 50

Philippines

KE9A/DU3	111,294-	420-	54- A
4F3BAA	99,432-	705-	36- A
DU3GDX	67,564-	489-	28- B
N7JJQ/DU3 (K4SXT,KC6BJF,KJ6WO, KA9FWV,KE8SC,ops)	337,218-	738-	93- D
DX9HT (DU9s AA,AU,BI,XU,ops)	222,940-	631-	71- D
4G1A (4Z1s FZ,DMD,ops)	125,502-	649-	39- D

Zone 51

Indonesia

YC9VGB	102,267-	628-	33- B

Zone 52

Gabon

TR8SA	663,290-	1404-	95- B

Zone 53

Tanzania

5H3TW (K3TW,op)	1,464,672-	2248-	132- A

Zambia

9J2AI	13,425-	180-	15- A

Zone 54

Indonesia

YC2GW	85,544-	474-	37- B
YC3OSE	46,248-	232-	41- B
YC2GAM	33,180-	241-	28- B
YC6RFF	17,524-	150-	26- B
YC2JWB	6,992-	90-	19- B
YB2FEA	59,829-	253-	49- C

Singapore

9V9RH	2,655-	49-	14- B

Zone 55

Australia

VK8XX	950,866-	1222-	161- A
VK4TT	2,238-	38-	13- C

Zone 58

Australia

VK6AJ	95,990-	339-	58- C

Zone 59

Australia

VK2AYK	52,170-	229-	47- B
VK5GN/P	6,408-	57-	24- B
VK2PWS	1,331-	25-	11- B
VK2APK	428,127-	795-	111- C

Zone 60

New Zealand

ZL3GQ	790,500-	1080-	150- C
ZM2AGY	41,634-	165-	54- C

Zone 61

Hawaiian Islands

KH6FKG	201,135-	769-	53- B
AH6JF	92,628-	308-	62- C

Zone 63

French Polynesia

FO5IW	487,200-	1237-	80- B

Zone 64

Guam

NY6M/KH2	134,852-	650-	42- C

Zone 65

Marshall Islands

KX6OI	34,188-	208-	33- C

Zone 75

Franz Josef Land

UA9BEZ/UA1O	96,525-	703-	33- B
UA1OT	13,500-	147-	27- C

Checklogs

CT1TM, EA3GBU, EA5EFV, EA5GGK, HA3RB, HA8KWG, HA8KWO, HA8LKM, HA8LG, HK3MAH, IK0JMS, JA6FYM, JL3AYU, JM3COI, JR1XKU, KO4D, KQ4G, LA1PHA, LA4KQ, LA6KJ, LA8CE, LA9FFA, LZ1AX, LZ1KWZ, LZ1UQ, LZ2JR, N5MLL, OK1US, OK2PLH, OK3KJF, OK3TEP, OK3TIR, ON5FV, OZ1INN, OZ1KWG, OZ5PA, OZ6EDR/A, PA8PUR, PA9TV, RA1QX, RA3ALA, RA3AUU, RA4PR, RA8SU, RB5EAJ, RB5IA, RT4UM, RT5UE, RT5UO, RV6ACZ, RV6LD, RW3AL, RW6LZ, RZ1OA, RZ3DC, RZ3DM, SM4JOW, SM5ARL, SM6CDN, SM7BAH, SM7HEC, SM7KWE, SM8CSX, SP4GDC, SP5ILO, SP6CZ, SP6FEB, SP8KEA, SP9HZF, U8AG, UA1NDX, UA1OB, UA1P/UA4SC, UA3DPX, UA3EDH, UA3ET, UA3MED, UA3NU, UA3RE, UA3TJW, UA3VQP, UA4HLD, UA4NBD, UA4PKN, UA4YBR, UA6HJI, UA6HPK, UA6LAX, UA6LDF, UA6PCH, UA6YAV, UA9XS, UA9FZ, UB4JFO, UB4LXD, UB5AKA, UB5JAR/UT5J, UB5KV, UB5PCS, UB5QJA, UB5VCK, UB5ZDA, UB5ZR, UF6FBI, UL7LAH, UL8BWW, UM8DX, UM8MGM, UO5OOW, UP2BEI, UQ2GLQ, UV3ACQ, UV3AFB, UV3DN, UV3DPA,UV6ARL, UV6HLC, UV6LJS, UW1BI, UW3HY, UW3RR, UW8HWD, UW9JC,UW8CM, UY5GG, UY5JC, UZ3SWB, UZ3VWL, UZ3VXT, UZ4AXQ, UZ4FWX, UZ4WWB, UZ9AWQ, UZ9AZA, UZ9CWW, UZ9CXA, UZ9FZD, VE3AWE/W6, WA3EOP, Y21UD, Y22AN, Y23BF, Y23KF, Y23OH, Y23WM, Y24JJ, Y24WJ/A, Y25ID/P, Y25KA, Y25MG, Y26IL/A, Y26RD/P, Y27FL/P, Y27YH, Y39RE, Y47XF, Y54WM/P, Y55TJ, Y56SG, Y64CF/P, Y65UM, YC2EMK, YO2BP, YO2CMI, YO3CFF, YV4AZF