

Results, 2nd IARU HF World Championship

Fun in the sun!

By Billy Lunt, KR1R
Contest Manager, ARRL

and Rus Wilson, KC1GX
Contest Assistant, ARRL

Despite the "eccentricity" of mid-July activities known to modern man, such as picnics, vacations, swimming, horse-back riding and just lying around in the sun, the IARU HF World Championship has been earmarked a world-class contest. Even though this is the time of year more suited for outside activities and we were plagued with poor conditions and low sunspot numbers, this second annual event amassed 1333 entries, just shy of the total entries received (1397) for the first IARU HF World Championship. Of the four different entry classes, CW-only was the most popular around the world with 469 entries. The second most popular was the phone-only class with 298 entries, followed by mixed mode and multioperator.

Again this year, IARU member-society HQ stations enjoyed the luxury of counting as multipliers along with ITU zones. Twelve HQ stations joined the fierce competition in their category and sent their logs to Box AAA for checking. The top scorer was HQ9R with 2.49 million points. YQ0A was right on their heels with 2.44 meg. Check the boxes for the full details.

Activity was plentiful this year with a grand total of 549k QSOs and 65k multipliers reported as worked on all bands from all entrants, representing 46 different ITU zones, 74 DXCC countries and 65 ARRL Sections. Not bad for a 24-hour period. The Contest Branch did a bit of figuring and came up with an average score per entry of 106,812 points and an average of 412 QSOs and 49 multipliers. Compare your score with these figures to see how you fared.

The USSR claimed the top three spots amidst the entries in the mixed-mode category. First place went to George, UA1DZ, with 838k points followed closely by Vlad, RB5IM, with 830k points from the Ukraine, and Ivan, UA9TS, in third place with 791k points from Asiatic RSFSR. Rich, K1CC, took stateside top honors and also managed to finish 5th place worldwide. Second-place W/VE was Eric, K3NA, with 391k.

The 1st place phone winner for 1987 was H25MF (5B4MF, op) from Cyprus with 962k and second place world phone was Luis, ZP5JCY, with 754k. Jerry, WB9HAD, was the only statesider to make the world top ten, finishing in 9th place worldwide and 1st place W/VE. Second-place W/VE was Glenn, WA4JXI (WA4SVO, op).

Veteran brass pounder Jorge, LU8DQ, remained as world winner for the CW-only category this year, scoring 774k points. Trying to oust Jorge as king of CW was 4N4A (YU4UE, op) with 764k for a fine 2nd-place finish. Dan, K1TO, finished in 3rd place worldwide and was the 1st-place W/VE finisher with 542k. W0ZV, N2IC/0 and WA6VEF fought it out for 6th, 7th and



The crew from Y61HQ pose for a photo at the base of their 40-meter tower after finishing in 3rd place among the IARU member-society HQ stations. Atop the tower is a rotatable 3-element 40-meter quad.

Top World Scores

Mixed		Phone		CW		Multioperator	
Call	Score	Call	Score	Call	Score	Call	Score
UA1DZ	838,510	H25MF (5B4MF,op)	962,388	LU8DQ	774,520	UB4MZL	2,644,480
RB5IM	830,592	ZP5JCY	754,696	4N4A (YU4UE,op)	764,272	UZ9VWH	1,288,700
UA9TS	791,028	OK2JS	583,836	K1TO	542,646	HA6GN	1,222,155
YU3EO	646,875	UA9YX	562,275	UL7CW	540,388	HG5A	1,214,640
K1CC	582,400	HA5NP	514,215	UW3AA	489,154	LZ9A	1,167,905
OH6EI	523,584	K4YT/4D8	479,450	W0ZV	481,440	UB3IWA	1,132,620
UW9CO	515,260	UQ2GM	454,440	N2IC/0	467,415	UP1BWW	1,086,448
RA9JX	500,112	UT5DK	350,921	WA6VEF	462,618	UA9AYA	1,055,502
OF8AC (OH8AC,op)	490,104	WB9HAD	325,234	JA0SAU	459,200	OK5R	965,172
UT4UZ	404,178	RB5IA	312,132	UP2BW	458,316	HG1S	936,763

Top W/VE Scores

Mixed		Phone		CW		Multioperator	
Call	Score	Call	Score	Call	Score	Call	Score
K1CC	582,400	WB9HAD	325,234	K1TO	542,646	N5RM	652,065
K3NA	391,625	WA4JXI (WA4SVO,op)	233,398	W0ZV	481,440	K6JYO	620,620
N5IVF	378,200	N4UH	192,192	N2IC/0	467,415	K5RX	497,028
KM9L	331,078	VE3XN	168,483	WA6VEF	462,618	WB8JBM	450,870
WB5BIR	322,047	K6SVL	164,362	AA1K	419,594	KM3T	438,900
KZ5D	293,809	KY2J	153,370	W1WEF	353,970	K8AZ	417,252
WZ4F	226,336	WA5IGD	129,948	N4ZC	334,476	K4VX/0	396,700
WD8IXE	220,416	VE1CBF	104,370	KZ2S	300,722	W0KEA	306,336
WB1QF	218,376	KW6C	72,050	K3IPK	244,839	N8CXX	305,096
N18L	131,340	W5PLN	65,340	KG5U	233,500	AG8W	292,928

IARU Headquarters Stations

HG9R (13 ops)	2,491,360-	5306-184
YQ0A (YO2BV, YO2GZ, YO3ABL, YO3AC, YO3APJ/9, YO3CD, YO4AVR, YO4BEX, YO4CEM, YO4HW, YO4PX, YO4PZ, YO8BQO, YO8DDP, YO9BQN, YO9WZ, ops)	2,445,156-	5516-186
Y81HQ (Y21YK, Y22TK, Y23EK, Y24UK, Y25ZO, Y31OA, Y32JK, Y33VL, Y37XJ, Y42LK, Y42MK, ops)	2,287,371-	4750-177
OF1C (OH1s EB, EH, CN, HS, KA, LA, NDA, NSJ, OH6LK, ops)	1,819,323-	4215-141
CX1AA	1,536,892-	2413-131
OE5XXL (OE5s CA, DI, JDL, JTL, KE, ops)	996,768-	2787-144
BY1PK (7 ops)	676,568-	1968-92
W1AW (NG1J, N1CIX, W1OD, NJ2L, NT2X, WA4CMS, KJ4KB, W0PAN, ops)	490,864-	2268-88
JA3RL (JA3AQF, JG3RPL, JI3ERV, JI3OYM, JN3OTE, JR3FRF, JH4NMI, JR4ISF, ops)	232,651-	1276-73
HB0FL (HB0LL, HB9ASJ, OE9OYT, ops)	3,497-	125-13
PT2AA (PT2CW, op)	3,111-	40-17
EI0RTS (EI2CL, op)	1,760-	36-2

work! See you for the Third IARU HF World Championship on the weekend of July 9-10, 1988. Thanks to Mark R. Burke, KA1MIS, for help in preparing this report.

SOAPBOX

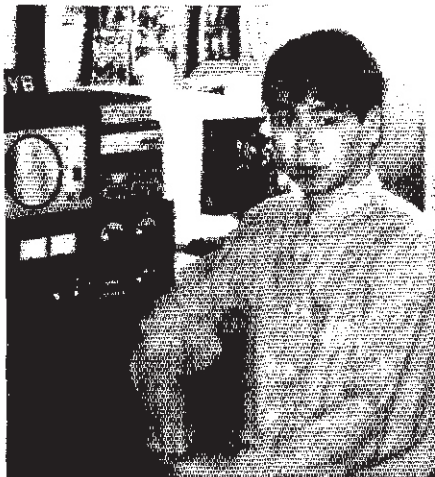
Lost five hours at the beginning of the contest due to power loss. Rather poor conditions (UW1BM). I'm sorry to say that propagation was very bad (RV6AF). Best regards to all hams in the contest (UA3Q1C). Thanks for a FB contest (UA3DJG). Many thanks for the good contest (UZ3TG). Working conditions were very poor in Kallinin (UA3ICJ). It was great! The kids here in the Tel-Aviv Scouts Club had a very good time. We worked 40 countries and the 24-hour period was a very good idea (4Z61Z). Thank you for the contest (EA5BZS). Too many people in the contest. You'd better make a single-band group (EA3FWE). Good participa-

tion from radio clubs in different countries. Poor participation in South America (CT1BWW). Let's wait for better propagation (OK5R). Biggest thrill was to work VE1BNN on E-skip (double hop) (DL8PC). Very nice contest. Too bad I missed the 80- and 40-meter possibilities. I sure hope to work the HQ stations next year on 80. CX1AA was a very welcome surprise (PA0VLA). Conditions were generally poor (PA0YN). Nice contest. Conditions were very strange. Just short openings to stations outside of Europe (PA3EMN). Work, sleep and thunderstorms limited my participation. Please hold the contest again and I will take a day off! (GM4HQF). I lost a 3-500Z in the amp only two days before the contest. No spare was available so I had to "barefoot it." The big OH0W antenna farm helped out. I was able to hold a frequency with 150 W output (K8MN/OH0). Bad conditions on the band, but those three Chinese stations were a very nice surprise (OF7XE). My professional activities kept getting in the way. I am a doctor. The contacts came very slow (YW5M). My first IARU Con-

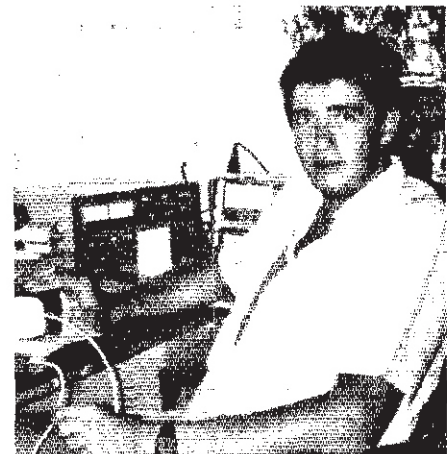
8th places worldwide and 2nd, 3rd and 4th places W/VE. Fine going, guys!

In the multioperator class, UB4MZL blew everyone away with 2.6-million points resulting in a commanding 1.4-meg margin over 2nd-place winner UZ9VWH. Eight of the top ten multiop crews finished over the 1-meg mark! First-place W/VE was a fierce battle resulting in a win for N5RM with 652k points and 2nd place going to K6JYO with 620k points.

This 24-hour contest is catching on fast and turning out some dynamite scores. If you haven't tried it yet, you should. It is great fun and there is a lot of participation from around the world. So, if it's DX you're looking for, there is plenty of it to



Masaki, JH4UYB, a university medical student, moved up from 3rd place last year to 2nd place in Japan this year.



Looking very relaxed is H25MF (5B4MF,op) after taking 1st place phone-only worldwide. The microphone probably is not cool yet!

test and it won't be my last! For my short time, I really enjoyed myself (K09Y/S). Between a VE exam and taking the XYL out, I could only spend

a little time in the contest (KA7T). Thanks for a FB contest (UO5OBT). Thanks for a nice contest (UQ2GN). Bad propagation (UQ2CR). Enjoyed the

contest very much and CU next year (UP1BWW). Sorry, poor conditions (UP2OU). Many thanks for a nice contest (UO5OJM).

Scores

Scores are listed by ITU zone and then by country within that zone. The line score (example—NL7P 98,903-363-71-A) indicates the call sign used, the total score, the number of valid contacts, the number of multipliers and the 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			Nevada			WB8SYV			20,940-268-30-C			KM3T (+WB2EKK,WB3JRU,KC8C)			438,900-1297-105-D											
Alaska			WB7VUH			538-27-7-B			ZONE 8			W3GG (+K3YGU,KA3PGL)			242,283-1042-79-D											
NL7P			98,903-363-71-A			Oregon			W1			Western Pennsylvania			WB3COA			4,140-81-20-B								
NL7HT			5,339-83-19-B			AD7T			Connecticut			W4			Alabama			WZ4F			226,336-1020-88-A					
NL7HI			2,862-41-18-B			KA7FEF			K1CG			582,400-1302-126-A			W4GLS			17,538-231-37-A								
KL7UR			114,844-456-64-C			Utah			KB1XD			9,541-131-28-A			Georgia			Kentucky			KB4WQO			9,499-111-19-B		
ZONE 2			Washington			KE7KF			KA1YP			44,574-341-46-B			AA4RX			1,874-100-9-B								
Alberta			KT7G			27,224-207-41-B			K1TO			542,648-1269-117-C			W44MXD			980-36-10-B								
VE6OZ			20,746-154-41-A			KR7L			W1WFEF			353,970-1026-95-C			WA4XM			72,380-392-60-C								
VE6APN			968-30-11-B			K7LXC (NL7GP, op)			W4XR			71,775-319-75-C			North Carolina			W4WPKQ			34,787-350-43-B					
VE7HQ			224,190-725-90-C			NR7V			KA1CVIM			9,022-135-26-C			W4UH			192,192-1054-77-B								
VE7HF			4,418-48-24-C			Washington			W1VH			1,600-50-10-C			KA4RVS			65,230-497-55-B								
VE7QO			95,084-401-68-C			W5			NJ2L			884-29-9-C			KJ4TI			14,268-192-33-B								
ZONE 3			Arkansas			W5			Eastern Massachusetts			W1END			N4ZC			964-108-C								
Saskatchewan			KA5OGA			14,688-195-27-B			WB2DND			18,084-115-44-A			W4FB			33,390-278-45-C								
VE5AAD			W5EJ			1,695-35-15-C			WB1GEX			51,304-502-44-B			N4UH			192,192-1054-77-B								
ZONE 4			Louisiana			W5EJ			WA1NPZ			31,680-240-44-B			KA4RVS			65,230-497-55-B								
Quebec			KZ5D			293,809-368-101-A			N6EKV1			40,068-351-46-C			K4JTB			334,478-964-108-C								
VE2XL			W5IG0			129,948-622-68-B			W10PJ			357-19-7-C			K4PB			33,390-278-45-C								
Ontario			New Mexico			NC5D			Maine			K1SA (+KA1PCM,KO1V,N1AFC)			Northern Florida			N4BP			81,100-593-47-A					
VE3DEQ			NC5D			86,671-498-59-C			W1LQQ			4,239-100-22-C			WD4IO			3,052-90-14-A								
VE3XN			A1X			42,065-307-47-C			New Hampshire			Rhode Island			W4AJXI (WA4SVQ,op)			233,398-894-103-B								
VE3KP			N5EPA (+AG5S,NM5S,WA8OTU)			148,984-622-74-D			W1END			20,514-311-26-B			W4WKQ			34,787-350-43-B								
ZONE 6			North Texas			W5PLN			Vermont			Western Massachusetts			Southern Florida			Tennessee			K4PR			39,200-268-56-A		
W6			W5PLN			85,340-390-55-B			KB1UE			2,772-88-14-A			W4K4F			16,492-148-38-B								
East Bay			NS1ET			16,272-154-36-B			NB1A			2,772-88-14-A			W4AAHZ			70,778-389-72-C								
K58Q			KYSN			18,116-168-34-B			KB1UE			2,800-75-16-B			W4K4F			16,492-148-38-B								
K8CSL			K5SH			14,300-180-26-B			N1CQ			208,845-837-65-C			W4AAHZ			70,778-389-72-C								
K8ZM (+K8EZ)			W5UDA			46,128-291-48-C			W2			Eastern New York			K4JHT			19,425-181-17-B								
Los Angeles			W5QSW			31,198-284-38-C			KC2QF			33,855-391-37-A			K3CQ			9,342-171-18-C								
N8IPB			W5BOX			15,990-165-30-C			KY2J			153,370-811-70-B			NU4B			3,502-103-17-C								
K6SVL			KB5ADE			632-41-8-C			N2GLV			223,082-865-71-C			K8ZK (+K2PGW)			12,220-252-26-D								
K6BN			K5RX (+KR8Y,KM5R)			497,028-1270-122-D			New York City-Long Island			W2GKZ			Virginia			K4PFF			20,313-197-37-A					
WS8V			Oklahoma			KF5DA			W2GKZ			3,300-54-15-A			WU4D			1,410-55-10-A								
Orange			KF5DA			30,927-264-39-A			K2R3			5,382-75-26-B			W4XG			10,550-164-25-C								
NX6M			NR6L			18,800-192-40-A			K2RY			581-41-7-B			W8			Michigan			N8L			131,340-763-80-A		
W8SX			NW5H			29,480-475-22-B			K2SX			64,428-384-59-C			N8CXX (K8JM,N8TU,N8T,ops)			305,098-1228-88-D								
NM6L			South Texas			NS1VF			K2AFM			1,140-41-12-C			AG8W (A8D,K8MJ,Z,ops)			292,928-1234-82-D								
Santa Barbara			NS1VF			378,200-931-124-A			Northern New Jersey			K72D			Ohio			WD8IXE			220,416-958-84-A					
W6GFGV			W8SBR			322,047-1178-99-A			K72D			4,715-75-23-A			WDBJQ			78,012-502-66-A								
AA4Q8			K8SU			233,800-714-100-C			K7FNW			27,132-174-51-B			N8BC			58,108-331-82-C								
Santa Clara Valley			K8BY5			42,210-322-45-C			W1GD			39,050-331-50-B			K3JT			45,900-386-51-C								
N8NF			W5NR			4,284-52-21-C			KC2NF			1,780-66-10-B			WB8KKI			39,300-238-50-C								
KW8C			NS5RM (K2TNO,K5GN,KESIV,NSDU, (W8SN,ops))			652,065-1383-145-D			K2QSE			658-47-14-B			WDBAUB			25,284-255-42-C								
W8VFEF			N5EA (+W5ASP,WX5S,K5RVF,K6XU)			326,880-1045-96-D			K2ZS			900,722-920-106-C			W8BJBM (NZ4K,KD8NS,KU8E,N8ATR, N8DCJ,KW8N,KC8MK,N8DMM,W88PH,ops)			450,870-425-133-D								
W8WZ			W9			Wisconsin			N2FVP (+K2YDZ)			19,203-157-37-D			K8AZ (+K8 MR,NZ,N8AA,W8HSX,ops)			417,252-1197-116-D								
San Diego			W9			W9			Southern New Jersey			AB2E			Illinois			KM9L			331,078-1314-101-A					
W6UQF			W9			W9			AB2E			65,438-458-42-A			W9SGDGE			15,147-753-27-A								
WN6L			W9			W9			N2FJQ			812-58-7-B			W9SHAD			325,234-1347-91-B								
KB6PJJ			W9			W9			W2GTN			2,925-84-15-C			K93Z			18,576-785-27-B								
AA6EE			W9			W9			Western New York			KW2J			K93C			5,239-146-27-C								
K8UYO (+K16MS,N16W,W6KUT,K9VV)			W9			W9			KW2TZ			64,792-377-56-C			K9JMX			3,038-112-11-C								
620,620-1422-124-D			W9			W9			W2FTY			17,884-210-28-C			K9SD (+W9NNE,W8SBO,K9FU, (WA9GJ,N88F))			180,461-893-81-D								
San Francisco			W9			W9			W3			Delaware			Indiana			K9JS			4,536-102-21-B					
KU6J			W9			W9			AA1K			419,594-985-119-C			N2BVJ9			52,076-478-47-C								
K8LRN			W9			W9			Eastern Pennsylvania			W3BGN			Wisconsin			K9VOK			6,348-185-18-B					
San Joaquin Valley			W9			W9			W3BGN			31,988-420-61-A			W3BGN			31,988-420-61-A								
WW60			W9			W9			W3ARK			41,407-311-47-A			K3ZPG			1,470-37-14-B								
WB8ITM			W9			W9			K3IPK			244,839-765-89-C			K3ZLK (+K33s DSW,DSX,PKN,N3s CHL, EUK,KQ3V,WB3s EPW,FYL)			73,700-583-50-D								
Sacramento Valley			W9			W9			Maryland-District of Columbia			K3NA			391,625-1088-125-A			K3NA			391,625-1088-125-A					
N6JM			W9			W9			K3HXI			53,664-392-52-C			W3HXI			53,664-392-52-C								
N6JW			W9			W9			Arizona			KC7V			10,380-185-20-C			N7JUM			5,772-168-17-C					
W7			W9			W9			Minnesota			W8RXL			2,142-36-21-A			Idaho			KA7T			11,826-128-27-C		
Arizona			W9			W9			W88GFV			153-23-3-B			W88GFV			153-23-3-B								
KC7V			W9			W9			K9WYI			19,344-219-31-C			W88GFV			153-23-3-B								
N7JUM			W9			W9			WA8QIT (+N8EOB)			16,800-264-24-D			Montana			KW7I			4,880-82-26-B					
Idaho			W9			W9			Nebraska			AK8G			16,456-302-21-A			K57T			64,450-404-50-C					
KA7T			W9			W9			Nebraska			AK8G			16,456-302-21-A			WA6ALQ			3,582-44-18-C					

ZONE 9

Maritimes-Newfoundland

VO2AC 1,221- 58- 11-A
VE1CBF 104,370- 409- 70-B
VO1AW 6,310- 61- 30-C

Quebec

VE2LJ 58,440- 351- 40-C

ZONE 11

Dominican Republic

H13AMF 44,884- 317- 44-B
WT4G/H13 (+H13JEI) 70,608- 365- 48-D

St Vincent

W8KKF/J8 87,028- 567- 48-B

Netherlands Antilles

K2KTT/PJ7 9,512- 92- 29-B

Costa Rica

TEST 8,736- 166- 24-C

British Virgin Islands

VP2VEN 88,800- 516- 60-B

Bermuda

WB4IUX/VF9 8,592- 518- 56-A
AF1UJVP9 1,404- 52- 9-C

Cayman Islands

ZF2AH 1,826- 52- 11-A

ZONE 12

French Guiana

FY4EE 4,820- 51- 20-C

Venezuela

YV1DIWQ 126,336- 477- 58-B
YV9BKC 77,636- 401- 52-B
YV5M 8,128- 79- 16-B

ZONE 14

Chile

CE3BFZ 76,045- 242- 67-B

Argentina

LU6EJP 4,992- 65- 16-B
LU8DQ 774,520- 1174- 134-C

Paraguay

ZP5JCY 754,686- 1338- 116-B

ZONE 15

Brazil

PP2ZDD 60,956- 444- 37-B
PY2RRG 24,882- 290- 29-C

ZONE 17

Iceland

KA3KIW/TF 405- 81- 5-A
TF3DC 2,964- 40- 19-C

ZONE 18

Svalbard

SP6EJA/JW 24,467- 207- 37-A

Norway

LA2GN 55,401- 306- 59-B
LA1XDA 40,720- 326- 40-B
LA2AD 2,541- 71- 11-B

Finland

OH8EI 523,584- 1498- 108-A
OF8AC (OH8AC,op) 490,104- 1430- 108-A

OF3GD 141,886- 853- 61-A
OF7NW 24,696- 208- 36-A
OF6NEV 85,763- 432- 47-B
OF7XE 48,470- 476- 30-B
OH2PM 452,500- 1081- 125-C
OF8YF (OH8YF,op) 259,634- 1021- 86-C

OH5NFS 97,674- 390- 73-C
OH7EU 68,880- 358- 60-C
OF3NM 23,328- 188- 32-C
OH9TD 6,424- 88- 22-C
OH8NVC 1,014- 28- 13-C
OH5MX 1- 1- 1-C
OF4RH (OH4s OO,RH,ops) 439,701- 1361- 97-D

OF2BAH (OH2s BAH,BMD,ops) 310,230- 1124- 81-D
OH6AM (OH6s OS,UJ,ops) 309,120- 1230- 90-D

Aland Island

K8MN/OH8 338,184- 1388- 77-A

Denmark

OZ1APA 43,658- 174- 83-A
OZ1CAH 44,712- 266- 16-B
OZ6VE 29,248- 153- 84-B
OZ1ASP 23,736- 208- 43-B
OZ1ESS (OZ1OC,op) 40,589- 383- 37-C

OZ1JVN 30,870- 219- 45-C
OZ1DXK 21,788- 264- 29-C
OZ1DPW 17,520- 132- 10-C
OZ4CG 15,631- 174- 29-C
OZ8SW 13,547- 149- 31-C

OZ1JHM 2,500- 87- 10-C

Sweden

SM5GMG 9,180- 68- 34-A
SM5ARR 1,352- 49- 8-A
SM5ARL 55,250- 404- 65-B
SM2NTU 3,696- 74- 24-B
SM6JY 168- 20- 4-B
SM3LIV 90- 14- 3-B
SM3CCM 98,684- 558- 54-C
SK6AW (SM6DED,op) 76,482- 580- 63-C

SM1BVO 40,740- 315- 60-C
SM7CVU 14,240- 172- 40-C
SK4EA (SM4RRF,op) 11,058- 168- 31-C
SM7LAZ/8 5,412- 115- 28-C
SM8DUU 1,808- 51- 18-C

ZONE 19

European Russian RSFSR

UA1DZ 838,510- 1769- 142-A
UN1CD 17,280- 144- 26-A
RA1AA 208,518- 838- 77-B
UW1BM 22,645- 203- 35-B
RA1OAK 14,140- 149- 28-B
UA1OMW 8,144- 151- 16-B
UA1OMV 48,167- 292- 49-C
UA1ZFT 34,928- 293- 37-C
UA1OLL 24,440- 164- 47-C
UA1CML 17,670- 202- 31-C
UA1OB 5,280- 101- 15-C
UA1YR 1,320- 88- 15-C
UZ1AWO (+ ops) 265,115- 1052- 85-D

UZ1OWR (UA1s OFT,OIQ,113-17,ops) 101,472- 583- 56-D

ZONE 20

Asiatic RSFSR

RA9XB 154,269- 580- 61-A
UA9XR 338,420- 839- 90-C
UA9XHT 159,957- 515- 69-C
UA9XBD 76,293- 380- 49-C
UA9XHJ 47,034- 338- 39-C
UA9CAQ 11,946- 123- 22-C
UZ9XXM (UA9s XDG,XF,688-424,898-473,ops) 367,316- 1012- 79-D
UZ9GWS (RV9CAB,UA9s CPL,CVF,ops) 189,356- 582- 66-D
UZ9XWH (UA9s XBQ,XBV,898-966,ops) 67,074- 378- 42-D

ZONE 21

Asiatic RSFSR

RA9JX 500,112- 1240- 92-A
UA9KF 27,870- 217- 23-B

ZONE 22

Asiatic RSFSR

UA8BE 49,875- 336- 33-C
UA8SZ 108- 18- 6-C

ZONE 24

Asiatic RSFSR

UA8QO 110,325- 373- 75-A

ZONE 26

Asiatic RSFSR

UA8KAV 60,916- 366- 44-A
UA8KCL 43,146- 353- 27-C
UA8KAT 11,725- 123- 25-C
UA8KO 1,900- 39- 12-C

ZONE 27

Ireland

EI5CRC (EI1CS,EI2GN,EI4EC,EI6AK,EI7FK,EI9FT,EI846,EI911,ops) 107,726- 598- 61-D
EI7DJ (EI8AU,EI888,ops) 37,366- 268- 44-D

France

FE1JDG 6,545- 226- 11-A
FE8VB 97,812- 485- 86-B
FE6DRP 5,664- 152- 12-B
FE8PQ 7,380- 112- 18-C

England

G4VGO 4,970- 125- 14-A
GB8AEV 130,220- 509- 85-B
GB8AR (G4XKR,op) 89,432- 425- 72-B

G0DL2DN 1,664- 104- 16-B
G3E5F 120,226- 480- 75-C
G0FKB4GID 49,068- 276- 58-C
G3DFV 33,920- 252- 40-C
G3TXF 24,440- 256- 26-C
G0WCGU 3,822- 68- 21-C
GB4DX (G4BWP,G4GIR,ops) 851,072- 1947- 122-D

Scotland

GM4WEW 13,975- 159- 25-B
GM4HQF 10,120- 142- 22-B
GM3CFS 58,024- 312- 56-C

Wales

GW4RHW 21,141- 251- 27-A
GW4BLE 55,067- 304- 53-B

Belgium

ON8CR 24,385- 199- 41-B
ON8KI 22,075- 370- 25-B

ON6JG 784- 38- 8-B
ON4XG 11,872- 128- 28-C

Netherlands

PA2GER 42,462- 625- 42-A
PA3EOP 12,206- 126- 34-A
PA3CAU 4,280- 124- 12-A
PA/DL1S8F 1,320- 50- 10-A
PA8DUO 58,930- 272- 71-B
PA3EMN 39,054- 285- 46-B
PA3YV 5,480- 92- 20-B
PA2NLJ 3,066- 148- 21-B
PA3CAZ 2,820- 78- 10-B
PA3AGT 52,536- 171- 88-C
PA8VLA 18,024- 159- 41-C
PA3BTH 18,600- 143- 40-C
PA8LOU 14,859- 121- 39-C
PA8PU 13,180- 153- 26-C
PA8LKR 10,618- 121- 31-C
PA3BNT 2,052- 38- 18-C
PA8KHS (+ PA8s AHO,NZH,PA3s ADJ,AIR,AWV,LDQV,ENJ,PE1LBX) 421,178- 1283- 92-D

ZONE 28

Federal Republic of Germany

DF2RG 3,020- 56- 20-A
DK8AX 1,017- 55- 9-A
DL8PC 272,636- 868- 107-B
DK7ZT 31,360- 195- 35-B
DL1RDG 29,596- 257- 49-B
DJ4FU 25,245- 239- 45-B
DK5D6 22,644- 251- 37-B
DJ8MW 4,992- 122- 16-B
DL3ECC 4,524- 156- 13-B
DJ8OO 630- 21- 10-B
DL4BBO 68,288- 461- 44-C
DL1TH 82,325- 315- 65-C
DL1EK 38,861- 385- 33-C
DL1ZQ 28,524- 282- 38-C
DK8KC 9,951- 119- 31-C
DF3QM 5,750- 99- 25-C

Hungary

HA2KMR 118,455- 1027- 53-A
DK8XH 98,142- 607- 66-A
HA3NUJ 42,750- 263- 50-A
HA6ZV 42,484- 365- 43-A
HA1SL 33,680- 254- 51-A
HA5ARR/8 30,288- 379- 28-A
HA5NP 514,215- 1386- 135-B
HA5WU 11,370- 278- 15-B
HA5LZ 168,920- 480- 103-C
HA7UJ 138,645- 857- 79-C
HA7JP 97,024- 578- 64-C
HA8HG 17,368- 173- 38-C
HA8KZ 4,597- 163- 22-C
HA6GN (HA6s ND,NF,NO,NY,ON,OO,ops) 1,222,165- 2333- 165-D

HQ5A (HA5s FM,GF,HO,LN,MK,ML,OM,WIE,HA7s RY,SU,ops) 1,214,840- 2238- 180-D
HG1S (HA1s DAC,TD,TJ,TV,889,ops) 338,763- 2174- 149-D
HG7B (HA5WA,HA7s UG,UO,HA8s FM,IE,HA8DU,ops) 870,889- 1747- 137-D

HG6V (6 ops) 511,212- 1561- 118-D
HA3KNA (HA3s NS,NU,OU,OV,ops) 478,164- 1368- 109-D
HA8KLE (HA8s LC,MK,VI,VN,VO,ops) 351,840- 1254- 96-D
HA5KPL (6 ops) 248,094- 1211- 77-D
HA8UNX (4 ops) 153,519- 770- 73-D
HA1KZV (HA1s CA,DRJ,DRP,DRQ,DRT,ops) 83,631- 359- 61-D
HA6KNI 78,408- 860- 33-D
HA6KVA/P 41,100- 256- 60-D
HA6KQD (HA6s QD,VV,XE,ops) 39,028- 256- 44-D
HA7KMP (+ ops) 25,327- 223- 43-D

Switzerland

HB9DDZ 11,850- 143- 30-A
HB9AAA 83,454- 386- 54-B
HB9AGA 189,896- 800- 79-C
HB9DX 38,400- 314- 48-C
HB9SAH 26,840- 226- 40-C
HB9RE 2,015- 71- 13-C
HB9DFY (+ HB9WV) 72,624- 450- 88-D

Italy

I0KHP 37,422- 345- 54-A
I4UPH 141,372- 832- 63-B
IK8AZG 100,140- 571- 60-B
IK8FEX 40,656- 466- 28-B
I4CSP 28,404- 260- 54-B
IK2DZN 28,035- 267- 45-B
I0KHV 27,588- 269- 47-B
IK2JEX 7,920- 225- 20-F
I0YEF 711- 31- 9-B
I08RFD 169,244- 1109- 58-C
I0ZUJ 61,712- 348- 58-C
I2VXJ 14,112- 224- 24-C
IK4GNK 3,072- 82- 16-C
I5ECW (+ I5JHW,I5QVS) 171,612- 894- 84-D

I4EPK (+ IT9RYJ) 123,717- 617- 69-D

Sardinia

IS0OMH 39,368- 520- 38-B

Bulgaria

LZ1KZM (LZ1UF,op) 8,855- 85- 35-A
LZ1LUP 284,752- 1092- 134-B
LZ2QV 63,714- 355- 74-B
LZ1RN 62,698- 502- 53-B
LZ2KEF 12,787- 684- 19-B
LZ3AK 283,200- 645- 100-C
LZ2VP 168,002- 879- 73-C
LZ1TA 83,997- 535- 61-C
LZ1MG 65,727- 380- 67-C
LZ2AG 36,766- 328- 43-C
LZ9A (LZ2s CC,DF,HE,PO,ops) 1,167,905- 2239- 185-D

LZ1KOZ (3 ops) 424,438- 1272- 99-D
LZ1KVZ (3 ops) 89,900- 672- 58-D
LZ2KSQ (3 ops) 28,905- 405- 47-D

Czechoslovakia

OK1AJN 138,980- 575- 90-A
OK2RU 102,102- 480- 77-A
OK1KZ 85,826- 517- 67-A
OK1KZD 61,714- 462- 59-A
OK3TEW 58,311- 341- 57-A
OK1LJ 47,475- 370- 45-A
OK1DZL 45,505- 315- 81-A
OK2BOP/P 28,275- 261- 39-A
OK1OTA 7,755- 95- 33-A
OK1DXS 5,866- 149- 14-A
OK2JS 583,636- 1263- 152-B
OK3CDD 24,428- 237- 36-B
OK1KJQ 20,250- 237- 30-B
OK3YK 18,600- 202- 40-B
OK2ZBY 14,424- 216- 24-B
OK3KV 7,740- 136- 20-B
OK2BOP 2,790- 82- 11-B
OK1AMF 195,738- 612- 102-C
OK2PCF 83,820- 485- 66-C
OK2HI 67,725- 382- 63-C
OK1KT 36,873- 205- 51-C
OK3CEL 33,320- 253- 49-C
OK1MNV 29,412- 275- 38-C
OK3CWF 28,880- 308- 38-C
OK1MZO 21,063- 146- 51-C
OK1MIH 20,387- 189- 37-C
OK3CVF 20,378- 212- 36-C
OK3CJW 20,220- 224- 30-C
OK3TAY 15,801- 243- 23-C
OK2KPS 14,430- 208- 26-C
OK3RDP 12,331- 278- 19-C
OK1MKU 9,021- 105- 37-C
OK1MIZ 8,487- 137- 23-C
OK3CQJ 5,853- 197- 23-C
OK3CDN 5,380- 100- 20-C
OK1AI 4,012- 42- 34-C
OK2PFP 3,680- 95- 12-C
OK1DHJM 2,680- 90- 20-C
OK1MVT/P 2,314- 74- 13-C
OK2PZZ 1,463- 42- 11-C
OK2PBG 1,299- 49- 10-C
OK3TUM 902- 44- 11-C
OK2PKN 584- 41- 8-C
OK1FBH 567- 23- 7-C
OK3CXS 560- 36- 10-C
OK3RDS 470- 28- 10-C
OK2BDI 184- 9- 8-C
OK6R (OK1s ADS,ALW,AWZ,RI,ops) 865,172- 2342- 138-D

OK1OAZ (OK1s BLN,DFP,ops) 420,630- 1317- 105-D
OK3KEE (+ ops) 307,944- 1137- 84-D
OK1KLV (OK1s DVZ,FDT,ops) 141,008- 654- 71-D
OK1ORA (OK1s AYD,2238,ops) 46,508- 421- 48-D
OK2KOD (OK2s BVA,WAZ,ops) 13,330- 93- 43-D
OK1KNC (+ ops) 11,400- 138- 24-D
OK1KAY (+ ops) 840- 34- 10-D

Poland

SP6CZ 79,134- 345- 66-A
SP2ZHB/2 78,498- 756- 42-A
SP9BRP 26,498- 245- 46-A
SP8EA/8 2,585- 75- 15-A
SP6ELAG 2,134- 100- 11-A
SP9LJD 227,304- 945- 82-B
SP1PWB 88,234- 439- 86-B
SP4HKR 15,980- 173- 38-B
SP6MLF 8,258- 116- 32-B
SP9MQD 6,175- 87- 25-B
SP8NVK/1 4,832- 132- 16-B
SP9AVZ 4,251- 140- 19-B
SP1DTG 3,430- 100- 14-B
SP5EMM 1,688- 89- 8-B
SP3JHY 1,485- 31- 15-B
SP8DVP 231- 19- 7-B
SP9MDY 186- 17- 8-B
SP6HEK 110,174- 583- 62-C
SP3HC 70,528- 412- 64-C
SP2NA/2 39,280- 169- 65-C
SP6CJQ 34,228- 322- 43-C
SP8TQ 26,381- 251- 37-C
SP7DTP 16,660- 200- 34-C
SP3LFR 392- 21- 8-C
SP5PBE (SP5s BYY,FKW,JTM,ops) 203,952- 826- 84-D
SP2ZFJ/8 (SP2s FAP,NW,ops) 122,128- 694- 88-D

German Democratic Republic

Y52WG 287,332- 918- 118-A
Y23CG 284,826- 880- 109-A
Y41RM 238,640- 850- 95-A
Y35VM 205,744- 894- 77-A
Y93ED 87,408- 547- 64-A
Y58WA 84,079- 369- 75-A
Y34SG 82,625- 392- 85-A
Y45RN 77,077- 368- 77-A

UP3BU	184,212-	833-	84-C
UP2BIC	117,150-	584-	75-C
UP2BZ	111,680-	648-	64-C
UP2BLQ	104,299-	541-	71-C
UP2PAQ	98,973-	596-	83-C
UP3BA	19,536-	268-	33-C
UP2PCF	9,082-	132-	23-C
UP2BB	7,463-	125-	17-C
UP2BNF	1,125-	71-	9-C
UP2BNL	1,098-	71-	9-C
UP1BWW (UP2s BAS, BIJ, BKW, BMW, BO, PX, 038-892, 038-1052, ops)	1,065,448-	1986-	176-D
UP1RZO (UP2s BOC, BMX, 038-348, 038-1751, 038-1787, ops)	612,294-	1554-	131-D
UP1BZG (UP2s BCO, BCW, ops)	125,255-	603-	65-D
UP1BYC (+ ops)	102,541-	547-	61-D

Latvia			
UQ2GFU	65,876-	573-	43-A
UQ2GMR	43,680-	422-	39-A
UQ2GHB	3,516-	135-	12-A
UQ2CR	8,738-	303-	41-A
UQ2GM	454,440-	1330-	105-B
UQ2GD	390,302-	1203-	113-C
UQ2GN	68,508-	427-	66-C
RQ2GIG	5,090-	175-	14-C
UQ2GEC	1,456-	36-	14-C
UQ1GWX (+ RA3DUU, UQ1GXX, UQ2-037-102H)	252,350-	885-	103-D
UQ1GWT (UQ2s GFB, 037-503, 037-379, ops)	74,690-	339-	97-D
UQ1GYT (UQ2s GLZ, GOB, GON, ops)	13,916-	510-	32-D

Estonia			
UR2RIY	74,948-	692-	41-A
UR2RMI	344-	13-	8-B
UR2RN	114-	18-	3-B
UR2RND	74,152-	294-	92-C
UR2RQ	16,120-	248-	26-C
UR1RWX (UR2s RJ, RNJ, 063-165, ops)	13,520-	168-	28-D
UR1RXT (3 ops)	11,469-	325-	29-D

ZONE 30			
European Russian RSFSR			
UA4WEJ	135,415-	585-	71-C
RA4NBG	39,728-	298-	52-C
UA4FJP	6,210-	138-	18-C
UZ4WWB (5 ops)	358,530-	1095-	102-D
UZ4WWG (UA4s 095-663, 095-722, 095-754, ops)	302,511-	1012-	63-D
UZ4WWF (UA4s 095-528, 095-759, 095-760, 095-825, ops)	70,290-	557-	55-D

Asiatic RSFSR			
UA9TS	791,028-	1386-	126-A
UW9CO	515,260-	1003-	111-A
UW9UW	126,750-	396-	75-A
RA9FA	126,453-	494-	61-A
UZ9CVP	76,228-	470-	34-A
UA9FAR	42,254-	266-	37-A
UA9MR	19,175-	87-	65-A
UW9LA	102,024-	586-	38-B
UW9WB	86,281-	257-	17-B
UA9CE	80,190-	396-	45-B
UW9CL	80,080-	361-	52-B
UA9CAW	32,736-	234-	33-B
UW9FR	19,120-	174-	24-B
RA9SVT	353,632-	994-	86-C
UA9ACV	226,561-	691-	71-C
UA9CM	81,600-	315-	60-C
UA9FGJ	78,008-	350-	49-C
UA9SGN	72,546-	311-	55-C
UA9CGL	67,595-	300-	55-C
UA9SAW	66,788-	300-	39-C
UA9JH	65,312-	507-	28-C
UA9MIL	59,031-	367-	42-C
UW9AZ	48,831-	161-	41-C
RA9AE	35,280-	374-	21-C
UW9CZ	33,220-	226-	35-C
UA9AKS	29,295-	301-	21-C
UA9CPC	25,496-	264-	30-C
UA9ACV	8,640-	120-	15-C
UA9AMF	975-	21-	13-C
UZ9WWH (RA9s WR, WW, RV9WA, RW9s WA, WW, UA9WD, UV9WR, UW9WK, ops)	1,296,700-	1912-	150-D
UA9AYA (UA9-064-422, UM8NR, UW9s AA, AN, AR, AW, AX, ops)	1,055,502-	1798-	126-D
UZ9CWW (UA9s CDC, CHR, CIR, CIV, ops)	853,999-	1367-	133-D
UZ9CXE (RA9CQE, UA9s CMC, COB, CPJ, CSS, UV9CP, ops)	818,748-	1572-	114-D
UZ9WNS (5 ops)	710,991-	996-	153-D
UZ9PWR (UA9s FF, FM, FAL, FX, ops)	685,462-	1228-	118-D
UZ9CYP (UA9s CKF, 154-2105, ops)	76,228-	470-	34-D
UZ9MWJ (UA9s MAC, MGX, ops)	67,804-	317-	44-D

Turkmenistan			
UH8BG	11,132-	225-	22-B

Uzbekistan			
UI8ZAA	146,594-	479-	74-B
UI8AFN	27,482-	241-	26-B
UI8BI	255,240-	793-	72-C
UI8AHA	19,186-	387-	34-C

Tadzhikistan			
UL8JA	139,388-	390-	78-C
UL8AQ	11,725-	118-	25-C
UJ9JWA (UJ8s JW, JQW, UJ9SA, ops)	323,831-	1027-	71-D

Kazakhstan			
UL7BO	135,415-	451-	79-A
UL7OB	253,532-	632-	93-B
UL7CW	540,388-	1132-	106-C
UL8YA (UL7s LEG, LEN, LER, LEZ, 026-576, 026-733, ops)	775,224-	1575-	108-D
UL8CWW (+ ops)	399,369-	889-	99-D
UL8LWU (RL7LCU, UL7s LBK, LDR, LGT, 029-513, ops)	148,600-	658-	50-D
UL8PZZ (UL7s PCU, PEA, PEO, 023-68, 023-578, ops)	130,572-	636-	52-D

Kirghizia			
UM8MO	303,620-	757-	94-B

ZONE 31			
Asiatic RSFSR			
UA8YX	562,275-	1230-	105-B
UA8YIE	84,367-	307-	69-C
UA9QA	57,708-	360-	38-C
UA9JPG	26,004-	274-	22-C
RA9Y	11,664-	174-	16-C
UZ9OWD (UA9s -145-168, -145-294, -145-338, UA9-103-554, ops)	280,080-	816-	72-D
UZ9HWW (3 ops)	240,968-	1132-	52-D
UZ9YXO (+ ops)	178,469-	568-	59-D

Kazakhstan			
UL7CF	4,118-	77-	12-A
RL7JA	16,038-	130-	33-B
UL7DA	14,450-	101-	34-B
UL8GBI	36,500-	339-	25-C
UL8GBV	31,314-	318-	34-C
UL8GWC (UL7s -190-28, -198-51, -198-53, ops)	5,811-	105-	13-D

Kirghizia			
UM8MIZ	74,462-	336-	52-C

ZONE 32			
Asiatic RSFSR			
UA8VW	43,227-	358-	27-A
UA8SAU	459,200-	942-	112-C
UA8BL	58,635-	319-	45-C
UA8SY	6,878-	142-	17-C
UA8XX (UA8s AMA, AGI, 103-218, 103-235, 103-712, 103-729, ops)	608,894-	1350-	99-D
UZ8OWA (UA8s OCK, OCS, -985-144, ops)	57,365-	270-	56-D

ZONE 33			
Asiatic RSFSR			
UA8QHP	41,000-	218-	50-C
RA8JD	29,550-	170-	50-C
UA8FJ	23,622-	180-	31-C
RA8J	1,500-	34-	15-C

ZONE 34			
Asiatic RSFSR			
UW8LI	37,088-	285-	32-A
UA8FF	80,150-	335-	70-B
UV8EX	11,286-	109-	27-B
UW8LT	411,584-	886-	118-C
UA8LKG	92,460-	405-	60-C
UB8FDG/UA8L	90,790-	361-	70-C
UA8LJ	80,354-	266-	83-C
UA8LT	5,044-	66-	28-C
UZ8FWI (UA8s FFM, FFT, FM, ops)	218,896-	740-	78-D
UZ8IWA (3 ops)	31,188-	192-	46-D

ZONE 35			
Asiatic RSFSR			
UA8ZF	171,836-	555-	76-A
UA8ZDD	116,504-	367-	82-B

Canary Islands			
EA8AMX	13,440-	68-	32-B
EA8TE	4,500-	90-	10-B
EA8SIE	52,128-	218-	46-C
EA8BIJ	8,551-	105-	17-C

Portugal			
CT1AEO	5,985-	93-	21-A
CSSQF	23,288-	180-	41-B
CT1BWW	22,473-	175-	33-B
CT1DIZ	9,782-	100-	34-B
CT1BSY	2,720-	57-	17-B
CT1CWT	9,982-	160-	23-C

Spain			
EA3FWE	6,517-	115-	18-A
EA1BGT	90,740-	573-	52-B
EA2CR	23,256-	189-	57-B
EA3DRO	21,960-	223-	30-B
EA3CPH	20,372-	143-	44-B
EA3JC	13,767-	115-	39-B
EA5FHT	12,798-	159-	27-B
EA5EFV	11,256-	88-	42-B
EA5FYE	10,415-	256-	30-B

EA5BZ\$	10,048-	108-	32-B
EA3FNI	8,988-	105-	28-B
EA3ELZ	3,866-	99-	13-B
EA1AHA	2,464-	58-	16-B
EA7BYM	988-	88-	11-B
EA3FXU	364-	20-	7-B
EA3EQU	19,872-	255-	27-C
EA3EJG	10,110-	226-	16-C
EA7AZA	1,752-	38-	12-C

ZONE 39			
Israel			
4X11F	106,737-	477-	47-A
W3FYT4X	40,185-	198-	45-A
4Z4HS (4X6I + 5 ops)	31,400-	392-	50-D
4X500Q (4X5DK + 3 ops)	4,781-	139-	7-D

Cyprus			
H25MF (5B4MF, op)	962,388-	1544-	134-B

ZONE 41			
India			
UJ2TJW	19,390-	140-	35-A
VU2UR	14,404-	138-	26-A

ZONE 44			
Korea			
HL1ABF	53,550-	385-	42-B
HL1HP	41,514-	248-	51-B
HL4J (HL1AYE, op)	8,424-	222-	13-B
HL1EP	60,444-	354-	46-C
HL1K (HL1AXK, HL2IDN, HL3E1, HL4CGI, ops)	65,773-	395-	53-D

ZONE 45			
Japan			
JH1YDT (JH4UTP, op)	257,670-	679-	90-A
JE1AER	78,462-	389-	54-A
JA8EZF	63,232-	292-	52-A
JA2UOT	56,580-	262-	56-A
JA8RPU	10,952-	332-	77-A
JN1AIF	7,130-	182-	23-A
JH7BMF	6,440-	78-	28-A
JA6NKZ	5,321-	83-	17-A
JA1AAT	4,905-	79-	15-A
JA3UW	3,872-	54-	27-A
JA2QVP	1,404-	24-	19-A
JO1LDY	648-	20-	8-A
JH3DPB	81,484-	345-	82-B
JH4UYB	85,464-	359-	56-B
JAZBNN	34,752-	222-	39-B
JABAD	14,616-	122-	29-B
JA1BUI	10,230-	99-	30-B
JA2BEY	8,004-	68-	29-B
JA1S93	6,960-	56-	30-B
JH1UUT	5,640-	100-	20-B
JL2CE	3,213-	51-	21-B
JL1MWI	3,008-	98-	16-B
JF1OZD	1,350-	32-	15-B
JF6LGE	1,335-	27-	15-B
JE7SLC	1,084-	29-	12-B
JE1FEV	480-	24-	8-B
JA1MCC	364-	14-	6-B
JA8DUJ	222-	9-	6-B
JR3KAH	160-	10-	5-B
JM1WBE	84-	5-	4-B
JG3DOR	64-	9-	4-B
JE1TTO	44-	5-	4-B
JH7WQJ	385,700-	799-	118-C
JH7BOT	156,384-	512-	72-C
JA3UWJ	78,616-	290-	62-C
JE7JZC	51,800-	260-	60-C
JA5ARM	32,148-	146-	57-C
JA6CV	24,680-	132-	44-C
JR7JJP	23,256-	380-	19-C
JR7OMD/2	23,835-	119-	45-C
JH6TYD	19,823-	133-	43-C
JA1WYQ	15,293-	107-	41-C
JR3XEX	8,860-	132-	17-C
JH3JVS	8,894-	113-	18-C
JA3EEM	8,890-	81-	25-C
JA7ASD	6,852-	63-	24-C
JA1OJRM	5,552-	56-	29-C
JA8EJ	6,432-	66-	24-C
JA6AJE	6,210-	62-	27-C
JO1QZI	5,824-	54-	24-C
JA5AF	5,148-	68-	18-C
JG2LGM	4,532-	54-	22-C
JA4FMS	3,971-	49-	19-C
JS1OSP	2,520-	36-	18-C
JG3SVP	1,740-	86-	10-C
JR1RIS	1,391-	29-	13-C
JA6BWH	1,352-	26-	13-C
JA1BWW	1,241-	24-	17-C
JA2WF	1,001-	23-	11-C
JA7MWC	803-	19-	11-C
JA2SAP1	748-	18-	11-C
JA1NVV	708-	15-	12-C
JE3CH	640-	16-	10-C
JA1AAV	448-	14-	7-C
JA2KVP	189-	7-	7-C
JK1LUY	100-	7-	4-C
JA3YBF (JE3YAP, JE8XJ, JH9s GRK, GRM, JFH, JO1IP, JR8AWR, ops)	628,201-	1213-	119-D
JA1YWX (JQ1BMV, JZ3GUT, JN3PYQ, JA6-9338, ops)	507,596-	1040-	113-D