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By Billy Lunt, KR1R
Contest Manager
and
Al Gordienko, K1PI
Assistant Contest Manager

1996 IARU HF World Championship Results

Are the sunspots starting to come back? It sure looks that way! When the contest started, it was just like someone turned on the big propagation switch. The bands jumped to life! Band conditions went from poor to great in a matter of minutes. Can it really be true that all the contest-generated RF that beats away at the ionosphere really makes a difference? If not, it surely seems that way. Everyone participating in this year's contest was definitely happy with the band conditions, especially on the high bands.

Ten meters was a real surprise. No one was expecting the band to open at all, but when you tuned across 10 meters, you knew this was the place to be. There were some really good openings reported from all over North America to Europe—even from the West Coast. Maybe the European signals weren't quite as strong in the west, but they were still workable. Also, signals from Asia and Oceania were booming in on the West Coast. The top-scoring North American stations had no problems making 200 QSOs or so on the band, and the top-scoring European stations were averaging 300 QSOs on 10 meters. How did you stack up against the winners?

Fifteen meters was another great surprise. Good band openings were reported on 15 meters from just about everyone. With

10 meters wide open, one would only expect 15 to be productive—and it sure was. Europeans were easy picking from eastern North America. If you didn't find a few multipliers on 15 meters, you weren't looking very hard. They almost fell into your lap. The top-scoring stations were working an average of 400 to 500 QSOs on 15 meters.

Twenty meters was, as usual, the bread and butter band. One could really rack up the score there. Twenty was open to somewhere for the entire contest. A thousand QSOs or more—and 60 multipliers—wasn't out of the ordinary for the top-scoring stations. Even folks in the middle of the pack were turning in totals of 500 QSOs and 30 multipliers on 20 meters. Nothing makes a contest more enjoyable than having good band conditions and plenty of stations to work.

Participation increased an incredible 35%

over last year's contest! The great band conditions this year surely played a major factor in attracting people into the contest, but one can only attribute a large share of the popularity for this year's contest to the World Radio Team Competition. There were 52 teams competing in the WRTC. Those folks came to the San Francisco Bay area from all points of the globe to test their contesting skills and be ranked against the best contesters in the world. It was exciting to tune around the bands and see how many of those teams you could work. The WRTC teams didn't quite fit the rules for the contest, so we listed them all together at the end of the score listings. Each and every team did a great job. Our hats are off to them all!

Another popular group to look for are the IARU Society Headquarters Stations. This year we had 19 HQ stations submitting logs. We don't think anyone had trouble finding at least a few of these stations to work—they were all over the bands. The German crew at DARC, after slipping to fifth place last year, came back for revenge. They slipped by the Hungarian crew at MRASZ for a first place finish. The Slovaks finished third with less than 3k points between them and MRASZ. W1AW/3 did a great job this year, finishing tenth place among the HQ stations. This year's W1AW/3 effort was from Frank Donovan's superstation, W3LPL. In 1997 look for W1AW/7 from Rush Drake's station, W7RM, in Washington.



Dennis, AA7VB (now K7BV), activated the Aruba station of Carl Cook, AI6V, as P40Z.



Krzysztof, SP6DVP, single-operator, phone-only.

Top World Scores

Mixed Mode

Call	Score
ZD8Z	2,103,090
(N6TJ,op)	
SN2B	1,445,994
EU1AZ	1,107,000
V26B	1,106,170
UA3RAR	1,096,458
W9RE	1,025,164
YT1AD	1,017,720
EX2M	988,038
K8AZ	983,785
(K8NZ,op)	
K2SX/1	975,966

Phone Only

Call	Score
O17LNI	1,342,696
5N0T	1,052,440
H2T	1,012,772
(5B4XF,op)	
IO6F	853,216
(IK6BOB,op)	
OT6A	851,489
TM1C	828,360
G6W	817,028
(G4JVG,op)	
UY7E	801,529
UT0D	722,904
(UT7DX,op)	
DL8PC	718,900

CW Only

Call	Score
YT1BB	1,422,282
SP7GIQ	1,202,870
OH1NOR	1,196,516
LY5W	1,159,950
W2SC	1,146,072
RU1A	1,105,643
(RN1AM,op)	
C47W	1,096,050
(5B4WN,op)	
3V8BB	1,078,990
(DK3DM,op)	
OH5NQ	1,067,871
US1E	962,920

Multioperator

Call	Score
HGM1H	3,354,250
U05J	2,058,308
RN4W	1,911,832
RU6LWZ	1,556,784
RZ3Q	1,480,414
RA6Y	1,478,000
IR4T	1,410,768
C40M	1,389,280
SL0CB	1,260,290
RK9AWN	1,259,881

Top W/VE Scores

Mixed Mode

Call	Score
W9RE	1,025,164
K8AZ	983,785
(K8NZ,op)	
K2SX/1	975,966
AA4NC	707,427
K0RF	651,922
WZ4F	594,270
N9AG	589,064
(at WB8ENR)	
N2PP	573,000
N5DX	483,426
K9ZO	462,840

Phone Only

Call	Score
WB5VZL	623,700
VE6JY	618,184
KQ3V	528,640
K5XI	520,416
WB2NQT	464,424
WA7FOE	423,864
K4VUD	376,124
N4UH	369,946
WB1GQR	350,208
(WB2JSJ,op)	
KM6YX	270,144

CW Only

Call	Score
W2SC	1,146,072
N6BV	962,352
K5GN	960,642
W1WEF	958,300
G4VXE/VE3	878,152
K4PQL	877,600
W0SD	677,084
(WD0T,op)	
K1VUT	644,832
W3BGN	583,628
K8GL	577,896

Multioperator

Call	Score
KN2T	828,212
W7OM	793,800
N3BB	699,875
NC0P	684,894
WT2Q	669,700
W6REC	586,460
K2LE	575,960
WA2UKP	568,562
KA4RRU	531,069
N4KE	528,364

IARU Headquarters Stations

DA0HQ (DK4WA,DK7YY,DL1s AOB,ASA,AUZ,AWI,DTL, EMY,DL2s EBX,RUM,SAX,DL3s ALI,APO,DXO,OI, RMA,TD,DL4LI,DL5s ANT,AOL,AOM,AWI,AXX, CW,DQZ,MX,XU,DL6NED,DL7s UBA,UTM,VOA,VRO, DL8s AKA,AUA,Ayi,OB,CL9AWI,ops)	8,572,311	10837	297
HG96HQ (HA1s FF,WD,YA,HA2RX,HA4YD,HA5s AHW, BGG,BSW,BWW,CKO,CQA,FM,GF,IW,M,ML,OM,TI,UA, HA6s DX,FQ,IAB,ND,NF,NL,NQ,NY,OB,OI,OL,ON, OO,OQ,PN,PX,VH,VR,WQ,WX,ZS,ZV,HA7s JES,PO, RY,VB,HA8s IB,IE,KE,HA9AX,ops)	8,273,232	9254	297
OM6HQ (OM3s KAG,KAP,KCM,KEG,KFF,KFO,KII,KTY, RJB,RKA,RMM,ops)	8,270,572	9436	302
YP0A (YO2s ADQ,AUN,BBT,BP,BV,DFA,GL,IS,LDC, YO3s AC,APJ,AWC,CDN,FRI,FU,YO4s AB,ATW,DIH, HW,SI,WP,WZ,XF,YO5s CRI,DMB,TE,YO6s AWR, GCW,YO8s BAM,ER,SS,TU,VW,ops)	7,159,356	7627	284
S50HQ (S50s K,N,S51s AY,IX,OI,ZO,S53BM,S54E, S55A,S57s A,AD,DX,W,S58A,ops)	6,741,878	8195	286
YU0HQ (YU7s AC,AL,AO,AV,BJ,BW,CB,CM,JX,GO,GP, GW,LM,NW,OA,YG,YT7s AO,KF,TY,YZ7AA,4N7s CA, DW,ZZ,ops)	6,286,251	8065	281
LY0HQ (LY1s AM,BA,DC,FW,LY2s BKW,BTA,MW, PAJ,LY3s JY,MM,LY4CW,ops)	5,782,368	6781	268
EM5HQ (UR3QT,UR5s IFB,IFS,UR7QM,UR6IM, US1TU,US2s IES,IMA,IR,US3IZ,US8ID,UT1IA, UT2s IA,ID,II,IJ,IM,IO,IV,IW,UT8s IM,IT,UX8IX, UY5ZZ,US-1-603,US-1-604,US-1-700,ops)	5,566,946	6216	259
OL9HQ (OK1s AEZ,CM,DF,DRU,EF,FDY,FIA,FKD, FUA,MD,MM,MR,PD,RR,RZ,TA,WF,WK,OK2s BMA, DB,HI,LE,ON,PLK,PO,UO,ops)	5,547,856	7111	268
W1AW/3 (AA3NM,K3s DI,NA,RA,KA2AEV,KJ4VG, N3s ADL,QYA,N5OKR,ND3s A,F,W3s LPL,MR, WA3WJD,WB4NFS,W2MH,W3K,WR3s E,Z,ops)	5,138,721	8017	243
PI4AA (PA3s BBP,DZN,EOB,ERC,EWP,FRN,FQA, GXF,PB0AIC,ops)	3,547,668	4312	229
SK0HQ (SM0s DRD,JHF,KCO,TQX,ops)	2,167,104	3281	192
ON4UBA (ON1s BMY,DBH,DDX,DEA,DFX,KAV, LDT,LHP,LJP,LOU,MAQ,WI,ON2BAK,ON4s AJZ, BG,CAT,CCC,KEP,KFM,KGL,KGP,KHG,KMB,KRO,KV, LAI,LBH,LBV,LD,PX,RO,ZA,ON5s EE,HY,KJE,PJ, PO,PV,SV,YI,ON6s BL,BV,EV,MR,RO,SR,VC, ON7s CC,DR,EM,MW,RN,SS,TP,ON9CFG, ONL7526,ONL8429,ONL8594,ops)	2,096,082	3472	207
GB5HQ (G4s BAH,PIQ,G0WCW,ops)	1,777,360	2776	176
ER7A (ER1s AP,BAA,DA,LW,OO,ER3s AL,DXKS,OO, ER5s AA,AL,ops)	1,249,545	2655	165
8J3XHQ (JA3s MAU,NDM,JG3RPL,JH3HOA, JI3XOM,JJ3WPF,JP3s DZA,LKR,TEN,ops)	172,656	1056	88
EI0RTS (EI3DP,EI4BZ,EI6BT,EI7DNB,ops)	81,111	423	57
VY1RAC (VY1JA,op)	62,156	472	41
HS0AC (HS1s CHB,CKC,JQP,ops)	33,212	248	38

Because quite a few of the top-ranked contestants competed in the WRTC, there was room for some new faces at the top of the score listings this year. Jim, N6TJ, traveled to his favorite spot for contesting—Ascension Island—for his first single-operator, mixed-mode win. Jim is not a newcomer at winning contests, but this is his first victory in the IARU HF World Championship. Kazimierz, SN2B, with a terrific effort from Poland, placed second, edging out five other contenders by scoring over a million points. In the single-operator, phone-only category, Finland's Ari, OI7LNI, topped Africa's best—Pat, 5N0T—for a win. CW was a real shootout, with the top nine contestants scoring over a million points each. When the dust cleared, Valdan, YT1BB, finished in first place, with Sobon, SP7GIQ, right on his heels to place second. Using a special prefix for Hungary, the crew at HGM1H easily took top honors in the multioperator category. The Ukrainians at UU5J finished in second place.

There were a few US stations breaking into the world top ten. Mike, W9RE, from Indiana, finished in sixth place in the world, mixed-mode, and first in the US. Tom, W2SC, from his new QTH in Kansas, finished in fifth place in the world on CW and in first place in W/VE on CW. Other US winners were George, WB5VZL, on phone and the multiop crew at KN2T. The top-ten boxes give you the full details.

If you're looking for something to do next summer, try the next IARU HF World Championship—July 12-13, 1997. It's a lot of fun, and you won't be disappointed that you gave it a try. It's an easy way to earn some wallpaper, too—250 QSOs or 50 multipliers earns a certificate for your efforts. See you in July!

SOAPBOX

I should send this log in as a multioperator, because Murphy was sitting beside me the entire time, it seemed. I lost two out of three rotators. A ring rotator failed to stop, and ripped the coax out of my second radio's tribander, so I was forced to use a single radio for most of the contest. I had fun chasing the WRTC stations, but the rotator problems obviously hurt my score as compared to past years (AA4NC). It was nice to work in the contest after an inactive gap of almost 10 years. The WRTC stations added a lot of fun. The only question—why does my power ampli-

fiers always blow up in a pile-up? I would rather work stations than mess with fixing power supplies! (AB5GY). My highlight was working W6V on 20 meters for my only WRTC QSO (EI5DI). Our score was down from last year—we hope conditions will start to get better (G0NKL). I never expected 10 and 15 meters to be so good. Lots of surprising openings, with plenty of signals, in and near the noise level. A real challenge. There were no spare decibels to work the WRTC gang from the East Coast! (K1JKS). Amazing how much better the bands sound during a contest! I really enjoyed working the WRTC boys (K5GN). I had fun, using a special prefix for the Olympic Games in Georgia. It sure made for a long call sign, though (KB4GID). All operators reported an excellent spirit among the participants. One of the most enjoyable moments was the excellent opening on 10 meters, most unexpected but very good for the score. The UBA will try to participate again in 1997, so C U then (ON4UBA). Glad to participate again this year; I had to skip last year because of a holiday in VK, with no transmitter available. There was a remarkable improvement in conditions when the contest began. However, some operators have peculiar watches—two or three minutes after the contest ends they are still making QSOs (PA0MIR). Six hours into the test, the power supply of the Omni started to trip at 20 W output. I had to use the old FT-757 (barefoot) for the rest of the time. It was nice to see 10 meters open for short skip. I heard only two of the WRTC stations on 20 meters, then couldn't get through the pile-ups to them (PA0RGT). Nice to be on this year! Especially when 28 MHz opened up! I was surprised to work California with 100 W and a dipole (SM5AJV). The Californian three-digit calls were a surprise. I wished I had such a short call sign, too! This was my 402nd contest (VK2APK). In spite of a severe lack of propagation for much of the contest, we had a real fun time on our 11-day DXpedition. Our beachfront QTH was superb! Our stay came to an end much too soon (ZK1AAU). FB conditions on the high bands. Great to hear 10 meters open to Europe. I was really surprised to see a European sunrise opening on 15 meters at 2 AM local time. It doesn't look like the WRTC teams missed much by not being on 80/160 meters (K4PQL). Strange propagation—10 meters was wide open to stateside! Late after midnight, I was still working 20 meters. Enjoyed the contest (PA3FNE). The big surprise was finding 15 meters open to JA, VS6, YB and DU for several hours (from 1 to 3 AM local time). I picked up several multipliers as a result. This continues to be one of my favorite contests. I love the 24-hour format instead of 48 hours. The WRTC was an "interesting distraction" that led to a lot of low-point QSOs. In the future, I think "in-zone" WRTC QSOs should count 2 points (N0DH7). This was the trial run for my new FT-1000MP. The rig worked great, but my strategy was poor. I played it too much like an SS, resulting in a poor QSO point total (N4BP). I started to worry early in the contest, when I was working only W/VE stations. I almost had to check the calendar to make sure this wasn't Sweepstakes! Things finally opened up and I was thrilled to work a nice 10-meter opening into Europe! (N3BDA). Propagation was relatively poor, but I still had a



The operators of HQ station LY0HQ (at LY2ZZ, formerly UP1BZZ) (l-r): LY2BKW, LY3JY, LY2PAJ, LY4CW, LY3MM, LY1DC, LY2BTA, LY2MW, LY1BA and LY1FW.



Marc, OT6A (ON4MA, op), finished in first place, phone-only, with 851k points.



Berkin, TA3J, operated phone-only, handing out Zone 39 multipliers.

good time. This was the first IARU contest for me, and I'll be back for more (VK1FF). The WRTC event in this contest made it one of the most enjoyable contests ever for me! (WI0R). A good contest for the low part of the sunspot cycle—I had a blast! Weak signals from Europe, but strong signals from Asia and VK (KI6OY). I was very surprised about the 10-meter opening to the USA in the evening, and was lucky enough to work a couple of US stations. It was a good thing that I looked on 10 meters! (DL1JF). Great contest! WRTC stations really made it fun—partially because they were all over the bands, and because their weak signals on the East Coast made working them more of a challenge (W3HDH). Unexpectedly great conditions on 10 and 15 meters—

incredible sporadic signals from Europe almost all day and night (K2LE). Always a fun contest, even in the summer doldrums. The addition of the WRTC teams added spice. I just wish conditions were better, so I could make a better showing with my very modest station (K8QLK). I apologize to 1x1 stations for skeds missed. Murphy ate my coax and then my computer interface for CW. Never run a call sign that is the same as the multiplier you're sending—too many repeats (VY1RAC). It was fun working the excellent operators at the WRTC stations—even more fun than looking for multipliers. This resulted in a low score, but a new deck of playing cards (AD8J). A great time! The WRTC people made it interesting—a great bunch of operators out there! All of their signals were quite "even." No Europe on 80 this year because of conditions and QRN. Ten meters made up for it. Loved that surprise European opening! (K8GL). Conditions were a great surprise. It was exciting to work Ws on 10 meters at 2100Z and on 15 meters at 0000Z. See you next year with the OM7HQ call sign (OM6HQ). A great contest, and all operators had a good time. We were surprised with the 10-meter opening to Europe. We hope conditions will be better next year (KN2T). Worked all 52 WRTC-96 stations on 20 meters, with only 100 W and a dipole. I had loads of fun and really like this contest (AG7J). Where were all the JAs? Very poor DX conditions for me. Heard only one European, but he couldn't hear me. Did manage to work 36 of the 1x1 special calls, some on both 20 and 40 meters (KE6UP). What a great contest! It had everything, from WRTC call signs to a surprise 10-meter opening when nobody thought it could happen. Far too much noise on 160/80 meters to do much, but the higher bands made up for it. Got 37 of the 52 WRTC teams plus the two wildcards, AH3C and AH3D. The 24-hour format and ability to work anyone make this



This was the first 24-hour continuous effort in the contest for Paris's H2T (5B4XF, op). He thoroughly enjoyed it, and promises to be here next year for sure.

a great contest! See you next year (WB2NQT). I broke off operation to chase WRTC stations and made 44 QSOs with them, all on 20-meter CW. Conditions were fantastic! It was amazing to work the USA on 10 meters for much of the night! (M6Q). Enjoyed it, as always. I tried two radios for the first time, which was dismal failure because of mutual interference. Hope to see better HQ station participation next year (AA3HM). A modest beginning has been made by ARSI to take part in the IARU contest. We hope we can do better in the coming years (VU2UR).

Scores

Scores are listed by ITU Zone and then by country, ARRL section, or Canadian province within the Zone. Line scores indicate call sign, final score, QSOs, multipliers, and entry class (A = single operator, mixed mode; B = single operator, phone only; C = single operator, CW only; D = multioperator, single transmitter). WRTC teams used a different scoring system.

Zone 1

Alaska

KL7Y 153,680 532 85 A
WL7DB 33,176 206 44 C

Zone 2

Alberta

VC6JQ (VE6JO,op)

284,958 1120 81 A
VE6WQ 155,968 782 64 A
VE6FR 94,128 404 74 A
VE6JY 618,184 1370 133 B
VE6IM (VE6LDX,op)

79,680 401 64 B
VE6ZA 47,850 300 55 B
VE6EX 119,192 828 47 C
VC6BF 104,704 491 64 C

British Columbia

VE7FJE 31,080 257 38 A
W6AQ/VE7 29,995 275 35 A
VE7YJ 19,950 139 42 A
VE7JMN 81,487 539 49 B
VE7XO 19,424 119 32 B
VC7SBO (VE7SBO,op)

240,109 212 35 C
VE7CFD (VE7s CF, CQK)
189,275 915 67 D

Zone 3

Manitoba

VE4YU 46,109 305 49 A
VE4RP 12,870 145 26 B

Saskatchewan

VE5SF 85,376 608 46 A

Zone 4

Quebec

VC2AWR 124,320 530 74 A
VE2SAI 12,769 106 37 B
VE3ST 50,050 313 50 A
VE2EM 30,134 261 38 C
VE2FFE 7,450 100 25 C
VE2ABO 582 97 6 C

Ontario

VE3RM 411,290 1087 110 A
VE3KP 113,230 551 67 A
VE3ST 50,050 313 50 A
VE3CWE 29,536 178 52 A
VE3KZ 6,000 250 8 A
VE3VET 2,450 90 7 A
VE3HX 1,920 42 12 A
VE3WIB 143,040 750 60 B
VA3WTO 129,350 783 50 B
VE3SRE 66,700 364 58 B
VA3SWG 38,988 340 38 B
VE3OBU 11,370 248 15 B
VE3DNR 4 2 2 B
G4VXE/VE3 878,152 1687 136 C
VE3OSZ 60,830 263 70 C

VC3AT (+NET) 204,960 870 70 D
VA3NR (+NET) 65,728 327 64 D

Zone 6

W6

East Bay

NP4IW 43,472 360 44 A
W6GPM 12,796 211 28 A
KI6OY 8,352 148 24 B
N6OIK 2,431 51 17 B
W6EMS 455,700 1361 105 C

Los Angeles

KJ6HO 376,225 1291 101 A
K0 DI 207,759 1025 69 A
KC6X 136,598 508 77 A
N6GL 32,214 340 39 A
N6GN 10,025 123 25 A
K6MEY 270,144 1002 96 B
K06ES 25,124 229 44 B
W6OK 15,718 159 29 B
NA2D 12,716 154 34 B
W6BNM 33,026 272 49 C

Orange

W6AFT 21,105 258 35 A
N6CMF 19,260 276 30 A
W6TKV 29,328 276 39 B
KE6UP 11,340 155 36 B
K6HRT 68,423 469 53 C
W6EEN (+K6XC, W6ORD)
18,164 306 38 D

Santa Barbara

W6TKF 29,485 891 97 A
W7CB 4,212 92 18 A
W6FGV 145,026 854 63 C
W6BKY 37,850 288 50 C
N6VR 21,692 205 44 C

Santa Clara Valley

N6IP 195,760 956 80 A
AA6EG 95,040 582 60 A
W6PLJ 22,680 252 42 A
KG6AO 6,000 102 25 A
N1EE/6 312 78 4 A
N1ET (+NET) 38,272 380 32 D

San Diego

WN6K 141,900 772 66 A
W6AUFY 5,104 115 16 A
W6CN 49,920 268 64 B
N6KI 293,328 1018 97 C
AA6EE 4,928 120 22 C

San Francisco

VE7AHA/W6 9,050 287 25 A
W6BLLY/6 2,054 136 13 A
W6OEM 4,420 84 20 B
WW6D 27,972 272 42 C

San Joaquin Valley

N6MI 314,496 1202 84 A
KD6MOS 45,540 345 44 C
NK6F 21,420 270 35 C
KB6HRB (KB6s AID, JBY, QNP, UCN,
KE6ZAK, KF6s ARN, DDT, DST, ops)
31,960 283 40 D

Sacramento Valley

N6WR 19,314 266 29 B
K6DR 19,635 145 35 C
K6FO 10,411 145 29 C
W6REC (+S51EA, S57AW)
586,460 1594 118 D

W7

Arizona

KC7EFP 113,951 551 69 A
N7UJJ 34,151 295 37 A
AA7VY 93,744 656 54 B
KD4HXT/7 12,420 256 27 B
W7YS 40,341 345 51 C
N7JXS 18,972 271 31 C
NN7A 1,584 100 12 C

Eastern Washington

N0DH/7 287,823 837 111 C

Idaho

AAUWO 22,737 283 39 A
KJ7TH 66,150 401 70 B
W7LOU 600 42 10 B
W7ZRC 202,440 884 70 C

Montana

K57T 107,331 593 57 A

Oregon

K17Y 33,516 420 42 A
AG7J 22,916 310 34 C

Utah

AB7GP 5,512 166 13 A
K17ST 3,255 163 15 A
AF7O 23,790 268 39 B
W6HXE 22,902 270 33 B
KJ7TO 660 38 10 B
W7HS 20,615 210 31 C
KJ7BD 2,000 72 10 C
K6XO/7 (+AB7GM, K17WX, W0MHS)
316,110 1171 82 D
W7J (+N7KEC) 260 52 5 D

Western Washington

W7LZP 116,795 507 71 A
N7LOX 102,501 577 63 A
K4K 4,300 79 20 A
W7FOE 423,864 1360 116 B
N7DOE 11,016 248 17 B
KJ7OT 6,739 173 23 B
W7OIN 79,110 625 54 C
W7UUVJ 39,100 402 46 C
KF7QF 3,674 65 22 C

Zone 7

W5

Arkansas

AB5SE 52,000 354 50 A
KJ5WX 34,110 254 45 A
KM5G 159,390 719 66 C
N0SW 12,663 161 27 C

Louisiana

KZSD 383,402 1103 106 A
K5UA 191,922 586 87 A
NZSO 140,049 559 81 A
KZ5Y 33,345 255 45 A
KM5AV 37,030 257 46 B
K5MC 55,854 307 58 C
W5KNC 12,824 170 28 C
N5OZB (KJ5s SU, SZ, ops)
312,864 1033 96 D

Mississippi

W5OYU 285,685 909 104 A
N5ODE 66,164 317 68 B

New Mexico

K7UP (KN5H,op)

488,355 1437 105 C
32,964 300 41 C

North Texas

W5FO 217,152 820 87 A
W5BS 152,412 626 78 A
AB5GY 122,128 610 68 A
AC5HF 72,663 407 53 A
W5PLN 65,880 362 60 A
W5RNF 37,412 276 47 B
WD4FRX 9,480 139 24 B
W5MUF 8,533 133 23 C
K5OJI (N5KEC, WBNSA, ops)
98,022 634 51 D

Oklahoma

AB5I 46,552 336 46 A
N5WH 71,120 580 40 A
N5RFX 24,453 207 39 B
K5YAA 517,080 1200 124 C
W5UDA 224,116 760 85 C
W5SS 730,085 735 85 C
W5HTK (N5s HEL, YVH, W5AOU,
K7GLA, K8RNY, ops)
64,128 452 48 D

South Texas

K13L 151,028 751 68 A
W5TU 114,318 510 73 A
N5NMX 109,480 500 70 A
W5NN (KB5YV,op)
41,538 349 42 A
W5ASP 14,922 267 18 A

WB5VZL 623,700 1599 132 B

K5XI 520,416 1186 139 B
NA4M 61,173 339 63 B
W5IYX 12,992 164 29 B
KC5DJM 1,566 35 18 B
K5GN 960,642 1721 166 C
K5GU 87,192 454 63 C
AB5TV 23,142 252 29 C
W5NR 5,982 119 17 C
N3BB (+AA5RB) 699,875 1873 125 D
W5EHM (+N1PVB, SQ9DDZ, AA5BT,
KASWSS, ops)
75,900 417 60 D

WQ5Y (+KC5JAZ, NZ5V)
73,296 329 72 D

West Texas

K5ED 18,290 192 31 A
N5ZMP 4,284 10 14 B
KM5BN 13,743 182 27 C

W9

Illinois

K9VFA 23,961 345 21 C

Wisconsin

KA9FOX 204,225 967 75 A
N9THK 3,580 78 20 B

W0

Colorado

K0RF 651,922 1395 142 A
K9MWM 39,840 334 40 B
K0CS 5,738 100 19 B
KD0C 4,215 95 15 B
AA0YX (+KG0ZI)
217,189 1109 71 D

Iowa

AD0H 5,985 151 15 A
WA0ETC 42,300 207 60 B
W0PFF 6,494 118 17 B
NC0P (+WA0s ETC, GYV, WR0G, ops)
684,894 826 138 D

Kansas

WA0SXR 37,660 350 35 A
K0BJ 9,600 132 24 A
W0BYT 6,640 104 20 A
KB0OEV 15,776 216 29 B
N1OS 1,776 50 12 B
W2SC 1,146,072 1974 159 C
W1OR 41,535 307 45 C

Minnesota

N0AT 189,800 844 73 A
N0ISL 33,311 269 37 B
KF0T 69,658 415 58 C
KB0IHM 36,518 446 31 C
AA0ZV 26,158 356 29 C
AA0TR 2,076 63 12 C

K0JUL (+AA0BY,ops)
441,616 1267 112 D

Missouri

N5DB 159,185 655 79 A
AB0AV 8,874 213 17 B
NW0B 5,817 95 21 B
N0JHX 1,500 131 20 B
N0TJ 254,982 741 78 C
KM0L 85,302 470 63 C
KSM3 33,715 193 55 C
AA0NB 26,714 256 37 C
WA0IYY 7,930 107 26 C

Nebraska

KG0KR 27,456 250 39 C

South Dakota

W8SD (W00T,op)
677,084 1898 118 C

Zone 8

W1

Connecticut

K2SX/1 975,966 1815 174 A
AA2Z 354,270 1008 105 A
KQ2M 135,269 617 73 A
W0MHK 122,400 373 100 A
W1BWS 75,348 275 84 A
K1AMH 40,300 292 62 A
K81GW 78,975 435 81 B
KD1TM 49,790 292 65 B
KE1AU 10,032 100 44 B
N1OFO 490 17 9 B
W1WFF 958,300 1907 148 C
KB1H (K1EY,op)
304,220 828 106 C
W3GOI 228,732 807 84 C
KE4GI 13,629 179 33 C
W7OM (+W1NG)
793,800 1518 175 D

W1BIH (+NET) 101,640 339 88 D
N1OPZ (+NET) 70,577 275 89 D
WA1FCN (+NET) 59,754 275 69 D
N4XR (+NET) 42,222 207 62 D

Eastern Massachusetts

W1KM 340,215 949 111 A
KA1DWX 160,244 408 118 A
WA3TXR 127,503 521 93 A
N1QV 114,336 515 96 A
KB1JL 101,371 365 89 A
AA1KY 40,460 204 70 A
K1HTN 24,336 192 52 A
K1PLX 125,488 583 88 B
AA1EY 47,175 245 69 B
KD1YN 47,058 682 75 B
K1VUT 644,832 1390 144 C
K1JKS 560,505 1173 129 C
K5MA 212,721 681 97 C
AA1HB 85,399 349 79 C
W1MK 72,150 270 75 C
W01N 28,336 107 56 C
KB2R (+NET) 213,615 771 101 D
KE1CN (+KA1IOR,KD1VQ,N1UJ,ops)
101,459 611 71 D
K1VV (+NET) 38,556 204 54 D

Maine
N1CGP 21,356 180 38 C
K59Z1 (+NET) 61,404 307 68 D

New Hampshire

K3MD/1 159,322 1055 74 B
WS1A 91,676 424 85 B
NB5V 962,352 1865 144 C
WA1LNP 173,098 958 71 C
K1EPJ 108,697 525 73 C
K1BV 37,880 358 40 C
KB1AXF 13,900 122 50 C
KD1ON 3,360 64 24 C
KC1F (+NET) 89,848 506 44 D
KA1FMR (+NET) 30,926 276 47 D

Rhode Island

K1HMO 141,501 561 101 A
N9LYE 2,700 94 15 A
WA1MKS 15,512 156 28 B
N1QME 35,197 254 61 C
K2MN 392 22 7 C
N1TLX (+NET) 37,848 256 57 D

Vermont

K1RJF 40,670 406 49 A
WB1GQR (WB2JSJ,op)
350,208 1334 114 B
N1PBT 101,926 580 82 B
KC1WH 53,424 529 48 B
NW1S 40,239 313 51 C

Western Massachusetts

WT2Q (+KY1H,WM1K,NJ1F,KE6BER,
KB1W,NJ1P,AA1AS)
669,700 1447 148 D
N8RFM (+NET) 130,456 630 92 D

W2

Eastern New York

KC2QF 110,727 419 81 A
KB2EEU 23,821 203 41 A
KF2O 8,010 174 15 A
KB2HUN 104,709 709 63 B
AA2GS 131,310 519 90 C
WA2UKP (+WA2JQK)
568,562 1471 134 D

NYC-Long Island

WB2AYQ 35,402 233 62 B
KC6EY 30,422 126 53 B
WB2BTJ 1,988 52 14 B
N2GC 126,756 451 84 C
KA2HJM 102,848 624 52 C
K2LE (+NJ2UN)
575,960 1286 154 D
WM2V (+WA2SYN)
138,484 418 89 D

N2LSK (+KA2GWM,KF2ER,N2s NSM,
STU,ops) 135,616 576 64 D
N2JIX (AA2GC,KB2UBM,N2JPL,ops)
51,324 3001 52 D
WB2QBP (KB2s VZP, WNV, YDV,
KG2FH,N2s LDV,UCK,ops)
20,081 257 43 D

Northern New Jersey

W1GD 271,320 579 136 A
N2MZH 240,745 1031 89 A
W2LRH 12,056 126 44 B
W2HCA 43,620 259 60 C
WV2X 12,028 136 31 C

Southern New Jersey

W5KI 6,412 85 28 A
WA3RHW 60,520 330 68 B
WB2DIN 1,050 37 14 B
N2CQ 2,100 40 15 C
AE2N 1,058 96 11 C
KN2T (+KA2NXL,KD2s Cl, I, KN2L,
WB2DIN)
828,212 1842 154 D

Western New York

N2PP 573,000 1499 120 A
AE2T 79,750 579 58 A
NA2Q 36,358 272 49 A
KB2SE 29,256 230 46 A
WB2OSM 87,916 446 62 B
KG2AU 70,853 321 69 B
KB2RAS 28,200 225 47 B
AA2BA 14,898 201 39 B
N2JHI 11,430 189 30 B
WA2RBO 11,132 99 44 B
N2LQJ 5,640 100 30 B
WA2RZJ 64,128 382 64 C
KW2J 48,581 501 37 C
W2OMV 47,520 280 55 C
W2EZ 12,220 202 17 C
W2SEZ (AA2s OT,VN,YW,K2RSK,
KB2ZHR,N2s AWT,RHL,XNY,
WA2WZX,ops) 43,850 389 50 D

W3

Delaware

NY3C 20,246 136 53 A
N3WBF 2,112 54 16 B

Eastern Pennsylvania

KB3TS 142,230 413 110 A
NY3Y 87,080 464 70 A
N3BDA 82,810 318 91 A
NN3Q 54,599 221 71 A
K3TX 31,056 255 48 A
KQ3V 528,640 1400 128 B
W3BGN 583,628 1264 118 C
AA3B 556,893 1345 129 C
W2UP 129,808 476 76 C
KL7HIR 127,131 523 93 C
NM2Y 102,141 451 181 C
K3ANS (+NET) 34,986 252 49 D

Maryland-DC

AA3OC 110,763 433 93 A
NF3X 9,075 58 55 A
K3IXD 84,854 456 77 B
KC3RN 50,443 267 73 B
KA3MTO 4,884 98 22 B
WA3YSW 1,952 64 16 B
AA3HM 238,680 675 104 C
KX3Y 169,497 445 111 C
W3CPB 28,000 208 56 C
AA3NB (+AA8RT)
38,630 301 52 D

Western Pennsylvania

K3CR (KB3AFT,op)
143,980 697 92 A
AD8J 26,487 311 27 A
NO3I 6,426 49 34 A
WB0JWG 30 6 3 B
W3HHD 31,944 220 44 C
AA3GM 15,686 153 46 C
K3WWP 8,550 210 25 C
NB4J 3,900 128 15 C
KB3BFQ 16 4 4 C

W4

Alabama

W24F 594,270 1622 135 A
K4UVT 44,574 240 57 A
KK4SM 71,280 980 72 C
W4NTI 59,354 370 59 C
KS4YT (+KB4FAI,KF4HYU)
97,200 807 48 D

Georgia

AA4GA 252,450 920 102 A
N23I 31,610 211 58 B
KN4QV 143,480 574 85 C
KB400GD 137,943 719 81 C
W4WA (+NET)
28,160 312 32 D

Kentucky

K4TXJ 17,591 113 49 A
KR4KL 13,615 219 35 B
AE4PT 2,145 53 15 A
AC4PY 41,412 276 51 A
N4XM 255,136 650 112 C
K1AO 166,050 685 90 C
KA8OKH 44,496 258 54 C
KM4FO 5,362 159 14 C
W4CN (KD4CLQ,KI4DC,KR4KL,ops)
85,254 515 78 D

North Carolina

AA4NC 707,427 1625 133 A
KI4HN 110,888 522 83 A
AD4PU 70,620 416 66 B
N4UH 369,946 1222 109 B
WA42XA 181,480 759 104 B
KC4YM 106,953 593 77 B
KS4XG 77,841 343 81 B

K4PQL 877,600 1614 160 C
W1IHN 277,112 1004 94 C
N4YDU 215,464 816 92 C
K4PB (+NET) 25,245 159 55 D
AA4S (+NET) 1,330 62 7 D

Northern Florida

K4VUD 376,124 1332 101 B
NA4E (+W4FDA,WR4K,K4UTE,
NF4L,NU4Y,WB4KSP,W5HUQ,ops)
528,364 1469 124 D

South Carolina

KC4UH 37,250 231 50 A
W4JUC 1,940 68 10 C

Southern Florida

WB4BBH 49,383 313 59 B
KC2KU/4 60,610 410 55 A
W1ENZ 10,912 108 31 B
N4BP 357,312 1406 96 C
WD4AHZ 204,300 715 100 C
AE4MH 9,367 128 29 C
N4TO (+WB4s EYX,MAI,OSN,ops)
453,096 1314 126 D

Tennessee

W4EKK 153,094 717 82 A
K0EJ 43,576 382 52 A
KE4OAR 2,072 58 14 A
K14KR 1,216 18 16 A
KS2X 14,880 120 40 B
KY2P 148,816 683 71 B
NA4K 128,223 459 81 C
W5HVV (+KD4RIX,KF5AA)
340,305 1231 105 D

Virginia

NA4MM 258,963 740 111 A
WA4JUK 40,488 261 56 A
K4UK 39,786 262 57 A
WB2NOT 464,424 1078 148 B
N4BTO 2,550 60 17 B
K4BAM 61,548 348 69 C
KA4RRU (+AA3KX)
531,069 1383 133 D

W5

Arkansas

N5DX 483,426 1212 107 A

Mississippi

KC5I (+KA5GJU) 43,809 343 51 D

W8

Michigan

KB9LK 50,076 363 52 A
WB9JK 42,228 314 51 A
WB8BUQ 21,340 201 44 A
AA8PA 230,214 909 102 B
KB8IBS 52,602 289 66 B
N8LIJ 40,150 325 50 B
N8QVP 21,918 250 39 B
KB8AZS 9,630 104 30 B
KB8QO 7,560 210 36 C
K8GL 577,896 1304 132 C
AA8AV 407,445 1213 115 C
K8CV 51,118 338 61 C
ND5S (+NET) 202,609 615 113 D
KX8D (+N9s DHN,WHG)
201,465 897 99 D

Ohio

KB8AZ (K8NZ,op)
983,785 2005 155 A

N9AG (at WB8ENR)
589,064 1490 134 A

K8MR 78,958 204 74 A
WA8YRS 76,711 608 41 A
WB8UPH 55,100 380 58 A
N8AA 53,365 279 65 A
KB8QC 29,678 212 71 A
KW8N 119,493 703 71 B
WB8KF 105,000 484 84 B
WB8HY 39,296 252 64 B
N8LXS 276,639 987 101 C
N8BJQ 154,652 601 92 C
KF8TM 106,944 396 96 C
AA8SM 51,362 356 61 C
WT8P 39,100 350 46 C

West Virginia

N8II 17,034 147 34 A
K3JT 152,457 607 89 C
K8OQL 115,101 471 87 C
AL7PT 35,427 273 49 C
KBZJN 33,323 253 47 C
K8GFW 29,664 228 48 C
K8KFJ 19,720 215 40 C

W9

Illinois

K9ZO 462,840 1430 116 A
K9MMS 94,424 436 74 A
K9UON 14,384 173 31 A
AA9NF 4,347 91 23 A
NE0P/9 946 52 11 A
KB9LEB 168 36 4 A
N9LCR 36,192 272 52 B
W9LYA 15,542 201 38 B
N9OGE 13,733 203 31 B
KB9IWU 12,489 255 23 B
W9LYN 6,200 115 28 B
K9OM 105,530 628 61 C
W9EBY 23,247 256 41 C
WB9UOE 11,798 129 34 B
AA9KH 8,559 125 27 C
KF9IF (+K9NR,KB9s JZJ,KZP)
25,738 317 34 D

Indiana

W9RE 1,025,164 2071 164 A
AA9CG 40,260 276 61 A
KB9C 97,500 380 90 B

KF9YH 16,606 193 38 B
WB0OLA 60,966 365 54 C
KJ9C 44,454 241 62 C
K9TSM (KB9s ATR,HKF,KEG,W9s JOE,
XD,ops) 78,546 502 57 D

Wisconsin

AA9OC 124,270 554 85 A
N9XX 26,363 261 41 A
N9IC 21,328 302 31 A
AA9SI 17,010 259 27 A
NB9C 57,816 424 44 B
KB9JIF 1,192 109 8 B
N9CIQ 17,052 162 42 C
AA9BJ 10,500 192 25 C
K9OSH 1,212 37 12 C
W0AIH (+N0AXL)
388,791 1297 117 D

Zone 9

Maritime-Newfoundland

VE1RJ 89,270 357 79 A
VE9CB 25,144 296 28 A
VE9KM 61,800 328 60 B
VE9LJ 40,320 240 48 B
VO1UQ 18,796 150 37 B
VE9SHA 260 82 9 B
VE1LV 14,167 135 31 C
VE1CT 7,261 100 27 C

Quebec

VE2GHI 17,955 159 35 C

Zone 10

Mexico

XE1VV 68,544 352 56 A
XE3LMV 102,168 498 66 B
XE2TH 7,968 158 16 B
XE2TZ 7,344 147 16 B

Zone 11

Barbados

8P6CV 13,314 81 42 B

Martinique

FM/WJ2O 525,780 1721 92 B
FM5GU 522,858 1055 118 B

Grenada

J37LK 4,920 58 24 B

Puerto Rico

WP4LNY 544 16 8 B

Aruba

P40Z (AA7VB,op) 1,227 1869 135 C

Costa Rica

TI1C (TI2CF,op)
727,383 1626 111 A

Antigua & Barbuda

V26B 1,106,170 2061 120 A

Bermuda

VP9MZ 2,646 43 18 C

Zone 12

Ecuador

HC2SL 356,304 1400 52 A
HD2RG 86,460 329 60 B
HD3W (HC3AP,op)
5,773 63 23 B

Colombia

HK3JJH 100,224 428 48 B
HK5CPH 83,950 364 73 B

Peru

OA4EI 142,990 402 79 B

Venezuela

YW1A (YV1AVO,op)
138,759 437 69 B

YV2FEQ 39,624 166 52 B
YV1GYA 31,871 160 47 B
YV5NWG 30,856 180 38 B
YV5NPU 30,484 134 68 B
YV4AZF 306 14 9 B
YV7QP 14,596 82 41 C

Zone 13

Brazil

PT2BW 33,480 150 54 A
PY7OJ 14,364 85 42 C
PV8ONU 2,794 44 11 C

Zone 14

Argentina

LD2DFM 36,000 144 60 A
LU4HKN 33,003 139 57 A
LU4D 405,768 746 116 B
LP7N (LU2NI,op)
348,192 574 144 B
LU1HOQ 332,840 698 106 B
LR0A (LU1ARL,op)
210,290 570 85 B
LU8HLI 96,660 343 60 B
LU5E 35,516 153 52 B
L44D 27,456 180 32 B
LU2DKN 25,056 120 54 B
LU6MFD 18,241 107 37 B
LU/CF3DPV 12

Zone 25

Asiatic Russia

RK0QXY 6,080 78 14 C

Zone 26

Asiatic Russia

UA0KAT 16,621 144 39 A
UA0KCL 15,402 144 45 C

Zone 27

Ireland

EJ5DI (E15DI,op) 32,895 229 43 A
EI4DW 25,026 200 43 C

France

F5NBX 307,040 856 101 A
F5RMY 121,104 462 87 A
F5ROX 26,895 179 55 A
F5HVB 21,360 138 60 A
TM1C 828,360 1578 130 B
F5RZJ 435,666 927 138 B
F5N2Q 131,274 421 102 B
F5TCN 107,074 461 62 B
F5PCX 77,952 294 84 B
F2RO 52,026 234 69 B
F2NH 39,406 646 61 B
F5PJV 15,933 125 47 B
F5BVB 11,980 109 40 B
TM9C 374,840 892 120 C
F5PQP 373,544 892 106 C
F5CEL 117,760 702 46 C
F5RAB 88,128 314 102 C
F5NQL 78,310 357 82 C
F5YJ 18,900 129 60 B
FB1IPH 7,980 100 21 C
FB1BAM/P 7,000 95 25 C
TM2T (F5e PJE,RP,SIH,ops) 1,098,220 1819 172 D

England

GBT (G3NYY,op) 356,004 917 116 A
GBFOS (G0VYH,op) 254,400 776 106 A
G0KRL 36,156 280 46 A
GBW (G4JVG,op) 817,028 1470 157 B
G0VSN 302,840 674 134 B
M6Z (G4BWP,op) 631,680 1284 141 C
G6G (G0LII,op) 392,953 933 139 C
G3ESF 176,800 467 130 C
G3TXF 148,296 380 111 C
G0WJF 82,115 310 89 C
G0QQ 67,586 259 94 C
M/WOC8 53,244 222 58 C
G3RSD 34,620 202 67 C
G4OTY 10,019 85 43 C
M6A (G4s EOF,GVC,JAI,ZFE,ops) 633,302 1491 122 D
GBQ (G4BUO,op) (+NET) 239,608 562 122 D
G0WAX (+G0WGA) 85,025 305 75 D
G0NKL (G0s MPJ,OFD,ops) 16,646 142 41 D

Scotland

GM6V 439,065 1311 99 A
GM6Z (GM0ECO,op) 371,756 1018 119 B

Wales

GW0AJ 17,050 134 55 B
GW0RTA 1,079 33 13 B
GW8A (G0s KXL,DBE,IEQ,STU, G4s NXG,WSE,G3RTU,G1AOF,ops) 53,224 1508 111 D

Luxembourg

LX1EP 123,120 870 80 B
LX0RL (LX1s JH,KQ,ops) 61,202 304 71 D

Belgium

ON7NQ 223,572 513 124 A
ON4CAS 107,120 360 104 A
OT6A (ON4MA,op) 851,489 1469 151 B
ON4AYM 457,211 1093 107 B
ON5GO 293,454 703 126 B
ON5JS 55,314 351 42 B
ON4CBW 30,756 160 66 B
ON4B8 8,474 71 38 B
ON4AEB 298,480 736 130 C
ON4XG 134,960 398 112 C
ON6TJ 84,036 277 94 C
OT6P (ON4LAM,ON6s AH,MH,OR, ON7PC,ops) 857,115 1703 135 D
ON5LL (ON4s AEK,AHF,AKL,BR, ON6s NL,ZX,ON7WK,ops) 88,384 411 64 D

Netherlands

PA3FNE 256,076 675 122 A
PA0CLN 194,922 585 117 A
PA0MIR 139,634 442 121 A
PA3EXI 4,956 67 28 A
PA0KHS 210,947 577 127 B
PA3DWJ 20,557 126 61 B
PA3GAB 19,312 182 34 B
PA0JM 2,544 85 12 B
PA0RCT 265,356 701 126 C
PA0LOU 182,604 435 118 C
PA0YDV 141,570 404 117 C
PA0COE 74,880 320 78 C
PA3BTH 37,125 171 75 C
PA3BEJ 12,376 102 52 C
PA3AFF 9,593 79 53 C
PA0TA 748 24 11 C

Zone 28

Croatia

9A3QK 78,957 427 93 A
9A4D 126,984 429 111 B
9A/SPBNVK 62,031 318 87 B
9A3ZO 28,680 182 70 B
9A3SM 68,173 343 97 C
9A5I 74,152 378 104 C
9A/DL3DRN 17,873 141 61 C
9A1CHP (+ops) 77,900 429 76 D

Fed. Rep. of Germany

DK7GH 320,264 701 152 A
DL7VOG 287,452 800 139 A
DL4YT 208,131 659 119 A
DL5MFL 203,891 613 129 A
DL5LW 179,225 517 107 A
DL1ARJ 149,760 496 120 A
DL2AYI 72,270 357 90 A
DK7TZ 48,440 285 56 A
DL6UAM 46,830 287 70 A
DL3BRA 31,008 232 68 A
DL3ARX 22,848 175 64 A
DJ6DO 18,144 146 56 A
DL6AKK 8,773 283 31 A
DL7BY 7,801 69 29 A
DL8PC 718,900 1228 105 B
DL8OBQ 277,240 728 145 B
DL8SDC 108,928 392 92 B
DF7YU 81,081 375 63 B
DL1JPL 76,077 353 79 B
DL1NOF 44,730 283 70 B
DF5BX 44,548 236 86 B
DJ0PN 44,403 305 57 B
DK6AY 44,392 286 78 B
DF5IS 36,112 222 61 B
DL3MG 35,552 146 101 B
DL6UHU 27,090 161 70 B
DL9MFN 20,618 130 61 B
DL/OK8KYP 18,144 85 63 B
DF1DX 17,727 133 57 B
DL9BDC 12,087 109 51 B
DL5FCV 11,880 101 60 B
DL1HSR 8,008 76 56 B
DL7UHD 6,864 80 39 B
DL7LZA 4,794 57 34 B
DL7CU 4,182 65 34 B
DL9ZWG 4,118 54 29 B
DL3KDC 2,496 52 32 B
DJ1VO 1,725 39 23 B
DK5KJ 1,344 34 24 B
DH0GDS 1,098 50 9 B
DJ2YU 744 66 26 B
DL3KUD 330,900 804 150 C
DL6BBT 304,885 741 155 C
DK0RV 289,903 775 131 C
DL2NWK 241,200 615 144 C
DL4HRM 229,248 689 128 C
DK7XS 208,256 587 128 C
DL7BQ 203,171 570 137 C
DL3JZN 172,788 446 132 C
DL1JF 160,392 460 123 C
DL4BQE 159,380 510 120 C
DL8WN 134,794 556 108 C
DL8KVA 120,672 309 144 C
DL6AD 113,880 393 104 C
DL1TH 112,770 408 105 C
DL1FY 103,008 367 96 C
DJ0SH 89,856 405 72 C
DL5SVB 75,660 345 97 C
DL5KUD 75,240 292 110 C
DF3HD 72,048 376 76 C
DL7ANQ 66,405 305 95 C
DF8MW 61,789 271 91 C
DL6XY 61,180 296 92 C
DL1ALN 56,311 261 99 C
DL3KWR 44,919 215 93 C
DL3HSC 39,405 282 71 C
DK7PF 34,725 193 75 C
DL2UHM 33,831 190 70 C
DL4EOM 33,615 163 83 C
DL1GHX 30,160 184 58 C
DL5JRA 25,350 208 50 C
DL7VAF 23,370 148 57 C
DL8EAO 17,728 139 64 C
DJ0VLP 14,204 129 53 C
DL1OO 16,554 133 62 C
DL1CW 13,432 128 46 C
DJ5NN 12,200 102 50 C
DL6UCW 11,115 97 45 C
DF5WN 4,556 101 17 C
DK8KW/P 2,640 40 24 C
DL7UXG/P 2,006 56 17 C
DL3JRA 432 20 8 C
DK5ZX 351 19 9 C
DK0EE (DL1MFL,DL4s MCF,MDO, MEH,ops) 875,546 1386 179 D
DF0DX (DL1YAW,DK5QN,DF8XC, DF0DX,ops) 544,482 1165 162 D
DK0ZG (DL6MPG,DL8MUG,ops) 410,256 1253 132 D
DF0CU (DL2LO,DL5YYM,ops) 271,542 744 167 D
DL0DR (DG1TU,DK9IP,DL5s IAI, IAM,ops) 243,490 735 130 D
DL0WEM (DJ5CN,DK8BS,ops) 212,940 502 182 D
DL0WMD (DL6KWM,DL9GRO,ops) 100,842 467 98 D
DK0MN (DK3YD,DL5MFH,ops) 82,272 357 96 D
DL0TUD (DL6DVU,DH5FS,ops) 71,040 344 80 D
DL9GMN (+NET) 11,368 97 52 D

Hungary

HA8FW 75,152 299 88 A
HGM8ZO 23,520 208 48 A
HGM4DA 27,786 328 33 B
HA9MFB 5,529 115 19 B
HGM9MDP 5,070 132 15 B
HA9MCG 4,455 71 27 B
HGMET 2,562 71 14 B
HA3LI 324,522 833 149 CHA6OZ 169,078 712 91 C
HA0HV 111,744 420 96 C
HA4GIT 97,328 500 79 C
HAM6VA 80,976 220 103 C
HASLZ 52,052 271 52 C
HA3OV 43,416 360 54 C
HA0BK 43,087 249 71 C
HASAGS 35,490 350 39 C
HAP8P 17,568 140 61 C
HA8RA 207 23 9 C
HGK1H (HA1s AH,AR,DAC,DAE, DAI,TJ,ops) 3,354,250 4303 250 D
HG5M (HA5s BVD,EH,OF,MY,ops) 944,096 1836 181 D
HG5C (HA1AG,HA5s LV,MO,WE, N9NC,W0YR,ops) 605,204 1244 142 D

Switzerland

HB9HFN 413,910 1145 135 C
HB9DX 120,500 495 100 C

Liechtenstein

HB0/PI4TUE (PA3s EZL,FXW,GFE, PE1s NEX,NVK,PRG,ops) 371,464 1116 118 D

Italy

IK2VJF 197,784 574 134 A
I16R 156,576 573 96 A
IK5TBK 144,330 473 102 A
IK2HKT 128,412 469 108 A
IQ7A (IK7XIV,op) 122,655 685 85 A
I12R 89,856 462 78 A
IK3SCB 76,916 330 82 A
IK0XBX 30,056 210 68 A
IK4ZH8 27,738 223 69 A
IO6F (IK6BOB,op) 853,216 1694 182 B
IN3ZNR 530,720 1013 160 B
IO4A (IK4PVR,op) 439,863 1003 151 B
I10G (IK0YUT,op) 219,184 788 103 B
I5V3SG 184,334 633 60 B
IR0C 177,840 494 130 B
IO6I (IK6CAC,op) 172,200 750 105 B
I28AJV 107,800 466 98 B
IKLXAC 101,970 445 90 B
IK8UND 62,208 268 96 B
IK7RVY 57,510 382 71 B
IK7YUA 57,224 314 92 B
IK3OII 50,490 283 66 B
IK3PGG 38,016 196 66 B
IQ7J 33,896 170 67 B
IK4ZIT 23,746 123 62 B
IR4B (IK4AUY,op) 12,110 102 35 B
IC0SP 10,976 224 49 B
I2HXB 6,565 235 58 B
I2HWI 6,268 60 48 B
IK2MPR 6,244 94 28 B
IK5YJK 4,625 71 25 B
IK8IFW 3,186 46 27 B
IK6GRT 3,069 47 31 B
IY9ZYT 2,394 62 21 B
IY3GCP 1,872 42 18 B
IK6RFQ 220 12 11 B
IK0HBN 443,360 881 160 C
I0ZUT 263,510 771 130 C
IK0VSW 226,968 552 147 C
IK0YVY 226,782 552 129 C
IK5TSS 133,266 409 114 C
IT9ORA 90,474 411 102 C
IR3L (I3FDZ,op) 54,439 367 49 C
IK0ADY 11,844 92 47 C
IY3VK 6,222 69 34 C
IK0VSV 3,937 74 31 C
IK0YUM 3,762 75 22 C
HJEE 2,546 52 19 C
IR4T (I4s JMY,YS,IK2s QEI,SGC, IK4IEE,ops) 1,410,768 2062 194 D
IQ4T (I4IFL,IK4s HVR,SXJ,ops) 1,048,640 1756 178 D
IO2L (I2OKW,IK2s PIG,NVU,YYE,I2Zs AAJ,ACZ,HAJ,HP,ops) 440,326 1150 134 D
IK4QJH (+NET) 117,488 435 112 D
IU2S (IK2s UKW,YSE,ops) 63,240 326 62 C
I10R (I1THLR,op) (+NET) 25,830 216 63 D

Bulgaria

LZ3YV 275,600 934 130 A
LZ2UZ 65,669 317 97 A
LZ1BJ 52,041 415 97 A
LZ5QZ 74,671 419 89 B
LZ0U 46,576 260 82 C
LZ2FM 23,212 172 62 B
LZ1KSN 120,554 551 109 C
LZ8C (LZ2TF,op) 120,249 509 93 C
LZ1VA 107,670 374 111 C
LZ2DL 45,552 368 78 C
LZ2AU 40,761 271 63 C
LZ2WA 16,849 273 29 C
LZ2GS 13,608 191 24 C
LZ1FJ 15 5 3 C

Austria

OE1KYW 92,988 517 84 A
OE1TKW 22,419 141 53 A
OE5JKL 6,020 88 35 B
OESNNN 39,432 368 53 C
Czech Republic
OK1FKV 238,791 699 137 A
OK1KZ 76,362 344 89 A
OK1DSA 75,420 371 90 A
OK2UWY 66,836 468 49 A
OK1AGA 56,463 223 87 A
OK2SWD 41,354 254 62 A
OK2AJ 13,650 143 30 AOK2PJD 9,646 100 53 A
OK1FJD 5,828 168 21 A
OK1RV 4,890 93 30 A
OK1DKS 36,553 233 71 B
OK2DEY 8,697 100 38 B
OL8M 454,772 1014 164 C
CL4M 290,927 779 139 C
OK1FPS 267,306 728 138 C
OK1DCF 215,871 609 141 C
OK1AAY 157,136 519 122 C
OK1ZP 148,143 471 113 C
OK2BXR 145,824 450 112 C
OK1FHI 129,286 440 127 C
OK2EQ 101,227 404 99 C
OK2SAT 98,307 379 99 C
OK1NG 93,408 459 84 C
OK2TBC 78,960 355 80 C
OK2WM 63,525 313 83 C
OK1FCA 50,176 326 64 C
OK1DMS 46,746 1113 42 C
OK2EC 44,946 228 66 C
OK1AOU 34,680 165 65 C
OK1KW 17,193 156 33 A
OK1WU 5,460 65 28 C
OK1DJJ 1,176 32 12 C
OK2BHE 224 12 8 C
OK1KCF (+ops) 48,980 260 79 D

Slovakia

OM3CDZ 107,500 510 86 A
OM4WV 103,684 433 98 A
OM2SM 70,880 360 80 A
OM3YCA 58,800 314 84 A
OM3MB 50,339 278 71 A
OM4MD 42,092 296 68 B
OM3KHU 61,155 353 81 B
OM7V 3,060 118 17 B
OM0TT 125,652 444 111 C
OM6TY 79,116 363 76 C
OM1GM 74,400 502 62 C
OM9TR 25,375 255 35 C
OM3IF 24,642 113 74 C
OM3WQQ 1,484 76 14 C

Slovenia

S57XK 111,555 401 111 A
S58D 79,148 358 94 A
S58MU 42,598 320 59 A
S51TA 11,660 326 22 A
S51DX 652,806 1344 157 B
S57J 500,448 1032 15 C
S57X 451,143 963 157 C
S53MJ 291,200 671 130 C
S51FA 255,990 639 138 C
S57NW 201,222 617 126 C
S51T 6,727 85 27 C
S50C (S53s CC,RR,ZO,S55O,ops) 918,880 1772 157 D
S50E (S50U,S51s B,XE,ops) 790,540 1484 145 D
S59DKR (S57s KM,MRO,ops) 201,300 899 100 D

Poland

SN2B 1,445,994 2086 201 A
SP3SLA 330,590 869 130 A
SP6NIC 243,612 700 134 A
SP4EEZ 56,201 507 43 A
SO5TW (K3TW,op) 47,730 257 70 A
SP2EBG 44,548 513 28 A
SP9WJT 38,700 359 70 A
SP8DHJ 14,200 154 40 A
SP8UFY 13,689 155 39 A
3Z6AEF 9,780 166 21 A
SP8FHJ 7,770 85 42 A
SQ9DXN 2,772 51 27 A
SQ9BZK 504 30 12 A
SP6KEP 410,837 995 133 B
SP9PRO (SP9-3021,op) 214,206 778 114 B
SP7LZD 129,918 428 118 B
SP7LZD 119,038 473 106 B
SP6LMX 101,724 410 98 B
SP4ILJ 70,870 361 95 B
SP9BLF 51,590 113 14 B
SP9HJF 51,324 273 84 B
SP9QMP 40,321 281 61 B
SP9WZF 34,900 199 84 B
SP8UFB 33,280 230 64 B
SP6PEO 22,644 140 51 B
SP2AHD 20,085 187 39 B
SP5BB 18,600 130 62 B
SP6OHE 18,368 131 64 B
SP8OOC 15,147 151 51 B
SP9CLO 14,900 132 50 B
SP8OON 14,070 137 42 B
SP4WRF 13,046 914 55 B
SP7FQI 12,672 118 48 B
SP2LUK 12,419 282 31 B
SP9QJQ 74,098 39 8 B
SP9KBZ 2,128 53 14 B
SP5LCC 780 22 13 B
SP8EI 369 23 9 B
SP7GIG 1,202,870 1712 185 C
SP2QCH 328,328 916 143 C
SP1AEN 98,480 384 90 C
SP2JGK 80,442 355 82 C
SP6LZC 77,166 369 91 C
SP5EVW 70,560 326 84 C
SP5CGN 54,522 272 78 C
SP3FAR 53,163 155 99 C
SP6YGB 37,947 383 39 C
SQ8BUO 36,096 283 64 C
SP8BAB 33,212 188 46 C
SP5NZL 29,026 249 46 C
SP6CYF 24,221 155 53 C
SP4EAK 7,875 115 28 C
SP6BEN 8,804 70 36 C
SP3AOT 5,957 69 37 C
SP2QVS 5,254 120 30 C
SP6STS 5,166 71 18 C
SP5AHR 5,016 464 44 C
SP3LPR 900 40 15 CSP2PMO (SP2s FOV,JKC,ops) 589,964 1336 166 D
SP3PLD (SP3s BBZ,CB,FLR,HFB, IEM,ops) 320,850 833 155 D
SP3PFR/1 (SP3s BZ,N,MGP,ops) 69,255 330 81 D
SP9KJU (+ops) 16,897 146 59 D

Greece

SV1CID 36,100 506 38 B
SV1SV (+SV1MF) 94,039 565 83 D

Romania

YQ2CJX 5,440 110 34 A
YQ9KAG 1,288 59 23 A
YQ3RU 181,356 640 127 B
YQ8SMM 138,860 260 212 B
YQ5CYG 116,729 471 113 B
YQ7DAA 100,416 504 96 B
YQ3BY 88,800 421 96 B
YQ4CIS 64,728 325 93 B
YQ3AIL 61,370 270 95 B
YQ7ARY 53,805 250 85 B
YQ3BHQ 24,494 260 37 B
YQ5OSF 14,796 249 36 B
YQ9IAS 13,284 168 41 B
YQ8FR 6,498 110 11 B
YQ8FR 162,250 441 118 C
YQ6EZ 91,476 451 84 C
YQ8BPY/P 83,836 354 103 C
YQ2ARV 69,160 317 76 C
YR8A 57,230 455 59 C
YQ4ZF 5,032 258 94 C
YQ5BTZ 2,293 57 17 C
YQ5ALI 1,846 54 13 C
YQ4AAC 494 16 13 C
YQ8KUB (YQ8s BIG,RSL,RTR,SDM, SEG,ops) 204,720 662 120 D
YQ8KBM (+YQ8s DDF,LV) 75,194 353 82 D
YQ8KZE (YQ8s PB,RCW,RWA,ops) 63,518 344 91 D
YQ2KJW (YQ2s CWM,LEH,ops) 3,213 80 27 D
YQ9KVV (YQ9s FNR,GY,ops) 2,650 42 25 D

Yugoslavia

YT1AD 1,017,720 1542 190 A
YT0E (YU1BO,op) 126,324 526 99 A
YU7KM 41,682 235 74 A
YU1XOT 132,758 749 82 B
YU7YZ 7,140 60 20 B
YT1BS 1,422,282 2519 202 C
YU7SF 69,099 293 93 C
YU7XM 67,368 354 84 C
YT4 (+ops) 607,135 1355 155 D
YZ7A (+ops) 140,360 546 110 D
4N1N (YT1EOB,YZ1EA,ops) 43,132 274 82 D

Macedonia

Z3ZKV 50,778 253 78 A
Z32BU 124,524 521 60 B
Z31JA 107,730 480 90 B

Zone 29

Azerbaijan

4K9W 14,056 85 56 C

Moldova

ER1OA 110,110 504 77 C

Estonia

ES1CN 90,428 429 74 C

RN3F (RU3DX,op) 25,898 208 46 A RV1AB 15,096 174 34 A RV3WW 12,312 106 54 A UA4NC 94,863 293 103 B RW3QF 66,900 326 75 B RZ3FR 55,510 295 70 B RZ3EC 51,824 250 82 B UA1CKC 41,808 326 39 B UA4SKW 28,202 158 59 B RJ3WT 23,253 149 69 B UA8LTF 15,950 93 50 B RW3FO 317,704 790 151 C UA1QM 271,080 738 135 C RW3YA 214,840 583 131 C UA4AGP 143,524 503 106 C RU1AO 118,404 347 132 C UA4YJ 113,498 340 121 C UA4AGO 107,848 380 104 C UA4SS 91,665 391 97 C UA4SBZ 82,814 385 94 C RK3AD 76,755 278 85 C RK3QWM 56,826 278 77 C RA4LH 54,016 303 64 C RZ8HX 44,766 298 54 C UA4AHA 40,672 263 62 C RV8YB 31,044 274 39 C UA8LDF 13,508 99 57 C UA3TU 74 12 62 C UA3YKG 9,888 90 44 C U3WU 6,912 83 32 C RA6LAE 2,737 51 23 C RU6LWZ (UA6s LO, LV, LFQ, UR5IBG, RN6MM, RA6s AJJ, LBX, RV8s LNA, LOB, ops) 1,556,784 2230 228 D RZ3Q (RA3QJG, RW3s QC, QO, RZ3QQ, UA3s QDM, QDX, ops) 1,480,414 2515 194 D RA6Y (RA6s AU, AX, YY, RN6BN, RW6YY, RX6BA, RZ6AZ, UA6s AUJ, NP, YDX, YN, ops) 1,478,000 2452 200 D RK3UWA (+ops) 334,356 877 132 D RK4FWX (RW4FO, UA4s FMV, FOA, ops) 270,270 823 110 D RK3DZD (RV3s DA, DCZ, DLK, RX3DTM, ops) 257,131 647 109 D RZ4AYT (RA4AI, UA4s AIY, ALI, UA9COD, ops) 184,977 573 117 D RK3EWZ (RA3EO, R3E-8, ops) 50,260 287 70 D RK3EWW (RA3EA, R3E-9, R3E-10, ops) 48,860 265 70 D Ukraine EO6F 827,931 1824 169 A UX1UA 345,144 832 146 A UT1II 210,192 562 108 A UR7R 171,360 588 102 A UY5TE 136,996 483 116 A UX1VX 85,008 371 88 A US3IZ 75,516 354 87 A UT7CA 44,550 262 66 A UR7CA 40,788 250 66 A UR4QIN 40,468 269 67 A UY7E 801,529 1370 193 B UT0D (UT7DQ, op) 722,904 1445 156 B UY5QQ 647,064 1206 172 B UR7E 515,514 1090 151 B UX0HA 213,457 662 113 B UX0JZ 185,200 616 100 B UX8ZN 72,816 282 82 B UT1WA 64,124 282 82 B UR4MS 53,440 279 80 B UX2VZ 26,535 169 61 B UT3HD 15,120 108 55 B US1E 962,920 1622 181 C EN6Q (UT7QF, op) 959,393 1636 191 C EO7V (UR7VA, op) 639,360 1202 180 C UT7ND 446,572 901 164 C UT3UZ 414,796 1014 137 C UR6UW 210,639 550 143 C UX3M (UR3MP, op) 198,128 624 116 C UX5EF 110,548 390 116 C UR5MTA 98,677 383 101 C UT5LUJ 88,400 304 35 C UT0QA 87,120 473 66 C UT2UB 80,432 322 88 C UT1WW 71,060 278 95 C UY5WA 46,512 274 72 C UR5ZOS 46,176 247 74 C US7IGF 43,365 239 59 C UR7LW 39,360 284 41 C UY2ZZ 27,864 200 54 C UT2JA 18,944 110 64 C UU5J (+UU1JA, UU2s JZ, JWA, UU3JD, UU0XJ) 2,058,308 2510 266 D UT7W (UR5s WAN, WCW, UT7WZ, ops) 906,192 1576 186 D UR4E (UR5s ECW, EDX, ops) 741,836 1158 227 D UR4PWC (UT4PZ, US-P-272, US-P-273, ops) 415,776 982 142 D UR4MWU (UR4MT, UR5s MA, MB, MFE, ops) 67,635 350 81 D Latvia YL2GM 265,068 722 111 A YL1ZD 74,865 507 109 A YL2GN 257,920 864 104 C YL2UZ 38,590 410 34 C YL2PG 29,862 172 79 C YL1ZF (+ops) 70,044 381 78 D Zone 30 European Russia RU4WE 206,195 594 115 A 	RN4W (UA4s WGU, WJR, RU4WJ, ops) 1,911,832 2269 248 D RK4WWA (RW4WA, UA4WA, ops) 537,600 1190 140 D RK4WWC (RA4s -033-UD, -044-UD, ops) 101,220 403 84 D Asiatic Russia RA9CO 643,148 822 188 A RA9DZ 401,100 650 140 A UA9WZ 258,322 573 106 A RK9CWY 238,782 562 12 A RA9CKQ 69,020 257 70 A RW9AB 255,945 547 113 B RA9DZ 152,272 553 62 B UA9CL 78,848 259 77 B RW9QA 48,600 185 72 B UA9ACJ 38,012 187 52 B RX9FG 27,265 183 35 B UA9SFR 19,570 193 38 B RW9RF 9,831 93 29 B RW9SW 388,260 669 135 C RA9AF 189,868 434 96 C UA9ACL 137,199 383 87 C RK8AWN (RA9s AA, ALC, ATW, AX, ops) 1,259,881 1256 99 D Uzbekistan UK7F 61,824 247 69 A Kazakhstan UN7LG 270,690 833 70 A UN8LA 395,143 693 133 B Zone 31 Kyrgyzstan EX2M 988,038 1239 171 A Asiatic Russia UA9ORS 35,712 156 62 B RZ9OZ 92,746 298 79 C Kazakhstan UN7FW 41,254 278 37 A Zone 32 Mongolia JT1BV 102,000 366 75 B Asiatic Russia RU0SL 34,110 206 45 A RV0AR 529,546 821 149 B UA0SJ 110,618 436 71 B Zone 34 Asiatic Russia RW0FO 106,881 463 15 B RA0FY 467,907 959 121 C UA0FZ 324,102 721 114 C RU0LL 92,644 498 47 C Zone 35 Asiatic Russia R0/VK9XL 6,905 132 45 C Zone 36 Azores CU3AV 86,010 408 61 A CU3YU 1,148 32 14 B Canary Islands EA8BGO 19,400 119 40 B EA8AD 13,134 125 22 B Zone 37 Tunisia 3V8BB (DK3DM, op) 1,078,990 2013 110 C Portugal CT1ELP 25,866 165 54 A CT4MS 46,440 201 72 B Spain EA1MK 138,570 490 93 A EA3BOX 359,918 908 127 B EA3GHQ 159,164 427 116 B EA1EB 152,678 482 97 B EA5GMB 80,760 431 40 B EA1FDG 59,568 278 68 B EC3AIC 49,470 477 34 B EA1AW 38,480 196 65 B EA1FAD 36,278 227 34 B EA5VD 29,575 168 65 B EA1BOI 26,112 153 64 B EA3DJV 21,402 127 58 B EA7GTF 18,069 203 19 B EA3GHZ 17,051 199 45 B EA7AIG 15,273 117 47 B EA4YAW 14,681 99 53 B EA3ELZ 6,600 68 44 A EA7ALN 4,920 78 20 B EA3OP 2,795 73 13 B EA3DYZ 720 21 16 B EC4DJY 686 34 7 B EA5FV 258,390 634 87 C EA7IL 147,325 637 71 C EA3ALV 94,185 337 91 C EA7AAW 79,695 332 69 C EA3AJW 73,659 501 43 C EA5EU 61,450 375 50 C EA5FID 31,878 310 33 C EA7FZ 31,008 176 57 C EA5AHO 16,422 127 42 C EA5DIT 13,756 114 38 C EA4AUF 9,720 79 40 C EA1FBJ 8,604 91 36 C EA1BMA 6,780 105 20 C EA3GIJ 2,034 45 18 C 	EA2CR 1,005 23 15 C ED5URN (EA5s AIF, CKP, EOC, FUF, GPP, KW, ops) 324,576 900 112 D Balearic Islands EA6ZS 2,340 52 15 A EA6ACF 44,370 306 51 B Zone 39 Israel 4Z5FW 31,640 235 28 A 4X8TT 354,200 1345 56 B 4Z4TA 45,008 300 29 C 4X1VF 24,570 188 27 C Cyprus H2T (5B4XF, op) 1,012,772 1592 134 B C47W (5B4WN, op) 1,096,050 1559 150 C C40M (5B4AFM, 5B8AH, ops) 1,389,280 1932 152 D Kuwait 9K2/YO9HP 200,760 620 70 C Turkey TA2ZS (AA5UR, op) 2,850 44 19 C TA3J (+NET) 239,344 882 56 D Zone 41 India VU2UR 5,300 62 37 A Zone 44 China BY1BY (BZ1s HR, LHD, PJ, WIN, WY, ops) 23,982 183 42 D South Korea HL0K (+D51AFF) 28,628 282 34 D Hong Kong VR2KF 65,800 252 70 A V56BG 180,540 574 85 C Zone 45 Japan JH5ZCP (JR5JAQ, op) 544,355 887 151 A JA7KBR 87,948 283 84 A JK2VOC 57,420 250 66 A JR4GPA 40,368 220 58 A JR9NVB 38,995 167 55 A JH3FTZ 36,093 177 53 A 7N2UTO 15,918 105 42 A JR8UNT 14,898 170 39 A JA6CM 12,507 93 33 A JE1XCZ 10,292 94 31 A JA2QVP 8,640 68 32 A JG1RDV 5,211 48 27 A JA9UKG 4,239 41 27 A JA4GXS 1,712 29 16 A JE9LLO 1,485 25 13 A JA6QDU 1,408 28 16 A JA1AB 1,260 25 12 A JH1NXX 128 16 8 A JA5EXW 369,861 843 97 B JR1GSE 39,928 185 56 B JA7BEW 39,312 207 48 B JR7WAW 36,476 278 48 B JH1UUT 26,469 159 51 B JE1LFX 19,285 125 35 B JE1GZB 13,860 100 35 B 7K2DOD 5,508 52 27 B 7K2QOX 3,973 39 29 B 7N2PYF 3,450 40 25 B JA2BEY 3,276 34 25 B JR1MRG 2,037 27 21 B JA1STY 1,932 30 21 B JA1MQS 1,649 31 17 B JR7LVK 1,066 36 13 B JA2GHP 910 22 13 B JG1GCO 300 10 8 B JH2WHS 280 62 4 B JR3KAH 80 6 5 B JR2TRC 36 4 3 B JA1JLP 35 7 5 B JR1BSV 27 3 3 B JA8TEZ 1 1 1 B JH7XGN 352,875 665 125 C JA0DAI 278,964 554 123 C JE0UXR 230,496 522 112 C JR7OMD/Q 201,956 441 116 C JF3PNU 120,612 321 92 C JS1OYN 107,415 339 77 C JA9XWV 76,080 258 80 C JB3FC 70,082 282 67 C JF3IUC 57,732 249 68 C JH3JYS 31,808 150 56 C JA9TSJ 31,050 171 46 C JA3ARM 30,846 170 53 C JA0DWM 30,100 178 43 C JA5APU 24,609 153 39 C JH1DYV 20,090 131 41 C JA1XCZ/4 16,276 95 52 C JA8AJE 16,135 109 35 C JF1SQC 14,120 97 40 C JA1KI 13,432 87 39 C 7L1WGY 12,488 128 28 C JA7DOT 11,742 64 57 C JH1DVG 11,036 93 31 C JA1GTF 7,410 60 30 C JA2VQF 7,344 60 36 C JA8TO 6,072 68 23 C JA1XEM 4,340 78 14 C 7M2GCW 2,353 70 14 C JK1LUY 2,015 37 13 C 	7K1EQG 1,547 39 13 C JA9CWJ 1,536 24 16 C JF7VUL/7 1,413 43 9 C JG1UKW 459 13 9 C JE3CYH 320 14 8 C JA1AAT 24 4 2 C 7K2GMF 6 3 2 C JA1YXP (JM1UWB, JI2JOF, ops) 477,996 1000 122 D JA0YAK (JF0ESV, KF1USR, JI17AR, JM7SGO, KE0ETP, ops) 244,728 648 88 D JG4CLV (+NET) 175,102 3019 58 D JA9YAV (JA9KUG, JF0EGG, ops) 45,017 205 59 D Zone 46 Nigeria 5N0T 1,052,440 1334 166 B 5N0FPK 3,048 51 12 B 5N3/SP5XAR 84,384 260 72 C Zone 49 Thailand HS1CHB 3,544 147 8 B HS2PF 1,400 44 10 C HS50A (HS1CHB, HS2JFW/1, ops) 35,079 260 33 D Zone 50 Philippines DU1SAN 93,610 427 46 B DU1LFR 10,960 182 12 B 4G1A (4F1s AEA, CJC, FZ, FZE, 4F3GD, DU1EFS, DU3s HAM, MJJ, ops) 32,214 255 26 D Zone 52 Gabon TR8IG 253,164 700 73 B Zone 54 Indonesia YB1AQS 169,668 335 108 A YB6INU 82,845 271 63 A YC6PUB 19,305 148 27 A YC0LOW 20 2 1 B YB0ASI (AA4U, op) 40,404 173 52 C YB2UDH 34,992 150 54 C Zone 55 Australia VK4MZ 165,264 400 88 B VK4EMM (+VK4s UW, XY) 364,500 769 100 D Zone 57 South Africa ZS6CAX (JM1CAX, op) 601,120 984 130 A ZS6SA 30,096 152 44 B ZS6AJS 54,275 189 65 C Zone 59 Australia VK2XT 6,148 46 29 B VK2APK 263,816 578 98 C VK1FF 13,892 130 23 C Zone 60 New Zealand ZL2AGY 21,266 144 31 C Zone 61 Hawaii KH6FKG 202,142 7776 53 B WH6XJ 33,670 201 35 B WH6LU 54 6 3 B KH6B 1,548 227 12 C Zone 62 S. Cook Islands ZK1AAU (+ZK1MUJ) 77,546 289 58 D Zone 64 Mariana Islands WH0AAV 47,619 267 37 B Zone 66 Ascension Island ZD8Z (N6TJ, op) 2,103,090 2618 165 A ZD8DEZ 328,510 750 91 C Zone 73 Antarctica EM1KA 304 38 16 C WRTC Teams W6X (KR0Y, K1TO, ops) 761,829 2457 183 	K6T (K4BAI, KM9P, ops) 678,132 2511 162 W6R (K6LL, N2IC, ops) 655,720 2424 169 K6P (VE3EJ, VE3IY, ops) 647,112 2343 177 K6C (K4UEE, N6IG, ops) 644,059 2355 169 W6T (K5ZD, WX3N, ops) 616,308 2170 174 W6T (K1KI, K3UA, ops) 606,550 2145 175 W6Q (9A3A, S53R, ops) 598,272 2233 164 W6V (KF3P, KR2J, ops) 577,755 2352 151 W6P (K8CC, K5GO, ops) 568,435 2370 149 K6V (W2GD, W0UA, ops) 568,378 2465 146 K6W (N6TV, K7SS, ops) 556,928 2261 151 W6I (K1AR, K1DG, ops) 547,404 2204 156 W6Y (DL1AO, DK3GI, ops) 545,756 1993 167 K6D (DL5XX, DL1VJ, ops) 532,728 2183 147 K6R (LZ1SA, LZ2PO, ops) 531,552 2256 147 W6F (OH2IW, OH1JT, ops) 530,000 2100 155 K6G (NP4Z, WC4E, ops) 527,592 2238 152 W6A (K3LR, WA8YVR, ops) 523,672 2478 134 K6X (UA3DPX, RZ9UA, ops) 518,666 1960 163 K6Z (JH4NMT, JE3MAS, ops) 512,535 2318 141 W6S (LY2IJ, LY1DS, ops) 509,392 1958 158 W6B (SS9A, S56A, ops) 507,318 2257 141 K6Y (OK1CF, OK2PAY, ops) 499,796 2143 148 W6H (RW1AC, RV1AW, ops) 497,965 1841 163 K6I (JH7PKU, JO1BMV, ops) 488,940 2296 145 K6S (ON4UN, ON9CIB, ops) 480,326 2120 154 W6U (EA1AK, EA4KR, ops) 470,744 1918 152 W6G (JE1JL, JH7WKQ, ops) 470,237 1984 139 K6U (SM3DMP, SM3CER, ops) 465,075 2165 135 W6O (ZS6EZ, ZS6NW, ops) 461,553 2093 137 K6O (N6TR, WN4KK, ops) 454,476 2331 121 W6E (EA7TL, EA9KB, ops) 445,356 1871 139 K6N (YT1AD, YU1RL, ops) 440,358 2228 140 W6W (LU6ETB, LU/OH0XX, ops) 437,016 2319 131 K6J (N2NT, KZ2S, ops) 426,656 1902 134 K6F (F6FGZ, F5MUU, ops) 418,375 2276 125 K6A (JH4RHF, JA8RWU, ops) 412,388 1981 131 K6H (DJ6QT, DJ2YA, ops) 411,376 2353 112 K6K (UT5UGR, UT4UZ, ops) 398,399 1863 127 K6F (T9BLB, IT9VQ, ops) 385,280 2000 128 K6B (9A9A, 9A3GW, ops) 383,166 1886 126 K6Q (VE7NTT, VE7CC, ops) 362,440 1546 130 K6E (HA0MM, HA0DU, ops) 357,885 1759 135 K6M (GI0NWG, G3OZF, ops) 357,094 1884 132 W6Z (VK5GN, VK2AYD, ops) 343,604 1822 124 W6J (SP6AZT, SP9FKQ, ops) 330,876 2023 117 W6L (UN4L, UN2L, ops) 309,518 1796 121 K6L (SP9HWN, SP9IJ, ops) 298,178 2149 97 W6N (I4UFH, I2VJX, ops) 269,028 1728 106 W6M (PY0FF, PY5CO, ops) 22,066 1580 99 W6C (IN3QBR, IT9TQH, ops) 185,070 1615 93 Checklogs 4Z5FL, AB6FO, AC5BG, DH5RUM, DJ5GG, DL1ASF, DL2AKF, DL2PY, DL5AMF, DL5UA, DL5DWW, DL5KUS, DL6KWU, DL6MWG, DL6GRH, EA1OB, EA3GBU, EA3JC, EA5AFH, EA5GR, EA7BYM, EC1ANQ, EU1PA, EW6DA, F5AAJ, G8PW, HAKY, HP1HG, K3BR, L75A, LA2CA, LA2IZ, LA2XIA, LA3BX, LA8CE, LUGVET, LZ1GW, LZ2KV, LZ2RS, LZ4AU, N0XCF, OA4BA, OH2KQ, OK1AD, OZ1UEU, PA2GWA, PA0TV, PY2FW, RA3ZAP, RK9GRC, SM5ARL, SM5PEY, SM0CSX, SP-0189-6D, SP1BLE, SP1GZT, SP2LNU, SP3DIK, SP4DZT, SP5ANX, SP5AY, SP6DMJ, SP6FJ, SP7BDS, SQ5AAS, SQ6ELP, UA1-143-1, UA4QK, UA4WAN/O, UR5FCM, UT2XX, UT5UAG, VE1ACU, WB9UGE, YO9HH, YT4I.
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