

1996 IARU HF World Championship Results

By **Billy Lunt, KR1R**
Contest Manager
and
AI Gordienko, K1PI
Assistant Contest Manager

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 contestants 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.

Top World Scores

Mixed Mode		CW Only	
Call	Score	Call	Score
ZDBZ (N6TJ,op)	2,103,090	YT1BB	1,422,282
SN2B	1,445,994	SP7GIQ	1,202,870
EU1AZ	1,107,000	OH1NOR	1,196,516
V26B	1,106,170	LY5W	1,159,950
UA3RAR	1,096,458	W2SC	1,146,072
W9RE	1,025,164	RU1A	1,105,643
YT1AD	1,017,720	(RN1AM,op)	
EX2M	988,038	C47W	1,096,050
K8AZ	983,785	(5B4WN,op)	
(K6NZ,op)		3V8BB	1,078,990
K2SX/1	975,966	(DK3DM,op)	
		OH5NQ	1,067,871
		US1E	962,920
Phone Only		Multioperator	
Call	Score	Call	Score
OI7LNI	1,342,696	HGM1H	3,354,250
5N0T	1,052,440	UU5J	2,058,308
H2T	1,012,772	RN4W	1,911,832
(5B4XF,op)		RU6LWZ	1,556,784
IO6F	853,216	RZ3Q	1,480,414
(IK6BOB,op)		RA6Y	1,478,000
OT6A	851,489	IR4T	1,410,768
TM1C	828,360	C40M	1,389,280
G6W	817,028	SL0CB	1,260,290
(G4JVG,op)		RK9AWN	1,259,881
UY7E	801,529		
UT0D	722,904		
(UT7DX,op)			
DL8PC	718,900		



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



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

Top W/VE Scores

Mixed Mode		CW Only	
Call	Score	Call	Score
W9RE	1,025,164	W2SC	1,146,072
K8AZ	983,785	N6BV	962,352
(K6NZ,op)		K5GN	960,642
K2SX/1	975,966	W1WEF	958,300
AA4NC	707,427	G4VXE/VE3	878,152
K0RF	651,922	K4PQL	877,600
WZ4F	594,270	W0SD	677,084
N9AG	589,064	(WD0T,op)	
(at WB8ENR)		K1VUT	644,832
N2PP	573,000	W3BGN	583,628
N5DX	483,426	K8GL	577,896
K9ZO	462,840		
Multioperator		Multioperator	
Call	Score	Call	Score
WB5VZL	623,700	KN2T	828,212
VE6JY	618,184	W7OM	793,800
KO3V	528,640	N3BB	699,875
K5XI	520,416	NC0P	684,894
WB2NOT	464,424	WT2Q	669,700
WA7FOE	423,864	W6REC	586,460
K4VUD	376,124	K2LE	575,960
N4UH	369,946	WA2UKP	568,562
WB1GQR	350,208	KA4RRU	531,069
(WB2JSJ,op)		N4KE	528,364
KM6YX	270,144		

IARU Headquarters Stations

DA0HQ (DK4WA,DK7YY,DL1s AOB,ASA,AUZ,AWI,DTL,EMY,DL2s EBX,RUM,SAX,DL3s ALI,APO,DXX,OI,RMA,TD,DL4ALI,DL5s ANT,AOL,AOM,AWI,AXX,CW,DQZ,MX,XU,DL6NED,DL7s UBA,UTM,VOA,VRO,DL8s AKA,AUA,AYI,OBC,DL9AWI,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,OL,ON,OO,OQ,PN,PX,VH,VR,WQ,WX,ZS,ZV,HA7s JES,PO,RY,VB,HA8s IB,IE,LKE,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 (Y02s ADQ,AUN,BBT,BP,BV,DFA,GL,IS,LDC,Y03s AC,APJ,AWC,CDN,FR1,FLU,Y04s AB,ATW,DIH,HW,SL,WP,WZ,XF,Y05s CRI,DMB,TE,Y06s AWR,GCW,Y08s BAM,ER,SS,TU,WW,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,FK,TF,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,US8IDX,UT1IA,UT2s IA,ID,II,JI,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,WT,OK2s BMA,DB,HI,LE,ON,PLK,PO,UQ,ops)	5,547,856	7111	268
W1AW/3 (AA3NM,K3s DI,NA,RA,KA2AEV,KJ4VG,N3s ADL,QYA,NSOK,ND3s A8s LPL,MR,WA3WJD,WB4NFS,WM2H,WN3K,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,LQU,MAQ,WI,ON2BAK,DX4s 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
YV1RAC (YV1JA,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 (E15DI). 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! (KIJKS). 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 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 (PA0RCT). 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 (N0DH/7). 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 (W3DH). 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

VC6JO (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
VE7VJ 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 CFD,COK)
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
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
VE3STT 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
K16OY 8,352 148 24 B
N6OK 2,431 51 17 B
W6EMS 455,700 1361 105 C

Los Angeles

KJ6HO 376,225 1291 101 A
K6DI 207,759 1025 69 A
KC6X 136,598 508 77 A
N6GL 32,214 340 39 A
N26N 10,025 123 25 A

Sacramento Valley

KM6YX 270,144 1002 96 B
KQ6ES 25,124 229 44 B
W6OK 15,718 159 29 B
NA2D 12,716 154 34 B
WA7BNM 33,026 272 49 C

Orange

WA6FIT 21,105 258 35 A
N6CMF 19,260 276 30 A
W6TKV 29,328 276 39 B
KE6UP 11,340 155 36 B
KG6RHT 68,423 469 53 C

Santa Clara Valley

W6TF 21,105 258 35 A
N6CMF 19,260 276 30 A
W6TKV 29,328 276 39 B
KE6UP 11,340 155 36 B
KG6RHT 68,423 469 53 C

Santa Barbara

W6TKF 29,485 891 97 A
W7CB 4,212 92 18 A
WA6FGV 145,026 854 63 C
W6KBY 37,850 284 50 C
N6VR 21,692 205 44 C

Montana

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

Utah

W6TLP 141,900 772 66 A
WA6UFY 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

W6NK 141,900 772 66 A
WA6UFY 5,104 115 16 A
W6CN 49,920 268 64 B
N6KI 293,328 1018 97 C
AA6EE 4,928 120 22 C

San Diego

W6NPK 141,900 772 66 A
WA6UFY 5,104 115 16 A
W6CN 49,920 268 64 B
N6KI 293,328 1018 97 C
AA6EE 4,928 120 22 C

San Jose

W6NPK 141,900 772 66 A
WA6UFY 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
WA6LLY/6 2,054 136 13 A
W6AOEM 4,420 84 20 B
WW6D 27,972 272 42 C

San Joaquin Valley

W5

N6MI 314,496 1202 84 A
KD6MOS 45,540 345 44 C
K9NF 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

Western Washington

KC7EFP 113,951 551 69 A
N7UUJ 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 16,972 271 31 C

NN7A 1,584 100 12 C

Eastern Washington

N0DH/7 287,823 837 111 C

Idaho

AA0WO 22,737 283 39 A
KJ7TH 66,150 401 70 B

W7LQU 600 42 10 B

W7ZRC 202,440 884 70 C

Montana

K5T 107,331 593 57 A

Oregon

KI7Y 33,516 420 42 A
AG7J 22,916 310 34 C

Utah

AB7GP 5,512 166 13 A
KJ7ST 3,255 163 15 A

AF7O 23,790 268 39 B

WA6HXE 22,902 270 33 B

W7HS 20,615 210 31 C

KJ7BD 2,000 72 10 C

K6XO/7 (+AB7GM, KJ7WX, 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

KV4K 4,300 79 20 A

WA7FOE 423,864 1360 116 B

N7DOE 11,016 248 17 B

KJ7QT 6,739 173 23 B

W7ON 79,110 625 54 C

WA7UJV 39,100 405 46 C

KF7QF 3,674 65 22 C

Zone 7

W5

Arkansas

AB5SE

KJ5WX

KM5G

NO5W

KZ5D

K5UA

NZ5O

KZ5Y

KM5AV

K5MC

WA5KNC

N5OZB

KJ5SS

WQ5Y

KJ5WSS

NZ5V

WQ5Y (+KC5JAZ, NZ5V)

73,296

329

72 D

Mississippi

WA5YU

N5QDE

KW5OY

WQ5Y

(+KC5JAZ, NZ5V)

73,580

78

20 B

West Texas

K5ED

N5ZMP

KM5BN

WQ5Y

(+KG0ZQ, NZ5V)

204,225

967

75 A

W9

Illinois

K9VFA

KW5OY

WQ5Y

(+KC5JAZ, NZ5V)

204,225

967

75 A

Wisconsin

KA9FOX

N9THK

WQ5Y

(+KC5JAZ, NZ5V)

217,189

1109

71 D

Iowa

AD0H

WQ5Y

(+KC5JAZ, NZ5V)

5,985

151

15 A

Colorado

K0RF

WQ5Y

(+KC5JAZ, NZ5V)

39,840

334

40 B

North Texas

K9MWM

WQ5Y

(+KC5JAZ, NZ5V)

5,738

100

19 B

Colorado

K0CS

WQ5Y

(+KC5JAZ, NZ5V)

4,215

95

15 B

AA0YX

(+KG0ZQ)

684,894

826

138 D

K0IJL (+AA0BY,ops)	441,618	1267	112	D	
Missouri					
NSDB	159,185	655	79	A	
ABD9V	8,874	213	17	B	
NW0B	5,817	95	21	B	
N0JHX	1,500	131	20	B	
N0TT	254,982	741	78	C	
KM0L	85,302	470	63	C	
KS0M	33,715	193	55	C	
AA0NB	26,714	256	37	C	
WA0IY	7,930	107	26	C	
Nebraska					
KG0KR	27,456	250	39	C	
South Dakota					
W0SD (+WD0T,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	
KA1MH	40,300	292	62	A	
KB1GW	78,975	435	81	B	
KD1TM	49,790	292	65	B	
KE1AU	10,032	100	44	B	
N1FO	490	17	9	B	
W1WEF	958,300	1907	148	C	
KB1H (KE1BY,op)	304,220	828	106	C	
W5GOI	228,732	807	84	C	
KE4GI	13,629	179	33	C	
WT0M (+W1NG)	793,800	1518	175	D	
W1BH (+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	
N1QY	114,336	515	96	A	
KQJLF	101,371	365	89	A	
AA1KY	40,460	204	70	A	
KHTN	24,326	192	52	A	
K1PLX	125,468	583	88	B	
AA1EY	47,175	245	75	B	
KD1YN	47,058	682	69	B	
K1VUT	644,632	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	
W0IN	28,336	170	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					
W1CGP	21,356	180	38	C	
KS9ZI (+NET)	61,404	307	68	D	
New Hampshire					
K3MD/1	159,322	1055	74	B	
WS1A	9,176	424	86	B	
N6BV	982,352	1865	144	C	
W1ALNP	173,098	958	71	C	
K1EJR	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	
N8LYE	2,700	94	15	A	
W1AMKS	15,512	156	28	B	
N1OME	35,197	254	61	C	
K2MN	392	22	7	C	
N1TLX (+NET)	37,848	256	57	D	
Vermont					
N1RUF	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 (+KY1WM1,WK1NU1,K6GBER,KB1W,NU1P,AA1AS)	669,700	1447	148	D	
N6RFM (+NET)	130,456	630	92	D	
W2					
Eastern New York					
KC2OF	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 (+WA2JOK)	568,562	1471	134	D	
NYC-Long Island					
WB2AYO	35,402	233	62	B	
KC6ETY	30,422	126	53	B	
WB2BTJ	1,988	52	14	B	
N2GC	126,756	451	84	C	
KA2HJM	102,648	624	52	C	
K2LE (+N2UN)	57,960	1286	154	D	
WM2V (+WA2SYN)	138,484	418	89	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	
NH3Q	54,599	221	71	A	
K3TX	31,056	255	48	B	
W3QX	528,640	1400	128	B	
W3BGN	583,628	1264	116	C	
AA3B	556,693	1346	129	C	
W2UP	129,808	476	76	C	
KL7HJR	127,131	523	93	C	
NM2Y	102,141	451	181	C	
K3ANS (+NET)	34,986	252	49	D	
Maryland-DC					
AA3OC	110,753	433	93	A	
NF3X	9,075	58	55	A	
K3JXD	84,854	456	77	B	
KC3RN	50,443	267	73	B	
KA3MTQ	4,884	98	22	B	
WA3YSW	1,952	64	16	B	
AA3HM	238,680	675	104	C	
KX3Y	169,497	445	111	C	
W3CP	28,000	208	56	C	
AA3NB (+AA8RT)	36,630	301	52	D	
W4					
Alabama					
W4ZM	594,270	1622	135	A	
K4VJT	44,574	240	57	A	
KK4SM	71,280	990	72	C	
W4NTI	59,354	370	59	C	
KS4YT (+KB4FAI,KF4HYU)	97,200	807	48	D	
Georgia					
AA4GA	252,450	920	102	A	
N2ZL	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	A	
AE4PT	2,145	53	15	A	
AC4PY	41,412	276	51	B	
N4XM	255,136	650	112	C	
K1AO	166,050	685	90	C	
KABOKH	44,496	258	54	C	
KM4FO	5,362	159	14	C	
W4CN (KD4CLO K1DC,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	A	
N4UH	369,946	1222	109	B	
WA4ZXA	181,480	759	104	B	
KC4YM	106,953	593	77	B	
K54XG	77,841	343	81	B	
W9					
Illinois					
K9ZQ	462,840	1430	116	A	
K9MMS	94,424	436	74	A	
K9UQN	14,384	173	31	A	
AA4NF	4,347	91	23	A	
NE0P/9	946	52	11	A	
K9BLEB	168	36	4	A	
N9LCR	36,192	272	52	B	
W9LYA	15,542	201	38	B	
N9OGE	13,733	203	31	B	
K9BIWU	12,489	255	23	B	
W9LYN	6,300	115	28	B	
K9OM	105,530	628	61	C	
W9EBY	23,247	256	41	C	
W9QJE	11,798	129	34	C	
AA9KH	8,558	125	27	C	
KF9IF (+K9NR,KB9s,JZU,KZP)	25,738	317	34	D	
Indiana					
W9RE	1,025,164	2071	164	A	
AA9CG	40,260	276	61	A	
KB0C	97,560	380	90	B	
W14HH (LU3HUU,LU8HSO,ops)					
		397,176	756	114	D
Paraguay					
ZP0M (ZP5XF,op)	322,424	832	82	B	
ZP0C	321,288	777	88	B	
Zone 15					
Brazil					
PW2N (PY2NY,op)	72,144	236	72	A	
PY2APQ	30,014	146	43	A	
PY2SY	4,860	153	20	A	
PP5JR	74,458	280	59	B	
PP5WN	11,625	109	25	B	
PY1OB	3,248	53	14	B	
PP5UA	2,041	39	13	B	
PY2OZF	1,995	31	19	B	
ZV5E	336	22	7	B	
ZWZZ (PY2ZI,op)	388,791	1297	117	D	
Zone 9					
Maritime-Newfoundland					
VE1VR	89,270	357	79	A	
VE9CB	25,144	296	28	A	
VE9KM	61,800	328	60	B	
VE9ZL	40,320	240	48	B	
VO1UO	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	
N5DX	102,168	498	66	B	
XE3LMV	7,968	158	16	B	
XE2TH	7,344	147	16	B	
Norway					
LA8NC	11,610	141	27	A	
LA1PHA	4,526	50	31	A	
LA2EIA	57,120	266	85	B	
LA4BN	53,480	260	70	B	
LA2JR	23,316	145	58	B	
LA9CQ	8,448	99	32	C	
LA5MT	68,562	298	78	C	
LA9HFA	25,584	104	48	C	
Aland Islands					
OH0BV	904,608	1830	144	A	
Finland					
OH1NOA	407,548	1022	139	A	
OZ1LNI	1,342,696	2052	188	B	
OH5PA	7,062	71	33	B	
OH1NOR	1,196,516	1830	178	C	
OH5MO	1,067,871	1459	211	C	
OH6YF	798,504	1610	147	C	
OH2PM	762,224	1248	20	C	
OHBLAE	527,680	1002	160	C	
OH2YL	26,657	151	61	C	
OJ2LNH	3,510	46	27	C	
OJ3KAG (OH1KAG,OH3LQs,LQK,MHM,ops)	603,074	1369	142	D	
Denmark					
OZ5MJ	150,178	424	119	A	
OZDL2HEB/P	66,272	306	76	A	
OZ1APA	18,618	106	87	A	
OZ5EV	165,540	354	155	B	
OZ1ACB	74,760	303	84	B	
OZ8BT	27,620	160	65	B	
OZ1JSH	23,370	205	38	B	
OZ8SW	119,446	488	84	C	
OZ1KKG	103,375	341	104	C	
OZ4FF	63,664	242	92	C	
OZ5WO	4,158	65	22	C	
OZ5DX	2,464	67	11	C	
OZ5UR	2,023	43	17	C	
Sweden					
SM5IMO	7				

Zone 25	Zone 28	<td>SP21/CDR (+ops)</td> <td>589,964</td> <td>1366</td> <td>16 D</td>	SP21/CDR (+ops)	589,964	1366	16 D
Asiatic Russia	Croatia	SP3PLD (SP3e BZB, CBL, FLR, HBF, IBM,ops)	320,850	833	155 D	
RKQXY 6,080 78 14 C	9A3QK 78,957 427 93 A	SP3PFR1 (SP3e BZN, MCP,ops)	69,255	330	81 D	
Zone 26	9A4D 126,984 429 111 B	SP9KJU (+ops)	16,697	146	59 D	
Asiatic Russia	9A5M 62,031 318 67 B					
UAQKAT 16,621 144 39 A	9A3ZC 29,680 182 70 B					
UAQKCL 15,402 144 45 C	9A3SM 89,173 343 97 C					
	9A5I 74,152 378 104 C					
	9A3L 17,873 141 61 C					
	9A1CHP (+ops) 77,900 429 76 D					
Zone 27	Fed. Rep. of Germany	HG5M (HA5s BHD, EH, OF, MY,ops)	94,039	565	83 D	
Ireland	DK7GH 320,264 701 152 A	9A6GZ 169,076 712 97 C	5,684	188	21 A	
EJ5DI (E15DI,op)	DL7VOG 287,452 800 139 A	HA6HV 111,744 420 98 C	5,828	188	21 A	
E14DW 32,895 229 43 C	DL4YT 208,131 659 119 A	HA4G1T 97,328 500 79 C	4,890	93	30 A	
France	DL5DMF 203,691 613 129 A	HAM6VA 60,976 220 103 C	OK1DKS 38,553	233	71 B	
F5NBX 307,040 856 101 A	DL1ARJ 149,760 496 120 A	HA5LZ 52,052 271 52 C	OK2DEY 8,697	100	39 B	
F5RMY 121,104 482 87 A	DL2AYI 72,270 357 98 A	HA6GG 43,416 360 54 C	OL8M 45,772	104	164 C	
F5RDX 26,895 179 55 A	DL6UAM 46,830 287 70 A	HA3GT 43,097 249 71 C	OL4M 290,927	778	139 C	
F5HWB 21,360 138 60 A	DL3BRX 22,848 175 66 A	DAL,TJ,ops) 3,354,250 4305 250 D	OK2BXR 145,824	450	112 C	
TM1C 828,360 1578 130 B	DL6DO 18,144 146 56 A	HG5M (HA5s BHD, EH, OF, MY,ops)	OK1FHI 129,286	442	127 C	
F5RZJ 435,668 927 138 B	DL6AKK 8,773 283 31 A		OK2EQ 101,227	404	99 C	
F5NZO 131,274 421 102 B	DL7BY 7,801 69 29 A		OK2SAT 98,307	379	99 C	
F5TCN 107,074 461 62 B	DL8PC 718,900 1228 105 B	HG5C (HA1C, HA5s LV, MO, WE, N9NC, W9YR,ops)	OK1NG 93,408	455	84 C	
F5PCX 77,952 294 84 B	DL8RQ 48,440 285 56 A		OK2TBC 78,960	335	80 C	
F2R0 52,029 234 69 B	DL8SDC 108,928 392 92 B		OK1FCA 50,176	326	64 C	
F2NH 39,406 646 61 B	DF7YU 81,081 375 63 B		OK1DKMS 46,746	111	42 C	
F5PVJ 15,933 125 47 B	DL1JPL 76,077 353 79 B		OK2EC 44,946	215	66 C	
F5JBF 11,980 109 40 B	DL1NOF 44,730 283 70 B		OK1AOU 34,680	168	85 C	
TM9C 374,840 892 120 C	DF5BX 44,548 236 86 B		OK1KWK 17,193	156	33 C	
F5PGP 373,544 982 106 C	DL9OBQ 277,240 728 145 B		OK1WU 5,460	65	28 C	
F6CEL 117,760 702 46 C	DK6AY 44,382 266 78 B		OK2BHE 224	32	12 C	
F5RAB 88,120 314 102 C	DF3IS 36,112 222 61 B		OK1KCF (+ops) 48,980	260	79 D	
F5NQL 78,310 357 82 C	DL3MG 35,552 46 101 B					
F5TJ 18,800 129 60 C	DL5UH 27,090 161 70 B					
F2PH1 7,880 100 21 C	DL9MFN 20,618 130 61 B					
FB1BAM/P 7,000 95 25 C	DL9K8KY 18,144 85 63 B					
TM2T (F5s PJE, PRK, SH,ops)	DF1DX 17,727 133 57 B					
1,098,220 1819 172 D	DL9BDK 12,087 109 51 B					
England	DL5FCV 11,880 101 80 B	I0G (IKY0UT,ops)	853,216	1694	182 B	
G6T (G3NYY,op)	DL1HSP 8,008 76 56 B	IN3ZNR 530,720 1013 160 B	OM1GM 74,400	502	62 C	
DL7UHQ 6,864 80 39 B	I0A4 (IK4PVR,ops)	OM9TR 25,375	255	35 C		
G6GE 356,004 917 116 A	DL7UQ 219,184 788 103 B	OM3WQQ 1,484	76	14 C		
G0FOS (G0VYH,op)	DL7Z/A 4,794 57 34 B					
G0KRL 254,400 776 106 A	DL7CU 4,182 65 34 B					
G6W (G4JVG,op)	DL9ZQW 4,118 54 29 B					
G8VSN 817,028 1470 157 B	DL3KDC 2,496 52 32 B					
M6Z (G4BW,op)	DK5KJ 1,344 34 24 B					
G6G 302,844 674 134 B	DH0GDS 1,098 50 9 B					
G6G 334,020 202 63 B	DK7YQ 744 66 26 B					
G6G 631,680 1284 141 C	DL3KUD 330,900 804 150 B					
G3ESF 392,953 993 139 A	DL6EBT 304,885 741 155 C					
G3TXF 176,804 467 130 C	DL4DQE 159,360 510 120 C					
G9WUF 92,115 310 89 C	DL2DNW 241,200 615 144 C					
G6QQ 67,584 259 94 C	DK7XS 208,256 587 128 C					
M/WC6U 53,244 222 58 C	DL7BQ 203,171 570 137 C					
G3RSRD 34,020 202 63 B	DL3JZN 172,788 446 132 C					
G4OTY 10,019 85 43 C	DL1JF 160,392 480 123 C					
M6A (G4s EOC, GVF, JA1,FE,ops)	DL4DQE 159,360 510 120 C					
633,302 1491 122 D	DL8VN 134,794 556 108 B					
M6Q (G4BU,op) (+NET)	DL6KVA 160,672 309 144 C					
239,604 562 122 D	DL6AG 113,880 393 104 C					
G0WAX (+G0WGA)	DL1TH 112,770 408 105 C					
85,025 305 75 D	DL1FY 103,008 367 96 C					
G0NKL (G0s MPJ, QFO,ops)	DL1FH 98,856 405 72 C					
16,646 142 41 D	DL5SH 75,660 345 97 C					
Scotland	DL5SVB 39,405 282 71 C					
GM6V 439,065 1311 99 A	DL5KUD 75,240 292 110 C					
GM6Z (GM0ECO,op)	DF3HJD 72,048 376 76 C					
371,758 1018 119 B	DL7ANQ 66,405 305 95 C					
Wales	DF8MW 61,789 271 91 C					
GW0AJI 17,050 134 55 B	DL9XV 81,180 286 92 C					
GW0RTA 1,079 33 13 B	DL1ALN 56,311 206 99 C					
GW6A (G0s KXL, EQI, STU, G4s NXG, WSE, G3RTU, G1A0F,ops)	DL3KWR 44,819 215 93 C					
553,224 1506 111 D	DL5RA 25,350 208 50 C					
Luxembourg	DL7VAF 23,370 148 57 C					
LX1EP 123,120 870 80 B	DL8EAQ 17,728 139 84 C					
LN0RL (LX1s JH, KG,ops)	DL0VLP 14,204 129 53 C					
61,202 304 71 D	DL1OO 16,554 133 62 C					
Belgium	DL1CW 13,432 128 46 C					
ON7NQ 223,572 513 124 A	DL2HUM 33,681 190 63 C					
ON4CAS 107,120 360 104 A	DL4DFM 30,160 184 58 C					
OT6A (ON4MA,op)	DL5JRA 25,350 208 50 C					
851,489 1468 151 B	DL7AF 30,160 184 58 C					
ON4AYM 457,211 1083 107 B	DL7XAF 25,370 148 57 C					
ON5GQ 293,454 703 126 B	DL8EAQ 21,728 139 84 C					
ON4CBW 30,756 160 68 B	DL8ZP 351 19 9 C					
ON4BG 8,474 71 38 B	DK0EE (DL1MF, DL4L MF, MDO, MEH, ops)					
ON4AEB 298,480 736 130 C	875,546 1386 179 D					
ON4XG 134,961 398 112 C	DF0DX (DL1YW, DK5Q, DF8XC, DF9DX,ops)					
ON6TJ 84,034 277 94 C	544,482 1165 162 D					
OT6P (ON4LM, ON6s AH, MH, OR, ON7PC,ops)	DK2QZ (DLBMPG, DLBMPG,ops)					
857,115 1703 135 D	410,256 1253 132 D					
ON5LL (ON4s AEK, AHF, AKL,BR, ON6s NL, ZX, ON7WK,ops)	DL0FCU (DL2LSO, DL5YMM,ops)					
88,384 411 64 D	271,542 474 167 D					
Netherlands	DL0DR (DG1TU, DK1P, DLs, IAI, IAM,ops)					
PA3FNE 256,078 675 122 A	82,490 735 130 D					
PA0CLN 194,922 585 117 A	DL0WMD (DLBKWM, DL9GRC,ops)					
PA0MIR 139,634 442 121 A	100,842 467 98 D					
PA0EXI 4,956 67 28 A	DK0MN (DK3YD, DL5MFH,ops)					
PA0KHS 210,947 577 127 B	82,272 357 96 D					
PA3DJW 20,557 126 61 B	DL0TUD (DL6DVU, DH5FS,ops)					
PA3GAB 18,312 182 34 B	71,040 344 80 D					
PA0JUM 2,544 85 12 B	DL8GMN (+NET) 11,388 97 52 D					
PA0RCT 265,356 701 126 C	HA8FW 75,152 299 88 A					
PA0LOU 162,604 435 118 C	HA6MZO 23,520 208 49 A					
PA0PVD 141,570 404 117 C	HA4MB 27,786 328 33 B					
PA0COE 74,880 320 78 C	HA9MD 5,529 115 19 B					
PA3BTH 37,125 171 75 C	HA9M9DA 5,070 132 15 B					
PA3BEJ 12,376 102 52 C	4,455 71 27 B					
PA3AFF 9,593 79 53 C	HA9MCQ 4,455 71 27 B					
PA0TA 748 24 11 C	HA9MET 2,582 71 14 B					
	HA3LI 324,522 833 149 C	OK2AJ 13,650 143 30 A				

RU3NF (RU3DX,op)	25,898	208	46	A	RU4WW (UA4s WGU,WJR,RU4WJ,ops)	1,911,832	2269	248	D	EA2CR	1,005	23	15	C	K7KEQG	1,547	39	13	C	K6T (K4BAI,KM9P,ops)
RV1AB	15,096	174	34	A	RU4WWA (RW4WA,UA4WA,ops)	537,600	1190	140	D	ED5URN (EA5s AIF,CKP,EOC,FUF, GPP,KW,ops)	324,576	900	112	D	JA9CWJ	1,536	24	16	C	W6R (K6LL,N2IC,ops)
UA3WW	12,312	106	54	A	RU4WWC (RA4s -033-UD,-044-UD,ops)	101,220	403	84	D	Balearic Islands					JF7VVL/7	1,413	43	9	C	655,720 2424 169
UA4NC	94,863	293	103	B						EA6ZS	2,340	52	15	A	JE3CYH	320	14	8	C	K6P (VE3EJ,VE3IY,ops)
RW3QF	66,900	326	75	B						EA6ACF	44,370	306	51	B	JA1AAAT	24	4	2	C	647,112 2343 177
RZ3FR	55,510	295	70	B										K72GMF	6	3	2	C	K6C (K4UEE,N6IG,ops)	
RZ3EC	51,824	250	82	B										JA1YXP (JM1UWB,JU2JCF,ops)					644,059 2355 169	
UA1CKC	41,808	326	39	B											477,996	1000	122	D		W6T (K5ZD,WX3N,ops)
UA4SKW	28,202	158	59	B										JA0YAK (JF0ESV,KF1USR,JI7TAR, JMTSGO,KE0ETP,ops)					616,308 2170 174	
RJ3WT	23,253	149	69	B											244,728	648	88	D		W6D (K1KI,K3UA,ops)
UA6LT	15,950	93	50	B										JG4CLV (+NET)	175,102	3019	58	D	608,550 2145 175	
RW3FO	317,704	790	151	C										JA9YAV (JA9KUG,JF0EGG,ops)					598,272 2233 164	
UA1QM	271,080	736	135	C											45,017	205	59	D		W6I (KF3P,KR2J,ops)
RW3YA	214,840	583	131	C															577,575 2352 151	
UA4AGP	143,524	503	106	C															568,435 2370 149	
RU1AO	118,404	347	132	C															568,378 2465 146	
UA4YJ	113,498	340	121	C															556,928 2261 152	
UA4AGO	107,848	380	104	C															547,404 2204 156	
UA4SS	91,665	391	97	C															545,756 1993 167	
UA4SBZ	82,814	385	94	C															532,728 2183 147	
RK3AD	76,755	278	85	C															531,552 2256 147	
RK3QVM	56,828	279	72	C															530,000 2100 155	
RA4LH	54,016	303	64	C															527,592 2238 152	
R26HX	44,766	298	54	C															523,672 2478 134	
UA4AHA	40,672	263	62	C															518,666 1960 163	
RV6YB	31,044	274	39	C															512,535 2318 141	
Uzbekistan																			509,392 1958 158	
UK7F	61,824	247	69	A															507,318 2257 141	
Kazakhstan																			507,796 2143 148	
R23Q (RA3QJG,RW3QC,OO, RZ3QQ,UA5Q,ODQ,ops)	1,480,414	2515	194	D															W6H (RW1AC,RV1AW,ops)	
R66Y (RA6s AA,UX,LBQ,RW6YY, RX6MM,RA6s AJJ,LBX,RV6LNA, LOB,ops)	1,556,784	2230	228	D															497,985 1841 163	
RZ3Q (RA3QJG,RW3QC,OO, RZ3QQ,UA5Q,ODQ,ops)	1,478,000	2452	200	D															K6I (JH7PKU,JO1BM,ops)	
RK3UWA (+ops)	334,356	177	132	D															488,940 2296 145	
RK4FWX (RW4FO,UA4s FMV,FOA,ops)	270,270	823	110	D															K6S (ON4UN,ON5CB,ops)	
RK3DZD (RV3DA,DC2Z,DLK, RZ3DTM,ops)	187,131	647	109	D															480,328 2120 154	
RZ4AYT (RA4AI,UA4s AIY,ALI, UA9CD,ops)	184,977	573	117	D															W6U (EA1AK,EA4KR,ops)	
RK3EWZ (RA3EO,R3E-8,ops)	50,260	287	70	D															470,744 1918 152	
RK3EWW (RA3EA,R3E-9,R3E-10,ops)	48,860	265	70	D															W6G (JE1JKL,JH7VKQ,ops)	
Ukraine																			470,237 1984 139	
EO6F	827,931	1624	169	A															K6U (SM3DMP,SM3CE,ops)	
UX1UA	345,144	832	146	A															465,075 2165 135	
UT1II	210,192	562	58	A															W6O (ZS6EZ,ZS6NWN,ops)	
UR7R	171,360	586	102	A															461,553 2093 137	
UY5TE	136,996	483	116	A															K6O (NE6TR,WN4KKN,ops)	
UX1VX	85,008	371	88	A															454,476 2331 121	
US3IZ	75,516	354	87	A															W6E (EA7TL,EA9KB,ops)	
UT7CA	44,550	262	66	A															445,356 1871 139	
UR7CA	40,788	250	66	A															K6N (YT1AD,YU1RL,ops)	
U4RQIN	40,468	269	67	A															440,352 2228 140	
U81529	80,159	1370	193	B															437,016 2319 131	
UT0D (UT7DX,op)	722,904	1445	156	B															K6J (N2NT,KZ2S,ops)	
U5YQQ	647,064	1206	172	B															426,656 1902 134	
UR7E	515,514	1090	151	B															W6K (F6FGZ,F5MUX,ops)	
UX0HA	213,457	662	113	B															418,375 2276 125	
UU0JZ	185,200	616	100	B															K6A (JH4RHF,JABRW,ops)	
UX8ZN	72,816	282	82	B															412,384 1981 131	
UT1WA	64,124	282	82	B															K6H (DJ6QT,DJ2YA,ops)	
UR4MS	53,440	279	80	B															411,376 2353 112	
UX2VZ	26,535	169	61	B															K6K (UT5UGR,UT4UZ,ops)	
UT3HD	15,120	108	55	B															398,399 1863 127	
US1E	962,920	1622	181	C															K6F (T9BLB,T9VDO,ops)	
EN6Q (UT7QF,op)	959,393	1636	191	C															385,280 2000 128	
EO7V (UR7VA,op)	639,360	1202	180	C															K6B (9A9A,9A3GW,ops)	
UT7ND	446,572	901	164	C															383,166 1886 126	
UT3UZ	414,798	1014	137	C															K6Q (VE7NTT,VE7CC,ops)	
UR6UW	210,639	550	143	C															362,440 1546 130	
UX3M (UR3MP,op)	199,128	624	116	C															K6E (HA0MM,HA0DU,ops)	
UX5EF	110,548	390	116	C															357,885 1758 135	
UR5MTA	88,677	383	101	C															K6M (GI0NWG,G3ZF,ops)	
UT5UJY	88,400	304	35	C															357,094 1884 132	
UT1QA	87,120	473	66	C															W6Z (VK5GN,VK2AD,ops)	
UT2UB	80,432	322	82	C															343,604 1822 124	
UT1WW	71,060	278	95	C															W6J (SP6AZT,SP9FKQ,ops)	
UY5WA	46,512	274	72	C															330,876 2023 117	
UR5ZOS	46,176	247	74	C															W6L (UN4L,UN2L,ops)	
UT7LW	43,365	239	59	C															309,518 1796 121	
UX2ZZ	27,864	200	54	C															K6L (SP9HWN,SP9JU,ops)	
UU2JU	18,944	110	64	C															298,178 2149 97	
UU5J (+UU1JA,UU2s JQ,JW, UU3JD,UU0UJX)	2,058,308	2510	266	D															W6N (I4UFH,I2VXJ,ops)	
UT7W (UR5s WAN,WLC,UT7VW,ops)	197,062	192	1576	B															269,028 1728 106	
UR4E (UR5s ECW,EDX,ops)	70,192	864	104	C															W6M (PY0FF,PY5CC,ops)	
UR4PWC (UT4PZ,US-P,272, US-P-273,ops)	415,776	982	142	D															231,066 1580 99	
UR4MFU (UR4MT,UR5s MA,MB, MFE,ops)	67,635	350	81	D															W6C (IN3QBR,IT9THQ,ops)	
Latvia				</td																