Results of the 2011 CQ WW RTTY DX Contest

BY ED MUNS,* WØYK

The 25th annual running of the world's largest RTTY competition kicked off the CQ WW season on a memorable propagation weekend. The MUF was almost too high, with the SFI peaking at 169, enabling 10 and 15 meters to reach virtually anywhere worldwide with modest power and antennas. During the day, 20 meters was effectively blacked out with the solar flux so high. At mid-day, there were hardly any signals visible on the 20 meter bandscope. Accordingly, 80 and 40 meters were much more challenging this time than they have been in the recent years of the solar minimum.

Participation in RTTY contests continues its ascent, and all-time highs were set in this event. 14,403 callsigns were present—an 18% increase over the prior year. Submitted logs rose 25% from the previous high of 2681 in 2010 to 3373 in 2011. A portion of this increase was due to a more aggressive pursuit of log submissions from casual participants who operate for reasons other than score. There were QSOs with 214 countries and all 40 zones.

UZ2M captured the most accumulated zones at 145, with ES9C and EF8M tied at 143, and RL3A in fourth with 141. Country accumulation was led by ES9C with 453, followed by EF8M with 447, UZ2M with 419, and CN3A with 419. The top NA country totals came from the east coast, where KI1G had 403 and K1SFA had 400. Further down the country standings was P49X in 14th place with 382.

VE/US multipliers were readily available on all bands, with P49X logging 264. W6YX and EF8M tied for second with 260. K1SFA was third with 252. As intended by the founders of this contest, this third multiplier that subdivides North America better levels the playing field with Europe's access to many more countries on the low bands.

Twelve new world records were established, while 62 new continental records were set, 44% of the total world and continental records possible! From the following table, it is clear how the MUF affected propagation with the records heavily weighted on 10 and 15 meters:

	World		Continent	
	New	Avail.	New	Avail.
SO10	4	4	17	20
SO15	3	4	13	20
SO20	1	4	3	20
SO40	1	4	2	20
SO80	1	4	5	20
SOAB	1	4	14	20
MS	1	2	3	10
M2		1	3	5
MM		1	2	5
Total	12	28	62	140

(Assisted and unassisted categories combined)

This is the result of optimal 10–15 meter propagation coinciding with record participation.

Single-Op High Power (725 logs)

Single-Op All Band High Power (550). Top honors go to Arunas, LY5E (LY2U), who set a new European record with 6.3M points. Dennis, 6Y6U (W1UE) took second place, while establishing the new North America record with 6.0M. Filipe, CR6K (CT1ILT), was close in third place with 5.8M. John, K1FWE, grabbed the new USA record with 5.0M. In all, 36 of the top 50 all-time slots in this category are now occupied by participants in the 2011 contest!

Single-Op 80 Meters High Power (12). Daniel, VE2SB, won with 92K and set the new NA record. Mauro, IN3QBR, was second and led Europe with 82K. Waldir, PY2WC, set the SA record with just 77 points, so there are still lots of record opportunities available!

Single-Op 40 Meters High Power (21). Paolo, YW4D (YV1DIG), won this category with 471K. The next four places were in Europe (YT8A, 9A3AAX, S36W, and S51CK), followed by three USA stations (WØGJ, K7WP, and W1TY/2).

Single-Op 20 Meters High Power (33). Gennadiy, UN1L, made 667K from Asia to win, while SO4M took second place with 642K and John, KK9A/4, took third with 614K, short of his NA record set in 2010. Matteo, T77NM, took fourth with 608K.

Single-Op 15 Meters High Power (44). Robert, ST2AR, blasted this world record by 31% with a score of 1.1M, and Juan, YW5T (YV5JBI), took second place with 744K. Leo, S50R, set a new European record with 695K for third place world, and Yuri, EYØA (UA4LCQ), set a new Asia record for fourth place.

Single-Op 10 Meters High Power (65). Rene, LU7HN, set the new world record with 844K and Max, KH6ZM, took second place with a new Oceania record. Third place world was Yasu, JA6WJL, with 447K and the new Asia record. Fourth place Erik, PI4DX (PD1DX), won Europe with 385K.

Nuno, CT1EEK, had "incredible fun" on a revived 10-meter band and took third place Europe in 10 Meters Low Power.

The 400-year-old (adding all their ages!) CR3L Multi-Multi team—(left to right) DJ6QT, DK4QT, DJ6XV, DM3BJ, DL6TK, and DL1YFF—narrowly surpassed the youthful K1SFA competitors for first place.

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This fine ED1R team took third place in Multi-Two. Left to right: EC1KR, EB7ABJ, EC4DX, EC7AKV, and EA4AOC.

Single Operator Low Power (1589)

Single-Op All Band Low Power (1238). Fabi, VA2UP, was first place world with a new NA record and 4.0M, and Mohamed, 5C5W (CN8KD), was second with a new Africa record and 3.9M. Don, AA5AU, took third with 2.7M and Enrico, 6V7X (IK2FIL), took fourth with 2.5M. Ted, HI3TEJ, was fifth with 2.4M.

Single-Op 80 Meters Low Power (14). Gyorgy, HA1WD, was first with 71K. Gordon, NQ4K, set a new NA record with 9K.

Single-Op 40 Meters Low Power (39). Tomek, SP3VSE, took first place with 211K, Jan, SP6IHE, was second with 156K, and Andris, YL3CU, was third with 141K. Nori, JL3TMH, set a new Asia record with 35K.

Single-Op 20 Meters Low Power (85). Gennady, EU1DX, had the first-place finish of 351K and Melnikov, RM2M, took second with 336K. Costantino, IC8TEM, was a close third with 335K and Iacopo, IK5AWB, took fourth with 318K.

Single-Op 15 Meters Low Power (84). Ion, YO3JF, made 382K for first place and Andrei, UZ7HO, took second with 378K. Third-place Dimitry, 4Z5CP, set a new Asia record with 340K and in fifth place Bill, VY2LI, set a new NA record with 265K.

Single-Op 10 Meters Low Power (129). This category set all new world and continent records. Augusto, PY2EB, was first with 423K and Sulaiman, 7Z1SJ, was second with 395K and a new Asia record. Francisco, EA7ISH, took fourth with 325K and the new Europe record, while Nicolas, FG4NO, took sixth with 265K and the new NA record. Fifteenth-place Duarte, CT3HF, set the new Africa record with 130K.

Single-Op Assisted High Power (373)

Single-Op Assisted All Band High Power (288). Rick, KI1G, was first place world with 6.4M and the new NA record. Yuri, RG9A, was close behind with 6.2M, and third-place Boyan, LZ8E (LZ2BE), had 5.5M for a new Europe record. Bud, AA3B, took fourth with 4.9M.

Single-Op Assisted 80 meters High Power (7). The first five places came from Europe: Mario, IZØKBR, with 116K, Silvio, IZ5DIY, with 110K, Alajos, HA3LI, with 94K, Alex, UX1UX, with 75K, and Francesco, IKØXBX, with 50K. Sixth place Vit, RXØAT, set the new Asia record with 17K.

Single-Op Assisted 40 meters High Power (11). The first ten places were in Europe: Marco, I4LXV, was first with 458K, Vladan, YT1VP, was second with 410K, Vlad, UW4I, was third with 294K, Andrey, RW4PL, was fourth with 291K, and Bengt, SM6FUD, was fifth with 165K.

Single-Op Assisted 20 meters High Power (13). Nine of the first ten places were also from Europe on this band, which behaved more like a "low band" than a "high band." Fulvio, IK4MGP, was first with 857K, Jose, CT3KY, was second with 683K, Ruslan, EO3Q (UR3QCW), was third with 679K, Sekcja, SN2K (SP2DWG), was fourth with 578K, and Ryszard, SP8ONZ, was fifth with 305K.

Single-Op Assisted 15 meters High Power (22). Antonio, CT3EN, set a new world record with 985K, while second-place Stephane, TM6M, set a new Europe record with 908K. Vlad, R7LV, took third with 735K and fourth place Joel, VE6WQ, set a new NA record with 628K.

Single-Op Assisted 10 meters High Power (32). The top 12 finishers all broke the prior world record, which shows the opportunity in some of these categories. Joel, KG6DX, set a new world record from Oceania with 733K, more than doubling the score of second-place Braco, 9A7R, who set the new Europe record with 327K. Fifth place Julio, PU4LOG, set a new SA record with 267K, and sixth place Masa, JO1WKO, set a new Asia record with 263K. Eighth place Alejandro, XE1EE, broke the NA record with 253K.

2011 CQ WW RTTY CONTEST PLAQUE WINNERS AND SPONSORS

Single Operator High Power Unassisted

World: Sponsored by John Orton, W5JBO. **Winner: LY5E (op: Arunas Vaglys, LY2IJ)**
Asia: Sponsored by Alex Panoiu, YO9HP. **Winner: Masaki Okano, JH4UYB**
Canada: Sponsored by Contest Group du Quebec. **Winner: Yuri Onipko, VE3DZ**
USA: Sponsored by Charles Anderson, KK5OQ. **Winner: John Webster, K1FWE**

Single Operator Low Power Unassisted

World: Sponsored by Don Hill, AA5AU. **Winner: Fabi Bertolotto, VA2UP**
Asia: Sponsored by Jim Reisert, AD1C. **Winner: Peter Saunders, HZ1PS**
Europe: Sponsored by Tyler Stewart, K3MM. **Winner: Aleksander Wieczorek, SQ9UM**
North America: Sponsored by Joseph Young, W6RLL. **Winner: Don Hill, AA5AU**
South America: Sponsored by Trey Garlough, N5KO. **Winner: Vitor Luis Aidar Dos Santos, PY2NY**
Canada: Sponsored by Bob Loranger, VE2AXO. **Winner: Bob Loranger, VE2AXO**

Single Operator Assisted High Power

World: Sponsored by Mike Sims, K4GMH. **Winner: Rick Davenport, KI1G**
Asia: Sponsored by Lakshman "Lucky" Bijanki, VU2LBW. **Winner: Yuri Kurinyi, RG9A**
North America: Sponsored by Jamie Tolbert, Jr., WW3S and Ray Fallen, Jr., ND8L. **Winner: Bud Trench, AA3B**

Single Operator Assisted Low Power

World: Jim Barron, WB5AAA. **Winner: Fabi Bertolotto, VA2UP**
North America: George Marzloff, K4GM. **Winner: Don Hill, AA5AU**

Single Operator Single Band

World 28 MHz High Power: Sponsored by Steve Hodgson, ZC4LI. **Winner: Rene Giorda, LU7HN**
World 28 MHz Low Power: Wray Dudley, AB4SF. **Winner: Augusto Reis, PY2EB**
World 21 MHz High Power: Sponsored by Steve "Sid" Caesar, NH7C. **Winner: Robert Kasca, ST2AR**
World 14 MHz High Power: Sponsored by Kenneth Young, AB4GG. **Winner: Gennadiy Gleizer, UN1L**
Europe 14 MHz High Power: Sponsored by Bob Raymond, WA1Z. **Winner: SO4M (op: Miroslaw Razny, SP4MPG)**
North America 14 MHz High Power: Sponsored by Patrick W. Soileau, ND5C. **Winner: John Bayne, KK9A/4**
USA 14 MHz High Power: Sponsored by Jamie Punderson, W2QO. **Winner: Steve Sawyer, KTØDX**
World 7 MHz High Power: Sponsored by Abroham Neal Software by K3NC. **Winner: YW4D (op: Paolo Stradiotto, YV1DIG)**
North America 7 MHz High Power: Sponsored by Don Reed, K2OGD. **Winner: Glenn Johnson, WØGJ**
World 3.5 MHz High Power: Sponsored by Glenn Vinson, W6OTC. **Winner: Daniel Richer, VE2SB**
World 3.5 MHz High Power Assisted: Sponsored by Mario Lamanna, IZØKBR. **Winner: Mario Lamanna, IZØKBR**

Multi-Op Single Transmitter Low Power

North America: Sponsored by Dennis Conklin, AI8P. **Winner: VP9I (ND8L, WW3S)**

Multi-Op Single Transmitter High Power

World: Sponsored by Kevin Rowett, K6TD. **Winner: EF8M (ops: RD3A, UA5C, EA8CAC, EA8AH)**
Europe: Tartu Contest Team, ES5Q, **Winner: UZ2M (ops: RA4LW, RW4LE, UX3MZ, UX3MR, UR5MID, URØMC, UT3MD)**
North America: Sponsored by Steve Jarrett, K4FJ. **Winner: K4FJ (ops: K3KG, K4FJ)**

Multi-Op Two Transmitter

World: Sponsored by Ed Muns, WØYK,. **Winner: P49X (ops: WØYK, N4RR, K6AW, W6OTC)**
Europe: Sponsored by CT3 Madeira Contest Team CR3A/CQ9K. **Winner: ES9C (ops: YL2KF, YL1ZF, YL3DW, ES5RY, ES5TV, ES2DW, ES5GP, ES5NHC, ES2MA, ES2NA, ES5JR, ES5QX)**
North America: Sponsored by Steve Merchant, K6AW. Winner: **NR4M (ops: NR4M, K4EC, K7SV, N3ZV, W4MYA, KI4UDF)**
USA: Sponsored by Abroham Neal Software by K3NC. **Winner: KØIR (ops: KØIR, WAØMHJ, NØKK, NØAT, NØHJZ, WØELT)**

Multi-Op Multi-Transmitter

World: Sponsored by KA4RRU RTTY Team. **Winner: CR3L (DJ6QT, DJ6XV, DK4QT, DL1YFF, DL6TK, DM3BJ)**
Europe: DX Old Timers Club – Silvano Amenta, KB5GL/IT9SEZ Memorial. **Winner: IT9BLB (op: IK3QAR, IT9BLB, IT9MBZ, IT9MUO, IT9PAD, IT9RBW, IT9RGY, IT9VDQ, IT9ZGY, IT9ZMX)**

Club Competition

World: Sponsored by Potomac Valley Radio Club. **Winner: Bavarian Contest Club**
North America: Sponsored by Northern California Contest Club. **Winner: Yankee Clipper Contest Club**

(Plaque sponsors as of publication date. Additional plaques may be sponsored.)

Single-Op Assisted Low Power (287)
This category is new, bringing RTTY in line with the other modes of CQ WW. Therefore all of this year's top scores also establish the category record.

Single-Op Assisted All Band Low Power (222). Robert, S57AW, set the new world and Europe records with 3.5M. Mark, N2QT, took second with 2.6M for the new NA record. John, GW4SKA, took third and Alex, PY2SEX, took fourth with 2.0M establishing the SA record. Eighth place Romeo, RW9C, set the new Asia record with 1.4M.

Single-Op Assisted 80 meters Low Power (4). The four entries were all from Europe. Fucelli, IKØXBX, set the new world record of 50K.

Single-Op Assisted 40 meters Low Power (6). The six entries here were also from Europe. Robby, DM6DX, set the new world record, 87K.

Single-Op Assisted 20 meters Low Power (12). Out of the five Europeans in the top slots Krstov, Z35X, won this category with a new world record of 274K. Sixth place Dan, KF6A, set the NA record with 22K and eighth place Batbayar, JT1BE, set the Asia record with 11K.

Single-Op Assisted 15 meters Low Power (12). Ludek, OK3C, won with the world record score of 300K and Yuri, UA9AFS, set the Asia record for second place with 186K. Ninth place

TOP SCORES

WORLD
SINGLE OPERATOR
HIGH POWER All Band

LY5E	6,319,620
6Y6U	6,010,598
CR6K	5,835,904
ER4A	5,026,543
K1FWE	5,008,245

28 MHz

LU7HN	843,817
KH6ZM	662,155
JA6WJL	447,096

21 MHz

ST2AR	1,061,583
YW5T	744,315
S5ØR	694,785

14 MHz

UN1L	667,290
SO4M	642,497
KK9A/4	614,100

7 MHz

YW4D	471,314
YT8A	420,050
9A3AAX	282,720

3.5 MHz

VE2SB	92,180
IN3QBR	81,750
DL1SWB	62,136

LOW POWER All Band

*VA2UP	3,977,680
*5C5W	3,864,324
*AA5AU	2,713,962
*6V7X	2,478,894
*HI3TEJ	2,436,352

28 MHz

*PY2EB	422,688
*7Z1SJ	394,896
*5K3R	392,496

21 MHz

*YO3JF	382,382
*UZ7HO	377,739
*4Z5CP	340,136

14 MHz

*EU1DX	350,625
*RM2M	335,556
*IC8TEM	335,100

7 MHz

*SP3VSE	210,870
*SP6IHE	155,703
*YL3CU	141,105

3.5 MHz

*HA1WD	71,355
*UA2FL	41,361
*UT4EK	35,970

ASSISTED
HIGH POWER All Band

KI1G	6,416,744
RG9A	6,174,350
LZ8E	5,455,800
AA3B	4,924,996
UA5F	3,971,645

28 MHz

KG6DX	732,828
9A7R	326,970
LZ9A	297,440

21 MHz

CT3EN	984,987
TM6M	908,205
R7LV	734,760

14 MHz

IK4MGP	856,753
CT3KY	682,689
EO3Q	679,328

7 MHz

II4LXV	458,040
YT1VP	409,770
UW4I	294,060

3.5 MHz

IZØKBR	116,100
IZ5DIY	110,016
HA3LI	93,832

LOW POWER All Band

*S57AW	3,500,924
*N2QT/4	2,640,352
*GW4SKA	2,575,170
*PY2SEX	2,007,440
*LZ9R	1,853,556

28 MHz

*PU4LOG	266,754
*PY2DN	239,320
*PA1CC	215,760

21 MHz

*OK3C	300,004
*UA9AFS	186,480
*IZ4AFW	168,818

14 MHz

*Z35X	273,762
*E74AA	175,260
*ED2Y	163,737

7 MHz

*DM6DX	87,163
*R2SA	68,040
*IKØLNN	63,812

3.5 MHz

*IKØXBX	49,650
*YU7U	13,923
*E72MM	6,660

MULTI-OPERATOR
SINGLE TRANSMITTER
HIGH POWER

EF8M	12,197,500
CN3A	10,612,800
UZ2M	6,690,831
RL3A	4,841,200
OL7M	4,528,359

MULTI-OPERATOR
SINGLE TRANSMITTER
LOW POWER

*VP9I	3,438,541
*LZ5R	2,041,560
*WW4LL	1,954,310
*YT3M	1,814,274
*CS5CRE	1,228,392

MULTI-OPERATOR
TWO TRANSMITTER

P49X	14,161,441
ES9C	11,095,980
ED1R	7,146,396
IQ1RY	6,512,454
EF7R	6,390,258

MULTI-OPERATOR
MULTI-TRANSMITTER

CR3L	10,080,564
K1SFA	10,002,562
IT9BLB	9,790,016
LX7I	7,813,069
ED5CEF	6,417,450

UNITED STATES
SINGLE OPERATOR
HIGH POWER All Band

K1FWE	5,008,245
K1LZ	3,361,750
W3LL	3,093,408
W4PK	2,580,550
W7RN	2,492,952

28 MHz

WA7LNW	165,977
N4ZZ	136,620
N4TB	118,156

21 MHz

N2WK	505,689
K9OM	453,407
WB4YDL	293,168

14 MHz

KK9A/4	614,100
KTØDX	148,000
W7PU	84,189

7 MHz

WØGJ	160,016
K7WP	149,193
W1TY/2	118,300

3.5 MHz

KC8IMB	23,828
W6WRT	16,932
N2EIK	4,753

LOW POWER All Band

*AA5AU	2,713,962
*WA1FCN/4	1,294,475
*N2ZAK	1,232,607
*WB2RHM/4	997,890
*NTØF	871,579

28 MHz

*N2WN/4	84,882
*K4WI	82,368
*N1IX	49,248

21 MHz

*AB1J/9	221,650
*K2EN	121,568
*WB5NMZ/4	78,008

14 MHz

*N2YBB	123,015
*WM5DX	121,296
*W4LC	116,145

7 MHz

*W9KVR	40,018
*ABØYM	6,944
*K4LHP	3,784

3.5 MHz

*NQ4K	9,006
*KØIDT	5,141

ASSISTED
HIGH POWER All Band

KI1G	6,416,744
AA3B	4,924,996
AI9T	3,155,349
W3FV	3,133,682
WØLSD	2,824,225

28 MHz

KØPK	126,429
K6TA	118,692
N6ML	114,328

21 MHz

K6LL/7	461,390
WJ2D/4	429,444
N7AT	427,800

14 MHz

KC4HW	107,725
WA8RPK	3,572

7 MHz

K8CPA	648

LOW POWER All Band

*N2QT/4	2,640,352
*KØKX	1,452,550
*KA2D	1,232,415
*KS1J	1,224,546
*N2FF	1,121,523

28 MHz

*KCØDEB	58,432
*NF3C/4	14,229
*KFØIQ	9,261

21 MHz

*N4RA	16,974

14 MHz

*KF6A/8	21,945
*W6RKC	1,632

MULTI-OPERATOR
SINGLE TRANSMITTER
HIGH POWER

K4FJ	4,234,705
AA7A	2,276,784
K7BTW	1,673,592
AA4HP	1,626,570
N2BJ/9	1,180,783

MULTI-OPERATOR
SINGLE TRANSMITTER
LOW POWER

*WW4LL	1,954,310
*N9LAH	1,144,150
*WJ4N	899,248
*KU1YL/Ø	873,681
*W9TTT	407,259

MULTI-OPERATOR
TWO TRANSMITTER

NR4M	6,363,236
KØIR	5,724,545
W6YX	4,015,935
W1DX	2,727,207
ND2W	2,658,575

MULTI-OPERATOR
MULTI-TRANSMITTER

K1SFA	10,002,562
KA4RRU	4,451,840
AK7AZ	873,794

EUROPE
SINGLE OPERATOR
HIGH POWER All Band

LY5E	6,319,620
CR6K	5,835,904
ER4A	5,026,543
SN7Q	4,520,880
RG3K	3,755,400
UW5U	2,408,008

28 MHz

PI4DX	384,945
9A4WY	237,284
DL3BQA	233,464

21 MHz

S5ØR	694,785
EB2AM	612,376
Z35T	592,200

14 MHz

SO4M	642,497
T77NM	608,478
IZ3GOM	366,876

7 MHz

YT8A	420,050
9A3AAX	282,720
Z36W	249,948

3.5 MHz

IN3QBR	81,750
DL1SWB	62,136
OG8A	29,913

LOW POWER All Band

*SO9UM	2,354,208
*GØMTN	1,896,673
*URØHQ	1,627,140

28 MHz

*EA7ISH	324,650
*S56A	180,222
*CT1EEK	131,920

21 MHz

*YO3JF	382,382
*UZ7HO	377,739
*ED1A	306,342

14 MHz

*EU1DX	350,625
*RM2M	335,556
*IC8TEM	335,100

7 MHz

*SP3VSE	210,870
*SP6IHE	155,703
*YL3CU	141,105

3.5 MHz

*HA1WD	71,355
*UA2FL	41,361
*UT4EK	35,970

ASSISTED
HIGH POWER All Band

LZ8E	5,455,800
UA5F	3,971,645
UU7J	2,961,798
UW8I	2,679,600
YO9HP	2,508,288

28 MHz

9A7R	326,970
LZ9A	297,440
9A6B	295,812

21 MHz

TM6M	908,205
R7LV	734,760
DJ3IW	600,600

14 MHz

IK4MGP	856,753
EO3Q	679,328
SN2K	578,476

7 MHz

II4LXV	458,040
YT1VP	409,770
UW4I	294,060

3.5 MHz

IZØKBR	116,100
IZ5DIY	110,016
HA3LI	93,832

LOW POWER All Band

*S57AW	3,500,924
*GW4SKA	2,575,170
*LZ9R	1,853,556

28 MHz

*PA1CC	215,760
*F4FDA	178,205
*LZ2ZG	133,920

21 MHz

*OK3C	300,004
*IZ4AFW	168,818
*IKØEIE	135,240

14 MHz

*Z35X	273,762
*E74AA	175,260
*ED2Y	163,737

7 MHz

*DM6DX	87,163
*R2SA	68,040
*IKØLNN	63,812

3.5 MHz

*IKØXBX	49,650
*YU7U	13,923
*E72MM	6,660

MULTI-OPERATOR
SINGLE TRANSMITTER
HIGH POWER

UZ2M	6,690,831
RL3A	4,841,200
OL7M	4,528,359
OH8A	4,124,061
SSØW	3,894,905

MULTI-OPERATOR
SINGLE TRANSMITTER
LOW POWER

*LZ5R	2,041,560
*YT3M	1,814,274
*CS5CRE	1,228,392
*DD1A	838,299
*SP9KDA	746,856

MULTI-OPERATOR
TWO TRANSMITTER

ES9C	11,095,980
ED1R	7,146,396
IQ1RY	6,512,454
EF7R	6,390,258
SSØXX	6,173,958

MULTI-OPERATOR
MULTI-TRANSMITTER

IT9BLB	9,790,016
LX7I	7,813,069
ED5CEF	6,417,450
HG1S	6,227,145
EA3CCN	5,757,056

*Low Power

SteppIR Antenna Selection Guide

Antenna Specification Sheet

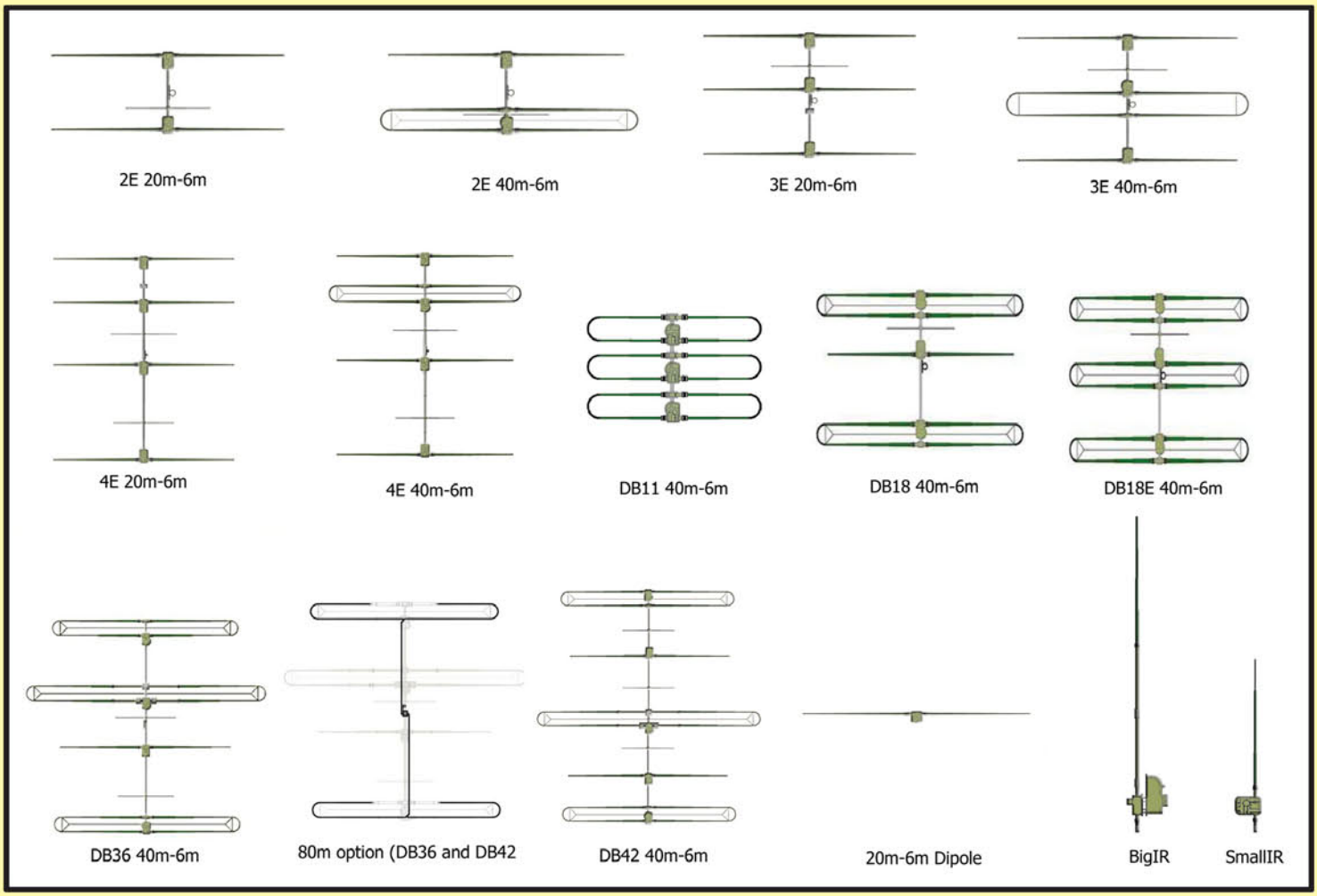
Item	Dipole 20m-6m	2 element Yagi	3 element Yagi	4 element Yagi	DB11 Yagi	DB18 Yagi	DB18E Yagi	DB36 Yagi	DB42 Yagi MonstIR PRO	40m - 30m Dipole Option	BigIR III Vertical	Small IR Vertical
Weight	15 lb 6.80 kg	30 lb 13.6 kg	51 lb 23.1 kg	99 lb 45.0 kg	63 lb 28.57 kg	96 lb 43.5 kg	110 lb 50 kg	160 lb 72.8 kg	238 lb 108 kg	15 lb 6.80kg	15 lb 6.8 kg	12 lb 5.4 kg
Max. Wind SurfaceArea	1.9 sq ft 0.17 sq m	4.0 sq ft 0.37 sq m	6.1 sq ft 0.57 sq m	9.7 sq ft 0.90 sq m	5.9 sq ft 0.54 sq m	10.1 sq ft 0.93 sq m	12.1 sq f 1.12 sq m	17.5 sq ft 1.63 sq m	19.9 sq ft 1.85 sq m	2.0 sq ft 0.19 sq m	1.9 sq ft 0.17 sq m	1.0 sq ft 0.9 sq m
Wind Rating	100 MPH 160 KPH	100 MPH 160 KPH	100 MPH 160 KPH	100 MPH 160 KPH	100 MPH 160 KPH	100 MPH 160 KPH	100 MPH 160 KPH	100 MPH 160 KPH	100 MPH 160 KPH	100 MPH 160 KPH	50-MPH *100MPH w/2 guys	100 MPH 160 KPH
Longest Element	36 ft 10.97 m	36 ft 10.97 m	36 ft 10.97 m	36 ft 10.97 m	19 ft 5.79 m	39 ft 11.9m	39 ft 11.9 m	49 ft 14.9 m	49 ft 14.9 m	39 ft 11.9 m	33 ft 10.05 m	18 ft 5.49 m
Power Rating	3000 Watts	3000 Watts	3000 Watts	3000 Watts	3000 Watts	3000 Watts	3000 Watts	3000 Watts *1500 w w/80m opt.	3000 Watts *1500 w w/80m opt.	3000 Watts	3000 Watts	3000 Watts
Boom Length	—	57 in 1.44 m	16 ft 4.87 m	32 ft 9.75 m	11 ft 3.35 m	19 ft 5.79m	19 ft 5.79 m	36 ft	42 ft 8 in 13.0 m	—	—	—
Boom Diameter	—	1.75 in 4.45 cm	1.75 in 4.45 cm	1.75—2.50 in 4.45—6.35cm	1.75 in 4.45 cm	1.75—2.0 in 4.45—5.08cm	1.75—2.0 in 4.45—5.08cm	1.75– 2.5 in 4.45—6.35cm	1.75 - 3 in 4.45—7.62cm	—	—	—
Mast Diameter	2.0 in 4.45 cm	2.0 in 5.08 cm	2.0 in 5.08 cm	2.0 in 5.08 cm	1.75 - 3 in 4.4-7.6 cm	1.75 - 3 in 4.4-7.6 cm	1.75 - 3 in 4.4-7.6 cm	1.75 - 3 in 4.4-7.6 cm	1.75 - 3 in 4.4-7.6 cm	—	1.5 in 3.81 cm	1.5 in / 3.81 cm
Frequency Coverage	13.8—54.0 MHz	13.8—54.0 MHz *40/30 opt. avail.	13.8—54.0 MHz *40/30 opt. avail.	13.8—54.0 MHz *40/30 opt. avail.	13.9—54.0 MHz	6.8—54.0 MHz (2E on 30m)	6.8—54.0 MHz (3E on 30m)	6.8—54.0 MHz *80m opt. available	6.8—54.0 MHz *80m opt. available	6.8—13.8 MHz	6.8—54.0 MHz *80m coil opt. avail. (1500w)	13.8—54.0 MHz *80/40/30 & 40/30 coils avail
Turning Radius	18 ft 5.48 m	18.15 ft 5.53 m	19.7 ft 6.0 m	24.1 ft 7.35 m	10.5 ft 3.20m	21.58 ft 6.57 m	21.58 ft 6.57 m	26 ft 8.0 m	29 ft 8.8 m	NA Option for 2, 3, & 4E Yagi	—	—
Cable Re-quirements (shielded)	4 Wire 22 AWG	12 Wire 22 AWG	12 Wire 22 AWG	16 Wire 22 AWG	16 Wire 22 AWG	16 Wire 22 AWG	16 Wire 22 AWG	*16 Wire 22 AWG	24 Wire 22 AWG	—	4 Wire 22 AWG	4 Wire 22 AWG
Balun In-cluded?	No (optional)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No (optional)	No (optional)

SteppIR has Auto-Tune Yagi, Dipole, and Vertical Antennas to fit any lot size and any budget.

Come to our web site www.SteppIR.com for support information, or to order antennas, parts, and accessories directly from SteppIR!

SteppIR

Patented Auto-Tune Technology Makes You Loud. . .on Lots of Bands!



Come see us in the Main Arena in Dayton, and be sure to check our web site often for late-breaking announcements.

2112 116 Ave NE #1-5, Bellevue, WA 98004
Tel: 425.453.1910 sales@steppir.com

SteppIR

BAND-BY-BAND BREAKDOWN—TOP ALL BAND SCORES

Number groups indicate: QSOs, Countries, Zones, US/VE on each band

WORLD

TOP SINGLE OPERATOR ALL BAND

Station	80	40	20	15	10
LY5E	306/47/10/6	499/66/23/41	1086/97/33/49	1171/92/35/53	513/80/31/42
6Y6U	125/26/11/36	735/62/20/51	569/69/24/53	1251/76/24/53	1099/61/18/54
CR6K	137/52/13/23	463/61/19/43	583/82/28/55	1031/89/29/58	1000/83/29/54
ER4A	287/43/11/8	493/61/20/29	941/82/28/48	1245/94/32/57	392/67/30/37
K1FWE	268/37/12/45	590/64/20/46	917/72/25/49	1062/81/27/46	529/68/23/20

SINGLE OPERATOR ASSISTED ALL BAND

KI1G	249/41/12/50	614/74/24/50	689/94/32/52	992/103/35/51	838/91/30/37
RG9A	275/52/9/0	584/78/23/17	891/96/32/39	1048/106/33/43	743/84/30/8
LZ8E	274/48/11/6	668/76/25/35	792/85/31/43	939/89/32/55	624/84/34/46
AA3B	235/38/11/42	574/66/21/49	729/81/27/48	808/76/24/33	815/69/19/18
UA5F	221/47/10/9	599/80/25/31	575/95/32/44	869/97/31/50	319/70/30/32

MULTI-OPERATOR SINGLE TRANSMITTER

EF8M	289/58/16/42	771/76/24/50	775/101/32/55	1253/105/35/55	1867/107/36/58
CN3A	270/54/15/36	796/69/21/51	948/94/32/56	1103/102/35/52	1400/100/32/55
UZ2M	216/56/16/10	582/82/24/41	980/102/35/52	1238/106/35/53	661/93/35/39
RL3A	227/53/13/7	515/76/26/37	710/100/35/45	1061/103/36/53	366/83/31/30
OL7M	220/48/10/11	369/69/21/41	595/89/30/48	1024/101/36/55	420/78/31/43

MULTI-OPERATOR TWO TRANSMITTER

P49X	211/39/13/45	875/71/24/52	1360/89/33/55	2023/97/34/57	1907/87/28/55
ES9C	506/56/15/12	1035/84/25/49	1652/106/34/55	1630/110/35/57	843/97/34/43
ED1R	208/45/10/11	769/67/21/47	969/93/31/53	1237/82/27/55	1057/86/33/55
IQ1RY	317/44/10/12	610/64/20/43	957/90/31/46	968/89/33/57	966/75/33/55
EF7R	221/50/12/9	602/63/20/45	961/88/29/51	1199/81/28/54	1151/85/30/54

MULTI-OPERATOR MULTI-TRANSMITTER

CR3L	276/47/14/34	898/72/23/48	1032/81/27/51	1294/81/28/56	1352/80/26/54
K1SFA	577/47/14/55	1157/79/25/56	1344/94/33/56	1474/95/32/52	1062/85/26/33
IT9BLB	463/55/13/15	971/75/25/47	1467/101/32/51	1272/98/33/54	1190/88/32/57
LX7I	460/49/11/18	785/65/18/52	827/82/29/50	1287/93/33/57	1090/85/31/54
ED5CEF	288/39/9/10	801/68/25/43	1292/77/28/54	1131/70/27/55	943/68/29/48

USA

SINGLE OPERATOR ALL BAND

K1FWE	268/37/12/45	590/64/20/46	917/72/25/49	1062/81/27/46	529/68/23/20
K1LZ	278/40/15/51	739/66/21/50	385/55/26/47	841/75/24/38	402/54/17/16
W3LL	250/35/11/45	364/53/15/44	368/60/24/36	560/64/24/32	754/66/23/20
*AA5AU	263/17/10/50	311/60/19/42	473/53/21/48	823/78/25/49	489/71/24/30
W4PK	143/24/12/34	357/48/15/45	389/58/24/40	712/63/17/30	564/55/19/21

SINGLE OPERATOR ASSISTED ALL BAND

KI1G	249/41/12/50	614/74/24/50	689/94/32/52	992/103/35/51	838/91/30/37
AA3B	235/38/11/42	574/66/21/49	729/81/27/48	808/76/24/33	815/69/19/18
AI9T	155/12/9/47	420/59/20/50	477/77/24/45	563/80/27/28	711/74/22/17
W3FV	113/27/11/38	502/62/19/47	351/63/24/35	651/71/25/28	633/69/22/16
WØLSD	109/15/11/44	632/68/25/49	470/75/27/51	658/85/28/48	291/74/24/29

MULTI-OPERATOR SINGLE TRANSMITTER

K4FJ	153/28/10/42	436/63/19/45	464/85/28/46	772/92/30/40	833/80/23/22
AA7A	97/10/8/38	488/43/18/48	277/55/23/52	599/80/31/48	493/70/25/33
WW4LL	128/20/10/39	424/61/18/47	254/72/21/43	318/79/29/34	495/75/23/15
K7BTW	130/11/10/42	485/49/22/49	333/47/23/51	369/70/26/43	408/46/20/39
AA4HP	18/7/7/11	251/40/13/35	372/59/21/37	442/58/21/40	472/73/23/20

MULTI-OPERATOR TWO TRANSMITTER

NR4M	328/39/12/49	718/72/21/51	799/88/31/53	1098/95/31/44	918/85/30/23
KØIR	377/23/11/52	850/65/22/51	682/79/28/51	1327/95/33/49	774/82/28/16
W6YX	320/17/12/51	721/66/25/53	531/72/26/54	817/88/30/55	634/72/25/47
W1DX	176/34/10/36	399/52/15/43	342/78/26/48	487/74/24/36	626/73/22/22
ND2W	168/16/11/42	468/55/15/43	523/67/26/44	797/67/25/35	516/63/22/20

MULTI-OPERATOR MULTI-TRANSMITTER

K1SFA	577/47/14/55	1157/79/25/56	1344/94/33/56	1474/95/32/52	1062/85/26/33
KA4RRU	290/15/9/52	669/59/17/56	705/79/31/52	871/76/26/38	928/77/26/27
AK7AZ	101/5/6/36	242/27/15/45	219/30/18/43	494/56/23/47	154/38/20/24

TOP SCORES IN VERY ACTIVE ZONES

Zone 3

W7RN.....2,492,952
N6QQ.....1,301,966
KR7X.....1,258,530
K2PO/7.....1,057,588
W7PP.....998,130

Zone 4

AI9T.....3,155,349
WØLSD.....2,824,225
*AA5AU.....2,713,962
VE3DZ.....2,585,024
K5DU.....2,433,042

Zone 5

KI1G.....6,416,744
K1FWE.....5,008,245
AA3B.....4,924,996
*VA2UP.....3,977,680
K1LZ.....3,361,750

Zone 14

CR6K.....5,835,904
LM9L4ØY 3,593,400
TMØT.....3,473,526
DL1IAO.....2,955,216
EA1AKS.....2,596,556

Zone 15

LY5E.....6,319,620
SN7Q.....4,520,880
S57AW.....3,500,924
OH8X.....3,374,920
OH4A.....3,038,165

Zone 16

ER4A.....5,026,543
UA5F.....3,971,645
RG3K.....3,755,400
UW1M.....2,970,973
UU7J.....2,961,798

Zone 20

LZ8E.....5,455,800
YO9HP.....2,508,288
LZ9R.....1,853,556
YO3CZW.....1,577,107
YO3APJ.....1,134,060

Zone 25

JH4UYB.....2,869,920
JM1XCW.....2,335,464
JQ1BVI.....1,563,088
JA1OVD.....1,535,314
JH4UTP.....1,213,025

**Low Power*

Important Online Resources

CQ WW RTTY website: http://www.cqwwrtty.com/
CQ website: http://www.cq-amateur-radio.com
Cabrillo log file spec: http://www.cqwwrtty.com/logs.htm
Club name list: http://www.cqwwrtty.com/clubnames.htm
List of logs received: http://www.cqwwrtty.com/logs_received.shtml

Log submissions: rtty@cqww.com
All other correspondence: w0yk@cqwwrtty.com

Carlos, PY4XX, set the SA record with 51K and eleventh place Richard, N4RA set the NA record with 17K.

Single-Op Assisted 10 meters Low Power (31). Julio ,PU4LOG, is the new world record holder with 267K while Roberto , PY2DN, took second with 239K. Ton, PA1CC, in third, set the new Europe record with 216K and Huang, BD7IS, took fourth with the new Asia record of 182K. John, KCØDEB, set the NA record with 58K.

Multi-Operator (141)

Multi-Single Low Power (31). Last year's NA winner VP9I (ND8L, WW3S) moved up from fourth place world to win in 2011 and set a new NA record with 3.4M points. Second place was LZ5R (LZ1UK, LZ3RR) with 2.0M, and the WW4LL (WW4LL, K1ZZI, K9MUG, WF4W, W4KTR, KB4KBS) team took third with 2.0M.

Multi-Single High Power (64). The EF8M team of RD3A, UA5C, EA8CAC, and EA8AH captured another category world record with 12.2M. Second place CN3A (IK2QEI, IK3STG, IW3IFJ, IZ4GWE, CN8WW, CN8WK) made 10.6M, and third place UZ2M (RA4LW, RW4LE, UX3MZ, UX3MR, UR5MID, URØMC, UT3MD) set a new Europe record with 6.7M.

Multi-Two (29). The P49X team of W6OTC, K6AW, WØYK, and N4RR took first place and racked up 14.2M for a new SA record, while ES9C (YL2KF, YL1ZF, YL3DW, ES5RY, ES5TV, ES2DW, ES5GP, ES5NHC, ES2MA, ES2NA, ES5JR, ES5QX) took second place and a new European record with 11.6M. Third place was nailed by ED1R (EA1CJ, EC1KR, EA4TD, EA4AOC, EA4GBV, EA4GEL, EC4DX, EC7AKV, EB7ABJ) with 7.1M points.

EUROPE

SINGLE OPERATOR ALL BAND

LY5E	306/47/10/6	499/66/23/41	1086/97/33/49	1171/92/35/53	513/80/31/42
CR6K	137/52/13/23	463/61/19/43	583/82/28/55	1031/89/29/58	1000/83/29/54
ER4A	287/43/11/8	493/61/20/29	941/82/28/48	1245/94/32/57	392/67/30/37
SN7Q	249/47/11/16	467/54/21/43	549/65/26/41	886/81/33/56	699/71/28/51
RG3K	195/36/7/1	465/67/21/29	853/74/26/38	1168/78/30/55	367/51/24/13

SINGLE OPERATOR ASSISTED ALL BAND

LZ8E	274/48/11/6	668/76/25/35	792/85/31/43	939/89/32/55	624/84/34/46
UA5F	221/47/10/9	599/80/25/31	575/95/32/44	869/97/31/50	319/70/30/32
S57AW	249/52/12/12	362/68/23/39	475/87/28/43	577/85/31/55	438/70/29/45
UU7J	180/41/12/7	269/54/18/26	418/70/27/30	803/75/29/43	590/77/32/41
UW8I	178/45/11/3	342/64/20/29	658/83/28/44	759/86/29/48	171/53/27/10

MULTI-OPERATOR SINGLE TRANSMITTER

UZ2M	216/56/16/10	582/82/24/41	980/102/35/52	1238/106/35/53	661/93/35/39
RL3A	227/53/13/7	515/76/26/37	710/100/35/45	1061/103/36/53	366/83/31/30
OL7M	220/48/10/11	369/69/21/41	595/89/30/48	1024/101/36/55	420/78/31/43
OH8A	225/50/12/1	368/69/23/16	888/94/33/51	886/92/32/48	373/84/32/30
S5ØW	245/44/11/9	475/65/21/42	536/83/30/44	612/77/30/55	549/72/30/52

MULTI-OPERATOR TWO TRANSMITTER

ES9C	506/56/15/12	1035/84/25/49	1652/106/34/55	1630/110/35/57	843/97/34/43
ED1R	208/45/10/11	769/67/21/47	969/93/31/53	1237/82/27/55	1057/86/33/55
IQ1RY	317/44/10/12	610/64/20/43	957/90/31/46	968/89/33/57	966/75/33/55
EF7R	221/50/12/9	602/63/20/45	961/88/29/51	1199/81/28/54	1151/85/30/54
S5ØXX	504/57/14/23	645/67/22/39	716/94/32/43	1067/89/33/55	748/68/28/50

MULTI-OPERATOR MULTI-TRANSMITTER

IT9BLB	463/55/13/15	971/75/25/47	1467/101/32/51	1272/98/33/54	1190/88/32/57
LX7I	460/49/11/18	785/65/18/52	827/82/29/50	1287/93/33/57	1090/85/31/54
ED5CEF	288/39/9/10	801/68/25/43	1292/77/28/54	1131/70/27/55	943/68/29/48
HG1S	508/56/14/17	700/72/24/46	856/96/33/38	1160/89/32/55	596/61/31/53
EA3CCN	330/50/10/12	717/61/22/40	1221/77/28/51	944/86/31/58	641/58/22/50

**Low Power*

Kenny, VP9GE's son, was running the VP9I pile-up while WW3S and ND8L sat on the porch for a break. waving waved at the cruise ships.

Multi-Multi (17). A three-continent race for top honors in this category came down to final log checking. CR3L (DJ6QT, DJ6XV, DK4QT, DL1YFF, DL6TK, DM3BJ) came out on top with 10.1M; K1SFA (K1MK, K1SFA, K1TTT, KB1SUA, N1FJ, N2WQ, NW2Q, W1EQO, W1TO @K1TTT) took a very close second and the new NA record with 10.0M; and IT9BLB (IK3QAR, IT9BLB, IT9MBZ, IT9MUO, IT9PAD, IT9RBW, IT9RGY, IT9VDQ, IT9ZGY, IT9ZMX) took third with 9.8M for a new Europe record.

Clubs

United States. With the fewest logs (30), the Yankee Clipper Contest Club (YCCC) won this year with 35.9M. Second-place Potomac Valley Radio Club (PVRC) accumulated 33.2M points with 50 logs, and third-place Northern California Contest Club (NCCC) had 27.1M from 38 logs.

Europe. The same three clubs finished in the same order as last year,

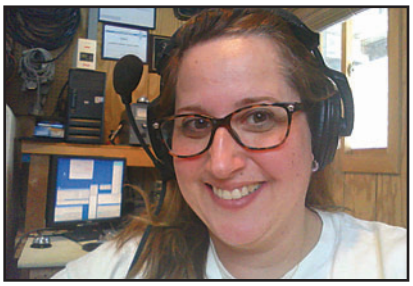
CLUB SCORES

UNITED STATES

Club	# Entrants	Score
YANKEE CLIPPER CONTEST CLUB	30	35,892,636
POTOMAC VALLEY RADIO CLUB	50	33,185,072
NORTHERN CALIFORNIA CONTEST CLUB	38	27,100,477
MINNESOTA WIRELESS ASSN	49	20,695,177
FRANKFORD RADIO CLUB	12	14,419,708
CTRI CONTEST GROUP	8	10,985,921
FLORIDA CONTEST GROUP	18	9,633,038
SOCIETY OF MIDWEST CONTESTERS	16	9,257,080
ARIZONA OUTLAWS CONTEST CLUB	26	8,619,725
ALABAMA CONTEST GROUP	13	6,886,231
WILLAMETTE VALLEY DX CLUB	21	6,080,793
LOUISIANA CONTEST CLUB	3	4,229,222
TENNESSEE CONTEST GROUP	15	3,623,725
NORTH COAST CONTESTERS	4	3,623,388
SOUTHERN CALIFORNIA CONTEST CLUB	14	3,442,362
ORDER OF BOILED OWLS OF NEW YORK	9	3,185,963
WESTERN WASHINGTON DX CLUB	8	3,007,336
GRAND MESA CONTESTERS OF COLORADO	8	2,976,128
BERGEN ARA	6	2,714,837
CENTRAL TEXAS DX AND CONTEST CLUB	5	2,561,858
HUDSON VALLEY CONTESTERS AND DXERS	10	2,073,753
MAD RIVER RADIO CLUB	6	1,972,139
SOUTHWEST OHIO DX ASSOCIATION	3	1,835,333
KANSAS CITY DX CLUB	4	1,713,123
SPOKANE DX ASSOCIATION	6	1,538,680
MISSISSIPPI VALLEY DX/CONTEST CLUB	3	1,519,108
METRO DX CLUB	5	1,512,030
CAROLINA SHINE	4	1,423,931
ROCHESTER (NY) DX ASSN	6	1,282,561
CAROLINA DX ASSOCIATION	4	1,158,550
DELAWARE LEHIGH AMATEUR RADIO CLUB	3	1,017,576
ALLEGHENY VALLEY RADIO ASSOCIATION	3	895,081
STERLING PARK AMATEUR RADIO CLUB	3	786,548
SKY CONTEST CLUB	3	602,161
DELARA CONTEST TEAM	3	601,044
SKYVIEW RADIO SOCIETY	5	568,709
NORTH CAROLINA DX AND CONTEST CLUB	3	446,994
SOUTH EAST CONTEST CLUB	4	442,125
LOW COUNTRY CONTEST CLUB	3	378,218
BRISTOL (TN/VA) ARC	4	314,318
KENTUCKY CONTEST GROUP	3	138,376

DX

BAVARIAN CONTEST CLUB	73	48,894,090
RHEIN RUHR DX ASSOCIATION	69	46,746,808
UKRAINIAN CONTEST CLUB	38	33,036,364
SLOVENIA CONTEST CLUB	9	15,823,538
CONTEST CLUB FINLAND	10	11,347,843
BLACK SEA CONTEST CLUB	31	9,150,023
CONTEST CLUB ONTARIO	20	9,036,661
ARAUCARIA DX GROUP	12	8,632,597
LU CONTEST GROUP	14	8,429,734
HA-DX-CLUB	3	8,269,700
SOUTH URAL CONTEST CLUB	4	7,892,431
CONTEST GROUP DU QUEBEC	9	7,608,026
DL-DX RTTY CONTEST GROUP	12	6,807,422
RUSSIAN CONTEST CLUB	16	6,575,093
LITHUANIAN CONTEST GROUP	4	6,540,949
BRITISH COLUMBIA DX CLUB	3	5,960,786
TEMIRTAU CONTEST CLUB	4	5,447,280
ORCA DX AND CONTEST CLUB	5	4,683,693
BESSARABIAN CONTEST CLUB	11	3,514,082
LATVIAN CONTEST CLUB	7	3,436,718
GRUPO DXXE	6	3,098,072
CHILTERN DX CLUB	5	2,915,717
BRITISH AMATEUR RADIO TELEDATA GROUP	3	2,901,105
VK CONTEST CLUB	6	2,831,940
RTTY CONTESTERS OF JAPAN	6	2,782,936
BELARUS CONTEST CLUB	3	2,756,051
SP DX CLUB	17	2,749,402
CROATIAN CONTEST CLUB	15	2,538,220
RIO DX GROUP	4	2,347,366
KAUNAS UNIVERSITY OF TECHNOLOGY RADIO CLUB	3	2,210,655
SASKATCHEWAN CONTEST CLUB	3	2,048,790
YO DX CLUB	6	1,951,357
VU CONTEST GROUP	4	1,935,972
GRIMSBY AMATEUR RADIO SOCIETY	3	1,910,706
TALL TREES CONTEST GROUP	3	1,882,436
599 CONTEST CLUB	3	1,839,532
MARITIME CONTEST CLUB	6	1,439,509
DXARC DX COLOMBIA AMATEUR RADIO CLUB	3	1,424,986
Z37M CONTEST TEAM	5	1,208,181
FALKOPINGS RADIOCLUB	3	1,148,304
LES NOUVELLES DX	3	1,136,823
ARCK	4	670,618
BALATON RADIOAMATEUR DX CLUB	3	640,219
TOP OF EUROPE CONTESTERS	4	594,146
KOREA CONTEST CLUB	3	579,469
WORLD WIDE YOUNG CONTESTERS	4	551,246
GIPANIS CONTEST GROUP	3	527,854
MOSCOW RADIO CLUB	4	515,762
VRHNIKA CONTESTERS	3	501,610
PERUGIA CONTEST CLUB	7	496,413
UA2 CONTEST CLUB	6	421,738
HAROS RADIO CLUB	3	370,397
CLIPPERTON DX CLUB	3	335,051
CANTAREIRA DX GROUP	3	292,065
NANAIMO AMATEUR RADIO ASSOCIATION	3	269,972
GERMAN DX FOUNDATION	3	174,016



Khrystyne, K1SFA, running a good rate on 20 meters with her Multi-Multi team at K1TTT.

with the Bavarian Contest Club (BCC) winning with 73 logs and 48.9M. The Rhein Ruhr DX Association (RRDXA) took second with 69 logs and 46.7M. The Ukrainan Contest Club (UCC) made 33.0M with its 38 logs.

World. The top two US teams (YCCC and PVRC) got by the UCC for third and fourth place world.

Logs

Thanks to more participation and more logs from non-contesters, over 85% of all QSOs in the logs were cross-checked for accuracy, an increase of 7% over 2010. A large part of this increase was the willingness of casual operators to contribute their logs to the checking process. Nearly 97% of all cross-checked QSOs were good, another increase from 2010. At the same time, the log-checking software has improved in its ability to catch busted callsigns and exchanges. So, it appears that logging accuracy has improved, which is a good thing. Busted calls came down from 1.4% to 1.1%, busted exchanges were up from 0.6% to 0.9%, and NILs (Not-In-Log) were down from 1.6 to 1.1%. You can compare these averages with your individual statistics by obtaining your LCR (Log Check Report) from <w0yk@cqwwrtty.com>.

Website

The contest website <www.cqwwrtty.com> is a valuable source of information to help prepare for the contest, submit logs after the contest, and access results and records spanning the entire history of CQ WW RTTY. Be sure to visit it when you have questions and take a minute to examine what is there.

Thanks

Thanks to all participants for making this a fun event. Thanks also to the team of volunteers behind the scene who make it all possible:

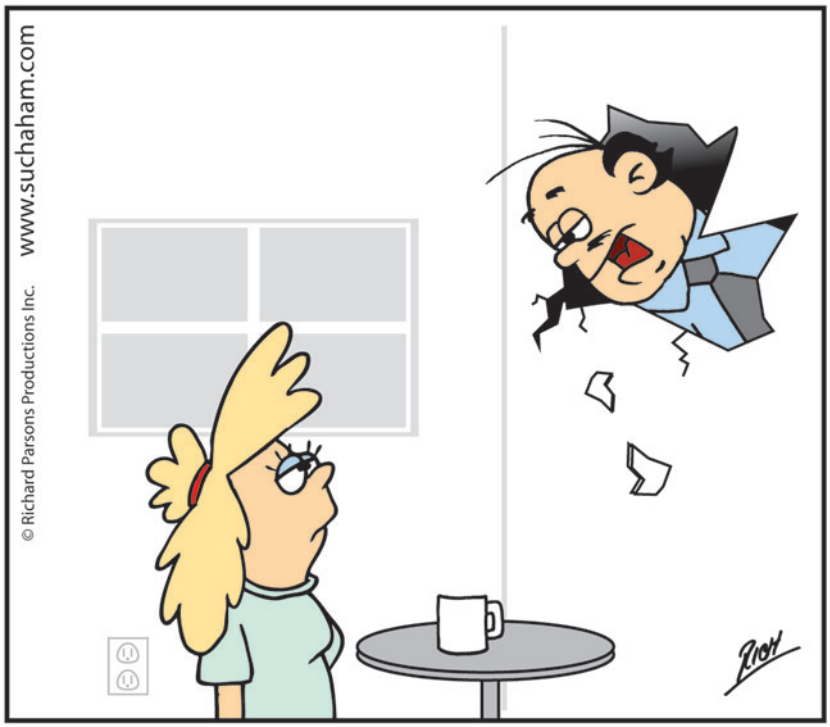
- Gail, K2RED, of *CQ* magazine expertly edits and assembles the output from log checking into this published article, as she does for all *CQ* contests.
- Ken, K1EA, provides the log check software and consulting during log check.
- Mark, K6UFO, laboriously typed in paper logs and fixed problem logs.
- Bob, KØRC, prototyped a simple system for us to send e-mail requests for missing logs.
- Mike, K4GMH, manages the CQ RTTY contest plaque program.
- Barry, W5GN, manages the certificate printing and mailing.
- Randy, K5ZD, set up the original website and continues to consult on its evolution as well as the searchable scores database that he set up with Don, AA5AU.

For expanded results of the contest, including QRM, operators of multi stations, and plaque information, and more, go to <www.cq-amateur-radio.com> and <cqwwrtty.com>.

See you in the 2012 contest! *73, Ed, WØYK*

(Scores on page 106)

SUCH A HAM



Just running a bit of coax through, Mavis.

Number groups after callsigns denote the following: Band, Final Score, QSOs, US/VE, Zones, Countries. An asterisk (*) indicates low power. Certificate winners are listed in boldface.

2011 RTTY RESULTS
SINGLE OPERATOR
NORTH AMERICA
United States

K1FWE	**A**	**5,008,245**	**3366**	**322**	**107**	**206**
K1LZ	"	3,361,750	2645	290	103	202
						(OP: K3JO)
K5ZD/1	"	2,262,040	1718	270	89	171
K1IMI	"	1,145,657	1144	205	72	124
						(OP: N4CW)
AE1P	"	606,424	758	166	67	131
AJ1E	"	549,895	722	166	59	130
W1ZK	"	537,738	701	171	65	82
W1EQ	"	456,570	659	149	58	78
N1SV	"	196,224	420	102	38	52
WA1Z	"	126,222	298	85	43	65
K1GE	"	24,192	87	67	27	2
K1KU	"	23,052	100	65	30	18
W2HDI/1	"	4,644	34	26	20	8
W1ZT	**7**	**16,786**	**103**	**38**	**12**	**27**
***WA1EHK**	**A**	**810,030**	**846**	**216**	**69**	**117**
*W2JU/1	"	798,490	840	203	70	112
*K1XM	"	698,728	832	186	56	92
*W1BYH	"	495,059	612	190	67	140
*AB1OD	"	434,230	526	180	69	97
*W1/YO7ARY	"	360,425	548	153	61	111
*W1CCE	"	216,576	375	138	56	62
*W1PL	"	131,610	353	86	39	89
*K1VU	"	124,020	257	111	56	67
*KT1I	"	114,576	285	94	41	82
*KB1GKN	"	101,000	239	92	44	64
*KK1X	"	90,090	228	94	46	70
*KA1CQR	"	63,342	228	70	32	51
*KB1MCK	"	51,898	184	69	33	52
*KG1V	"	50,204	160	74	34	46
*KC1UX	"	47,824	150	66	33	23
*K1DUQ	"	33,835	131	57	23	21
*W1NK	"	22,002	81	62	32	20
*W1BS	"	15,640	71	57	25	3
*WN1E	"	14,065	79	34	29	34
*KO1H	"	10,541	74	25	20	38
*KX9X/1	"	7,437	48	35	23	9
*K1BSB	"	6,264	59	27	14	17
*K1OC	"	5,704	38	37	22	3
*W1HFF	"	2,730	28	20	12	3
***N1IX**	**28**	**49,248**	**284**	**46**	**16**	**19**
*NJ1H	"	22,490	134	37	14	14
***NR1H**	**21**	**5,040**	**45**	**30**	**12**	**0**
***W1Y**	**14**	**9,860**	**96**	**29**	**11**	**28**
						(OP: WAØSKN)
NX2X	**A**	**1,201,180**	**1134**	**222**	**79**	**135**
WA2ETU	"	493,392	668	149	70	85
W2LE	"	396,788	559	169	47	43
KC2LST	"	265,643	405	148	55	74
W2IUC	"	191,919	338	123	48	76
NG2P	"	179,040	295	148	57	35
KB2CKN	"	155,718	323	110	50	86
WS9M/2	"	146,608	373	97	34	56
KD2XN	"	91,364	215	98	34	50
N2RIT	"	24,651	109	55	24	20
WB2ABD	"	18,818	91	42	21	34
N2WK	**21**	**505,689**	**1153**	**94**	**32**	**51**
N2SQW	**14**	**20,636**	**118**	**42**	**15**	**20**
W1TY/2	**7**	**118,300**	**501**	**63**	**17**	**50**
N2EIK	**3.5**	**4,753**	**89**	**10**	**8**	**31**
***N2ZAK**	**A**	**1,232,607**	**1169**	**254**	**88**	**129**
*K2DSL	"	832,315	956	203	64	142
*N2LK	"	588,672	732	189	67	128
*WA2LXE	"	585,156	746	181	72	110
*W2RLK	"	210,100	405	129	47	99
*N2FJ	"	201,025	327	146	54	75
*KC2KY	"	196,992	381	108	38	70
*KD2MX	"	195,672	365	128	48	87
*AD2TM	"	195,027	372	125	49	85
*K2TWI	"	175,870	321	138	49	28
*K9CHP/2	"	161,994	332	122	43	38
*N2MUN	"	160,696	322	113	43	56
*WB2JEP	"	159,430	322	108	41	65
*WB2OQQ	"	156,006	298	116	48	50
*KC2WUF	"	102,010	243	99	52	51
*K3UK/2	"	101,688	319	77	46	100
*WA2MCR	"	87,962	261	85	47	74
*K2TV	"	81,900	200	97	44	41
*N2NF	"	68,838	198	87	29	38
*KA2FHN	"	61,030	179	82	43	45
*KB2HSH	"	59,730	193	66	38	61
*N2UN	"	43,860	159	81	31	17
*W2YK	"	43,520	161	63	30	35
*N2JF	"	18,900	105	53	25	12
*K2ZC	"	17,302	98	40	18	24
*N2ZN	"	7,488	59	28	17	27
*WA3AFS/2	"	6,110	45	33	18	14
*ND2K	"	6,014	44	28	19	15
*AK2X	"	3,038	40	22	15	12
***K2EN**	**21**	**121,568**	**425**	**64**	**22**	**30**
***N2YBB**	**14**	**123,015**	**376**	**71**	**23**	**45**
W3LL	**A**	**3,093,408**	**2296**	**278**	**97**	**177**
NA3M	"	1,813,730	1635	235	82	153
NJ3I	"	739,440	847	212	65	118
W2GG/3	"	341,374	532	155	52	56
N3XL	"	181,704	359	123	53	92
K3RMB	"	159,390	318	116	47	67
KJ3X	"	134,995	308	98	47	58
						(OP: K1DQV)
N3IYX	"	85,750	228	91	37	47
K3SV	"	60,976	160	85	35	28
K3PG	"	43,120	136	71	38	31
KW3A	"	42,196	130	78	34	25
WB4PWZ/3	"	37,840	119	77	33	0
WA3FRP	"	37,506	144	59	23	32
WW3QB	"	14,283	81	50	16	3
W3ABT	"	7,020	48	41	12	1
						(OP: WA3FRP)
AI3Q	**14**	**76,329**	**318**	**51**	**14**	**34**
***KB3LIX**	**A**	**787,720**	**810**	**225**	**74**	**120**
*WA1LWS/3	"	620,776	777	183	63	130
*WB3FIZ	"	445,004	617	183	67	72
*WØBR/3	"	346,764	615	127	48	109
*K3GW	"	313,547	471	163	54	54
*WB9KPT/3	"	273,661	467	132	50	101
*N3ALN	"	182,320	350	124	54	87
*KW3W	"	181,424	366	111	37	84
*K3CWF	"	175,856	349	115	48	69
*AF3I	"	156,699	327	110	44	53
*W3BUI	"	121,107	252	108	48	63
*WD3K	"	112,387	275	106	33	48
*N3WD	"	94,470	225	98	45	58
*K3NK	"	93,312	186	120	62	10
*W3OFD	"	66,980	186	82	38	50
*WA2EAJ/3	"	63,840	209	73	23	37
*K3FH	"	55,200	153	80	37	43
*K3FS	"	52,094	175	78	27	17
*K3UA	"	41,180	173	54	37	54
*W3DQT	"	40,986	141	63	31	44
*N3JNX	"	25,916	101	57	35	32
*AB3IC	"	23,868	98	54	28	26
*WA3AAN	"	21,476	97	54	35	29
*K3TXT	"	11,340	62	39	20	11
*N3RDV	"	8,580	58	37	22	19
*KN3A	"	5,673	46	24	19	18
*W6AAN/3	"	5,538	48	29	10	0
*W3TNU	"	4,828	59	15	17	36
*WA3WZR	"	3,245	38	35	18	2
*K3CC	"	2,204	27	19	13	6
*K3YJP	"	1,976	22	17	15	6
*K3BAK	"	1,122	22	16	11	6
*KB3VNH	"	484	15	9	7	6
***N8HM/3**	**28**	**736**	**20**	**13**	**8**	**2**
***WA2VQV/3**	**14**	**1,064**	**22**	**15**	**10**	**3**
W4PK	**A**	**2,580,550**	**2165**	**248**	**87**	**170**
AB4GG	"	1,896,168	1789	226	81	185
K4FX	"	1,468,341	1411	225	79	153
N6AR/4	"	1,057,395	971	242	82	147
N3MK/4	"	883,320	969	219	74	115
W2YE/4	"	769,872	898	182	64	98
KJ4DHB	"	621,468	796	185	61	120
W4OX	"	563,064	699	170	69	109
K4HAL	"	409,182	624	153	56	73
WY4Y	"	376,856	636	145	63	81
						(OP: NS3Q)
K5VIP/4	"	343,830	486	158	67	89
K4CX	"	308,066	641	131	47	64
NJ4F	"	302,093	454	145	67	107
KR4LO	"	289,892	453	152	57	65
KG4CUY	"	254,610	427	129	58	83
AI4WW	"	200,560	417	115	41	74
K8KI/4	"	199,576	391	139	45	63
ND4V	"	163,704	296	131	47	50
K4ADR	"	143,990	356	85	36	66
WK4Y	"	141,660	402	90	40	50
N4MM	"	133,041	288	119	43	21
N4QS	"	118,904	286	94	39	45
K4BX	"	90,730	264	73	42	96
WR4B	"	72,385	171	94	42	19
W5XB/4	"	51,652	178	65	36	47
K4RO	"	49,815	205	57	28	38
K4LRP	"	44,100	182	63	26	11
N4TL	"	41,580	131	72	35	28
WD8RYC/4	"	33,664	105	74	43	11
W4CZ	"	27,323	119	68	20	1
AJ4CG	"	26,752	111	49	34	45
NJ2F/4	"	25,877	107	46	33	34
WBØPOH/4	"	21,600	100	52	25	19
K7OM/4	"	20,355	99	45	36	34
						(OP: K7OM/4)
N3BM/4	"	14,852	73	47	20	12
KJ4DHF	"	12,556	75	44	25	17
W9QO/4	"	2,618	26	23	11	0
NS4X	"	1,485	29	12	12	9
WA4NMS	"	893	18	10	9	0
N4ZZ	**28**	**136,620**	**588**	**56**	**19**	**15**
N4TB	"	118,156	420	67	22	20
N3UA/4	"	107,017	410	63	21	19
WØPV/4	"	102,843	360	66	25	26
WØYR/4	"	75,330	292	61	22	10
WB4YDL	**21**	**293,168**	**843**	**74**	**28**	**44**
KK9A/4	**14**	**614,100**	**1513**	**87**	**35**	**56**
AJ4FM	"	22,088	126	43	17	28
***WA1FCN/4**	**A**	**1,294,475**	**1416**	**212**	**78**	**165**
*WB2RHM/4	"	997,890	929	241	81	143
*N4IG	"	420,701	546	183	68	80
*W4GDG	"	386,540	578	146	52	110
*K4MCK	"	289,408	457	144	63	97
*W8KHP/4	"	272,304	456	140	54	50
*K4CC	"	258,704	406	152	56	88
*W4WWQ	"	205,640	356	138	60	67
*W3SA/4	"	203,708	366	128	52	74
*WA8OJR/4	"	200,790	396	115	51	64
*KU8E/4	"	195,228	337	128	63	70
*WF7T/4	"	158,412	312	117	56	85
*WØQQG/4	"	143,877	319	116	49	76
*K4DJG	"	133,062	284	111	42	48
*K1GU/4	"	124,670	304	96	39	47
*W4EYJ	"	120,546	319	96	43	42
*W4JHU	"	106,858	250	95	51	56
*KS4S	"	106,800	303	79	42	79
*W4BK	"	103,525	250	87	44	74
*K4FJW	"	96,300	243	92	49	73
*N4NIA	"	95,816	244	98	47	58
*WK4P	"	94,954	237	106	47	44
*KU4A	"	82,844	237	82	31	36
*W6DVS/4	"	79,560	213	96	38	36
*K4FTO	"	77,760	231	87	41	64
*W7HJ/4	"	76,483	181	96	55	36
*NC4MI	"	75,012	224	98	44	46
*N4BCB	"	71,208	190	82	44	58
*KM4JA	"	67,319	172	89	40	34
*ND4X	"	64,815	181	86	33	26
*NT4TS	"	60,984	267	62	22	42
*ND1Y/4	"	60,900	164	90	45	40
*NZ4O	"	58,496	207	75	23	30
*K8LF/4	"	57,436	166	80	40	53
*KM4RK	"	55,770	159	84	43	38
*AJ4GL	"	49,290	155	83	36	40
*K4LCM	"	42,140	158	58	33	49
*KD4SM	"	32,058	104	71	32	14
*N4AU	"	31,970	114	66	29	20
*KI4SP	"	29,925	130	59	34	40
*KK4R	"	28,956	103	65	36	13
*W4IWH	"	25,531	158	35	23	63
*NR4C	"	24,634	104	60	29	20
*K4EDI	"	23,616	101	62	31	30
*WO4MW	"	22,477	108	58	41	34
*N4MUH	"	14,536	78	42	19	18
*KC4SAW	"	14,240	73	44	23	13
*KR4F	"	11,461	63	49	19	5
*N3CZ/4	"	10,872	71	31	23	18
*WB4OMM	"	8,487	47	41	19	9
*KJ4WLN	"	7,738	56	31	23	19
*AI4GR	"	6,678	59	21	20	22
*AJ4IR	"	5,916	44	30	16	12
						(OP: KJ4LQX)
*KI4EEY	"	5,767	62	21	20	32
*N5HOT/4	"	4,416	51	12	14	38
*KB4VC	"	2,440	29	18	13	9
*K4XD	"	2,414	26	21	9	4
*W4ELP	"	2,400	44	12	11	25
*WO4O	"	1,680	26	15	9	11
*K3RWN/4	"	1,598	27	17	9	8
*KC3EF/4	"	195	7	7	6	0
***N2WN/4**	**28**	**84,882**	**360**	**54**	**20**	**12**
*K4WI	"	82,368	348	61	21	17
*KC4WQ	"	20,935	174	28	14	11
*KTØP/4	"	17,225	120	38	16	11
*K3TW/4	"	4,074	43	20	13	9
*KE1F/4	"	3,567	61	14	11	16
*KO4OL	"	1,296	24	17	9	1
***WB5NMZ/4**	**21**	**78,008**	**331**	**54**	**15**	**29**
***W4LC**	**14**	**116,145**	**405**	**74**	**22**	**49**
*N3TG/4	"	7,670	60	31	10	18
*K4MTX	"	2,340	40	15	14	16
***K4LHP**	**7**	**3,784**	**38**	**21**	**10**	**13**
***NQ4K**	**3.5**	**9,006**	**144**	**12**	**8**	**37**
K5DU	**A**	**2,433,042**	**2350**	**215**	**86**	**221**
N5RZ	"	2,375,191	2176	246	97	216
K6SXA/5	"	840,420	817	220	90	150
K7IA/5	"	834,534	1039	185	72	169
NX5O	"	342,228	566	129	74	113
N5VU	"	337,393	497	155	62	90
KD5JAA	"	217,455	396	99	58	128
K5CM	"	103,530	333	51	41	82
KK5JY	"	97,572	293	85	36	52
AC4CA/5	"	44,525	142	68	40	29
KD5J	"	34,144	142	41	21	35
W5JE	"	33,720	152	52	32	36
AB5C	"	29,250	112	63	27	0
K5GZR	"	10,206	65	30	19	32
KB5U	"	6,532	52	27	23	21
N5MOA	**28**	**112,119**	**324**	**78**	**26**	**29**
W5MK	"	7,695	82	22	14	9
***AA5AU**	**A**	**2,713,962**	**2359**	**279**	**99**	**219**
*AD5XD	"	815,994	1142	167	70	177
*N5KWN	"	772,398	1026	183	77	163
*N5IJE	"	447,655	682	145	66	144
*AD5CA	"	352,359	571	135	64	130
*K5DHY	"	214,803	362	128	62	71
*N5RN	"	203,544	392	121	43	93
*N5PU	"	180,564	477	100	39	107
*KC5YPU	"	120,416	400	68	40	104
*N5RLM	"	106,491	330	89	46	96
*N5UWY	"	87,980	265	77	44	45
*AD5LU	"	80,040	233	73	42	59
*WB5AAA	"	78,396	235	73	42	26
*WA9AFM/5	"	75,520	219	73	35	52
*W5TTY	"	57,817	179	71	47	61
*AA5VU	"	46,956	193	63	40	69
*W5KDJ	"	41,820	177	55	24	44
*W5EK	"	33,276	119	70	32	16
*W5JBO	"	26,596	135	35	23	64
*N5LYJ	"	17,019	89	53	30	10
*KD5YUK	"	13,869	77	47	22	0
*W5PQ	"	12,177	106	27	26	46
*KB5REX	"	10,640	56	51	25	0
*AE5MM	"	9,912	61	46	29	9
*KD5NXR	"	9,310	50	43	25	2
*AE5EO	"	7,030	53	27	21	26
*WA5NOM	"	2,183	22	22	15	0
***W5ZO**	**28**	**25,179**	**127**	**48**	**18**	**11**
*N4UPX/5	"	11,556	123	27	15	12
*K5PAX	"	4,128	41	21	16	11
*N5RMS	"	4,059	55	14	14	13
***WM5DX**	**14**	**121,296**	**553**	**61**	**20**	**52**
NN6XX	**A**	**770,308**	**896**	**172**	**88**	**167**
K6LRN	"	524,564	677	163	80	155
W6SX	"	486,528	989	89	64	183
K6GEP	"	473,484	696	133	72	169
N6CK	"	424,530	712	90	77	151
WS6X	"	350,550	501	156	72	114
K6XX	"	268,965	531	103	56	56
WB6JJJ	"	238,420	422	101	63	96
KO6LU	"	216,832	481	82	55	119
K6RB	"	198,621	417	73	56	132
N6BM	"	198,380	526	70	47	101
WX6V	"	182,368	292	124	65	89
KD6HQ	"	108,070	313	58	49	107
AK7G/6	"	97,760	266	76	52	80
K6SFK	"	62,640	185	71	47	56
AI6YL	"	34,452	122	59	45	28
N6RW	"	23,517	77	74	43	0
N6QEK	"	20,916	100	36	33	57
K6DGW	"	12,771	106	18	18	63
AC6T	"	11,132	77	29	24	39
N6AJR	"	10,908	74	33	33	35
AF6SN	"	10,224	110	14	13	44
AE6OU	"	8,556	60	27	24	11
W6RYI	"	7,866	56	26	21	22
KM6I	"	6,545	61	17	23	37
K6LPO	"	6,319	50	29	25	17
W6ONV	"	4,532	45	14	15	15
WA6KEK	"	3,160	37	26	14	0
KM6HB	"	3,072	34	21	15	12
WU6X	"	2,655	43	11	12	22
N6XI	**28**	**1,650**	**30**	**9**	**11**	**10**
W6WRT	**3.5**	**16,932**	**227**	**11**	**9**	**48**
***W6UX**	**A**	**316,953**	**696**	**99**	**55**	**147**
*W6ZL	"	108,647	268	83	48	56
*W8KA/6	"	97,513	243	83	47	39
*AF6SA	"	96,348	235	83	57	77
*W6KY	"	93,122	253	69	54	79
*N6DZR	"	65,136	155	76	59	42
*N3PV/6	"	64,617	200	63	47	71
*KG6MZS	"	62,271	206	56	36	61
*N6OPR	"	57,663	274	41	29	59
*N6RV	"	40,052	131	64	41	19
*K6BIR	"	31,744	137	35	32	61
*K6GFJ	"	29,484	131	55	26	0
*KE6SHL	"	22,196	113	33	37	54
*K6JF	"	19,740	100	37	31	37
*W8QZA/6	"	18,476	127	21	28	75
*NA6G	"	15,900	109	24	24	58
*N6FD	"	1,600	26	8	10	14
*NQ6E	"	1,012	25	8	8	7
*N3FAW/6	"	714	38	15	13	23
***KF6HI**	**28**	**3,920**	**38**	**25**	**9**	**1**
*N6BHX	"	2,664	42	10	10	4
***NK6A**	**21**	**19,092**	**135**	**31**	**17**	**38**
W7RN	**A**	**2,492,952**	**2533**	**201**	**99**	**232**
						(OP: WK6I)
KR7X	"	1,258,530	1668	169	93	193
W6AEA/7	"	963,792	1223	155	80	179
KO7AA	"	642,752	978	138	66	148
N3RC/7	"	570,032	867	146	61	161
N7TT	"	368,632	900	99	56	129
KD7MSC	"	315,252	688	89	57	132
KS7S	"	306,210	521	119	62	114
WU6W/7	"	299,880	599	104	61	150
K7JJ	"	295,472	503	117	67	129
K7MKL	"	286,996	558	105	63	146
W7VXS	"	272,246	599	104	54	125
K7JQ	"	249,275	439	108	67	120
KR2E/7	"	204,764	386	113	59	112
NG7Z	"	174,549	480	72	52	125
W7LD	"	173,524	438	96	60	128
KV7DX	"	151,728	387	74	55	89
						(OP: AA7V)
NO7T	"	126,854	258	100	54	67
NI7R	"	124,189	307	81	49	103
WG7X	"	110,630	325	73	56	101
KX7YT	"	65,016	174	71	45	56
K7EM	"	60,152	153	97	45	4
KB7N	"	42,525	185	42	34	59
W7SO	"	38,688	135	56	42	26
KI7Y	"	26,596	157	25	26	71
KF7F	"	11,088	70	32	27	18
KJ7GI	"	6,572	70	14	17	31
KD7ODG	"	5,187	51	17	18	22
KN7PF	"	5,037	49	29	21	19
K7ABL	"	4,582	48	17	19	22
KK7CG	"	3,350	68	13	17	37
KF7PG	"	1,764	39	5	6	25
WA7LNW	**28**	**165,977**	**683**	**67**	**24**	**40**
N4CC/7	"	4,469	59	15	12	14
W7ZR	**21**	**264,854**	**945**	**70**	**27**	**54**
W7PU	**14**	**84,189**	**479**	**55**	**27**	**51**
K7WP	**7**	**149,193**	**613**	**62**	**23**	**52**
***WT6P/7**	**A**	**470,452**	**742**	**125**	**62**	**162**
*K7TQ	"	319,176	572	99	62	151
*WO7V	"	246,480	591	68	54	138
*N7VEA	"	197,532	424	84	56	139
*W7YAQ	"	192,696	349	120	61	78
*W7WEC	"	180,795	444	72	56	127
*N7MQ	"	172,235	375	95	55	95
*K7HBN	"	131,264	287	88	57	79
*KS5A/7	"	127,238	359	73	45	108
*WS7V	"	118,188	304	86	46	69
*N7BPA	"	108,560	279	76	58	102
*WAØWWW/7	"	82,892	245	64	42	106
*W7UG	"	78,470	274	79	43	68
*K6UM/7	"	67,260	227	50	43	84
*KD6OAT/7	"	50,666	195	52	38	64
*WA7SHP	"	44,352	200	32	35	65
*W7OR	"	34,780	156	59	41	48
*KD7RUS	"	31,968	148	49	38	57
*KE7AUB	"	26,904	130	39	34	45
*W7/KL7WP	"	24,924	159	32	33	69
						(OP: KL7WP)
*N6MA/7	"	24,128	100	49	29	38
*K7AKP	"	16,800	117	27	29	56
*KC7CM	"	15,700	106	27	28	45
*NB7O	"	14,715	110	29	30	50
*AE7KL	"	12,096	109	23	16	33
*K6WSC/7	"	9,796	53	38	29	12
*K7ARJ	"	9,052	58	36	22	15
*K7GZP	"	7,900	63	26	25	28
*KE7IHG	"	4,130	49	18	21	20
*W7EWG	"	3,876	60	10	14	33
*WA7YAZ	"	3,120	37	19	19	22
*WA7BME	"	1,156	22	9	10	15
***N7DB**	**28**	**29,325**	**194**	**32**	**20**	**33**
*WE6EZ/7	"	20,925	151	38	17	20
***K7MY**	**21**	**33,464**	**176**	**47**	**19**	**28**
***W1ZD/7**	**14**	**89,872**	**437**	**59**	**25**	**53**
N8BJQ	**A**	**1,524,570**	**1389**	**238**	**80**	**127**
KE8M	"	850,824	976	192	68	64
K8MP	"	262,080	527	98	41	95
W8AKS	"	258,456	508	122	46	99
W8OHT	"	212,040	392	144	61	74
W8CAR	"	113,364	245	101	59	41
K8ESQ	"	112,128	251	107	40	45
K8ZZU	"	93,380	236	90	32	39
WD8KNC	"	70,472	212	88	42	54
N8IW	"	62,643	169	80	41	36
N8CAK	"	52,788	159	85	43	38
WB8MKH	"	42,104	177	49	31	72
AC8DU	"	39,038	206	77	32	40
K8LO	"	19,929	102	45	23	5
AJ8B	"	10,981	56	42	29	8
W8TE	"	3,312	31	28	8	0
W8LIG	"	1,368	20	17	13	6
KC8IMB	**3.5**	**23,828**	**289**	**15**	**9**	**50**
***WB8TLI**	**A**	**544,810**	**584**	**212**	**82**	**68**
*AA8IA	"	351,102	564	150	67	109
*W8KX	"	272,960	400	184	72	64
*N2OPW/8	"	268,492	451	141	55	105
*WS6K/8	"	217,899	391	129	54	96
*KJ8O	"	207,726	403	117	52	98
*NX8G	"	160,965	339	107	44	68
*KB8OCP	"	160,300	343	116	46	67
*K8GT	"	139,314	257	122	56	36
*K8SIA	"	123,210	232	122	50	50
*AA8EN	"	103,115	306	75	39	91
*K3JT/8	"	74,382	209	70	43	41
*N1IW/8	"	57,213	162	85	37	41
*K8TJM	"	56,092	167	80	36	32
*W8IDM	"	32,545	114	71	27	17
*NF8M	"	13,528	65	44	24	8
*KB8ZB	"	11,310	55	48	29	1
*W8AB	"	5,022	54	20	17	25
*AF8A	"	2,397	36	14	13	20
***WB8JUI**	**28**	**23,958**	**159**	**43**	**15**	**8**
*WD9FTZ/8	"	2,988	34	18	11	7
***WG8Y**	**21**	**25,398**	**134**	**44**	**20**	**19**
***KC8FVE**	**14**	**10,220**	**69**	**36**	**15**	**19**
***WB8JAY**	**7**	**1,034**	**22**	**17**	**5**	**0**
W9IU	**A**	**1,879,247**	**1586**	**266**	**94**	**161**
WI9WI	"	443,729	698	142	63	114
KE9ET	"	412,380	505	207	69	14
W9LHG	"	302,216	500	137	54	105
K9BJM	"	288,080	428	159	53	65
AJ9C	"	256,768	433	137	54	81
KK7Z/9	"	224,985	408	125	54	104
N9WKW	"	159,258	323	110	51	48
W9FFC	"	148,096	313	119	46	43
N9EP	"	61,353	215	70	34	49
W9OA/9	**28**	**113,715**	**457**	**61**	**23**	**11**
						(OP: W9OA/9)
K9OM	**21**	**453,407**	**1022**	**98**	**34**	**47**
***KB9S**	**A**	**405,504**	**622**	**153**	**63**	**72**
*K9NR	"	372,480	649	136	56	48
*W9HLY	"	269,645	545	108	44	47
*KA9MOM	"	251,140	451	128	55	107
*AB9QH	"	215,472	381	127	58	83
*KB9OWD	"	126,084	374	78	39	111
*WQ9T	"	106,575	257	89	43	71
*WE9R	"	72,051	206	91	40	10
*KB9DVC	"	57,275	151	85	38	22
*N9LYE	"	57,050	176	68	41	66
*W9AKS	"	56,448	182	81	35	28
*W9WLX	"	33,024	124	58	36	34
*N9BT	"	29,869	122	60	27	32
*KF9WY	"	29,412	114	62	40	27

*AI9K	"	28,448	124	45	34	33
*K9WMS	"	26,790	106	60	25	10
*NV9X	"	26,768	103	53	39	20
*K9EMG	"	20,400	81	57	33	10
*KC9IL	"	16,416	70	47	32	17
*AF9J	"	14,220	84	36	23	31
*N9SB	"	13,244	95	27	23	36
*N9MSG	"	8,710	56	37	18	12
*AA9UF	"	3,526	55	16	11	14
*KV9W	"	2,604	35	21	7	0
***AB1J/9**	**21**	**221,650**	**631**	**82**	**27**	**34**
*W9VQ	"	68,598	259	64	21	18
*K9PY	"	34,358	155	56	16	10
*KC9IRQ	"	7,729	47	41	14	4
***W9KVR**	**7**	**40,018**	**208**	**50**	**16**	**41**

N0KE	**A**	**1,652,820**	**1500**	**228**	**101**	**178**
K0RC	"	1,552,629	1300	271	95	167
AB0RX	"	1,308,526	1394	189	82	162
AC0C	"	1,066,988	1407	205	71	166
AB0LR	"	919,240	1006	242	92	156
KI6DY/0	"	824,356	1093	178	60	144
K0JJR	"	616,938	731	197	68	132
K0JPL	"	609,880	734	181	83	122
N0BUI	"	494,845	796	139	54	106
WB0KGN	"	393,452	542	171	64	99
K0FX	"	348,268	510	171	80	81
K0HB	"	341,952	549	134	64	114
W0RX	"	276,210	408	144	71	82
W0EM	"	226,566	674	104	42	100
KI0F	"	162,792	300	125	53	60
W0SHL	"	122,008	249	121	45	36
K0MD	"	109,620	329	83	49	71
K0LDS	"	46,248	160	65	40	36
N0KBD	"	42,048	196	56	34	54
KC0RET	"	37,660	147	55	32	53
K0FYI	"	33,909	113	91	34	2
KI0HA	"	32,250	101	64	48	13
K0TZ	"	11,869	65	40	23	20
KA0VXK	"	4,675	49	20	18	17
K0LD	"	588	14	10	4	0
W5AP/0	**21**	**40,000**	**192**	**51**	**22**	**27**
N0KQ	"	10,440	84	28	15	15
KT0DX	**14**	**148,000**	**640**	**68**	**28**	**52**
W0GJ	**7**	**160,016**	**707**	**62**	**21**	**54**
***NT0F**	**A**	**871,579**	**1054**	**197**	**67**	**145**
*K0MPH	"	463,986	664	164	63	119
*K0AD	"	251,781	575	110	49	108
*WN0L	"	226,825	426	123	49	43
*NX0I	"	197,358	410	123	58	78
*K0BJ	"	183,456	320	126	63	63
*W0TUP	"	175,436	408	100	47	97
*KS0T	"	139,037	321	104	50	103
*K1ING/0	"	138,992	355	96	47	95
*W0RK	"	129,408	277	105	50	37
*N0MK	"	124,712	267	105	57	76
*WA0LJM	"	105,600	250	91	40	34
*W0OVM	"	88,862	228	111	46	0
*K0OB	"	73,616	229	72	42	58
*WG0M	"	71,708	303	47	32	103
*WA0GUD	"	69,006	210	89	45	25
*WB0QLU	"	66,584	199	77	35	52
*K7RE/0	"	58,078	345	47	25	70
*K0WA	"	40,950	135	72	30	15
*N0UJJ	"	38,766	154	56	34	52
*KA0EIC	"	35,757	144	57	33	47
*W0PC	"	19,647	99	37	35	39
*W0VB	"	18,139	83	56	31	10
*KJ0B	"	16,617	72	48	26	13
*KC0REN	"	16,585	101	34	30	43
*WB0ULX	"	16,450	79	40	27	27
*N0SO	"	14,758	87	42	27	25
*K0WIU	"	13,528	85	30	22	37
*KB0NHW	"	13,485	97	31	22	34
*WC0V	"	10,112	64	31	20	13
*KI0G	"	10,004	96	26	19	37
*K0FBV	"	8,772	72	36	18	14
*K0YQ	"	8,379	50	40	20	3
*W0MRM	"	7,906	50	34	24	1
*W0NZG	"	7,178	53	31	21	22
*W0GLB	"	7,155	52	34	19	0
*N0MTC	"	6,235	50	30	13	0
*K0VG	"	3,038	36	26	16	7
*K0SDW	"	2,976	35	18	15	15
*KD0NIL	"	2,430	32	16	18	20
*N0LEF	"	1,769	28	18	5	6
*N0IBT	"	361	15	5	5	9
***N0OK**	**28**	**35,189**	**171**	**53**	**20**	**4**
***AB0YM**	**7**	**6,944**	**100**	**18**	**10**	**28**
***K0IDT**	**3.5**	**5,141**	**105**	**4**	**5**	**44**

Alaska

KL7AC	**A**	**867,840**	**1236**	**98**	**58**	**164**
AL1G	"	82,246	315	26	24	68
KL5E	"	7,440	55	25	19	18
NL8F	"	2,720	49	10	12	18
KL8DX	**28**	**30,303**	**236**	**12**	**9**	**42**
***AL7L**	**A**	**396**	**12**	**6**	**7**	**5**

Canada

VY2SS	**A**	**292,221**	**866**	**76**	**23**	**38**
VE9MY	"	106,023	225	104	37	36
VO1OR	"	47,450	187	70	22	38
***VE9NC**	**A**	**530,228**	**747**	**136**	**57**	**91**
*VE1ZD	"	266,064	426	140	54	82
*VO1BQ	"	22,080	100	51	22	23
***VY2LI**	**21**	**264,966**	**814**	**66**	**20**	**43**

VE2EZD	**A**	**265,720**	**385**	**134**	**58**	**88**
VE2SB	**3.5**	**92,180**	**459**	**41**	**14**	**55**
***VA2UP**	**A**	**3,977,680**	**2807**	**271**	**81**	**208**
*VE2AXO	"	780,435	884	185	58	126
*VE2EBK	"	517,145	581	185	70	98
*VA2WA	"	102,070	248	86	49	38
						(OP: VA2WDQ)
*VE2KOT	"	33,005	124	46	26	43
*VE2SG	"	13,770	71	36	20	25
*VE2GGY	"	3,528	55	23	11	22

VE3DZ	**A**	**2,585,024**	**2102**	**243**	**82**	**153**
VE3RTU	"	1,697,605	1422	230	91	134
VE3EY	"	305,440	518	111	41	78
VE3FWA	"	203,315	324	117	64	78
VE3FJ	"	172,000	327	115	48	52
VE3CX	**14**	**106,172**	**359**	**63**	**17**	**47**
VA3TTU	"	95,360	297	68	21	39
***VA3SB**	**A**	**751,872**	**783**	**206**	**68**	**110**
*VE3IAE	"	630,432	715	193	67	92
*CG3FH	"	609,828	683	182	58	116
						(OP: VE3FH)
*VE3JI	"	581,571	676	172	63	126
*VE3FDT	"	536,346	596	193	67	99
*VA3MJR	"	260,084	390	186	67	0
*VE3AJ	"	134,907	273	99	42	52
*VE3GYL	"	121,952	251	101	43	62
*VE3KAO	"	109,040	241	77	46	65
*VE3EK	"	62,775	192	66	29	40
*VE3MCF	"	22,052	125	39	13	22
*VE3RCN	"	12,000	64	32	23	41
*VE3WA	"	10,125	54	52	29	0
*VA3TPV	"	9,216	62	33	17	22
*VE3FZ	"	3,384	34	18	17	12
***VA3RNJ**	**7**	**112**	**5**	**4**	**3**	**1**

VE4EAR	**A**	**1,089,786**	**978**	**215**	**84**	**148**

VE5CPU	**14**	**23,100**	**194**	**11**	**10**	**45**
***VA5LF**	**A**	**484,410**	**625**	**133**	**67**	**135**
*VA5RI	"	17,523	79	35	27	37
*VE5UO	"	4,524	47	15	16	21

VE6RRD	**A**	**23,072**	**97**	**37**	**32**	**43**
***VE6SQ**	**A**	**292,410**	**535**	**79**	**51**	**140**
*VE6AX	"	163,905	301	84	55	84
*VE6MO	"	48,786	167	46	37	58
*VE6SKY	"	7,812	72	11	12	40
*VE6DJT	"	2,898	31	9	14	19

VA7HZ	**A**	**30,723**	**118**	**34**	**40**	**59**
VE7HBS	**14**	**36,087**	**272**	**11**	**10**	**48**
***VE7BC**	**A**	**463,526**	**727**	**80**	**60**	**153**
*VA7ST	"	449,268	612	110	67	171
*CF7AM	"	414,128	744	73	47	166
						(OP: VA7AM)
*VE7BSM	"	211,250	416	81	51	118
*VE7FCO	"	50,362	154	54	33	62
*VA7CPC	"	24,415	127	25	23	47
*VA7DXC	"	22,320	120	21	23	49
*VE7BGP	"	8,360	53	24	24	28
***VA7MM**	**28**	**9,676**	**79**	**20**	**15**	**24**

CG9HF	**A**	**222,456**	**415**	**104**	**50**	**94**
						(OP: VE9HF)

Costa Rica

***TI2WMP**	**14**	**1,032**	**19**	**17**	**7**	**0**
***TI2KAC**	**7**	**4,961**	**49**	**27**	**9**	**5**

Cuba

CO2QM	**A**	**15,604**	**101**	**39**	**22**	**33**
***CO3JN**	**A**	**890,668**	**896**	**211**	**72**	**145**
*CO2NO	"	615,986	855	146	47	129
*CM3RPN	"	540,973	700	171	62	114
*CO2MS	"	226,460	402	124	44	92
*CO8CML	"	181,420	400	94	36	63
*CO2VE	"	156,114	375	87	26	76
*CO3CJ	"	87,132	290	93	40	79
*CO2IZ	"	56,834	163	80	37	40
*CO2ZK	"	38,907	132	62	33	36
*CO6HZ	"	25,900	148	64	36	48
*CO2GL	"	21,432	120	33	18	43
*CO2WL	"	19,588	129	50	34	34
***CO8TW**	**28**	**56,551**	**267**	**40**	**16**	**41**
***CO6LP**	**21**	**218,805**	**681**	**70**	**23**	**52**
***CO2CW**	**14**	**55,224**	**243**	**55**	**22**	**40**
*CO6EC	"	17,056	105	43	15	24
***CO2ZT**	**7**	**50,610**	**267**	**46**	**16**	**43**
*CO2KY	"	23,463	152	43	12	24
*CO8ZZ	"	22,848	121	40	13	31
*CO2XPR	"	6,032	65	33	11	14
*CM2ORO	"	4,216	78	34	12	16
*CO2RR	"	2,268	130	40	14	30

Dominican Republic

HI8PJP	**14**	**79,686**	**321**	**55**	**18**	**41**
***HI3TEJ**	**A**	**2,436,352**	**2060**	**225**	**83**	**188**
***HI8PLE/7**	**28**	**20,345**	**119**	**33**	**13**	**19**
						(OP: HI8PLE/7)
***HI3TT**	**14**	**38,016**	**186**	**40**	**19**	**37**

Guadeloupe

FG5LA	**21**	**188,110**	**593**	**62**	**21**	**47**
***FG4NO**	**28**	**265,275**	**796**	**60**	**21**	**50**

Guatemala

TG9SM	**14**	**25,080**	**197**	**23**	**14**	**39**
TG9ADQ	"	20,769	154	14	10	45
***TG9ANF**	**14**	**238,149**	**789**	**61**	**24**	**56**

Jamaica

6Y6U	**A**	**6,010,598**	**3779**	**294**	**97**	**247**
						(OP: W1UE)

Martinique

***FM1HN**	**21**	**100,224**	**394**	**59**	**19**	**38**

Mexico

XE1GRR	**A**	**395,352**	**775**	**93**	**48**	**87**
XE3RR	"	111,200	299	73	32	95
XE1R	**28**	**104,390**	**427**	**44**	**20**	**46**
***XE2FGC**	**A**	**734,643**	**936**	**116**	**56**	**179**
*XE1XOE	"	355,428	521	115	61	148
*XE2S	"	64,413	186	51	33	69
***XE3N**	**28**	**119,554**	**472**	**47**	**22**	**44**
***XE1ZTW**	**21**	**5,152**	**60**	**14**	**10**	**22**

Puerto Rico

KP4JRS	**14**	**180,848**	**676**	**49**	**23**	**55**
***NP4BM**	**A**	**727,623**	**877**	**152**	**57**	**142**
*WP3GW	"	196,420	340	143	55	46
*KP4JFR	"	58,344	185	71	32	40
***WP4WW**	**28**	**166,760**	**664**	**45**	**14**	**51**
						(OP: NP3SI)
*NP3YL	"	4,116	44	15	9	18

AFRICA

Canary Islands

EA8CNB	**A**	**1,243,692**	**1165**	**209**	**72**	**105**
***EC8CQ**	**A**	**330,048**	**608**	**104**	**37**	**51**
*EA8AQV	"	91,683	182	76	58	49
*EA8GP	"	1,482	64	26	13	0
***EA8ARG**	**14**	**28,275**	**136**	**50**	**17**	**8**

Ceuta and Melilla

***EE9K**	**A**	**100,008**	**345**	**60**	**21**	**27**
						(OP: EA9CF)

Djibouti

***J28RO**	**A**	**83,840**	**238**	**84**	**32**	**12**
						(OP: F5IRO)

Madeira Islands

***CT3HF**	**28**	**129,812**	**477**	**59**	**23**	**10**

Morocco

***5C5W**	**A**	**3,864,324**	**2561**	**230**	**79**	**207**
						(OP: CN8KD)

Senegal

***6V7X**	**A**	**2,478,894**	**2016**	**197**	**69**	**160**
						(OP: IK2FIL)

South Africa

ZS6RJ	**A**	**18,320**	**92**	**56**	**24**	**0**
***ZS1JY**	**A**	**24,929**	**89**	**43**	**27**	**27**

Sudan

ST2AR	**21**	**1,061,583**	**1959**	**96**	**32**	**55**

ASIA

Armenia

***EK3GM**	**A**	**40,896**	**161**	**71**	**25**	**0**

Asiatic Russia

UA9OG	**A**	**1,389,804**	**1483**	**237**	**70**	**47**
RN9CM	"	868,868	908	248	89	27
RW9MZ	"	150,080	357	121	39	0
R8TX	"	116,550	352	80	38	8
UA9XF	"	106,533	310	100	33	0
UA9YE	"	91,416	218	98	43	15
R9CD	"	29,610	160	52	18	0
RT8O	"	20,032	110	44	20	0
RA9UN	**21**	**28,270**	**218**	**44**	**11**	**0**
***RT9S**	**A**	**1,385,856**	**1256**	**266**	**89**	**46**
*RA9JB	"	956,590	1228	199	56	34
*RU9AZ	"	779,462	955	212	76	14
*UA9FGJ	"	437,070	600	186	58	11
*UA9AL	"	399,200	781	153	46	1
*R8XF	"	367,092	819	126	36	0
*RT8X	"	279,498	480	153	57	12
*RA9CUU	"	267,200	596	121	45	1
*UA9OA	"	249,246	504	131	44	8
*RA9MX	"	246,000	375	168	64	8
*RL9I	"	175,120	392	94	44	38
*RA9DP	"	121,953	294	109	42	8
*R9UG	"	72,312	215	86	42	3
*UA9AX	"	65,685	178	92	42	11
*RK9UE	"	43,962	163	74	27	1
*UA9SUX	"	37,000	154	72	26	2
*RK9FBE	"	27,434	128	60	24	2
*RK9AK	"	19,116	98	57	24	0
*UA9CGL	"	1,922	24	17	11	3
***RA9RR**	**28**	**94,001**	**492**	**53**	**14**	**0**
*R9OSN	"	6,475	64	28	9	0
***UF8T**	**21**	**30,422**	**155**	**53**	**19**	**10**
*UA9KAD	"	9,284	89	31	13	0
***RX9FG**	**14**	**143,640**	**595**	**70**	**24**	**1**
*RA9AFZ	"	33,288	172	55	17	1

UA0YAY	**A**	**864,708**	**1123**	**193**	**74**	**32**
RW0AQ	"	783,900	1156	173	60	27
RK0SP	"	78,255	240	95	40	6
UA0BA	"	54	3	3	3	0
UA0CW	**28**	**63,440**	**233**	**60**	**28**	**16**
RW0SR	**21**	**119,238**	**463**	**63**	**25**	**14**
UA0AYA	"	95,319	409	63	18	8
						(OP: RA0AY)
UA0SR	"	74,124	240	64	24	28
***UA0C**	**A**	**432,666**	**803**	**119**	**69**	**46**
*RA0ACM	"	155,759	435	99	30	2
*RA0WHE	"	97,161	275	107	31	1
*UA0WF	"	89,100	293	91	41	3
*RX0SA	"	72,964	269	86	30	0
*RA0AY	"	45,472	175	75	35	2
*RU0LI	"	33,750	146	57	24	9
*RD0CD	"	33,028	156	66	26	0
*RV0AUI	"	30,555	124	60	31	6
*RZ0SW	"	12,663	87	44	23	0
*UA0ZC	"	11,115	69	49	16	0
***RN0SS**	**28**	**123,760**	**577**	**61**	**19**	**0**
***UA0SIK/0**	**21**	**48,165**	**197**	**56**	**21**	**18**
*RX0SC	"	43,296	206	57	19	12
*RW0LQ	"	40,832	172	54	21	13
***RW0AJ**	**14**	**7,905**	**62**	**33**	**15**	**3**

Asiatic Turkey

***TA2/TA1CQ**	**A**	**38,024**	**154**	**70**	**27**	**0**

Azerbaijan

***4K9W**	**A**	**82,315**	**325**	**80**	**19**	**2**

China

BD4QH	**A**	**273,764**	**649**	**106**	**51**	**21**
B4TB	"	12,859	65	43	29	5
BA1RB	"	3,219	37	21	15	1
BA7CK	**28**	**136,285**	**557**	**60**	**25**	**12**
BD7LMD	**14**	**72,819**	**374**	**59**	**24**	**4**
***BD3RQ**	**A**	**141,120**	**388**	**101**	**48**	**11**
*BD6OT	"	45,990	221	62	37	6
*BD1LEN	"	34,216	172	54	31	6
*BD3MF	"	27,140	151	60	30	2
*BD6AHU	"	25,203	131	56	33	4
*BD1DCG	"	13,572	107	37	21	0
*BH1LND	"	8,848	82	36	20	0
*BD4CD	"	7,725	50	35	28	12
*BD3MH	"	6,477	55	32	19	0
*BH1IUM	"	3,880	49	25	15	0
*BH3QBY	"	2,146	36	19	10	0
*BD7MTJ	"	560	11	10	9	1
*BG6CJR	"	240	10	7	5	0
***BD7NWF**	**28**	**119,795**	**484**	**62**	**25**	**10**
*BG6IF	"	605	23	7	4	0
***BD6PA**	**21**	**50,765**	**283**	**51**	**16**	**4**
*BD6IC	"	8,820	100	26	13	3
***BG2AUE**	**14**	**41,648**	**252**	**50**	**20**	**6**
*BA5HAM	"	20,520	166	40	18	2
***BA4SCP**	**7**	**720**	**32**	**9**	**7**	**0**
*BY1QH	"	325	13	7	6	0

Georgia

***4L9QQ**	**3.5**	**24,075**	**200**	**38**	**7**	**0**

Hong Kong

VR2XMT	**A**	**99,330**	**407**	**62**	**40**	**8**
***VR2VIY**	**A**	**30,636**	**135**	**58**	**33**	**1**

India

VU2LBW	**A**	**1,207,710**	**1232**	**226**	**79**	**50**
***VU2NKS**	**A**	**641,823**	**825**	**191**	**65**	**17**
*VU2RMS	"	92,852	267	96	31	12
*VU2PTT	"	71,604	171	101	45	10
*VU2ABS	"	14,835	84	51	18	0
***VU3DJQ**	**7**	**390**	**14**	**8**	**5**	**0**

Israel

***4Z5MY**	**28**	**4,477**	**54**	**23**	**11**	**3**
***4Z5CP**	**21**	**340,136**	**892**	**80**	**31**	**25**

Japan

JA1OVD	**A**	**1,535,314**	**1337**	**214**	**99**	**105**
JF1NHD	"	928,032	1011	167	69	100
JA1AYO	"	543,932	619	179	85	59
JF1OPL	"	318,008	454	107	59	88
JA1IKA	"	250,446	371	133	81	53
7K4QOK	"	221,325	407	107	42	46
JO1VRV	"	140,461	278	116	55	26
JL1DLQ	"	137,735	294	88	45	36
JE1SGH	"	35,728	117	61	37	18
JA1RTX	"	32,011	97	45	40	34
JA1KJW	"	26,093	114	65	32	0
JO1SIM	"	23,290	108	54	27	4
JK1KSB	"	2,263	25	21	10	0
JE1LFX	**28**	**272,745**	**680**	**72**	**28**	**45**
JL1SAM	"	109,595	366	57	25	33
JA1HGY	"	55,392	205	57	24	15
JN1RQV	"	11,220	75	32	12	7
JF1DMY	**21**	**38,130**	**149**	**50**	**21**	**22**
JR1HUA	"	21,666	114	42	15	12
JR1LZK	**14**	**19,344**	**90**	**45**	**23**	**10**
***JI1RXQ**	**A**	**1,039,218**	**990**	**183**	**85**	**111**
*JA1BJI	"	996,450	969	212	96	82
*7N2UQC	"	495,112	602	163	82	66
*JA1HFY	"	251,520	408	136	79	47
*JA1FRQ	"	199,520	342	112	68	52
*JA1IZ	"	191,178	308	124	60	50
*JA1EMQ	"	191,130	320	122	66	42
*JF1LMB	"	151,844	274	107	57	39
*JA1AZR	"	115,940	241	89	63	35
*JI1LAT	"	80,500	184	79	48	34
*JA1IE	"	73,632	191	79	49	28
*JF1MAD	"	71,012	164	84	50	30
*JA1NGW	"	57,440	137	78	47	35
*JA1BFN	"	53,808	173	58	30	30
*JA1MVK	"	37,940	129	56	44	40
*JA1RRA	"	36,828	128	58	33	17
*JA1SKE	"	27,810	110	41	28	21
*7K2PZG	"	25,960	91	71	40	7
*7M4OOS	"	23,940	133	41	16	13
*JA1OHP	"	23,900	90	48	37	15
*JA1BHK	"	23,092	109	49	33	10
*7N4QCQ	"	21,402	89	51	29	7
*7M1MCY	"	21,216	91	50	32	14
*JF1VRU	"	20,944	93	42	27	19
*JA1PTO	"	11,180	64	37	21	7
*JF1DAJ	"	11,026	60	36	26	12
*JP1HUJ	"	9,632	68	30	14	12
*JA1CPZ	"	7,296	49	20	15	22
*JA1LZK	"	6,270	48	22	19	14
*JA1SCE	"	4,233	34	26	20	5
*JA1KEB	"	3,652	32	18	15	11
*JJ1LRD	"	2,788	33	23	16	2
*JP1LRT	"	2,196	22	15	12	9
*JA1PYP	"	1,485	20	17	10	0
*JA5INF/1	"	1,363	25	16	13	0
						(OP: JA5INF/1)
*JE1QCL	"	1,353	27	20	12	1
*7K3OZQ	"	403	11	6	4	3
*JR1AHP	"	117	5	5	3	1
***JH1DGQ**	**28**	**70,992**	**245**	**53**	**24**	**25**
*JH1XUZ	"	51,243	207	46	22	19
*JF1WQC	"	22,052	108	42	22	10
*JI1HFJ	"	10,494	79	28	19	6
***JK1NSR**	**21**	**65,624**	**231**	**59**	**24**	**21**
*JG1IEF	"	56,056	195	53	21	30
*JF1PYJ	"	28,336	128	35	19	23
*JI1SAI	"	27,432	140	45	17	10
*JA1HOM	"	15,975	99	39	19	13
*JI1BBN	"	14,616	98	40	15	3
*JH1KIM	"	4,970	52	28	7	0
*JI1EWK	"	4,536	48	22	13	7
*JI1UDD	"	1,242	18	7	8	8
***JF1TEU**	**14**	**13,992**	**80**	**34**	**25**	**7**
*JE1RRK	"	6,820	80	32	17	6
*JR1UMO	"	1,755	23	13	11	3
*JE1GZB	"	925	22	10	11	4
*JK1LUY	"	160	6	6	4	0
***JH1APZ**	**7**	**28,914**	**138**	**42**	**23**	**14**

JA2VHO	**A**	**379,296**	**506**	**144**	**71**	**73**
JA2HOL	"	162,778	401	81	38	32
JR2PMT	"	133,076	254	115	55	36
JA2ATE	"	29,744	118	67	34	3
JF2FIU	"	24,750	98	36	25	29
JA2CPD	"	8,662	49	35	19	7
JR2BCF	"	6,324	54	30	19	2
JA2FJF	"	4,000	33	26	16	8
JA2FSM	**28**	**24,318**	**138**	**16**	**15**	**32**
JH2BTM	**21**	**71,904**	**242**	**54**	**23**	**30**
***JR2PAU**	**A**	**152,544**	**279**	**106**	**65**	**56**
*JK2KNR	"	118,668	239	100	57	29
*JA2GHP	"	81,528	188	88	44	26
*JR2MIN	"	50,700	154	68	37	25
*JA2HBK	"	33,728	99	67	39	18
*JA2LCN	"	15,663	84	48	21	0
*JA2IXS	"	14,022	80	51	31	0
*JA2RPZ	"	11,289	64	36	26	9
*JE2TLZ	"	2,975	29	22	9	4
*JF6IHU/2	"	198	7	6	5	0
***JE2UFF**	**28**	**261,166**	**698**	**74**	**29**	**31**
*JH2MYN	"	30,415	141	41	24	14
*JE2SOY	"	20,215	119	40	21	4
***JA2HYD**	**21**	**21,888**	**116**	**40**	**17**	**15**
*JR2AAN/2	"	6,525	55	20	13	12
***JJ2DWL**	**7**	**2,720**	**33**	**14**	**10**	**8**

JR3NZC	**A**	**983,592**	**1034**	**184**	**79**	**79**
JA3QOS	"	171,380	308	123	59	27
JA3AVO	"	56,680	149	65	36	29
JF3LOP	**28**	**810**	**21**	**12**	**3**	**0**
JL3SBE	**21**	**72,150**	**254**	**60**	**24**	**27**
JH3GCN	"	3,384	46	25	10	1
JG3WCZ	"	6	1	1	1	0
JO3AGQ	**7**	**1,040**	**23**	**13**	**7**	**0**
***JH3CUL**	**A**	**482,670**	**665**	**162**	**70**	**47**
*JF3NKA	"	299,386	505	111	53	50
*JA3IKG	"	284,616	435	145	54	37
*JA3HBF	"	236,430	429	132	58	32
*JA3JM	"	180,011	308	114	69	44
*JR3NDM	"	92,511	216	99	53	19
*JH3WKE	"	90,300	196	86	53	36
*JO3EVM	"	84,064	207	79	42	27
*JO3PSJ	"	82,296	224	94	49	19
*JA3KKE	"	76,796	204	72	44	30
*JE3UHV	"	74,060	187	86	51	24
*7J3AOZ	"	41,750	143	64	42	19
*JH3PTC	"	35,178	121	55	42	26
*JI3FLA	"	24,057	153	45	26	28
*JA3JND	"	13,575	79	39	24	12
*JA3DAU	"	9,724	76	37	14	1
*JO3QVT	"	8,162	56	38	26	13
*JL3DGI	"	2,964	28	21	13	4
*JI3OGI	"	126	5	3	3	3
***JH3DMQ**	**28**	**74,140**	**243**	**57**	**27**	**26**
*JA4XHF/3	"	43,516	179	49	23	14
						(OP: JA4XHF/3)

***JR3RIY**	**21**	**208,593**	**598**	**70**	**24**	**35**
*JE3EVI	"	4,888	43	21	15	11
*JP3BHC	"	1,380	26	19	11	0
***JL3TMH**	**7**	**34,918**	**205**	**42**	**23**	**14**
*JL3MCM	"	162	6	2	2	5

JH4UYB	**A**	**2,869,920**	**2164**	**251**	**97**	**132**
JO4CTB	"	99,550	207	84	59	38
JH4BTI	**21**	**40,050**	**177**	**51**	**20**	**19**
***JE4MHL**	**A**	**416,625**	**512**	**171**	**85**	**47**
*JI4JGD	"	4,815	43	18	15	12
*JF4RKC	"	4,743	34	28	17	6
***JI4UEN**	**21**	**52,822**	**220**	**50**	**23**	**25**
*JN4UUS	"	42,370	158	47	20	28
*JH4GLG	"	19,182	100	41	18	10
***JR4GPA**	**14**	**50,007**	**237**	**57**	**18**	**4**
*JJ4CDW	"	38,822	163	60	24	10
***JR4VEV**	**7**	**21,842**	**153**	**32**	**22**	**13**
*JH4WUI/4	"	63	4	3	2	2

JE5JHZ	**A**	**60,768**	**156**	**81**	**43**	**20**
***JA5SUD**	**A**	**231,220**	**383**	**129**	**64**	**27**
*JJ5HUD	"	52,925	142	75	46	24
*JA5FMT	"	15,246	75	47	30	0
*JA5CUX	"	10,472	58	40	29	8
*JA5ENO	"	2,015	26	22	8	1
***JA5BZL**	**28**	**22,052**	**103**	**43**	**19**	**12**
*JA5XPD	"	3,420	31	19	11	8
***JG5DHX**	**21**	**6,650**	**55**	**31**	**14**	**5**

JA6BZI	**A**	**672,588**	**688**	**196**	**85**	**76**
JH6QFJ	"	307,444	555	126	53	23
JA6WJL	**28**	**447,096**	**1031**	**89**	**33**	**34**
***JA1IST/6**	**A**	**143,910**	**271**	**119**	**61**	**25**
*JR6GIM	"	63,523	186	80	40	19
*JF6MGC	"	18,564	83	51	31	2
*JH7IPR/6	"	12,998	73	45	22	0
*JK6JAB	"	6,785	55	34	23	2
*JA6TWS	"	4,620	53	30	14	0
***JH6WHN**	**28**	**127,413**	**430**	**66**	**27**	**24**
*JA6WFM	"	45,592	194	46	19	17

JA7IC	**A**	**839,694**	**913**	**176**	**77**	**96**
JA7BME	"	798,690	840	181	79	77
JH7QXJ	"	239,258	387	112	61	54
***JA7VEI**	**A**	**246,261**	**362**	**117**	**67**	**65**
*JE7HYK	"	160,328	314	103	59	34
*JH7IMX	"	43,942	147	53	44	30
*JL7OTC	"	22,227	93	48	28	17
*JP7AWQ	"	13,072	64	40	26	10
*JA7BOM	"	1,508	20	13	8	5
***JH7RTQ**	**28**	**62,698**	**247**	**49**	**25**	**20**
***JA7KQC**	**14**	**2,240**	**26**	**21**	**13**	**1**

JA8TR	**A**	**369,974**	**602**	**125**	**53**	**73**
JA8MXC	**7**	**4,554**	**63**	**14**	**10**	**9**
***JA8EIU**	**A**	**277,992**	**447**	**142**	**64**	**37**
*JA8CEA	"	35,096	113	47	30	30
*JR8ORC	"	31,300	113	59	28	13
*JE8KKX	"	10,764	53	34	23	12
***JA8IJI**	**14**	**3,740**	**44**	**19**	**11**	**4**

JA9CWJ	**14**	**100,300**	**315**	**71**	**26**	**21**
***JA9LX**	**A**	**168,287**	**324**	**114**	**58**	**31**
***JH9KVF**	**28**	**182,876**	**510**	**68**	**28**	**35**
***JE9MBV/9**	**21**	**8,427**	**64**	**35**	**14**	**4**

JHØINP	**A**	**270,802**	**468**	**73**	**47**	**83**
***JAØCGJ**	**A**	**270,465**	**471**	**102**	**59**	**58**
*JAØNFP	"	150,288	272	106	65	31
***JRØBUL**	**28**	**10,017**	**67**	**27**	**16**	**10**

Kazakhstan

UN8PIM	**A**	**215,860**	**478**	**124**	**48**	**0**
UN9PQ	**28**	**7,308**	**62**	**32**	**10**	**0**
UN1L	**14**	**667,290**	**1492**	**97**	**32**	**48**
***UN7CN**	**A**	**513,597**	**720**	**187**	**63**	**9**
*UN7TDB	"	269,178	580	126	45	3
*UN8PT	"	43,818	163	71	33	5
***UN3Z**	**28**	**22,770**	**125**	**51**	**18**	**0**
*UN5J	"	504	12	10	4	0
***UN7JX**	**21**	**215,900**	**646**	**82**	**28**	**17**

Kuwait

9K2HN	**A**	**204,844**	**437**	**101**	**39**	**26**

Kyrgyzstan

EX8AB	**A**	**206,455**	**501**	**113**	**44**	**0**
***EX2U**	**A**	**46,800**	**194**	**74**	**26**	**0**
***EX8AI**	**14**	**71,520**	**347**	**57**	**18**	**5**

Lebanon

***OD5NJ**	**A**	**137,268**	**396**	**93**	**30**	**0**
*OD5NF	"	5,586	63	32	10	0
***OD5PL**	**28**	**102,828**	**506**	**45**	**13**	**18**

Mongolia

JT1F	**14**	**147,805**	**622**	**75**	**28**	**0**
						(OP: JT1DA)

Saudi Arabia

HZ1FI	**A**	**1,091,417**	**1174**	**211**	**66**	**46**
						(OP: DL2RMC)
***HZ1PS**	**A**	**1,463,000**	**1353**	**214**	**68**	**98**
*7Z1HL	"	513,330	751	155	55	31
*HZ1DG	"	6,201	60	29	10	0
***7Z1SJ**	**28**	**394,896**	**952**	**87**	**32**	**33**

South Korea

DS5QLJ	**A**	**84,711**	**243**	**82**	**47**	**22**
HL3AMO	**28**	**10,203**	**67**	**27**	**21**	**9**
***HL1VAU**	**A**	**567,502**	**725**	**187**	**84**	**28**
*HL2CFY	"	53,560	160	88	42	0
*DS3BNU	"	37,590	167	51	43	11
*HL5JCB	"	29,478	110	57	34	11
*DS2GOO	"	1,764	45	8	6	4
***HL5YI**	**28**	**722**	**13**	**7**	**7**	**5**

Taiwan

BV1EK	**A**	**237,384**	**443**	**128**	**62**	**26**
***BV4VQ**	**21**	**3,612**	**85**	**12**	**9**	**0**
***BV4VR**	**14**	**9,652**	**111**	**24**	**14**	**0**

Tajikistan

EYØA	**21**	**667,212**	**1614**	**95**	**32**	**29**
						(OP: UA4LCQ)

Thailand

HSØZDY	**28**	**27,450**	**138**	**55**	**20**	**0**
***E21YDP**	**A**	**836,583**	**1035**	**196**	**69**	**38**

UK Bases on Cyprus

ZC4LI	**21**	**611,985**	**1332**	**87**	**32**	**46**
***ZC4MIS**	**A**	**173,250**	**436**	**110**	**39**	**1**

United Arab Emirates

A65EE	**A**	**972,541**	**1273**	**168**	**49**	**64**
A61BK	**28**	**262,104**	**730**	**75**	**29**	**30**
***A65BR**	**A**	**293,584**	**433**	**150**	**57**	**29**

Uzbekistan

***UK7AZ**	**21**	**21,094**	**149**	**37**	**13**	**3**

West Malaysia

9M2CNC	**A**	**371,830**	**690**	**140**	**51**	**15**
						(OP: G4ZFE)
9M2TO	"	288,990	666	126	51	13
9M2CQC	"	179,985	426	111	51	7
***9M2NNM**	**A**	**240,275**	**587**	**115**	**50**	**10**
***9M2DRL**	**21**	**5,236**	**69**	**18**	**14**	**2**

EUROPE

Austria

***OE5PEN**	**A**	**288,200**	**590**	**166**	**54**	**0**
*OE3RTB	"	215,452	380	140	55	49
*OE3DMA	"	103,788	409	92	27	5
*OE9HGV	"	63,801	199	74	38	27
*OE2LRO	"	45,384	162	57	31	36

Balearic Islands

EA6LP	**A**	**444,242**	**685**	**184**	**66**	**52**

Belarus

EU1AZ	**A**	**1,756,609**	**1588**	**276**	**97**	**114**
EW8DD	"	1,201,293	1515	206	84	91
EV1R	"	648,817	755	215	74	88
EU6AF	"	623,934	970	193	63	50
***EW8DZ**	**A**	**545,832**	**836**	**222**	**82**	**38**
*EW8OG	"	388,878	645	176	67	39
*EU4CQ	"	312,872	458	170	71	55
*EW6FX	"	169,260	362	139	51	27
*EW7LE	"	130,113	309	113	45	25
*EW6DM	"	82,928	277	103	31	12
***EU1DX**	**14**	**350,625**	**919**	**96**	**30**	**39**
*EW6EN	"	71,052	359	63	19	11

Belgium

OS1T	**A**	**921,600**	**933**	**195**	**73**	**132**
OT6N	"	554,800	845	161	64	79
ON4ALY	"	116,000	454	70	22	24
OR3A	"	46,864	187	84	22	10
OOØA	**14**	**22,869**	**172**	**46**	**11**	**6**
***OP7B**	**A**	**558,360**	**800**	**128**	**57**	**97**
						(OP: ON7BJ)
*ON5GQ	"	333,303	620	131	58	52
*OP3A	"	305,256	588	144	54	39
						(OP: ON8AJ)
*ON5RA	"	267,900	411	149	61	75
*ON6AT	"	42,240	135	55	33	40
*ON7BT	"	38,564	141	66	36	22
*ON4VMA	"	35,960	166	71	25	20
*ON6FC	"	5,858	50	33	21	4
*ON6UF	"	1,000	24	16	4	0
***ON4CT**	**28**	**126,619**	**392**	**55**	**29**	**43**
***ON3DI**	**21**	**13,311**	**128**	**36**	**15**	**0**
***OSØS**	**14**	**101,565**	**431**	**66**	**21**	**24**

Bosnia-Herzegovina

***E73PY**	**A**	**51,940**	**253**	**78**	**28**	**0**
***E79SD**	**7**	**47,067**	**282**	**53**	**14**	**20**

Bulgaria

LZ1BJ	**A**	**266,696**	**574**	**117**	**36**	**59**
LZ1794MAB	"	16,660	141	36	17	15
						(OP: LZ1ZF)
LZ3CB	"	2,528	39	20	8	4
***LZ5XQ**	**A**	**576,870**	**785**	**197**	**71**	**67**
*LZ2FQ	"	152,110	304	115	49	41
*LZ1BY	"	61,506	218	69	38	27
*LZ4BU	"	6,099	47	26	19	12
***LZ2JA**	**28**	**24,092**	**124**	**32**	**21**	**23**

Corsica

***TK/DF6ZY**	**A**	**144,440**	**398**	**123**	**37**	**24**
						(OP: DF6ZY)

Crete

SV9AHZ	**A**	**11,932**	**61**	**39**	**22**	**15**
***SV9FBK**	**A**	**7,788**	**56**	**44**	**22**	**0**
***SV9COL**	**14**	**7,722**	**70**	**33**	**12**	**9**

Croatia

9A4WY	**28**	**237,284**	**629**	**59**	**24**	**54**
9A8W	**21**	**433,314**	**987**	**89**	**32**	**50**
9A9SF	"	361,284	866	77	29	55
9A3AAX	**7**	**282,720**	**1016**	**62**	**18**	**44**
***9A3ZI**	**A**	**1,104,216**	**1202**	**235**	**79**	**103**
*9A3BIM	"	840,708	977	197	68	121
*9A8A	"	79,212	218	99	41	24
*9A/PC5A	"	31,200	129	79	34	7
*9A6ZT	"	20,680	94	41	28	25
*9A12AO	"	15,732	104	45	24	7
*9A6Z	"	13,068	96	46	20	0
*9A2BW	"	9,432	66	43	22	7
*9A5ALL	"	1,428	25	22	15	5
***9A4AA**	**3.5**	**1,140**	**32**	**17**	**3**	**0**

Czech Republic

OK2SFP	**A**	**1,199,829**	**1400**	**214**	**79**	**100**
OK1DBE	"	1,085,007	1113	239	84	104
OK6AB	"	611,672	763	153	73	88
OK2SG	"	350,280	420	217	75	68
OK1FAV	"	193,884	341	80	52	82
OK2BXW	**28**	**13,630**	**93**	**20**	**13**	**25**
OK2SAR	**7**	**72,601**	**468**	**52**	**15**	**12**
OK1MSP	"	52,170	198	58	19	34
***OK1VRF**	**A**	**776,286**	**898**	**210**	**84**	**72**
*OK1WCF	"	691,920	789	181	72	107
*OK1DKO	"	508,620	815	173	57	64
*OK2UHP	"	292,336	574	139	53	50
*OK1HEH	"	224,730	449	145	50	32
*OK2PAD	"	140,205	299	110	46	39
*OK1DEZ	"	130,848	296	112	52	24
*OK2SPD	"	118,830	324	108	41	21
*OK2JNB	"	55,913	196	70	41	32
*OK5ZH	"	53,172	210	82	32	12
*OK2QX	"	49,588	132	91	47	16
*OK2BJ	"	47,762	124	62	41	40
*OK1KMG	"	31,506	136	82	28	8
						(OP: OK1ULE)
*OK7T	"	31,482	134	42	20	37
						(OP: OK1FHI)
*OK2SWD	"	21,156	124	58	24	4
*OK1HL	"	19,110	98	50	30	11
*OK1PMA	"	13,321	75	47	21	9
*OK7CM	"	9,805	87	32	16	5
*OK6RW	"	8,584	51	34	24	0
*OK2CLW	"	2,666	32	14	10	7
*OK1ULE	"	80	9	4	4	0
***OK5SWL**	**21**	**924**	**20**	**13**	**9**	**0**
***OK3MO**	**14**	**34,340**	**231**	**51**	**13**	**4**
*OK1HGM	"	12,648	93	39	14	9
***OK1VPO**	**7**	**44,004**	**289**	**50**	**12**	**14**
*OK1SI	"	17,864	153	45	10	3

Denmark

OZ5NJ	**A**	**1,336,203**	**1499**	**184**	**71**	**108**
OZ1JTE	"	902,781	1156	208	80	75
OV1A	"	558,960	682	190	73	77
OZ1FAO	"	542,626	622	158	66	119
OZ1ADL	**28**	**66,468**	**279**	**26**	**16**	**45**
***OZ6TL**	**A**	**218,094**	**454**	**150**	**58**	**15**
*OZ7AM	"	86,625	217	72	38	55
*OZ6AGX	"	86,548	270	91	38	25
*OZ/DL3ARK	"	37,926	141	61	33	32
*OZ5TL	"	24,552	145	60	29	4
*OZ1DGQ	"	14,857	78	33	24	26
***5P5U**	**28**	**5,863**	**60**	**22**	**13**	**6**
***OZ1JVX**	**21**	**20,235**	**127**	**33**	**15**	**23**
***OZ7AEI**	**7**	**8,930**	**132**	**32**	**5**	**1**

England

G3TBK	**A**	**1,696,320**	**1465**	**248**	**95**	**153**
G3TXF	"	1,231,230	1146	236	84	131
GØHDV	"	725,208	1066	191	65	72
M2G	"	623,080	878	138	52	106
GØGFQ	"	80,640	197	84	47	37
G8UBJ	"	35,280	119	44	30	46
G3RTU	"	7,991	72	41	16	4
MØVBY	"	2,576	45	19	9	0
M5A	**28**	**29,614**	**158**	**17**	**13**	**37**
						(OP: G3WVG)
M3I	**21**	**411,835**	**1035**	**69**	**29**	**57**
						(OP: GØORH)
G1N	**7**	**53,105**	**286**	**56**	**13**	**26**
						(OP: G3MZV)
***GØMTN**	**A**	**1,896,673**	**1550**	**286**	**87**	**154**
*MØVAA	"	1,398,064	1260	257	84	131
*G4DBW	"	861,360	1012	219	77	92
*G4SGI	"	319,590	528	156	59	50
*G3TDH	"	318,932	494	160	60	64
*MØOSH	"	252,648	496	132	47	53
*MØRYB	"	243,036	423	139	53	66
*G8MIA	"	196,672	364	115	42	67
*G3RLE	"	193,256	353	121	55	56
*G8APB	"	165,440	314	133	54	48
*MØGVZ	"	164,800	352	115	48	43
*G3RSD	"	148,248	323	117	47	49
*MØTQR	"	137,196	299	119	44	43
*G6CSY	"	109,908	280	103	38	31
*G4WGE	"	101,310	272	86	40	39
*G3SNU	"	93,015	307	114	38	7
*G1FON	"	71,001	214	92	42	27
*MØTJU	"	67,680	167	108	38	34
*GØGDU	"	66,138	215	104	33	14
*G7TWC	"	45,110	138	63	37	30
*G7RTI	"	26,800	128	61	25	14
*2EØJXE	"	26,796	157	56	19	9
*G3LHJ	"	19,208	79	56	33	9
*G3KMQ	"	17,848	65	43	39	15
*G7MJX	"	16,344	114	47	20	5
*G6NHU	"	8,866	67	42	20	0
*G3LDI	"	7,434	44	19	17	23
*G3IGU	"	5,850	57	34	16	0
*GØWHO	"	4,480	71	45	19	6
*M3C	"	4,095	32	15	13	17
						(OP: GØVQR)
*MØAFZ	"	198	15	4	2	0
***G3KNU**	**28**	**37,044**	**169**	**41**	**19**	**24**
***G4FKA**	**21**	**71,126**	**282**	**54**	**16**	**36**
***M/YO4RDW**	**14**	**33,915**	**198**	**46**	**15**	**24**
***G3VMY**	**7**	**69,113**	**355**	**60**	**15**	**28**

Estonia

ES4RD	**A**	**344,556**	**760**	**112**	**52**	**40**
***ES2DJ**	**28**	**19,251**	**110**	**35**	**18**	**16**
*ES1WST	"	5,292	57	17	11	8
*ES1ABT	"	3,960	36	16	14	10
***ES1LS**	**21**	**103,505**	**350**	**67**	**25**	**35**
*ES6DO	"	2,255	26	21	14	6
***ES1HJ**	**14**	**34,884**	**233**	**44**	**14**	**18**

European Russia

RG3K	**A**	**3,755,400**	**3048**	**306**	**108**	**136**
RW4W	"	2,503,497	2290	330	103	68
RA4HL	"	885,720	1121	234	77	55
RN3ZC	"	792,880	1010	227	82	65
RW6CR	"	622,380	1244	149	47	50
RN3A	"	613,167	907	185	77	51
UA3QGT	"	558,250	831	190	72	57
RK4S	"	363,912	688	201	56	0
UA3TCJ	"	337,928	604	97	45	70
RW4NN	"	300,366	560	132	61	53
RA3NC	"	283,998	486	190	70	26
RL2A	"	272,556	458	161	72	35
RW4FE	"	192,559	304	129	68	44
R7HF	"	186,463	408	117	46	36
RX3AEX	"	145,948	311	127	54	33
RA3TT	"	138,106	309	131	54	14
RT3P	"	106,722	304	79	39	36
						(OP: UA3PAB)
RA3FD	"	99,960	290	117	38	13
UA4NC	"	82,236	252	130	44	4
UA3DPM	"	64,622	179	86	45	27
RJ4F	"	61,500	159	63	40	47
RZ3AIU	"	10,878	140	34	8	0
UA1OIZ	"	6,968	46	27	25	0
R6AF	"	6,272	52	30	15	4
UA1ORK	"	4,437	31	25	20	6
RZ3DX	**28**	**108,738**	**348**	**74**	**30**	**22**
RV3A	"	53,429	209	53	27	21
UA3EAY	"	22,576	105	41	23	19
RZ3DA	"	22,050	125	44	21	10
RV6ASU	"	19,680	92	48	23	9
R1AC	"	1,512	19	11	8	8
R3PW	**14**	**355,593**	**1084**	**86**	**28**	**33**
R3BT	"	246,638	659	92	33	33
RX6MR	"	84,099	388	67	21	9
UA6AKD	**7**	**64,657**	**400**	**56**	**14**	**13**
RT4W	"	21,584	172	48	14	9
RV5K	**3.5**	**24,299**	**282**	**39**	**8**	**0**
***R7MM**	**A**	**1,410,758**	**1420**	**274**	**90**	**85**
*UC6A	"	1,247,153	1267	283	92	82
*RA4FUN	"	1,019,088	1214	233	86	59
*UA4ALI	"	803,000	1037	222	81	62
*RX3ZX	"	731,000	990	227	74	39
*RV3ZN	"	693,912	937	224	76	48
*UA6BJY	"	566,990	869	181	61	53
*UA4HJ	"	537,240	769	237	82	11
*RN3QQ	"	508,295	634	243	86	38
*RW3LB	"	423,258	625	196	77	45
*R3FO	"	419,190	769	199	68	0
*RO1B	"	389,658	620	193	72	38
*UA3DCW	"	349,643	653	153	66	32
*RW3WX	"	318,780	512	166	69	41
*UA4FEN	"	308,340	549	192	65	13
*RA3ZSK	"	299,720	647	163	50	23
*RA1ALC	"	288,785	519	166	57	36
*RA3ATE	"	276,259	605	166	51	10
*RA6C	"	262,404	607	158	40	24
*RN3ZIC	"	233,996	368	164	62	48
*RQ3M	"	228,956	463	169	53	16
*UA3QJJ	"	225,212	424	141	64	39
*RU4PH	"	223,416	495	169	53	10
*RN6AI	"	221,672	473	154	52	23
*R2PA	"	220,160	344	136	63	57
*UA3TN	"	218,190	480	157	53	0
*R3PA	"	215,277	425	147	60	12
*UA3PT	"	213,663	546	153	48	0
*RW2WR	"	206,790	415	154	57	15
*RU3XB	"	206,421	390	158	60	31
*RN3DHU	"	178,086	423	132	45	24
*RU3WR	"	163,850	348	139	57	30
*RA3QH	"	153,784	401	139	39	10
*RW3PF	"	148,500	337	118	47	33
*UA3GX	"	141,900	307	140	50	25
*RA4FP	"	135,968	250	143	57	24
*UA6XES	"	135,952	368	165	53	14
*RA6HSM	"	125,330	358	116	40	10
*RU4LM	"	118,932	296	139	42	6
*RA3YBU	"	117,195	268	127	49	19
*UA6HO	"	116,966	219	153	65	15
*UA3QCB	"	113,050	299	123	48	19
*RM2T	"	102,346	380	109	37	0
*RV4HL	"	99,160	251	127	44	14
*RA6MK	"	94,302	306	115	43	11
*UA4LU	"	87,520	261	112	41	7
*RA3FH	"	82,472	218	101	43	25
*RN3BW	"	78,824	199	81	45	41
*UA3MOM	"	77,775	233	128	46	9
*R4WT	"	73,320	259	104	36	1
*RO3DX	"	62,168	170	76	46	30
*RN3DHL	"	59,075	196	82	40	17
*RN3AJK	"	57,961	214	104	34	11
*RG5G	"	53,250	152	85	40	25
*RW6HJV/6	"	51,186	265	80	31	3
						(OP: RW6HJV/6)
*RN6MA	"	48,042	205	63	29	10
*UA3NFI	"	45,770	167	70	34	11
*RX3AFE	"	43,470	165	73	33	20
*RX3MM	"	35,090	144	67	33	10
*UA3UBT	"	33,000	143	69	28	13
*RV3DBK	"	31,960	182	67	18	0
*RA3QDG	"	29,014	155	69	20	0
*RV3IC	"	28,380	102	59	39	12
*RA3VMD	"	23,124	104	56	29	9
*RA6XB	"	20,304	81	66	30	12
*RV6ACC	"	17,940	135	53	14	2
*RV3YR	"	16,274	86	36	20	23
*RY7A	"	15,041	77	50	25	14
*RA6FUZ	"	14,527	79	34	20	19
*RK1AX	"	13,832	68	63	26	2
*R2EAA	"	12,608	106	49	11	4
*RO7M	"	12,376	71	39	17	12
*RX3MX	"	11,925	68	37	28	10
*UA3SNJ	"	10,362	76	44	18	4
*RN6DR	"	4,888	50	30	15	2
*RK6AQM	"	4,494	47	28	11	3
*UA1OMS	"	4,116	40	24	15	3
*RA3RCL	"	2,622	27	20	15	3
*RK4HZ/3	"	1,566	26	18	11	0
						(OP: RK4HZ/3)
*UB1AAZ	"	975	18	14	10	1
*RA3BQ	"	735	12	9	8	4
*UA3RAB	"	-16	2	2	2	0
***RA4WC**	**28**	**93,012**	**461**	**59**	**23**	**10**
*R3BB	"	57,660	273	51	27	15
*RV4LS	"	32,752	144	55	23	14
*RV3LO	"	26,166	111	43	22	24
*UA4PAY	"	23,800	159	47	19	2
*RA3IS	"	9,184	65	26	18	12
*RW4NH	"	3,864	32	18	14	10
*R7BN	"	3,026	55	21	7	6
***RZ3AV**	**21**	**130,048**	**502**	**73**	**22**	**33**
*RL3AW	"	82,677	300	69	24	34
*RW4LQ	"	13,651	72	36	17	20
*RA3XEV	"	12,576	122	33	10	5
*RA4LK	"	2,840	33	15	11	14
***RM2M**	**14**	**335,556**	**1000**	**83**	**32**	**41**
*RW6AH	"	98,490	437	64	21	20
*RX4W	"	8,507	97	35	12	0
*RW3AI	"	5,625	58	28	12	5
***R4WAA**	**7**	**73,695**	**454**	**63**	**18**	**4**

European Turkey

***TA1CM**	**A**	**34,979**	**157**	**87**	**32**	**14**
***TA1BM**	**14**	**88,230**	**424**	**70**	**22**	**10**

Finland

OH8X	**A**	**3,374,920**	**2559**	**296**	**118**	**142**
						(OP: OH6UM)
OH4A	"	3,038,165	2559	303	109	147
OH7UE	"	1,582,680	1682	250	95	91
OH7KNM	"	884,017	1161	228	75	46
OH3OJ	"	514,776	999	171	58	12
OH2BBT	"	440,259	595	175	71	57
OH5KW	"	234,134	306	236	85	13
OH2BCK	"	148,780	315	45	28	100
OH2XX	"	60,588	185	49	33	50
OH7FAE	"	46,080	174	80	40	0
OH5UFO	**28**	**116,875**	**363**	**65**	**27**	**33**
OH9R	"	47,793	223	53	24	12
						(OP: OH2RI)
OG4X	"	2,997	30	20	12	5
OH1SIC	**7**	**26,554**	**173**	**48**	**14**	**9**
OG8A	**3.5**	**29,913**	**268**	**47**	**11**	**1**
***OH2NT**	**A**	**243,225**	**547**	**153**	**56**	**16**
*OH8HTG	"	138,106	337	135	52	12
*OH1XY	"	43,860	129	60	39	30
*OH3DP	"	40,424	140	58	35	31
*OH2LZI	"	17,334	157	37	11	6
*OH6FSG	"	6,272	60	33	15	1
*OH5VG	"	2,550	25	5	7	22
***OH8KVY**	**21**	**46,080**	**218**	**57**	**24**	**15**
*OH8JJ	"	35,492	219	47	14	15
***OH9UFO**	**3.5**	**2,352**	**67**	**18**	**3**	**0**

France

TMØT	**A**	**3,473,526**	**2679**	**257**	**101**	**215**
F8DHB	"	362,340	631	108	39	97
F2LZ	"	243,000	390	122	59	69
F8AAN	"	219,300	451	106	47	62
F5OAM	"	196,112	554	125	43	38
F5GFA	"	157,556	404	136	51	51
F1RHS	"	96,363	356	90	38	1

F5RJW	"	92,217	248	88	37	52
F6BIP	"	56,810	156	52	36	42
F4FNL	"	48,972	197	76	33	23
F5QE	"	47,994	239	72	22	20
F4FGB	"	1,224	20	4	5	15
F5CQ	**28**	**98,748**	**306**	**50**	**21**	**46**
F5VML	"	10,166	85	20	14	12
F5NBX	**21**	**129,870**	**397**	**58**	**25**	**47**
***F6HRP**	**A**	**818,640**	**880**	**187**	**66**	**126**
*F5VBT	"	602,556	993	216	66	16
*F5RD	"	406,890	665	153	60	61
*F8BNN	"	244,970	424	143	51	68
*F4FHZ	"	171,754	388	123	44	44
*F1IWH	"	164,640	351	127	44	39
*F5AXG	"	160,446	322	117	53	51
*F4EUN	"	158,844	396	147	46	24
*F6GCI	"	132,300	269	115	52	43
*F6FTB	"	130,752	298	100	47	45
*F6EWX	"	92,750	243	107	40	28
*F4FDR	"	87,016	320	107	31	8
*F5GGL	"	55,014	137	90	55	28
*F8PMO	"	22,770	109	61	34	4
*F5PJG	"	320	11	10	6	0
***F1AEY**	**28**	**101,556**	**372**	**56**	**26**	**35**
*F6IRG	"	63,960	238	41	23	40
***F6OBD**	**14**	**15,060**	**129**	**48**	**10**	**2**

Germany

DL1IAO	**A**	**2,955,216**	**2114**	**294**	**104**	**181**
DL5JS	"	1,225,217	1117	236	83	138
DL6JZ	"	1,147,988	1152	244	85	107
DF9GR	"	1,071,850	1071	259	87	96
DK9WI	"	673,180	760	216	82	90
DF2RG	"	660,096	686	209	81	92
DK6CQ	"	657,702	765	211	74	81
DL1RYD	"	553,052	677	213	75	73
DL4ME	"	538,780	834	208	70	32
DL1STG	"	522,560	614	208	87	73
DF2TT	"	422,304	556	192	73	67
DK1AX	"	420,564	639	181	62	60
DK8EY	"	399,424	561	168	58	90
DJ6TK	"	389,064	564	181	68	63
DF2MC	"	335,400	530	123	63	74
DC9ZP	"	307,377	448	165	73	49
DF5BX	"	290,714	443	151	61	62
DL5SE	"	277,920	500	135	57	48
DJ5IW	"	235,224	436	146	60	36
DF3EH	"	224,680	468	96	44	65
DC2YY	"	209,456	378	136	56	55
DK4IO	"	194,656	368	121	55	48
DF8JK	"	165,222	424	135	46	20
DL7UFN	"	164,475	278	79	53	83
DL8QS	"	161,325	351	170	69	0
DK4LI	"	132,990	303	111	50	34
DL8CA	"	122,941	239	77	43	73
DL5ASK	"	104,468	261	105	50	27
DB9EX	"	88,288	197	101	47	30
DL7UMK	"	87,373	244	108	43	18
DM5EL	"	69,440	251	63	38	11
DL3MR	"	63,450	210	72	37	32
DK1AQ	"	51,561	127	75	45	33
DL8RDL	"	47,360	164	69	37	22
DL6ZXG	"	39,204	141	83	38	0
DJ4PI	"	26,565	102	59	30	26
DF6RI	"	21,165	117	46	21	18
DK7MD	"	20,564	74	42	32	23
DL7UG	"	15,050	83	48	26	12
DK0IU	"	10,812	103	38	11	2
						(OP: DJ4KW)
DL5MG	"	2,345	27	22	13	0
DL1EJA	"	18	2	2	1	0
DL3BQA	**28**	**233,464**	**561**	**79**	**32**	**43**
DL8USA	"	5,832	38	26	18	10
DL8OBQ	**21**	**564,080**	**1243**	**87**	**32**	**57**
DJ9AO	"	21,024	116	24	17	32
DK4WW	**14**	**81,328**	**363**	**69**	**22**	**13**
DJ2YE	**7**	**24,960**	**195**	**46**	**9**	**9**
DL1SWB	**3.5**	**62,136**	**500**	**51**	**11**	**10**
DL2SAX	"	25,653	301	42	8	1
***DM3HZN**	**A**	**768,621**	**941**	**194**	**71**	**92**
*DL8ZAW	"	428,110	583	162	63	85
*DJ1OJ	"	406,252	560	170	67	71
*DJ5TT	"	394,188	570	172	68	67
*DL6SFR	"	310,526	523	161	60	57
*DL1ARJ	"	304,956	574	159	60	39
*DK1LRS	"	299,638	610	158	51	24
*DL1APX	"	290,924	523	167	50	40
*DF3IS	"	279,130	490	159	58	54
*DL5ZB	"	252,538	345	124	66	96
*DF6WE	"	248,321	492	147	54	38
*DK3WN	"	244,767	441	152	57	40
*DL1MAJ	"	241,066	368	124	52	81
*DL5GAC	"	235,480	404	107	48	77
*DL5JBW	"	216,660	430	146	54	30
*DL3OH	"	215,050	371	136	60	57
*DG0KS	"	211,344	356	129	59	50
*DL5SWB	"	194,064	419	125	49	34
*DR9P	"	191,698	457	120	45	37
						(OP: DO9PL)
*DJ4MH	"	189,272	373	138	54	44
*DK9ETM	"	184,665	470	121	33	41
*DK6NF	"	182,439	303	113	57	63
*DO3PKE	"	162,870	389	94	39	50
*DJ4WM	"	159,624	353	124	44	48
*DL8ZAJ	"	150,722	300	122	55	44
*DL5JSP	"	139,020	284	115	56	39
*DL7UGO	"	136,350	298	114	49	39
*DK5IR	"	135,606	321	116	43	35
*DL4NN	"	122,436	287	108	52	19
*DH5MM	"	120,900	256	112	51	32
*DJ6JH	"	119,140	299	82	45	34
*DO1BEN	"	117,504	360	107	46	0
*DJ5HB	"	116,325	380	113	35	17
*DL1KUR	"	111,074	236	48	33	77
*DH2PL	"	108,455	233	98	45	56
*DK3PM	"	104,980	255	109	41	31
*DL1HSI	"	104,525	280	112	46	27
*DB4MZ	"	101,904	295	102	39	35
*DO3KMF	"	101,436	267	84	39	35
*DK5DC	"	100,368	202	104	54	46
*DL9NO	"	99,756	337	119	34	0
*DH6BH	"	94,872	232	103	47	27
*DM3FF	"	90,415	243	97	42	30
*DK5OS	"	87,264	256	72	32	40
*DL7FA	"	86,973	251	83	38	38
*DL2NYC	"	84,804	272	107	41	0
*DF5WW	"	83,398	260	104	41	16
*DF4WC	"	75,123	207	86	35	32
*DO3ME	"	73,968	218	55	30	49
*DL8VKO	"	67,320	195	75	45	33
*DL1DXF	"	65,520	164	66	43	47
*DJ6UP	"	65,486	218	80	36	21
*DJ3GE	"	62,020	199	87	35	18
*DL1BA	"	60,643	153	65	32	52
*DH7LF	"	55,796	222	49	26	41
*DB1RL	"	54,940	165	88	41	35
*DK7UM	"	54,264	195	76	32	25
*DL1JGG	"	52,640	197	87	37	16
*DJ8UB	"	50,765	182	84	34	25
*DK4RL	"	49,911	150	60	39	28
*DL2GK	"	46,872	160	65	26	33
*DL4EAX	"	45,593	176	81	28	18
*DL2DWP	"	45,440	172	82	35	11
*DL8MAS	"	41,895	158	79	39	15
*DL1ET	"	40,449	127	95	44	0
*DF5AN	"	39,732	142	71	37	24
*DL5HF	"	36,252	155	72	32	10
*DF2KD	"	33,135	170	86	35	20
*DL7ACN	"	32,745	124	54	33	24
*DF1LX	"	31,978	124	70	29	19
*DL2RUG	"	31,501	107	42	27	40
*DO8PP	"	29,866	139	59	28	22
*DK9MS	"	28,404	109	52	32	24
*DC4UX	"	27,800	137	65	29	6
*DM55JES	"	27,328	109	63	30	19
						(OP: DL8ULF)
*DL3BBY	"	24,970	83	55	41	14
*DK4EF	"	24,035	123	60	30	5
*DL4TL	"	23,128	100	45	27	26
*DO1SRB	"	21,804	118	41	24	14
*DL6CNG	"	20,280	81	53	36	15
*DO1CDE	"	19,359	101	42	30	9
*DG1RPU	"	18,437	92	45	35	23
*DG0EK	"	17,765	99	55	27	3
*DD1UN	"	14,840	84	24	20	26
*DG3RCE	"	14,400	96	51	18	6
*DO7ML	"	14,300	98	31	17	17
*DL2ARG	"	13,260	94	44	21	0
*DL3DXF	"	12,972	86	47	33	14
*DJ3QB	"	11,454	70	26	17	26
*DO3NO	"	9,945	69	30	19	16
*DB3KE	"	9,891	62	25	19	19
*DL6RBH	"	9,815	62	28	23	14
*DM5JBN	"	9,486	71	43	19	0
*DL5ST	"	9,086	58	28	22	9
*DL1CI	"	8,236	68	32	17	9
*DO5HAI	"	6,664	61	28	16	5
*DK9BW	"	6,588	59	31	14	9
*DL4RCK	"	5,922	53	28	19	0
*DB3LO	"	5,665	45	27	15	13
*DG5AAP	"	4,992	51	32	16	4
*DO4HBK	"	4,730	53	24	17	14
*DG1MHC	"	3,950	34	22	18	10
*DF1LON	"	3,160	32	22	15	3
*DL7VRG	"	3,024	35	25	12	5
*DF4PD	"	2,960	40	26	10	1
*DJ3AN	"	2,829	24	23	17	1
*DJ1RK	"	2,508	30	15	15	3
*DL1LAE	"	2,024	72	33	11	0
*DG1ATN	"	1,782	41	20	7	0
*DJ1MD	"	1,584	21	20	13	0
*DG0AM	"	1,333	24	14	13	4
*DC2IP	"	1,000	24	11	9	0
*DL2AJB	"	450	10	9	9	0
***DL1CW**	**28**	**4,797**	**43**	**14**	**10**	**15**
***DL5KUD**	**21**	**118,188**	**317**	**79**	**28**	**40**
*DO6GZ	"	42,390	199	44	16	30
*DO3SP	"	7,975	69	37	18	0
*DO4TP	"	2,686	34	8	7	19
*DO1DXX	"	312	8	7	6	0
***DL1DTL**	**14**	**48,000**	**216**	**61**	**18**	**21**
*DL8RCL	"	35,190	150	65	19	18
*DL8DUL	"	13,456	109	35	12	11
*DL9NEI	"	3,168	38	23	11	2
***DJ0MCZ**	**7**	**87,514**	**458**	**58**	**15**	**25**
*DL8ZU	"	23,436	204	43	11	9
***DL1AIW**	**3.5**	**31,212**	**279**	**46**	**10**	**12**

Greece

SV1GYG	**A**	**366,030**	**669**	**125**	**55**	**65**
SV1JGX	"	336,905	806	152	62	1
SV2GJV	"	156,145	397	110	43	34
SV3GKU	"	114,380	295	94	42	36
SV8JE	"	13,770	73	35	24	26
SV1CJF	"	2,139	36	19	12	0
SV1MRV	"	1,584	36	25	11	0
***SV1NQX**	**A**	**187,083**	**521**	**113**	**37**	**19**
*SV7CUD	"	48,117	191	90	39	0
*SV2HTI	"	6,554	64	40	18	0
*SV8KOU	"	2,014	26	23	15	0
***SV2FLQ**	**28**	**42,874**	**165**	**38**	**29**	**30**

Guernsey

***GU0SUP**	**A**	**777,240**	**806**	**222**	**76**	**110**

Hungary

HA5SE	**A**	**340,291**	**507**	**137**	**59**	**85**
HA5AWT	**28**	**74,942**	**250**	**47**	**27**	**32**
***HA7YS**	**A**	**194,700**	**439**	**146**	**53**	**21**
*HA8XF	"	171,424	464	120	35	21
*HA3OU	"	102,675	227	100	45	40
*HA7LJ	"	80,592	269	97	36	13
*HA5OMM	"	71,136	206	87	44	25
*HA2ESM	"	2,208	29	5	5	22
***HA0LW**	**28**	**14,335**	**84**	**25**	**20**	**16**
*HG6C	"	10,528	87	23	15	18
						(OP: HA6IAM)
*HA2MN	"	7,912	71	20	14	9
***HA2SP**	**14**	**9,900**	**115**	**36**	**8**	**0**
***HA1WD**	**3.5**	**71,355**	**552**	**51**	**9**	**7**

Iceland

***TF3HP**	**A**	**19,565**	**116**	**57**	**19**	**15**
*TF8TTY	"	2,772	41	31	10	3

Ireland

***EI8FH**	**A**	**619,620**	**800**	**193**	**69**	**83**
*EI1DG	"	499,206	720	158	60	84
*EI4DW	"	305,184	501	124	55	85

Italy

IZ1PKV	**A**	**1,583,344**	**1417**	**240**	**89**	**140**
IK2BUF	"	595,440	743	210	71	79
IQ3UD	"	586,634	1038	184	77	13
						(OP: IW3RUA)
IK4QJF	"	496,485	731	150	58	87
IW2MYH	"	342,788	514	158	64	62
IK2DKX	"	303,564	575	129	57	60
IK3PQG	"	279,180	714	137	55	6
IK0FMB	"	226,944	587	120	49	23
IZ8EDL	"	206,388	314	161	64	48
IZ0GKB	"	179,580	344	112	52	55
IK1MEG	"	167,463	331	100	43	64
IK0UTM	"	106,930	253	111	42	32
IK2DJV	"	87,846	250	35	29	57
IK0EFR	"	81,466	227	101	43	17
IW0SAF	"	81,169	214	73	40	44
I5JFG	"	71,375	203	49	36	40
IW1CQ	"	70,082	223	65	36	33
IK2AHB	"	41,654	137	67	38	13
IZ3KSO	"	29,103	126	60	33	16
IZ1RFL	"	22,890	92	52	34	23
IK5MEQ	"	5,727	45	32	25	12
IK3ASM	**28**	**17,073**	**98**	**27**	**20**	**16**
IZ5DKJ	**21**	**379,668**	**857**	**88**	**29**	**57**
IO3K	"	39,494	163	42	22	34
IZ0GXM	"	15,695	79	32	14	27
IZ3GOM	**14**	**366,876**	**1051**	**86**	**28**	**44**
IN3QBR	**3.5**	**81,750**	**556**	**52**	**12**	**11**
I5WNN	"	15,224	198	39	5	0
***IW2MXY**	**A**	**694,203**	**850**	**203**	**76**	**82**
*IK2DZN	"	659,928	726	185	71	116
*IK3XJP	"	583,680	642	206	80	94
*IK5ZUB	"	502,265	634	176	61	86
*IR2ITA	"	441,375	651	177	69	75
						(OP: IZ2EWM)
*IK1RKU	"	431,235	571	176	66	73
*I0YQV	"	354,016	494	166	69	61
*IZ0HAP	"	284,550	440	148	63	60
*IK5RUN	"	222,345	297	172	67	66
*IK8MYM	"	220,849	360	161	69	39
*IV3ARJ	"	216,027	424	159	53	31
*IV3BCA	"	187,636	417	137	53	54
*IZ8EEL	"	169,604	381	118	48	52
*IN3BIY	"	168,948	300	112	52	64
*IK8NBE	"	164,573	377	135	50	14
*IK1VEK	"	164,340	364	125	55	40
*I7/IN3IZT	"	163,438	391	122	49	38
*I2XLF	"	160,571	373	121	44	46
*IK6UBY	"	160,268	347	125	49	32
*IZ3GOG	"	154,336	286	127	59	26
*I0GIA	"	140,818	367	124	46	11
*IK2YSJ	"	140,192	316	121	48	39
*IK5UAN	"	126,075	248	87	46	72
*IK0CHU	"	113,634	275	91	40	46
*IZ5ILK	"	112,710	234	83	49	63
*IK5ZTT	"	111,931	311	103	32	38
*I2BZN	"	88,749	236	98	39	34
*IK2WFN	"	88,509	244	99	40	24
*I0HJN	"	87,696	236	94	39	41
*IZ8JFL/1	"	83,905	272	125	42	6
						(OP: IZ8JFL/1)
*IV3XZG	"	81,136	187	92	45	39
*IK7WPD	"	80,136	215	99	46	23
*IW3GXW	"	73,472	196	41	34	53
*IW1QLH	"	72,000	205	85	41	34
*IK2AUK	"	70,785	207	89	41	35
*IZ2EEV	"	69,108	215	95	36	25
*IK1WEG	"	57,988	196	90	43	0
*IZ1GLX	"	57,218	167	57	38	39
*IO4UI	"	52,026	173	78	34	26
*IN3JJI	"	50,960	234	74	27	3
*IV3RVN	"	50,858	227	90	28	0
*I1ABT	"	49,640	168	78	42	16
*IZ0KBA	"	46,206	129	71	45	37
*IZ2MHT	"	44,835	126	57	39	51
*IK2NCF	"	44,403	155	58	32	33
*I2ORX	"	38,376	129	56	35	32
*IK7NXU	"	37,030	124	50	31	34
*IZ7EUB	"	36,250	101	55	43	27
*I4HRH	"	35,631	115	41	31	39
*IK2IKW	"	35,298	145	65	36	5
*IZ3LEY	"	34,960	136	70	31	14
*I8IEQ	"	32,330	119	73	37	12
*IZ2PCJ	"	29,887	98	56	34	31
*I4DZ	"	29,440	140	74	31	10
*IZ0RVC	"	28,531	132	64	30	9
*IZ3NVR	"	28,413	123	55	25	19
*IZ5BSA	"	28,361	184	60	19	0
*IK1DFH	"	27,966	109	72	33	13
*IZ4OUR	"	27,485	114	74	28	13
*IK1MTX	"	27,141	107	60	33	16
*IZ1DXS	"	25,380	97	48	31	29
*IW6PWC	"	22,374	83	67	30	16
*IK1TWC	"	20,655	93	40	32	13
*IW2FUT	"	19,680	94	22	17	41
*IV3BXV	"	17,487	103	52	25	10
*IK3CST	"	15,308	80	42	24	20
*IV3DYS	"	11,856	99	55	19	2
*IZ3KSP	"	11,656	92	40	18	4
*IW4EQI	"	10,404	59	23	19	26
*IZ4RWU	"	10,286	75	49	18	7
*IZ2GLU	"	10,010	79	45	19	1
*IW2JRV	"	8,645	67	32	19	14
*IZ1TRG	"	7,992	59	37	21	16
*IZ6PTL	"	7,250	67	35	15	0
*IZ0PMV	"	5,661	59	36	14	1
*IZ3TFL	"	5,512	37	15	16	21
*IK2QIN	"	5,253	55	30	14	7
*I2WIJ	"	4,186	36	14	11	21
*IW1RIU	"	3,588	32	21	19	6
*IZ2QGF	"	3,120	38	21	12	7
*IW3IOD	"	2,457	27	22	16	1
*IW0FEK	"	1,508	25	20	9	0
*IK2AOO	"	1,421	20	13	9	7
*IZ8GBT	"	1,334	16	9	12	8
*IZ2CSX	"	1,316	20	16	11	1
*IK7PTX	"	1,196	20	17	9	0
*IZ3GNG	"	143	5	5	4	2
***IK0PEA**	**28**	**47,730**	**161**	**50**	**26**	**35**
*I0UZF	"	29,230	130	32	19	28
*IK5PVX	"	20,838	104	24	18	27
*IW0RFB	"	5,754	49	16	14	12
*IZ0GYP	"	4,633	40	14	10	17
*I0LTX	"	2,528	33	14	14	4
*IK8GYQ	"	1,280	28	11	9	0
***I4UUL**	**21**	**20,250**	**103**	**35**	**15**	**25**
*IV3NVN	"	80	5	4	4	0
***IC8TEM**	**14**	**335,100**	**1013**	**82**	**26**	**42**
*IK5AMB	"	318,087	994	85	30	38
*IZ2JPN	"	85,684	305	72	26	26
*I3PXN	"	57,150	339	56	18	16
*IN3OWY/I2	"	48,024	278	54	18	15
*IN3XWE	"	39,824	251	53	14	9
*IW2HUS	"	37,825	201	55	18	12
*I2BPP	"	12,540	99	38	12	10
*IZ2JNN	"	8,862	117	33	9	0
*IZ2QKG	"	6,090	89	27	7	1
*IK4XQT	"	144	9	5	3	0
***IW4EGX**	**7**	**64,092**	**309**	**56**	**15**	**27**
*IK2SBB	"	19,074	149	44	11	11

Kaliningrad

***RA2FF**	**A**	**214,591**	**439**	**106**	**48**	**67**
*UA2CZ	"	56,430	185	68	40	27
*UA2FX	"	11,520	72	18	16	30
***UA2FFW**	**28**	**61,800**	**220**	**43**	**25**	**35**
***RA2FB**	**21**	**36,036**	**171**	**47**	**15**	**22**
***UA2FL**	**3.5**	**41,361**	**407**	**40**	**10**	**1**

Latvia

YL2CZ	**A**	**401,450**	**499**	**211**	**73**	**66**
YL5T	"	282,808	481	110	53	69
						(OP: YL3DQ)
YL2IP	"	114,381	296	117	49	13
YL9T	**3.5**	**2,328**	**47**	**19**	**5**	**0**
						(OP: YL2TW)
***YL2QV**	**A**	**179,361**	**321**	**124**	**54**	**41**
*YL3AID	"	97,272	279	90	37	41
***YL3CU**	**7**	**141,105**	**592**	**69**	**18**	**28**

Lithuania

LY5E	**A**	**6,319,620**	**3575**	**382**	**132**	**191**
						(OP: LY2IJ)
***LY2BVB**	**A**	**195,487**	**354**	**134**	**55**	**44**
*LY2FN	"	57,754	197	82	39	13
*LY4K	"	26,000	119	69	24	7
*LY2TS	"	9,625	77	34	15	6
*LY2WN	"	3,150	49	26	7	2

Luxembourg

LX4A	**21**	**231,553**	**677**	**60**	**23**	**50**
***LX1DUC**	**A**	**40,051**	**156**	**69**	**35**	**17**

Macedonia

Z32XU	**28**	**4,641**	**50**	**17**	**13**	**9**
Z35T	**21**	**592,200**	**1298**	**97**	**34**	**57**
Z36W	**7**	**249,948**	**850**	**68**	**22**	**41**
***Z33A**	**A**	**270,396**	**665**	**143**	**47**	**13**
***Z36N**	**28**	**87,630**	**276**	**57**	**25**	**33**

Malta

***9H3IP**	**21**	**171,457**	**676**	**67**	**24**	**30**
						(OP: HA3JB)

Moldova

ER4A	**A**	**5,026,543**	**3358**	**347**	**121**	**179**
						(OP: UT5UDX)
***ER3AU**	**A**	**708,482**	**893**	**223**	**75**	**60**
*ER0FEO	"	519,370	695	219	73	42
						(OP: UR5FEO)
*ER3ZZ	"	176,250	322	139	60	36
*ER5DX	"	143,010	269	162	65	0
*ER6A	"	122,342	353	96	45	25
						(OP: ER1LW)
***ER1OO**	**28**	**2,975**	**31**	**17**	**13**	**5**

Netherlands

PA7LV	**A**	**2,250,925**	**1819**	**246**	**89**	**168**
PA3GCV	"	496,908	625	148	69	104
PA1TX	"	350,244	543	149	60	67
PA0WRS	"	337,932	460	153	63	82
PA0BWL	"	197,132	353	88	52	81
PA0LOU	"	178,340	310	126	67	48
PA5TT	"	130,187	257	112	54	45
PC2C	"	31,376	144	78	28	0
PA3GVI	"	24,346	122	56	20	18
PA2ALF	"	20,254	105	48	28	6
PA3BWK	"	13,192	99	49	15	4
PA1CW	"	11,160	103	43	15	2
PC3H	"	10,200	93	40	18	2
PI4DX	**28**	**384,945**	**928**	**78**	**32**	**55**
						(OP: PD1DX)
PA3EVY	**21**	**290,699**	**777**	**67**	**29**	**53**
***PA3DBS**	**A**	**687,582**	**893**	**213**	**77**	**67**
*PA0O	"	416,650	491	145	75	105
*PG7V	"	415,296	618	162	57	69
*PA3T	"	391,601	574	168	69	64
*PA0ABM	"	300,288	481	165	62	49
*PA3ANN	"	284,510	615	161	51	18
*PE2K	"	201,150	396	124	53	48
*PA3ACA	"	179,310	362	118	48	49
*PA1RBZ	"	155,664	398	110	44	30
*PA3CMF	"	121,110	354	113	38	14
*PD3EM	"	120,400	302	102	39	34
*PA/DL1EAL	"	79,040	202	75	38	47
						(OP: DL1EAL)
*PA3ARM	"	77,285	252	89	36	20
*PA8KW	"	57,000	156	79	40	33
*PA2CVD	"	50,600	210	74	25	16
*PA4B	"	48,070	151	47	30	38
*PD2JAM	"	46,920	205	80	29	11
*PD1EJA	"	38,988	163	64	27	17
*PA3GDD	"	30,870	147	60	31	14
*PD5W	"	29,760	143	48	25	23
*PA0FLE	"	27,857	152	62	26	1
*PA5W	"	25,466	124	77	28	2
*PA1VC	"	20,586	103	58	25	11
*PA3GEO	"	17,466	101	56	23	3
*PA5KT	"	13,104	81	36	18	18
*PC5D	"	11,934	73	46	22	10
*PA0VST	"	9,453	55	24	24	21
*PE1MMZ	"	8,778	58	32	18	16
*PF7DKW	"	1,914	33	22	11	0
*PI4TIL	"	36	8	7	5	0
						(OP: PF7DKW)
*PC5F	"	24	2	2	2	0
***PA0MIR**	**28**	**56,784**	**201**	**49**	**23**	**32**
***PD0WR**	**14**	**25,690**	**184**	**52**	**16**	**2**
*PD1KSA	"	24,656	171	50	16	1
*PA4EA	"	2,581	42	20	8	1

Northern Ireland

***MI0SAI**	**A**	**671,488**	**907**	**178**	**64**	**102**
*GI4DOH	"	18,905	100	64	25	6

Norway

LM9L40Y	**A**	**3,593,400**	**2627**	**313**	**114**	**173**
						(OP: LB8IB)
LA8PDA	"	579,908	826	152	65	81
LA4WKA	"	278,390	412	162	68	57
LA5HPA	"	227,408	432	140	61	32
LA3XTA	"	172,634	348	78	42	89
LA1BFA	"	19,695	87	66	29	6
LA3ANA	"	6,764	90	27	9	2
LA3WAA	**28**	**9,264**	**83**	**24**	**17**	**7**
LA2IJ	**7**	**54,740**	**326**	**56**	**16**	**13**
***LA7HJA**	**A**	**1,183,472**	**1066**	**235**	**93**	**130**
*LA5LJA	"	434,706	588	180	74	64
*LA8AW	"	146,556	299	108	48	51
*LA5TFA	"	91,915	317	109	35	11
*LA7SI	"	69,472	197	121	45	1
*LA3LJA	"	53,040	250	72	21	9
*LA1QDA	"	38,913	154	75	30	14
*LA8OKA	"	35,970	149	72	26	11
*LA9AU	"	25,415	161	57	19	9

Poland

SN7Q	**A**	**4,520,880**	**2850**	**318**	**119**	**207**
SP9LJD	"	1,915,902	1620	227	90	172
SP8NR	"	710,430	688	186	80	132
SP8TDV	"	397,992	538	167	67	75
SP3RBG	"	395,007	462	188	85	80

SN7F	"	382,228	567	177	63	52
						(OP: SP7LFT)
SQ7B	"	247,480	532	157	52	21
SP5NHK	"	219,520	430	151	54	40
SO4R	"	17,082	116	52	22	4
						(OP: SP4JCP)
SP4Z	**28**	**183,122**	**428**	**79**	**33**	**46**
SN3C	**21**	**466,752**	**963**	**94**	**35**	**58**
						(OP: SP3ASN)
SO4M	**14**	**642,497**	**1409**	**106**	**35**	**52**
						(OP: SP4MPG)
***SQ9UM**	**A**	**2,354,208**	**1972**	**304**	**108**	**136**
*SP9NWN	"	696,696	836	212	79	86
*SP8CGU	"	512,314	664	172	66	81
*SO9G	"	495,950	706	194	68	63
						(OP: SP9DTE)
*SP3MGM	"	287,005	444	177	69	59
*SP7QJB	"	262,482	518	156	56	34
*SP7AWG	"	235,368	393	137	62	53
*SP3HC	"	210,056	449	146	52	19
*SP9CXN	"	203,762	403	135	49	37
*SN9A	"	180,873	323	119	57	55
						(OP: SP9FQI)
*SP3GAX	"	166,540	356	149	59	12
*SP2MKZ	"	162,806	347	121	50	32
*SP7LIE	"	158,368	301	113	58	53
*SP9AUV	"	143,640	310	117	57	36
*SP6MLX	"	126,266	256	109	50	44
*SP3IC	"	123,079	292	79	40	48
*SP4BPH	"	113,386	296	117	42	19
*SO7B	"	108,488	242	91	46	54
*SP3DOF	"	102,144	304	110	38	20
*SP2UUU	"	93,225	277	111	40	14
*SP6NVK	"	79,086	214	75	38	34
*SN9I	"	77,010	201	94	38	38
						(OP: SP9EMI)
*SP7EBM	"	76,472	220	90	40	28
*SQ9FCH	"	70,500	207	90	38	22
*SP3DSC	"	64,000	226	69	39	20
*SP6BSL	"	63,595	149	81	55	25
*SP7SZW	"	63,570	263	89	31	10
*SP7DBI	"	56,211	240	80	28	15
*SO8O	"	47,762	136	79	43	21
*SP5GDY	"	38,830	131	42	36	32
*SP3SLK	"	35,968	126	59	40	29
*SP9GKJ	"	34,974	105	75	43	16
*SN1T	"	23,936	109	44	25	19
						(OP: SQ1RET)
*SQ7OTA	"	23,920	106	55	30	19
*SP3IOE	"	18,360	76	28	20	37
*SQ3LLR	"	14,400	72	32	25	18
*SP5MNT	"	13,464	81	23	21	24
*SO1D	"	12,738	79	34	20	12
						(OP: SP1JPQ)
*SO9R	"	9,782	58	40	25	8
*SP3UQG	"	7,936	45	32	24	6
*SP9AJM	"	7,308	47	27	19	17
*SP8AJK	"	6,556	57	26	18	0
*SP7EXJ	"	3,975	35	29	21	3
*SP8LXE	"	1,770	49	20	8	2
*SP5APW	"	294	9	4	4	6
***SN1Z**	**28**	**33,475**	**127**	**56**	**25**	**22**
						(OP: SQ1EIX)
*SP5CJQ	"	13,860	92	43	23	0
***SQ9AOR**	**21**	**23,166**	**128**	**44**	**18**	**16**
*SP9RQH	"	832	22	9	7	0
***SP3BGD**	**14**	**4,092**	**41**	**17**	**12**	**15**
***SP3VSE**	**7**	**210,870**	**791**	**74**	**23**	**38**
*SP6IHE	"	155,703	626	72	22	35
*SP3OL	"	12,397	147	40	9	0
***SP6EIY**	**3.5**	**23,896**	**211**	**43**	**10**	**5**
						(OP: SP6EIY/QRP)
*SQ2HNA	"	11,900	187	31	4	0
*SP9CTS	"	8,474	122	32	6	0

Portugal

CR6K	**A**	**5,835,904**	**3214**	**367**	**118**	**233**
						(OP: CT1ILT)
CT1AOZ	**28**	**22,644**	**108**	**24**	**11**	**39**
***CT1FOQ**	**A**	**14,110**	**73**	**52**	**26**	**5**
*CT1BWU	"	5,537	38	12	13	24
***CT1EEK**	**28**	**131,920**	**432**	**76**	**23**	**37**
*CT1FUH	"	21	4	4	3	0
***CT2IRY**	**21**	**110,262**	**366**	**76**	**24**	**41**

Romania

YO3CZW	**A**	**1,577,107**	**1549**	**230**	**83**	**144**
YO3APJ	"	1,134,060	994	237	87	137
YR1C	"	512,582	688	160	71	98
YO5PBF	"	146,064	334	117	54	33
YO2MFC	"	35,845	145	58	33	16
YO2RR	**21**	**162,560**	**516**	**68**	**25**	**35**
***YO8RFS**	**A**	**185,459**	**366**	**131**	**58**	**38**
*YO5BYV	"	140,800	346	129	50	21
*YO4FKO	"	127,328	319	91	44	38
*YO5TP	"	76,254	222	94	48	0
*YO6DBL	"	57,057	204	92	26	15
*YP6Z	"	40,068	134	31	28	49
*YO4AAC	"	39,668	207	67	24	3
*YO2LDU	"	38,913	202	74	28	7
*YR4D	"	16,380	116	46	19	0
*YO2MJI	"	8,869	102	36	13	0
*YO6FPW	"	5,290	60	36	10	0
***YO2IS**	**28**	**71,126**	**251**	**53**	**25**	**28**
*YO4BTB	"	2,400	28	15	11	6
*YO2MIL	"	1,850	31	14	17	6
***YO3JF**	**21**	**382,382**	**902**	**98**	**34**	**50**
***YO5OHY**	**14**	**67,860**	**360**	**55**	**18**	**17**

San Marino

T77NM	**14**	**608,478**	**1560**	**92**	**32**	**50**

Sardinia

ISØHQJ	**A**	**73,253**	**257**	**81**	**37**	**21**
***ISØLFZ**	**A**	**280,130**	**537**	**159**	**57**	**41**

Scotland

GM1BSG	**A**	**543,582**	**791**	**174**	**61**	**68**
MMØAMW	"	234,522	448	72	41	89
GM3MZX	"	134,248	313	126	48	20
GM1F	"	25,651	88	61	39	13
						(OP: GM4FAM)
GM3C	**14**	**155,825**	**634**	**68**	**20**	**27**
						(OP: GMØNBM)
***GM1J**	**7**	**41,500**	**250**	**48**	**14**	**21**
						(OP: MMØBQI)

Serbia

YU1KT	**A**	**166,164**	**456**	**127**	**43**	**13**
YU1CC	"	704	12	12	10	0
YT1FZ	**21**	**42,406**	**211**	**50**	**24**	**17**
YU1NR	**14**	**303,888**	**972**	**87**	**30**	**39**
YU1JW	"	7,268	78	27	11	8
YT8A	**7**	**420,050**	**1284**	**80**	**28**	**47**
***YT3H**	**A**	**65,610**	**212**	**62**	**33**	**40**
*YT2PFR	"	34,545	170	70	25	10
***YT2FA**	**14**	**20,944**	**195**	**41**	**11**	**4**

Sicily

***IW9BCW**	**A**	**177,656**	**399**	**146**	**48**	**18**
*IT9JDH	"	158,976	346	139	49	28
*IT9ESW	"	132,894	314	125	45	37
*IW9FI	"	71,295	239	93	36	18
*IT9JOF	"	17,056	75	35	27	20
*IT9SMU	"	1,961	19	16	15	6
*IT9ACJ	"	1,534	29	19	7	0
***IT9AJP**	**28**	**30,624**	**138**	**45**	**21**	**21**
*IT9DFI	"	6,157	51	23	16	8

Slovak Republic

OM6W	**A**	**871,568**	**1067**	**215**	**77**	**84**
OM7KW	"	352,656	609	115	46	76
OM3TPN	"	327,360	721	161	56	23
OM3IAG	"	204,575	378	123	56	66
OM3PA	"	167,625	325	134	49	42
OM7PY	**28**	**29,684**	**127**	**35**	**21**	**26**
***OM7OM**	**A**	**293,832**	**549**	**154**	**55**	**43**
*OM3R	"	292,297	589	156	52	31
						(OP: OM3CFR)
*OM6RK	"	264,620	684	138	37	27
*OM7AG	"	244,420	499	153	51	38
*OM5NL	"	242,627	363	125	56	72
*OM3TLE	"	123,778	300	123	50	26
*OM5MX	"	47,124	167	70	36	26
*OM2DT	"	27,008	105	72	39	17
*OM4TW	"	18,706	81	51	29	14
*OM7AX	"	18,696	81	27	20	35
*OM7ANO	"	6,630	76	36	12	3
***OM3PR**	**28**	**5,712**	**49**	**29**	**19**	**0**
***OM4O**	**14**	**113,403**	**532**	**65**	**19**	**19**
						(OP: OM3NI)
***OM1ASD**	**3.5**	**2,324**	**49**	**24**	**4**	**0**

Slovenia

S55O	**A**	**2,614,640**	**2095**	**305**	**103**	**152**
S53M	"	533,148	691	133	54	121
						(OP: S51FB)
S55OO	"	83,040	227	99	41	33
S51DX	"	51,562	196	88	37	2
S51DI	"	46,956	179	21	17	53
S52WW	"	13,692	71	52	25	7
S5ØR	**21**	**694,785**	**1464**	**102**	**36**	**57**
S51CK	**7**	**237,084**	**842**	**76**	**22**	**40**
***S57U**	**A**	**1,220,857**	**1113**	**235**	**81**	**135**
*S57YX	"	467,754	673	153	65	83
*S57OWA	"	240,350	477	171	59	0
*S57AM	"	156,864	315	133	47	48
*S5ØB	"	13,590	64	52	28	10
*S53F	"	9,522	61	43	22	4
***S56A**	**28**	**180,222**	**460**	**74**	**29**	**44**
***S57YK**	**14**	**13,750**	**146**	**39**	**11**	**0**
*S56WKC	"	2,025	38	18	7	0

Spain

EA1AKS	**A**	**2,596,556**	**1964**	**274**	**102**	**187**
EA5HAB	"	753,704	1160	202	66	45
EA1EVR	"	658,525	816	205	76	90
EE7H	"	266,814	652	74	29	80
EA3CS	"	58,400	173	84	30	32
EA1EPM	"	36,290	186	70	17	8
EB1DMQ	"	5,252	81	40	12	0
ED5J	**28**	**14,924**	**138**	**24**	**14**	**14**
						(OP: EA5DM)
EA3AGZ	"	14,190	84	32	19	15
EB2AM	**21**	**612,376**	**1456**	**76**	**30**	**58**
EA1AP	**14**	**118,984**	**575**	**54**	**19**	**34**
EA3NT	"	96,444	310	77	28	36
EA5KV	"	3,564	52	20	7	9
EE3E	**7**	**25,564**	**150**	**43**	**16**	**18**
						(OP: EA3ELZ)
***EA1WW**	**A**	**658,619**	**786**	**201**	**68**	**108**
*EE7A	"	349,370	509	181	61	68
*EA2BNU	"	316,652	467	152	58	91
*EA7IQM	"	214,115	536	109	42	78
*EA1VT	"	209,286	390	132	49	50
*EB5CS	"	133,352	257	97	45	69
*EA3FHP	"	127,584	434	89	38	17
*EA1AY	"	126,126	359	125	40	17
*EA1GT	"	111,826	288	112	43	32
						(OP: EA1GT/QRP)
*EF5T	"	94,402	304	95	33	26
						(OP: EA5HRT)
*EA5/DK7TM	"	89,700	297	96	37	23
*EA5FHC	"	85,324	265	125	41	0
*EA3AYQ	"	61,770	216	78	37	27
*EA3DEN	"	50,820	165	76	34	30
*EA7VJ	"	39,100	142	64	29	22
*EA3ANE	"	35,788	193	71	21	0
*EA3DWU	"	31,621	118	35	21	47
*EA7TG	"	19,303	93	33	26	38
*EA7AZA	"	11,109	74	46	23	0
*EA3HBO	"	4,700	41	20	15	15
*EA4BNQ	"	4,536	50	35	19	2
*EA2AVM	"	4,464	47	33	15	0
*EA2KK	"	2,310	30	21	14	0
*EA3KN	"	1,800	21	18	10	2
*EB1GZO	"	1,296	19	9	9	6
***EA7ISH**	**28**	**324,650**	**863**	**74**	**26**	**51**
*EA4AFP	"	64,380	233	64	24	28
*EA5GSW	"	33,750	157	46	23	21
*EA7CWA	"	32,490	147	51	21	18
*EA3GI	"	17,280	102	23	18	23
***ED1A**	**21**	**306,342**	**821**	**81**	**29**	**52**
						(OP: EA1AST)
*EA7HEG	"	153,636	611	62	21	41
*EE7X	"	140,490	526	63	20	43
						(OP: EA7JX)
***EA5ET**	**14**	**217,620**	**770**	**76**	**26**	**33**
*ED5K	"	113,124	419	72	23	37
						(OP: EA5FHK)
*EA5XC	"	94,843	394	63	22	34
*EB3GIH	"	36,818	220	52	14	16

Sweden

SM6BGG	**A**	**1,247,041**	**1416**	**233**	**79**	**97**
SM6NOC	"	1,016,730	1008	188	85	117
SMØBSO	"	539,028	725	182	74	66
SAØBDK	"	233,282	362	142	61	63
SM5BMB	"	101,772	205	114	58	26
SM6AHU	"	83,905	224	110	46	17
SM5EPO	"	78,824	198	85	45	37
SM5ACQ	"	53,064	185	83	34	15
SA1A	"	13,916	84	42	24	5
						(OP: SM1TDE)
SM5QU	**7**	**51,796**	**258**	**58**	**16**	**18**
***SM5CIL**	**A**	**905,806**	**885**	**233**	**84**	**101**
						(OP: SM7CIL)
*SM5FQQ	"	669,530	844	215	75	65
*SM4DQE	"	384,480	658	182	69	19
*SF3A	"	362,304	556	165	64	59
						(OP: SM3CER)
*SM2BJS	"	217,512	546	157	48	11
*SM5IMO	"	144,612	300	98	54	54
*SK6HD	"	112,530	230	74	46	66
						(OP: SM6FKF)
*SE6C	"	98,820	265	98	43	21
						(OP: SM6CDN)
*SM5IZS	"	35,211	124	69	36	16
*SM5MX	"	25,938	137	73	24	2
*SA6AIN	"	19,044	119	56	28	8
*SM7ATL	"	11,880	79	41	26	5
*SM3AF	"	11,122	112	39	20	8
*SA7AOI	"	1,568	20	9	10	9
*SM7YRN	"	986	26	17	12	0
***SE5S**	**28**	**15,360**	**98**	**29**	**17**	**14**
*SM3DXC	"	10,780	84	25	15	9
***SM2JUR**	**21**	**6,165**	**65**	**32**	**12**	**1**

Switzerland

HB9TOC	**A**	**1,390,815**	**1255**	**258**	**85**	**122**
HB9CAL	"	465,120	635	180	73	87
HB9BTI	"	375,435	551	157	66	86
HB9LF	"	19,184	102	49	25	14
						(OP: HB9EAZ)
***HB9AWS**	**A**	**437,763**	**588**	**187**	**67**	**83**
*HB9SVT	"	269,878	497	161	59	39
*HB9HQX	"	149,818	419	128	36	9
*HB9VID	"	39,910	146	75	37	18
*HB9CSM	"	15,222	126	58	28	0
*HB9ELD	"	12,089	75	57	19	1
*HB9EBM	"	8,820	55	25	15	23

Ukraine

UW1M	**A**	**2,970,973**	**2253**	**307**	**111**	**159**
						(OP: UR5MW)
UW5U	"	2,408,008	1854	314	111	144
						(OP: UY2UA)
UY7MM	"	1,449,624	1544	281	94	81
UV5U	"	820,896	856	228	84	96
						(OP: UX1UA)
UT2IW	"	285,678	471	175	64	30
UR4EI	"	176,880	346	131	45	44
UU4JC	"	171,360	323	114	54	56
UX3IW	"	163,398	274	118	67	56
UX8ZA	"	120,250	308	129	48	8
UT5ECZ	"	78,312	245	103	31	22
UTØRM	"	42,161	115	52	40	41
UR5ZMK	"	41,882	222	52	19	15
UW1I	"	13,725	88	43	16	16
						(OP: UW5IM)
UT1XX	**28**	**102,875**	**324**	**63**	**28**	**34**
UR5FBM	"	57,133	234	68	29	0
UX2X	"	49,900	186	49	24	27
						(OP: UT2XQ)
UY5QZ	"	16,510	111	35	19	11
UU2JG	"	5,049	43	26	20	5
UT4XD	**21**	**95,832**	**379**	**75**	**25**	**21**
UT5UGR	"	94,068	342	51	20	37
US7IS	"	73,008	305	62	23	23
***URØHQ**	**A**	**1,627,140**	**1552**	**266**	**99**	**105**
*UR4U	"	1,228,876	1149	260	95	129
						(OP: UR4UDI)
*US6CQ	"	942,837	1062	241	80	78
*UT5EPP	"	935,116	1227	232	78	57
*UY1HY	"	774,390	852	246	89	80
*UU1K	"	726,657	808	227	85	81
						(OP: UUØJM)
*UVØI	"	694,089	962	234	77	58
						(OP: UR5IFX)
*US5E	"	637,290	798	218	73	74
						(OP: UR7EQ)
*UU9JQ	"	576,079	786	190	67	72
*UT7I	"	552,012	841	213	71	30
*UT3N	"	490,050	882	187	68	15
						(OP: UT3NK)
*UR5ETN	"	459,171	662	197	72	44
*UR5WCQ	"	423,430	575	162	64	96
*UY5TE	"	346,332	596	174	56	36
*UT1IM	"	266,814	513	159	54	30
*UR7MZ	"	241,854	489	146	55	32
*UY1U	"	240,912	414	142	53	57
						(OP: UT5UN)
*UX2MF	"	237,380	395	183	63	40
*US8UA	"	229,862	371	163	63	37
*UX6IB	"	204,960	396	131	51	42
*UT3RS	"	204,512	418	135	59	30
*UR5IHQ	"	201,687	432	148	57	32
*UX7FC	"	181,335	380	147	49	35
*UW2F	"	180,386	415	139	44	19
						(OP: UTØFT)
*UY3MW	"	170,856	421	140	44	5
*UR7CT	"	158,498	320	107	51	36
*UX7FD	"	157,358	381	129	46	27
*UR4MHI	"	128,502	302	129	50	19
*UW1WU	"	124,932	324	107	41	26
*UT5JCE	"	122,562	295	122	49	27
*UV5QR	"	116,424	300	116	45	28
*UR7EC	"	116,046	254	102	50	37
*UR3UT	"	113,928	278	116	48	24
*UR3AC	"	104,490	314	114	39	9
*UT2AA	"	98,091	261	109	43	21
*UX7QV	"	96,320	303	91	43	26
*US1VS	"	95,518	289	108	43	12
*UTØUO	"	75,509	263	120	41	0
*UT1UW	"	72,822	177	75	49	35
*US5UCC	"	60,260	274	92	39	0
*US5ZFT	"	48,361	200	85	34	18
*UY5AA	"	47,905	137	68	43	32
*UR6QS	"	46,096	166	82	31	21
*UR5EIT	"	43,896	174	69	32	17
*US1UX	"	41,750	127	66	40	19
*UR7QM	"	39,794	208	69	25	7
*UX6IR	"	39,390	121	68	38	24
*US5CAO	"	37,926	120	86	43	0
*UX4FC	"	25,410	160	45	17	15
*UR8EQ	"	22,264	118	59	27	2
*UY5ME	"	20,480	122	61	19	0
*UR5LAK	"	17,400	92	54	27	6
*UR4FA	"	16,600	143	70	28	2
*UU9JCB	"	15,652	127	61	24	1
*UT7MR	"	9,660	78	53	15	1
*UU3JU	"	6,077	59	32	16	11
*UYØCA	"	2,829	24	18	16	7
***UT2IV**	**28**	**48,918**	**239**	**53**	**26**	**14**
*UR2VA	"	43,068	157	50	28	19
*UT7E	"	27,208	155	41	24	11
						(OP: UV5EOZ)
*UT8EU	"	24,560	119	42	23	15
*US5MPO	"	18,972	103	35	19	14
*US7IA	"	11,343	86	32	18	7
*UT5ERP	"	10,010	80	27	16	12
***UZ7HO**	**21**	**377,739**	**933**	**91**	**32**	**48**
***UR8QR**	**14**	**72,265**	**341**	**67**	**21**	**9**
*UZØU	"	59,892	342	49	20	23
						(OP: UY5ZZ)
*UT7Y	"	30,310	248	51	14	5
						(OP: USØYW)
*UY5QQ	"	26,082	170	51	14	4
*UR5EQU	"	19,096	156	42	14	0
*UR3LTD	"	2,314	40	19	7	0
***UY2UQ**	**7**	**74,368**	**456**	**66**	**17**	**0**
*UTØNN	"	1,827	32	18	7	4
***UT4EK**	**3.5**	**35,970**	**302**	**50**	**11**	**5**
*UT2HM	"	5,845	102	29	6	0

Wales

***MWØCRI**	**21**	**135,847**	**449**	**65**	**22**	**44**

OCEANIA

Australia

VK3TDX	**A**	**1,823,904**	**1470**	**217**	**93**	**122**
VK7AD	"	184,704	307	100	53	55
VK4IU	"	176,464	376	89	44	31
***VK5NPR/3**	**A**	**268,956**	**366**	**129**	**77**	**73**
						(OP: VK5NPR/3)
*VK3FM	"	213,525	343	103	59	57
*VK4BL	"	56,704	159	78	40	10
***VK4EJ**	**28**	**107,690**	**351**	**50**	**24**	**36**
***VK4FJ**	**21**	**107,642**	**355**	**57**	**23**	**27**

East Malaysia

***9M6YBG**	**21**	**18,734**	**184**	**12**	**11**	**11**

French Polynesia

FO5QB	**A**	**68,766**	**158**	**71**	**50**	**36**

Hawaii

KH7B	**A**	**2,627**	**27**	**14**	**13**	**10**
KH6ZM	**28**	**662,155**	**1380**	**80**	**30**	**57**
KH6MB	**21**	**315,570**	**697**	**74**	**29**	**54**
***KH6GMP**	**A**	**74,750**	**212**	**33**	**32**	**60**
*KH6OO	"	25,542	105	33	33	20

Indonesia

YB1AR	**28**	**252,600**	**812**	**76**	**30**	**14**
YB4IR	"	53,947	259	53	19	1
***YB1ALL**	**A**	**1,029,786**	**1059**	**221**	**87**	**46**
*YBØCOU	"	100,860	227	106	52	6
*YB8EL	"	29,718	157	31	26	21
***YBØAKM**	**28**	**24,747**	**136**	**42**	**22**	**9**
*YB8EXL	"	19,880	98	47	21	3
***YC2LEV**	**21**	**29,600**	**154**	**52**	**22**	**0**

New Zealand

ZM2A	**A**	**82,536**	**198**	**69**	**39**	**44**
ZL4NR	"	150	5	3	4	3
ZL3TE	**28**	**101,146**	**353**	**34**	**23**	**46**
						(OP: W3SE)
***ZL4NX**	**A**	**163,114**	**296**	**96**	**49**	**46**
						(OP: JM1CAX)
*ZL4RUGBY	"	66,625	218	45	31	49
						(OP: ZL4PW)
*ZL3NB	"	43,860	129	58	38	33
***ZL3AB**	**28**	**1,711**	**25**	**11**	**10**	**8**
***ZL3DW**	**14**	**180**	**8**	**6**	**4**	**2**

Northern Mariana Islands

***W6HGF/KHØ**	**A**	**781,275**	**992**	**158**	**63**	**54**
						(OP: W6HGF)

Palau

***T88TW**	**A**	**3,168**	**50**	**13**	**15**	**4**

Philippines

DU1IVT	**A**	**64,703**	**261**	**36**	**35**	**18**
***DV1JM**	**A**	**958,110**	**1034**	**187**	**92**	**48**
*DU3/NØQM	"	108,704	449	42	37	7
***DV1/JO7KMB**	**28**	**59,754**	**302**	**46**	**17**	**6**

SOUTH AMERICA

Argentina

LU1BJW	**A**	**184,093**	**312**	**92**	**56**	**73**
LW9ETQ	"	139,095	318	73	46	46
LU7FTS	"	75,774	194	62	40	44
LU7HN	**28**	**843,817**	**1760**	**84**	**29**	**56**
L4ØE	"	125,763	404	45	18	48
						(OP: LU4DX)
LU5OM	**21**	**27,808**	**117**	**37**	**16**	**35**
***LU7MCJ**	**A**	**73,766**	**176**	**76**	**42**	**36**
*LU1XT	"	24,168	112	61	32	13
*LW5ER	"	7,865	68	22	15	18
***AY8A**	**28**	**209,170**	**567**	**59**	**22**	**49**
						(OP: LU8ADX)
*LQ5H	"	52,245	271	21	16	44
						(OP: LU3HS)
*LW5EE	"	11,972	98	30	11	0
***LU6FHO**	**21**	**19,339**	**130**	**46**	**18**	**19**
***LU5MT**	**14**	**22,176**	**117**	**42**	**19**	**23**
*LU6FT	"	2,340	36	14	12	10

Bolivia

***CP1FF**	**A**	**75,654**	**208**	**77**	**39**	**46**

Brazil

PY2NZ	**A**	**194,805**	**381**	**73**	**38**	**84**
PV8ABC	"	190,564	295	132	57	55
PY1KN	"	35,156	139	45	23	26
PV8RR	"	20,592	99	49	19	10
PY2KP	"	18,915	77	54	29	14
PV8DX	"	330	9	8	7	0
PY2WC	**3.5**	**77**	**6**	**4**	**4**	**3**
***PY2NY**	**A**	**1,137,240**	**1130**	**134**	**70**	**147**
*PY3APY	"	54,234	149	71	37	23
*PV8AZ	"	50,694	174	45	26	48
*PU2WDX	"	9,315	77	30	15	0
*PU1MMZ	"	6,283	55	28	20	13
***PY2EB**	**28**	**422,688**	**993**	**71**	**23**	**54**
*PU5AAD	"	109,763	369	54	17	38
*PT9PA	"	43,430	181	50	22	14
*PY2OC	"	5,640	44	15	14	18
***PR7AR**	**14**	**29,250**	**142**	**25**	**15**	**38**

Chile

CE3FZ	**A**	**11,712**	**71**	**26**	**18**	**20**
***CE2WZ**	**A**	**311,704**	**603**	**83**	**42**	**63**
*CE1D	"	38,704	131	53	35	30

Colombia

***HK6P**	**A**	**313,812**	**474**	**114**	**55**	**107**
*HK1T	"	134,808	294	91	31	42
*HK6RF	"	14,355	75	41	32	14

*HK1R	"	11,356	69	14	17	37
*5K3R	28	392,496	941	67	26	55
						(OP: HK3R)
*HK3Q	"	29,920	140	41	18	26

Ecuador

*HC1JQ	14	203,832	483	73	26	50

Paraguay

*ZP9EH	A	84,238	202	70	41	43
*ZP5AA	28	274,770	775	70	25	47
						(OP: ZP5DBC)

Suriname

PZ5RA	A	3,943,507	2469	258	92	201

Uruguay

*CX9AU	A	119,922	268	66	40	52
*CX3CCC	21	115,080	387	48	25	47

Venezuela

4M5L	28	277,836	704	64	22	51
						(OP: YV5LI)
YW5T	21	744,315	1571	80	29	56
						(OP: YV5JBI)
YW4D	7	471,314	1038	77	26	55
						(OP: YV1DIG)
*YV5AAX	21	197,775	505	68	20	47
*YV4BCD	"	47,040	202	39	18	39
*4M1F	7	34,800	165	44	13	23

ASSISTED

NORTH AMERICA

United States

KI1G	A	6,416,744	3382	403	133	240
KA2KON/1	"	1,731,026	1413	289	90	127
W1MAT	"	1,047,960	1019	219	74	117
N1SNB	"	759,445	1056	167	53	115
N4BAA/1	"	281,196	474	142	50	27
AE1T	"	68,558	180	90	38	38
K3IU/1	"	43,442	158	65	28	14
*KS1J	A	1,224,546	1134	246	71	92
*NF1O	"	422,253	546	187	67	97
*N1QD	"	261,227	444	130	58	51
*WA1N	"	239,856	446	132	42	89
*KV1J	"	198,596	345	130	53	79
*AD1L	"	189,475	284	167	63	35
*NE1F	"	188,838	311	136	61	72
*W1EL	"	125,866	239	134	49	23
*KB1IKD	"	83,694	216	90	37	47
*AA1AR	"	75,648	162	100	56	41
*N1MGO	"	70,228	222	73	38	70
*W1FA	28	7,956	64	31	10	10
W2YC	A	1,508,816	1216	276	96	149
NO2T	"	912,275	1042	209	70	122
AB2ZY	"	840,476	1023	187	65	112
N1IBM/2	"	529,980	615	196	77	90
K2MK	"	356,764	478	174	63	79
K2CYE	"	349,250	585	141	51	62
W2LK	"	151,440	242	142	69	29
WW2DX	"	102,410	215	115	44	31
K2NV	"	57,834	251	54	18	9
N2NGW	"	24,856	102	62	27	15
*KA2D	A	1,232,415	1116	244	77	84
*N2FF	"	1,121,523	1029	253	81	113
*N2JDQ	"	382,950	630	158	58	117
*K2BB	"	337,832	437	176	73	100
*K2SI	"	261,944	419	142	48	84
*NA2M	"	203,728	423	109	42	87
*K2ONP	"	131,112	230	151	52	13
*KS2G	"	60,214	149	96	42	23
*K2PAL	"	21,240	91	54	27	9
AA3B	A	4,924,996	3161	330	102	190
W3FV	"	3,133,682	2250	292	101	164
K3WW	"	1,008,729	1136	202	73	72
NE3H	"	973,140	1087	214	78	128
K3MD	"	928,512	1058	215	80	108
W3MF	"	802,200	772	241	82	97
K2PLF/3	"	620,544	648	230	79	95
N3QW	"	586,530	745	176	58	81
N3YEA	"	540,466	666	179	74	109
WC3O	"	272,529	457	154	50	79
NB3R	"	192,386	409	115	39	60
N1SZ/3	"	59,817	188	69	31	57
*W4EE/3	A	289,248	453	141	55	80
*W3KB	"	237,538	358	158	58	50
*N3CHX	"	229,472	404	135	55	94
*AB3GY	"	79,992	207	97	44	57
*N1MD/3	"	33,147	120	61	29	37
*W3/NH7C	28	9,028	75	35	15	11
						(OP: NH7C)
K4GMH	A	2,311,510	1976	247	81	157
W4UH	"	2,220,955	2035	292	97	216
W4DXX	"	2,210,816	1808	275	94	143
N4WW	"	1,976,953	1479	298	103	182
W4TTY	"	1,261,755	1114	273	88	134
K5EK/4	"	969,696	1123	190	61	85
K1KO/4	"	569,024	864	150	58	64
WB4MSG	"	546,742	746	172	63	108
N4LV	"	345,261	518	153	58	76
W4JAM	"	339,724	443	195	68	45
W1AJT/4	"	262,260	410	143	62	105
W4XMT	"	167,310	380	111	51	72
W4BCG	"	131,775	301	105	56	90
WA4ZXV	"	60,716	178	74	47	51
N4DWK	"	43,146	118	79	45	17
W4CWA	"	35,343	135	55	31	33
WD4LBR	"	23,400	112	51	16	5
KB4FB	"	5,824	42	33	15	4
W4GHD	"	4,134	49	15	17	21
W3GQ/4	"	304	10	10	7	2
WJ2D/4	21	429,444	1033	89	32	37
K4WW	"	163,072	519	71	20	21
KC4HW	14	107,725	456	63	26	50
*N2QT/4	A	2,640,352	1975	299	97	181
*K4MM	"	738,888	795	219	80	109
*K4FPF	"	393,744	501	174	60	78
*W4UAL	"	357,889	584	142	60	85
						(OP: K4CWW)
*K1HTV/4	"	172,425	332	126	64	85
*AA4DD	"	167,079	293	128	55	66
*KB4CP	"	57,920	157	86	47	27
*WA4PGM	"	55,417	158	79	37	35
*ND4SC	"	25,863	150	39	28	44
						(OP: N3ND)
*N4NM	"	4,940	42	29	20	16
*NF3C/4	28	14,229	112	35	12	4
						(OP: W4VIC)
*N4RA	21	16,974	92	43	19	7
WA5ZUP	A	1,833,927	1946	222	84	203
KN5O	"	1,436,864	1533	204	76	136
W5KI	"	216,284	361	132	62	84
W0VX/5	"	51,198	134	81	48	30
AD5CQ	"	50,250	189	62	37	51
K5HDU	"	30,228	134	51	33	48
KK5OQ	28	62,230	311	55	21	22
*K5WW	A	222,224	413	118	58	128
*K5DD	"	77,312	229	77	34	40
*NK5G	"	28,912	139	49	22	33
*W4JHC/5	"	5,814	43	30	18	9
N6QQ	A	1,301,966	1098	283	108	196
WE6Z	"	758,898	1040	144	77	178
NG6S	"	670,329	802	180	89	138
						(OP: W4UAT)
W6OQI	"	188,250	389	85	62	103
N6VH	"	157,368	352	82	54	113
N6WIN	"	104,139	249	87	45	71
K6HGF	"	85,974	297	63	32	66
N6AN	"	33,840	139	46	36	62
NN6NN	"	23,760	131	40	30	62
						(OP: W6XK)
K6SRZ	"	20,274	107	35	25	49
W6PK	"	4,720	36	25	21	13
K6TA	28	118,692	425	61	25	40
N6ML	"	114,328	421	61	25	38
						(OP: @K6LRG)
N6RO	"	67,512	330	53	24	39
K6MM	"	56,400	259	46	22	32
*WN6K	A	599,040	769	145	86	159
*N2NS/6	"	326,109	528	114	69	110
*W6TK	"	270,270	478	111	65	97
*KI6QDH	"	180,048	398	86	58	120
*K6DEX	"	136,095	393	72	46	93
*K3FIV/6	"	122,434	286	76	59	86
*N6EE	"	40,820	134	64	39	27
*N6MSY	"	28,080	153	39	37	54
*K6LE	"	6,840	50	24	26	26
*K6ST	"	76	9	6	8	5
*W6RKC	14	1,632	33	7	8	17
W7PP	A	998,130	1030	225	88	177
N7NM	"	654,258	866	151	87	193
K7RF	"	533,574	745	155	78	136
K7LV	"	235,456	389	121	67	95
K7EIQ	"	97,020	268	69	43	98
KT7G	"	83,260	224	72	51	58
KY7M	"	71,916	221	76	39	41
WX7P	"	60,140	250	52	35	68
K0IP/7	"	46,018	140	85	39	9
NA2U/7	"	31,824	150	38	29	69
N1KEZ/7	"	4,624	49	22	21	25
K6LL/7	21	461,390	1191	96	34	55
N7AT	"	427,800	1148	97	34	55
						(OP: K8IA)
W7WW	"	250,496	879	70	27	55
*K2PO/7	A	1,057,588	1225	179	87	162
*W7OM	"	459,298	685	148	73	150
*K7VIT	"	211,120	434	92	63	105
*WB3JFS/7	"	148,934	410	78	52	96
*N1JM/7	"	40,317	161	47	38	66
*KX7L	"	32,332	155	38	35	45
*NQ7R	"	10,902	65	30	25	24
*W7RV	"	8,400	54	30	24	26
KU1T/8	A	1,805,436	1623	215	82	141
K8MM	"	738,304	781	218	79	115
K1LT/8	"	617,812	1118	115	45	58
AA8LL	"	299,782	364	197	73	52
K8ALM	"	4,747	38	32	14	1
WA8RPK	14	3,572	56	14	9	24
K8CPA	7	648	23	9	6	12
*N8RF	A	542,640	661	188	66	86
*WA8Y	"	54,665	176	83	43	19
*KF6A/8	14	21,945	103	50	19	8
AI9T	A	3,155,349	2326	302	102	187
W9MU	"	1,772,620	1410	294	102	130
NS9I	"	503,328	759	144	54	96
KT9L	"	466,830	610	168	61	113
WA9IVH	"	450,075	563	196	74	83
N9OK	"	240,660	412	133	55	64
N9AKR	"	193,039	469	100	34	27
AA9RR	"	86,184	182	127	41	3
*KA9O	A	226,196	379	167	63	63
*K9OR	"	176,850	263	159	65	38
*N9ISN	"	20,564	80	63	39	4
W0LSD	A	2,824,225	2160	317	115	221
N0XR	"	955,710	1143	192	71	147
AE5E/0	"	762,777	909	188	77	122
N0BK	"	643,406	678	215	83	91
W0BM	"	640,588	623	252	86	50
KS0AA	"	631,489	961	157	62	154
WB0N	"	472,560	605	182	70	106
K7SCX/0	"	412,132	567	164	72	123
K0PC	"	403,144	650	144	53	116
K0AP	"	390,345	619	132	58	75
K0YR	"	331,179	513	146	63	94
K0BX	"	203,404	342	147	59	35
KE0L	"	109,848	286	85	40	74
K0XB	"	104,718	212	117	47	22
W0HBH	"	36,449	112	84	38	5
K4IU/0	"	15,105	89	40	27	28
K0KT	"	6,600	50	30	16	4
K0PK	28	126,429	440	72	26	13
*K0KX	A	1,452,550	1178	268	96	111
*AD1C/0	"	671,105	862	182	72	141
*KC0BMF	"	670,344	781	198	75	135
*WB0SOK	"	321,356	432	177	69	76
*AC0PP	"	240,298	416	132	51	91
*K0JA	"	109,604	241	107	45	60
*K0JE	"	102,718	224	111	54	38
*N0AS	"	95,380	213	103	51	36
*AC0W	"	82,012	189	92	57	53
*N0EKM	"	63,358	165	96	46	16
*N0HR	"	60,345	149	99	39	11
*W0RAA	"	53,949	291	44	30	73
*AA0AW	"	37,440	156	61	32	37
*N0HJZ	"	25,511	127	47	24	26
*KC0NFB	"	8,875	52	33	24	14
*KD0CVO	"	4,720	66	23	23	34
*KN0R	"	2,268	27	19	9	0
*W0LM	"	1,512	21	14	12	10
*KC0DEB	28	58,432	238	61	21	6
*KF0IQ	"	9,261	66	33	14	2

Alaska

AL9A	A	937,629	1079	138	78	147
*KL2R	A	103,740	247	77	45	68
						(OP: N1TX)

Canada

VE1OP	A	579,425	718	166	63	72
*VE1BVD	A	575	18	10	10	5
VE2FXL	A	944,628	1051	176	61	116
VE2FK	"	760,368	866	177	58	101
VA2EW	"	167,800	354	104	53	43
VA3DX	A	100,636	226	93	45	43
VE3SS	"	43,736	119	77	39	26
VE3EJ	"	9,750	49	36	29	13
VE5MX	A	1,541,280	1289	230	97	180
VE6WQ	21	628,176	1328	97	34	53
VE7TG	A	242,896	355	121	68	115
VE7CF	"	158,208	347	64	47	95

Martinique

FM5AN	28	8,211	67	21	11	19

Mexico

XE2K	A	2,615,754	2025	232	105	210
XE1EE	28	252,555	714	74	26	49
XE2X	7	12,127	85	30	11	26
XE2WK	"	2,046	30	10	7	16
*XE1GZU	A	51,910	141	68	44	33

U.S. Virgin Islands

*KP2DX	A	238,500	423	99	46	120
						(OP: KP2BH)

AFRICA

Canary Islands

*EC8AFM	A	372,565	493	157	54	66
*EA8AJO	"	88,480	227	98	31	11

Madeira Islands

CT3BD	A	311,170	493	148	59	83
CT3EN	21	984,987	1964	101	33	57
CT3KY	14	682,689	1356	97	30	50

South Africa

ZS1LS	A	32,207	106	70	30	7

ASIA

Asiatic Russia

RG9A	A	6,174,350	3541	416	127	107
UI9I	"	2,632,925	2239	282	102	53
						(OP: RM9I)
UA9BS	"	903,921	944	259	93	15
RG8K	"	568,484	682	202	76	38
RM9RZ	"	565,956	704	211	81	24
RA9AU	"	414,960	640	172	52	16
RK9AX	7	35,145	226	44	10	1
*RW9C	A	1,355,634	1209	275	97	34
*RA9AC	"	28,483	122	52	29	10
*UA9AFS	21	186,480	629	81	26	5
UC0A	A	1,271,930	1412	237	81	23
UA0AGI	"	898,580	983	216	84	58
RA0FF	"	707,544	726	176	97	99
UA0QBR	"	294,372	503	137	54	31
RA0AM	21	110,352	419	69	26	19
RX0AT	3.5	17,150	139	37	12	0
*RA0ANO	A	20,874	78	60	35	3

Asiatic Turkey

*TC2T	A	143,846	383	107	35	0
						(OP: TA2MW)
*TA7AO	28	2	1	1	1	0

China

BD5DML	21	46,008	232	48	21	12
*BH3OTC	A	122,796	308	106	47	9
*BD7IS	28	181,901	705	70	24	7
*BD1BYV	"	60,792	310	47	19	2
*BD1QXU	21	123,066	454	59	25	22
*BA1GM	"	6,000	85	21	9	0

Hong Kong

VR2XLN	A	505,425	663	179	80	34

India

*VU2UR	28	12,296	77	38	16	4

Japan

JM1XCW	A	2,335,464	1769	231	104	154
JQ1BVI	"	1,563,088	1433	221	94	107
JA1WSK	"	488,523	580	159	73	69
JA1IZZ	"	191,316	327	104	60	50
JA1XUY	"	106,150	216	107	62	24
JL1BYZ	"	96,096	224	65	38	53
JE1HRC	"	58,499	164	85	42	10
JI1ALP	"	37,800	127	64	28	13
7L2OHM	"	16,245	99	38	14	5
JO1WKO	28	262,800	644	73	31	42
JA1BPA	21	384,680	844	82	29	52
*JA1MZM	A	115,024	266	77	44	37
*7L4IOU	"	85,345	210	80	53	36
*JA1BWA	"	75,075	200	81	51	33
*JR4PMX/1	"	33,744	103	50	34	30
*JH1RRP	"	10,258	75	37	9	0
*JK1GKG	"	3,572	36	26	18	3
*JM1NKT	21	55,414	204	55	22	26
*JS1IFK	14	9,984	87	33	14	1
JF2IWL	A	75,348	230	64	40	34
JA2IVK	"	52,272	168	69	30	9
JH2FXK	"	43,407	135	59	29	29
*JA2AXB	A	172,848	307	102	56	50
*JA2QVP	"	41,958	133	52	39	35
*JA2KCY	"	31,473	107	75	42	0
*JA2VHG	"	16,416	80	51	23	2
JN3SAC	A	403,100	500	168	76	46
JM3UGA	"	262,665	536	106	48	41
JA3EY	"	100,580	218	93	57	38
JS3CTQ	"	83,072	253	70	27	21
*JG3FEA	A	568,160	599	180	83	72
*JA3PYC	"	49,420	131	78	44	18
JH4UTP	A	1,213,025	1316	218	96	87
JO4CFV	"	243,719	391	131	80	48
JH4RUF	"	58,125	138	74	54	27
JA4OPW	"	46,690	126	69	56	20
JM4WUZ	28	23,450	169	37	13	0
*JR4DHK	A	53,067	166	60	48	25
*JR5XPG	A	247,299	429	108	54	59
JA6ZPR	21	279,152	700	72	27	47
						(OP: JH6JSR)
*JA6DIJ	A	577,806	658	182	80	56
*JA6GXP	"	90,630	215	84	41	34
JA7ZP	A	180,000	295	129	71	40
JA7FYU	"	299	9	8	5	0
JA7KY	"	54	5	2	3	4
JA8JMG	A	626,040	767	155	73	68
*JA8LRG	A	207,505	317	127	66	42
*JL8MBF	"	25,920	111	56	29	5
JR9GMS	A	66,265	159	69	35	41
JA0FVU	A	167,139	395	67	32	48

Kazakhstan

UN4PG	21	293,504	893	88	31	9
*UN9LU	28	38,280	230	45	15	0

Mongolia

*JT1BE	14	11,440	117	31	13	0

Singapore

9V1YC	A	27,560	106	56	44	6

South Korea

DS5DNO	A	70,912	222	63	43	22
HL1/WX8C	14	11,139	92	32	15	0

EUROPE

Austria

OE6MDF	A	1,815,187	1492	290	97	130
OE6MMF	"	697,774	857	238	74	82
*OE2E	A	1,274,680	1154	216	81	143
						(OP: OE2GEN)

Belgium

OQ5M	28	37,401	152	35	23	33
						(OP: ON5ZO)
*OP4A	A	161,040	387	85	40	51
*ON4KGL	"	106,023	253	97	45	35

Bosnia-Herzegovina

*E74AA	14	175,260	647	72	25	30
*E72MM	3.5	6,660	98	31	5	0

Bulgaria

LZ8E	A	5,455,800	3297	382	133	185
						(OP: LZ2BE)
LZ9A	28	297,440	669	87	33	49
						(OP: LZ2HM)
LZ1NG	"	49,858	212	45	26	26
*LZ9R	A	1,853,556	1681	292	93	113
						(OP: LZ3YY)
*LZ2STO	"	456,088	495	222	79	75
*LZ1QV	"	132,076	276	131	54	27
*LZ2ZG	28	133,920	373	70	30	35
*LZ1MC	14	220	9	7	4	0

Crete

*J49XB	A	690,368	997	205	65	52
						(OP: DJ9XB)
*SV0XBZ/9	"	101,871	333	99	33	15
						(OP: YL2VW)

Croatia

9A7V	A	602,723	688	168	75	106
9A6JOY	"	67,080	234	85	25	20
9A7R	28	326,970	720	89	33	51
9A6B	"	295,812	668	81	33	48
						(OP: 9A2EU)
*9A3XV	A	11,826	80	46	21	6

Czech Republic

OK2PF	A	348,192	632	180	54	45
OK1FJD	"	92,258	223	62	42	59
OK1XC	21	94,050	334	55	23	36
*OK7Y	A	530,593	699	187	71	73
						(OP: OK1FDY)
*OK2PMS	"	157,528	314	109	48	46
*OK3C	21	300,004	651	97	33	49
						(OP: OK2ZC)

Denmark

OZ4VW	A	962,535	907	244	95	106
*OZ/DL1OJ	A	20,070	119	57	25	8

England

M7T	A	2,431,337	1959	314	106	149
						(OP: G3YYD)
M1AQV	"	329,175	435	171	67	77
G6T	"	72,738	200	74	40	48
						(OP: G4MKP)
*G0UGO	A	281,244	464	166	59	51
*G6OKU	"	19,764	119	53	21	7
*M0VKG	7	70	8	5	2	0

European Russia

UA5F	A	3,971,645	2583	389	128	166
RA6XV	"	811,422	1127	214	77	75
RU6L	"	85,800	187	46	35	84
RN1ON	"	77,792	179	114	50	12
RU6YJ	"	25,252	256	48	9	2
RU6M	"	3,162	32	22	19	10
UA4CC	28	73,746	317	62	26	14
RZ3EC	"	20,066	104	41	26	12
RM5P	"	19,809	126	37	24	10
R7LV	21	734,760	1530	107	36	52
UA3SAQ	"	462,668	1033	106	33	49
RW4WZ	14	282,534	920	93	31	23
RW4PL	7	291,096	881	90	30	36
*R2AT	A	645,123	832	215	78	66
*R2LA	"	204,820	415	144	57	19
*RA3VX	"	67,782	211	112	37	9
*RK4YJ	"	58,212	190	97	42	8
*UA4WLI	"	47,994	201	86	27	1
*RA3ICK	"	46,991	146	82	40	15
*RK3RX	"	42,240	197	76	27	7
*R3RR	"	41,412	153	71	32	13
*RK3BA	"	10,500	71	38	23	9
*R6YY	28	109,668	436	64	26	24
*R2SA	7	68,040	386	61	17	12

European Turkey

TA1DX	A	312,309	543	164	59	46

Finland

OH1F	A	1,919,304	1459	312	113	124
						(OP: OH1NOA)
OH8KVA	"	171,585	407	129	52	24
OH2BF	"	4,876	32	30	22	1
OH7MN	7	93,330	534	64	18	8
*OH2LNH	A	237,669	494	155	55	17

*0H8KA	"	191,274	431	148	52	13
***OH8FKU**	**28**	**9,858**	**73**	**26**	**17**	**10**
France						
F4ERS	**A**	**2,253,682**	**1856**	**263**	**98**	**177**
F4EIZ	**28**	**2,814**	**23**	**22**	**19**	**1**
						(OP: F4EIZ/P)
TM6M	**21**	**908,205**	**1848**	**99**	**35**	**57**
						(OP: F4DXW)
***F4GDI**	**A**	**567,464**	**684**	**189**	**78**	**89**
*F8CRS	"	422,646	496	177	65	105
***F4FDA**	**28**	**178,205**	**474**	**73**	**28**	**44**
***F4BKV**	**14**	**528**	**15**	**9**	**6**	**1**
Germany						
DD2ML	**A**	**1,972,860**	**1526**	**261**	**100**	**163**
DD1JN	"	1,844,376	1427	292	97	147
DK3GI	"	1,737,736	1300	279	100	160
DJ8OG	"	1,657,656	1229	285	110	157
DL1QW	"	1,649,010	1168	312	106	152
DJ3NG	"	1,080,930	1116	200	77	134
DHØGHU	"	1,056,428	1014	235	81	120
DL8OH	"	876,525	1010	199	86	118
DL7VEE	"	838,128	752	216	97	143
DL2IAN	"	729,495	870	212	73	92
DL6DCD	"	588,665	656	216	79	90
DL8SCG	"	554,048	653	164	85	103
DJ9RR	"	489,223	647	166	65	98
DL1NEO	"	483,075	629	195	65	79
DJ8EW	"	478,423	589	191	67	83
DL9NCR	"	475,310	716	162	66	70
DL5YM	"	332,028	526	151	64	61
DK1KC	"	318,164	432	167	66	75
DF2LH	"	288,544	429	141	64	79
DK5MB	"	258,635	363	165	67	67
DL6NCY	"	220,848	367	136	59	63
DL9NDV	"	183,580	299	157	59	52
DM2GG	"	166,659	341	120	52	47
DD8JJ	"	128,553	248	97	57	65
DL2RTL	"	102,249	207	92	47	50
DF2QZ	"	88,536	213	105	45	36
DJØTP	"	71,340	170	72	38	54
DL5XL	"	56,536	150	81	43	24
DJ9MH	"	50,750	133	56	41	48
DL5KUT	"	47,495	168	52	21	42
DJ1AA	"	45,288	149	79	31	26
DKØAE	"	44,744	148	79	31	26
						(OP: DJ1AA)
DM5DX	"	36,207	99	75	56	18
DL8AWK	"	28,120	159	69	26	0
DL8YR	"	11,020	60	44	30	2
DL9HK	"	8,816	53	31	27	0
DL1LH	**28**	**251,262**	**574**	**83**	**31**	**48**
DM3VL	"	8,432	51	30	18	14
DJ3IW	**21**	**600,600**	**1208**	**103**	**34**	**58**
DF9ZP	"	464,894	963	101	36	54
DK4WA	**14**	**53,286**	**207**	**57**	**25**	**25**
DO4DXA	**3.5**	**9,071**	**108**	**34**	**6**	**7**
***DL9YAJ**	**A**	**1,502,720**	**1258**	**276**	**106**	**130**
*DL3ANK	"	542,430	773	171	62	82
*DJ3AA	"	347,139	459	159	71	69
*DL5ARM	"	346,104	591	164	51	61
*DK4VY	"	254,610	413	148	60	62
*DF7JC	"	226,941	379	146	60	47
*DL6MHW	"	188,034	371	99	51	81
*DJ2YA	"	138,020	215	151	58	59
*DJ7JC	"	129,554	285	125	50	36
*DK3WW	"	124,944	230	120	55	53
*DL7URH	"	123,310	274	95	47	48
*DL8ZVG	"	114,624	297	119	47	26
*DF1HF	"	110,124	255	115	51	41
*DL9MKN	"	108,086	267	119	46	22
*DL4KW	"	93,150	223	82	48	32
*DJ3JD	"	76,212	206	71	46	29
*DJ2MX	"	56,434	149	49	32	58
*DF8UO	"	48,246	135	50	36	43
*DL3ZH	"	32,526	106	57	37	23
*DL6UAA	"	29,972	89	46	36	36
*DM2RM	"	26,136	103	40	27	32
*DL5WS	"	18,177	113	52	23	8
*DL1AQN	"	9,600	100	36	12	2
*DF2AJ	"	1,872	24	15	15	6
***DJ8ES**	**28**	**72,705**	**241**	**58**	**24**	**29**
*DJ2XC	"	16,510	94	33	19	13
***DO5WW**	**21**	**100,368**	**299**	**64**	**26**	**46**
***DM6DX**	**7**	**87,163**	**415**	**54**	**14**	**33**
Greece						
SV8RX	**A**	**202,477**	**388**	**140**	**62**	**31**
***SV1HKD**	**A**	**13,608**	**76**	**49**	**26**	**6**
*SV1DPP	"	9,856	49	33	27	17
Hungary						
HA8IE	**A**	**1,971,200**	**1492**	**309**	**116**	**135**
HA3HZ	"	480,675	658	199	71	55
HAØMS	"	338,289	591	162	62	43
HG3FMZ	**28**	**65,712**	**246**	**46**	**31**	**34**
HA3LI	**3.5**	**93,832**	**641**	**54**	**11**	**9**
***HAØGK**	**A**	**233,618**	**405**	**163**	**61**	**35**
*HA5PT	"	22,194	101	45	29	7
***HG8C**	**28**	**103,090**	**314**	**60**	**27**	**35**
						(OP: HA8EK)
*HA8BE	"	73,800	219	59	26	38
Iceland						
TF3AO	**A**	**689,274**	**1083**	**164**	**55**	**79**
TF3IG	"	41,402	190	77	31	19
***TF3PPN**	**A**	**676,506**	**1187**	**145**	**47**	**82**
Ireland						
EI2GLB	**A**	**1,261,620**	**1165**	**206**	**75**	**149**
EI7KD	"	266,288	874	69	21	46
***EI9ES**	**A**	**47,422**	**145**	**62**	**33**	**36**
Italy						
IZ6TSA	**A**	**2,382,660**	**1632**	**321**	**115**	**174**
IV3JCC	"	1,687,920	1238	273	109	159
IK2SND	"	989,945	946	210	96	133
IK8UND	"	713,658	829	188	75	100
IK3ORD	"	464,780	554	179	82	79
I3VJW	"	372,520	510	116	65	87
IK2SGF	"	363,346	576	103	52	123
IZ1JLN	"	294,920	462	170	67	55
IK5FKF	"	269,360	474	154	63	43
IK2GZU	"	41,396	135	63	41	27
I7CSB	"	10,494	62	20	18	28
IW1RAX	"	10,395	57	43	26	8
IK1TAZ	"	10,206	53	47	34	0
IWØGYC	"	7,344	57	30	24	0
IK4ZHH	"	4,440	51	21	16	0
IZ8DVD	**28**	**31,929**	**153**	**45**	**23**	**19**
IKØTUM	"	1,650	25	2	4	16
IV3TMV	**21**	**580,970**	**1132**	**112**	**37**	**56**
IK8YFU	"	14,204	92	36	14	17
IK4MGP	**14**	**856,753**	**1783**	**107**	**34**	**56**
II4LXV	**7**	**458,040**	**1221**	**86**	**28**	**51**
						(OP: I4IKW)
IZØKBR	**3.5**	**116,100**	**644**	**57**	**13**	**20**
IZ5DIY	"	110,016	557	58	13	25
***IØZUT**	**A**	**142,214**	**287**	**118**	**50**	**43**
*IZ1MHY	"	109,926	217	88	48	61
*IN3FHE	"	84,390	175	106	49	39
*IK1SOW	"	34,632	126	58	35	24
*IW3SAR	"	9,280	59	33	20	11
***IZ4AFW**	**21**	**168,818**	**449**	**77**	**26**	**48**
*IKØEIE	"	135,240	375	70	26	44
***IKØLNN**	**7**	**63,812**	**279**	**58**	**17**	**31**
*IZØEHL	"	7,788	95	36	8	0
***IKØXBX**	**3.5**	**49,650**	**338**	**52**	**9**	**14**
Lithuania						
LY1R	**A**	**1,822,499**	**1507**	**273**	**102**	**122**
LY775D	"	362,070	605	166	59	45
***LY2SA**	**A**	**378,531**	**543**	**190**	**73**	**44**
*LY2CV	"	22,692	144	56	21	16
Macedonia						
***Z35X**	**14**	**273,762**	**919**	**75**	**25**	**34**
Moldova						
***ER3DX**	**A**	**129,990**	**242**	**112**	**58**	**40**
***ER3MM**	**28**	**19,600**	**100**	**38**	**24**	**18**
Netherlands						
PA3S	**A**	**433,045**	**497**	**149**	**72**	**116**
PI4CG	"	100,646	336	94	34	30
						(OP: PD2PKM)
PAØVHA	"	15,576	195	36	7	1
PA1T	"	3,360	30	13	12	17
PA5O	**28**	**34,944**	**156**	**37**	**24**	**23**
***PD7BZ**	**A**	**390,998**	**621**	**151**	**53**	**70**
*PD5T	"	244,623	504	121	45	53
*PA3FYG	"	211,671	391	152	64	45
*PE1FTV	"	180,407	337	116	56	51
*PA3FXY	"	74,090	243	94	42	19
*PD3BVI	"	32,079	111	47	32	32
*PA2GR	"	29,887	140	79	38	4
*PA3HGF	"	28,355	108	45	30	32
***PA1CC**	**28**	**215,760**	**522**	**77**	**31**	**47**
*PE4BAS	"	5,382	47	21	14	11
***PE1PKR**	**14**	**14,080**	**128**	**38**	**12**	**5**
Northern Ireland						
***GI4SJQ**	**A**	**174,876**	**355**	**126**	**58**	**44**
Norway						
LA9TY	**A**	**332,555**	**447**	**174**	**71**	**48**
Poland						
SP7IIT	**A**	**59,436**	**130**	**82**	**59**	**15**
SQ8JX	"	49,140	253	73	23	9
SQ8J	**28**	**9,966**	**54**	**25**	**23**	**18**
SP3GXH	**21**	**351,726**	**732**	**97**	**35**	**51**
SN2K	**14**	**578,476**	**1355**	**101**	**34**	**46**
						(OP: SP2DWG)
SP8ONZ	"	304,722	830	91	30	41
***SN9P**	**A**	**576,081**	**652**	**195**	**69**	**99**
						(OP: SQ9GAI)
*SQ8MXN	"	174,840	355	144	58	33
*SP6JZP	"	174,528	356	125	57	34
*SN7S	"	164,501	473	99	46	34
*SQ5OLD	"	132,220	259	112	59	49
*SQ5JUP	"	54,416	164	92	42	18
*SQ3RX	"	37,742	147	61	34	18
*SP5OXJ	"	32,946	138	65	28	21
*SP3CGK	"	6,405	41	26	22	13
***SP2OOT**	**28**	**19,404**	**101**	**34**	**23**	**20**
*SQ1K	"	3,060	38	12	12	12
*SP1MWK	"	2,788	29	24	17	0
						(OP: SQ1EIX)
***SP1MHZ**	**21**	**125,994**	**358**	**69**	**25**	**44**
Portugal						
***CT2IOV**	**28**	**42,640**	**253**	**44**	**15**	**23**
Romania						
YO9HP	**A**	**2,508,288**	**1929**	**311**	**102**	**139**
YQ6A	"	1,119,503	995	266	94	109
						(OP: YO6BHN)
YO7DAA	"	56,277	288	64	27	26
YR5T	**14**	**123,192**	**488**	**74**	**24**	**18**
						(OP: YO5CBX)
YO5BEU	"	3,200	62	26	6	0
***YO6HSU**	**A**	**458,556**	**687**	**187**	**71**	**51**
*YO8WW	"	331,401	499	167	72	62
*YO3FOM	"	314,096	467	156	71	66
***YO8DDP**	**28**	**29,526**	**155**	**38**	**25**	**11**
***YO9CWY**	**14**	**90,307**	**431**	**69**	**21**	**7**
Scotland						
GMØFGI	**A**	**1,292,304**	**1338**	**249**	**82**	**105**
MMØGPZ	"	158,288	315	117	44	47

Serbia

YT1VP	**7**	**409,770**	**1120**	**83**	**30**	**44**
***YU8NU**	**A**	**1,221**	**18**	**17**	**15**	**1**
***YU7U**	**3.5**	**13,923**	**145**	**41**	**8**	**2**

Sicily

IW9FRA	**A**	**1,848**	**23**	**15**	**15**	**3**
IT9FGA	"	858	13	11	11	0
***IT9SGN**	**A**	**936**	**23**	**18**	**8**	**0**
***IT9IMJ**	**7**	**3,648**	**67**	**28**	**4**	**0**

Slovak Republic

***OM7RC**	**A**	**119,867**	**254**	**91**	**50**	**46**
*OM3ZBG	"	42,558	209	79	28	16

Slovenia

S57DX	**A**	**436,356**	**593**	**155**	**64**	**87**
***S57AW**	**A**	**3,500,924**	**2101**	**362**	**123**	**194**
*S55VM	"	588,401	705	206	75	78
***S57EA**	**14**	**79,686**	**323**	**71**	**21**	**22**

Spain

EE3R	**A**	**655,962**	**780**	**187**	**78**	**89**
					(OP: EA3OR)	
ED3A	"	308,236	528	134	57	72
					(OP: EA3DW)	
EA5FIV	"	254,058	396	143	57	63
EB1IC	"	111,954	310	50	35	56
EF1A	"	86,994	205	96	50	33
					(OP: EA1XT)	
EA7RU	"	86,553	221	84	37	42
EA4KD	**28**	**259,442**	**696**	**67**	**27**	**52**
EA7ZY	**21**	**263,128**	**973**	**59**	**17**	**48**
***EA5DKU**	**A**	**991,380**	**1113**	**231**	**74**	**105**
*EA2DCF	"	33,579	106	52	34	37
***EA3QP**	**28**	**9,324**	**116**	**22**	**14**	**0**
***ED2Y**	**14**	**163,737**	**706**	**63**	**18**	**32**
					(OP: EA2KU)	
***EF7W**	**3.5**	**4,788**	**67**	**32**	**6**	**4**
					(OP: EC7KW)	

Svalbard

JW7QIA	**A**	**610,793**	**820**	**168**	**68**	**87**

Sweden

SK2T	**A**	**2,107,200**	**1437**	**344**	**107**	**149**
					(OP: SM2LIY)	
SM6GKT	"	160,083	329	133	56	42
SM3VAC	"	151,184	310	57	36	83
SFØD	"	41,844	155	76	37	19
					(OP: SMØDSF)	
8SØC	"	17,115	66	61	44	0
					(OP: SMØMPV)	
SM5CZQ	"	7,748	53	26	21	5
SM6FUD	**7**	**164,875**	**595**	**72**	**22**	**31**
***SM5D**	**A**	**499,768**	**632**	**204**	**80**	**65**
					(OP: SM5DJZ)	
*SM7BHM	"	88,893	273	98	32	23
*SA3V	"	61,292	192	92	40	22
					(OP: SA3ARL)	

Switzerland

HB9CRV	**A**	**411,474**	**678**	**164**	**64**	**63**
HB9RML	"	3,393	29	10	10	19
HB9LCW	**14**	**24,806**	**139**	**50**	**16**	**13**
HB9DHG	**7**	**55,821**	**405**	**48**	**12**	**9**

Ukraine

UU7J	**A**	**2,961,798**	**2260**	**317**	**118**	**147**
					(OP: UU1AZ)	
UW8I	"	2,679,600	2108	331	115	134
					(OP: UT2IZ)	
UXØFF	"	2,086,920	1760	286	106	135
UT1AA	"	385,050	617	181	65	56
UR5MBA	"	319,704	551	181	57	26
UT4HZ	"	154,889	346	135	52	16
UT4ZX	"	87,768	188	130	64	18
UT4ZG	**28**	**61,272**	**210**	**61**	**28**	**22**
EO3Q	**14**	**679,328**	**1554**	**99**	**35**	**50**
					(OP: UR3QCW)	
UW4I	**7**	**294,060**	**1035**	**83**	**26**	**36**
UX1UX	**3.5**	**75,190**	**538**	**52**	**11**	**10**
UT5ZA	"	8,325	143	30	7	0
***US4LPY**	**A**	**1,213,470**	**1385**	**242**	**85**	**90**
*UT8EL	"	1,011,285	1216	265	81	59
*UX1IL	"	631,690	791	234	80	48
*UY7C	"	589,572	877	191	66	52
*UR5EPV	"	155,419	406	140	41	18
*UU4JIM	"	141,204	245	148	64	34
*UT9FJ	"	117,847	267	123	47	21
*UR5XMM	"	39,424	135	65	39	24
*UX1AA	"	13,024	68	24	20	30
***UT2AB**	**21**	**19,050**	**106**	**39**	**19**	**17**

Wales

GWØRYT	**A**	**144,536**	**293**	**97**	**44**	**62**
***GW4SKA**	**A**	**2,575,170**	**1829**	**303**	**109**	**173**

OCEANIA

Australia

VK2CA	**A**	**123,272**	**297**	**95**	**57**	**0**
***VK8PDX**	**A**	**83,144**	**210**	**104**	**48**	**0**
*VK6GOM	"	39,480	134	62	35	8

Guam

KG6DX	**28**	**732,828**	**1455**	**90**	**32**	**51**

Indonesia

***YBØJIV**	**A**	**38,512**	**173**	**46**	**23**	**14**

SOUTH AMERICA

Argentina

LU6ETB	**A**	**336,570**	**621**	**75**	**39**	**81**
LV5V	"	82,797	203	62	31	50
					(OP: LU5VV)	
***LU8EOT**	**28**	**120,227**	**399**	**43**	**20**	**46**

Brazil

ZX2B	**A**	**3,808,317**	**2316**	**275**	**105**	**189**
					(OP: PY2MNL)	
PY7ZY	"	98,670	245	67	32	44
PT7CG	**28**	**158,627**	**470**	**59**	**17**	**43**
ZY2C	"	107,321	364	47	20	40
					(OP: PY2ADR)	
***PY2SEX**	**A**	**2,007,440**	**1537**	**226**	**91**	**143**
*ZW7B	"	1,160,683	1027	213	78	140
					(OP: PS7BY)	
***PU4LOG**	**28**	**266,754**	**688**	**65**	**23**	**50**
*PY2DN	"	239,320	659	55	20	49
*PY2VZ	"	22,494	128	21	15	33
***PY4XX**	**21**	**50,505**	**194**	**53**	**19**	**33**

Chile

CE3PG	**A**	**529,976**	**776**	**107**	**47**	**94**

Colombia

***HK3JJB**	**A**	**41,496**	**150**	**66**	**29**	**38**

Uruguay

CX5TR	**A**	**4,032**	**50**	**22**	**12**	**2**

Venezuela

YW4V	**28**	**85,250**	**289**	**53**	**21**	**36**
					(OP: YV4DYJ)	

MULTI-OPERATOR
SINGLE TRANSMITTER HIGH POWER
NORTH AMERICA

United States

K3OQ	**110,880**	**329**	**81**	**33**	**66**
K4FJ	**4,234,705**	**2658**	**348**	**110**	**195**
AA4HP	1,626,570	1555	237	85	143
N4RI	455,694	652	164	55	99
KA4PKB	283,682	538	125	63	134
K6MMM	**966,960**	**1152**	**154**	**91**	**163**
AA7A	**2,276,784**	**1954**	**258**	**105**	**219**
K7BTW	1,673,592	1725	223	101	224
WY7SS	1,155,680	1800	183	83	200
KK7PR	1,004,980	1309	161	86	189
N2BJ/9	**1,180,783**	**1270**	**204**	**80**	**125**

Canada

VE3FJB	**1,842,536**	**1704**	**221**	**74**	**141**
VE6AO	**435,070**	**749**	**80**	**56**	**142**

Greenland

OX4OK	**1,979,740**	**2017**	**195**	**68**	**132**

AFRICA

Canary Islands

EF8M	**12,197,500**	**4955**	**447**	**143**	**260**

Morocco

CN3A	**10,612,800**	**4517**	**419**	**135**	**250**

ASIA

Kazakhstan

UN8LWF	**2,375,325**	**2178**	**266**	**92**	**47**

EUROPE

Austria

OE9R	**734,045**	**981**	**130**	**52**	**117**

Czech Republic

OL7M	**4,528,359**	**2628**	**385**	**128**	**198**
OL3A	2,085,440	1604	280	101	151
OK1KSL	1,954,511	1571	277	95	161
OL7C	1,893,664	1727	217	91	164
OL2X	961,488	1039	217	85	94

Denmark

OZ2AR	**595,080**	**790**	**214**	**88**	**46**

England

G7BRC	**848,625**	**1053**	**201**	**67**	**97**

European Russia

RL3A	**4,841,200**	**2879**	**415**	**141**	**172**
RK3DXW	1,385,296	1349	264	95	104

Finland

OH8A	**4,124,061**	**2740**	**389**	**132**	**146**
OH3I	2,289,696	1786	313	110	129

France

TM4P	**2,731,545**	**2280**	**234**	**83**	**188**

Germany

DF5MA	**2,305,632**	**1756**	**305**	**105**	**154**
DK7ZT	1,304,774	1245	260	95	127
DF7ZS	1,230,188	1263	241	85	132
DL/KE9I	693,260	894	157	60	123
DG3FAW	404,982	612	158	65	75

Greece

SZ1A	**1,456,272**	**1548**	**258**	**85**	**89**

Italy

IV3HYD	**2,623,885**	**1730**	**315**	**115**	**175**
IQ2LS	459,797	599	147	65	101
IQ3GO	162,800	358	118	46	56

Luxembourg

LX8M	**2,790,791**	**2122**	**298**	**103**	**162**

Market Reef

OJØX	**3,180,546**	**2572**	**281**	**99**	**142**

Netherlands

PA6Y	**165,228**	**422**	**117**	**45**	**34**

Norway

LA1UKA	**75,900**	**290**	**90**	**35**	**13**

Poland

SP4YPB	**1,640,768**	**1484**	**274**	**100**	**122**

Portugal

CR5D	**2,371,040**	**2004**	**263**	**91**	**157**

Serbia

YT2T	**3,522,364**	**2237**	**357**	**124**	**187**
YT7W	1,909,474	1708	245	101	151

Sicily

IT9HBT	**1,696,968**	**1503**	**271**	**113**	**134**

Slovak Republic

OM5M	**3,608,088**	**2414**	**340**	**120**	**172**
OM3RRC	1,777,457	1677	227	82	154

Slovenia

S5ØW	**3,894,905**	**2417**	**341**	**122**	**202**

Spain

EE2K	**2,108,754**	**1898**	**249**	**91**	**146**
EA2TT	2,042,965	1910	233	84	170
ED2V	1,829,520	1734	250	86	148

Ukraine

UZ2M	**6,690,831**	**3677**	**439**	**145**	**195**
UT7L	2,139,000	1545	336	117	147
UWØL	157,759	331	136	47	34

OCEANIA

Fiji

3D2EG	**348,684**	**652**	**104**	**60**	**32**

SOUTH AMERICA

Argentina

LTØH	**2,690,142**	**1862**	**242**	**93**	**172**
LT5X	114,080	302	103	43	9

Brazil

PX2V	**1,429,341**	**1436**	**178**	**77**	**138**
ZV2K	938,100	1029	167	70	117

Chile

CE1TT	**740,116**	**868**	**147**	**64**	**120**

Uruguay

CV5K	**860,258**	**1105**	**148**	**62**	**91**

MULTI-OPERATOR
SINGLE TRANSMITTER LOW POWER
NORTH AMERICA

United States

***N3WZR**	**297,243**	**462**	**156**	**58**	**89**
***WW4LL**	**1,954,310**	**1619**	**307**	**101**	**178**
*WJ4N	899,248	1180	183	66	143
***W9CF/7**	**38,160**	**148**	**46**	**39**	**59**
*WS7I	15,660	77	46	39	23
***N9LAH**	**1,144,150**	**1112**	**244**	**95**	**151**
*W9TTT	407,259	670	147	63	123
***KU1YL/Ø**	**873,681**	**885**	**233**	**83**	**147**
*ACØE	145,632	332	102	44	76
*WØFRC	52,932	212	55	28	49

Bermuda

***VP9I**	**3,438,541**	**2287**	**304**	**100**	**213**

ASIA

China

***BA2IA**	**80,464**	**351**	**57**	**33**	**17**
*BG8GAM	54,252	269	98	39	0

South Korea

***DS3HWS**	**80,997**	**295**	**86**	**47**	**0**

EUROPE

Bulgaria

***LZ5R**	**2,041,560**	**1691**	**294**	**107**	**134**

Czech Republic

***OK2PQS**	**192,479**	**394**	**125**	**55**	**37**

Finland

***OH7AB**	**118,413**	**308**	**117**	**40**	**20**

Germany

***DD1A**	**838,299**	**977**	**214**	**74**	**111**
*DF9DD	340,659	513	166	66	65
*DLØLG	122,892	296	117	53	26
*DLØABT	1,148	18	17	11	0

Poland

***SP9KDA**	**746,856**	**978**	**211**	**79**	**79**

Portugal

***CS5CRE**	**1,228,392**	**1514**	**263**	**82**	**78**

Serbia

***YT3M**	**1,814,274**	**1672**	**243**	**81**	**138**

Ukraine

***UZ5HZZ**	**222,425**	**527**	**161**	**56**	**0**
*UU4JWC	1,131	25	20	9	0

SOUTH AMERICA

Argentina

***LU1UM**	**351,024**	**630**	**76**	**39**	**98**
*L73D	128,628	299	85	32	45
*LU3DY	76,293	204	68	37	42
*LV6D	45,594	159	41	27	34

Brazil

***PU5ATX**	**254,265**	**579**	**79**	**40**	**82**

MULTI-OPERATOR
TWO TRANSMITTER
NORTH AMERICA

United States

W1DX	**2,727,207**	**2030**	**311**	**97**	**185**
KA1C	614,005	810	187	63	121
ND2W	**2,658,575**	**2472**	**268**	**99**	**184**
NR4M	**6,363,236**	**3861**	**379**	**125**	**220**
W6YX	**4,015,935**	**3023**	**315**	**118**	**260**
W7CT	**1,969,996**	**2176**	**211**	**94**	**224**
WØRDS/7	385,917	667	127	64	138
KØIR	**5,724,545**	**4010**	**344**	**122**	**219**

Canada

VE7SV	**5,254,364**	**3299**	**317**	**124**	**250**

ASIA

Kazakhstan

UO6P	**4,930,608**	**3422**	**358**	**117**	**81**

EUROPE

Croatia

9A4P	**1,460,045**	**1586**	**234**	**85**	**126**

England

G3V	**2,687,122**	**2349**	**303**	**111**	**164**

Estonia

ES9C	**11,095,980**	**5666**	**453**	**143**	**216**

Finland

OH2ET	**4,286,676**	**3038**	**365**	**124**	**144**

Germany

DQ4W	**5,694,018**	**3280**	**373**	**134**	**206**

Hungary

HG7T	**4,972,677**	**3292**	**346**	**121**	**202**

Italy

IQ1RY	**6,512,454**	**3818**	**362**	**127**	**213**
IQ8PL	45,056	204	86	29	13

Netherlands

PI4CC	**5,386,780**	**3228**	**367**	**127**	**212**
PI4COM	2,646,981	1935	318	112	169
PI4W	2,348,731	2011	262	97	158

Norway

LN5O	**3,433,248**	**2331**	**330**	**111**	**183**

Poland

SN2B	**4,933,415**	**3198**	**337**	**115**	**201**

Scotland

GM7R	**5,781,888**	**3549**	**334**	**123**	**215**

Slovenia

S5ØXX	**6,173,958**	**3680**	**375**	**129**	**210**

Spain

ED1R	**7,146,396**	**4240**	**373**	**122**	**221**
EF7R	6,390,258	4134	367	119	213

SOUTH AMERICA

Argentina

LS1D	**3,647,064**	**2442**	**254**	**97**	**201**

Aruba

P49X	**14,161,441**	**6376**	**383**	**132**	**264**

MULTI-OPERATOR
MULTI-TRANSMITTER
NORTH AMERICA

United States

K1SFA	**10,002,562**	**5614**	**400**	**130**	**252**
KA4RRU	**4,451,840**	**3463**	**306**	**109**	**225**
AK7AZ	**873,794**	**1210**	**156**	**82**	**195**

Canada

VE7UF	**3,761,890**	**2881**	**246**	**109**	**250**
VE5RI	**1,283,480**	**1325**	**166**	**85**	**189**

AFRICA

Madeira Islands

CR3L	**10,080,564**	**4852**	**361**	**118**	**243**

ASIA

Taiwan

BV1OO	**454,725**	**969**	**136**	**61**	**18**

EUROPE

Finland

OH6R	**5,201,233**	**3554**	**369**	**121**	**157**

France

TM38O	**1,141,034**	**1295**	**201**	**68**	**113**

Hungary

HG1S	**6,227,145**	**3820**	**374**	**134**	**209**

Italy

II5ITA	**295,260**	**495**	**142**	**61**	**63**

Latvia

YL2CI	**2,614,864**	**2268**	**302**	**100**	**116**

Luxembourg

LX7I	**7,813,069**	**4449**	**374**	**122**	**231**

Sicily

IT9BLB	**9,790,016**	**5363**	**417**	**135**	**224**

Spain

ED5CEF	**6,417,450**	**4455**	**322**	**118**	**210**
EA3CCN	5,757,056	3853	332	113	211

SOUTH AMERICA

Colombia

HK1NA	**1,278,822**	**1179**	**150**	**77**	**166**

CHECK LOGS

3A2MW, 4M5RY, 7K1PTT, 9A2EU, A45XR, A65BP, AA3WZ, AB7R, BA4SD, BG6IRO, CU2JT, DF6YC, DF9FR, DGØCG, DG1RZH, DJ3OS, DJ9FG, DK6IM, DL1AB, DL2JIM, DL2LG, DL3HWF, DL3NSM, DL4CW, DL4JS, DL5MK, DL5MX, DL6OAA, DL7FCQ, DL8CKL, DL9GWA, DM5GI, DM6YY, E72U, E77M, EA1AW, EA1EWY, EA1GFY, EA3GBA, EA3JL, EA3NP, EA4GB, EA4MA, EA5FV, EA5HJO, EA6AZ, EA7AHA, EB2RA, EE5I, F1PYW, F3PZ, F6DKQ, F6FLU, GØPSE, G3RWL, G3VPS, G3VQO, G3ZSS, G4AYU, G4LWB, G7SSE, HA1DAE, HA1SN, HA2EOA, HB9AGH, I1MRH, IKØBZE, IKØHBN, IKØVVG, IK2LTR, IK5VQK, IW1PUR, IW2NEF, IW3IMM, IW5EDI, IW5EIJ, IW5ELL, IW6ASD, IZØUME, IZ1AOC, IZ3EOU, IZ3ETU, IZ4DZD, IZ8FFA, IZ8FTW, J39BS, JA1MRM, JA2DGQ, JA3AZD, JA3MIO, JA4UIT, JA7DNO, JE1JAC, JF9KVT, JG1FML, JL3RPD, JP2MRD, JT1DA, KØGK, KØQC, K2HU, K4DXR, K4KAY, K4REB, K4SAA, K4TRH, K6RBS, K8RC, K8YTO, K9JP, K9MY, KB1VMQ, KB3X, KB9GSY, KC2MBV, KD5JHE, KE4EX, KE5ZGI, KF7PBM, KI6X, KJ6P, KK3Q, KK7PW, KX1X, KY9J, KZ5J, L33M, LA4RT, LA7WCA, LA9FFA, LU4FPZ, LU6AM, LY9Y, LZ2XF, MØDAG, MIØGRG, N1IA, N1MJF, N1WQ, N2JEN, N3ME, N4KHI, N4SIA, N4WYR, N5ZM, N6GY, N6PZ, N7GVV, N7US, NA5DX, NA7RH, NIØB, NM1A, NY3C, OH3GGQ, OH3QL, OH8LXT, OK1DMP, OK2BHD, OK2DW, OK2VWB, OK2ZO, OM3RM, ON4AXU, ON4TO, OZ1AXG, OZ8ABE, PAØFVH, PAØJSE, PAØRRA, PA2KW, PA2LP, PA3A, PA3EBP, PDØMBY, PDØRKA, PD1ARM, PD2J, PT5T, PV8ADI, PY2SRB, RA3XDX, RA4UF, RA6YDX, RL3FA, RL3QCQ, RN3DNG, RU3EJ, RU4UR, RV6ALI, RY9C, RZØAF, S51JQ, S59D, SO7O, SP1DMD, SP1QXK, SP3CFM, SP3EFG, SP3EPG, SP3UY, SP4CJA, SP4GDC, SP6GCU, SP6M, SP7HOV, SP9FT, SP9IHP, SP9OYB, SP9XCN, SQ3LVF, SQ9ANS, SV2HXV, SV3DCX, SV5BYR, TF8SM, UA2FFX, UA3FX, UA4ANZ, UA9CDV, UN6G, UN8P, UR8IDX, USØLW, UT3UX, UT3WW, UT7EJ, UZ2HZ, VE2DLC, VE3FWF, VE3XD, VE3YXO, VK2MWG, VK4IMX, VK7ZE, WØELM, W1FNB, W1NDY, W2MXL, W3ML, W4ASE, W5IF, W6YA, W7JY, W7THY, W7YES, W9FF, WB2COY, WB8ART, WG4M, WM2Z, WS4C, XE2AUD, YO2CMI, YO8RAA, YY4ALK, Z35BY, ZL4AS.