

# The 2005 ARRL International DX CW Contest

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*Is now the  
“good old days”  
of contesting?*

**F**ive years into the first decade of the 21<sup>st</sup> century, we have entered the golden age of computerized contesting. Computers affect operations themselves, the social strata of the contest community, logging, duping, multiplier tabulating—every possible aspect of radio contesting is impacted by computers and by extension, the Internet.

In the pre-Internet age, Lew Gordon, K4VX, ran a series of now-famous classified ads in the back pages of *QST* looking for raw contest operators to come fill chairs at his Missouri QTH. Today's contest operator ads are found on the Internet: "Rent a DX QTH!" "Ops needed for K1TTT multi." Raw score reporting used to be lists of stations calling in on 3830 kHz followed by compilations published in *National Contest Journal*. Now claimed score reporting begins on the Internet with the end of the contest and continues for days afterward and is archived permanently. The Internet provides a near real-time community conversation.

Gone are the days of a voice calling out multipliers on 147 MHz simplex: "20 meters, 20 meters, Kilo Hotel 6 Italy Japan, 14012 from N2AA" that were only available in major metropolitan areas. They've been replaced by the seemingly never-ending scroll of DX spots.

Log checking is now done by automated software. Dedicated volunteers put in many hours of time without much glory to show for it. (Let's give credit where it is due: **K1EA** is responsible for the log checking duty for ARRL DX CW 2005, taking over

after **N6TR** put in many years of service—thanks to both! Thanks are also due to Bob, **K3PH**, who has quietly maintained the record score database for ARRL DX CW on the ARRL Web site. Bob also "quietly" snuck past all the competition this year to win the W/VE QRP scoring title!

Is it possible that today is the "good old days" for radio contesting?

Some very high scores were posted in a variety of categories for the 2005 contest despite a lack of solid propagation on 10 meters during the event. Not surprisingly, as we approach an anticipated sunspot lull of late 2006 the opportunity in most categories to set an overall scoring record has passed on to the next cycle; the only category record broken in the 2005 running was DX Single Op Assisted by **9Y4W (YL2KL, op)**.

Continental records were set by **T15N (W8QZA, op)** for North American DX QRP en route to a category win, **KH7X (KH6ND, op)** for Oceania DX Low Power, **V26G (N2ED, op)** for North America Single Op Assisted, CU2M for Europe in DX Multioperator, Two Transmitter, and **PJ2T** for South America in DX Multitransmitter, Multioperator. **N8II** won both the category and set the new W8 call area record for W/VE 20 meter single band.

## W/VE QRP

The W/VE QRP top 10 often represents a geographically diverse group and 2005 was no exception with 7 US call areas and Ontario represented in the top 10. Coasting to a solid victory in the W/VE QRP

category was Bob, **K3PH**, (EPA) with 946 QSOs and 254 multipliers for 720,852 points. Bob finished #2 in the QRP category in 2004. Second place went to Philip, N0KE, who operated from the K0DU contest station in Colorado. Finishing a close third and fourth respectively were NA4CW (SFL) and Eastern New York's K2EK. QRP Top 10 streaks were continued by #5 finisher Gary, N7IR, (AZ)—8 years running and #9 Doug, W9WI, (TN)—4 years.

## W/VE Low Power

W/VE Low Power featured the closest race of the single op categories in 2005 with a mere 3% of score separating the top 4 finishers. It was Michael, **W1MU**, operating from Maine who takes home the honor. Mike narrowly prevailed with 2082 QSOs, 362 multipliers and a total score of 2,262,138 over Ed, N1UR (VT), Scott, W4PA (TN) and Larry, K7SV, (VA). The top Low Power score posted from west of the Mississippi was 11<sup>th</sup> place finisher Marvin, N5AW (STX) at 1,364,751. Top Low Power score from the Far West was Bob, K8IA (AZ) with 1016 QSOs for 801,624 points.

## W/VE High Power

WRTC two-time competitor Jeff, **K1ZM**, is the 2005 W/VE High Power winner. Operating from his Prince Edward Island contest QTH in Atlantic Canada as

## W/VE Single Operator Regional Leaders

Tables list call sign, score, and power (A = QRP, B = Low Power, C = High Power).

Northeast Region (New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections)		Southeast Region (Delta, Roanoke and Southeastern Divisions)		Central Region (Central and Great Lakes Divisions; Ontario Section)		Midwest Region (Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)		West Coast Region (Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT Sections)			
VY2ZM (K1ZM,op)	5,382,234	C	W3GRF (K0DQ,op)	3,764,988	C	VE3AT	3,619,494	C	K5GN	3,378,942	C
KQ2M	4,806,459	C	W4MYA	2,652,558	C	K8GL	1,960,200	C	N2IC	2,912,952	C
N2NT	4,660,608	C	N4ZR	2,183,040	C	N9CK	1,430,814	C	KU1CW	2,520,606	C
W1MU	2,262,138	B	W4PA	2,193,720	B	KK9A	1,363,554	B	N5AW	1,364,751	B
N1UR	2,214,900	B	K7SV	2,180,820	B	N4TZ	1,171,008	B	W0UO	1,015,560	B
KS1J	1,715,604	B	N4KG	974,052	B	K9QVB	806,436	B	N5DO	758,703	B
K3PH	720,852	A	NA4CW	367,632	A	VA3DF	265,644	A	N0KE (@K0DU)	398,088	A
K2EK	357,390	A	W9WI	248,148	A	W8VE	160,992	A	K5TT	243,243	A
N1TM	301,185	A	WA3NKO	172,914	A	N8IE	145,035	A	N0UR	161,367	A



**DX Multi-2 winner PJ4R toasts their good fortune after a hard fought contest victory. L-R: KU8E, W9RE, N4GG, N5OT.**

VY2ZM, Jeff racked up 3978 QSOs and 451 multipliers for a total score of 5,382,234, narrowly missing the Canadian record he set in 2003. This is Jeff's 3rd victory in the High Power category with previous wins operating as K1ZM in 1993 and 1999.

Coming in second was another WRTC operator, Connecticut's Bob, KQ2M. Bob's score of 4,806,459 led the scoring from the northeastern United States. One top 10 High Power score was posted from outside Atlantic Canada or the W1, W2 and W3 call areas.

Top score from outside far eastern Canada and the northeastern US was put up by #11 finisher Ron, VE3AT (ON), finishing with 3,619,494 points. Top score from west of the Mississippi was Dave, K5GN, who finished 13<sup>th</sup> overall from South Texas.

### W/VE Single Op Assisted

Rick, K11G (RI) is this year's Single Op Assisted winner and takes home the SOA category win for the 6<sup>th</sup> time. Rick's 4083 QSOs and 507 multipliers for 6,210,243 points was also the highest QSO total and highest multiplier count for any 2005 single-op entry. Coming in second was perennial assisted entrant and 2004 category winner Charles, K3WW (EPA), followed closely by 2003 winner Barry, W2UP (EPA) and Noah, K2NG (NNJ). Top 10 assisted scores were also posted from outside the East Coast power alley with Richard, K5NA (STX) finishing 8<sup>th</sup> and Dennis, K5YA (OK) 9<sup>th</sup>.

### W/VE Single Band

Chasing the decline in sunspots up the bands, Bill, W4ZV (NC) was this year's W/VE single band 160-meter winner. Bill was victorious in the 10-meter single band category in 2002 and 2003, and 2005 represents his second win on 160 meters. On 80 meters, previous 10-time winner Robye, W1MK (EMA) returned to the top spot with a narrow win over Ted Demopoulos, KT1V (NH).

tive victory in the category for Alabama's Cort, K4WI. At this point in the sunspot cycle, one should say Cort endured the contest, as he made only 96 QSOs en route to the 10 meter victory.

### W/VE Multioperator Categories

The #1 and #2 finishers from the 2004 running of ARRL DX CW switched spots in 2005 in a squeaker of a finish in the W/VE Multioperator, Single Transmitter category. Despite being slightly behind K1IR (EMA) in the claimed scores, the three man team at W3BGN (EPA) claimed victory after log adjudication. Their score of 4,933,656 was just barely enough to top the team at K1IR, who placed second at 4,911,984. K1IR had a slight lead in overall QSOs but 'BGN's extra 6 multipliers were enough to make up the difference for the win. Mad River Radio Club operators at K8CC operated to a 3<sup>rd</sup> place finish.

In Multioperator, Two Transmitter, an experienced contest team at K1KI (CT) operated to victory with a line score of 5273/528 for 8,352,432 points. Finishing a strong second was Sig's N3RS (EPA) team. Third place was taken by veteran contestants K1AR and K1EA, who operated K1AR at the K1EA QTH (got that?) in EMA.

Three contest teams topped 11 million points in the battle of the big boys: the Multi-Multi category. For a second consecutive year, the plaque was won by the PVRC contestants at the MDC QTH of W3LPL. 'LPL's team posted a line score of 6574/601 for a total score of 11,852,922 points. Finishing

### 2005 DX CW Sponsored Plaques

Plaque Category	Winner	Plaque Sponsor
W/VE Single Operator High Power CW	YV2ZM, (K1ZM, op)	Frankford Radio Club
W/VE Single Operator Low Power CW	W1MU	Dauberville DX Association
W/VE Single Operator QRP CW	K3PH	Tod Olson, K0TO
W/VE Single Operator Assisted CW	K1G	Harold Ritchey, W3WPG, Memorial
W/VE Multioperator Single Transmitter CW	W3BGN	Northern Illinois DX Association
W/VE Multioperator Unlimited Transmitter CW	W3LPL	DX Publishing, N4AA
W/VE 1.8 MHz CW	W4ZV	Jerry Rosalius, WB9Z
W/VE 3.5 MHz CW	W1MK	SM3DMP
W/VE 7 MHz CW	KT3Y	Northern Arizona DX Association
W/VE 14 MHz CW	N8II	The QSL MAN - W4MPY
W/VE 21 MHz CW	W4NZ	Carl Luetzelschwab, K9LA
W/VE 28 MHz CW	K4WI	Green River Valley (IL)ARS, K9WM
World Single Operator High Power CW	8P5A (W2SC, op)	North Jersey DX Association
World Single Operator Low Power CW	VP9/W6BH	Jim Stevens, K4MA
World Single Operator QRP CW	T15N (W8QZA, op)	Jerry Griffin, K6MD/YI9MD
World Single Operator Assisted CW	9Y4W (YL2KL, op)	Willamette Valley DX Club
World Multioperator Single Transmitter CW	V31TP	DX Publishing, N4AA
World Multioperator Two Transmitters CW	PJ4R	Tom De Meiss, K2TD, Memorial
World Multioperator Unlimited CW	PJ2T	H. Stephen Miller, N0SM
World 1.8 MHz CW	C6ALK	Fred Race W8FR In Memory of DL1FF
World 21 MHz CW	V31LZ	Caribbean Contesting Consortium - PJ2T
World 28 MHz CW	LU7WW (LU5WW, op)	Ft Wayne DX Association
Central Division High Power All Band CW	N9CK	Society of Midwest Contesters
Central Division Low Power All Band CW	KK9A	Society of Midwest Contesters
Central Division Multi Single Transmitter CW	WN9O	Society of Midwest Contesters
Rocky Mountain Single Operator Low Power CW	W0ETT	Grand Mesa Contesters of Colorado
Canada Single Operator Low Power CW	VY2TT (K6LA, op)	Contest Club Ontario
Seventh Call Area All Band CW	K7GK	Willamette Valley DX Club
Asia Single Operator High Power CW	JH4UYB	Alamo DX Amigos
Asia Multioperator Single Transmitter CW	JA2ZJW	Yankee Clipper Contest Club
Europe Single Operator High Power CW	OK1RF	Jerry Griffin, K6MD/YI9MD
Europe Multioperator Two Transmitter CW	CU2M	Jim George, N3BB
North American Single Operator High Power CW	8P5A (W2SC, op)	Potomac Valley Radio Club
Caribbean Multioperator Single Transmitter CW	WP2Z	The YASME Foundation
Japan Single Operator Low Power CW	JI1RXQ	Western Washington DX Club

W/VE, national, overall, divisional or call area category leaders that are not listed may purchase their plaque by contacting Kathy Allison, KA1RWY, ARRL Contest Branch assistant, at 860-594-0295 or by email at [kallison@arrl.org](mailto:kallison@arrl.org). The cost is \$67 (US) and includes shipping.

DX Continental or County leaders may purchase their unsponsored plaque by contacting KA1RWY as above. Plaques shipped to non-US locations may be charged an additional shipping fee depending on the type of shipping service desired.

## Continental Leaders

Category	Call	Score	Category	Call	Score
<b>Africa</b>			<b>North America</b>		
Single Operator Low	EA8/DJ1OJ	1,070,562	Single Operator High	8P5A (W2SC, op)	6,076,998
Single Operator 15 Only	EA8/DL3KVR	91,206	Single Operator Low	VP9/W6PH	3,942,522
<b>Asia</b>			Single Operator QRP	T15N (W8QZA, op)	2,168,400
Single Operator High,	JH4UYB	1,106,484	Single Operator Assisted	V26G (N2ED, op)	4,649,226
Single Operator Low	JI1RXQ	228,438	Single Operator 160 Only	C6ALK (K7RE, op)	107,406
Single Operator QRP	JA2AXB	49,104	Single Operator 80 Only	C6APG (K4PG, op)	198,912
Single Operator Assisted	HSØZDJ	56,160	Single Operator 40 Only	C6AKQ (N4BP, op)	349,575
Single Operator 160 Only	JH2FXK	2,700	Single Operator 15 Only	V31LZ	293,643
Single Operator 80 Only	JA6SHL	14,688	Single Operator 10 Only	JA6WFM/H18	102,750
Single Operator 40 Only	JA1YPA (JA1FDP, op)	85,392	Multiooperator Single	V31TP	4,996,776
Single Operator 20 Only	4X1VF	33,894	Multiooperator Two	V47Z	6,880,923
Single Operator 15 Only	JH3AIU	82,008	<b>Oceania</b>		
Single Operator 10 Only	JA7OWD	90	Single Operator High	KH6NF (KH6SH, op)	921,648
Multiooperator Single	JA2ZJW	847,296	Single Operator Low	KH7X (KH6ND, op @KH6YY)	3,776,175
Multiooperator Two	JA8RWU	1,209,576	Single Operator QRP	N7ET/DU7	14,364
Multiooperator Multi	JA1ZLO	415,776	Single Operator 40 Only	YB2BY	1,131
<b>Europe</b>			Single Operator 20 Only	VK2IA	31,941
Single Operator High	OK1RF	2,721,342	Multiooperator Single	ZM1A	277,650
Single Operator Low	EA7RM	1,881,684	<b>South America</b>		
Single Operator QRP	OM7DX	272,700	Single Operator High	P49Y (AE6Y, op)	5,865,882
Single Operator Assisted	HG3M (HA3MY, op)	2,028,747	Single Operator Low	P40LE (K2LE, op)	1,185,720
Single Operator 160 Only	SN7Q	38,961	Single Operator Assisted	9Y4W (YL2KL, op)	5,922,000
Single Operator 80 Only	GØIVZ	142,890	Single Operator 160 Only	YV5MBX	396
Single Operator 40 Only	IR7G (I7ALE, op)	205,713	Single Operator 80 Only	HC1HC	27,186
Single Operator 20 Only	OH6KN (OH6UM, op)	300,900	Single Operator 40 Only	HK1XX	194,880
Single Operator 15 Only	TM6I (F5MZM, op)	224,790	Single Operator 20 Only	PY2NY	216,282
Single Operator 10 Only	CT1AOZ	8,091	Single Operator 15 Only	PY1KN	233,640
Multiooperator Single	IR4X	2,392,740	Single Operator 10 Only	LU7WW (LU5WW, op)	182,457
Multiooperator Two	CU2M	6,672,960	Multiooperator Single	LR2F	2,761,668
Multiooperator Multi	9A7A	2,951,199	Multiooperator Two	PJ4R	8,070,447
			Multiooperator Multi	PJ2T	9,280,608

second in the category was the KC1XX (NH) team with 6726/567 for 11,440,926. The K3LR (WPA) placed a close third with 6281/596 for 11,230,428 points.

### DX QRP

The DX QRP category featured a runaway win by a US operator operating at an advantageous offshore QTH. Bill, W8QZA, traveled from his home in southern California to Costa Rica to operate **T15N** to a win at the 5 W level. Bill's 2780 QSOs and 260 multipliers were good for 2,168,400 points, a new North American DX QRP scoring record. Eight of the other top 10 positions were filled by European operators, with OM7DX taking 2<sup>nd</sup> place at 272,700 and YT7TY 3<sup>rd</sup> with 252,720. High scores posted from Asia were JA2AXB at 49,104 and Oceania N7ET/DU7 14,364.

### DX Low Power

The plaque for DX Low Power was captured by Kurt, W6PH, who operated from Bermuda as **VP9/W6PH**. This was Kurt's 4<sup>th</sup> consecutive trip to the island for ARRL DX CW and after finishing in the top 5 in the Low Power category in 2002, 2003, and 2004 he was finally able to pull ahead of the pack for a victory with a line score of 4094/321 for 3,942,522 points.

Finishing a close second and third were 2002 DX High Power winner Mike, KH6ND, who operated KH7X from KH6YY's QTH and David, WJ2O, who operated as VP5/WJ2O from Turks & Caicos with 3777 QSOs and 3,546,603 points. The KH7X score represents a new Low Power scoring mark for Oceania, breaking the 1995 record set by KH6RS (NØAX, op).

High European Low Power scorer was 8<sup>th</sup> place finisher Manuel, EA7RM, at

1,881,684. Top South American score was 9<sup>th</sup> place finisher P40LE with Andrew, K2LE, at the key. 10<sup>th</sup> place finisher Heijo, EA8/DJ1OJ, was top African score, and Hiro, JI1RXQ, was #1 Low Power from Asia.

### DX High Power

The Barbados QTH maintained by Tom, W2SC, and his XYL Kathleen, KA1JJR, has posted winning scores in various categories of ARRL DX on both modes. Eight of the previous nine years his QTH has been used to win a category in ARRL DX CW. Tom added to his personal wins in 1998 and 2001 by taking his third win, this time as **8P5A** with 5923 QSOs, 342 multipliers and a total score of 6,076,998 points.

Finishing right on Tom's heels in 2<sup>nd</sup> place was Andy, AE6Y, who operated from Aruba as P49Y. Andy logged 5734 QSOs and 341 multipliers for 5,865,882 points and his third consecutive top 5 finish in the category. Top European scorer for High Power was 8<sup>th</sup> place finisher Jiri, OK1RF, at 2,721,342 points. Asia was led by Masa, JH4UYB, and the top Oceania score was KH6NF, operated by John, KH6SH.

### DX Single Op Assisted

Victory in the DX Single Op Assisted category was had by Latvia's Girt, YL2KL, who operated **9Y4W** from Trinidad & Tobago. Girt's score of 5,922,000 points is also the new overall scoring record for Assisted entries.

A previous holder of the Single Op Assisted record, Ed, N2ED, returned to Antigua to operate V26G to a 2<sup>nd</sup> place finish. Ed's line score of 4682/331 for 4,649,226 is also the new North American continental record, breaking his own previous mark set in 2004.

High European score was 3<sup>rd</sup> place finisher HG3M (HA3NY, op) with 2,028,747. Asian high scorer was HSØZDJ with John, W2YR, as the operator.

### DX Single Band

March on, Bahamaland! The title of the C6A national anthem is also appropriate for the 2005 single band categories where stations operating in the Bahama Islands took the #1 spots on 160, 80 and 40 meters. On 160, it was **C6ALK**—Brian, K7RE, op—taking the top spot with 663/54 for 107,406 points over 2<sup>nd</sup> place finisher KV4FZ at 95,535.

*80 meters:* Kevin, K4PG, operated as **C6APG**, coasting to a solid win at 198,912 points over 2<sup>nd</sup> place finisher Jan, GØIVZ, with 142,890. **C6AKQ**, with Bob, N4BP, in the chair, capped off the Bahamas low band sweep with a *40 meter victory*.

*20 meters* featured all top 5 spots going to European entrants, with Finland's Pasi, OH6UM, operating **OH6KN** to victory in the category with a line score of 1700/59 for 300,900 points. Second place finisher was Poland's SO2R (SP2FAX, op) at 1419/59 for 251,163. Rumen, V31LZ, was our 2005 *15 meter* winner with 1659/59 for 293,643 with Cuba's Eduardo, CO8LY, coming in second at 1448/58 and 251,952 points.

Argentina's Pedro, LU5WW, operated **LU7WW** to victory in the *10 meter* single band category with a very respectable 1067 QSOs under lousy high band conditions. Finishing a close 2<sup>nd</sup> place was Aruba's Joop, P43JB, who made 981 QSOs for 173,637 points.

### DX Multioperator Categories

A trio of WØ hams operated from **V31TP** in Belize to take the top spot in the DX

## Top Ten

US	15	Single Operator Assisted	DX	PY2BRZ	4,089	160
<b>Single Operator HIGH POWER</b>				DL2OM	3,075	C6ALK
VY2ZM (K1ZM,op)	W4NZ	287,196	K11G	6,210,243		KV4FZ
5,382,234	K4FJ	277,632	K3WW	4,674,915		V31YN
KQ2M	W6YA	208,134	W2UP	4,234,194	<b>15</b>	KP4KE (KP3T, op)
4,806,459	K5PTC (N1LN,op)	204,633	K2NG	3,758,976	8P5A (W2SC, op)	C6ALK
N2NT	WB4TDH	171,054	VE3EJ	3,547,047	6,076,998	KV4FZ
4,660,608	K6LL	153,252	AA3B	3,400,800	P49Y (AE6Y, op)	V31YN
K3CR (LZ4AX,op)	N5ZK (W5ASP,op)	N11N	K5NA	2,551,206	5,865,882	66,750
4,366,941	139,608	K5YA	2,863,980	ZF2TJ (N6TJ, op)	CO8LY	CM6RCR
AA1K	K2MFY	104,760	N1EU	2,507,127	TM61 (F5MZN, op)	SN7Q
4,190,670	VE3KZ	57,687	K5TEJ	5,215,392	224,790	OM3GI
K1ZZ	KA7T	56,034	K7BV	4,877,286	9A9A	33,000
K5ZD			FM5BH	2,721,342	F5IN	9A5W
3,782,652			XE1NTT	3,460,800	206,712	4N7ZZ
W3GRF (K0DQ,op)			OK1RF	2,386,782	S51TA	S50U
3,764,988	<b>20</b>		TI3M (TI3TLs, op)	2,386,782	203,019	9Y4W (YL2KL, op)
N2LT	N8II	565,113	DL1IAO	2,230,503	9A1UN	5,922,000
3,687,420	N2MF	524,232	<b>Single Operator Assisted</b>			V26G (N2ED, op)
WC1M	WE2F	465,450	<b>Multioperator Single Transmitter</b>			4,649,226
<b>Single Operator LOW POWER</b>	KD2RD	463,326	W3BGN	4,933,656	OH6KN (OH6UM, op)	HG3M (HA3MY, op)
W1MU	VE6WQ (@ VE6JY)	347,700	K1IR	4,911,984	300,900	2,028,747
2,262,138	K7AO	163,080	K8CC	3,829,032	SO2R (SP2FAX, op)	YT7A (AN7DW, op)
N1UR	W8CZN	149,877	K2QMF	3,669,489	251,163	1,482,468
4,214,900	N9CO	140,904	WT1T	3,627,045	VP9/W6PH	DK3GI
W4PA	K3MD	1,946,754	W5KFT	2,408,076	3,942,522	1,436,400
2,193,720	K9CAN	70,875	WN9O	2,105,760	G3TXF	YR7M (Y09GZU, op)
K7SV	K4RDU	67,233	N3MX	1,394,172	M5X (G4TSH, op)	1,206,498
2,180,820			<b>Single Operator LOW POWER</b>		242,313	PY2EX
KS1J			VP5/WJ2O	3,546,603	9A5E	1,130,364
1,715,604			J6R (K3LP, op)	2,954,130	G3AB	SN8F (SP8FKH, op)
VY2TT (K6LA,op)			PJ7/ND5S	2,758,140	PY2NY	1,058,184
1,665,384	<b>40</b>		J1K1	8,352,432	OH8L (OH8LQ, op)	UU4JMG
KC2NTB	KT3Y	351,090	K1AR	7,386,099	209,391	908,140
1,560,225	K4XS	280,440	W4RM	4,747,263	YZ0Z (YU1ZZ, op)	DJ5MW
W3EF	K7MI	164,472	K0TV	7,830,432	LU1FZR	845,010
1,477,980	K7ME	71,415	W7A (Y4NSU, op)	2,638,128	<b>Multioperator Single Transmitter</b>	
VE1OP	AA4VV	69,360	J88DR	1,975,248	V31TP	4,996,776
1,386,630	K1IM	49,518	H7A (Y4NSU, op)	1,881,684	WP2Z	3,911,487
K2PS	W0ZA	47,613	PJ7/ND5S	1,857,720	LR2F	2,761,668
1,382,832	N7MAL	43,008	K1AR	7,386,099	IR4X	2,392,740
	W9GXR	38,850	W4RM	4,747,263	IR4M	2,339,064
398,088	WA1FCN	37,332	K0TV	7,830,432	OM7M	2,326,023
NA4CW	K7ZQ		W7A (Y4NSU, op)	2,638,128	HA801ARU	
367,632			J88DR	1,975,248	2,294,136	
K2EK	K7RAT (N6TR,op)		H7A (Y4NSU, op)	1,881,684	IR2C	
357,390			PJ7/ND5S	1,857,720	F6KHM	
N7IR	W2ZQ		K1AR	7,386,099	YZ1U	1,376,832
306,138	W6YX	2,132,940	W4RM	4,747,263		
N1TM	<b>80</b>		K0TV	7,830,432		
301,185	W1MK	297,264	W3LPL	11,852,922	<b>Multioperator Two Transmitters</b>	
W6JTJ	KT1V	290,232	KC1XX	11,440,926	CO2JD	200,970
274,758	K9NW	106,938	K3LR	11,230,428	HK1XX	194,880
VA3DF	N2GC	67,275	K1XM	10,167,066	T99W	190,008
265,644	K7RAT (N6TR,op)	65,526	K1TTT	8,965,080	4M5F (YV5GRV, op)	
W9WI	W6YX		K1RX	8,149,386	OM3BH	169,290
248,148	WA1FCN	33,516	NQ4I	7,363,968	S51OI	162,108
K2JT			W2UW	8,264,172	TM4Q	152,376
245,106			DL1MDU	103,014	<b>Multioperator Unlimited Transmitters</b>	
			LZ1UQ	98,226	PJ4R	8,070,447
			LZ2RS	89,760	V47Z	6,880,923
			F6FTB	83,916	CU2M	6,672,960
			<b>Single Operator QRP</b>	102,750	IR0VZ	2,148,078
			P43JB	173,637	OO4UN (ON4UN, op)	
			JA6WFH/H18	182,457	GI1W (G00NWG, op)	
			LW5EE	84,111	135,594	
			PY2XC	9,021	130,728	
			CT1AOZ	8,091	SN3A (SP8NR, op)	
			9A3VM	4,380	EA5RS	
			DL4RX	4,248	97,167	
					HA8FW	
					OM8A (OM3RM, op)	
					92,250	
					9A7A	
					DL1MGB	
					2,951,199	
					UT7L	
					519,690	
					JA1ZL0	
					415,776	

Multioperator, Single Transmitter class, leading 2<sup>nd</sup> place finishers WP2Z by a cool million points. V31TP easily keyed their way to the top spot in the 2005 running with a line score of 5032/331 for 4,996,776 points.

Second place finishers WP2Z operated from the Woodwind villa in the US Virgin Islands rolling along to a total score of 3,911,487 points. Third place team LR2F operating was the high South American scorer at 2,761,668. Fourth place and high European finisher was IR4X. Top Asian M/S entrant was JA2ZZW; top Oceania was ZM1A.

Last year featured a dead heat race in DX Multioperator, Two Transmitter. Seeking to avenge their 2004 4<sup>th</sup> place finish was the **PJ4R** Bonaire team. Adding another op in the 2005 contest and they were rewarded with a #1 finish. Their line score of 7843/343 for 8,070,447 was within striking dis-

tance of the 1999 HC8N category record of 8.4 million. Second place at 6,880,923 was posted by the St Kitts V47Z team. V47Z was also the top finisher for M/2 from North America.

Third place was represented ably by a team of German hams operating from the Azores Islands as CU2M. They topped the existing European record the same operators had set operating as MD/DL3OI from Isle of Man in 2000. Their score of 6,672,960 was well above their previous 4.6 million record score. High Asian Multi-2 score was JA8RWU with 1,209,576

In the battle of the big stations in the DX Multi-Multi category...there wasn't much of a battle. It was the Caribbean Contesting Consortium station of **PJ2T** on Curacao taking the victory by a huge margin over 2nd place finisher and high European scorer 9A7A. The CCC score of 9,280,608 is the new South

## American Multi-Multi record

Coda

Summertime, and a young man's fancy turns to...building antennas and scouring Web sites for cheap airfares and exotic locales. (See, I told you the Internet has affected every aspect of radio contesting!) Somewhere above us, Tennyson is giving a slow disapproving shake of his head for appropriating his famous poem for a contest writeup. Contesting is not a wintertime-only event. True, the operating is mostly in the winter, but those who are competitive are always plotting that next radio upgrade, that new piece of computer hardware, more/bigger/better antennas, new QTHs—the list is endless. The 48 hours in the chair are only the culmination of a year round effort to keep everything going, moving and shaking. These are the “good old days.” Let's enjoy them while we can.

## Scores

Scores are listed by DXCC Countries and ARRL|RAC Sections. Within each Country or Section, scores are listed in descending order, by power categories, followed by multioperator. Line scores list call sign, score, QSOs, multipliers, power (A = QRP, B = Low Power, C = High Power, D = Multioperator), and band.

VE Single Operator		KB1W	126,420	430	98	C	WW2P	28,944	134	72	B	W4LIA	151,200	300	168	B			
1		W1QA (NC1,op)	87,579	263	111	C	K2CS	14,868	84	59	B	N4BCB	97,020	245	132	B			
<b>Connecticut</b>		WB1AEL	29,133	117	83	C	K2NV	1,523,493	1553	327	C	W4DEC	23,175	103	75	B			
N1TM	301,185	485	207	A	NG1I	2,808	24	39	C	K2FU	950,589	969	327	C	K4AGT	12,012	77	52	B
W2JU	818,856	892	306	B	WA1JXR	240	10	8	A	KW2J	279,939	499	187	C	W4NTI	1,872	26	24	B
W1EQ	695,508	958	242	B						WB2HJV	226,953	453	167	C	WA1FCN	37,332	183	68	B
W1JQ	626,400	800	261	B						W2FUI	66,660	202	110	C	K4NVJ	18,645	113	55	A
K1ZE	352,809	537	219	B						W2VO	4,590	45	34	C	K4WI	11,520	96	40	B
N7NG	251,790	385	218	B						NA2X	20,130	122	55	C					
K1RFD	1,914	29	22	B						WW2J	13,158	102	43	B	<b>Georgia</b>				
KO2M	4,806,459	3633	441	C						N2MF	524,232	1618	108	C	K4AQ	33,852	124	91	A
K1ZZ	3,850,344	3027	424	C											K2EWB	20,358	87	78	B
W1WEF	1,016,010	1278	265	C											K4OGG	879,666	1082	271	B
K1BV	459,093	769	199	C											N4NX	385,572	508	253	B
AK1N	432,768	644	224	C											K4LW	148,824	318	156	B
W1QK	355,824	706	168	C											K8CQ	41,448	157	88	B
N4XR	307,104	457	224	C											AE4Y	20,988	106	66	B
W1UK	206,064	324	212	C											AA4GA	14,190	86	55	B
NN1N	195,822	258	253	C											N5VI	8,127	63	43	B
WA1JMP	165,900	350	158	C											W3DCG	6,720	56	40	B
KG1D	143,550	319	150	C											W4BQF	486,990	773	210	C
K1IM	49,518	262	63	C	40										W4RHG	37,668	146	86	C
AA1ZT	4,524	52	29	B	10										K4PIC	192	8	8	C
<b>Eastern Massachusetts</b>																			
NC1C	11,139	79	47	A											AA4LR	720	16	15	B
K1HT	884,520	1092	270	B											K14EGT	2,184	28	26	B
K1EP	593,406	814	243	B											N4PN	19,350	129	50	C
N1DC	406,134	654	207	B															
N3KCJ	288,999	489	197	B															
K1UQT	190,404	369	172	B															
KQ1F	130,092	293	148	B															
N1DS	114,210	270	141	B															
W1BIH	108,564	218	166	B															
WB1FLA	102,966	262	131	B															
AJ1E	44,712	162	92	B															
K1PNQ	23,652	108	73	B															
WG1Z	19,500	100	65	B															
W1OH	15,222	86	59	B															
AA1TV	11,907	81	49	B															
K1GGI	7,254	62	39	B															
AA1O	363	11	11	B															
K2KQ	2,438,748	2316	351	C															
AA1ON	941,160	1265	248	C															
W1FM	245,817	429	191	C															
K5MA	238,140	540	147	C															
N1RR	106,533	267	133	C															
W1HIS	35,235	135	87	C															
W1NR	24,816	94	88	C															
W1MK	297,264	1126	88	C	80														
W7OT	7,569	87	29	B	80														
K1MC	16,050	107	50	B	20														
<b>Maine</b>																			
KV1J	17,550	90	65	A															
W1MU	2,262,138	2083	362	B															
K1SWG	30,624	116	88	B															
N1CGP	2,574	33	26	C	160														
K1PQS	44,370	255	58	C	80														
<b>New Hampshire</b>																			
KA1LMR	168,777	329	171	A															
KN1H	19,278	102	63	A															
KA1LBH	12,513	97	43	A															
AE1T	240,297	463	173	B															
WB1EDI	168,198	289	194	B															
W1END	147,150	327	150	B															
K1NH	85,995	273	105	B															
KB1T	52,452	188	93	B															
WC1M	3,634,536	3044	398	C															
K1DG	2,936,850	2797	350	C															
N1IW	1,947,198	1991	326	C															
W1ECT	1,268,880	1555	272	C															
K2TE	1,089,873	1459	249	C															
KT1V	290,232	1112	87	B	80														
KG1V	38,415	197	65	B	20														
<b>New Hampshire</b>																			
KA2AU	1,971,558	1734	379	C															
W2UDT	212,619	319	379	C															
WR2G	132,240	290	152	C															
K2ESE	99,216	212	156	C															
N2KPB	2,349	27	29	B															
N2JJF	243	9	9	B	40														
K2ALY	34,365	145	79	B															
N2AZ	312,855	215	113	B															
W3DF	245,895	256	125	B															
W3GE	190,185	409	155	C															
W6AAAN	90,945	215	141	C															
W3FQE	11,766	74	53	C															
W3DOS	4,366,941	3331	437	C															
K3TW	519,216	746	232	C															
W3HQ	503,139	679	247	C															
N3KS	351,000	750	156	C															
W3AZ	312,081	539	193	C															
W3DF	245,895	485	169	C															
W9GE	190,185	409	155	C															
W3WHL	1,320	22	20	B															
W3RQF	5,928	52	38	C															
W3VGE	90	6	5	C															
W3FQE	1,320	22	20	B															
W3SO	5,928	52	38	C															
W3WHP	1,320	22	20	B															
K3CR	3,387,798	2918	387	C															
N3UM	1,081,014	1489	242	C															
K3ZO	3,387,798	2918	387	C															
K3VX	242,172	434	186	B															
W7LPF	106,560	240	148	B															
AA3GM	46,851	161	97	B															
W3WH	1,320	22	20	B															
K3CR (LZ4AX,op)	3,387,798	2918	387	C															

5																						
Tennessee	W9WI	248,148	452	183	A	Arkansas	WA5SOG	194,832	369	176	B	Orange	N6HC	494,205	701	235	B	Idaho				
	NU4B	171,216	328	174	A		W5VY	98,229	239	137	B		N6MU	154,350	343	150	B	W7QDM	160,140	340	157	B
	N4UW	9,450	63	50	A		W5RW	20,700	92	75	B		AA6PW	119,574	438	91	B	N7ZN	26,520	130	68	B
	W4TDB	8,721	57	51	A	Louisiana	K5MQ	16,995	103	55	B	40	N6WK	91,008	237	128	B	K7ARJ	4,410	42	35	B
	W4PA	2,193,720	2020	362	B								W6LEN	77,958	213	122	B	KA7T	56,034	283	66	B
	WO4O	644,130	842	255	B	Mississippi							K6EY	64,566	211	102	B	Montana				
	NA4K	423,108	644	219	B								W6NT	19,764	108	61	B	KE7NO	64,050	175	122	B
	WA4OSD	82,764	228	121	B	New Mexico							KQ6ES	18,711	99	63	B	K7ABV	253,818	478	177	C
	AA3VA	81,765	237	115	B		W5KK	81,120	160	169	B		K1USC	9,900	66	50	B	K57T	47,400	158	100	C
	W4NI	53,133	199	89	B		NI5F	159,210	290	183	C		K6UIZ	9,024	64	47	B	K7BG	1,296	24	18	C 160
	K4BX	47,874	158	101	B		N5PA	43,941	151	97	C		N6QQ	99,999	271	123	C	KC7UP	663	17	13	B 20
	KT4AC	36,036	132	91	B		N5PU	3,780	36	35	C		K6LG	31,110	122	85	C					
	W4BCG	29,232	116	84	B		N5FG	363	11	11	C	160	W6SJ	22,869	121	63	C	Nevada				
	WD4PTJ	21,840	91	80	B		WD5BJT	75	5	5	B	160	KG6YAE	5,394	62	29	C	K7XC	9,261	63	49	B
	W4TYU	21,528	104	69	B		W5UE	47,628	294	54	B	15	K6OGO	3,240	36	30	C	WA7CWM	190,950	475	134	C
	K4KO	4,590	45	34	B							W6DCG	47,304	216	73	C	AE7DX	6,699	77	29	B	
	K4TRH	1,872	24	26	B								K7AO	163,080	604	90	C	WB4YDL	163,080	604	90	C 20
	N4ZZ	1,617,360	1840	293	C								K7ACZ	1,512	28	18	B					
	K4RO	1,359,774	1341	338	C		N2IC	2,912,952	2477	392	C		WA6FGV	50,688	176	96	B	Oregon				
	K1GU	1,238,058	1362	303	C		N6ZZ	359,922	538	223	C		W6UM	522,288	624	279	C	N7OU	6,834	67	34	A
	K4LTA	979,836	1142	286	C		K7IA	74,880	195	128	C		WA5VGI	213,000	500	142	C	W3CP	170,190	366	155	B
	W2OO	435,000	625	232	C		KD5JAA	52,200	174	100	C		W7CB	103,275	255	135	C	K17Y	159,456	352	151	B
	K4AMC	313,071	583	179	C		K5TA	14,805	105	47	C	40	W6OUL	3,864	56	23	C	N7VS	20,709	117	59	B
	N4VV	217,308	398	182	C		W5YZ	49,680	240	69	B	15	AC6DD	20,280	130	52	C	K6UM	12,726	101	42	B
	W6UB	126,360	260	162	C							WB6L	19,602	121	54	C	K2DI	10,428	79	44	B	
	N4IR	104,910	269	130	C	North Texas	WA8ZBT	86,022	243	118	A					K7VIT	6,195	59	35	B		
	K4MZ	20,148	92	73	C		W0UO	1,015,560	1092	310	B		N6EM	57,018	221	86	A	K7GK	1,544,598	1614	319	C
	WA4GLH	18,423	89	69	C		WD5K	628,728	782	268	B		K6XM	52,419	173	101	A	K4XU	790,878	1042	253	C
	W4OGG	6,000	50	40	C		N5CHA	132,912	284	156	B		W6IO	43,521	163	89	A	K7RAT	(N6TR,op)			
	N2WN	26,280	146	60	B	80	W5K	17,226	87	66	B		N2YM	75	5	5	A					
	WB4YDL	25,803	141	61	C	80	WA5MUF	1,326	26	17	B		N6NF	104,130	267	130	B	K7MI	164,472	616	89	C
	KE4OAR	7,104	64	37	C	20	WX0B	(AD5Q,op)					K6EP	74,580	220	113	B					
	W4NZ	287,196	1052	91	C	15							K6XX	1,101,276	1236	297	C	Utah				
Virginia	WA4PGM	125,256	307	136	A		K5BG	1,095,192	1148	318	C		AJ6V	36,207	149	81	C	W7HS	9,720	72	45	B
	K4WY	73,500	196	125	A		N5PO	654,696	866	252	C		W0YK	7,524	57	44	C	NN7ZZ	(N5LZ,op)			
	K14FW	34,164	146	78	A		K5LP	103,596	194	178	C		K6OY	29,415	185	53	C	W6ISQ	637,362	957	222	C
	WD4GBW	19,305	117	55	A		K5RX	11,094	86	43	C	160	W6PRI	4,959	57	29	B					
	A12P	18,318	86	71	A		W0VX	34,680	170	68	B	40	AE9F	27,999	183	51	C					
	K4ORD	12,600	75	56	A	Oklahoma						W6ISQ	8,118	66	41	C						
	K2EKM	864	18	16	A		K5TT	243,243	429	189	A		San Diego					Western Washington				
	K7SV	2,180,820	1913	380	B		K5YAA	891,756	1077	276	C		W6NK	267,528	568	157	B	W7VXS	6,882	62	37	A
	K4FPF	715,716	846	282	B		W5TM	65,766	194	113	C		AA6EE	51,408	168	102	B	N7ZW	288	8	12	A
	WB3BEL	598,500	700	285	B		NE0P	693	21	11	B	40	W6MVW	192,510	345	186	C	K7LAZ	102,960	260	132	B
	W4PM	539,352	792	227	B							NF6V	124,509	343	121	C	N6KW	67,725	215	105	B	
	W4XDX	(W0YR,op)										N6TI	30,804	151	68	C	N7LOX	59,220	210	94	B	
												W6YA	208,134	746	93	C	N7RO	104,580	332	105	C	
													W7TSQ	21,780	132	55	B	K7IT	104,160	310	112	C
													W7GTO	21,507	107	67	B					
													N7TT	684,126	927	246	C					
													W6JY	274,758	506	181	A	K7ZA	546,084	788	231	C
													W6YIS	30,528	159	64	B	N6HR	192,765	355	181	C
													KV6K	2,205	35	21	B	N7RO	104,580	332	105	C
													W7TMT	115,230	334	115	B					
													N7LO	306,138	518	197	A					
													W1XT	19,902	107	62	A					
													K8IA	801,624	1016	263	B					
													W7ZMD	140,625	375	125	B					
													NQ7R	79,254	222	119	B					
													KU7Y	19,272	88	73	B					
													W2HTX	14,091	77	61	B					
													KC7V	1,169,268	1402	278	C					
													W7ZR	442,389	617	239	C					
													W7YS	206,172	414	166	C					
													W8AEF	22,032	144	51	C					
													N7MAL	43,008	224	64	B					
													W6XI	26,169	143	61	C					
													W7AYY	4,320	48	30	C					
													N8N8X	912	19	16	B					
													KB7Q	9,855	73	45	B					
													K6LL	153,252	594	86	C					
													Ohio									
													W8VE	160,992	344	156	A					
													N8IE	145,035	293	165	A					
													K8ZT	136,245	293	155	A					
													NO8C	120,768	272	148	A					
													N8WS	12,705	77	55	A					
													N8XA	2,880	32	30	A					
													KV8Q	598,689	731	273	B					

WA8RCN	187,950	350	179	B	N0KM	126	6	7	B	VE3JAQ	411,522	641	214	B	N1JP	267,750	425	210	C	
N8IW	134,994	302	149	B	K0XF	537,972	706	254	C	VA3EC	406,995	631	215	B	W2NRA	265,065	431	205	B	
W8IDM	75,030	205	122	B	W0GG	478,998	598	267	C	VE3DZ	309,540	469	220	B	NJ1F	245,427	377	217	B	
AF8C	72,834	199	122	B	N0VD	409,428	669	204	C	VE3OM	218,925	417	175	B	WA2UBK	163,800	280	195	C	
W8DHG	69,888	182	128	B	K0UK	395,715	713	185	C	VE3XAT	177,606	299	198	B	N2FF	160,212	316	169	B	
K8ATQ	56,580	164	115	B	K0RI	254,592	416	204	C	VE3FH	140,580	284	165	B	AJ3K	150,804	354	142	C	
NZ8J	55,770	169	110	B	W0ZP	125,208	282	148	C	VE3EBN	104,520	268	130	B	WB2TPS	143,616	272	176	C	
KD8RB	37,074	167	74	B	KT5E	71,415	345	69	C 40	VE3RCN	67,965	197	115	B	N2BC	57,330	147	130	C	
WQ8Q	28,782	123	78	B	W0ZA	47,613	269	59	C 40	VE3TW	36,984	134	92	B	K2UT	52,038	147	118	B	
W8EFA	25,398	102	83	B	KJ0G	46,656	243	64	C 15	VA3HUN	35,604	138	86	B	WA3RHW	35,991	129	93	B	
KC8UDV	7,050	50	47	B						VE3FU	14,868	84	59	B	NA2NA	30,360	110	92	C	
W8PN	193,800	380	170	C	<b>Iowa</b>															
K8VUS	54,780	166	110	C	K0CF	161,352	332	162	B	VE3AT	3,619,494	2859	422	C		<b>3</b>				
K1LT	13,965	95	49	C	K6MJ	97,236	219	148	B	VE3CR	475,416	639	248	C	K3WW	4,674,915	3395	459	C	
K8RT	3,552	32	37	C	WA0IAF	26,676	114	78	B	VE3XN	263,886	427	206	C	W2UP	4,234,194	3186	443	C	
NS8O	720	16	15	C	KB0SK	18,666	102	61	B	VA3NR	68,094	194	117	C	AA3B	3,400,800	2725	416	C	
W8CZN	149,877	549	91	C 20	K0XD	7,956	51	52	B	VE3OBU	26,880	112	80	C	WE3C	2,290,317	1747	437	C	
W8GOC	44,220	220	67	B 20	K0CRG	7,452	54	46	B	VE3OSZ	4,836	52	31	B 160	K3OO	2,133,504	1852	384	C	
<b>West Virginia</b>																				
N8IY	118,026	249	158	A	W0WOI	12,699	83	51	B 40	VE3UKR	33,480	186	60	B 15	NN3Q	1,955,541	1757	371	C	
K3XO	758,172	943	268	B	W0ETC	48,816	226	72	C 20	VA3RJ	14,445	107	45	B 15	N3AM	1,567,170	1583	330	C	
KC8ZQS	38,352	136	94	B	<b>Kansas</b>															
N4ZR	2,183,040	2274	320	C	W0EB	29,928	116	86	A	VE4YU	94,770	243	130	B	Manitoba	1,186,704	1206	328	C	
K2UOP	464,913	603	257	C	WB0VJT	5,265	45	39	A	VE5UF	108,108	252	143	B	W3GG	1,158,624	1296	298	C	
N8II	565,113	1667	113	C 20	WN8P	42,471	143	99	B	VE6GJ	4,860	45	36	B	K3ND	1,133,136	1098	344	C	
K8OWL	900	20	15	C 10	KC0DEB	13,440	70	64	B	VE5SF	127,449	357	119	B	N3NA	1,036,296	1167	296	C	
<b>9 Illinois</b>																				
N9IJ	26,196	118	74	A	K0SG	155,952	304	171	B	VE5SAM	20,022	94	71	B	K2PLF	1,517,292	1561	324	C	
KK9A	1,363,554	1329	342	B	WS4Y	30,504	124	82	C	VE5CPU	18,816	98	64	C	K3SV	1,186,704	1206	328	C	
K9QVB	806,436	1026	262	B	<b>Minnesota</b>															
K2AAW	551,889	689	267	B	N0UR	161,367	361	149	A	VE6WQ (@ VE6JY)	347,700	1159	100	C 20	Saskatchewan	771,324	796	323	C	
WA9Z	288,900	450	214	B	K0UU	9,120	80	38	A	VE6GJ	108,108	252	143	B	N3ZA	746,928	684	364	C	
K9JE	281,106	483	194	B	KE0G	9,000	60	50	A	VE6WQ	4,860	45	36	B	K3NM	746,928	684	364	C	
K9MMMS	244,800	400	204	B	N0FP	255,498	439	194	B	VE6WQ	121,980	357	119	B	W2CD0	632,688	784	269	C	
K9UIY	239,976	404	198	B	AC0W	165,636	321	172	B	VE6WQ	20,022	94	71	B	N3CW	575,400	700	274	C	
W9IL	131,076	331	132	B	K0SQ	155,952	304	171	B	VE6TN	293,715	535	183	B	N3NR	488,376	612	266	C	
KA6A	80,712	228	118	B	NA0N	106,533	267	133	B	VE6UO	108,108	252	143	B	N3HUV	443,118	598	247	C	
W9LYA	41,097	133	103	B	N0BU	90,558	234	129	B	VE6WQ	4,860	45	36	B	N3KN	423,828	579	244	C	
K9XL	39,339	141	93	B	N0UQ	31,590	130	81	B	VE6WQ	121,980	357	119	B	K3CP	96,114	193	166	C	
N9LYE	19,044	92	69	B	W0QQS	25,086	113	74	B	VE6WQ	20,022	94	71	B	KB3MP	92,583	243	127	B	
NE9A	2,025	25	27	B	N0EO (AA0AW,op)	1,604	113	74	B	VE6WQ	121,980	357	119	B	KW3F	47,232	164	96	B	
WD9DCW	1,134	21	18	B	W0HCH	22,866	103	74	B	VE6WQ	121,980	357	119	B	KD3EM	12,096	64	63	B	
K9ZO	501,921	651	257	C	K0KGS	8,004	58	46	B	VE6WQ	121,980	357	119	B	4U1WB (AJ3M,op)	9,858	62	53	C	
W3HDH	157,950	325	162	C	K0SR	1,512,135	1461	345	C	VE7CA	70,266	239	98	C	WR3L	6,510	62	35	B	
AB9H	108,486	246	147	C	WA0MHJ	566,124	764	247	C	<b>Alberta</b>										
WB9AYW	2,592	32	27	C	W0ML	170,820	365	156	C	VE6TN	293,715	535	183	B	N3HUV	443,118	598	247	C	
K9DX	28,362	163	58	C 160	W0HW	90,843	283	107	C	VE6UO	108,108	252	143	B	N3KN	423,828	579	244	C	
NI0G	22,152	142	52	C 80	K0NV	80,883	209	129	C	VE6WQ	4,860	45	36	B	K3CP	96,114	193	166	C	
N9CO	140,904	618	76	C 20	W0ZQ	17,388	92	63	C	VE6WQ	121,980	357	119	B	KB3MP	92,583	243	127	B	
W9WJ	13,650	91	50	B 20	K0TT	15,000	100	50	C 80	VE6WQ	121,980	357	119	B	KW3F	47,232	164	96	B	
K9EW	1,638	26	21	A 20	WB0HCH	14,508	93	52	C 40	VE6WQ	121,980	357	119	B	4U1WB (AJ3M,op)	9,858	62	53	C	
KG9N	39,102	266	49	C 15	<b>Missouri</b>															
K9NU	19,875	125	53	B 15	N0LY	25,347	119	71	A	VE6WQ	88,374	119	262	C	VE6WQ	121,980	357	119	C	
W9VQ	9,933	77	43	B 15	KU1CW	2,520,606	1991	422	C	VE6WQ	121,980	357	119	B	VE6WQ	121,980	357	119	C	
WD9DZV	8,778	77	38	B 10	K0OU	389,949	599	217	C	VE6WQ	121,980	357	119	B	VE6WQ	121,980	357	119	C	
<b>Indiana</b>																				
NV9Z	8,742	62	47	A	K0DEQ	153,714	374	137	C	VE6WQ	121,980	357	119	B	VE6WQ	121,980	357	119	C	
N9SV	4,257	43	33	A	W0TY	42,081	169	83	C	VE6WQ	121,980	357	119	B	VE6WQ	121,980	357	119	C	
N4TZ	1,171,008	1216	321	B	K2HT	816	17	16	B 80	VE6WQ	121,980	357	119	B	VE6WQ	121,980	357	119	C	
K1TN	196,560	360	182	B	<b>North Dakota</b>															
WG9C	73,500	196	125	B	VOXV	8,217	83	33	C 20	VE6WQ	121,980	357	119	B	VE6WQ	121,980	357	119	C	
K9WJU	7,920	55	48	B	VE6WQ	8,217	83	33	C 20	VE6WQ	121,980	357	119	B	VE6WQ	121,980	357	119	C	
KF9SQ	5,217	47	37	B	VE6WQ	8,217	83	33	C 20	VE6WQ	121,980	357	119	B	VE6WQ	121,980	357	119	C	
NE9T	396	12	11	B	VE6WQ	8,217	83	33	C 20	VE6WQ	121,980	357	119	B	VE6WQ	121,980	357	119	C	
KA9F	109,254	262	139	C	W0KT	38,493	141	91	B	VE6WQ	121,980	357	119	B	VE6WQ	121,980	357	119	C	
K9NW	106,938	457	78	C 80	WN0L	37,989	189	67	C 15	VE6WQ	121,980	357	119	B	VE6WQ	121,980	357	119	C	
N9LJX	36,672	191	64	B 15	VE6WQ	5,382,234	3978	451	C	VE6WQ	121,980</td									

K6EU	50,196	178	94	B	N3MX (+K3YD) 1,394,172 1324 351 C	K3II (+K3VA, K3CT) 2,654,022 2179 406 C	JF2RCX 9,984 104 32 B		
N6NC	48,546	174	93	C	N3BNA (+W3EEE) 584,442 822 237 C	WA6O (N6RO, WX5S @ N6RO) 2,187,081 2077 351 C	JA2KPV 9,603 97 33 B		
W6SZG	37,800	126	100	C	4	W3CF (+ KM9M) 1,012,698 1329 254 C	JA6AKW 8,586 106 27 B		
K6GT	31,200	130	80	C	N4AU (+K4IZN) 256,620 455 188 B	7N4CL1 6,324 62 34 B			
W6SC	22,680	108	70	C	5	W5WMU (+N5SYF) 749,766 899 278 C	JA4BAA 6,318 78 27 B		
W1MVY	19,110	98	65	B	291,510 395 246 C	JA1HTG 6,300 75 28 B			
KI6VC	5,940	55	36	B	W2VW (+W2OF) N2VW 291,510 395 246 C	JA2KPW 5,568 64 29 B			
<b>7</b>							JA9RO 5,472 57 32 B		
W7GG	1,140,489	1263	301	C	5	DX	JH1FNU 4,779 59 27 B		
K7NV	1,125,297	1289	291	C	W5KFT (K5PI, K5OT, ops) 2,408,076 2027 396 C	Single Operator	JJ4PPK 3,600 60 20 B		
K7OX	595,884	782	254	C	W5EA (K5MC, K5QK, ops) 352,152 438 268 C	Africa	JA1FRQ 3,564 54 22 B		
KG7H	503,931	697	241	C	7	Madeira Islands	JA1TCF 2,706 41 22 B		
W7RN (K5RC, op)	396,024	569	232	C	CT3BD 82,353 283 97 B	7J1AIL 2,337 41 19 B			
W7CT	265,359	449	197	C	CT3EE 28,710 145 66 B	JP1QDH 2,280 38 20 B			
WA7LNU	139,101	233	199	C	K0TO (+NT4TT) 272,823 431 211 C	JA4AQR 594 18 11 B			
W7VP	119,700	300	133	C	8	Canary Islands	JA1GSQ 513 19 9 B		
N6MZ	100,890	295	114	B	K8CC (+K8BB, KK8I, W8LU, W8MJ) 3,829,032 2799 456 C	JA7ARW 312 13 8 B			
N7J1	76,590	222	115	C	EA8/DJ1OJ1,070,562 1579 226 B	JH4UYB 1,106,484 1748 211 C			
K7KAR	68,742	201	114	C	EA8ASJ 643,245 1159 185 B	JE1CKA 627,708 1156 181 C			
KA7KUZ	33,228	142	78	B	EA8NQ 64,800 270 80 B	JA0QNJ 562,623 1213 167 C			
K7KR	28,080	130	72	B	EA8/DL3KVR 91,206 563 54 B	J12KWW 484,704 1056 153 C			
AB7CF	6,930	55	42	B	EA8AY 6,930 77 30 B	JA1JKG 338,772 763 148 C			
W7SST	6,270	55	38	B	WN9O (+W9IU) 2,105,760 1712 410 C	JAD7LE 257,760 716 120 C			
<b>8</b>					N9JF (+KB9CES) 140,358 298 157 B	JA2FSM 103,788 372 93 C			
W8AV	2,116,641	1637	431	C	0	JF2QNM 71,394 326 73 C			
K8JM	428,031	573	249	C	W0KU (+W0RER) 23,391 113 69 C	ZS1EL 362,610 790 153 B			
N8KM	396,144	504	262	C	VE6AO (VE6GJ, 4F2IR, VE6KC, VE6CNU, VE6EX, ops) 131,868 333 132 C	ZS1AN 117,549 353 111 B			
K5ZG	348,975	495	235	C	4	ZS1AJS 92,856 292 106 B			
AJ1M	287,742	434	221	B	W0KU (+W0RER) 23,391 113 69 C	CT3BD 82,353 283 97 B			
N8TR	244,512	283	288	C	VE6AO (VE6GJ, 4F2IR, VE6KC, VE6CNU, VE6EX, ops) 131,868 333 132 C	ZS1AN 117,549 353 111 B			
W8FAX	237,573	419	189	C	4	ZS1AJS 92,856 292 106 B			
K8BL	2,856	34	28	B	W0KU (+W0RER) 23,391 113 69 C	CT3BD 82,353 283 97 B			
<b>9</b>					Multioperator Two Transmitters	CT3EE 28,710 145 66 B			
WB9Z	1,344,660	1228	365	C	K1KI (+K1CC, KM1P, W1CU, W1RM) 8,352,432,5273 528 C	JL3JTD 15,660 116 45 C			
W9XT	1,328,643	1269	349	C	N3RS (+N3RD, N3ED, N2SR, W8FJ) 7,830,432 5088 513 C	JA1CSB 15,087 107 47 C			
W9RM	435,690	515	282	B	K1AR (+K1EA) 7,386,099 4837 509 C	JL1DUE 8,820 98 30 C			
N2BJ	392,916	548	239	C	KB1H (+K1EBY, NB1U, N1GKI, N4XR, N1NK, AA1CE, K1IN, KA1MM) 5,564,880 3930 472 C	J71ABD 5,265 65 27 C			
K9UQN	383,136	614	208	C	W4RM (+W4NF, K4EC, K1SE, AC5RR, NN3W, W7IY)	JA1FWY 3,525 47 25 C			
K9OR	160,167	263	203	B	K0TV (+K1BG, K1HI, K2TE, W1MJ) 4,747,263 3869 409 C	JF9JTS 528 16 11 C			
N9MR	41,265	131	105	B	4,680,450 3467 450 C	JH2FXK 2,700 45 20 C			
W9IND	24,453	143	57	C	VE1JF (+VE1AI, VE1AWP, VE1JS, VE1NB, VE1QD, VE1RGB, NY1S, VE2AYU) 4,575,144 3374 452 C	JF2QNM 71,394 326 73 C			
N9BT	23,625	105	75	B	W6YI (+K6AM, N6MJ, N6KI) 3,075,168 2488 412 C	9V1GO 12,255 95 43 B			
K9OSH	11,550	70	55	B	W2ZQ (K2QM, WW2Y, ops) 2,614,617 2229 391 C	9V1YC 145,080 520 93 C			
AD9T	10,890	66	55	B	W6YX (K6UFO, KJ9U, W6LD, N7MH, K6OWL, AA6XW, V6KNS, ops) 2,132,940 1871 380 C	Oman 136,032 416 109 B			
KB9KEG	3,045	35	29	C	NK7U (+W2VJN) 1,769,712 1603 368 C	A45WD (Y09HP, op) 136,032 416 109 B			
N9XR	2,610	30	29	B	W6OAT (+K2RD, ND2T @ K6IDX) 1,537,731 1521 337 C	JH1GVDY 336 14 8 B			
<b>0</b>					K3DI (+W3U3L) 1,482,549 1493 331 C	JA1DDH 342 19 6 B			
K0KX	1,756,080	1626	360	C	W8ZA (+K3TX, K8OQL, WD3A) 1,470,942 1311 374 C	JH1GSHL 14,688 36 30 C			
N0AT	1,075,248	1048	342	C	VE7UF (+VA7LC, VE5DX, VE7FO, VE7RG, VE7NS) 973,248 1184 274 C	JO7KMB 3,021 53 19 C			
NOYY	808,704	832	324	C	W3XB (+N3FX, N3SB) 437,580 561 260 C	JM1LDP 2,832 59 16 B			
K0CA	374,220	495	252	C	VE1JF (+VE1AI, VE1AWP, VE1JS, VE1NB, VE1QD, VE1RGB, NY1S, VE2AYU) 4,575,144 3374 452 C	J1YPA (JH1FDP, op) 85,392 593 48 C			
AE9B	271,341	413	219	C	W6YI (+K6AM, N6MJ, N6KI) 3,075,168 2488 412 C	JH1SPY 1,302 31 14 C			
K7TR	263,736	396	222	C	W2ZQ (K2QM, WW2Y, ops) 2,614,617 2229 391 C	JH1DDH 342 19 6 B			
K0OB	249,402	422	197	C	W6YX (K6UFO, KJ9U, W6LD, N7MH, K6OWL, AA6XW, V6KNS, ops) 2,132,940 1871 380 C	JH1GVDY 336 14 8 B			
K0PC	231,054	397	194	C	NK7U (+W2VJN) 1,769,712 1603 368 C	JA1BVA 75 5 4 A			
W0TT	174,858	302	193	C	W6YX (K6UFO, KJ9U, W6LD, N7MH, K6OWL, AA6XW, V6KNS, ops) 2,132,940 1871 380 C	J1DKL 72 6 4 B			
AB0RX	162,540	315	172	B	W6YX (K6UFO, KJ9U, W6LD, N7MH, K6OWL, AA6XW, V6KNS, ops) 2,132,940 1871 380 C	JA1DCL 3 1 B			
N0HJZ	47,916	132	121	B	W6YX (K6UFO, KJ9U, W6LD, N7MH, K6OWL, AA6XW, V6KNS, ops) 2,132,940 1871 380 C	JA1NLX 12,495 119 35 B			
K0BX	45,924	178	86	C	W6YX (K6UFO, KJ9U, W6LD, N7MH, K6OWL, AA6XW, V6KNS, ops) 2,132,940 1871 380 C	JH5HXU 600 20 10 B			
K5OT	31,248	124	84	B	W6YX (K6UFO, KJ9U, W6LD, N7MH, K6OWL, AA6XW, V6KNS, ops) 2,132,940 1871 380 C	JA6BIF 540 20 9 B			
K0C0RET	25,038	107	78	C	W6YX (K6UFO, KJ9U, W6LD, N7MH, K6OWL, AA6XW, V6KNS, ops) 2,132,940 1871 380 C	JA6KXT 432 16 9 B			
KE0L	17,253	81	71	C	W6YX (K6UFO, KJ9U, W6LD, N7MH, K6OWL, AA6XW, V6KNS, ops) 2,132,940 1871 380 C	JM2FCJ 180 10 6 B			
K0COM	9,027	59	51	C	W6YX (K6UFO, KJ9U, W6LD, N7MH, K6OWL, AA6XW, V6KNS, ops) 2,132,940 1871 380 C	JE1KDM 72 6 4 B			
VO1HP	930,672	1104	281	C	W6YX (K6UFO, KJ9U, W6LD, N7MH, K6OWL, AA6XW, V6KNS, ops) 2,132,940 1871 380 C	JA1DCL 3 1 B			
VE3EJ	3,547,047	2521	469	C	W6YX (K6UFO, KJ9U, W6LD, N7MH, K6OWL, AA6XW, V6KNS, ops) 2,132,940 1871 380 C	JA1NLX 12,495 119 35 B			
VE3XB	1,077,597	1119	321	B	W6YX (K6UFO, KJ9U, W6LD, N7MH, K6OWL, AA6XW, V6KNS, ops) 2,132,940 1871 380 C	JH2BDK 10,815 103 35 C			
W1AJT/VE3	655,854	778	281	C	W6YX (K6UFO, KJ9U, W6LD, N7MH, K6OWL, AA6XW, V6KNS, ops) 2,132,940 1871 380 C	JA1GVDY 8,613 87 33 C			
VE3RZ	231,636	388	199	B	W6YX (K6UFO, KJ9U, W6LD, N7MH, K6OWL, AA6XW, V6KNS, ops) 2,132,940 1871 380 C	E21EIC 27 3 3 B			
VE3JM	95,130	302	105	C	W6YX (K6UFO, KJ9U, W6LD, N7MH, K6OWL, AA6XW, V6KNS, ops) 2,132,940 1871 380 C	HS0AC (OZ1HET, op) 5,070 65 26 B			
VE5MX	74,772	186	134	B	W6YX (K6UFO, KJ9U, W6LD, N7MH, K6OWL, AA6XW, V6KNS, ops) 2,132,940 1871 380 C	JO7KMB 3,021 53 19 C			
VE6RST	419,421	557	251	C	W6YX (K6UFO, KJ9U, W6LD, N7MH, K6OWL, AA6XW, V6KNS, ops) 2,132,940 1871 380 C	JM2RUV 44,133 313 47 B			
WE6DXD	18,870	85	74	C	W6YX (K6UFO, KJ9U, W6LD, N7MH, K6OWL, AA6XW, V6KNS, ops) 2,132,940 1871 380 C	JA1HGX 5,016 76 22 B			
<b>Multioperator Single Transmitter</b>									
<b>1</b>					Multioperator Unlimited Transmitters	JA6BGA 2,592 48 18 C			
K1IR (+K1LZ, K1OA, K1VR, W1VE)	4,911,984	3544	462	C	W3LP (+K1HTV, K3EST, K3KU, AI3M, N3OC, K3RA, K3RV, W3UR, WR3Z, W3ZZ, KD4D) 11,852,922 6574 601 C	JH2FXK 2,700 45 20 C			
WT1T (K1TWF, WO1N, ops)	3,627,045	3015	401	C	K1CX (WA1Z, W1FV, K6W, K1GQ, N2AA, KFB3, KM3T, AD1C, ops) 11,440,926 6726 567 C	JF2QNM 71,394 326 73 C			
W1MX (K2TJ, HB9IQB, KF2VW, N2YIC, WG1Z, ops)	457,710	730	209	C	K1CNK (+K3UD, W1FJ, W1KM, WA1S) 11,230,428 6281 596 C	9V1GO 12,255 95 43 B			
N2OT (+WB2EPQ)	455,625	675	225	C	W1TTF (+K1MK, K2WR, N2KW, N2OW, NT2X, NT2Y, W1TO, W2GB) 8,965,080 5534 540 C	JH1GVDY 71,589 487 49 C			
N1SR (KX1X, W1MJB)	5,676	44	43	C	W2FU (+N2PP, K2AXX, K0SM, WB2DVF, K1PY, N2CU, WB2ABD, K2TER, K2QO, ops)	JH1GSHL 14,688 429 49 B			
<b>2</b>					K1RX (+K1F, K1EO, K1FOO, N1IX, W1AAX) 8,264,172 5318 518 C	JH1GVDY 71,589 487 49 C			
K2QMF (+AA2FB)	3,669,489	2799	437	C	W1AJP (+K1F, K1EO, K1FOO, N1IX, W1AAX) 8,149,386 5194 523 C	JH1GVDY 71,589 487 49 C			
AB2DE (+N2KPB)	299,871	429	233	C	W1AJP (+K1F, K1EO, K1FOO, N1IX, W1AAX) 8,264,172 5318 518 C	JH1GVDY 71,589 487 49 C			
K2YEH (+K2CDJ)	94,395	217	145	B	NQ4I (+K2UFT, K4BAI, VE7ZQ, W4DD, W7FB, WI4R)	JH1GVDY 71,589 487 49 C			
<b>3</b>					NY4A (K2AV, K4QPL, N4AF, WJ9B, ops) 7,363,968 4832 508 C	JH1GVDY 71,589 487 49 C			
W3BGN (+K2TW, NO2R)	4,933,656	3514	468	C	JH1GVDY 71,589 487 49 C	JH1GVDY 71,589 487 49 C			
K3MD (+AB3AX)	1,946,754	1773	366	C	N3AD (+K3IP1, K3ZV)	JH1GVDY 71,589 487 49 C			
NE3F (+K3ATO)	1,533,630	1526	335	C	5,378,688 3864 464 C	JH1GVDY 71,589 487 49 C			

RU0AW	23,328	162	48	C	DL8MUG	45,171	239	63	B	EA5AFP	218,889	603	121	B	England	G0DCK	111,708	348	107	A	
UA9KM	8,694	69	42	C	DL1SAN	42,435	205	69	B	EA2AYD	178,959	493	121	B	G4ZME	4,368	52	28	A		
RU0AT	7,347	79	31	C	DK5ZX	37,422	198	63	B	EA5EOH	156,960	436	120	B	G0LZL	215,082	569	126	B		
RX9SN	675	15	15	C	DL1RTL	34,440	164	70	B	EA1CBX	147,447	381	129	B	G3KKP	190,890	505	126	B		
RW0LZ	360	20	6	C	DF6QC	32,370	166	65	B	EA7GV	147,339	459	107	B	M3CVN	133,920	465	96	B		
RX9TX	1,890	35	18	C	40	DL1DM	30,444	172	59	B	EA1CS	114,798	361	106	B	G0UKX	82,992	304	91	B	
UA0SC	780	20	13	B	40	DL8UFG	29,892	188	53	B	EA3KU	102,573	393	87	B	G3RSD	67,914	231	98	B	
UA9MQR	108	6	6	B	40	DL7UXG	27,081	153	59	B	EA5GX	99,372	364	91	B	G3KNU	47,064	212	74	B	
RA0QC	32,535	241	45	C	20	DL8HCO	26,169	143	61	B	EA3BHK	89,775	315	95	B	G3KMQ	17,316	111	52	B	
RK0UT	24,840	180	46	C	20	DL9UJF	26,019	147	59	B	EA2AZ	84,258	302	93	B	G0HIO	44,892	172	87	B	
RT9W	13,500	125	36	C	20	DL5CD	23,244	149	52	B	EA7CA	49,692	202	82	B	G0MRH	30,195	165	61	B	
RU9WZ	12,765	115	37	B	20	DL8UVG	21,252	154	46	B	EA5VN	48,888	194	84	B	G4VXE	29,376	153	64	B	
RA9KM	11,880	99	40	B	20	DK2BJ	21,060	135	52	B	EA1DGG	35,088	172	68	B	G4XXI	26,520	170	52	B	
RA9XU	10,716	94	38	B	20	DL1DVN	19,278	119	54	B	EA5KV	32,436	159	68	B	G3WRR	16,587	97	57	B	
UA9OW	7,896	94	28	B	20	DL3FCG	18,954	117	54	B	EA7NW	27,258	154	59	B	G0AEK	15,510	110	47	B	
UA0SAD	6,570	73	30	B	20	DL2MM	16,611	113	49	B	EA3GP	22,860	127	60	B	G0IDE	12,420	90	46	B	
UA9FM	5,832	81	24	C	20	DL5AZZ	16,470	122	45	B	EA4IE	18,954	117	54	B	G2HDR	6,612	76	29	B	
RA9FLW	4,761	69	23	B	20	DL9AWI	14,256	108	44	B	EA4OA	14,664	104	47	B	G/V3EVO	5,994	54	37	B	
UA9LAC	2,376	44	18	C	20	DL5ANS	14,241	101	47	B	EA1FBJ	6,336	66	32	B	G3ZRJ	5,310	59	30	B	
RA9AC	1,836	34	18	B	20	DL6FBK	12,672	96	44	B	EA7AAE	108	6	6	B	G3KQK	3,306	38	29	B	
RX9FB	1,296	27	16	B	20	DL6ZNG	12,384	86	48	B	EA5FV	1,864,863	2691	231	C	G4BUO	2,117,043	2643	267	C	
UA0AKY	1,224	24	17	C	20	DL2FCA	11,934	102	39	B	EA4BQ	50,220	180	93	C	G3XTT	712,368	1224	194	C	
RW9QA	726	22	11	B	20	DL2NBY	10,692	99	36	B	EA5RS	97,167	661	49	C	G0WKW	591,201	1209	163	C	
<b>Kazakhstan</b>																					
UN5J	22,644	148	51	C	DL1ARD	9,324	84	37	B	EA1FD	89,250	595	50	C	G4RCG	177,072	476	124	C		
UN4PG	1,125	25	15	B	40	DL8CA	7,992	72	37	B	EA4AYD	6,399	79	27	B	G4KFT	144,828	447	108	C	
UN6LN	14,985	135	37	C	20	DL5KUR	7,638	67	38	B	EA3IW	5,538	71	26	A	G4HZV	124,956	356	117	C	
UN7GCE	7,029	71	33	C	20	DL5FCO	7,038	69	34	B	EA2LU	66,456	426	52	C	G4UF	68,244	242	94	C	
UN4PD	5,046	58	29	B	20	DL1RTS	6,435	65	33	B	EA4BF	16,317	147	37	B	G3NKS	57,816	219	88	C	
<b>Hong Kong</b>																					
VR2BG	215,604	636	113	C	DL2DYL	1,920	32	20	B	EA4KR	102,087	597	57	C	G0VZ	142,890	866	55	C	80	
<b>India</b>																					
VU2UR	528	16	11	B	20	DL7VRG	1,092	26	14	B	EA7KJ	32,076	243	44	B	G4DBL	14,790	145	34	C	40
<b>Iraq</b>																					
YI9VCQ	9,720	81	40	B	20	DL7FA	720	16	15	B	EA2BOV	28,890	214	45	B	M0BPQ	3,591	63	19	A	40
<b>UK Sov. Base Areas on Cyprus</b>																					
ZC4LI	49,020	380	43	B	15	DL1AOA	2,230,503	2827	263	C	EA6NB	129,240	359	120	B	G3AB	219,936	1264	58	C	20
<b>Europe</b>																					
<b>Croatia</b>																					
9A3TU	107,532	348	103	B	20	DL1YD	744,594	1286	193	C	DJ9RR	297,975	725	137	C	E3AJ	114,444	374	102	C	15
9A7P (9A6XX, op)	74,907	287	87	B	20	DL6UNF	154,584	456	113	C	DJ1TA	149,920	208	80	C	ES2DJ	43,740	180	81	C	80
<b>Portugal</b>																					
CS1GDX (CT1DRB, op)	129,150	350	123	B	20	DL1GLH	75,051	269	93	C	EA5QB	11,970	133	30	B	Estonia	11,975	219	45	B	15
CT4DX	9,672	104	31	B	20	DL2SL	71,760	260	92	C	DL1AQ	10,953	123	30	B	EA1AJ	114,444	374	102	C	80
CT7B (CT1ILT, op)	193,230	1130	57	C	15	DL5FU	62,517	229	91	C	DL2RUG	5,850	78	25	B	ES2DJ	32,856	296	37	C	80
CT1BQH	26,400	220	40	B	15	DK2GZ	3,168	48	22	C	DK7AN	3,208	44	19	B	ES5MC	32,856	296	37	C	80
CT1AOZ	8,091	93	29	B	10	DF6AA	1,224	24	17	C	DK8JH	1,053	27	13	B	ES5RQX	145,671	823	59	C	80
<b>Azores</b>																					
CU2JT	120,285	729	55	B	40	DK5AU	81,120	355	48	C	DK1BN	82,998	522	53	C	EW1AZ	5,037	73	23	C	80
<b>Fed. Rep. of Germany</b>																					
DL1MDU	103,014	354	97	A	20	DL5JS	9,153	113	27	C	DL9NEI	20,808	204	34	C	EW1KT	76,560	290	88	B	15
DL6MHT	19,125	125	51	A	20	DL6FCB	8,748	108	27	B	DL3DXX	73,968	536	46	C	EW4MDC	12,555	93	45	B	80
DL2WRJ	11,280	80	47	A	20	DL5NDX	7,560	105	24	B	DL7BY	71,001	483	49	C	EW7KR	29,565	219	45	B	15
DL2BQD	4,929	53	31	A	20	DL2QZP	6,525	87	25	B	DK7GH	6,251	229	91	C	EW3LN	73,245	257	95	C	80
DL1LAW	4,176	48	29	A	20	DL5KUT	3,933	69	19	B	DK2GZ	4,176	44	19	B	EW2AA	66,834	282	79	C	80
DL3BVA	1,305	29	15	A	20	DL5BUE	101,472	604	56	C	DK1AQ	2,508	44	19	B	EU1AR	1,197	133	30	B	15
DK3LT	339,714	699	162	B	20	DL5NDX	59,400	360	55	C	DL7FER	5,655	87	25	B	EU1AZ	5,037	73	23	C	80
DL9ZP	159,045	461	115	B	20	DL7BY	48,528	337	48	B	DK7HN	159,045	699	162	B	EW8DX	25,155	215	39	B	20
DK9TN	124,695	489	85	B	20	DL7NS	40,278	274	49	C	DK2GZ	351	13	9	B	EV6Z	3,600	50	24	B	20
DK4WF	123,444	381	108	B	20	DK2RG	8,019	81	33	B	DK1BN	81,120	355	48	C	EU1AI	1,602	374	41	B	15
DK5DQ	122,928	394	104	B	20	DL2KDW	4,144	314	44	B	DL3BRA	20,424	184	37	B	EW6CU	9,570	220	29	A	15
DL4CF	118,770	370	107	B	20	DL1AZA	48	4	4	B	DL5KUD	3,528	56	21	A	EW6CZ	33,666	181	62	B	80
DL5KUD	116,280	340	114	B	20	DL5NDX	13,720	832	55	C	DL7FER	1,072	102	35	B	EW5LJ	18,634	142	19	B	80
DL3ZAI	108,600	362	100	B	20	DK8RE	7,308	84	29	B	DK7HN	12,330	784	57	C	EW8DP	126,672	377	112	C	80
DK7ZH	106,920	360	99	B	20	DF3SM	5,655	65	29	A	DK2GZ	121,338	749	54	C	EW5QF	79,032	296	89	B	80
DJ2ZS	97,344	312	104	B	20																

HB9SVT	5,883	53	37	B	Bulgaria	LZ1UQ	98,226	306	107	A	OK1FX	3,942	73	18	C	80	PA0B	19,737	129	51	B	
HB9HAF	195	5	13	B		LZ2RS	89,760	352	85	A	OK1FC	2,142	42	17	B	80	PA3EZR	17,901	117	51	B	
HB9AZZ	159,804	386	138	C		LZ1IQ	42,009	209	67	A	OK1UU	2,106	39	18	B	80	PA5P	11,718	93	42	B	
HB9AUS	23,664	116	68	C		LZ2LE	2,655	59	15	A	OL8M	71,280	495	48	C	40	PA1VW	2,268	28	27	B	
HB9CIP	85,800	550	52	C	80	LZ5XQ	83,628	303	92	B	OK2PCL	3,132	58	18	B	40	PA0RBA	0	0	1	B	
HB9TNM	22,572	171	44	B	20	LZ2DF	36,099	191	63	B	OL9Z (OK2PVF, op)	108,414	634	57	C	20	PA5KTA	714,660	1108	215	C	
<b>Italy</b>						LZ1AQ	18,054	118	51	B	OL9S (OK1DOS, op)	45,792	318	48	C	20	PA0LOU	192,984	473	136	C	
I1BABY	77,871	257	101	A		LZ1RGM	16,416	114	48	B	OL3A	34,980	265	44	C	20	PA4CW	154,224	476	108	C	
IK3TZA	12,696	92	46	A		LZ1ZF	2,790	62	15	B	OK1BLU	7,998	86	31	B	20	PA0JNH	130,248	402	108	C	
IK1RAC	5,400	60	30	A		LZ1MC	147	7	7	B	OK2BRA	5,925	79	25	B	20	PA0BWL	76,995	295	87	C	
I6FDJ	61,920	240	86	B		LZ2PL	271,404	718	126	C	OK1DRQ	98,580	620	53	C	15	PA0LSK	52,488	216	81	C	
I2AZ	59,856	232	86	B		LZ2ITU	4,623	67	23	C	OL7G (OK1FPG, op)	70,500	500	47	B	15	PA5WT	14,715	109	45	C	
IK3SCB	57,846	311	62	B		LZ5VK	25,752	232	37	C	80	OL6P (OK2WTM, op)	68,310	506	45	B	15	PA0MIR	9,360	120	26	C
IK0HIT	46,575	207	75	B		LZ2PS	6,900	100	23	B	40	OK2NN	63,756	462	46	B	15	PA2ALF	13,650	130	35	B
I2DFI	39,060	186	70	B		LZ3RR	41,445	307	45	C	OK2ZC	53,064	402	44	B	15	PA3ADJ	7,470	83	30	B	
IK3OII	31,785	163	65	B		LZ1BJ	4,158	66	21	B	OK1NE	52,272	396	44	B	15	PA5A	5,925	79	25	B	
IK2NUX	31,248	168	62	B		LZ1KNZ	2,394	42	19	B	OK1EV	40,119	311	43	C	15	PA1W	3,060	51	20	A	
I2ZEJU	30,660	146	70	B		LZ2HM	101,850	679	50	C	15	OK1AY	25,920	192	45	B	15	<b>Slovenia</b>				
I2ZELA	25,245	165	51	B		LZ2A	8,502	109	26	B	OK2PBG	11,424	112	34	B	15	S57U	249,660	730	114	B	
IU1A (IK1SPR, op)						LZ1EP	8,439	97	29	B	15	OK2AU	66,732	268	83	B		S59W	246,186	582	141	B
IK2NCF	16,215	115	47	B		LZ1DO	2,565	45	19	B	15	OK2ZC	7,700	40	31	B		S57NRO	3,720	40	31	B
IT9ESW	14,406	98	49	B		LZ5PL	1,326	26	17	B	15	OK1NE	52,272	396	44	B		S51DX	74,772	268	93	C
I2GCB	13,824	96	48	B		LZ1RB	1,674	31	18	B	10	OK1EV	40,119	311	43	C	15	S50C (S53MM, op)				
I2ZDXS	11,664	81	48	B	<b>Austria</b>	OE5HIL	7,215	65	37	B	OM7DX	272,700	606	150	A		S57J	74,658	541	46	C	
IK0XBX	9,840	82	40	B		OE50CWL	474,765	1021	155	C	OM4DN	156,240	465	112	B		S53XX	70,104	508	46	C	
IV3KSE	4,590	51	30	B		OE3ZK	258,156	606	142	C	OM7AG	134,865	405	111	B		S52EZ	66,378	481	46	C	
IK0KHZ	4,050	50	27	B		OE8SKQ	158,976	576	92	C	OM5NL	50,715	245	69	B		S59ZZ	66,306	514	43	C	
IK0KEZ	3,168	32	33	B		OE1TKW	37,818	191	66	C	OM7VF	47,874	202	79	B		S51OI	10,944	114	32	B	
IK2REA	1,890	30	21	B		OE3BCA	8,010	89	30	B	15	OM3CDR	44,712	207	72	B		S53F	162,108	948	57	C
IT9ORA	162	9	6	B		OE1BKA	1,305	29	15	B	15	OM4DA	44,100	210	70	B		S53F3	145,986	839	58	C
I2SVA	356,706	798	149	C		OH0EA (OH2KMG, op)					OM8HG	36,765	215	57	B		S53F3	140,292	866	54	C	
I0/NCY	182,070	510	119	C		OH0MM (OH2MM, op)	609,960	1105	184	C	OM7TJ	28,980	161	60	B		S57UN	74,541	187	81	B	
IK2 SND	116,802	378	103	C		OH1MM (OH2MM, op)	475,728	901	176	C	OM3BA	28,710	165	58	B		S57DX	31,152	236	44	C	
IK2GWH	81,528	316	86	C		OH7M (OH4XX, op)					OM4WW	169,290	990	57	C		S51U	203,019	1147	59	C	
IT9ZAU	56,490	269	70	C		OH6KN (OH6UM, op)	119,700	700	57	C	40	OM7PY	7,781	101	26	C	40	OM4AA (OM4EX, op)	29,646	162	61	B
I3V1PS	48,108	211	76	C		OH8L (OH8LQ, op)	300,900	1700	59	C	20	OM5CD	105,600	640	55	B	20	SM7BJW	34,371	171	67	B
I7/9A3A	37,224	188	66	C		OK1VDA (OK1VDA, op)	209,391	1183	59	C	20	OM3DX	54,096	368	49	C	20	SM0WRA	31,992	172	62	B
IK2AIT	18,768	136	46	C		OK1VDA (OK1VDA, op)	209,391	1183	59	C	20	OM2EE	7,332	94	26	B	20	SM0B (SM0QU, op)	29,646	162	61	B
IC8POF	855	19	15	C		OK1VDA (OK1VDA, op)	209,391	1183	59	C	20	OM3RM	88,128	544	54	C	15	SM6E (SM6FUD, op)	22,950	150	51	B
I2PJA (I2TAO, op)						OK2FS	56,952	226	84	B	OM3GI	33,000	275	40	C	160	SM3AEAE	20,196	132	51	B	
	45,540	330	46	C		OK2LO	5,664	59	32	B	OM7CW	13,950	150	31	C	160	SM7EH	18,126	106	57	B	
IR7G (I7ALE, op)						OK6OS	213,465	535	133	C	OM8A (OM3RM, op)	92,250	615	50	C	80	SM5AQI	10,374	91	38	B	
IK5WQO	205,713	1203	57	C		OK3RR	119,595	335	119	C	OM3CDN	3,432	52	22	B	80	SM0V (SM0ELV, op)					
IV3VN	67,014	438	51	B		OK6DH	19,875	125	53	C	OM4KW	2,040	40	17	B	80	SM0BD	8,856	82	36	B	
IV3MGN	28,728	228	42	B		OK1HOI	6,327	57	37	C	OM3BH	169,290	990	57	C	40	SM3Q (SM3BFH, op)					
IU1R (IK1PMR, op)						OH7M (OH4XX, op)					OM4WW	129,272	139	31	C	40	SM6UQJ	8,307	71	39	B	
I2,078	12,078	122	33	B		OH6KN (OH6UM, op)	119,700	700	57	C	40	OM7PY	7,781	101	26	C	40	SM3F3	10,350	75	46	C
IU3X (IV3SKB, op)						OH8L (OH8LQ, op)	300,900	1700	59	C	20	OM5NA	13,545	129	35	B	20	SM3F3	20,196	132	51	B
IR2M (I2FDU, op)						OK1VDA (OK1VDA, op)	209,391	1183	59	C	20	OM3DX	54,096	368	49	C	20	SM7EH	18,126	106	57	B
I2WIJ	28,251	219	43	B		OK2XF	7,020	78	30	C	15	OM2EE	7,332	94	26	B	20	SM0PBO	16,236	164	33	C
IK2WYI	14,796	137	36	B		OK3KOK	1,980	33	20	B	15	OM3RM	88,128	544	54	C	15	SM5AQI	10,374	91	38	B
I0QM	12,741	137	31	B		OK1VDA (OK1VDA, op)	209,391	1183	59	C	20	OM2AW	14,058	142	33	B	20	SM0EPO	2,520	42	20	B
IK8WEI	6,561	81	27	B		OK1VDA (OK1VDA, op)	209,391	1183	59	C	20	OM2AW	14,058	142	33	B	20	SM6CRM	4,905	95	33	A
IT9GXE	351	13	9	B		OK1VDA (OK1VDA, op)	209,391	1183	59	C	20	OM6TJ	3,816	53	24	B	20	SM0EPO	2,520	42	20	B
<b>Sardinia</b>						OK1VDA (OK1VDA, op)	209,391	1183	59	C	20	OM6NL	54,831	373	49	B	15	SM6CRM	9,405	95	33	A
IS0HQJ	264,600	630	140	B		OK1VDA (OK1VDA, op)	209,391	1183	59	C	20	OM4UN (ON4UN, op)	135,594	837	54	C	80	SM2YIZ	7,392	88	28	C
IS0OMH	68,970	242	95	B		OK1VDA (OK1VDA, op)	209,391	1183	59	C	20	OM4UN (ON4UN, op)	135,594	837	54	C	80	SM5INC	171,336	968	59	C
IS0UWX	5,184	72	24	B		OK1VDA (OK1VDA, op)	209,391	1183	59	C	20	OM4UN (ON4UN, op)	135,594	837	54	C	80	SM2KAL	25,956	206	42	C
IS0SDX	10,170	113	30	B		OK1VDA (OK1VDA, op)	209,391	1183	59	C	20	OM4UN (ON4UN, op)	135,594	837	54	C	80	SM3DMP	12,882	113	38	B
<b>Svalbard</b>						OK1VDA (OK1VDA, op)	209,391	1183	59	C	20	OM4UN (ON4UN, op)	135,594	837	54	C	80	SM6CRM	16,236	164	33	C
JW1CCA	23,472	163	48	C		OK1VDA (OK1VDA, op)	209,391	1183	59	C	20	OM4UN (ON4UN, op)	135,594	837	54	C	80	SM7NDX	16,236	164	33	C
<b>Norway</b>						OK1VDA (OK1VDA, op)	209,391	1183	59	C	20	OM4UN (ON4UN, op)	135,594	837	54	C	80	SM7NDX	16,236	164	33	C
LA1YE	60,762	247	82	B		OK1VDA (OK1VDA, op)	209,391	1183	59	C	20	OM4UN (ON4UN, op)	135,594	837	54	C	80	SM7NDX	16,236	164	33	C
LA7TO	47,424	208	76	B		OK1VDA (OK1VDA, op)	209,391															

SQ9DXN	14,688	102	48	B	RX3MM	5,133	59	29	B	UT2IO	1,134	27	14	B	20	<b>Dominican Republic</b>	
SP7FBQ	12,852	102	42	B	RA3TSS	3,960	44	30	B	UU0A (UU0JX, op)	109,512	676	54	C	15	HI3TEJ (K7BV, op)	
SP6CZ	7,605	65	39	B	UA4CC	891	27	11	B	US0KW	47,520	360	44	B	15	5,215,392 5174 336 C	
SP3ESV	6,630	65	34	B	UA4HJ	660	20	11	B	UZ8M (US0MR, op)			JA6WFM/HI8 102,750 685 50 B	10			
SP4AVG	4,860	60	27	B	RD3A (RD3AF, op)						46,002	374	41	C	15		
SP5TAM	3,198	41	26	B		855,177	1447	197	C	UT9FJ	13,392	144	31	B	15	<b>Honduras</b>	
SP2IARU (SP2HYO, op)	57,498	259	74	C	RV3FF	837,591	1403	199	C	UR6IJ	7,644	98	26	B	15	HR3/K7TR 234,342 554 141 B	
SP5GH	30,000	100	100	C	RX4HZ	342,009	717	159	C	UU4UJ (UU4JO, op)		6,162	79	26	B	15	St. Lucia
SP6BAA	19,398	122	53	C	UA3TCJ	163,296	432	126	C				J6R (K3LP, op)			2,954,130 3338 295 B	
SP1DTG	1,173	23	17	C	RT3T (UA3TU, op)												
SN7Q	38,961	333	39	C	160	152,424	438	116	C	<b>Latvia</b>							
SP6IHE	48	4	4	B	UA4RC	140,220	380	123	C	YL3DX	33,264	168	66	B			
SN3A (SP8NR, op)	117,810	770	51	C	RA4UVK	121,971	373	109	C	YL2PJ	20,349	133	51	B			
SP9XCN	9,900	132	25	B	UA4FER	108,360	344	105	C	YL2II	9,720	72	45	B			
SP6HEQ	7,482	86	29	B	UA3LEO	52,440	230	76	C	YL2GD	295,029	669	147	C			
SP7JQO	2,400	50	16	C	RA3DUT	47,304	219	72	C	YL2PQ	195,294	538	121	C			
SP9IHP	2,397	47	17	B	RX3OM	45,900	204	75	C	YL5W	27,090	210	43	B	20	Alaska	
SO5EK	1,824	38	16	B	RD4WA	31,878	161	66	C	YL5M (YL2UZ, op)						KL8DX 14,652 111 44 B	
SP9RTI	1,350	30	15	B	RV1CC	27,216	126	72	C	YL2PA	19,026	151	42	C	20	KL7WV (W3YQ, op)	
SP8BRQ	121,464	723	56	C	RK3BA	18,054	118	51	C	YL2PP	16,065	153	35	C	15	790,548 1243 212 C	
SP4Z	87,927	553	53	C	RA3CO	17,934	122	49	C				KL1V 301,344 688 146 C		AL1G 78,000 400 65 C		
SP9EMI	7,800	100	26	B	RN3FA	7,068	62	38	C							<b>Virgin Islands</b>	
SP2EXE	2,850	50	19	B	UA6LV	21,996	188	39	C	KV4FZ	95,535	579	55	C	160	9,900 132 25 B	
SO9E	1,824	38	16	B	RA4LW	2,964	52	19	C	PUerto Rico							
SP3GTS	1,764	42	14	B	UA6LCN	3,960	66	20	B	KP4KE (KP3T, op)							
SQ1EUG	972	27	12	B	RD3FD	360	15	8	C	YR2I	140,085	849	55	C	40	44,496 309 48 C	
SO2R (SP2FAX, op)	251,163	1419	59	C	RA6FB	360	12	10	C	YR5O	50,862	346	49	C	40	50,184 328 51 B	
SP9UMJ	51,597	351	49	B	RA6ATQ	690	23	10	B	Y05CRQ	1,386	33	14	B	80	50,184 328 51 B	
SO4MP	50,184	328	51	B	RZ3DA	408	17	8	B	YR2I	140,085	849	55	C	40	50,184 328 51 B	
SP4BEU	44,496	309	48	C	RA6AT	360	15	8	C	Y07LGI	70,470	290	81	B		50,184 328 51 B	
SP3ASN	38,916	276	47	B	RA6AFB	360	12	10	C	Y09WF	25,428	163	52	B		50,184 328 51 B	
SP8BAB	30,915	229	45	B	RA6FB	360	15	8	C	Y07ARY	1,458	27	18	B		50,184 328 51 B	
SP6T	28,368	197	48	A	RA6CW	150	10	5	A	Y02RJ	19,200	160	40	B	20	50,184 328 51 B	
SP2HPD	21,672	172	42	A	RA3XAR	36	4	3	A	Y02RR	3,060	60	17	B	20	50,184 328 51 B	
SP2LNW	18,318	142	43	C	RA6CM	117,819	689	57	C	Y06BHN	41,796	324	43	C	15	50,184 328 51 B	
SP3LWP	13,572	116	39	B	RA3DPX	102,600	600	57	C	Y02IS	22,800	200	38	B	15	50,184 328 51 B	
SP6DMI	4,899	71	23	B	RA6FA	5,616	78	24	B	Y04ATW	17,871	161	37	B	15	50,184 328 51 B	
SP7FGA	4,026	61	22	B	RA6AKD	2,793	49	19	B	Y04AW	15,330	146	35	B	15	50,184 328 51 B	
SP6YF	2,394	42	19	B	RN1AJ	216	9	8	B								
SP2MHC	957	29	11	B	UA6LTI	53,700	358	50	C	<b>Serbia and Montenegro</b>							
SN1A (SP1EG,op)	234	13	6	B	RA6DB	37,728	262	48	C	YT7TY	252,720	624	135	A			
SP4JCQ	79,632	553	48	C	RA4AN	22,176	168	44	B	YU1LM	39,975	205	65	A			
SP9H	31,080	259	40	A	RA3AF	21,414	166	43	B	4NOW (YT7AW, op)							
SP1NY	29,484	252	39	B	RA3TT	20,172	164	41	C	YT7N	688,512	1304	176	B			
SP3GXH	28,314	242	39	C	RA6HG	11,025	105	35	B	YU1JF	261,120	680	128	B			
SP2EXN	22,230	190	39	B	RV3YR	8,091	87	31	B	YU7DD	48,954	199	82	B			
SP3FPF	19,656	182	36	B	RA6MS	5,751	71	27	B	4N7ZZ	7,770	74	35	B			
SQ3RX	12,444	122	34	B	RA4PAY	5,124	61	28	B	YU1LA	63,210	430	49	B	40		
SQ9CAQ	10,323	111	31	B	RA1OD	4,212	52	27	B	YUZ0Z (YU1ZZ, op)							
SP3JUN	8,400	100	28	B	RA1OK	3,654	58	21	B	YU1BFG (YU1AU, op)							
SP1BLE	1,260	28	15	B	UA1ACC	3,600	50	24	B								
<b>Greece</b>					RA1CUR	3,450	46	25	B								
J4J3	204,078	602	113	B	UA4HQ5	2,520	40	21	B	YU1BZ (YU1AU, op)							
SV1DPI	4,743	51	31	C	UA3AVR	2,208	32	23	B	YU1BZ (YU1AU, op)							
SV1RP	94,710	574	55	B	RA4PN	756	21	12	B	YU1BZ (YU1AU, op)							
SV1BJW	42,090	305	46	B	RV6YZ	58,212	441	44	C	YU1BZ (YU1AU, op)							
SV1CIB	11,340	105	36	C	RZ6LG	12,444	122	34	B	YU1BZ (YU1AU, op)							
<b>Crete</b>					RA3AN	12,183	131	31	B	YU1BZ (YU1AU, op)							
SV0XAI	19,647	177	37	B	RA3XA	10,920	140	26	C	YU1BZ (YU1AU, op)							
<b>Bosnia-Herzegovina</b>					UA3AKI	3,654	58	21	B	YU1BZ (YU1AU, op)							
T99W	190,008	1092	58	C	RA4FX	3,105	45	23	B	YU1BZ (YU1AU, op)							
T90O	96,195	605	53	C	RA4LW	480	16	10	B	YU1BZ (YU1AU, op)							
T93W	594	22	9	A	RA4LQ	390	13	10	B	YU1BZ (YU1AU, op)							
T92M	21,672	172	42	B	RA4LQ	180	10	6	A	YU1BZ (YU1AU, op)							
T96Q	186,945	1133	55	C	UA4ACP	72	6	4	B	YU1BZ (YU1AU, op)							
<b>Ukraine</b>					RA4ACP	32,508	172	63	A	YU1BZ (YU1AU, op)							
TF4M (TF3YH, op)	777,060	1439	180	C	RA4LQ	290,079	579	167	B	YU1BZ (YU1AU, op)							
TF3CW	688,995	1255	183	C	UR5HAC	279,030	710	131	B	YU1BZ (YU1AU, op)							
TF3MA	36	4	3	B	UR6QS	73,836	293	84	B	YU1BZ (YU1AU, op)							
<b>Kaliningrad</b>					UR7IT	45,969	199	77	B	YU1BZ (YU1AU, op)							
RU2FM	1,836	34	18	A	UR8QR	19,239	121	53	B	YU1BZ (YU1AU, op)							
RA2FAC	8,232	98	28	B	RA5FEQ	16,905	115	49	B	YU1BZ (YU1AU, op)							
UA2CZ	15,225	145	35	C	RA5FEQ	16,497	117	47	B	YU1BZ (YU1AU, op)							
<b>European Russia</b>					RA5FEQ	3,192	56	19	C	YU1BZ (YU1AU, op)							
UA6LCJ	23,808	128	62	A	UT0RM	19,824	112	59	C	YU1BZ (YU1AU, op)							
RA4HW	20,625	125	55	A	UA2JQ	8,664	76	38	C	YU1BZ (YU1AU, op)							
RW3GU	99,900	370	90	B	UW2WMC	3,192	56	19	C	YU1BZ (YU1AU, op)							
RV3LA	75,225	295	85	B	UW8M	1,989	39	17	C	YU1BZ (YU1AU, op)							
RV3EDZ	53,361	231	77	B	UR8RF	297	11	9	B	YU1BZ (YU1AU, op)							
UA3DMO	50,400	200	84	B	UT2QO	48,627	363	43	C	YU1BZ (YU1AU, op)							
RV3QX	40,248	172	78	B	UT3UA	54,096	340	45	C	YU1BZ (YU1AU, op)							
UA1ANA	39,780	195	68	B	UY6IM	45,900	340	45	C	YU1BZ (YU1AU, op)							
UA4FCO	28,557	167	57	B	UA5A (UU0JL, op)	17,238	169	34	C	YU1BZ (YU1AU, op)							
RK4HD	27,132	133	68	B	UT4HM	2,295	45	17	B	YU1BZ (YU1AU, op)							
RV2FW	23,364	132	59	B	UT2QO	600	20	10	B	YU1BZ (YU1AU, op)							
RZ6HF	22,770	138	55	B	UT8RN	18	3	2	B	YU1BZ (YU1AU, op)							
UA3QCB	22,143	121	61														

South America										JA1BPA (JA-69330, op)				RK9CZO (RX9CAZ, RV9CTD, UA9CTT, RX9COD, ops)				WP2Z (N4ES, N4ESS,ops)					
Uruguay	CX7BY	167,328	996	56	C	15	JK2VOC/SO20051,152	5,133	59	29	B			113,886	342	111	C	3,911,487	4247	307	C		
	CX9AU	89,517	563	53	B	15								576	16	12	C						
Ecuador	HC1HC	27,186	197	46	C	80	HG3M (HA3MY, op)	2,028,747	2611	259	C												
Colombia	HK1XX	194,880	1120	58	C	40	YT7A (4N7DW, op)	1,482,468	2236	221	C			IR4X (I4IND, I4VEQ, IZ3EYZ, IK4DCT, ops)	2,392,740	2954	270	C					
Argentina	LU1EWL	625,968	1288	162	B		DK3GI	1,436,400	1995	240	C			IR4M (IK3QAR, IK4HVR, IK4MGP, IK4SXJ, IK4UNH, ops)	2,104,500	2777	279	C					
	LU8DZE (LW9ETY, op)	608,175	1325	153	B		YR7M (YO9GZU, op)	1,206,498	1906	211	C			OM7M (OK2BFN, OM3PA, OM3PC, OM5AW, OM5RW, OM5MF, OM5RM, OM5ZW, ops)	2,339,064	2856	273	C					
	LU7DIR	330,072	809	136	B		SN8F (SP8HFK, op)	1,058,184	1704	207	C			OM7M (OK2BFN, OM3PA, OM3PC, OM5AW, OM5RW, OM5MF, OM5RM, OM5ZW, ops)	2,326,025	2779	279	C					
	LU8ADX	1,653	29	19	C	40	DJ5MW	845,010	1374	205	C			HA80IARU (HA1TJ, HA1DA, HA1DAC, HA3UU, HA1SN, HA1AV, HA1AR, HA1AH, HA1SD, ops)	2,294,136	2964	258	C					
	LU1FZR	187,074	1094	57	C	20	OK1DG	817,344	1419	192	C			IR2C (IK2NCU, IK2JUB, IK2PFL, IZ2ELA, ops)	2,294,136	2964	258	C					
	LW7WW (LU5WW, op)	182,457	1067	57	B	10	LY8O	804,573	1419	189	C			F6KHM (F8DBF, F1AKK, ops)	2,148,078	2819	254	C					
	LW5EE	84,111	529	53	B	10	LY3UM	776,664	1304	197	C			YZ1U (YU1XA, YU1WS, YT1UR, ops)	1,890,816	2462	256	C					
Peru	OA4SS	1,695,003	2251	251	C		M0SDX	623,271	1111	187	C			OM5M (OM2RA, OM4DW, OM6AZ, ops)	1,376,832	2272	202	C					
Aruba	P40LE (K2LE, op)	1,185,720	1640	241	B		EA1WX	525,228	1012	173	B			JE1ZWT (JA1MML, JI1ALP, JI1FLB, ops)	1,270,080	2016	210	C					
	P43E	285,318	726	131	B		EA5FID	231,433	555	139	C			OL7R (OK1XUV, OK1WMV, OK1JOC, ops)	1,257,642	1923	218	C					
	P49Y (AE6Y, op)	5,865,882	5734	341	C		DM3PKK	229,824	576	133	B			G6PZ (M0CLW, M0DXR, ops)	1,241,325	1839	225	C					
	P43JB	173,637	981	59	C	10	G0MTN	229,512	584	131	C			IO4T (IK4VET, IK4XCL, I4YNO, ops)	1,198,512	1722	232	C					
Brazil	PA40LE (K2LE, op)	177,675	515	115	B		DL6KVA	326,340	740	147	C			IQ1SM (I1NUV, IK1QBT, IZ1GAR, ops)	1,165,617	1877	207	C					
	PA48AZT	1,000,008	1462	228	B		DJ9MH	257,166	546	157	B			RU1A (RU1AA, RW1AC, RV1AW, UA1ARX, UA1AKC, ops)	1,115,079	1831	203	C					
	PA7TEG	107,892	444	81	B		9A4KW	255,672	804	106	C			OL3Z (OK1DX, OK1FPS, ops)	1,239,310	3018	265	C					
	PA2IQ	84,096	292	96	B		PA1CC	163,833	563	97	C			IK2AOO (+IK2AHB, ops)	1,060,275	1675	211	C					
	PA3AU	77,250	250	103	B		DK7YY	153,846	777	66	C			SK3GM (SM3DTR, SM3RAB, SM3VAC, SM3WMU, ops)	837,330	1469	190	C					
	PA4FQ	44,880	187	80	B		SP3KEY	146,334	841	58	C			EA7RCT (EA7UU, EA7FNJ, ops)	654,849	1131	193	C					
	PR7ZZ	108	6	6	B		OO4CAS (ON4CAS, op)	143,955	457	105	B			EA7RCT (EA7UU, EA7FNJ, ops)	423,156	788	179	B					
	PY2YP	248,196	559	148	C		YT5K (YZ1SS, op)	142,332	818	58	C			ON9CKW (OM1KW, OM3TZ, ops)	342,000	760	150	C					
	PV8DX	1,092	26	14	B	80	HA5PT	134,676	387	116	B			PA1T (+PA1M, PA0O)	234,090	578	135	C					
	PP7ZZ	62,244	399	52	B	40	PI4TUE (PC5A, op)	103,116	661	52	C			DL1WA (+DL4WA)	220,383	521	141	C					
	PY2NY	216,282	1243	58	C	20	IK0CNA	102,030	358	95	B			OL2A (OK2HBY, OK2PEM, ops)	160,416	557	96	C					
	PY1WX	2,139	31	23	A	20	HA7UG	98,835	599	55	C			HG6V (HA6FQ, HA6VA, HA6IAM, HA6IAB, HA6IHA, HA6IGU, ops)	89,148	323	92	B					
	PY1KN	233,640	1320	59	C	15	IC7SB	89,577	269	111	C			PA8AK (9A7K, 9A3LM, ops)	88,494	301	98	B					
	PAQ2Q (PY1NX, op)	206,712	1188	58	C	15	II1M (IK1SOW, op)	84,672	288	98	B			OH2K (OH2NFS, OH2LNH, OH2LRE, ops)	65,250	250	87	C					
	PY7RP	73,008	468	52	B	15	PA5O	84,420	268	105	B			RW3WWW (RA3WJ, + ops)	50,841	269	63	C					
	PY8MGB	39,864	302	44	B	15	DF3CB	56,169	237	79	C			UR4LWY (UR5LJC, UR4LQA, US-1016, ops)	36,750	175	70	C					
	PY8DAN	31,860	236	45	B	15	EI4DW	45,924	218	86	C			OK1KDO (OK1CRM, OK1WN, ops)	36,018	174	69	B					
	PY2XC	9,021	97	31	B	10	PA5DD	40,068	212	63	C			HA6KZS (HA6ZS, HA6WTM, HA6WWG, HA6IGM, +ops)	34,773	173	67	B					
	PY2BRZ	4,089	47	29	B	10	SP1S	35,046	177	66	B			RK3AWK (RU3BH, RZ3FAB, RX3ABT, ops)	33,660	165	68	C					
	PY3CAL	1,404	26	18	C	10	F5PHW	25,560	142	60	B			UR4PWC (US-P-296, US-P-361, ops)	28,440	158	60	C					
	PY2ZQ	594	22	9	B	10	YU1CQ	23,427	137	57	B			SP9KRT (SP9ADU, SP9EMI, ops)	21,750	125	58	B					
	PW8OO	390	13	10	B	10	SP6EIY	17,538	158	37	B			Y06KNY (Y06DBA, Y06FNA, ops)	8,532	79	36	B					
Fernando de Noronha	PY0FF (W9VA, op)	177,675	515	115	B		OK2JJ	14,850	99	50	B			RK3RWA (RA3RK, RU3RQ, ops)	6,237	63	33	C					
	PY1OFF (W9VA, op)	210,099	1187	59	C	15	DL2JV	11,760	112	35	C			North America	V31TP (WC0W, NS0B, NU0Q, ops)	4,996,776	5032	331	C				
Falkland Islands	VP8NO	18,117	99	61	B		HA2VR	10,296	88	39	B			WP2Z (N4ES, N4ESS,ops)	3,911,487	4247	307	C					
Venezuela	YV1W5ALT	256,620	611	140	B		OK1FJD	6,588	61	36	B			Oceania	ZM1A (ZL1AIH, ZL1BHQ, + op)	277,650	617	150	C				
	YV5MBX	396	12	11	C	160	KL7FH	4,649,226	4682	331	C			South America	V47Z (K3TEJ, W2OX,ops)	2,761,668	3372	273	C				
	YV7QP	25,578	203	42	B	80	DL8AAM	352,170	910	129	C			Asia	JA1ZLO (7N3PJZ, 7N4JWE, JA1WLF, JM7WXN, JI0VWL, JG1VGX, ops)	556,962	1246	149	B				
	4M5F (YV5GRV, op)	169,974	994	57	C	40	DL1DXA	106	0	1311	C			Europe	IR4X (I4IND, I4VEQ, IZ3EYZ, IK4DCT, ops)	2,408,940	2974	270	C				
	YV5KG	61,350	409	50	B	40	North America	9Y4W (YL2KL, op)	5,922,000	5875	336	C			DL1MGB (+DL6RAI)	1,590,100	5700	321	C				
Single Operator Assisted	Asia	HS0ZDJ (W2YR, op)	56,160	260	72	C		PY2EX	1,130,364	1847	204	C			UT7L (UR4LRG, UR4LTX, UR8LA, US4LGW, UT5UY, UU5AW, UX0LL, UY5LW, ops)	5,489,100	7843	343	C				
	UA0ZAM	49,062	221	74	C			PY2EX	98,280	630	52	C			WP2Z (N4ES, N4ESS,ops)	2,951,199	3657	269	C				
	JF2SKV	27,258	154	59	C			LU7HN	5,19,318	978	177	C			DL1MGB (+DL6RAI)	2,408,940	2974	270	C				
	JA3PYC	19,050	127	50	B									Y06KNY (Y06DBA, Y06FNA, ops)	8,532	79	36	B					
	JR1IBAS	18,630	115	54	C									RK3RWA (RA3RK, RU3RQ, ops)	6,237	63	33	C					
	JG3KIV	18,204	164	37	B									North America	V31TP (WC0W, NS0B, NU0Q, ops)	4,996,776	5032	331	C				
	HZ1IK	11,481	89	43	B									WP2Z (N4ES, N4ESS,ops)	3,911,487	4247	307	C					