

Number groups after call letters denote following: Band (A = all; an additional A is All Band Assisted; A after each band is Assisted for that band), Final Score, Number of QSOs, and Prefixes. An asterisk (*) before a call indicates low power. Line scores in italics indicate late log received (past the deadline). Certificate winners are listed in boldface. (Note that the country names and groupings reflect the DXCC list at the time of the contest.)

2021 WPX CW RESULTS

SINGLE OPERATOR NORTH AMERICA

United States

District 1

K1ZZ	A	11,510,930	3136	1171
K1MW		11,231,946	3042	1146
			(OP: W1UE)	
KQ2M		10,413,333	3286	1071
WC1M		9,834,012	3184	1038
AC1U		9,162,960	2998	1046
			(OP: N1UR)	
AK1W		7,061,588	2464	1033
			(OP: K5ZD)	
K1AR		5,305,120	2174	934
NT0K		4,338,048	1973	832
			(OP: KC1KUG)	
NB1N		3,685,311	1717	777
WS1L		2,090,240	1342	710
N9NC		1,756,950	1062	650
NM1JY		1,503,054	972	553
K1DG		1,111,127	973	503
AE1T		927,499	750	491
AK1MD		896,070	775	435
WF1OC		565,080	588	408
			(OP: W1RFM)	
W1IS		396,651	448	327
K1SM		338,300	486	340
KB1W		309,844	436	284
WJ1X		287,616	386	321
W1TO		199,014	301	246
W1GD		187,806	216	199
W1WQ		166,560	298	240
KV1J		142,270	268	205
N21U		111,520	196	164
			(OP: W1UJ)	
W1JQ		54,720	189	160
N1NN		48,138	206	142
ND1X		42,880	147	134
N1UK		16,458	72	61
K1MT		11,468	63	61
W3EP		7,568	46	44
K1IB		6,213	65	57
N1PGA		1,480	21	20
K1JB	21	218,044	413	302
K1RV		1,770	32	30
K1K	14	6,582,915	2583	1205
N1WY		4,38,126	572	411
W1PY1MX		438,126	572	411
K1WR		12,224	65	64
W1OHM		646	19	19
W3AKD	7	81,069	211	183
*K1HF	A	5,332,103	2129	853
			(OP: K1KX)	
N1EN		1,894,599	1300	691
*A1JA		853,712	934	458
*W1ARY		826,284	821	444
*KS1J		717,162	594	474
*KX1E		570,095	569	353
*KG1V		445,068	599	351
*ND1C		414,504	601	342
*AE1J		222,134	345	253
*N1JT		224,944	331	238
*K1ERO		181,472	311	214
*KH1T		159,997	226	193
*W1DYJ		129,168	220	207
*KU1N		113,022	241	182
*N1GY		100,905	197	155
*K1SEC		86,152	283	178
*W1MJ		84,624	232	144
*N1JDM		79,534	247	182
*KAZKON		68,640	154	130
*N1DM		40,950	165	126
*W1ND		33,916	211	122
*N1GSA		26,448	134	114
*AB1KT		25,568	195	136
*K1LHO		25,283	182	131
*N1AM		21,944	119	106
*W1ERT		19,976	99	88
*W1ZFG		15,834	108	91
*K1RF		13,000	128	100
*N1SEP		12,064	63	58
*W1KM		9,798	88	69
*W1CVC		8,050	52	46
*W1AV		4,235,046	104	83
*N1CEO		2,745	50	45
*AK1K		2,576	50	46
*KB1NO		1,406	44	38
*KA1QYP		750	25	25
*K1ARR		120	10	10
*K1W1D		117	9	9
*K1UY		1	1	1
*N1GR	14	1,281,058	1082	602
*AB1J		416,800	544	400
*KA1YQC		78,280	194	190
*AE1P		13,926	71	66
*W1HS		2,268	38	36
*N1ZG	7	1	1	1
*N1CGP	1.8	2,117	96	29

District 2

W20F		3,234,661	1802	757
WA2CP		2,940,192	1526	738
			(OP: KC2GOW)	
KR2AA		2,480,485	1326	656
WS9M		2,469,920	1723	718
AB2E		2,435,520	1474	688
KZ9V		1,807,156	1125	598
W2NO		1,775,870	868	619
WR2G		1,629,208	963	619
KA2MGE		1,554,756	1094	581
K4RUM		1,381,280	1009	527
NE2V		1,124,328	954	532
N2VK		929,575	740	475
N2SQW		850,824	677	468
WB2NVR		819,840	693	427
K2PAL		605,101	571	371
WO2X		593,894	574	413
WU2X		570,024	572	377
			(OP: N2QV)	
K2QMF		554,760	574	414
NM2O		548,051	555	413
K3TS		529,226	452	361
K2RB		511,430	646	398
AH2O		448,632	700	402
WA2MCR		430,317	561	349
W2VJ		387,401	511	311
WB2NLF		289,971	425	303
WB2WPM		281,144	410	311
W2GDJ		232,560	337	285
KM2L		207,708	293	228
NS2N		187,353	324	243
KQ2M		137,940	229	190
N2OO		111,132	225	189
N2VJ		104,319	244	201
A12N		103,462	196	179
W2YR		101,192	221	182
K2QO		87,108	233	183
K2CJ		58,653	150	133
K2KS		57,660	177	155
K7RB		54,166	140	146
N2KH		52,510	147	118
N2HMM		46,632	149	134
W2PA		41,044	134	124
K4GDB		38,985	131	115
W2QL		35,300	128	113
K2OB		27,144	132	117
N2SO		23,129	118	101
N2ZV		21,330	91	79
K2ZV		19,939	99	99
N2AXX		11,175	77	75
KF2O		5,175	45	45
K2YR		2,700	30	30
W2JDT		1,372	32	28
KV2K	14	6,343,150	2278	1214
N2MM		2,706,858	1417	873
W2AW		2,262,442	1317	802
			(OP: N2GM)	
W2CG		205,740	292	254
N2YB		95,040	217	198
KY2N		77,880	205	177
			(OP: N2ZN)	
KA2EY		38	1,872	38
K2UF	7	783,944	597	411
N2NT		712,253	503	361
NB2P		444,125	451	323
K2ZNY	3.5	32,120	106	88
*KU2M	A	3,878,934	1604	834
N2UJ		805,068	795	418
K2RET		780,006	606	426
K2ZM		642,901	629	405
*W2P2		621,352	629	404
KV2U		571,136	665	388
*NF2RS		509,145	594	373
			(OP: K2ZR)	
*W2FDJ		378,594	449	342
*AB2TB		311,790	484	283
*KE2WY		307,496	424	325
*W2JDAU		246,958	346	269
*K12N		237,237	344	273
*K2DP		208,494	378	286
*NM2A		207,718	360	259
*KA2K		181,900	277	214
*KA2FIR		150,308	288	213
*W2LQC		126,474	306	197
*K2PEFM		127,907	328	205
*KD2S		118,038	337	206
*W2OIB		111,276	241	198
*KS2G		111,024	287	216
*KC2WUF		107,996	304	196
*W2GX		107,308	288	193
*K12D		99,960	305	196
*N1A		85,942	294	244
*KW2O		60,568	151	133
			(OP: KA2D)	
*WY2T		44,352	219	154
*W2TI		42,768	112	108
*WA2YFQ		30,015	166	115
*KA21RO		28,090	135	106
*W2VM		26,751	119	111
*N2FR		26,712	147	106
*NSCRT		24,920	97	89
*W2KWC		24,696	159	126
*KA2ENE		21,120	140	110
*KB2MM		13,475	91	77
*W2F3		12,352	65	64
*N2W2		11,868	105	86
*K2ZDD		7,920	89	72
*AA2F		6,174	69	69
*AC2IK		5,428	79	59
*WB2UCC		5,192	84	59
*KB2AMY		4,984	71	56
*K1NY		3,922	41	37
*KD2SGM		3,015	47	45
*W2NSR		2,660	43	35
*W2VJ		2,016	33	32
*KB2GD		1,848	34	33
*WA2YLL		1,824	51	48
*K2ZC		912	14	12
*N2SF		576	24	24
*KD2KEH		27	9	9
*N2EIM	14	46,354	176	154
*WB2ZGH		2,821	33	31
*N4KGH	7	1,998	98	97

District 3

AA3B	A	13,487,552	3947	1247
WM3T		8,468,210	2733	1090
			(OP: NV3A)	
K3RA		7,475,113	2608	991
K3TA		6,791,946	2510	962
			(OP: N3AD)	
N3OE		6,360,088	2456	959
KF3P		5,851,749	1982	993
			(OP: K3MM)	
K3ZO		5,351,939	1895	851
K3WJ		4,831,006	1667	818
WR8AA		4,10		

Table with multiple columns containing alphanumeric codes, numerical values, and names. The table is organized into several sections, some with bolded headers like 'District 6', 'District 7', 'District 8', 'District 9', and 'District 10'. It lists various entities and their associated data points.

*OESCYL	"	227,696	462	304	LZSK	21	487,971	817	477	*OK5MAX	"	1,548,004	1058	692	G3YXX	"	14,536	100	92	UF1F	"	201,736	475	302
*OEFDM	"	88,578	201	171	LZSQZ	"	29,346	153	134	*OL2J	"	1,336,232	1248	596	G4IUF	"	11,700	107	90	RC1W	"	143,572	342	251
*OEMSCS	"	20,383	124	109	LZ2ZG	"	1,161	27	27	*OK1TA	"	990,165	899	561	M5KJM	"	180	10	10	R1NW	"	89,200	271	200
*OE1EB	"	9,384	77	68	LZ2ZG	14	2,747,165	1755	985	*OK1DKR	"	499,784	891	487	G2BGM	21	132,768	389	288	RA1QD	14	500,503	573	483
*OE2E	"	2,923	38	31	LZ2ZG	"	1,161	27	27	*OK5DKR	"	863,250	559	374	G3RXP	"	124,547	321	257	UA1F	"	267,593	463	373
*OESOSP	14	169,932	340	289	LZ1EV	7	4,443,264	1748	812	*OK6N	"	529,618	672	421	G0PZA	"	100,487	321	257	RW1M	7	344,064	412	336
*OE6JXA	7	203,682	296	249	LZ3AE	3.5	271,800	449	302	*OK1HEH	"	529,240	750	404	M7O	"	54,069	271	201	UA1OMS	1.8	14,535	90	85
*OE3IAK	"	2	1	1	LZ3BP	A	2,333,146	1481	789	*OK1MDK	"	500,544	683	396	G1M	"	50,049	251	201	*R2IOK	A	1,166,202	1044	603
					*LZ7J	"	1,832,832	1252	613	*OK1SI	"	489,878	670	426	G9D	"	9,968	96	89	*UC1A	"	984,814	1105	542
					*LZ3QE	"	910,437	1092	517	*OK1DVA	"	101,650	558	374	G9W	14	3,446,274	1884	887	*RK1AQ	"	420,903	720	393
					*LZ2CH	"	401,576	663	404	*OK1HCG	"	441,775	638	363	M6O	"	2,323,296	1619	864	*R1XAG	"	316,330	543	374
					*LZ7O	"	115,052	216	196	*OK2PIM	"	402,424	602	374	G8A	"	1,385,520	1058	690	*RT1I	"	246,158	487	334
					*LZ2FN	"	47,680	213	16K	*OK1BR	"	361,472	629	353	G8H	"	3,446,274	1884	887	*RD1T	"	205,348	412	286
					*LZ2HT	"	27,531	151	133	*OK2GU	"	313,250	563	350	G4HZV	"	66,435	239	219	*RL1F	"	103,680	319	256
					*LZ3TL	"	19,992	107	98	*OK2HBY	"	289,428	489	356	MX3W	7	4,488,020	1685	810	*R1BET	"	103,008	290	232
					*LZ7Y	"	3,132	36	36	*OK1PX	"	281,520	461	345	M9N	"	266,667	448	309	*R1QE	"	86,940	247	189
					*LZ3SM	"	1,363	30	29	*OK1DVA	"	268,413	570	323	G6M	"	46,860	158	132	*R1AL	"	62,928	202	184
					*LZ8E	28	310,800	867	400	*OK1UKY	"	209,748	410	308	*GAPVM	A	2,227,890	1589	721	*R1W1Q	"	45,820	205	140
					*LZ1NG	"	88,800	292	240	*OK1FCA	"	160,650	397	270	*M3AWD	"	1,901,816	1259	629	*R1T1G	"	25,179	127	109
					*LZ2JA	"	24,132	144	92	*OK2BLD	"	135,420	342	244	*MXOSNB	"	747,742	863	461	*R8MB/1	"	25,179	127	109
					*LZ2GS	"	10,488	104	92	*OK1AXB	"	130,448	374	263	*MOORD	"	596,942	852	437	*UB1AHY	"	16,478	131	107
					*LZ4W	"	6,048	72	63	*OK2LF	"	115,770	357	255	*GADDL	"	567,326	812	419	*R8X/F1	"	12,032	114	94
					*LZ9V	21	183,464	420	323	*OK1DKE	"	108,075	349	275	*G2W	"	545,376	692	456	*UA1AU/1	"	9,450	66	63
					*LZ1FH	"	110,770	358	265	*OK1AMF	"	144,660	388	84	G6M	"	46,860	158	132	*RM1F	"	9,344	81	73
					*LZ6C	"	16,050	126	107	*OK2BRQ	"	85,554	253	194	*GAPVM	A	2,227,890	1589	721	*R1K1I	"	4,140	50	45
					*LZ5EE	14	448,448	651	488	*OK2GG	"	62,208	201	162	*M3AWD	"	1,901,816	1259	629	*R1CAA	"	144	10	9
					*LZ2HA	"	39,283	259	123	*OK2PF	"	46,664	193	152	*MXOSNB	"	747,742	863	461	*R1T1G	"	25,179	127	109
					*LZ1VQ	"	189,380	437	340	*OK2VX	"	42,336	183	144	*MOORD	"	596,942	852	437	*R1T1G	"	25,179	127	109
					*LZ10VARN	"	20,445	169	145	*OK1PFM	"	36,046	178	134	*GADDL	"	567,326	812	419	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK8XM	"	34,194	158	139	*G2W	"	545,376	692	456	*R1K1I	"	4,140	50	45
					*LZ5EE	14	448,448	651	488	*OK7KX	"	139,559	287	237	*M2J	"	424,501	602	407	*R1CAA	"	144	10	9
					*LZ1VQ	"	189,380	437	340	*OK1AJO	"	12,919	103	97	*M3X	"	366,146	665	374	*R1T1G	"	25,179	127	109
					*LZ10VARN	"	20,445	169	145	*OK1FRJ	"	12,319	103	97	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK1FMJ	"	7,260	67	66	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK7N	"	6,327	60	57	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK2ABU	28	18,630	134	115	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK1AGE	"	4,235	63	55	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK1LL	21	109,598	298	251	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK1FMJ	14	158,630	321	270	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK1FGD	"	75,922	243	207	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK3DM	"	73,071	243	207	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK1MMN	"	47,064	172	159	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK1TRJ	"	39,015	177	153	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK2TBC	"	30,660	160	146	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK2BND	"	24,840	150	135	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK1AMF	"	8,692	94	82	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK1IDJ	"	7,775	75	75	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK6D	"	7,085	71	65	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK1FUK	"	324	18	18	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OL9R	7	4,424,727	1560	911	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK1AY	"	983,164	673	517	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK1GS	"	123,310	242	209	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK2BRS	"	80,080	202	176	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK2DN	"	63,722	162	151	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK1R5T	"	24,360	30	29	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK1DU	3.5	721,344	752	442	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OL5J	"	552,640	611	440	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK2VV	"	241,815	439	289	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OL1AY	"	181,740	362	280	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK5D	"	106,488	279	204	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK7T	"	36,580	151	124	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK2KFK	"	4,048	49	46	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK6Y	1.8	328,000	502	373	*G9F	"	275,440	508	313	*R8MB/1	"	25,179	127	109
					*LZ1MC	7	3,744	39	39	*OK1JOK	"	41,760	182	144	*G9									

Table with multiple columns containing alphanumeric codes, numerical values, and names. Includes sections for District 4, Faroe Islands, Fed. Rep. of Germany, and Finland.

OG66X	*	454,342	698	391	*F4HYH	*	11,016	101	81	*HA0IL	*	21,279	155	123	*IZ5AHB	*	42,276	180	156	LY5E	*	8,724,012	3075	1276
OG4T	*	450,957	509	373	*F6KRR	*	5,151	51	51	*HA7UL	*	4,400	60	55	*IK2AUK	*	42,032	170	142	LY6A	*	6,712,551	3129	1049
OG4W	*	403,542	485	423	*F1EVE	*	2,160	37	36	*HA0LZ	21	45,426	228	201	*IZ1TRK	*	41,076	181	163	LY4T	*	3,538,926	2116	842
OH7KBF	*	258,819	506	341	*F5VYV	*	2,014	56	53	*HA8TKS	14	325,880	697	428	*IU6FMB	*	39,566	180	146	LY9Y	*	3,353,544	1850	846
OH6BA	*	111,573	286	207	*F4GRD	*	1,828	29	29	*HA2EAV	*	285,285	531	399	*IK7MYJ	*	39,200	208	175	LY25A	*	1,198,480	998	837
OG5G	*	99,900	264	225	*F4CIB	*	1,813	39	37	*HA2MD	*	5,698	82	77	*IQ6SE	*	37,920	188	158	LY5W	*	1,184,848	1142	568
OH1LAR	*	57,512	216	182	*F2AI	*	1,428	37	34	*HA7I	7	2,767,208	1228	764	*IK2UJF	*	37,422	186	164	LY5XX	*	870,758	926	518
OH2CV	*	54,568	485	423	*F6ICA	*	1,395	35	31	*HA5VJ	*	1,279,375	860	575	*IZ0UIN	*	34,731	202	153	LY3CY	*	636,682	899	449
OH2MAS	*	24,476	128	116	*F1MLN	*	1,015	29	29	*HA9RC	*	1,010,526	776	502	*IK7NXU	*	34,164	148	146	LY5O	*	552,624	644	397
OH2BJ	*	7,821	85	79	*TM77SM	*	960	25	24	*HABLCA	*	926,850	744	501	*IK0SD	*	33,456	153	136	LY7M	*	398,034	479	351
OG7A	28	77,880	312	220	*F8OOI	*	441	22	22	*HA9RP	*	650,136	526	412	*IK0SD	*	33,222	198	147	LY7T	*	398,061	648	357
OH9A	*	15,568	131	112	*F6AUS	*	17,712	134	123	*HG8L	*	215,875	323	275	*IK2QIB	*	30,600	183	50	LY1XA	*	254,240	395	280
OH2LIR	*	120	12	12	*F4SVD	*	3,840	70	60						*IU6AIG	*	27,840	162	145	LY8A	*	18,336	113	96
OG5O	21	287,228	843	394	*F5OGL	14	808,980	936	566					*IK3BVD	*	23,750	134	125	LY57BC	*	14,751	110	99	
OH3Z	*	29,435	159	145	*F5VMN	*	505,144	766	466					*IWBZBY	*	20,944	127	119	LY2BAW	*	2,562	59	42	
OH2MZA	*	11,392	96	89	*F5VMM	*	24,354	130	123					*IK0PXD	*	20,564	134	106	LY2AX	28	32,481	193	143	
OH3JO	*	11,193	109	97	*F4FFF	*	469,224	408	343					*IR0Y	*	19,594	115	97	LY4G	21	891,398	950	541	
OH1AF	*	1,860	34	18	*F5PRH	*	2,021	47	43					*IK6RHX	*	19,588	174	118	LY2HM	14	1,789,920	1332	732	
OH8X	14	6,176,016	2599	1232	*F6AP1	*	2,021	47	43					*IK3OBX	*	17,871	123	111	LY2FN	7	3,179,880	1318	792	
OG2P	*	5,199,320	2216	1198	*F4HRM	*	391	17	17					*IZ5BBS	*	17,654	108	97	LY1M	*	1,479,240	993	517	
OG2B	*	2,436,840	1593	840	*F5SJK	*	200	20	20					*IK2IKW	*	17,115	120	105	LY3B	*	371,218	402	387	
OH7R	*	769,950	828	543	*TM6M	7	5,092,261	1719	883					*IK6ZMT	*	16,830	120	99	LY2CX	*	5,136	50	48	
OH6SRAL	*	700,002	851	522	*F8KWW	*	1,602,591	1042	619					*IZ2JWF	*	15,322	120	94	LY4L	A	5,058,883	2800	937	
OH6RE	*	151,510	351	278	*F5VMM	*	505,144	766	466					*IK0JX	14	1,535,983	1038	757	LY2DX	*	2,129,754	1357	759	
OH5ZA	*	96,782	240	217	*F5TRB	*	2,354	130	123					*EIBXJ	14	64,925	185	155	LY5AX	14	1,083,133	895	280	
OH6TN	*	51,745	145	131	*F5PRH	*	469,224	408	343					*E1KVC	28	1,080	30	30	LY7W	*	950,386	910	514	
OH2KI	*	23,478	100	83	*F5CIC	*	135,198	270	222					*E14CF	28	1,080	30	30	LY2MC	*	319,200	501	350	
OH2VZ	*	4,557	49	49	*F6GGA	*	31,707	136	117					*E13CTB	14	138,210	294	255	LY4K	*	86,708	229	212	
OH3PE	*	6,400	32	32	*F1IKK	*	4,275	45	45					*E18GP	14	138,210	294	255	LY5Z	*	45,050	175	170	
OH6VN	*	45	5	5	*F1UVN	3.5	1,312,158	950	571					*E15KO	14	4,788	60	57	LY4BF	*	30,720	144	120	
OG3B	7	3,773,994	1605	826															LY2NB	*	1,404	30	27	
OG3OYL	*	1,442,112	1082	592															LY3DA	*	96	8	8	
OH4BCS	*	10,530	65	65															LY2OU	28	57,525	281	195	
OH3BCX	3.5	5,200	50	50															LY2X	*	293,280	447	312	
OG4A	1.8	19,900	108	100															LY4Z	*	11,760	82	70	
OH5VT	*	11,934	83	78															LY5I	3.5	929,780	862	520	
OH7BGX	A	543,872	721	448															LY2LO	*	95,735	252	205	
OH1SIC	*	338,445	338	345																				
OH7K	*	185,350	413	275																				
OH10SRAL	*	169,290	329	285																				
OH2JL	*	120,384	318	228																				
OH2LU	*	111,065	276	225																				
OH2ML	*	74,241	276	219																				
OH2MGA	*	60,606	207	182																				
OH3KAV	*	55,014	197	159																				
OH2CI	*	30,324	157	133																				
OH8KA	*	18,321	103	93																				
OH2EA	*	12,338	72	62																				
OH2LU	*	11,020	81	76																				
OH7MI	*	6,532	93	83																				
OH8OS	*	5,508	73	68																				
OH1TIS	*	2,464	47	44																				
OH8EOG	*	504	19	18																				
OH3MHA	28	1,400	36	35																				
OH1RX	*	425	17	17																				
OG2N	14	10,944	104	106																				
OH7JL	*	300	26	25																				
OH8UQ	7	99,264	228	192																				
OH3MM	*	3,936	49	48																				
OH4X	3.5	529,740	646	405																				
OH8UJ1	1.8	112,996	277	212																				
F6IRA	A	4,643,352	1940	1036																				
TM6X	*	4,238,541	2205	877																				
TM5T	*	3,857,659	2060	871																				
F6BDY	*	3,034,040	1933	839																				
F6SOM	*	2,537,535	1642	715																				
F6HDI	*	1,051,881	874	547																				
F6E2Z	*	970,060	988	533																				
F6BDF	*	134,620	362	254																				
F6SPH	*	32,943	157	139																				
F6NFX	28	19,367	137	107																				
TM1W	21	255,054	482	321																				
F6FLU	14	38,250	138	125																				
F6ARC	7	2,495,664	1118	654																				
F6GPT	*	73,040	219	166																				
F6ITRE	1.8	6,720	61	58																				
F6CRS	A	2,031,632	1176	7																				

SC7DX	*	992,990	978	545	EM30UU	*	1,565,511	1361	631	*URS5WCA	*	21,120	150	120	YF3FZR	*	1,148	31	28	*LW8DXR	*	126	14	14	
SJJA	*	804,608	701	449	UW0K	*	1,506,760	1093	695	*UR4EI	*	20,776	111	97	YF2UFA	*	171	9	9	*L17D	28	14,040	76	65	
SD1A	*	719,236	978	476	UR7R	*	1,314,222	1412	609	*US5CDH	*	18,618	124	107	YB0ECT	14	783,212	661	412	*L1U1VYL	*	312	12	12	
SM5EFO	*	408,828	601	372	UX7W	*	1,165,164	1085	533	*UX1CW	*	17,430	93	83	YB0NSI	*	32,849	115	107	*LW8DQ	21	198,340	292	235	
SM7IUN	*	284,666	483	317	UX7W	*	1,033,753	874	511	*UT5PQ	*	16,647	98	93	YB3DXG	*	1,008	24	24	*LJ2EIC	14	2,349	31	29	
SE0B	*	255,285	487	305	UX7W	*	1,028,118	1061	546	*UT8BV	*	15,824	95	86	YB1DOI	*	341	11	11	*L16UAL	*	11,040	46	48	
SD6M	*	243,672	446	312	UT5ECZ	*	987,302	788	526	*US6CC	*	14,700	98	87	YB2MM	A	208,902	313	222	*L17DH	7	11,040	30	30	
SM5COS	*	224,992	469	316	US0U	*	933,660	1029	540	*UT5UN	*	11,790	107	90	YD7ACD	*	164,436	241	193	*LW2DHD	3.5	153	9	9	
SM5SOP	*	211,558	360	278	US0U	*	884,950	930	550	*UT1ZZ	*	9,520	79	68	YB8RW	*	162,514	317	166	*L1U1DDQ	*	2,828	28	28	
SD3A	*	141,673	335	259	UV1X	*	838,242	854	513	*UY3MM	*	7,936	67	64	YB1RKT	*	151,707	250	183	*L5UEA	*	35	5	5	
SM3PZG	*	134,208	298	233	UV2V	*	895,544	1020	478	*UR5WT	*	5,184	91	81	YB8UF7	*	15,510	84	66						
8SOW	*	27,861	123	111	US2YW	*	537,489	805	549	*UR8IF	*	5,088	48	48	YB1LJT	*	10,478	70	62						
SA6U	*	18,270	99	90	US2YR	*	516,384	597	396	US3X	*	3,690	48	45	YB1MMG	*	7,809	68	57						
SMNZZA	*	1,428	18	17	US4L	*	485,776	573	387	*UR5WQ	*	1,581	12	12	YB9GDP	*	7,436	51	51						
SM5LNE	*	2	1	1	US4L	*	450,485	599	428	*UT5UGQ	28	160,728	441	296	YB6IUP	*	7,007	56	49						
SM9X	7	935,456	809	496	US4L	*	430,390	597	386	*UR6J	21	162,000	386	300	YB3BGM	*	4,212	46	39						
SK3W	1.8	320,712	500	322	US4L	*	408,628	617	407	*UR5F5	*	2,400	44	40	YB2DX	*	1,575	27	25						
SE0X	*	253,890	335	298	US4L	*	395,473	630	377	*UR5F6	*	20,540	148	130	YB2VOC	28	629	17	17						
*SE4E	A	1,633,071	1375	697	US4L	*	257,400	494	325	*UR5F7	*	2,400	44	40	YB2VOC	21	240,702	384	231						
*SD6F	*	1,494,200	1393	620	US4L	*	251,400	466	310	*UR5F8	*	2,400	44	40	YB2VOC	21	240,702	384	231						
*SFOA	*	930,315	984	545	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SMSACQ	*	448,800	702	372	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SFWW	*	431,148	862	372	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SMS5SS	*	419,750	576	365	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SIOW	*	413,220	590	388	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SM5DXR	*	378,420	641	371	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SF50	*	311,040	522	323	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SK5AA	*	202,827	405	291	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SE6N	*	180,090	390	261	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SI5A	*	152,568	291	234	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SE6J	*	146,060	382	263	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SG2SOP	*	103,918	283	223	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SM6NT	*	100,048	313	208	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*TSOA	*	98,980	280	245	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SM6A	*	91,750	246	205	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SM7CIL	*	72,996	190	158	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SM6BZV	*	71,400	263	204	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SM6OEF	*	46,637	176	149	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SM6CCT	*	32,058	180	137	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SM6VVM	*	20,566	126	113	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SM6GRD	*	19,497	110	97	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SM6GBM	*	18,240	109	102	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SM6NJK	28	576	24	24	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SJM7	*	483	23	21	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SM7RYR	14	94,320	291	240	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SM3CZS	*	54,725	227	199	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SM5GLC	*	21,890	115	110	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SM6NET	*	819	21	21	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SF400B	*	744	18	17	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SM5MX	7	687,654	594	453	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SM5FPC	*	367,360	385	328	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
*SM7ATL	*	17,296	102	92	US4L	*	249,716	465	326	*UR5F9	*	113,784	335	254	YB2VOC	21	240,702	384	231						
Switzerland																									
HB9DQL	A	4,927,307	2136	979	UR8GX	*	189,956	373	281	*UT2DW	*	13,575	91	75	FK8K	A	723,720	649	326						
HB9D369	*	2,740,369	1681	921	UR3AY	*	189,956	373	281	*UT5PY	*	2,128	21	18	New Zealand	A	7,358,597	1945	851						
HB9CZF	*	303,264	966	312	UR8UD	1.8	213,192	393	282	*UR7U1	1.8	104,684	264	208	ZM4T	A	7,358,597	1945	851						
HB9AW5	*	121,672	323	227	UT4WA	A	7,034,052	2951	1164	*UT3QU	*	17,017	99	91	ZL11F	*	1,979,472	947	528						
HB9DVZ	*	82,414	213	178	UT4WA	A	7,034,052																		

*W8SN	A	2,352,499	1033	661	*AG9A	"	9,145	65	59	*7J1ABD	7	1,386	21	21	*OL2J	A	1,336,232	1248	596	DK0SU	A	53,070	181	145		
*NK4O	"	735,588	750	417	*W8SE	7	16	4	4	*JA1WTO	21	324	18	18	(OP: OK2PYA)					DK1FW	7	1,035	23	23		
*K4EJ	"	673,312	736	412	*KB7ISP	"	4	2	2	*JF1WAM	A	231	11	11	*OK1TA	"	990,165	899	561	DL7LQ	A	208	14	14		
*N4HA	"	381,238	461	341						*JH1EAP	"	4,004	70	52	*OK1HCG	"	338,661	634	363	*DK3YD	A	1,259,142	1106	638		
*KC4TEO	"	145,080	307	234	District 0					*7L1DST	"	3,008	34	32	*OK2HBR	3.5	241,315	439	289	*DF0BV	"	1,187,316	1038	559		
*K3VXY	"	111,111	111	111	N9AV	A	1,204,486	1074	551	*7K1OPT	"	440	24	20	*OL1AY	"	181,740	363	215	(OP: DL1MA)						
*WA3LXD	"	107,600	282	200	WD0T	"	1,134,216	1273	534	*JK1CNL	21	99	13	11	(OP: OK1DUS)				*OK1LL	21	109,938	298	251			
*NG2J	7	104,940	286	198	WFOGM	"	451,880	607	395	*JH1OJV	A	9	3	3	*OK1MMN	14	47,064	172	159	*DL3KUD	7	942,984	731	504		
*K4DR	A	46,810	257	155	N7WY	"	300,155	502	347	District 2					*OK1T	3.5	36,580	151	124	*DL8ULF	A	888,706	1110	545		
*WZ4M	"	46,665	191	153	W0ETT	"	261,048	426	292	JR2BOM	A	72,712	211	149	(OP: OK1FHI)				*OK1AUO	A	13,944	88	84			
*K4AVX	"	37,520	168	140	NOJK	"	9,126	91	78	JR2ALA	"	33,462	114	99	*OK4NN	14	8,632	94	82	*DK4LX	7	371,531	393	313		
*K8LBO	"	33,748	192	143	*K1UK	A	689,081	839	453	JF2OHO	"	16,906	105	79	*OK1UDJ	"	7,675	75	75	*DA0FFR	A	325,376	579	328		
*A4BR	7	30,420	94	90	*AE0EE	"	64,883	195	164	*JA2KKA	7	88,892	102	100	*OK1VW	A	161,414	372	253	(OP: DM6WAN)						
*KK4E	A	24,416	137	109	*AIG0	"	59,228	167	134	*JG2RFFJ	A	76,139	261	169	*OK1LV	28	17,136	134	119	*DL4XU	"	230,250	639	354		
*WB4ABY	"	20,150	170	130	*WA7NXP	14	42,120	135	120	*JA2JWH	"	56,840	229	145	*OK1LO	"	5,016	74	66	*DF2WZ	"	188,404	411	268		
*K3NP	"	18,639	126	109	*WJ0W	A	28,768	174	124	*JS2PHO	"	44,226	235	126					*DL7VHP	"	129,208	297	248			
*WF7T	14	18,335	107	93	(OP: KH6XX)					*JA2UJQ	"	1,456	30	28					*DK5ZX	"	114,582	300	226			
*N4FA	A	575	23	23	*WOP1	14	1,653	29	29	*JR1UJX/2	A	17,056	146	82	Denmark				*DF8TY	"	105,435	265	213			
*WA2ZDM	14	352	16	16	*WOCW	A	189,429	412	271	District 3					*OV3X	A	2,180,400	1398	890	*DG1FN	"	100,282	287	203		
*AF5CC/4	"	336	16	16						JA3QOS	A	345	16	15	(OP: OZ2AE)				*DF7CB	"	85,023	590	201			
*K4CNY	A	108	6	6						*JN3TSY	A	25,344	111	96	*OZ3UR	A	168,250	351	250	*DBODH	28	67,204	285	212		
*WB5KFP	21	336	16	6						*JO3OEF	"	22,078	128	83	(OP: OZ2BE)				(OP: DL1EJM)							
*N3CZ	21	3,901	13	13						*JP3AQR	14	2,210	37	34	*OZ3BT	"	35,168	135	112							
										*JF3GPP	28	676	4	3	Dodecanese											
										*JL3DQX	3.5	117	5	5	14	57,612	844	508								
										*JH3SIF	21	18,130	127	98	England											
										*JP3OGA	"	72	6	6	14	3,446,274	1894	897								
															(OP: MD0XR)											
															M6O											
															2,323,296	1619	864									
															(OP: G3WGN)											
															G3T	A	190,005	414	265							
															(OP: G3VZG)											
															G4HZV	14	66,435	239	215							
															G4L	A	49,880	164	145							
															(OP: G4LLD)											
															*G4SMB	"	25,536	134	114							
															G9D	21	24,934	96	89							
															(OP: G6NHU)											
															*M0ORD	A	596,942	852	437							
															*G4DDL	"	567,326	812	419							
															*M0XUL	14	125,522	193	254							
															*G4RLS	14	8,658	81	78							
															*G4BEE	"	1,479	29	29							
															*G3VRY	"	1,352	26	26							
															*G3YMC	14	61,983	267	213							
															*M0TKD	21	9,898	106	101							
															*G3WZD	7	2,546	38	38							

*LY5T	7	361,801	490	341
*LY4ZZ		11,760	82	70
		(OP: LY2BMX)		
Luxembourg				
LX1NO	3.5	32,940	157	108
Netherlands				
PA0MIR	3.5	121,446	183	155
*PG2AA	14	350,648	599	424
*P3AARM	A	315,609	591	339
*PB0ACU	A	167,024	400	286
*PFB6K	A	31,812	156	132
		(OP: PA3HEN)		
*PA2VS		26,325	149	117
North Macedonia				
Z35F	A	95,400	312	212
*E030UA		1,657,456	981	598
*Z350AGCW	A	305,162	351	331
		(OP: Z32LU)		
*Z35Z	1.8	1,058	25	23
Northern Ireland				
*MI5I	A	923,100	1055	543
		(OP: G10RQK)		
*MI0I	28	4,224	68	64
Norway				
*LN77TT	A	946,428	1031	532
		(OP: LA5LJA)		
*LA6PB	14	924	34	33
*L6BRH/P	A	8,239	85	77
Poland				
SP5ALC	A	1,836,900	1634	650
3Z0X	14	710,892	870	546
		(OP: SP5MXZ)		
SP5CJQ	28	34,200	192	148
*SP1IKK	7	752,719	857	548
*SP1R	14	657,547	725	529
*SP2HOU	7	378,108	424	379
*SN4X		272,094	311	303
		(OP: SP5OXX)		
*SP5UFK	A	141,010	303	239
*SP8BLX	14	138,824	324	268
*SP4WAE	3.5	113,071	279	203
*SP8CGU	14	107,352	280	252
*SP90UV	7	97,890	216	195
*SQ2EEQ	A	25,252	141	118
*SN4EE	A	9,660	91	84
*SP9GNM	14	7,134	92	87
*SP1DMD	A	3,776	63	59
*SP9KAG	7	106,172	253	209
		(OP: SP9CXN)		
*SP8OOE	3.5	87,984	272	208
*SP2HMY	21	12,342	83	72
*SP8D	3.5	1,296	27	27
Portugal				
*CT1DRB	A	162,016	343	244
*CS7AMH	A	120,830	302	215
*CT7AIX	28	432	19	16
Romania				
YO8BDW	A	373,732	798	505
YO3JV	7	131,610	274	214
YO2NAA	1.8	112,104	236	184
*YO4AAC	A	128,216	403	248
*Y05AFX	14	87,840	288	239
*YO7LYM	A	40,152	224	168
*YO4FZX	28	23,493	147	123
*YO7NSP	7	10,880	65	63
*YO4BEX	14	60,705	249	213
*YO4LHR	28	420	22	21
Scotland				
GM3A	14	1,311,114	1218	651
		(OP: MM2JOM)		
MM1E	21	132,884	362	273
		(OP: MM2GOR)		
Serbia				
YU51ANO	7	1,738,434	1078	618
		(OP: YU1RA)		
*YU1AO	A	100,100	282	220
Sicily				
IT9UEP	14	304,764	472	327
*IR9Z	21	4,896	48	46
		(OP: IT9VCE)		
Slovak Republic				
*OM3BA	A	219,505	437	307
*OM8ON	A	120,218	235	217
*OM3ODN	7	89,208	223	189
*OM7AT	A	19,600	121	100
*OM2AGN	7	9,487	42	41
Slovenia				
S53A	A	5,845,688	2345	901
S57AL		5,290,560	2164	880
S59AA		2,498,324	1686	762
S50R	21	873,988	1058	633
S50U	28	358,938	761	414
*S56A	A	1,255,380	1056	610
*S53WW	A	968,013	968	531
*S54X	7	73,188	198	160
*S57WW	A	1,312	35	32
Spain				
ED7R	A	5,235,648	2400	888
		(OP: EA7X)		
EC3A		3,137,070	1922	795
EF1C	14	309,738	649	418
EA5M	A	247,312	501	328
EE3M	1.8	188,552	357	259
		(OP: EA3CX)		
*EA3CJ	A	587,674	602	403
*EA5/RV2A	A	150,945	335	249
*EA3V	3.5	7,614	57	54
*EA3WX	A	7,198	66	61
*EA2CAR	14	85,792	261	224
Sweden				
SC8N	7	935,456	809	496
SM3PZG	A	134,208	298	233
*SF8W	A	431,148	662	372
		(OP: SM6EWS)		
*SM5CSS	A	419,759	576	365
*S1SA		152,568	291	234
		(OP: SM5LU)		
*SM7CIL		72,996	190	158

Switzerland				
*HB9AJY	A	194,208	394	272
*HB9FBA		69,696	220	176
*HB9DXB		59,840	264	187
*HB9BXB		43,218	178	147
Ukraine				
EM5K	A	3,880,375	2075	839
		(OP: UX0KZ)		
UX7IW		1,165,164	1088	582
UX2SD	21	867,698	965	598
UX2MF	A	430,390	597	386
UR1HR	21	252,756	599	384
UT9UD	1.8	213,192	393	282
UR8GH	3.5	189,956	373	281
UT7ZM	A	103,880	295	212
*UT3SO	A	763,047	896	479
*UT7EZ		491,904	873	459
*E030UA		248,055	578	345
*UY5TE		205,500	525	274
*UR8UJ	21	162,000	386	300
*UY5BQ	A	143,676	297	234
*UR7HLU	14	135,680	312	265
*UT3ZU		115,570	289	254
*UYWQ	21	113,784	335	264
		(OP: UR6OS)		
*UT5UT	28	75,960	272	211
*UR5FM	21	58,506	167	139
*UR5UJ	A	26,091	142	117
*UR5WC		21,120	150	120
*UR5LJA	A	17,430	93	83
*UT5KL	7	2,001	69	69
*UY7LM	A	334,780	596	380
*UY1W		41,026	198	146
Wales				
*MW6M	A	234,479	402	287
		(OP: GW4BVJ)		
OCEANIA				
Australia				
VK2PN	A	394,800	414	282
VK7GN		260,536	329	232
Hawaii				
WH7T	A	3,187,921	1488	671
		(OP: WH7W)		
Indonesia				
*YB2MM	A	208,902	313	222
*YB8RW		162,514	317	166
*Y1PZ		7,446	54	51
*YD9VE	7	248	8	8
*YB2CTE		66	12	11
*Y9CXYP	28	45	5	5
New Zealand				
ZL2AGY		240,108	242	187
ZM1A	14	8,949	59	57
		(OP: ZL3CV)		
*ZL2RX	21	1,550	26	25
Philippines				
*DU1XX	21	111,843	275	183
SOUTH AMERICA				
Argentina				
LUB8EK	A	36,394	112	98
*LU6VA	A	1,508,165	1034	547
*LU7GFH		3,290	38	35
*LU1DQQ	3.5	2,324	9	9
*LU6UAL	14	3	3	3
Aruba				
P48Y	A	10,094,446	2613	959
		(OP: A95B)		
*P42A	A	4,638,045	1749	723
		(OP: K9KA)		
Brazil				
PR7AB	14	1,572,636	1036	603
*PY2NY	14	464,187	465	359
*PY2RSA	21	413,655	342	278
*PW7P		47,082	160	133
		(OP: PR7AR)		
*PY2BN	A	240	12	12
Peru				
OA4SS	A	998,820	785	394
Uruguay				
*CX2AQ	28	493,142	139	106

*KA2K	*	181,900	277	214
*KS2G	*	111,024	287	216
*NY6DX	*	107,308	288	193
*KW2O	*	60,568	151	134
		(OP: KA2D)		
*KY2T	*	44,352	219	154
*WY2K	*	12,352	65	64
District 3				
N3QE	A	6,386,088	2456	959
WR8AA		3,189,410	1288	805
		(OP: N4ZP)		
K3MD	*	2,287,440	135	706
W2CDO	*	1,932,560	1055	959
N3NSI	*	1,262,250	883	510
		(OP: K3EW)		
N3EEN	*	1,057,336	893	478
WA3AER	*	964,376	857	476
N3FZ	*	867,225	689	465
K3AU	*	815,490	587	442
		(OP: K2YWE)		
WA3AAN	7	413,275	480	305
AC3U	A	357,027	554	341
		(OP: W3UL)		
K3GW	14	350,020	456	370
N3XL	A	156,992	299	223
N3YB	*	82,026	251	189
N3KJ	*	59,660	153	106
K3ISH	14	7,920	56	53
*WR9GA	A	1,175,944	1027	506
*NJ3K	*	1,085,148	1028	516
*N3HCN	*	992,438	914	482
*K3ORC	*	32,966	125	106
*K2RK	14	29,391	108	97
*K3HW	14	19,656	122	103
*AC5XK	A	80,472	279	168
District 4				
NN3W	A	2,467,188	1239	684
KQ4R		2,344,620	1635	690
N4IQ		1,637,196	1270	628
KR4Z	21	942,390	169	555
N4FA	A	759,520	950	470
K2WK	*	691,680	669	393
NN4SS	*	611,534	578	418
N4FP	*	556,808	731	427
KT4Q	*	526,422	553	397
W56X	*	348,770	509	353
N5JF	*	321,912	415	316
WN1GV	28	269,864	69	316
		(OP: N4BP)		
W2XYZ	A	219,221	366	257
NZ4N	*	163,784	328	236
K3DNE	14	109,568	253	214
K5VIP	A	41,446	108	106
NX4N	7	29,800	85	76
K6OL	7	20,497	115	103
*WA4PA	A	1,329,120	907	585
*WN4AFP	7	763,994	732	451
*WC4E	A	743,386	625	406
*N2FT	*	467,744	630	376
*K4OSO	*	222,372	386	261
*K4FN	7	212,940	292	234
*N0OJ	A	186,588	268	203
*N8J	*	107,399	311	211
*K4GM	*	71,412	154	132
*WANBS	*	70,192	221	164
*K3ZGA	*	35,742	181	138
*N4ARO	7	23,458	76	74
*K3TAV	A	2,126	35	33
*K3UT	14	2,704	37	36
*W4SCP	*	418	19	19
		(OP: WA0JLM)		
*WSNZ	21	240	12	12
*W4QO	A	212,898	402	274
District 5				
NN5O	A	321,080	585	380
W5XYOM	14	65,275	205	175
NM6E	*	47,232	192	144
W5AP	*	32,750	139	125
K5IB	14	9,453	71	69
*N5XE	A	371,565	547	345
*NN5T	*	327,502	474	314
*K5ME	*	188,100	409	285
*AC5V	*	4,320	66	54
*K5PAR	7	161	7	7
*W5EJD	A	30	10	10
*N3CI	A	2,268	30	28
District 6				
N6MI	A	768,240	960	485
W6SX	*	653,668	990	412
AG6AU	*	615,560	779	440
		(OP: W1RH)		
AK6M	*	447,200	614	416
		(OP: K6MM)		
KE1B	*	416,185	619	385
KOXP	*	322,134	553	318
NM6DX	*	254,510	430	310
		(OP: W1RP)		
WE6Z	*	216,783	473	279
AI6Z	14	152,328	306	264
KD6X	A	139		

VE3YAA	District 6 1,468,640	966	536	DR4A DPA DBQFFR DJ1XT	Fed. Rep. of Germany 9,564,370 3103 1270 6,705,468 2590 1148 2,467,105 1496 821 758,219 701 473
VA7OO VE7FO	District 7 617,875 302,918	637	375 281	OH2A OH2BAH	Finland 5,129,702 2615 1018 1,878,135 1382 651
RK9CYA	ASIA Asiatic Russia District 9 301,860	406	270	TM2Y TM1D FSKSE	France 9,112,520 3545 1114 423,157 537 427 45,530 169 145
BY8DX BY5EA BY1AS BG7JWW BY6LY BY1HAM	China 3,769,534 1945 758 2,445,378 1676 642 988,430 993 485 666,484 994 364 620,077 952 383 67,606 337 154			SZ1A	Greece 5,521,912 2965 958
JA1ZGO	Japan District 1 1,292,276	968	538	HG6N HG8A HA3DX HA5OKKC	Hungary 14,828,375 4648 1375 13,926,528 4026 1408 7,534,480 3163 1060 2,084,818 1477 706
JL3ZHU	District 3 21,150	123	94	IQ8SN IIBK	Italy 12,267,944 3745 1432 10,103,709 3855 1337
JG6VLY	District 6 1,671,705	1293	549	LY2XW LY2NY	Lithuania 7,071,544 3107 1052 2,357,758 1473 767
E2E	Thailand 688,324	723	403	SP8R SN2B	Poland 12,843,035 3927 1409 9,564,944 3566 1208
9M2S	West Malaysia 1,479	20	17	YR7J	Romania 3,234,114 2038 813
OH0W	EUROPE Aland Islands 11,761,470	4210	1323	YT6T	Serbia 142,754 379 274
9A7A	Croatia 17,211,152	4712	1514	OM4Q	Slovak Republic 6,623,673 2899 1099
OK5Z OK7O OL1C OK1KKI	Czech Republic 13,418,990 3693 1417 10,591,414 3560 1226 6,150,924 2708 1011 994,570 1037 542			S52C S59T	Slovenia 5,249,220 2692 983 2,808 39 39
G5O	England 4,308,005	2036	955	SM2U SJ0X SK0QO	Sweden 4,824,675 2355 1025 3,356,947 2128 869 1,208,000 1007 604
ES9C	Estonia 21,147,547	5935	1579	EN4U UR4NWW	Ukraine 3,598,372 2304 838 40,612 192 143
RU1A	European Russia District 1 16,731,396	5349	1452	VK5GR	OCEANIA Australia 366,212 412 287
RL3A RY5A	District 3 20,359,070 574,128 654 443	5770	1577	7A1A 7D1C	Indonesia 1,235,934 853 454 106,090 212 156

**MULTI-OPERATOR
SINGLE-TRANSMITTER
LOW POWER**

NORTH AMERICA

*9A7T	Croatia 5,760,584	2306	1047
*OL1B	Czech Republic 321,000	549	375
*M08QC	England 321,195	580	345
*RG5A	European Russia District 3 7,418,322	2911	1194
*RK4HYT	District 4 626,630	796	446
*DP7D *DQQL *DQ4X	Fed. Rep. of Germany 8,324,826 3023 1182 5,521,516 2618 1001 4,534,750 2051 1067		
*HG21TISZA *HG6L	Hungary 4,181,450 2418 919 3,517,749 1845 951		
*LY2J	Lithuania 3,123,184	1911	848
*3A/W1RBI	Monaco 287,360	486	320
*3Z1K *SN1921PS *HF100CHC *SP8PDE	Poland 4,938,491 2384 943 419,600 604 400 7,625 68 61 90 9 9		
*CS5LX	Portugal 55	11	11
*YO4KAK	Romania 37,200	195	150
*YU6R	Serbia 8,353,065	3091	1185
*HB9AA	Switzerland 2,936,898	1775	842
*UW6M *U25P	Ukraine 1,116,536 1219 599 379,028 622 394		
*C7A	Vienna Intl Ctr 1,838,538	1520	702

ASIA

Asiatic Russia

*RU0LL *ROMM	Asiatic Russia District 0 357,420 811 259 18,164 124 76		
*TC3N	Asiatic Turkey 3,472,431	1638	717
*BD7DT *BY4DX *BY7KP	China 1,773,695 1183 595 816,837 978 401 547,920 955 360		
*JK2VOC	Japan District 2 616,144 884 388		
*D70LW	Republic of Korea 179,550	537	210
*9M4CPS	West Malaysia 61,908	202	154

EUROPE

Austria

*OE2S	Austria 4,754,074	1913	1079
*E7CW	Bosnia-Herzegovina 4,137,443	2144	947
*SX9V	Crete 4,008,300	2051	930

N1SOH NN1AA	703,800 593,681	714 487	425 341
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NORTH AMERICA

4A7A	1,208,547	1054	459
ASIA	2,868,326	1887	673
JF1NHD BA7QT BY1CY	2,005,545 1,509,770	1537 1597	589 535

EUROPE

LZ9W YT5A OL4A LN6W EI2W YT5L LY2ZO 9A8M	30,860,820 30,680,815 24,554,400 24,512,415 4,367,643 238,854 17,228 1,770	8930 8520 7026 7186 2622 511 107 30	1609 1627 1560 1535 863 329 99 30
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OCEANIA

VK4KW	5,106,886	2040	767
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**MULTI-OPERATOR
MULTI-DISTRIBUTED**

United States	30,311,008	7767	1487
WW1X NT0EE KZ1W	4,068,848 2,627,749	2885 1746	864 751

ASIA

UC0B VR2CC 9M2SAL *JK2ELU/J	35,176,680 1,051,648 446,281 217,800	7146 1246 601 762	1485 416 319 220
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EUROPE

OP0HQ LY73BB EA1URA YR0K *IF2X IQ10N MX4Y 9H6A DC6O YL21ICE *9A10FF I29VKW DK0DI *G4EKT	19,476,864 16,334,400 7,590,060 6,923,165 6,275,550 4,790,330 4,579,238 4,431,660 4,026,840 3,332,103 1,349,786 338,136 210,372 2,706	5909 5625 3530 3544 3912 2569 2294 2746 2122 2398 1272 531 392 44	1408 1328 1132 1031 1070 1010 983 932 807 807 634 282 281
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SOUTH AMERICA

PT5T *ZV2F	23,236,390 14,616	4881 83	1321 72
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CHECK LOGS

4U1UN, 8N10LP, 8N70LP, 9A2X, 9A7Y, 9M6ZAE, 9V1KG, AA5AU, AB18X, AB5XM, AD7MC, AE6BH, AF6GA, A19K, AU2HFI, BA5AB, BD7OB, BH8PHG, BI4VIP, CO2CW, CO2JD, CX1AA, CX2DK, D07CW, DF2K, DF3NW, DJ6ZM, DK3RED, DK6SR, DL1DD, DL2DXA, DL3HW, DL2FJ, DL6FBR, DL6GBL, DL6KWU, DL6NDW, DL6OAA, DL6RAI, DL8IH, DL8MB, E70T, E74Y, EA2AGV, EA2GP, EA3FNT, EA4GOY, EA4MY, EA5JAB, EA6EJ, EC7AKV, ED7G, EI6KW, EI7CC, ER3DX, ES2RR, EU1KY, FJ6ZM, EW4R, EW7DK, F9WTF, F5N2Y, F5VBU, F6HBR, FK6PO, F8AKG, F8FQJ, G7PZV, GM4AUF, HA3MN, HA7PO, HB9AFZ, HB9CIC, HB9ON, HF6C, HV0A, IK0BH, IT9PPG, IU8MOA, IV3ARJ, IV3IXN, IV3TRK, IZ3VTH, IZ4KBW, J4LJ, JE1CAC, JE4IVN, JF1VYX, JH1FSB, JH3BFC, JI2QXJ, JK1TCV, JR9CPT, JT1CS, K1SX, K3WWT, K5LGX, K5LH, K6VIL, K7EA, K7G7C, K8DE, K8RKB, K8YD, KG5GD, KG6T, K17PKL, KM6CPF, KN8U, KO8SCA, KP4K9AW, LA7THA, LC0C, LG9L, LS2D, LT5A, LU1ICX, LU5DF, LW5HR, LY1CT, LY2BNL, LY3NX, LZ/S55M, LZ0M, LZ1JZ, LZ1ND, LZ1UK, LZ3FN, LZ3YV, LZ3ZZ, LZ5KW, LZ7DK, MCOVO, M2UJ, M54B, N2BZD, N4EFS, N6HCN, N6WTF, N8OO, N8ONT, NA9J, NS4T, OG60BBM, OH1NPM, OK1DM, OK1DWC, OK1FMX, OK1TK, OK2AP, OK2BHD, OK2BOB, OK2CSU, OK2FB, OK2FD, OK2PAY, OK2VWB, OK3C, OK7SX, OM2ZZ, ON4LDP, OS7AR, OV5O, OZ8TL, PA2ST, PA3DZM, PA3I, PA7JWC, PUJAJ, PX1C, PY1NP, PY4NF, PY7OJ, R0RG, R2PA, R4SA, R6KY, R6YV, R7NK, R9AB, R9PS, RA0R, RA3VGS, RA4WE, RA5W, RA6FUZ, RA6YDX, RA9DZ, RD9CX, RG7K, RL9L, RM2A, RM4C, RN4WA, RT3G, RT6C, RU3A, RU6AV, RU6K, RU7K, RV1OO, RW3AG, RW9LL, RX6CB, RY7Y, RZ3F, S51J, S51F, S52MM, S52VD, S52WW, S58WW, SC3A, S5M, S5GZ, SM0FFR, SM0HRP, SM0Q, SM2OTY, SN5Y, SN6S, SP2GOW, SP2HMT, SP4F, SP4G, SP4TKR, SP4W, SP6HEQ, SP6NVN, SP6OWY, SP7CDH, SP9RCL, SO8L, SO9JK, SO9NFC, SV1GRB, SV3DCX, SV3RF, SV8PMM, TF0CQ, TF3JB, TF3SG, TKSJH, TMS5E, UA0QNV, UA0EDQ, UA3GX, UA4ANAL, UA6EC, UA7K, UA9LBQ, UD4F, UG1B, UN7FW, UR3QGJ, UR5E, UR5WCW, UR7M2, UR8UX, US2MT, US5EEK, USSIQW, US8ZAL, UT5AX, UT7E, UT7IS, UW7CN, UW7W, UX2IJ, V73NS, VA2EW, VA2JG, VA3OB, VE2ZVA, VP8NO, VU3BYD, VU5EJ, W0CEP, W2TZ, W3NO, W3OT, W3RE, W4Y7L2QD, W6SY, W8/LZ2SX, WA4TTK, WA8CLT, WK8T, W050O, WW3S, YC7YGR, Y03FRJ, Y04GVC, Y04MM, Y04NA, Y04NF, Y05FMT, Y06KGS, Y09CB, YU1LD, ZF5T, ZL2AIM, ZL4AS, ZX2E.

Looking Ahead

Here are some of the articles we're working on for upcoming issues of CQ:

- Technology Special in December!**
- Arduino ARDF Beacon
- Centennial of the 1921 Transatlantic Tests
- A Deep Dive Into End-Fed Half-Wave Antennas
- Plus...**
- New column: "Ham Radio Explorer"
- Rules, 2022 CQ WPX RTTY Contest
- Upcoming Special Issues**
- February:** QRP
- June:** Take it to the Field
- October:** Emergency Communications

Do you have a hobby radio story to tell? Something for one of our specials? CQ now covers the entire radio hobby. See our writers' guidelines on the CQ website at <http://bit.ly/2qBF0dU>.



SUBSCRIBE TO THE PODCAST

LIVE STREAMING
ON YOUTUBE

SOUTH AMERICA

*XQ3WD	Chile 398,456	422	288
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**MULTI-OPERATOR
TWO-TRANSMITTER**

NORTH AMERICA

United States	16,972,659	5099	1329
NI4W NS1DX KW1K NJ6G NW7Y W73K W4IX KT7E KN6J K3CCR K3CT NY6Y	11,777,952 9,929,360 9,724,010 8,599,022 7,194,048 4,528,684 3,398,920 2,667,324 1,983,870 620,466 13,724	3713 3683 3553 3453 2858 2013 2017 1824 955 638 111	1264 1190 1159 1073 1068 892 796 726 658 462 94

NORTH AMERICA

KL7RA VA7AA VA7DX	14,039,808 6,828,401 4,539,060	3783 2316 2142	1212 955 739
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ASIA

JH9YOH E2A B1Z BG6SNJ BY3GA	7,246,204 4,969,544 4,120,351 1,391,668 932,124	3108 2216 2283 1189 1057	959 824 757 556 449
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EUROPE

OM7M OL3Z UA4M HG7T DN6V IO1T LY4A RA5G OZ5E DA0T HB7X	27,181,924 22,302,826 20,901,622 20,689,970 18,400,732 17,039,588 14,391,244 13,637,568 9,869,569 5,931,675 4,472,250	6884 6114 6914 5684 5180 4995 4646 5389 3358 3054 2189	1582 1534 1526 1506 1462 1456 1379 1344 1273 1025 1005
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OCEANIA

KH6LC	13,700,517	3649	1077
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**MULTI-OPERATOR
MULTI-TRANSMITTER**

United States	16,947,487	5666	1349
ND7K NR6O	10,794,386	4328	1153