

# 2013

## WAEDC & WAG RESULTS 2013 WAEDC & WAG RULES 2014



**Oliver Bock**  
**DJ9A0**



# Worked All Europe DX Contest (WAEDC)

The Deutscher Amateur Radio Club (DARC) invites radio amateurs world wide to participate in the annual WAE DX Contest.

## 1. Times:

CW: August, second full weekend  
Saturday, August 9, 2014, 0000 UTC until Sunday, August 10, 2014, 2359 UTC  
SSB: September, second full weekend  
Saturday, September 13, 2014, 0000 UTC until Sunday, September 14, 2014, 2359 UTC  
RTTY: November, second full weekend  
Saturday, November 8, 2014, 0000 UTC until Sunday, November 9, 2014, 2359 UTC

## 2. Bands: 3.5 - 7 - 14 - 21 - 28 MHz

According to IARU recommendations operation should be avoided outside contest-preferred segments. No operation to take place on:  
CW : 3560-3800; 7040-7200; 14060-14350 kHz  
SSB: 3650-3700; 7050-7060; 7100-7130; 14100-14125; 14300-14350 kHz.

## 3. Categories:

- Single-OP Low  
Max. output 100 watts - all bands. Only one signal permitted at any time.
- Single-OP High  
Output higher than 100 watts - all bands. Only one signal permitted at any time.
- Multi-OP  
Band changes are allowed every 10 minutes; this includes all activities of a main station, including QSO & QTC traffic and CQing. Only exception: Working of a multiplier. Other transmitters may be used in parallel to the main station to work multipliers on other bands.

### Notes:

- Transmitters, receivers and antennas used in the contest must be located within a 2 km diameter circle.
- The use of DX spotting nets is allowed in all categories.

## 4. Off times:

Single Operator stations may only operate 36 out of the 48-hour contest period. Off times must be a minimum of 60 minutes during which no QSO is logged.

## 5. Exchange:

A contest QSO can only be conducted between a European and a non-European station (exception: RTTY, see part 12). The exchange consists of RS/RST and a progressive serial number starting with 001. If the station worked does not send a serial number, log the contact with number 000. Each station can be credited only once per band.

## 6. Multiplier:

For non-European stations the multiplier is the number of countries defined in the WAE Country List (see below) worked per band.

For European stations every non-European DXCC entity counts as a multiplier. **Exception:** In the following countries up to ten numerical call areas count as multipliers: W, VE, VK, ZL, ZS, JA, PY and RA8/RA9 and RA0 - without respect to their geographical location.

Examples: W1, K1, KA1 and K3.../1 count as W1; VE1, VO1 and VY1 count as VE1; JR4, 7M4 and 7K4 count as JA4; ZL2 and ZL6 are two different multipliers.

Multiplier bonus: Country multiplier points are "weighted" by band. Multiply the number of countries worked on 3.5 MHz by four, on 7 MHz by three, and on 14/21/28 MHz by two. The total multiplier is the sum of the weighted multiplier points of all bands.

## 7. QTC Traffic:

Additional points can be achieved by QTCs. A QTC is the report of a contest QSO back to a European station (exception: RTTY, see part 13).

The following rules apply:

- A QTC contains time, call sign and serial number of the reported QSO. Example: "1307 DA1AA 431" means that DA1AA was worked at 1307 UTC and sent serial number 431.
- Each QSO may only be reported once as a QTC. The QTC may not be reported back to the original station.
- Every QTC that was correctly transferred, counts one point for the sender and one point for the receiver.
- Two stations may exchange up to 10 QTCs maximum. The two stations may establish contact several times to complete the quota.
- QTCs are transferred by means of QTC series. A QTC series is a block of one (minimum) to ten (maximum) QTCs. QTC series are numbered using the following scheme: The first figure is the progressive serial number starting with one; the second figure denotes the number of QTCs in the series. Example: "QTC 3/7" means this is the third QTC series transmitted by this station and it contains seven QTCs.

- For every QTC series that is transmitted or received, the QTC number, time and frequency band of the QTC transmission must be logged. If any of this data is missing from your log, no credit will be given for this QTC series.

## 8. Scoring:

The final score is the result of total QSOs plus QTCs on all bands multiplied by the sum of all multipliers weighted by the band bonus factor (see part 6).

## 9. Disqualification:

Violation of the rules of the contest or unsportsmanlike conduct will be deemed sufficient cause for disqualification. The decisions of the contest-committee are final.

## 10. Submissions:

URL: <http://www.waedc.de>  
Messages to contest manager (no logs): [waedc-info@dxhf.darc.de](mailto:waedc-info@dxhf.darc.de)

Logs need to be sent in STF or Cabrillo-Format to the following e-mail address:

WAEDC CW : [waecw@dxhf.darc.de](mailto:waecw@dxhf.darc.de)  
WAEDC SSB : [waessb@dxhf.darc.de](mailto:waessb@dxhf.darc.de)  
WAEDC RTTY : [waertty@dxhf.darc.de](mailto:waertty@dxhf.darc.de)

Be sure to put the station call sign into the subject of each message.

By submitting an electronic log, the participant claims to fully accept the rules of the contest. A written declaration is not necessary. Note: After publication of the results all logs will be put into the DARC Contest Logbook (DCL).

Hand-written logs:

After the contest use a proper logging program or LM by DL8WAA to enter your data. See Link: <http://contestsoftware.com/e/home.htm>

If you do not have a computer, please ask a friend or family member to import the log.

## 11. DX & Contest Club Competition:

The club score is calculated by adding the final results of all participating club members in all three WAE contests, excluding SWLs. To be counted, the name of the club has to be indicated in the log on a separate header line using the keyword "CLUB".

The club must not be an official national amateur radio club. For a club to be listed, a minimum of three logs must be submitted.

A trophy is sponsored for the top DX (non-EU) and the top EU clubs.

For DL stations participating in the German DARC/VFDB-Clubmeisterschaft put your DOK in the log on a separate header line using the keyword "SPECIFIC".

## 12. Special Rules for RTTY:

In the RTTY portion of the WAEDC there are no continental limits; everybody can work everybody. Only QTC traffic must be performed between different continents.

Every station may send and receive QTCs. The sum of QTCs exchanged between two stations (sent plus received) must not exceed 10 (ten).

The European and non-European multipliers indicated in part 6 count for all stations.

## 13. Log Deadline:

Log deadline is always **two weeks** or, more specific, the third Monday after the end of the contest.

CW: August 26; SSB: September 30; RTTY: November 25, 2013.

## 14. Criteria for WAEDC Awards and Plaques:

Continental winners will receive a plaque. Printable online certificates will be available for all stations on result publication.

Entries from countries split by numerical call areas for multiplier reasons (see part 6) will be listed according to their reported location within their respective geographical call area.

Stations who activate a WAE country for the WAEDC from where no log was received over the last three years will be recognized as "WAEDC Hero" and receive a special prize. For 2014 these countries are: [...].

Stations who have been in the Top-Ten/Top-Six list for at least five times may apply for a special plaque.

The WAEDC committee reserves the right to honour special contest activities with additional plaques.

**WAE Country List:** 1A0, 3A, 4O, 4U1, 4U1V, 9A, 9H, C3, CT, CU, DL, E7, EA, EA6, EI, ER, ES, EU, F, G, GD, GI, GJ, GM, GM/s, GU, GW, HA, HB, HB0, HV, I, IS, IT, JW, JW/b, JX, LA, LX, LY, LZ, OE, OH, OH0, OJ0, OK, OM, ON, OY, OZ, PA, R1F, RA, RA2, S5, SM, SP, SV, SV/A, SV5, SV9, T7, TA1, TF, TK, UR, YL, YO, YU, Z6, Z3, ZA, ZB. [R1M removed]



# 59th European DX Contest (WAEDC) CW 2013

Results by DF7ZS, DF1QR, DL2NBY, DJ4MH, and DL6MHW

## Continental Winners

### Single Operator, High Power

Africa	V55V
Asia	RG9A
Europe	DL1IAO
North America	AA3B
South America	PW2D
Oceania	VK6AA

### Single Operator, Low Power

Africa	3V8BB
Asia	TC2C
Europe	UW5Q
North America	WA1Z
South America	PY2NY
Oceania	ZL3IO

### Multi Operator

Africa	
Asia	HS0ZIA
Europe	DM6V
North America	VY2ZM
South America	PW1A
Oceania	ZM1A

### SWL

Africa	
Asia	
Europe	
North America	
South America	
Oceania	

These are the final scores of WAEDC CW 2013. For this contest we used a database containing 476179 QSOs and 419838 QTCs created by 1469 different entrants. A total of 9551 callsigns is estimated to have been on the air. 378602 of all contacts could be crosschecked directly log to log. 86083 of the contacts could be verified indirectly by tracking active callsigns in the database that have not submitted a log. The remaining 11494 contacts represent 'uniques' or 'rare calls' but are left in the database. Thus, one can say, that 97.6% of all contacts could be verified, leaving only a very small amount of doubtful QSOs. Thanks to the whole WAEDC team DF1QR, DL2NBY, DJ4MH and DL6MHW for the log checking and the software updates.

## Top Scores

Call	Score	QSOs					all	QTCs		Multipliers				
		80	40	20	15	10		80	40	20	15	10	all	

### Top Ten Single Operator, High Power

Europe														
DL1IAO	3223008	56	186	441	525	40	1248	3084	132	210	172	172	58	744
RW1A	2836709	58	206	534	504	11	1313	2688	148	207	166	166	22	709
RL3A	2762211	57	219	564	485	24	1349	2614	128	195	172	164	38	697
ES5RR	2710565	51	212	468	561	26	1318	2473	136	213	170	162	34	715
LX7I	2612031	49	237	468	544	34	1332	2311	116	195	172	176	58	717
SN7Q	2507714	57	220	572	628	29	1506	2171	112	186	164	168	52	682
YP9W	2474739	37	221	521	425	15	1219	2858	96	177	158	148	28	607
DL7ON	2353270	68	228	475	361	17	1149	2237	144	201	160	158	32	695
DK9PY	2286912	47	214	559	495	48	1363	1961	108	198	164	164	54	688
UA5C	1918210	49	187	500	402	26	1164	1699	112	192	172	164	30	670

### Non-Europe

V55V	2451570	101	452	592	779	553	2477	2330	124	126	90	88	82	510
EF8U	2435791	112	429	617	744	316	2218	2235	132	129	110	106	70	547
RG9A	1877514	98	427	704	663	73	1965	1996	120	132	100	92	30	474
UA9CDV	1822590	121	432	594	605	80	1832	1850	132	135	100	90	38	495
AA3B	1750329	74	337	772	789	9	1981	1988	100	129	100	98	14	441
VE3AT	1679040	88	248	748	889	2	1975	1985	108	114	100	98	4	424
4L8A	1662832	105	497	776	586	92	2056	1980	88	120	92	76	36	412
K1RX	1654114	94	302	694	626	9	1725	1817	132	123	102	96	14	467
K3WW	1482825	71	250	656	758	17	1752	1737	104	117	96	94	14	425
K1MK	1350672	87	218	572	602	8	1487	1475	124	126	98	94	14	456

### Top Ten Single Operator, Low Power

Europe														
UW5Q	1910800	25	183	347	373	14	942	2458	64	168	148	160	22	562
DK0AN	1723125	33	140	343	384	36	936	1821	92	153	160	166	54	625
S57DX	1682048	21	166	416	255	24	882	2210	64	162	148	130	40	544
DL9EE	1536800	18	121	343	336	23	841	1879	72	159	138	150	46	565
OR2F	1404095	31	137	245	250	24	687	1918	96	147	134	124	38	539
DL1MAJ	1080404	19	135	353	296	23	826	1228	56	150	142	144	34	526
SN2K	1010710	23	147	432	387	8	997	910	52	162	148	152	16	530
LY5W	943290	31	81	247	222	11	592	1415	80	114	126	130	20	470
R7MM	917145	18	91	292	233	14	648	1413	32	123	140	128	22	445
DF1MM	866285	12	112	219	229	23	595	1260	40	129	122	138	38	467

### Non-Europe

3V8BB	1631520	172	444	374	509	318	1817	1479	136	129	82	82	66	495
TC2C	1613696	244	466	548	255	277	1790	1812	132	120	78	64	54	448
UN9L	1341489	106	383	690	449	11	1639	1577	104	123	96	86	8	417
WA1Z	1139670	39	390	583	486	2	1500	1515	64	126	100	84	4	378
RA9AP	1135090	59	369	561	502	20	1511	1524	68	114	92	90	10	374
RA9DZ	1055324	44	273	638	397	8	1360	1374	64	126	100	86	10	386
7Z1SJ	1001324	0	288	439	456	261	1444	1450	0	114	86	80	66	346
4L6QC	923115	114	283	429	339	26	1191	1146	96	105	86	78	30	395
UA9KAA	737660	56	237	643	254	0	1190	1205	52	108	88	60	0	308
K1IMI	693780	6	164	507	434	4	1115	1123	20	108	88	86	8	310

### Top Six Multi Operator

Europe														
DM6V	3919370	31	236	606	666	37	1576	3534	116	201	188	188	74	767
DL1A	3527972	42	256	588	604	32	1522	3042	140	201	186	184	62	773
HA30S	3463290	29	109	632	615	46	1431	3114	116	198	184	182	82	762
HG7T	3370368	58	249	615	629	38	1589	2699	152	216	176	172	70	786
DR0W	3272170	37	204	578	587	48	1454	2880	128	213	174	170	70	755
IR2C	3192116	55	233	554	597	44	1483	2926	124	198	166	172	64	724

### Non-Europe

VY2ZM	2602152	219	532	865	918	28	2562	2601	156	126	104	96	22	504
PW1A	2173552	133	462	388	806	246	2035	2113	136	126	90	94	78	524
NY4A	1920312	65	423	830	799	22	2139	2157	108	123	100	92	24	447
K1LZ	1749753	60	328	751	809	19	1967	1930	108	129	96	96	20	449
HS0ZIA	1222238	47	233	640	567	69	1556	1586	84	105	82	80	38	389
RC9J	1170699	106	413	644	449	0	1612	1649	104	105	80	70	0	359



PA0RRS	4150	50	0	83	UT6EE	28200	141	0	200	DM8FW	T19	134880	394	168	240	
PA2ALF	2940	49	0	60	UW3U	21720	156	25	120	DL4AUK	X32	132825	222	353	231	
<b>Slovenia</b>					US4IRT	12771	99	0	129	DK7GH	A05	132655	232	385	215	
S52AU	120099	399	0	301	UR2VA	10918	103	0	106	DL8UCC	Y24	127349	175	192	347	
S51DX	3248	49	9	56	US5LO	10400	104	0	100	DK8TU	A44	117480	240	200	267	
S52WW	420	15	0	28	UT5C	8424	65	91	54	DL1EAL	R04	110192	222	346	194	
<b>Sweden</b>					UT2II	8232	84	0	98	DL4UCS	X04	106248	227	229	233	
SK2T	1213625	889	1486	511	UR5EPG	6901	67	0	103	DJ6TK	M03	105479	269	204	223	
SM6E	325864	531	527	308	US0UX	2170	31	0	70	DL6AWJ	X23	103480	276	122	260	
SM4DQE	239304	403	273	354	UX3IT	0	0	0	0	DF8XC	N01	98084	171	281	217	
SE6Y	131320	392	0	335	<b>Latvia</b>					DK2WU	U14	94276	210	271	196	
SA1A	54752	157	307	118	YL2PP	82040	218	62	293	DL2LRT	S36	92988	268	19	324	
SM5COP	5694	71	2	78	YL2KO	57081	359	0	159	DJ7YT	M11	92352	241	203	208	
<b>Poland</b>					<b>Romania</b>					DQ7A	B20	89676	196	227	212	
SN7Q	2507714	1506	2171	682	YP9W	2474739	1219	2858	607	DJ3CQ	C06	89305	337	0	265	
SP2LNW	1285830	938	1260	585	YO9HP	1115120	826	1278	530	DL7ANR	D06	88976	273	59	268	
SP9LJD	311253	816	51	359	YQ6A	563248	652	846	376	DL1HAA		85064	343	0	248	
SP4Z	229497	226	455	337	YO8DOH	324465	601	514	291	DL5RDP	U01	84755	253	0	335	
SN6A	203606	533	0	382	YR6M	30212	166	0	182	DL5AOJ	X34	81832	240	184	193	
SP9GR	153300	511	0	300	YP5T	3976	56	0	71	DG7EE	S54	79002	207	135	231	
SP3ASN	103329	387	0	267	<b>Serbia</b>					DL1NKS	B24	77720	268	0	290	
SP5GH	76125	175	0	435	YT9M	234465	722	13	319	DO6PS	C25	75936	165	626	96	
SN0RX	53100	295	0	180	YU7KM	65016	252	0	258	DL5SVB	V18	74970	294	0	255	
3Z5W	37700	325	0	116	YT8A	46814	158	105	178	DF8TM	P50	71732	219	97	227	
SP9MZH	35376	160	376	66	YT2ISM	9656	142	0	68	DK9BM	I38	67940	171	259	158	
SQ7B	28490	185	0	154	YU7FN	5544	57	42	56	DM6DX	D06	62976	246	0	256	
SP4GL	16744	104	0	161	<b>Single Operator, Low Power, Europe</b>					DL7AT	E38	61344	284	0	216	
SP2HMN	12656	112	0	113	<b>Croatia</b>					DJ2AX	X20	60075	249	18	225	
SP7IIT	6138	62	0	99	9A3QB	21336	127	0	168	DK3QN	T19	58904	205	193	148	
SP3BGD	32	4	0	8	9A/DG7RO	6256	47	89	46	DL3DQL	S02	57820	295	0	196	
<b>Iceland</b>					<b>Portugal</b>					DL3KWF	V11	57810	239	43	205	
TF/LX1NO	85004	538	0	158	CT1JPK	126666	454	0	279	DL7VHP	Y34	53770	283	0	190	
TF3W	1288	46	0	28	<b>Germany</b>					DL1DAW	O47	52875	159	66	235	
<b>European Russia</b>					DK0AN	B02	1723125	936	1821	625	DL6ON	Z84	51660	205	0	252
RW1A	2836709	1313	2688	709	DL9EE	M11	1537365	841	1880	565	DM3F	S07	48923	189	52	203
RL3A	2762908	1349	2615	697	DL1MAJ	C25	1080404	826	1228	526	DM3ZM	Y28	47908	196	40	203
UA5C	1918210	1164	1699	670	DF1MM	I18	866752	595	1261	467	DL1MFZ	C06	47564	190	63	188
UA4L	735678	585	1192	414	DL5MAE	C25	845760	509	1253	480	DL1HBT	G16	46081	227	0	203
RV3A	675980	618	842	463	DF4PD	G23	830277	502	1217	483	DM5JL	S04	39104	188	0	208
RK3ER	570468	630	758	411	DJ8EW	C25	764000	656	1344	382	DM2FDO	D25	38127	213	0	179
RA3NC	482724	616	603	396	DL9ABM	H07	763010	497	1364	410	DM5EE	H46	37875	276	27	125
R7LV	405189	395	766	349	DJ3MY	C25	719055	695	958	435	DJ3CS	X04	35720	188	0	190
RZ3QS	277819	394	363	367	DM3ZF	Y28	659016	519	939	452	DF4ZL	F16	33108	178	0	186
R3ZV	265036	449	243	383	DK9OY	H32	646640	604	766	472	DJ1YF	E03	33004	213	10	148
UA1AFT	240790	456	149	398	DF1LX	M15	610302	619	702	462	DF3TE	G46	32025	175	0	183
RG3K	209601	380	729	189	DL5KUD	V01	542800	444	1031	368	DK9ZQ	F36	31772	169	0	188
RA5B	180380	411	169	311	DL6MHW	W37	511104	408	648	484	DL4XU	E02	30804	204	0	151
RV6ASU	109200	426	94	210	DM8T	T19	429906	567	479	411	DJ7JC	L05	29295	135	0	217
R5AJ	65392	284	252	122	DM4D	Y18	407715	383	676	385	DJ5IW	C27	29083	142	87	127
RM2D	49296	123	193	156	DK1KC	B10	387090	470	652	345	DJ5TY	C25	28798	154	0	187
R3OM	45492	204	0	223	DL8DWW	S04	292552	396	380	377	DL3KWR	V11	28512	162	0	176
RK6HG	39952	218	9	176	DL2VV	U14	268011	285	636	291	DK5IR	A22	27555	165	0	167
RA3TT	31360	151	94	128	DA3T	S22	246390	321	634	258	DJ3JO	K36	26936	148	0	182
UA3QGT	27216	168	0	162	DL7UGN	Y22	239850	349	389	325	DK3RA	V10	26934	79	122	134
RM2U	23635	136	27	145	DF4XG	E33	236670	395	295	343	DL9FBF	F16	25283	131	0	193
RA4LO	16920	120	0	141	DL8UIL	Y24	225525	393	382	291	DL7DZ	I11	24702	138	0	179
UA3AKI	14161	119	0	119	DF1DT	O40	207095	282	397	305	DK5WO		24050	185	0	130
RV3TG	14042	118	0	119	DL4HG	E38	200349	415	176	339	DL5YAS	N34	23370	74	172	95
RD3AEF	12544	112	0	112	DL4ZA	A19	181185	337	434	235	DL6UD	Y28	23244	142	14	149
R7AT	3472	62	0	56	DL1RTL	Y34	171052	337	259	287	DL1THB		23100	154	0	150
UA4NC	620	20	0	31	DL4FN	F35	170859	507	0	337	DL4VQ	Q06	21930	170	0	129
RA3ATE	192	8	0	24	DL5YL	Y21	161236	325	367	233	DR2B	B02	21450	86	57	150
RA3FH	10	2	0	5	DM3PKK	B14	160776	342	180	308	DJ9SN	C01	21170	146	0	145
<b>Kaliningradsk</b>					DL7UMK	Y07	154698	240	197	354	DL1AYU	X23	21000	120	0	175
UI2K	1105977	659	1612	487	DL1ARJ	X28	153424	446	0	344	DL1AKL	X28	20724	138	19	132
RN2FQ	43425	160	65	193	DL1DQW	S04	150920	198	488	220	DL3HWM	W21	20700	133	17	138
<b>Ukraine</b>					DL6OZ	H24	150489	249	478	207	DK2FG		18966	49	169	87
UR7GO	1155998	949	1149	551	DL9CW	S01	143060	460	0	311	DL4EBW	R29	18904	112	27	136
UT2PX	682630	841	693	445	DD5M	C01	142500	207	418	228	DF2AJ	P51	18760	108	26	140
UY5ZZ	577245	747	580	435							DL1ARD	X23	18724	124	0	151
UR5IFB	239784	458	318	309							DL7YAD		17688	132	0	134
UT7EZ	71456	319	0	224							DL2ASB	X09	17653	127	0	139
											DL7VRG	D21	16492	117	16	124
											DL5ARM	X33	16416	114	0	144
											DJ7R	U15	15352	101	0	152
											DH1PAL	G46	15345	99	0	155

DL6RBH	U20	14317	103	0	139	DL7ULM	C25	108	9	0	12	GM4OSS	2070	45	0	46
DF5RF	F43	13818	113	28	98	DB1MUC	C25	84	7	0	12					
DJ1XT	M15	13447	113	0	119	DF0BV	C25	84	7	0	12	<b>Hungary</b>				
DR0R	O02	13365	99	0	135	DH0MA	C25	84	7	0	12	HA6NL	597368	442	1236	356
DJ4WM	H40	13284	108	0	123	DK0ED	C25	84	7	0	12	HG8C	127908	198	414	209
DJ1ZU	U14	13144	98	8	124	DL1FY	C25	84	7	0	12	HA0GK	38522	187	0	206
DJ4MH	I38	13130	70	60	101	DL3BY	C25	84	7	0	12	HA2OS	24764	151	0	164
DL4ALI	X17	12960	120	0	108	DL5M	C25	84	7	0	12	HA3HZ	18600	124	0	150
DM2M	S34	12384	96	0	129	DN1MUC	C25	84	7	0	12	HA1TI	17640	126	0	140
DJ3XD		12348	98	0	126	DN5KID	C25	84	7	0	12	HA9RP	16626	163	0	102
DH2URF		12084	106	0	114	DO7WF	C25	84	7	0	12	HA5BA	9212	94	0	98
DJ0MY	F39	11904	96	0	124	DN1BYZ	C25	72	6	0	12	HA5UA	6966	81	0	86
DC2VE	Q05	11656	94	0	124	DK6ER	C25	60	6	0	10	HA7JQK	4095	54	9	65
DL9NEI	C26	11067	93	0	119	DL9MBZ	C25	60	6	0	10	<b>Switzerland</b>				
DK3WM	F73	10920	72	33	104	DL2DVE	C25	50	5	0	10	HB9ARF	263711	559	148	373
DL8TG	H24	10488	92	0	114	DH8WE	X23	48	4	0	12	HB9BJL	9450	75	0	126
DF9DM	Z38	10302	101	0	102	DL0DYW	C25	40	4	0	10	HB9EBC	9432	131	0	72
DL2MIH	C18	10296	99	0	104	DC8KP	C25	40	5	0	8	HB9QA	0	0	0	0
DK7FP	L05	9999	101	0	99	DK3LT	E39	36	4	0	9					
DL7ACN	A22	9964	94	0	106	DL1MEB	C25	32	4	0	8	<b>Italy</b>				
DL2ZA	U15	9900	90	0	110	DL2MGF	C25	24	4	0	6	IZ2GRG	270900	337	563	301
DL7UGO	D26	8760	73	0	120	DL9OCG	P50	18	3	0	6	I2WIJ	179800	240	485	248
DL7ALM	D06	7776	81	0	96	DL9ZWG	W37	12	3	0	4	IK8TEO	137776	343	529	158
DH0JAE	Y28	7614	81	0	94	DL3LQM		8	2	0	4	IK0HBN	116044	211	222	268
DJ6UP	G06	7392	84	0	88							IR4E	84348	178	416	142
DL5CL	F76	7296	71	5	96	<b>Bosnia-Herzegovina</b>						I0ZUT	57240	195	165	159
DL1SBF	P51	7200	80	0	90	E71W		22940	155	0	148	IK0XBX	30301	132	25	193
DF7GG	V11	7178	97	0	74	E74A		11040	115	0	96	IZ4DYX	25375	203	0	125
DM2BPG	W33	6900	69	0	100	<b>Spain</b>						I10K	20655	118	35	135
DL5MHR	T17	6688	88	0	76	EA3KU		100366	160	589	134	IZ0TZI	19656	156	0	126
DJ3GE	G25	6688	76	0	88	EB5GGB		3240	60	0	54	I2AZ	11374	111	10	94
DJ2YE	R09	6660	74	0	90	EA4XT		1056	33	0	32	IZ8EDL	10660	73	57	82
DF3IR	K14	6240	78	0	80	EA7/DH6DAO		546	21	0	26	I0GOJ	5865	68	1	85
DF5BX	I37	5963	67	0	89	EA4CWW		208	13	0	16	IK2AUK	4690	67	0	70
DM4KM	W01	5494	67	0	82							IK2IKW	3408	48	0	71
DJ5NN	S18	5175	37	78	45	<b>Balearic Islands</b>						IW2FUT	3024	63	0	48
DO2MS		4992	78	0	64	EA6ZS		8976	102	0	88	IZ2FNI	780	26	0	30
DL8ZAJ	F09	4680	52	0	90							IZ1TRK	96	8	0	12
DJ5CL	C25	4524	41	17	78	<b>Ireland</b>						IZ6FCK	2	1	0	2
DF7JC	R02	4425	59	0	75	EI5DI		34484	152	314	74					
DJ3XA	V01	4176	60	27	48	EI3KI		30752	248	0	124	<b>Sicily</b>				
DL5HF	Z27	4161	57	0	73	EI3CTB		560	20	0	28	IT9VDQ	440	20	0	22
DL4HRM	W35	4050	81	0	50	<b>Estonia</b>						<b>Norway</b>				
DJ3AK	H24	3780	45	0	84	ES2BH		29055	195	0	149	LA2HFA	97350	330	0	295
DF1HF	E21	3483	43	0	81							<b>Lithuania</b>				
DK5ZX	V11	3479	49	0	71	<b>Belarus</b>						LY5W	943290	592	1415	470
DF2CQ	C25	3312	46	0	72	EW1IP		553288	460	966	388	LY2IJ	95823	224	127	273
DK4VY	E20	3196	47	0	68	EW8OF		92796	225	219	209	LY2TS	88976	302	30	268
DG0KS	V02	3180	53	0	60	EW6AF		50864	272	0	187	LY2DX	75258	206	127	226
DH0GHU	C07	2838	43	0	66	EU6AA		16125	129	0	125	LY2DV	35000	200	0	175
DK9MH	C18	2652	50	1	52	EW6GF		5974	103	0	58	LY2NY	22350	140	9	150
DJ8RX	C13	2650	53	0	50	EW8OG		2464	44	0	56	LY4BF	2914	47	0	62
DK6CQ	C25	2574	39	0	66	EW1NA		135	9	0	15	LY7Z	1820	35	0	52
DL7URH	S41	2508	66	0	38							LY2ND	312	13	0	24
DO8ER	H05	2400	48	0	50	<b>France</b>						<b>Bulgaria</b>				
DL8RB	Q05	2244	33	0	68	F5VBT		378072	336	732	354	LZ9R	625456	646	906	403
DM7WL	T19	2142	42	0	51	F6AUS		43848	203	0	216	LZ1QV	247539	266	491	327
DM3XI	X10	2135	35	0	61	F5KLE		21608	146	0	148	LZ1FY	172160	347	191	320
DC9MA	C13	2016	42	0	48	F/DL3HAH		16714	99	38	122	LZ1DNY	110896	220	258	232
DL7UXG	D21	1794	39	0	46	F5PHW		10692	99	0	108	LZ1ZM	71010	169	357	135
DL1NX	G20	1666	39	10	34	F11WH		3408	48	0	71	LZ1DQ	66539	253	0	263
DG0DG	S27	1632	34	0	48	F3WT		2856	19	37	51	LZ5XQ	64539	303	0	213
DL4AAE	P51	1482	30	9	38	F5IAE		2632	47	0	56	LZ1GE	29436	123	100	132
DL8DXL	S22	760	19	0	40	F6FTB/P		1216	32	0	38	LZ1OJ	26752	176	0	152
DJ6FO		680	20	0	34	<b>England</b>						LZ1PM	16758	95	19	147
DG2FDE	P51	672	21	0	32	G3SXW		85860	324	0	265	LZ2JR	16384	127	1	128
DH8MS		650	25	0	26	M5Z		77615	265	96	215	LZ7H	11074	98	0	113
DK5DQ	O32	560	20	0	28	G3RSD		52281	124	209	157	LZ49FJ	6768	72	0	94
DL6EZ	R01	432	18	0	24	G3LHJ		44164	244	0	181	LZ2CH	2496	48	0	52
DL4YAO	C25	360	15	0	24	M0KLO		10148	112	6	86	LZ5QZ	240	15	0	16
DL2OE/P	Y15	340	17	0	20							LZ3ZZ	192	2	46	4
DK5MB	C25	336	14	0	24	<b>Northern Ireland</b>						<b>Austria</b>				
DK5MV	C25	264	12	0	22	GI5I		78486	316	65	206	OE2LCM	301925	451	478	325
DJ5MN	C25	198	11	0	18	<b>Scotland</b>						OE1TKW	6399	51	28	81
DK0IG	C25	180	10	0	18	GM4WZG		22578	142	0	159					
DL1VF	Q06	112	8	0	14	GM2Y		10989	99	0	111					

OE1H	240	5	19	10	<b>Slovenia</b>					RW3ZA	13708	92	0	149
<b>Finland</b>					S57DX	1682048	882	2210	544	RW4F	12980	98	20	110
OH5TS	541443	474	765	437	S56A	541680	850	38	610	R4WT	12305	115	0	107
OH6OS	27040	169	0	160	S51Z	493288	407	845	394	R7TO	11875	95	0	125
OH2LU	10028	84	8	109	S58Q	204171	426	381	253	UA5D	11786	70	72	83
OH1B	5850	75	0	78	S57NL	25340	184	178	70	RK4R	11615	101	0	115
OH2LNH	1680	40	0	42	S55VM	3528	49	0	72	RA1QD	10000	125	0	80
<b>Czech Republic</b>					<b>Sweden</b>					R6CW	9840	120	0	82
OK1HX	787848	518	1413	408	SM6FKF	104937	399	0	263	UA6LCJ	9494	101	0	94
OK1CZ	721920	464	1416	384	SM5CSS	90450	335	0	270	UA3UBT	9020	82	0	110
OK2BFN	285780	316	550	330	SM5IMO	63920	376	0	170	RX3VF	8816	76	0	116
OK1AY	177165	465	0	381	SI5Y	43680	260	0	168	RX6LOL	8480	80	0	106
OK1DDQ	40386	167	87	159	SM0S	31408	208	0	151	RA3ID	8439	97	0	87
OK2EC	37884	204	42	154	SF0D	20306	135	8	142	UA3LDZ	7488	78	0	96
OK1BA	37800	200	0	189	SM7CIL	11648	94	10	112	RM2T	6972	83	0	84
OL5W	21762	96	183	78	SM6GBM	7832	89	0	88	RA4LK	5824	64	0	91
OK5SA	21120	132	0	160	SM5KQS	6732	68	0	99	UA4FDL	5694	73	0	78
OK1FCA	21106	153	20	122	SM6/DL7BY/P	4200	50	0	84	RW3AI	5429	61	0	89
OK2BND	19781	124	27	131	SD6M	2484	46	0	54	R7FO	5280	68	20	60
OK3C	18840	121	36	120	SM2BJT	512	16	0	32	RX3MM	5104	58	0	88
OK2BLD	14161	119	0	119	SM6WZH	308	14	0	22	UA1CEC	3515	34	61	37
OK2SGY	13673	113	0	121	SM6DER	220	11	0	20	UA3UAT	3478	47	0	74
OK1AOU	10656	96	0	111	<b>Poland</b>					RN3DKE	2968	49	7	53
OK2GU	7120	80	0	89	SN2K	1010710	997	910	530	UA6HFI	2904	44	0	66
OK2QX	5184	72	0	72	SP1NY	656760	478	1206	390	UA6XDX	2420	55	0	44
OK1KZ	0	0	0	0	SP7LIE	322848	401	543	342	RL3DZ	2400	40	0	60
<b>Slovakia</b>					SP7UWL	113792	329	179	224	RW1AI	2236	43	0	52
OM8ON	257078	346	397	346	SP8CGU	76792	254	77	232	RK1AD	2145	39	0	55
OM3R	102960	297	93	264	SP6LV	65373	283	0	231	RA4DB	1980	33	0	60
OM3CPF	60386	277	0	218	SP5CNA	53680	244	0	220	UA3DSN	1008	28	0	36
OM2TB	50778	273	0	186	SQ9BDN	45136	208	0	217	R1AUR	779	19	0	41
<b>Belgium</b>					SP9EMI	38634	113	169	137	UA3RC	546	21	0	26
OR2F	1404634	687	1919	539	SP3DOF	14756	119	0	124	R3IS	510	17	0	30
OO4JZ	30613	171	82	121	SP5AUU	11610	90	0	129	UA9XBJ	228	12	0	19
ON3ND	10908	108	0	101	SP2BLC	10260	95	0	108	RA3AL/M	120	10	0	12
ON5WL	8036	82	0	98	SQ9FMU	7968	83	0	96	RW4CLF/4	98	7	0	14
OO7J	6612	114	0	58	SP2HMY	7790	95	0	82	R7AO	72	6	0	12
OU2I	179893	314	515	217	SQ7LQJ	6726	59	0	114	UA3TW	50	5	0	10
<b>Denmark</b>					SP2WGB	5247	53	0	99	<b>Ukraine</b>				
OZ7BQ	128484	302	214	249	SP3BES	4422	67	0	66	UW5Q	1911362	942	2459	562
OZ4FF	37788	201	0	188	SP6JQC	4290	65	0	66	US0HZ	278481	289	754	267
OZ6TL	11130	105	0	106	SQ9JKS	3422	51	8	58	UT0U	238385	285	688	245
OZ4CG	5772	78	0	74	SP6NIK	2808	54	0	52	US5E	188668	259	675	202
OZ5WQ	352	16	0	22	SP1EGN/6	1377	27	0	51	UT2IO	167606	463	0	362
OZ1DGQ	154	11	0	14	SP6BXM	182	13	0	14	UT7CA	120900	403	0	300
<b>Netherlands</b>					<b>Greece</b>					UT1IM	117115	397	0	295
PI4TUE	518829	653	408	489	SV1DPJ	31800	129	71	159	UW2Q	79924	211	166	212
PA2PCH	98952	221	368	168	<b>Iceland</b>					UR3CMA	74822	199	159	209
PA3EVY	86445	339	0	255	TF/SP5IXI	19740	235	0	84	US7WW	70484	268	0	263
PA3GRM	59925	255	0	235	<b>European Russia</b>					UT5ULX	44064	204	0	216
PD1DX	31740	230	0	138	R7MM	917145	648	1413	445	UX5UU	43888	211	0	208
PA3BUD	30030	195	0	154	RG5A	615600	548	820	450	UV3QF	40548	218	0	186
PA3CVI	23562	154	0	153	RM5D	509776	382	826	422	UT8IM	39765	168	73	165
PA2W	23400	156	0	150	RV3ZN	348232	299	803	316	UT1II	32683	155	48	161
PD2JAM	16758	147	0	114	RW4WA	346458	372	650	339	UR5VR	26082	162	0	161
PA3DBS	14282	193	0	74	UA3QAM	270400	325	507	325	UR5FCM	25542	74	184	99
PC5D	11716	116	0	101	RV6LCI	249630	300	495	314	UX9Q	24009	106	53	151
PA2GRU	10234	119	0	86	RU4SO	223782	410	331	302	UU9JR	21744	151	0	144
PA3AQL	10094	98	0	103	UA3MIF	149291	443	0	337	UX1CW	20687	151	0	137
PA0CT	9345	105	0	89	RK3IM	146421	278	283	261	UX1CL	19877	143	0	139
PA0RBA	8855	77	0	115	UA1ATD	87856	289	0	304	UT7VR	18421	109	0	169
PE2K	8820	98	0	90	RZ3AMW	74528	272	0	274	UT3EK	17875	125	0	143
PA0QRB	6156	81	0	76	R3PC	67340	259	0	260	UR4CU	12688	104	0	122
PD5T	6150	75	0	82	RA6YJ	44325	225	0	197	UY3IF	11470	58	127	62
PA0WLB	5418	63	0	86	UG3G	41664	224	0	186	UW1U	7626	67	26	82
PD4JOF	3906	63	0	62	RN4SC	40112	218	0	184	UU9JQ	6468	66	0	98
PI4OTC	3072	48	0	64	RX1AG	38178	202	0	189	UX2KA	5928	76	0	78
PA5GU	2736	57	0	48	RA1AP	23240	140	0	166	UT5EPP	4536	63	0	72
PA3HGF	2397	47	0	51	UA7G	20440	146	0	140	UT3IT	4012	59	0	68
PA0WKI	1188	27	0	44	RT4W	18415	127	0	145	UV3RT/A	3808	56	0	68
PA3DTR	50	5	0	10	R7AC	16456	121	0	136	UR4LIN	3174	46	0	69
PA0ZAV	24	4	0	6	RX4YY	15104	118	0	128	US9IGA	2964	30	46	39
					RT9X	15070	137	0	110	UR3LM	2700	50	0	54
										UT7MR	1380	30	0	46
										UT5LA	1380	30	0	46
										US5ELM	1012	23	0	44

UT4UI	1008	24	0	42	<b>Slovenia</b>					<b>Japan Call Area 7</b>				
US7LM	740	20	0	37	S59T	1840	40	0	46	JA7IC	244792	817	837	148
<b>Latvia</b>					<b>Poland</b>					JA7BME	159448	527	522	152
YL5X	835200	511	1289	464	HF9Q	2672806	1328	2474	703	JO7KMB	55848	267	270	104
YL6Z	79110	293	0	270	SP2KPD	290752	555	271	352	JA7GYP	2304	48	0	48
YL3FW	21645	117	0	185	<b>European Russia</b>					<b>Japan Call Area 9</b>				
YL3AIW	20862	166	17	114	RD4A	186368	303	425	256	JA9CWJ	118114	401	408	146
YL2TD	11550	106	4	105	RA1TV	47520	220	0	216	<b>United States Call Area 0</b>				
<b>Romania</b>					RO7T	9630	99	8	90	K0EJ	733500	1226	1219	300
YO3APJ	35960	163	69	155	UA6AK	7446	73	0	102	K0LUZ	276138	802	785	174
YO6HSU	24759	131	0	189	R7HL	6864	78	0	88	W0UCE	176076	452	352	219
YO7AWZ	21516	132	0	163	RW3DY	3630	55	0	66	K0KX	101724	293	295	173
YO2GL	21488	123	35	136	RA6XB	1566	29	0	54	K0FX	90968	266	282	166
YO3GNF	15142	112	22	113	<b>Ukraine</b>					W0YR	72240	426	434	84
YO4AAC	13298	56	162	61	UU7J	1719965	1127	1688	611	K0BJ	72240	430	0	168
YO5NY	12654	114	0	111	UT7E	956310	953	952	502	KS0T	53508	179	185	147
YO4SI	7632	72	0	106	UW7M	141192	315	162	296	K0VXU	45650	206	209	110
YO6DBL	300	12	0	25	UX4E	69440	280	0	248	<b>United States Call Area 1</b>				
YO5ODT	48	4	0	12	UT4LW	26048	176	0	148	K1RX	1654114	1725	1817	467
<b>Serbia</b>					US0VA	5934	69	0	86	K1MK	1350672	1487	1475	456
YU2A	411488	472	697	352	UY7IS	768	24	0	32	K1ZZI	749925	1228	1247	303
YT3H	94800	395	0	240	<b>Romania</b>					W1PH	335404	588	593	284
YU1FG	47088	218	0	216	YO4FZX	1820	35	0	52	K1ZZ	310374	623	580	258
YU8A	13230	70	77	90	<b>Single Operator, High Power, DX</b>					K1RM	249240	630	610	201
YT5N	4307	59	0	73	<b>Georgia</b>					K1BV	138690	350	320	207
YT2AAA	2064	43	0	48	4L8A	1662832	2056	1980	412	K1TN	83810	289	289	145
<b>Macedonia</b>					<b>West Malaysia</b>					N1LN	76836	334	340	114
Z320G	42180	216	12	185	9M2CNC	874458	1429	1457	303	K1DM	75828	284	0	267
Z320R	33880	220	0	154	<b>East Malaysia</b>					AB1QP	63269	206	213	151
Z33A	6630	85	0	78	9M6YBG	6908	80	77	44	K1TH	37752	155	157	121
Z32ZM	6450	75	0	86	<b>Singapore</b>					W1EQ	31648	178	166	92
<b>Multi Operator, Europe</b>					9V1YC	757680	1229	1026	336	N1KWF	30855	135	120	121
<b>Montenegro</b>					<b>Qatar</b>					W1RM	3900	41	37	50
4O/YT7AW	8096	66	110	46	A71A	1289384	1524	1517	424	<b>United States Call Area 2</b>				
<b>ITU HQ</b>					<b>China</b>					W2CDO	608321	996	1025	301
4U1ITU	381997	531	800	287	BD4HF/5	228384	698	550	183	N2MM	429936	685	667	318
<b>Germany</b>					<b>Canary Islands</b>					N2ZN	320841	681	696	233
DM6V	S41	3915535	1570	3535	EF8U	2435791	2218	2235	547	K2QMF	306495	621	630	245
DL1A	C30	3512512	1501	3043	<b>Republic of Korea</b>					W2LK	275310	606	591	230
DR0W	T13	3272925	1454	2881	HL1/WX8C	7612	86	87	44	N2ED	266448	710	746	183
DP6A	I49	2521125	1329	2406	DS5DNO	2376	35	31	36	N2BJ	237237	507	520	231
DL0GL	L03	2229180	1431	2074	<b>Japan Call Area 0</b>					K2NV	153821	393	404	193
DR5M	B26	1777110	1113	2089	JA0CGJ	329451	847	860	193	W2LE	151400	379	378	200
DM5D	Y43	1201992	795	1119	<b>Japan Call Area 1</b>					KE2WY	132066	317	350	198
DF0SX	P51	915456	726	1062	JH1GBZ	796240	1491	1469	269	W2CS	112320	281	304	192
DL5L	X23	832611	1078	365	JG1VGX	601980	1181	1189	254	N2NS	41272	198	110	134
DF7ZS	F54	195702	507	0	JA1BBC	31350	134	141	114	N2CG	20196	94	93	108
DL0TUM	C12	160480	406	66	JL1LNC	12625	125	0	101	N2YO	8208	72	72	57
DK0MN	C12	140768	227	437	JF1KML	4464	48	45	48	W2RDS	4320	70	2	60
DL0KU	O12	43911	205	82	<b>Japan Call Area 2</b>					<b>United States Call Area 3</b>				
DL0C	Y13	7138	71	15	JR2SCJ	431739	981	888	231	AA3B	1750329	1981	1988	441
DJ9KH	I17	288	12	0	JF2IWL	21460	139	151	74	K3WW	1482825	1752	1737	425
<b>Belarus</b>					<b>Japan Call Area 3</b>					K3WI	1282699	2011	2010	319
EU1WW	161637	537	0	301	JG3KIV	22962	128	130	89	NN3W	1268512	1601	1635	392
EW7DK	32	4	0	8	<b>Japan Call Area 4</b>					N3QE	862722	1165	1173	369
<b>Hungary</b>					JR4GPA	102816	756	0	136	K3IPK	463756	885	839	269
HA30S	3463290	1431	3114	762	JO4CTB	1632	48	0	34	K3MD	463112	946	952	244
HG7T	3371154	1589	2700	786	JO4CFV	1032	23	20	24	K3RA	459840	955	961	240
<b>Italy</b>					<b>Japan Call Area 6</b>					KE3X	414348	692	727	292
IR2C	3189220	1479	2926	724	JA6BZI	50008	186	190	133	W3KL	272824	668	350	268
IZ3NYG	72540	310	0	234						W3FV	246636	602	607	204
<b>Lithuania</b>										K3IT	185966	596	581	158
LY1R	1656	36	0	46						N3AM	154316	343	349	223
<b>Denmark</b>										NE3H	149778	457	497	157
OU2V	310479	709	32	419						K3STX	120600	276	260	225



NB3R	27000	130	140	100	<b>United States Call Area 9</b>	VO1MP	11266	131	0	86				
N3ZV	23989	161	0	149	W9IU	523240	1023	1037	254					
W3SFG	21018	94	92	113	N09E	373650	691	719	265	<b>Canada Call Area 2</b>				
N3BB	20554	153	86	86	N9AUG	319198	653	666	242	VE2FK	219596	532	534	206
<b>United States Call Area 4</b>					W9OA	299592	688	699	216	VA2WA	178080	419	421	212
K4TD	785356	1362	1384	286	W9RE	262416	619	613	213	VY2SS	67848	255	259	132
K4BAI	568113	1042	1039	273	KE9I	210456	667	665	158	<b>Canada Call Area 3</b>				
W4MYA	504957	884	913	281	K9NW	178698	754	0	237	VE3AT	1679040	1975	1985	424
N4ZZ	409768	789	775	262	N9RV	157968	561	536	144	VE3DZ	596911	940	943	317
N4PN	364056	927	921	197	K9OZ	92416	295	313	152	VE3TA	583458	1029	1040	282
AD4EB	337348	696	698	242	AB9H	40290	196	199	102	VE3RZ	560924	867	875	322
AA4CF	287166	616	638	229	N9CK	38690	182	183	106	VA3AR	245870	524	545	230
K4GMH	279048	590	618	231	N9NA	14552	102	112	68	VE3UTT	163028	383	386	212
N4QS	253708	695	699	182	<b>Guam</b>					VE3NZ	123328	374	378	164
N4BP	221704	750	748	148	KF7QCZ/KH2	440	22	0	20	VE3CX	95418	276	282	171
N4AAI	212802	594	629	174	<b>Hawaii</b>					<b>Canada Call Area 4</b>				
WX4G	150274	662	0	227	KH6/N7ON	7098	91	0	78	VE4VT	33558	136	146	119
N4ZR	145582	447	430	166	<b>Alaska</b>					<b>Canada Call Area 5</b>				
K4HAL	142500	478	472	150	AL9A	67860	371	383	90	VE5MX	268032	692	704	192
N4GG	131242	309	313	211	<b>Argentina</b>					<b>Canada Call Area 7</b>				
NB4M	126592	341	347	184	LU1DZ	67456	251	245	136	VA7ST	227850	607	618	186
AF4OX	123888	357	355	174	LU3DAT	14124	110	104	66	VE7IO	37516	161	171	113
K4DJ	99408	326	328	152	<b>Brazil Call Area 2</b>					<b>Canada Call Area 9</b>				
K4VU	47092	191	195	122	PW2D	1188536	1562	1599	376	VE9HF	524286	698	689	378
AI4WW	42826	161	161	133	PY2KJ	58512	212	212	138	VE9AA	385497	734	743	261
K4EU	36696	276	280	66	PY2EX	10430	82	67	70	<b>Australia Call Area 3</b>				
K4EDI	35040	146	146	120	PY2NDX	2392	27	25	46	VK3TDX	406585	906	839	233
W4BQF	26264	133	135	98	PY2FN	760	19	0	40	<b>Australia Call Area 6</b>				
K4RO	17108	170	159	52	<b>Brazil Call Area 3</b>					VK6AA	966511	1582	1629	301
NJ4F	14964	129	0	116	PY3AU	13510	101	92	70	<b>India</b>				
AF4RK	3696	47	30	48	<b>Brazil Call Area 4</b>					VU2JOS	16093	121	0	133
KI4EZC	2728	42	20	44	PY4RGS	611534	841	853	361	<b>Indonesia</b>				
AJ4MW	540	18	0	30	<b>Brazil Call Area 7</b>					YB4IR	222660	622	615	180
<b>United States Call Area 5</b>					PR7AA	479577	823	848	287	<b>New Zealand Call Area 4</b>				
K5ZD	1296880	1415	1380	464	<b>Brazil Call Area 8</b>					ZM4B	188538	498	440	201
K5KG	1113321	1524	1543	363	PV8ADI	137921	468	569	133	<b>Single Operator, Low Power, DX</b>				
K5TR	962220	1504	1541	316	<b>Asiatic Russia Call Area 0</b>					<b>Tunisia</b>				
W5WMU	261967	1087	0	241	RK0AB	777924	1230	1171	324	3V8BB	1631520	1817	1479	495
N5ZK	105300	342	360	150	RA0AY	618660	986	978	315	<b>Azerbaijan</b>				
AC5K	80736	236	228	174	UC0A	321678	721	728	222	4K6FO	465348	741	741	314
AB5EB	26352	216	0	122	R0QA	175877	539	540	163	4K9W	5772	71	40	52
<b>United States Call Area 6</b>					RW0CR	58630	283	250	110	<b>Georgia</b>				
N6AR	884646	1230	1269	354	RT0F	47784	362	0	132	4L6QC	923115	1191	1146	395
N6MA	146520	383	409	185	RA0QQ	32012	212	0	151	<b>Israel</b>				
W6FA	109802	337	345	161	RW0MM	17808	110	102	84	4Z5TK	497350	1009	1021	245
N6ML	93052	271	270	172	RA/KE5JA	2891	49	0	59	4Z5ML	99042	487	484	102
W6TK	29890	152	153	98	UA0ZAM	1444	38	0	38	<b>Cyprus</b>				
K6XX	25047	124	129	99	RU0LL	242	11	0	22	5B/RN3QO	200165	511	420	215
K6KR	10792	74	68	76	<b>Asiatic Russia Call Area 8</b>					<b>Qatar</b>				
W6RLL	9506	97	0	98	R8MD	260850	925	0	282	A71CM	35775	265	0	135
WS9M/6	6534	56	65	54	<b>Asiatic Russia Call Area 9</b>					<b>China</b>				
K6DGW	6032	59	57	52	RG9A	1877514	1965	1996	474	BA3AX	92040	362	418	118
K6LRN	992	31	0	32	UA9CDV	1822590	1832	1850	495	BH8BJO	17094	159	100	66
<b>United States Call Area 7</b>					RF9C	1086376	1184	1188	458	BD7BW	3520	80	0	44
KU7T	180872	486	497	184	RO9A	496920	815	825	303	BA4SD	1344	42	0	32
W7VJ	173594	589	600	146	RM9RZ	357408	764	460	292	BH7PFH	228	11	8	12
W7CT	166552	434	438	191	UA9CDC	331485	481	380	385	BG4HYK/5	204	17	0	12
K7IA	150909	398	409	187	RK9UE	215856	755	744	144	BA1SN	160	10	0	16
K7RL	105400	385	390	136	R9AE	174167	487	486	179	BD1IJ	8	2	0	4
K7BTW	87014	307	319	139	R9AEE	168896	470	458	182	<b>Cuba</b>				
NQ7R	59340	249	267	115	RN9CM	85204	237	239	179	CO2MS	142384	393	416	176
N7NM	25480	133	127	98	RC9O	60324	238	219	132					
W7/DL4MM	23256	173	150	72	RM9I	17792	146	132	64					
W7PU	21014	133	133	79	UN9GD	932715	1471	1490	315					
NI7R	7616	59	60	64	<b>Namibia</b>									
K7OM	3477	57	0	61	V55V	2451570	2477	2330	510					
W7ON	1558	41	0	38	<b>Canada Call Area 1</b>									
<b>United States Call Area 8</b>					VE1OP	109908	388	386	142					
N8BJQ	856154	1266	1267	338										
KE8M	347754	715	722	242										
K8MM	97408	377	384	128										
K8MP	30740	265	0	116										

<b>Morocco</b>					<b>United States Call Area 0</b>					N5KWN	64517	433	0	149
CN8KD	134865	419	310	185	K2DSW	98735	316	321	155	WZ5H	28896	139	119	112
<b>Bolivia</b>					K0ZR	68020	358	0	190	K5JUM	14061	129	0	109
CP6/DF9GR	524162	943	970	274	NW0M	23670	132	131	90	NM5M	8591	71	50	71
<b>Uruguay</b>					N0EF	13685	128	33	85	WA5SOG	5846	79	0	74
CX2BR	89030	315	299	145	N0UJT	7686	64	58	63	N5RMS	2574	39	0	66
CX9AU	76791	223	206	179	N0AC	3738	44	45	42	K5CAO	300	15	0	20
<b>Philippines</b>					W0YJT	3150	53	10	50					
DU1XX	8120	116	0	70	KC0DEB	1050	35	0	30	<b>United States Call Area 6</b>				
DV1UD	962	37	0	26	W0GXA	322	14	0	23	NN6CH	66960	244	252	135
DU7HF	2	1	0	2	<b>United States Call Area 1</b>					K7GK/6	62568	234	240	132
<b>Canary Islands</b>					WA1Z	1139670	1500	1515	378	K6OK	820	28	13	20
EC8AFM	145238	358	361	202	K11MI	693780	1115	1123	310	AC6SL	432	18	0	24
EA8AQV	5112	71	0	72	NB1N	399249	714	717	279	<b>United States Call Area 7</b>				
<b>Kyrgyzstan</b>					W1UJ	195312	470	469	208	N7AT	77290	289	301	131
EX2B	19516	238	0	82	N1API	113760	350	361	160	K7HBN	14896	116	80	76
<b>Ecuador</b>					AE1T	112908	290	292	194	K7BX	3752	67	0	56
HD2A	497380	949	964	260	N1EN	112462	284	270	203	<b>United States Call Area 8</b>				
<b>Dominican Republic</b>					K1PU	93928	237	235	199	NA8V	648150	1081	1094	298
H13LFE	39440	290	0	136	AD1L	19642	161	0	122	K8AJS	85925	252	239	175
<b>Colombia</b>					WA1DRQ	4686	71	0	66	WB8JUI	80820	224	225	180
HK3Q	2850	45	30	38	N1NN	3500	70	0	50	K8BTU	46320	197	189	120
<b>Republic of Korea</b>					KE1J	2660	35	0	76	W8UE	43439	178	181	121
HL2CFY	5952	59	37	62	<b>United States Call Area 2</b>					NF8I	41925	165	160	129
<b>Thailand</b>					K2ZR	208388	440	443	236	K8MR	33264	133	131	126
E21YDP	16038	147	150	54	N2WK	141547	256	255	277	KD8SAV	25630	173	60	110
<b>Saudi Arabia</b>					NW2K	134606	318	311	214	NF8J	17920	140	116	70
7Z1SJ	1001324	1444	1450	346	KE2D	116186	298	304	193	K8GT	2340	45	0	52
<b>Japan Call Area 0</b>					N2SO	46498	174	173	134	AA8IA	1189	29	0	41
JH0NEC	48800	242	246	100	K2MFY	42672	190	191	112	K8FZY	1044	29	0	36
JA0VTK	17385	121	62	95	WA2MCR	29382	124	125	118	<b>United States Call Area 9</b>				
<b>Japan Call Area 1</b>					KU2C	28077	191	0	147	K9OM	437852	789	809	274
8J1MTD	452410	1077	890	230	N2FF	14523	103	0	141	W91LY	137632	392	390	176
JA1BJI	434004	905	934	236	KA2D	12558	83	78	78	K9QVB/9	34295	179	182	95
JM1NKT	185090	556	559	166	N2UU	9919	109	0	91	WA9AQN	15500	130	120	62
JG1AVO	92852	336	332	139	AC2FA	8468	68	78	58	W9VQ	4012	59	0	68
JE1REU	17170	170	0	101	K2SAN	1496	34	0	44	WE9V	2898	35	34	42
JA1MZM	8008	92	90	44	WK2T	1071	21	0	51	W9WI	1920	34	26	32
JA1KEB	4700	51	43	50	K2JF	836	22	0	38	<b>Hawaii</b>				
JS1KKY	4522	67	66	34	WO2N	40	5	0	8	KH6CJJ	24338	147	136	86
JE1RRK	1470	35	0	42	WA2VQV	2	1	0	2	<b>US Virgin Islands</b>				
JO1WIZ	812	29	0	28	<b>United States Call Area 3</b>					KP2RUM	1380	30	0	46
JA1CP	176	11	0	16	N3UA	424600	767	777	275	NP2X	15	3	0	5
JA11ST	96	8	0	12	W3KB	364122	615	611	297	<b>Puerto Rico</b>				
7M1MCY	50	5	0	10	KB3LIX	117504	284	292	204	NP4G	8120	140	0	58
JE1CAC	8	2	0	4	W3DQN	106560	285	270	192	<b>Argentina</b>				
<b>Japan Call Area 2</b>					K3UA	75600	219	213	175	LT7H	49530	195	195	127
JA2CUS	89344	355	343	128	N3GJ	46844	239	0	196	LU1ICX	46228	214	150	127
JK2VOC	2144	37	30	32	K3KU	31800	156	162	100	LW3DG	7172	93	70	44
JA2GHP	1404	39	0	36	N3KR	26016	134	137	96	L33M	3136	54	10	49
JA2AXB	440	12	8	22	K3SV	12000	76	74	80	<b>Brazil Call Area 1</b>				
JF2FIU	132	11	0	12	NW3H	10812	106	0	102	PP1CZ	325972	699	737	227
<b>Japan Call Area 3</b>					ND3D	10428	79	79	66	PY1MX	8400	120	0	70
JF3NKA	236491	667	700	173	K3FH	4992	49	47	52	PY1NSC	48	6	0	8
JG3SVP	19916	189	194	52	K3TW	3815	57	52	35	<b>Brazil Call Area 2</b>				
JA3JM	7560	66	60	60	K3OQ	2438	53	0	46	PY2NY	624720	1036	1019	304
JR3NDM	120	10	0	12	N3JNX	0	1	0	0	PR2W	35568	160	152	114
JN3TSY	70	7	0	10	<b>United States Call Area 4</b>					PY2IQ	21312	92	100	111
JA3VOV	8	2	0	4	N4KH	220446	491	502	222	PS2R	9047	59	50	83
<b>Japan Call Area 4</b>					K4GM	140188	348	346	202	PY2ABN	1470	29	20	30
JE4MHL	196180	574	580	170	K4QPL	124978	392	399	158	<b>Brazil Call Area 3</b>				
<b>Japan Call Area 5</b>					NA4K	118184	316	316	187	PY3OZ	559188	891	873	317
JA5CBU	1140	38	0	30	W4GDG	88065	257	258	171	PY3AJB	1100	25	0	44
<b>Japan Call Area 8</b>					K4FPF	85808	249	247	173	PY3KN	228	12	0	19
JE8KKX	14137	103	108	67	K4FTO	42483	150	139	147	<b>Brazil Call Area 4</b>				
					KK4CIS	39312	156	156	126	PY4HO	100520	352	366	140
					N4UA	37072	169	162	112	PY4XX	70760	299	311	116
					W4EE	30338	197	0	154	PY4ZO	59204	361	0	164
					KS4L	2530	35	20	46	PY4ARS	5220	60	0	87
					N4TZ	2400	40	0	60					
					<b>United States Call Area 5</b>									
					W5RYA	200850	498	532	195					
					WD5K	167480	523	537	158					

<b>Brazil Call Area 5</b>					VA3EC	81624	267	270	152	<b>Canada Call Area 2</b>				
PP5EJ	14878	88	85	86	VE3RSA	70560	210	210	168	VY2ZM	2602152	2562	2601	504
<b>Brazil Call Area 7</b>					VE3TG	48620	202	172	130	<b>New Zealand Call Area 1</b>				
PR7AR	86944	275	297	152	VE3EY	13794	106	103	66	ZM1A	614308	1127	1115	274
PR7AB	4371	46	47	47	VE3RCN	12700	127	0	100					
<b>Brazil Call Area 8</b>					VA3FN	7161	81	12	77					
ZW8T	267232	555	638	224	VA3GUY	4104	76	0	54					
<b>Asiatic Turkey</b>					VA3RKM	3009	41	10	59					
TC2C	1613696	1790	1812	448	K2NV/VE3	2080	32	33	32	<b>Station Operators</b>				
YM3KB	11844	141	0	84	<b>Canada Call Area 4</b>					<b>3V8BB:</b> KF5EYY; <b>4O/YT7AW:</b> YT7AW, YT4RA;				
<b>Asiatic Russia Call Area 0</b>					W6NF/VE4	360	15	0	24	<b>4U1ITU:</b> SV3SJ, F6IFY; <b>9A283XV:</b> 9A3XV;				
RW0AJ	471828	988	930	246	<b>Canada Call Area 7</b>					<b>9A/DG7RO:</b> DG7RO; <b>9M2CNC:</b> G4ZFE; <b>A71A:</b>				
UA0W	208707	483	470	219	VE7JH	89776	372	352	124	<b>VK2CCC;</b> <b>BD4HF/5:</b> BD4HF; <b>BG4HYK/5:</b> BG4HYK;				
UA0DM	165252	451	428	188	VA7XB	8960	112	0	80	<b>CT1JPK:</b> CT3KN; <b>DM6V:</b> DJ2YA, DL4UNY, DL5AXX,				
UA0WW	91104	624	0	146	VE7BGP	2050	41	0	50	<b>DL8WAA;</b> <b>DL1A:</b> DJ2QV DJ1YFK DK7AH; <b>DR0W:</b>				
RA0CHK	38186	156	157	122	<b>Canada Call Area 9</b>					<b>DJ5MW, DL8DYL, DL5GAC, DL9DRA;</b> <b>DP6A:</b> DJ9MH,				
UA0SBQ/P	2793	49	0	57	VE9OA	34749	140	157	117	<b>DL1NEO, DL5KUT, DL8OH;</b> <b>DL0GL:</b> DF9TS, DJ9IE,				
RW0UM	2394	57	0	42	VE9BWK	4536	68	13	56	<b>DK3QZ, DL1EKC, DL3QQ;</b> <b>DR5M:</b> DK3GI, DK8AF,				
RA0SMS	1620	27	27	30	<b>Australia Call Area 4</b>					<b>DL2NBY, DL4NAC, DL5NEN, DL6NBB;</b> <b>DM5D:</b>				
RA0LL	1026	27	0	38	VK4TT	56	7	0	8	<b>DK8RE DL8UAT DM5WF;</b> <b>DF0SX:</b> DL5YM, DL9SEV;				
UA0LS	870	29	0	30	<b>India</b>					<b>DL5L:</b> DL7SMK, DL5ANS, DG0OKW; <b>DL0TUM:</b>				
<b>Asiatic Russia Call Area 8</b>					VU3NXI	4816	86	0	56	<b>DL7LIN DJ4MZ;</b> <b>DK0MN:</b> DK3YD DL6NDW;				
UF8T	136072	460	472	146	VU3KPL	4600	92	0	50	<b>DL0KU:</b> DK4CU, DL3DBH; <b>DL0C:</b> DL6UBM,				
UI8CM	30316	212	0	143	<b>Laos</b>					<b>DL8UKE;</b> <b>DF9ZP:</b> DK8ZB; <b>DK0MM:</b> DJ7IK; <b>DL0RST:</b>				
RD8O	17280	155	133	60	XW0YJY	256467	845	768	159	<b>DH7SAP;</b> <b>DK0SU:</b> DF7SA; <b>DP7D:</b> DF1QR; <b>DK0IU:</b>				
RT8O	16680	139	139	60	<b>Indonesia</b>					<b>DJ4KW;</b> <b>DK0AN:</b> DL2RMC; <b>DM8T:</b> DL8MAS;				
<b>Asiatic Russia Call Area 9</b>					YB8HZ	17556	209	0	84	<b>DM4D:</b> DL1BUG; <b>DD5M:</b> DJ0ZY; <b>DQ7A:</b> DJ7AT;				
RA9AP	1135090	1511	1524	374	YE3AA	11232	109	99	54	<b>DM3F:</b> DH5FS; <b>DR2B:</b> DG4NB; <b>DJ7R:</b> DJ7RST;				
RA9DZ	1055324	1360	1374	386	YD1ME	72	6	0	12	<b>DR0R:</b> DK2DQ; <b>DL2OE/P:</b> DL2OE; <b>EF1A:</b> EA1XT;				
UA9KAA	737660	1190	1205	308	YD1DDB	56	7	0	8	<b>EF8U:</b> KD4D; <b>ES5RR:</b> ES2RR; <b>EU1WW:</b> EU1UA				
UA9CTT	525525	984	941	273	<b>El Salvador</b>					<b>EU2AV;</b> <b>TM6X:</b> F5VHY; <b>F/DL3HAH:</b> DL3HAH;				
R9RT	451705	737	744	305	YS1/NP3J	111136	384	220	184	<b>M5Z:</b> JK3GAD; <b>GI5I:</b> G14DOH; <b>GM2Y:</b> MM0DXH;				
RW9QA	332695	658	657	253	<b>New Zealand Call Area 1</b>					<b>HA30S:</b> HA1TJ HA1DAC HA1DAI HA8DM HA1DAE;				
RD9CX	308252	705	709	218	ZL3TE/1	5917	67	30	61	<b>HG7T:</b> HA5KQ HA7TM HA8JV HA0DU; <b>HA1Q:</b>				
RN9RF	305796	745	754	204	<b>New Zealand Call Area 3</b>					<b>DH8VV;</b> <b>HG8C:</b> HA8EK; <b>HB0/DJ9CB:</b> DJ9CB; <b>HD2A:</b>				
RU9WZ	289668	712	722	202	ZL3IO	108228	312	310	174	<b>HC2AO;</b> <b>IR2C:</b> IK2JUB IK2PFL IZ2CEF GABRIELE;				
RA9MX	185545	434	429	215	<b>Multi Operator, DX</b>					<b>I11H:</b> I11HT; <b>IR4E:</b> IK4ZHH; <b>IT9/KA1R:</b> KA1R;				
UA9WOB	169176	498	509	168	<b>Kyrgyzstan</b>					<b>JH1GBZ:</b> JH5GHH; <b>8J1MTD:</b> JA1MML; <b>K1LZ:</b>				
RZ9UO	161136	557	562	144	EX8BN	39808	186	125	128	<b>W1UE, K1XM, K0VBU;</b> <b>W1FM:</b> W1FM N1SOH;				
RC9A	152614	488	503	154	<b>Thailand</b>					<b>K1RX:</b> IK2NCJ; <b>W1PH:</b> W6PH; <b>N2NC:</b> WW2Y				
RL9I	69319	337	336	103	HS0ZIA	1222238	1556	1586	389	<b>N2NC;</b> <b>NY4A:</b> AA4FU N4AF; <b>K5TR:</b> N5AW; <b>N5ZK:</b>				
R9QQ	56769	223	224	127	<b>United States Call Area 1</b>					<b>W5ASP;</b> <b>K7GK/6:</b> K7GK; <b>W7PU:</b> N7EPD; <b>N7AT:</b>				
R9OO	44800	400	0	112	K1LZ	1749753	1967	1930	449	<b>K8IA;</b> <b>K9QVB/9:</b> K9QVB; <b>KF7QCZ/KH2:</b> KF7QCZ;				
RV9YK	41148	196	185	108	W1FM	39083	209	0	187	<b>KP2RUM:</b> K9VV; <b>NP2X:</b> K9VV; <b>LA2AB:</b> LA6GF;				
UA9OA	14250	142	143	50	<b>United States Call Area 2</b>					<b>LT7H:</b> LU7HZ; <b>L33M:</b> LU3MAM; <b>LX7I:</b> DL5SE;				
RZ9UMA	13794	104	105	66	N2NC	225837	550	541	207	<b>LZ9R:</b> LZ3YY; <b>LZ7H:</b> LZ2ITU; <b>LZ49FJ:</b> LZ1FJ; <b>OE2S:</b>				
UA9OV	9288	69	60	72	<b>United States Call Area 4</b>					<b>OE2VEL;</b> <b>OE1H:</b> OE1TKW; <b>OH1B:</b> OH1BOI; <b>OH0R:</b>				
UA9OQM	6192	65	64	48	NY4A	1920312	2139	2157	447	<b>OH2PM;</b> <b>OK3C:</b> OK2ZC; <b>OM4J:</b> OM4JD; <b>OM3R:</b>				
RU9CZD	2646	53	10	42	K4IU	5886	54	55	54	<b>OM3CFR;</b> <b>OK5M:</b> ON5ZO; <b>OU2V:</b> OZ1FJB, OZ1ETA;				
RA9YUI	312	13	0	24	KF4LMW	928	29	0	32	<b>OU2I:</b> OZ1BII; <b>PI4DX:</b> PA0RRS; <b>PI4TUE:</b> PC5A;				
<b>Kazakhstan</b>					<b>United States Call Area 3</b>					<b>PI4OTC:</b> PA3CLQ; <b>PW1A:</b> PY1NB PY1NX PY1ZV;				
UN9L	1341489	1640	1577	417	<b>United States Call Area 4</b>					<b>PR2W:</b> PT2AW; <b>PS2R:</b> PY2TI; <b>PR7AA:</b> PT7MM;				
UN5C	574355	916	919	313	NY4A	1920312	2139	2157	447	<b>ZW8T:</b> PS8HF; <b>SM0MPV/0:</b> SM0MPV; <b>SK2T:</b>				
UN8GV	27702	259	254	54	K4IU	5886	54	55	54	<b>SM2LIY;</b> <b>SM6E:</b> SM6FUD; <b>SE6Y:</b> SM6DED; <b>SA1A:</b>				
UN7FW	18048	192	0	94	KF4LMW	928	29	0	32	<b>SM1TDE;</b> <b>SI5Y:</b> SM5BKK; <b>SF0D:</b> SM0DSF; <b>SD6M:</b>				
UN7QCC	12410	146	0	85	<b>United States Call Area 1</b>					<b>SA6BGR;</b> <b>SM2BJT:</b> SM5BJT; <b>HF9Q:</b> SP9QMP, SP9GFI,				
UN6G	8680	79	76	56	K9MY	102835	306	349	157	<b>SP9XCN, SQ6MS, SP9H;</b> <b>SP2KPD:</b> SP2AEK, SP2DKI,				
<b>Belize</b>					<b>Brazil Call Area 1</b>					<b>SP2MKI;</b> <b>SN6A:</b> SP6CES; <b>SN0RX:</b> DJ0IF; <b>3Z5W:</b>				
V31PA	393120	638	610	315	PW1A	2171980	2032	2113	524	<b>SP5KP;</b> <b>SN2K:</b> SP2FWC; <b>SP1EGN/6:</b> SP1EGN; <b>TC2C:</b>				
<b>Canada Call Area 1</b>					<b>Asiatic Russia Call Area 0</b>					<b>DL2JRM;</b> <b>YM3KB:</b> TA3DJ; <b>TF/SP5IXI:</b> VK6DXI;				
VO1QU	9440	118	0	80	UA0ZS	8004	76	62	58	<b>RY6Y:</b> RA6YDX; <b>RD4A:</b> RD4A UA4ABR; <b>RO7T:</b>				
VO1BQ	8455	95	0	89	<b>Asiatic Russia Call Area 9</b>					<b>RA6FNV;</b> <b>RL3A:</b> RV1AW; <b>RM2D:</b> SM6LRR; <b>RM2U:</b>				
<b>Canada Call Area 2</b>					RC9J	1170699	1612	1649	359	<b>RU3UR;</b> <b>RC9J:</b> RV9JR, RK9JR; <b>RF9C:</b> UA9CIR; <b>UU7J:</b>				
VE2QV	3726	41	40	46	RV9WA	172308	492	504	173	<b>UU1AZ, UT5EO, UU4JMG, UU0JBL, UU0JM;</b> <b>UT7E:</b>				
VE2KOT	3248	56	0	58	RA9UN	19264	112	112	86	<b>UT5ECZ, UR3EZ, UR7EU, UT4EO, UR5EFJ, UT5EL;</b>				
VA2FDT	832	22	10	26	RA9SN	5733	64	53	49	<b>UW7M:</b> UR3MP; <b>UX4E:</b> UR7EC-ALEX MISLAVSKI				
<b>Canada Call Area 3</b>					<b>Station Operators</b>					<b>VLAD VOZNEW;</b> <b>UW3U:</b> UT7UJ; <b>UT5C:</b> UX7CQ;				
VE3OSZ	210176	406	415	256	<b>3V8BB:</b> KF5EYY; <b>4O/YT7AW:</b> YT7AW, YT4RA;					<b>UW5Q:</b> UR3QCW; <b>UT0U:</b> UT5UDX; <b>US5E:</b> UR7EQ;				
VE3IAE	156310	380	390	203	<b>4U1ITU:</b> SV3SJ, F6IFY; <b>9A283XV:</b> 9A3XV;					<b>UW2Q:</b> UR6QS; <b>UT1II:</b> RV1CC; <b>UX9Q:</b> UR9QQ;				
					<b>9A/DG7RO:</b> DG7RO; <b>9M2CNC:</b> G4ZFE; <b>A71A:</b>					<b>UW1U:</b> UT7UA; <b>V5/DK9IP:</b> DK9IP; <b>V55V:</b> DK9IP;				
					<b>VK2CCC;</b> <b>BD4HF/5:</b> BD4HF; <b>BG4HYK/5:</b> BG4HYK;					<b>VY2ZM:</b> VY2ZM, K1LZ; <b>K2NV/VE3:</b> K2NV; <b>VE4VT:</b>				
					<b>CT1JPK:</b> CT3KN; <b>DM6V:</b> DJ2YA, DL4UNY, DL5AXX,					<b>VE4EAR;</b> <b>W6NF/VE4:</b> W6NF; <b>VK6AA:</b> VK21A;				
					<b>DL8WAA;</b> <b>DL1A:</b> DJ2QV DJ1YFK DK7AH; <b>DR0W:</b>					<b>XW0YJY:</b> E21EIC; <b>YR1A:</b> YO3JR; <b>YP9W:</b> YO9WF;				
					<b>DJ5MW, DL8DYL, DL5GAC, DL9DRA;</b> <b>DP6A:</b> DJ9MH,					<b>YQ6A:</b> YO6BHN; <b>YR6M:</b> YO6MT; <b>YP5T:</b> YO5CBX;				
					<b>DL1NEO, DL5KUT, DL8OH;</b> <b>DL0GL:</b> DF9TS, DJ9IE,					<b>YT8A:</b> YU1EA; <b>Z320R:</b> Z35F; <b>ZM1A:</b> ZL1AIH ZL1GO				
					<b>DK3QZ, DL1EKC, DL3QQ;</b> <b>DR5M:</b> DK3GI, DK8AF,					<b>ZL3CW.</b>				
					<b>DL2NBY, DL4NAC, DL5NEN, DL6NBB;</b> <b>DM5D:</b>									
					<b>DK8RE DL8UAT DM5WF;</b> <b>DF0SX:</b> DL5YM, DL9SEV;									
					<b>DL5L:</b> DL7SMK, DL5ANS, DG0OKW; <b>DL0TUM:</b>									
					<b>DL7LIN DJ4MZ;</b> <b>DK0MN:</b> DK3YD DL6NDW;									
					<b>DL0KU:</b> DK4CU, DL3DBH; <b>DL0C:</b> DL6UBM,									
					<b>DL8UKE;</b> <b>DF9ZP:</b> DK8ZB; <b>DK0MM:</b> DJ7IK; <b>DL0RST:</b> </									

## Checklogs

Many thanks to the following stations submitting checklogs: XV9NPS, 4Z5FI, 7K1CPT, 9A4WVY, CT2JBD, CX2AQ, DB3LO, DF6FQ, DF8UO, DH6DAO, DK4WW, DL1KWK, DL1NPG, DL1QQ, DL7USW/P, EA1AW, EA3GBA, EA4GB, EA7BJ, G6OKU, HA1SN, HA5OV, HF22MFF, HK1R, INS99, IT9/KA1R, IZ2DII, JE1RZR, JJ3MJK, JJ5HUD, JP1EHC, K6CSL, KB9O, LA/LY5G, LA3RK, LA8XM, LY2BNL, LY6A, NF8M, OH2BFG, OH8KA, OK1JOC, OK1RR, PA0QX, PA3ANN, PA4EA, PA9WOR, PY1KR, PY1MK, PY1NP, PY1RJ, PY2KP, RZLAC, R7FK, RA0UF, RA4WC, RM6AA, RN3ANT, RT2F, RU4CO, RV1OO, RV3DBK, RW4NY, RW9C, RY6Y, RZ6FA, S58WW, SM0MPV/0, SM5ALJ, SP1DTE, SP7HOV, SP9GFI, SP9ODY, SV1JGX, TK5MH, UA1CE, UA3SKV, UA4AAC, US1IW, UT1IA, UT5IA, UT8IT, UW7W, V5/DK9IP, W1WLW, YL2QN, YO6UO, YR1A, ZL3AB.

## Soapbox Comments

**4U1GSC:** Heavy storm on Saturday morning. Low rates, but QTC compensates for high rates. **7M1MCY:** I enjoyed the contest. **A71A:** My first WAE contest ever! My hat off for all European operators receiving my QTCs 36hrs long. Difficult to do any antenna work outside at +44C and such humidity. **DF1LX:** Fun! **DF1MM:** This year WAEDC contest was very interesting in twins. The main testing had to get to the contest for the position in Hannover from Delmenhorst (130 Km) by bike. The first test has overcome for 8 hours without problems. Problems arose during the audit record QTC's. A tape recorder was not working and had to QTC take in the real time. In general received double the pleasure of traveling and contest. **DF3IR:** Schade dass man als Familienvater ja noch viele andere Verpflichtungen am Wochenende hat! **DF4PD:** vy funny nice job. sorry that a lot of W stn doesnt make qtc traffic. **DF5RF:** KX3 10W, 3ele+Dipole. **DG2FDE:** tnx for contacts. **DJ2AX:** RIG: K3/ 100 ANT: Dipol 80/ 40 HEXBEAM 20/15/10. **DJ2YE:** Wann endlich ohne QTC? **DJ3AK:** It was much fun. 15m-Band was wide open. **DJ3GE:** QRP 5 watt from FT817 via tuner Z11 to off-center-fed antenna 21m long - 8m high I am happy about my first VK contact with QRP and simple antenna, which was possible due to the excellent equipment and antenna farm. **DJ4KW:** Ich fand große Bereitschaft QTCs sogar in Kleinserien zu senden. **DJ6TK:** Very good Activity from all Countries. **DK0AN:** viele bereitwillige QTC Geber sorgten reichlich fuer Abwechslung. **DK1YY:** sorry this year no QTC's ...will get QTC's next year with other software. **DK5DQ:** RIG: IC-7400 PWR: 10W ANT: windom 5m agl. **DL1A:** condx better than expected - we were able to add half a million points to our score from last year - mainly due to increased QTC number. **DL1DAW:** This time it was just for fun and for QTC training purposes. As a beginner I struggled with the high CW speed. Only a few stations adapt to my lower speed and I put 70 QTCs in my log! Thanks to operators who adapt to the CW speed and create fun even for beginners! CU next year hopefully with better propagations. **DL1DQW:** Hatte leider nur 12 Stunden Zeit. Hat trotzdem wieder Spaß gemacht. **DL1IAO:** Enjoyed the propagation and the nice competition. CU next year! **DL1SBF:** Nur kurz dabei, aber derolympische Gedanke zählt - dabei sein ist alles...**DL1THB:** tnx fer nice contest - see you 2014 agn. 73 Harald. **DL2MDU:** The first time as SOHP after a few years together with DK0OD Thanks for this great Contest. 73 Chris. **DL2OE/P:** Working on our local fieldday for short time with KX3 (batterie powered abt. 5 Watts) and Butternut HF9V vertical antenna just for testing the antenna. **DL4AAE:** Just a few QSO's to check propagation. **DL4FN:** IC-7410,

100W; 80/40m delta loop, 20/15m dipoles. **DL4HRM:** LOCATOR = JO51XL TRX KENWOOD TS2000 (<= 100 WATT) MINI DIPOLE 2X 3 METER FIXED ONLY. **DL4UCS:** Had some computer problems. Sometimes the system time changed unnoticed. After the contest I corrected the log to my best of knowledge. Hopefully it's okay now. Lost some qtc's due to hardware problems too. The text file was corrupted and I wasn't able to recover all entries. Sorry for that. Looking forward to next WAEDC with new computer! **DL5HF:** DARC-WAEDC-CW is the best, thanks for a great weekend. See you again next year. **DL5KUD:** Had a lot of fun again, at pretty fair propagation on 40 20 and 15 m. 80 was nearly unusable by thundery and man-made noise. 10 was in bad condition at too low solar flux values. Thanks to all for picking up my 0.08 kW from dipol in 10 m. 73 JO. **DL7CX:** My first WAE CW. **DL7UGN:** Das erste Mal längere Zeit dabei. SUPER-CONTEST! STN: FT-900, GAP-Titan, 62-m-LW. **DL7UMK:** Just before the contest a thunder storm removed my Spiderbeam, so I made spare time operation with dipole and vertical antenna. I used the remaining time for the family, garden and a ride by bicycle. CU, 73 de Manfred DL7UMK! **DM3F:** RIG: IC775+G5RV remote controlled, logged with TR Log Linux 0.20. **DM4D:** Schon mit Schlafmangel an den Start gegangen, aber mit viel Ausdauer noch ein passables Ergebnis erreicht. - Danke für den exzellenten QTC Verkehr! **DM5D:** Ein Beam, ein Radio und 3 von QRL und familiären Verpflichtungen schon vor dem Contest müden OPs ...trotzdem Spaß gehabt! 73 von Hans, Andy und Frank. **DM5EE:** Erster Test des neuen X7-Beams, 6 Stunden Spaß nach Nordamerika. **DO2MS:** Es hat wieder richtig Spaß gemacht! **DO6PS:** Only a 15m Singleband Dipole about 7m high, out of the roof window, with an ICOM IC-706 MKIIG (100W). Vy 73 Philipp, DO6PS. **DR5M:** This was our first WAEDC CW Contest in our B26 Club. We had a lot of fun. Many thanks to our building / construction Team: DG1NSE; DG2NBN; DG5NEW; DL1NC; DL4NU; DL5NAM; DL9NEF; DO2NFS and Sedrick. **DU1XX:** Operating WAE in parallel to monitoring Ham Emergency Radio Operation (HERO) for typhoon UTOR. **DU7HF:** RIG: ic-725, 70-Watt Only. With Dipoor Wire Antenna, 7-Yard Up. **EA7/DH6DAO:** Few contacts QTP from holiday QTH at Costa del Sol Surprised to work 2 times ZL at midnight. **EA8AQV:** YAESU FT-897D DIPOLE WINDOM 10 W. **E15DI:** SD WinKey K3 P3 Please introduce non-Assisted categories. **EU6AA:** RIG - FT-840, pwr=100W, ant - Delta Loop 160m. 73 and CU next year. **EW7SM:** TNX for CONTEST, 73! **EX8BN:** ic-746 ant-dipole. **F/DL3HAH:** Holiday style contest from Brittany. **F5PHW:** Had fun. Just to test new antenna Spiderbeam. Great DX. **F5VBT:** Thanks to the organizers for the excellent contest and to all who copied my qrp signal for QSOs and QTCs. 80 m was pretty silent, nearly no noise (good) and no activity (bad). Nevertheless, highlight was when PW1A moved me from 40 m to 80 m. No idea where he took the confidence to copy my qrp signal. Unfortunately, 10 m never really opened here in south of France. The new rule concerning the off-time (minimum 1 hour slots) is very much appreciated. **GOORH:** Should have practised QTC operation well before the start, not good learning on the fly Many errors caused...hi Still fun weekend, Will get the hang of it next year! Ken, GOORH. **GO5YP:** Lost QTCs for a few QSOs because of fat fingers (Ctrl-A for Cancel rather than Ctrl-S for QSL in Writelog). QSOs 217 K3WW, 295 N4QS, 311 KE3X, 316 K9MY Only part-time effort but very enjoyable contest. QTCs are great fun!. **G3LHJ:** Much enjoyend contest condx good for Qrp - 15m was the best band, 10M very poor - must get to grips with QTC's next year - thanks to all who pulled my QRP signal out of pile-ups, cu next year 73 de Derrick G3LHJ. **G3TXF:** QTCs become an obsession

in this contest ...the more QTCs you receive, the more QTCs you want! **HA0GK:** RIG: FT450AT 80 Watts output Ant: GPN4B vertical for 40,20,15 and 10 m Ant: Dipole for 80 m. **HA3HF:** Kenwood TS-830S, Delta Loop, 2el Quad. **HA3OU:** RIG: YAESU FT-2000, AMERITRON AL-811 ANT: HF6V. **HA6NL:** ICOM756pro 100w 3 el yagi dipoles. **HB9ARF:** K3 100 Watts Antennas - Force 12 C-4s for 7/14/21/28 MHz - Inverted L for 3.5 MHz. **HG8C:** IC735 100 Watts output, Antenna: 40m dipole 20-15-10 m HyGain EX14 Explorer up 40m. **I2WIJ:** Just few hours. Bob, I2WIJ. **IK0HBN:** My first WAE: great fun and with the thrill to type faster and faster with two fingers...**IK2AUK:** Kenwood TS940S Ant: Vertical ECO 7+- Trap dipole 40/80 at 7m gnd. **IR2C:** Lot of fun. Special guest operator Gabriele a 14 years old boy. Fb op! We had some duplicate serial number between RUN and MULT due to a software bug. **JA3JM:** RIG:IC-706 50W ANT:Vertical. **JA3VOV:** I enjoyed the contest. **JA5CBU:** I enjoyed the contest. **JA9CWJ:** Thanks FB contest! See you next year 2014. Yoshi JA9CWJ. **JG3SVP:** I enjoyed the contest. **JJ5HUD:** Many Thanks. I enjoyed very well...**JN3TSY:** RIG:YAESU FT857DM ANT:WIRE LOOP 40MH. **JO1WIZ:** RIG: IC-706MK2 50 Watts Ant: Loaded DP. **JP1EHC:** RIG: TS-130V 10 Watts Ant: Loaded DP. **K3TW:** Greetings from my new QTH in Florida. **K5ZD:** Nice to see 20 and 15 meters open so many hours. Low bands suffered. Suprised at how many European stations would not accept QTCs! **K8FZY:** -thanks all had good time agn. 73 steve k8fzy. **KK4CIS:** N1MM / K3 / Delta Loop Many thanks to the organizers and participants for a fantastic contest weekend. I am glad that 15m was open to EU on Sunday. See you in the next one. Many thanks to SN2K for patiently suffering through my first QTC of the day on Sunday ...clearly I was not fully awake. 73 KK4CIS. **KU2C:** Just having a bit of fun S&P, thanks to the sponsors and all that heard me! **KU7T:** Spent as much time as I could between family activities. This was my first WAE; I had a blast. Everything was working well. Fun contest and rather relaxing, as there is no Europe to work from the west coast between midnight and breakfast! **LA2AB:** poor condx on 10 & 80m here, other bands good Enjoyed contest and the SD contest programme Back next year! **LA3RK:** Difficult to pick dx on 80 m with dipole and 100 W. Could only do saturday evening, should maybe done also sunday evening, less big guns to compete with? **LZ49FJ:** FT-987 dipole on 7/14 MHz. **M0KLO:** Excellent contest although only a part time effort for me. Only started on the code about 14 months ago so this is a real challenge and QTC's are a challenge. Looking forward to the SSB & RTTY legs of the contest. Thanks for putting the contest on. **M5Z:** I felt propagation was worse than last year, weak signal, higher noise level, no DX openings on 10m. ES openings on 10/15m made some QRM in pileup, difficult to hear callback in some cases, but interesting to listen QTC traffic on both ends to see how good operators are. Due to operator's laziness, score is down from last year. I really enjoyed thrill of receiving QTCs. Used usual equipment, K3 and 5 meter wire with ATU put out on balcony. Thanks for picking up my signal from noise. See you in next one. 73 Kazu M0CFW, M5Z, JK3GAD. **N1EN:** Logger misnumbered 13th QTC as 3/10. All subsequent QTC series off by 10. Logged as sent. Tnx fer the test. 73. **N1NN:** 10TH WORKED ALL EUROPE CONTEST. **N3JNX:** Did not have much time to work this contest, maybe more next time. Thanks and 73s...**N4PN:** ONLY OPERATED A FEW HOURS THIS YEAR GREAT CONTEST WITH LOTS OF Q's AND QTC'S THANKS TO THE SPONSOR... **N6MA:** OPERATED FROM W7. **NQ7R:** After several years I once again get to enjoy my favorite contest. Tnx for all QSOs and my apologies to those I just could not pull out. **OE2BZL:** Computer crashed 2 times. Con-

sequently I lost QTCs with V55V. In addition some QSOs may have been lost...**OE2S**: just testing our new location with a small mobile tower. **OG6N**: This one was a low profile effort. I had a bit of fun chasing some DX, taking sauna and relaxing on the couch in between. I slept during the nights so the QSO number on 40m and 80m is very low...**OH2LU**: QSO = 84, QTC = 10, Mult = 109, Score = 10246 pts Rig = IC-756PROII, max. 100 W, RigExpert TI-5 Ant = 3/4/4 el Yagis, 4/80m Inv V Dipoles. **OH5YU**: My first full-time WAEDC effort since exactly 40 years ago. It was great fun competing with my younger self. The OT won :). **OK1-11861**: nice contest, many ufb cw ops, many qrq. **OK1BA**: sorry 50watts and windom antenna it was vy difficult working condx no good 73. **OK1CZ**: One of my favourite contests, enjoying the QTC traffic. I skipped the first night and started on Saturday 09 UTC. Condx seemed very good up to 15m from Saturday PM throughout the night. RIG TS480 at 100W out and a single wire antenna 2x54m with open wire feeder, used on all bands. **OK1FRO**: RIG YEASU FT-950 + PA, PWR 800 W, ANT DIPOLE 2 x 20m. **OK1KZ**: RIG FT-847 100W ANT DIPOLE G5RV. **OK2-9329**: GOOD CONTEST. SEE YOU AGAIN FRIENDS IN WAE SSB & RTTY. RX: YAESU FT-897d, ANT: GP. **OK2QX**: Only short time QRV with "K3" and 3el tribander ev. 54 m LW. **OK5SA**: Worked according the rules and the log is true. **OM3R**: RIG TS-590S, PWR 100 W, Ant G5RV. **OM8ON**: FT2000 dipole. **ON5WL**: Konditionen waren nicht gut, so nur wenig QSO. Es war doch angenehm mit zu machen. Bis nachstes Jahr. 73 Leon ON5WL. **OR2F**: RIG #1= FT-950 / 100W RI6 #2= IC-7400 / 100W ANT #1= MOSLEY BEAM TRIBANDER (20-15-10) + 40M BAND DIPOLE ELEMENT ANT #2= INVERTED VEE FOR 80M BAND ANT #3= R7 MULTIBAND VERTICAL. **OU2I**: Rig: Elecraft K3 - 100W Ant: 20mtr wire as Inverted-L up 12mtr. **PA0RBA**: -73 from Holland, Rienus PA0RBA. **PA0WKI**: A difficult contest for the average participant. **PA3DTR**: I used the contest to get familiar with new contest software. **PE2K**: Dear OM/YL, All QSO made by me in QRP. Stationinfo: QSL via buro, FT2000 5 watt QRP Ant: Gb5RV all bands. Next time without a aurora i hope. Cu all. 73, Adriaan PE2K. **R6CW**: trcvr: TS-950SD

ANT:20m - 2 ele WIRE YAGI 5mh fider=25m. **R7AO**: TNX, 73!. **R7FO**: Rig K2 Ant Delta. **RA0AY**: RIG(s): ic756pro2; ANTENNA(s): AD-2346. **RA4DB**: Very nice test! **RG5A**: TRCVR - FT-2000, POWER 100 W; ANT - DX-77A VERTICAL, DIPOLE 160/80M. **RG9A**: Have no lucky this contest: have no electric power during 8 hours at most important time...**RN2FQ**: TX - 300W ANT- 6el 3band Yagi, I Vee Dipole. **RN3ANT**: Elecraft K2 5 watts, vertical wire 20 m long. **RV6LCI**: FT757GX 100 WT ANT. IV20-40,IV40-80,DELTA 20M. **RW1A**: It's fun! Come back to SOAB, last time I was as RW1AC in WAE CW 2007 with 1 place only 1600. **RW3AI**: Icom 7800, Ant ECO ,LW. **RX3VF**: RIG: IC 746, LW. **S51DX**: Just give some points away - no antennas. **S57DX**: NICE CONTEST! I ENJOY IT VERY MUCH. 73 DE SLAVKO S57DX. **SM2BJT**: Enjoyed very much. **SM5CSS**: Elecraft K3 100w. **SM6/DL7BY/P**: Hatte Probleme mit dem 100 W-Modul im K3. Auf 20 + 15 konnte ich daher nur mit 12 W senden. Leider waren die CONDX nicht so gut, aber es hat immerhin für W7 gereicht. 73 Ben. **SP2WGB**: Trx 100W Ant GP 6m on balcony. **SP3BGD**: My RIG:IC756PROII, Power 80 Watts antenna GP. **SP6LV**: TRX Kenwood TS-850S pwr 100 w, ant delta loop 84m since 1957 sp2lv, from 1997 sp6lv, age 81. **SP7UWL**: FT-1000MP + 3 el. @ 12m. **SP8CGU**: Icom IC-735, power 100W, ant. wire dipole 1/2 wave. **SP9EMI**: TRX IC738 80W ANT QUAD 84m. **SQ9FMU**: TRX: IC-746; PWR-100WTTTS; ANT-GP. **TF/LX1NO**: EUs should learn where TF is located before calling in. **UA0SBQ/P**: RIG: FT-817 POWER 5W, ANTENNAS 40/20/15M DELTA 80M; BATTERY 12V X 17AH. I USE ONLY QRP AT MY FIELD POSITION "BEAR MOUNTAIN". **UA0ZAM**: TNX FOR FB CONTEST 73!. **UA1ATD**: very nice contest, thank you. **UA3QAM**: TS-590S. Ant G5RV-all band. H-25m Lcab.-20m. **UA3UBT**: Kenwood TS-590. **UA9OV**: Transceiver - TS-870S (100 Watts) Antenna - Hustler 4-BTV. **UA9XBJ**: TNX for TEST! **UR4LIN**: ft-857d 100 w. **UR5EPG**: RIG(s): TS 870S; ANTENNA(s): Cushcraft A3S, dipole, vertical. **UR5FCM**: Antenna Delta 40m, LW 42 meters, Rig HomeMade, Pwr 25 Watt(s). **US5ELM**: TNX GOOD CONTEST. **UT7VR**: RIG(s): TS850s; ANTENNA(s): Inv.V; Delta. **UW1U**: TRCVR Flex-3000 100W, Ant: OCF Dipole. Sorry for short

QRV...**UW7W**: Radio: TS-50S Antennas: 4-el & 5-el QUADs. **UX1CW**: FT-107m Delta 80m Straight Key. **UX4E**: GOOD CONTEST. **VA3RKM**: KX3, 5 watts, verticals. A QRP category would be good! **VE3RSA**: Lots of fun and even some new ones for my DXCC...highlight was finding JW calling with no answer on 15 M Sat AM. Low point was my neighbor setting up a "bouncy castle" with noisy motor for their 4-year-old's birthday party for 3 hours on Sunday AM! QRP continues to amaze me. thanks to all who heard my puny signal ...and I even tried QTCs this time around!! - a tribute to the fine ops at the other end. See you next year. **VE7BGP**: I had a lot of fun playing in this contest with my new FT-897D with the Collins CW filter. I also used a Classic IC-735 I fixed up for a few qso's just for the fun of it. **VK3TDX**: Another great contest but very disappointing propagation on 15 and 10 from VK3. Ten meters never opened at all and 15 was only open 3 hours for the entire weekend to EU. 20 meters was excellent and 40 was surprisingly good. The QTC feature of this contest showcases the excellent operating skills of many ops able to copy all the info and it adds a dimension of variety for those of us outside EU who send the QTCs. Thank you to many for waiting in my pileups and taking the time to provide mults on this end. This was a scoring personal best for me so I am happy with the result. Looking forward to next year in hopes of better high band condx. **VU2JOS**: Nice to participate in your contest again. Please change your certificate color or design. I already got many same type certificates in green color! **W0YJT**: QRP WAS ALOT OF WORK IN THIS CONTEST QSB LOTS OF CALLING MY ANTENNA A3S MY RIG WAS MY ELECRAFT K2 GOOD TO WORK THIS CONTEST 73 JOHN. **W6FA**: Best WAE Contest yet! **YO3GNF**: RIG: IC7600 ANT: Vertical BB-10V. **YO4SI**: RIG: KENWOOD FT-857D 100 Watts ANT: Multiband Dipole FD4. **YO7AWZ**: I enjoyed using SD V17.11 TKS EI5DI 73 to all and I hope we'll meet again soon. **YP5T**: FT-950 + PA 300 W DIPOLE. **YQ6A**: GENERAL PA FAILURE AT 17:06 UTC, SORRY. **ZL3IO**: station: K3, hexbeam, vertical limited effort due to housebuilding, good to meet so many old friends.



# 59th European DX Contest (WAEDC) SSB 2013

Results by DF7ZS, DF1QR, DL2NBY, DJ4MH, and DL6MHW

## Continental Winners

### Single Operator, High Power

Africa	CR3L
Asia	RG9A
Europe	ES5TV
North America	CK3AT
South America	PX5E
Oceania	YB4IR

### Single Operator, Low Power

Africa	EA8MT
Asia	4X0T
Europe	S57DX
North America	VE3DZ
South America	YY4DNN
Oceania	YB1AR

### Multi Operator

Africa	V55V
Asia	9K2HN
Europe	DF0HQ
North America	KD4D
South America	PJ2P
Oceania	YE3J

### SWL

Africa	
Asia	
Europe	
North America	
South America	
Oceania	

These are the final results of the WAE DX Contest (SSB) 2013. This year we get some very close results in the top scores but also some very clear winners on the first places. For this contest we used a database containing 311538 QSOs and 262684 QTCs created by 1326 different entrants. A total of 17188 callsigns is estimated to have been on the air. 199799 of all contacts could be crosschecked directly log to log, 90616 of the contacts could be verified indirectly by tracking active callsigns in the database that have not submitted a log. The remaining 21123 contacts represent 'uniques' or 'rare calls' but are left in the database. Thus, one can say, that 93.2% of all contacts could be verified, leaving only a very small amount of doubtful QSOs. Thanks to the whole WAEDC team DF1QR, DL2NBY, DJ4MH and DL6MHW for the log checking and the software updates.

## Top Scores

Call	Score	QSOs					all	QTCs					all
		80	40	20	15	10		80	40	20	15	10	

### Top Ten Single Operator, High Power

Europe														
ES5TV	3843068	63	258	784	1096	72	2273	2313	148	180	224	208	78	838
RW1A	3326043	70	252	891	557	41	1811	2052	200	219	210	166	66	861
EI7M	2381820	40	541	687	855	56	2179	1566	100	162	150	170	54	636
OE6Z	2338362	43	249	638	867	48	1845	1486	116	156	184	194	52	702
EB3CW	2034330	38	510	557	851	64	2020	1134	104	165	150	158	68	645
OE2S	1865880	26	191	409	653	86	1365	1555	80	135	148	178	98	639
DM0B	1789542	24	205	331	506	99	1165	1522	68	162	170	172	94	666
S52ZW	1768494	26	140	570	585	63	1384	1697	84	126	154	158	52	574
SP9LJD	1651941	18	158	623	563	49	1411	1700	68	129	140	150	44	531
LX7I	1519440	53	341	518	407	41	1360	1075	112	144	148	158	62	624

### Non-Europe

CR3L	3463005	192	491	777	1021	615	3096	3099	152	129	98	96	84	559
PX5E	2238169	93	238	442	718	609	2100	2147	124	123	96	94	90	527
CK3AT	2096124	85	393	787	1037	38	2340	2381	112	114	102	92	24	444
RG9A	2065466	59	438	906	798	135	2336	2337	100	132	90	90	30	442
HK1T	2041977	112	414	479	875	261	2141	2122	116	123	86	96	58	479
4L9QQ	1669920	132	256	758	782	58	1986	1990	104	114	94	80	28	420
N1TA	1655232	174	323	526	1035	10	2068	1660	132	114	86	102	10	444
W5WMU	1235067	95	309	614	495	14	1527	1584	108	105	86	84	14	397
W4DXX	973275	0	194	641	919	0	1754	1661	0	99	92	94	0	285
N4PN	970536	20	130	453	871	2	1476	1492	44	93	88	98	4	327

### Top Ten Single Operator, Low Power

Europe														
S57DX	1494324	27	168	336	253	60	844	1574	92	150	158	150	68	618
DL1MAJ	971460	18	112	228	252	52	662	1228	60	114	140	142	58	514
DL5MAE	722970	3	39	119	190	57	408	1254	12	87	124	142	70	435
DJ3MY	691119	13	47	196	273	50	579	1032	44	87	122	128	48	429
DL1MHJ	639268	13	45	131	151	64	404	939	48	84	134	136	74	476
DL5L	620490	20	56	118	193	74	461	829	68	87	114	134	78	481
YT0W	540096	10	48	326	479	8	871	521	40	72	130	132	14	388
LY5W	531186	9	29	144	137	55	374	964	28	69	134	114	52	397
DL3BY	506544	2	33	106	171	43	355	1029	8	72	108	120	58	366
HA4XH	495045	23	37	400	443	62	965	0	68	81	154	142	68	513

### Non-Europe

EA8MT	1305175	38	189	475	536	345	1583	1562	64	105	84	88	74	415
4X0T	1125000	67	170	493	680	107	1517	1483	76	87	88	78	46	375
VE3DZ	792965	46	99	519	561	1	1226	1229	72	75	86	88	2	323
7Z1SJ	706990	1	70	445	483	189	1188	1130	4	69	88	84	60	305
YY4DNN	677908	44	445	0	470	112	1071	1130	64	132	0	78	34	308
ZZ2T	617596	1	113	201	342	307	964	954	4	96	72	78	72	322
N1UR	569191	37	222	447	241	37	984	907	56	87	70	64	24	301
SU9AF	464694	0	71	217	582	113	983	906	0	60	68	76	42	246
HZ1BW	434405	0	272	54	327	157	810	725	0	105	48	80	50	283
PY3OZ	378720	2	13	239	239	224	717	723	8	33	78	76	68	263

### Top Six Multi Operator

Europe														
DF0HQ	4066895	92	554	618	771	96	2131	2304	172	231	218	198	98	917
UU7J	3542665	50	400	687	751	68	1956	2029	184	219	214	190	82	889
HG7T	3511982	67	592	548	1088	52	2347	1824	148	222	176	200	96	842
HA30S	3217250	28	427	865	833	96	2249	2001	108	183	176	190	100	757
DL0CS	2797056	50	348	711	603	50	1762	1880	128	180	200	182	78	768
DL0SN	1751272	47	290	508	637	69	1551	1135	104	156	148	170	74	652

### Non-Europe

9K2HN	3094680	140	638	798	1045	398	3019	3049	120	132	92	94	72	510
V55V	2906112	63	477	653	989	961	3143	3001	80	123	88	88	94	473
PJ2P	2626071	125	500	998	1033	302	2958	2479	116	117	92	98	60	483
KD4D	2334960	121	679	640	996	22	2458	2510	120	132	96	98	24	470
WX3B	2259936	148	384	839	996	34	2401	2387	120	126	96	98	32	472
PR1T	2231372	108	412	418	727	453	2118	2198	124	135	84	92	82	517







DF6JF	L16	2262	39	0	58	DO3CL	C25	8	2	0	4	II3I	36472	188	0	194
DL6KAC	G54	2208	46	0	48	DK1AX	P61	2	1	0	2	IZ2GRG	13068	58	63	108
DL1VF	Q06	2184	30	9	56	DL6JF	S60	2	1	0	2	IX1CKN	9230	51	79	71
DK0ED	C25	2116	32	14	46							IW2FUT	8084	94	0	86
DK5MB	C25	2050	17	24	50	<b>Bosnia-Herzegovina</b>						IZ3NYG	7104	74	0	96
DL8WX	K24	2000	30	10	50	E75MM		3944	58	0	68	IN3EQD	5106	69	0	74
DL2QT	C18	1920	30	10	48							IZ8LIP	3465	45	0	77
DO8ER	H05	1840	40	0	46	<b>Spain</b>						IZ0GYF	2924	43	0	68
DL2MLU	C25	1804	41	0	44	ED7R		162526	478	180	247	IZ3XNJ	1650	33	0	50
DG8DP	C25	1728	36	0	48	EB2RA		95584	285	127	232	IZ8MBW	1612	31	0	52
DL8ZU	F32	1650	30	0	55	EF1A		45370	292	57	130	IZ4AKO	1040	26	0	40
DJ1MM		1624	29	0	56	EA2DT		15120	120	0	126	IZ5ILK	728	28	0	26
DO9ST		1610	35	0	46	EA5DB		14497	133	0	109	IZ4XAI	704	22	0	32
DK4LL	M30	1575	35	0	45	EB5GGB		7080	42	76	60	IV3IDP	570	19	0	30
DJ3CS	X04	1560	30	0	52	EB2ESS		2232	36	0	62	IW2DJN	480	16	0	30
DO1PCD	K36	1488	31	0	48	EA3LS		1456	28	0	52	IK3XTY	442	17	0	26
DP5P	E33	1404	27	0	52	EA1IIP		60	6	0	10	IR1X	160	10	0	16
DH4PSG	N20	1350	25	0	54	EC4AA		18	3	0	6	IK8TEO	112	8	0	14
DL7ULM	C25	1320	30	0	44	EA2DDE		8	2	0	4	IZ5HZO	72	6	0	12
DF2FM	F36	1300	14	36	26	<b>Ireland</b>						IZ1TTR	18	3	0	6
DL1SBF	P51	1288	28	0	46	EI/W5GN		26080	160	0	163	IZ0YHO	8	2	0	4
DL0SX/P	M13	1276	29	0	44	EI3CTB		5846	60	14	79					
DJ4PK	P02	1224	19	17	34							<b>Sicily</b>				
DG9ZA	F16	1218	29	0	42	<b>Moldova</b>						IT9RGY	69822	157	274	162
DL7FB	G50	1092	26	0	42	ER3CT		100375	306	59	275	IT9STG	17440	73	145	80
DL1PF		1008	27	1	36	ER5DX		2976	48	0	62	IT9DEK	1140	30	0	38
DL7CU	D21	896	28	0	32							<b>Norway</b>				
DJ8EW	C25	840	20	8	30	<b>Estonia</b>						LA6CF	15096	111	0	136
DL1AZK	X23	782	23	0	34	ES8SX		620	20	0	31	LA3BPA	14672	112	0	131
DG2FDE	P51	750	15	10	30							LA2HFA	12285	91	0	135
DM6HK		748	22	0	34	<b>Belarus</b>						LA8OKA	680	20	0	34
DN0EMH	K45	630	21	0	30	EW1IP		72877	158	201	203	LA8CJ	18	3	0	6
DL8DXL	S22	608	8	30	16	EW6AF		34452	198	0	174					
DO1DJJ/P	K45	608	19	0	32	EW7DK		510	17	0	30	<b>Lithuania</b>				
DL1DBR	O17	572	16	10	22							LY5W	531186	374	964	397
DK0IG	C25	552	14	9	24	<b>France</b>						LY5T	105600	151	399	192
DK9MH	C18	460	11	12	20	F4DPW		103840	352	0	295	LY2N	13167	99	0	133
DH1RJ	S04	450	15	0	30	F5BSB		73080	290	0	252	LY2NY	8968	76	0	118
DM3F	S07	448	16	0	28	F4FTA		51429	237	0	217	LY2DX	6308	39	37	83
DF5BX	I37	390	15	0	26	F6DRP		43216	296	0	146	LY2ND	1824	38	0	48
DG2UA	Y43	390	15	0	26	F5CT		5723	59	0	97					
DL3TOM		364	14	0	26	F1IWH		3740	55	0	68	<b>Bulgaria</b>				
DG0AM	X23	336	14	0	24	F5MMF		3240	54	0	60	LZ0M	194000	218	752	200
DJ3GE	G25	336	14	0	24	F1MQJ		1218	29	0	42	LZ2FM	6720	70	0	96
DM2AJK	X32	308	14	0	22	F6BZG		192	12	0	16	LZ1UK	954	15	38	18
DL5FCY	F11	280	14	0	20	<b>England</b>						LZ3DJ	572	22	0	26
DF7LS	M09	192	12	0	16	M0Z		252992	276	796	236	LZ49FJ	72	6	0	12
DL7LZ	Y17	176	11	0	16	M6KVJ		3560	40	0	89	<b>Austria</b>				
DK9VA	Q11	144	9	0	16	G4NXG/M		3542	47	30	46	OE6HLF	92217	116	405	177
DF0BV	C25	128	8	0	16	M0TQR		3055	47	0	65	OE2E	51976	199	93	178
DL4NL	C18	128	8	0	16	M5Z		1932	32	10	46					
DO6PS	C25	128	8	0	16	G0T		476	17	0	28	<b>Finland</b>				
DJ5MM	C25	84	7	0	12	G3YTU		442	17	0	26	OH6ECM	82416	303	0	272
DL2DVE	C25	84	7	0	12	G4HSU		364	13	0	28	OH3P	59786	217	117	179
DL1MEB	C25	75	5	0	15	<b>Northern Ireland</b>						OH1B	8742	84	9	94
DL5M	C25	72	6	0	12	GI4AAM		16569	54	209	63	OH1TD	1276	29	0	44
DL8DBW	O43	72	6	0	12							OH2KI	50	5	0	10
DO9GER	F39	72	6	0	12	<b>Scotland</b>										
DL7UGO	D26	70	7	0	10	MM8Z		166124	204	494	238	<b>Czech Republic</b>				
DL1VO	K30	60	6	0	10	MM0GOR		73870	202	213	178	OK6AB	56196	223	0	252
DB1MUC	C25	50	5	0	10							OK2BZE	44895	205	0	219
DG2IAI	A07	50	5	0	10	<b>Hungary</b>						OK2ILD	35616	159	0	224
DL2SKY		50	5	0	10	HA4XH		495045	965	0	513	OK2BEN	11696	86	0	136
DK6ER	C25	40	5	0	8	HA1TI		12513	97	0	129	OK1KZ	9546	86	0	111
DH0MA	C25	32	4	0	8	HG8C		11092	94	0	118	OK1BA	2900	50	0	58
DL6UAM	Y24	30	5	0	6	HA7JTR		2100	35	0	60	OK2GU	2160	36	0	60
DC8KP	C25	18	3	0	6	HA7JQK		1247	29	0	43	OK1VHV	364	14	0	26
DD4BY		18	3	0	6	<b>Switzerland</b>						<b>Slovak Republic</b>				
DJ5CL	C25	18	3	0	6	HB9EYP		15113	127	0	119	OM2TB	14012	113	0	124
DN1MUC	C25	18	3	0	6	HB9CNY		13872	102	0	136					
DN5KID	C25	18	3	0	6							<b>Belgium</b>				
DO7WF	C25	18	3	0	6	<b>Liechtenstein</b>						ON6FC	150684	199	667	174
DO2MSV	C25	12	3	0	4	HB0WR		7802	73	10	94	OR4K	28171	143	0	197
DG8MG	C25	8	2	0	4							OO3ND	1320	33	0	40
DL0DYW	C25	8	2	0	4	<b>Italy</b>						OR2F	180	10	0	18
DN1BYZ	C25	8	2	0	4	IB2Z		236940	242	476	330					
						II0K		38744	109	225	116					
						IC8TEM		38064	78	288	104					

<b>Denmark</b>					UA6LN	65212	238	0	274	<b>Serbia</b>					
OZ9V	10488	92	0	114	RU4SO	52923	158	141	177	YT0W	540096	871	521	388	
OZ7SG	1120	28	0	40	RK3IM	43320	190	0	228	YU2A	179775	220	579	225	
OZ9U	570	19	0	30	UG3G	33855	185	0	183	YU1MS	3658	59	0	62	
OZ2W	324	12	0	27	RA3YDA	22263	123	0	181						
					RA1ANY	19840	124	0	160						
<b>Netherlands</b>					RW3AI	14756	70	49	124						
PI4A	51240	197	108	168	UA1CUR	13685	78	37	119	<b>Multi Operator, Europe</b>					
PA9WOR	44660	151	168	140	RA1ABR	10706	101	0	106	<b>Germany</b>					
PA4PS	40128	209	0	192	RK4R	10507	79	0	133	DF0HQ	X34	4066895	2131	2304	917
PA3EVY	16188	114	0	142	RA3DGH	8640	80	0	108	DL0CS	M15	2797056	1762	1880	768
PG1R	14742	117	0	126	RG5A	6188	45	23	91	DL0SN	O16	1751272	1551	1135	652
PE1FTV	12240	102	0	120	RZ3DOT	5428	59	0	92	DR5M	B26	1488076	1008	1468	601
PA2CVD	9604	98	0	98	RA3AGF	4056	52	0	78	DL0HN	P05	1297159	1010	1127	607
PD3EM	5092	53	23	67	R7HL	3968	46	16	64	DQ7Q	H04	992604	868	960	543
PF9A	3850	55	0	70	RW4NY	3520	55	0	64	DP4M	I38	979017	640	1291	507
PE1RMO	3776	59	0	64	UA6ABE	2880	40	0	72	DP7D	N16	808416	734	870	504
PA3J	3264	51	0	64	R7TO	2268	36	0	63	DL0GL	L03	747327	905	968	399
PD3ALX	3264	51	0	64	RN4ACX	1872	36	0	52	DM2A	D06	460600	657	323	470
PD1B	2940	49	0	60	RT9X	1404	26	0	54	DF3TE	G46	413712	324	1028	306
PD7RB	2288	44	0	52	RA3LDP	936	26	0	36	DL0TUM	C12	279462	377	614	282
PA2W	1122	33	0	34	RO5I	561	17	0	33	DL0UM	F15	232458	426	305	318
PA0O	580	28	1	20	R6CW	420	15	0	28	DK0FC	I18	209749	326	275	349
PE1KVL	325	13	0	25	RA1QD	330	15	0	22	DL8UCC	Y24	182880	212	296	360
PD7MDJ	322	14	0	23	R7TG	171	9	0	19	DL8R	T21	113772	190	309	228
PD5S	65	5	0	13	UA3TW	84	7	0	12	DF0IC	I41	33672	146	37	184
<b>Slovenia</b>					UA6JQ	32	4	0	8	DL0H	H48	8904	84	0	106
S57DX	1494324	844	1574	618	RT3I	3	1	0	3	DF2CH	O04	6240	57	8	96
										DL0VR	R15	2852	46	0	62
<b>Sweden</b>					<b>Ukraine</b>					DJ9KH		714	21	0	34
SK6QA	9180	90	0	102	UT7CA	112225	327	8	335	<b>Belarus</b>					
SM5ISM	6424	73	0	88	UR3CMA	75670	164	165	230	EU1WW	19872	128	16	138	
SM6KFK	4366	59	0	74	UR5QW	24381	129	0	189	<b>Hungary</b>					
SM4WKT	3082	46	0	67	UX7UU	20440	146	0	140	HG7T	3511982	2347	1824	842	
SA7J	2408	43	0	56	UT3EK	18040	110	0	164	HA30S	3217250	2249	2001	757	
SM5KQS	1316	28	0	47	UV3QF	14014	98	0	143	<b>Switzerland</b>					
SA6CBY	560	20	0	28	UT5EOX	13426	98	0	137	HB9RJG	20574	127	0	162	
					US7LM	10906	82	0	133	HB9FA	2014	38	0	53	
<b>Poland</b>					UW2Q	5698	45	29	77	<b>Italy</b>					
SP4SHD	123216	203	250	272	UU8JW	5307	61	0	87	IR4X	433805	1364	273	265	
SP6ZT	99498	305	17	309	UT5ULX	3956	37	49	46	<b>Svalbard</b>					
SQ2WHH	80352	279	0	288	US5MSJ	1081	23	0	47	JW5E	525156	1100	536	321	
SQ8OQE	51840	161	159	162	UR3QOD	1080	30	0	36	<b>Czech Republic</b>					
SP6DVP	43677	207	0	211	UR0EG	792	22	0	36	OK3D	39579	127	110	167	
SP2MKI	43011	130	113	177	UR5WHT	684	11	27	18	<b>Slovenia</b>					
SP3PWL	38744	167	0	232	US5QUB	250	10	0	25	S59T	1680	35	0	48	
SP1FRC	38579	173	50	173	UT7WW	144	6	0	24	<b>Poland</b>					
SP3DOF	33712	187	9	172	U4UI	72	6	0	12	SN2K	257580	499	296	324	
SP3UIW	30800	175	0	176	UR5TEX	48	6	0	8	SP2PUT	40768	75	317	104	
SP7VTQ	20496	122	0	168	UR7AA	30	5	0	6	<b>Ukraine</b>					
SP9BMH	13952	109	0	128	UT0FC	24	4	0	6	UU7J	3542665	1956	2029	889	
SP8CGU	13407	90	19	123	US1UU	3	1	0	3	UT2G	1345707	1201	966	621	
SQ8LSB	6862	73	0	94	<b>Latvia</b>					UT7E	919240	954	922	490	
SP6IHE	4161	57	0	73	YL2GP	231	11	0	21	<b>Latvia</b>					
SP2WGB	3927	51	0	77	<b>Romania</b>					YL1S	102872	262	46	334	
SP6FJ	3672	54	0	68	YO5OBA	121471	193	276	259	<b>Romania</b>					
SQ8KEZ	3626	49	0	74	YO4US	36378	125	157	129	YP3A	389200	485	627	350	
3Z3P	3360	48	0	70	YO2LIM	28324	146	0	194	<b>Single Operator, High Power, DX</b>					
SP9MDY	1080	30	0	36	YO4AAC	28290	62	283	82	<b>Georgia</b>					
SP2RIQ	816	24	0	34	YO8PN	17850	105	0	170	4L9QQ	1669920	1986	1990	420	
SP5WLE	810	18	0	45	YO7CVL	15960	105	0	152	<b>Cyprus</b>					
SQ9IAU	736	23	0	32	YO9IOE	6688	76	0	88	5B4AIF	843018	1313	1338	318	
SQ5JUP	640	20	0	32	YO6LA	3431	47	0	73	<b>West Malaysia</b>					
SP9TTT	390	15	0	26	YO2CJX	2618	19	58	34	9M2SD	784	28	0	28	
SP3BES	98	7	0	14	YO3GNF	2184	34	5	56						
SP7CCB	32	4	0	8	YO9HG	1872	36	0	52						
SQ1RMM	2	1	0	2	YO2LXW	1540	28	0	55						
<b>Greece</b>					YO2MSP	1400	28	0	50						
SV2YC	7854	77	0	102	YO5CUQ	1392	29	0	48						
SW3JH	5888	64	0	92	YO6FPW	1150	25	0	46						
					YO7LYM	1073	29	0	37						
<b>European Russia</b>					YO3FOM	918	19	8	34						
RX1CQ	211012	331	412	284	YO2MLS	396	18	0	22						
R9GM	201201	389	612	201	YO8BGE	50	5	0	10						
RN6MA	170016	308	220	322	YO2BPZ	2	1	0	2						
RA3Y	144900	299	184	300											
RW4WA	115623	209	234	261											

<b>East Malaysia</b>					K1TH	29808	137	139	108	<b>Guam</b>				
9M6XRO	61880	263	257	119	W1MSW	22920	98	93	120	KH2JU	16434	198	0	83
9M6YBG	22110	166	169	66	K1RM	17072	194	0	88	<b>Alaska</b>				
<b>United Arab Emirates</b>					<b>United States Call Area 2</b>					AL9A	77805	404	415	95
A61BK	955206	1421	1225	361	K2CYE	70666	395	2	178	<b>US Virgin Islands</b>				
<b>Taiwan</b>					N2MUN	27242	133	124	106	NP2P	669228	875	924	372
BV1EK	5184	51	45	54	K2NV	3388	40	37	44	<b>Argentina</b>				
<b>China</b>					<b>United States Call Area 3</b>					AY2H	129220	452	458	142
BD3MH	11124	102	104	54	W3LL	818320	1071	1049	386	LU7MT	102790	416	125	190
BG5EFD	5040	90	0	56	W3FV	596924	1084	805	316	LS1F	68150	232	238	145
<b>Chile</b>					K3WW	581954	991	936	302	LTOH	55564	239	240	116
CE2LS	73809	417	0	177	W3KL	254100	550	550	231	<b>Lebanon</b>				
<b>Madeira Islands</b>					K3IPK	203082	539	547	187	OD5PY	149316	540	542	138
CR3L	3463005	3096	3099	559	NK3Y	76242	393	0	194	<b>Brazil Call Area 1</b>				
CT3HF	18240	195	109	60	W3KLG	70224	205	213	168	PP1CZ	358488	759	773	234
<b>Uruguay</b>					K2PLF	59856	255	261	116	PY1MT	3055	45	20	47
CX5TR	32301	178	155	97	K3AJ	50490	184	190	135	<b>Brazil Call Area 2</b>				
<b>Guadeloupe</b>					NE3K	32016	134	142	116	PY2DY	654907	1007	1046	319
FG8OJ	135546	420	359	174	K3OQ	16974	112	95	82	PW2D	469098	756	777	306
<b>Colombia</b>					W3SFG	648	18	0	36	PX2V	411502	800	747	266
HK1T	2041977	2141	2122	479	<b>United States Call Area 4</b>					<b>Brazil Call Area 4</b>				
<b>Saudi Arabia</b>					W4DXX	973275	1754	1661	285	PY4RGS	171587	447	424	197
HZ1HN	242340	593	561	210	N4PN	970536	1476	1492	327	<b>Brazil Call Area 5</b>				
HZ1SM	9464	94	75	56	W4SVO	666813	977	990	339	PX5E	2238169	2100	2147	527
<b>Japan Call Area 1</b>					WX4G	531575	970	963	275	PY5QW	495816	872	880	283
JH1GBZ	877312	1543	1401	298	N6AR	208750	445	390	250	PY5VC	17556	110	99	84
JG1VGX	639471	1319	1150	259	N4ZZ	119394	445	446	134	PY5DC	15435	78	69	105
JA1BPA	27000	150	150	90	W4KW	96492	561	0	172	<b>Brazil Call Area 6</b>				
J11PJ	1560	32	20	30	K0LUZ	96074	398	396	121	PY6TS	45731	160	169	139
JG1WCT	1274	31	18	26	KA8Q	91176	259	265	174	<b>Brazil Call Area 7</b>				
<b>Japan Call Area 2</b>					NO9E	90582	267	220	186	PR7AA	395080	709	702	280
JF2IWL	31926	151	162	102	K1IMI	52514	216	218	121	PY7VI	8880	60	60	74
JA2AXB	1128	25	22	24	K4BAI	42984	198	200	108	<b>Asiatic Turkey</b>				
JH2BTM	928	29	0	32	A14WW	32096	147	125	118	TA3GO	73308	296	300	123
<b>Japan Call Area 3</b>					K4EDI	22487	100	99	113	TA3X	21760	137	119	85
JO3DDD	1260	25	20	28	W4UQ	15370	106	0	145	<b>Asiatic Russia Call Area 0</b>				
JA3FRI	84	7	0	12	KK4EIR	15369	91	50	109	RA0ACM	76032	349	355	108
<b>Japan Call Area 4</b>					K7OM	3195	45	0	71	RA0AM	28046	209	170	74
JH4UTP	542080	1119	1121	242	ND1Y	3105	45	0	69	<b>Asiatic Russia Call Area 9</b>				
JA4DPL	305767	729	734	209	N3UA	150	10	0	15	RG9A	2065466	2336	2337	442
JE4CIL	63123	397	0	159	NS4X	91	7	0	13	UA9JDP	642635	1048	1087	301
<b>Japan Call Area 6</b>					<b>United States Call Area 5</b>					RU9CC	264860	637	655	205
JA6WJL	15336	108	105	72	W5WMU	1235067	1527	1584	397	RK9UE	116112	495	489	118
<b>Japan Call Area 7</b>					KG5VK	37506	157	125	133	RK9QWM	18924	116	133	76
JA7BME	194880	615	603	160	<b>United States Call Area 6</b>					RT9T	3212	73	0	44
JA7ZP	440	20	0	22	W6AFA	98787	324	339	149	<b>Canada Call Area 2</b>				
<b>Japan Call Area 8</b>					K6XX	24592	109	103	116	VE2JR	35500	250	0	142
JH8CXW	408	17	0	24	KX7M	14040	80	76	90	<b>Canada Call Area 3</b>				
JG8TDZ	8	2	0	4	K6TIG	3304	59	0	56	CK3AT	2096124	2340	2381	444
<b>Japan Call Area 9</b>					<b>United States Call Area 7</b>					VE3RZ	538272	929	940	288
JA9CCG	9844	105	109	46	W7ZR	72048	227	229	158	VA3YP	470660	1007	1013	233
<b>United States Call Area 0</b>					WR5G	20313	108	75	111	VE3CX	298566	761	778	194
K0BJ	105944	316	330	164	W7CT	15120	140	0	108	VE3TA	248034	615	619	201
K0VXU	62952	239	249	129	W7PU	2464	56	0	44	VE3RA	121605	313	292	201
K0KX	28644	115	116	124	AJ7T	1280	32	0	40	VE3UZ	16074	87	84	94
KD0FW	27375	219	0	125	KR2E	390	15	0	26	VE3EJ	11780	95	0	124
<b>United States Call Area 1</b>					<b>United States Call Area 8</b>					VE3AD	5040	70	0	72
KB1QU	137808	459	498	144	AC8G	217536	526	530	206	<b>Canada Call Area 6</b>				
W1MA	137340	313	317	218	AC8MR	135030	343	300	210	VE6AO	33640	290	0	116
AB1QP	57760	179	182	160	K9NW	110604	355	354	156	<b>Canada Call Area 7</b>				
					KD8GOX	28944	109	107	134	VA7ST	66000	219	221	150
					KC8RPV	9000	100	0	90	<b>Canada Call Area 9</b>				
					AC8NF	510	17	0	30	VE9HF	447127	1009	910	233
					<b>United States Call Area 9</b>					VE9AA	22866	112	110	103
					N2BJ	416430	995	988	210	VE9PLS	15300	85	85	90
					N9NA	55100	194	186	145					
					K0TQ	10800	108	0	100					
					K9AMP	5963	67	0	89					
					WR9D	5800	74	71	40					
					KC9WAV	2520	40	0	63					

<b>Australia Call Area 3</b>					<b>Republic of Korea</b>					<b>United States Call Area 0</b>				
VK3TDX	231319	717	520	187	DS2CYI	4510	60	50	41	KC0DEB	43568	197	192	112
<b>Australia Call Area 4</b>					<b>Thailand</b>					<b>United States Call Area 1</b>				
VK4QH	10286	87	52	74	E21YDP	65928	271	131	164	N1UR	569191	984	907	301
VK4GH	896	23	5	32	HS0OAG	2760	58	11	40	WA1Z	154602	405	413	189
VK4MN	384	16	0	24	<b>Saudi Arabia</b>					<b>United States Call Area 2</b>				
<b>South Shetland Islands</b>					<b>Japan Call Area 0</b>					<b>United States Call Area 3</b>				
RI1ANU	105742	376	205	182	7Z1SJ	706990	1188	1130	305	AD1L	145733	379	384	191
<b>Mexico</b>					<b>Japan Call Area 1</b>					<b>United States Call Area 4</b>				
XE2B	8288	74	74	56	JG1AVO	98832	426	270	142	KB1VUN	8	2	0	4
<b>Indonesia</b>					<b>Japan Call Area 2</b>					<b>United States Call Area 5</b>				
YB4IR	241280	766	742	160	JM1NKT	80319	328	325	123	NA4K	52038	226	215	118
YC1LA	22422	303	0	74	JA1MZM	13860	115	116	60	W4GDG	40560	200	60	156
YB0NDT	3168	58	30	36	JA1NQU	6448	104	0	62	KV4QS	36414	145	144	126
YB1KI	1081	37	10	23	JA1UXV	6336	88	0	72	W4NFT	19292	145	37	106
YC2FNT	736	23	0	32	JE1RRK	2680	67	0	40	KJ4KKD	8148	97	0	84
<b>New Zealand Call Area 1</b>					<b>Japan Call Area 3</b>					<b>United States Call Area 6</b>				
ZM1G	12462	121	65	67	JE1JLP	1360	40	0	34	N4DE	152	8	0	19
<b>Single Operator, Low Power, DX</b>					<b>Japan Call Area 4</b>					<b>United States Call Area 7</b>				
<b>Azerbaijan</b>					<b>Japan Call Area 5</b>					<b>United States Call Area 8</b>				
4K6FO	255794	539	518	242	JA1GLE	896	32	0	28	JE8KKX	156213	521	500	153
<b>Israel</b>					<b>Japan Call Area 6</b>					<b>United States Call Area 9</b>				
4X0T	1125000	1517	1483	375	JH1SUU	598	23	0	26	JH9DRL/9	6512	58	90	44
<b>Senegal</b>					<b>Japan Call Area 7</b>					<b>United States Call Area 0</b>				
6W7RV	12870	73	70	90	JF1DWJ	506	23	0	22	K6ARN	3472	62	0	56
<b>West Malaysia</b>					<b>Japan Call Area 8</b>					<b>United States Call Area 1</b>				
9M2KRZ	2700	50	0	54	JA1CCX	480	20	0	24	AG6AY	264	12	0	22
9W2VVH	192	12	0	16	JE1RZR	414	13	10	18					
9W2TS	2	1	0	2	JE1CWQ	182	13	0	14					
<b>East Malaysia</b>					<b>Japan Call Area 9</b>									
9M6ZAE	126	9	0	14	JJ1KZZ	112	8	0	14					
9W6ZIM	70	7	0	10	JE1GZB	72	6	0	12					
<b>Oman</b>					<b>Japan Call Area 0</b>									
A41OO	74718	294	299	126	JJ1HHJ	32	4	0	8					
<b>United Arab Emirates</b>					<b>Japan Call Area 1</b>									
A61ZX	106040	587	618	88	JG1GCO	18	3	0	6					
<b>Taiwan</b>					<b>Japan Call Area 2</b>									
BU2CA	2	1	0	2	JF1NNK	2	1	0	2					
<b>China</b>					<b>Japan Call Area 3</b>									
BD4TS	4576	56	48	44	JA3KKG	4280	54	53	40					
BA1SN	520	20	0	26	JM3QJS	462	21	0	22					
<b>Chile</b>					<b>Japan Call Area 4</b>									
CE3PG	72600	281	269	132	JR3NDM	442	17	0	26					
CE1TT	15621	122	1	127	JS3CGH	72	6	0	12					
<b>Cuba</b>					<b>Japan Call Area 5</b>									
CO6LC	94770	355	374	130	JA4GPA	31270	275	20	106					
CO2VE	34428	149	153	114	JR4VEV	10230	77	78	66					
CM2XN	1482	20	19	38	JR4LRY	418	19	0	22					
<b>Philippines</b>					<b>Japan Call Area 6</b>									
DU2XXA	6853	89	0	77	7N4HMB	32	4	0	8					
DU1LC	4004	91	0	44	<b>Japan Call Area 7</b>									
DU2BOQ	924	33	0	28	JA7HYS	3498	53	0	66					
DU7HF	182	13	0	14	JA7BEW	504	21	0	24					
<b>Canary Islands</b>					<b>Japan Call Area 8</b>									
EA8MT	1305175	1583	1562	415	JE8VZK	1938	51	0	38					
<b>Kyrgyztan</b>					<b>Japan Call Area 9</b>									
EX2B	19701	199	0	99	JA9LX	0	0	0	0					
<b>Colombia</b>														
HJ4GJO	2040	40	0	51										

K6PGH	198	11	0	18	<b>Brazil Call Area 5</b>					VA3RKM	70	7	0	10
AE6YB	162	9	0	18	PY5PDC	135546	387	392	174	VA3PAW	12	3	0	4
NJ6W	140	10	0	14	PY5FO	39678	193	196	102	<b>Canada Call Area 4</b>				
KQ6X	50	5	0	10	PU5SVE	4928	112	0	44	VE4YU	41644	180	179	116
WB6MKS	2	1	0	2	PU5AGM	2992	56	32	34	W6NF/VE4	240	12	0	20
					PP5EJ	405	15	0	27	<b>Canada Call Area 6</b>				
<b>United States Call Area 7</b>					<b>Brazil Call Area 6</b>					VE6SPS	144	9	0	16
AE7DW	1386	33	0	42	PU6ROB	60	6	0	10	<b>Canada Call Area 7</b>				
ND3O	1200	30	0	40	<b>Brazil Call Area 7</b>					VE7FCO	1368	38	0	36
AI9Q	1080	30	0	36	PR7AYE	35620	144	130	130	VA7AM	520	20	0	26
N7TEW	630	21	0	30	PY7RP	28280	214	190	70	<b>Canada Call Area 9</b>				
K7FLI	198	11	0	18	<b>Brazil Call Area 8</b>					VE9OA	151550	431	435	175
N7FO	198	11	0	18	PU8YPL	340	17	0	20	VE9EX	32	4	0	8
W0PAN	160	10	0	16	PR8EP	40	5	0	8	<b>Australia Call Area 3</b>				
K7JKM	2	1	0	2	PS8ET	3	1	0	3	VK3VTH	6480	67	68	48
W7SLS	2	1	0	2	<b>Egypt</b>					<b>Hong Kong</b>				
<b>United States Call Area 8</b>					SU9AF	464694	983	906	246	VR2PW	1932	46	0	42
NA8V	189390	458	427	214	<b>Asiatic Turkey</b>					<b>India</b>				
NF8J	96152	387	320	136	TA4AU	187200	519	521	180	VU2NKS	55224	354	0	156
KT8D	22960	102	103	112	TC2C	104988	333	340	156	VU2JOS	572	22	0	26
KJ8O	11252	97	0	116	TA3YE	56490	391	416	70	VU3TMO	50	5	0	10
WS6K	9047	83	0	109	TA7EB	11124	106	100	54	<b>Afghanistan</b>				
N8DWN	2646	49	0	54	TA5CV	5888	64	0	92	T6TM	144	12	0	12
NS8O	1760	40	0	44	TA3EP	130	13	0	10	<b>Indonesia</b>				
K8FZY	1326	26	0	51	<b>Asiatic Russia Call Area 0</b>					YB1AR	211460	552	538	194
N8XX	32	4	0	8	UA0WW	5180	74	0	70	YB0MWM	138744	428	418	164
<b>United States Call Area 9</b>					RA0AY	320	16	0	20	YE1NZ	98564	365	236	164
K9MY	150255	398	397	189	R0CAF	154	11	0	14	YB1TJ	35298	165	168	106
W9VQ	11600	116	0	100	<b>Asiatic Russia Call Area 8</b>					YB1JYL	33460	256	222	70
WQ9U	3834	36	35	54	UB8QAA	11086	119	122	46	YB8HZ	18620	190	0	98
<b>Puerto Rico</b>					RT8O	6240	61	59	52	YB1BGI	18444	159	0	116
WP3GW	14152	122	0	116	<b>Asiatic Russia Call Area 9</b>					YB3IZK	17940	105	90	92
<b>Argentina</b>					RD9SA	322695	750	765	213	YC2SBG	10098	150	3	66
LT7H	89488	337	321	136	RZ9UO	111012	416	425	132	YC9AOS	8268	88	71	52
LU7MCJ	58806	239	247	121	UA9CTT	85077	310	311	137	YB5OUB	5772	111	0	52
LU1ICX	11692	80	78	74	R9UVD	49842	181	170	142	YC2FAJ	5562	103	0	54
LU3DX	5952	61	63	48	UA9BA	32438	201	130	98	YB3EDD	3600	72	0	50
LU1EXR	550	25	0	22	RV9YK	21600	155	70	96	YB9WZJ	3564	40	41	44
LR1A	300	15	0	20	RA9MX	15770	83	83	95	YB0COU	2640	44	0	60
LU7DUE	32	4	0	8	R9QQ	15288	97	99	78	YC5OO	2256	48	0	47
LU5HCB	30	5	0	6	R9AL	14432	76	88	88	YB3DIK	1292	34	0	38
<b>Peru</b>					UA9NP	7332	94	0	78	YC2BYC	1260	35	0	36
OA6Q	48008	233	120	136	RV9LM	4880	63	59	40	YC3ELS	930	30	0	31
<b>Brazil Call Area 1</b>					UA9SMU	2850	50	0	57	YC1HLT	480	20	0	24
PU1KGG	30208	235	237	64	RA9UAD	520	20	0	26	YB0MZI/4	108	9	0	12
PY1NS	3498	53	0	66	R9CAC	40	5	0	8	YC1DML	72	6	0	12
PY1TJ	896	28	0	32	<b>Kazakhstan</b>					YB3GXS	64	8	0	8
PY1KR	161	7	0	23	UN6G	53568	217	215	124	YC0OST	12	3	0	4
PY1SGT	24	4	0	6	<b>Belize</b>					YG9RGA	12	2	0	6
<b>Brazil Call Area 2</b>					V31MA	4176	49	38	48	<b>Venezuela</b>				
ZZ2T	617596	964	954	322	<b>Canada Call Area 1</b>					YY4DNN	677908	1071	1130	308
PU2LEP	22134	181	176	62	VE1ZA	170345	390	395	217	<b>South Africa Call Area 6</b>				
PY2XV	13588	81	77	86	VE1ZD	123318	399	407	153	ZR6K	11264	128	0	88
PY2DV	4752	48	40	54	VE1SQ	5626	97	0	58	<b>South Africa Call Area 9</b>				
PY2VZ	4628	49	40	52	<b>Canada Call Area 2</b>					ZR9C	16560	180	0	92
PU2WDX	2340	65	0	36	VY2MP	47399	169	172	139					
PY2NA	2068	27	20	44	VE2EBK	15600	99	101	78					
PY2COY	1170	30	0	39	VY2LI	7904	53	51	76					
PY2ABN	144	9	0	16	VA2AFH	228	12	0	19					
PY2RDZ	80	8	0	10	<b>Canada Call Area 3</b>									
PT2OP	40	5	0	8	VE3DZ	792965	1226	1229	323	<b>Multi Operator, DX</b>				
PU2UJG	18	3	0	6	VE3IAE	80410	235	238	170	<b>Georgia</b>				
<b>Brazil Call Area 3</b>					VA3GUY	6976	109	0	64	4L0G	1466934	2028	1926	371
PY3OZ	378720	717	723	263	VE3RCN	5550	75	0	74	<b>Kuwait</b>				
PY3KN	74700	244	254	150	VE3MCF	1656	46	0	36	9K2HN	3094680	3019	3049	510
PY3CAL	442	17	0	26	VA3FN	300	15	0	20	<b>China</b>				
PY3AJB	240	12	0	20	VA3DBT	240	10	0	24	BH4TXN	44712	221	193	108
<b>Brazil Call Area 4</b>					VA3PCJ	240	12	0	20					
PY4ZE	33855	161	144	111										
PY4ZO	144	9	0	16										
PU4HUD	64	8	0	8										

<b>Philippines</b>				
DX1EVM	12	3	0	4
<b>Japan Call Area 1</b>				
JE1ZWT	535350	1035	1040	258
<b>United States Call Area 1</b>				
W1FMM	19782	157	0	126
<b>United States Call Area 3</b>				
WX3B	2259936	2401	2387	472
<b>United States Call Area 4</b>				
KD4D	2334960	2458	2510	470
<b>United States Call Area 6</b>				
K6MMM	75752	274	283	136
<b>United States Call Area 7</b>				
KU7T	27864	130	128	108
<b>Alaska</b>				
NL7WW	12600	175	0	72
<b>Argentina</b>				
LU9FHF	130380	419	401	159
<b>Curacao</b>				
PJ2P	2626071	2958	2479	483
<b>Brazil Call Area 1</b>				
PR1T	2231372	2118	2198	517
<b>Brazil Call Area 2</b>				
PX2F	1296945	1973	1722	351
PS2T	960150	1446	1329	346
PS2R	56394	243	239	117
PY2ZR	16856	125	71	86
PT2GMA	1240	31	0	40
<b>Brazil Call Area 5</b>				
ZW5B	2204500	2165	2244	500
<b>Brazil Call Area 7</b>				
PW7T	1693375	1924	1951	437
<b>Asiatic Russia Call Area 8</b>				
R8MD	73154	232	231	158
<b>Asiatic Russia Call Area 9</b>				
RF9C	635268	1015	887	334
UI9I	5124	62	60	42
<b>Namibia</b>				
V55V	2906112	3143	3001	473
<b>Indonesia</b>				
YE3J	48240	232	170	120
YB3ZCD	1440	35	10	32

### Station Operators

**4L0G:** 4L2M; 4L5C; **4U1GSC:** E73A/9A3A; **4X0T:** 4Z5FI; **9A/S562EB/P:** S56A; **9K2HN:** 9K2HN 9K2QA 9K2RO 9K2RR 9K2OD 9K2RX 9K2SR 9K2OK 9K2HK 9K2MY SP4R; **9M2SD:** 9M2ZAK; **AY2H:** LU7HN; **BH4TXN:** BH4TXN, BD4TZ, BH4SQE, BH4SCF, BD4SS, BH4XTE, BH4SRL, BD4SBN; **CE2LS:** CE2SQE; **CK3AT:** VE3AT; **CR3L:** DJ8OG; **DF0BV:** DK5MB; **DF0HQ:** DG1ATN, DJ9AO, DK7YY, DL1AUZ, DL5ANT, DL5AOJ, DL5AXX, DL7CH, DL7FER; **DF0IC:** DH1FY DK4BCE DH5LAM DH4RHB; **DF2CH:** DF2CH, DL9UN; **DF3TE:** DF3TE, DH1PAL; **DJ7R:** DJ7RST; **DK0ED:** DJ8EW; **DK0FC:** DC4BA DF2BR DF7BN DG1BMM DG6BI DG9BFP DL9BCP DL9BQ DO2DEB DO2IH; **DK0IG:** DJ1OJ; **DK0SU:** DF7SA; **DK3A:** DL3LBA; **DL0BMW:** DL5RDP; **DL0CS:** DK2OY, DK5JM, DL3LAB, DL4HG, DL5XJ, DL7AT, DL9EE; **DL0DYW:** DJ5CL; **DL0GEO:** DL2YAK; **DL0GL:** DJ0RU DL3QQ; **DL0H:** DJ6DP DF1OE DJ1SJ; **DL0HN:** DK2ZO DL2SAX DK3SR DK7SO DL2RMC; **DM2A:** DM6DX DC9WX DO5WW; **DM3F:** DH5FS; **DM4D:** DL1BUG; **DM8T:** DG5DJ; **DN1BYZ:** Juergen; **DN1MUC:** Anne; **DN5KID:** Ramona; **DP3D:** DK3KD; **DP4M:** DJ4MH DJ1CW DL8BCU DF1HE DK9BW DG6BU; **DP5P:** DD9HK; **DP7D:** DF1QR DC2CT DK6EA DK9KW DG6YEH DG9YIH SWL Louis; **DQ7Q:** DJ3HW DJ2KH DD1OP DF4AJ DL1OBF DJ7LB DC2FI SWL-MARKUS; **DR0R:** DK2DQ; **DR2B:** DG4NBI; **DR2P:** DJ4AK; **DR2P/P:** DJ4AK; **DR5A:** DG2NBN, DK8AF, DL1NC, DL4SW, DL5NEN, DO2NFS, DO5NEN; **DX1EVM:** DU1SFZ, DU1EOV, DU1EMJ, DU1SPB, DU1JW, DU1SPV, DU1TDX, DV1SEF, DV1VJY, DV1SH; **ED7R:** EA7IZJ; **EF1A:** EA1XT; **EI7M:** EI3JZ; **EO7U:** UY2UA; **EU1WW:** EU1UA EW1BBE; **G0T:** M0SFR; **G4NXG/M:** G4NXG; **GZ5Y:** GM4SSA; **HA30S:** HA1TJ HA1DAC HA1DAI HA8DM HA1DAE; **HB9FA:** HB9ENM HB3YSI HB3YUX; **HB9RJC:** HB9RJC HB9DSN HB9DAX HB9MED HB9ARK; **HG7T:** HA5KQ HA7TM HA8JV HA9PP HA0DU; **HG8C:** HA8EK; **IB2Z:** IK2DZN; **II3I:** II3I (I3QKO); **IR1X:** IZ1GLX; **IR4X:** I4VEQ I4UFH; **IR9W:** IW0HBY; **JE1ZWT:** JR1GSE, JI1ALP, JA1MML; **JH1GBZ:** JH5GHM; **JW5E:** DL2JRM, DL2JIM, DL5SE; **K0AP:** KR2E; **K1IMI:** N4CW; **K6ARN:** W8QZA; **K6MMM:** KE1B, W6NN; **KD4D:** KD4D N3RR N8II K3RA K3AJ KE3X; **KU7T:** KU7T EMMA AUDREY; **LA2AB:** LA6GF; **LR1A:** LU1AS; **LS1F:** LU7FTS; **LT0H:** LU3HY; **LU9FHF:** LU9FHF, LU2FLB; **LX7I:** LX2A; **LZ0M:** LZ2SX; **LZ6K:** LZ2PL; **M0Z:** M0GVZ; **M5Z:** JK3GAD; **MM0KLO:** M0KLO;

**MM8Z:** GM7VSB; **NL7WW:** NL7WW KL3PG; **NP2P:** N2TTA; **OE2E:** OE2GEN; **OE2S:** OE2VEL; **OH1B:** OH1BOI; **OH2BH:** OH6KZP; **OK3D:** OK1CSS, OK2RO, OK6LZ; **PI4A:** PA1TX; **PI4DX:** PD1DX; **PI4TUE:** PC5A; **PJ2P:** DL8OBQ K8LEE; **PR1T:** PY1EW PY1CQ PY1NB PY1NX PY1PL PY1ZV PY4CHM PY4XX; **PR7AA:** PT7MM; **PS2R:** PY2TI, PY2TDX; **PS2T:** PU2RSD PY2EQ PY2HT PY2NY PY2ZEA; **PW2D:** PY2BK, @PY2DM; **PW7T:** PY8AZT; **PX2F:** PY2EX PY2VM PY2PT PY2SD PY2AAZ PY2CDR PY2LED PY2SHF; **PX2V:** PY2KJ; **PX5E:** PP5JR; **PY2ZR:** PY2ZR / PY2RH; **RF9C:** RV9CBW UA9CIR; **RI1ANU:** ZS1OIN (UA3HK); **RM2U:** RU3UR; **S53M:** S51FB; **SA7J:** sm7xgg; **SE5P:** SA5BUM; **SE6Y:** SM6DED; **SK6QA:** SA6AXR; **SN2K:** SP2FWC SQ2GXO SQ2IHP SQ2OFS SQ2SIT; **SN2M:** SP2XF; **SP2PUT:** SQ2KLU; **SP3PWL:** SQ3JPV; **SP8K:** SQ8JX; **SW3JH:** DJ5JH; **TC2C:** TA1HZ; **UA4M:** RA4LW; **UI9I:** RM9I R9IR; **UT2G:** UR3GU UR5GDX UR7GO UR7GW US0GA UY5HF; **UT7E:** UT5EL, UT4EO, UV5EOZ, UR5EAW, UW5EGC; **UU7J:** UU4JMG, US4LS, UU0JM; **UW2Q:** UR6QS; **V55V:** V51W DJ2HD DF2UU DF3GY; **VE6AO:** VE6TC; **W1FM:** W1FM N1SOH; **W1KBN:** KB1REQ; **W3KLG:** K3ND; **W6NF/VE4:** W6NF; **WR5G:** JERRY BOYD; **WR9D:** KB9UWU; **WX3B:** WX3B, K3WI; **YB3ZCD:** YB3BX YD3FZ YG3CJR YB3KK YB3NF YB3SGL; **YE3J:** YB3FBG YB3HJM YC3TQA YB3GZS YC3WUK YC3DXC YE3AA; **YL1S:** YL1ZS YL2PP; **YP3A:** YO3GOD, YO3IMD, YO3ND; **YP9W:** YO9WF; **YQ6A:** YO6BHN; **YT0W:** YU1JW; **Z68BH:** OH2BH; **ZM1G:** ZL2HAM; **ZR9C:** ZS6WN; **ZW5B:** PY5EG, PP5XX, PY5KD, PY2YU, PY2NDX, PP5NZ, PY2KC; **ZZ2T:** PY2MNL.

### Checklogs

Many thanks to the following stations submitting checklogs: 4Z5UN, 5B/RN3QO, AB1OC, BD6AHU, CU2JT, DG1DTL, DK4BY, DK5D, DK6NF, DL1DXF, DL1NPG, DM5DX, DO1GAR, EA1AW, EA3AYQ, EA4GB, EA8TC, EC5EA, G0VXE, GB4KL (YO4RDW), HA3UU, HA5CQZ, HA5OV, INS99, IR2C (IK2JUB, IK2NCJ, HB9DUR), IW2MYH, IZ5UEM, JF1NKN, KC2JRK, KD8HHG, LY2CO, M0DYI, OE1CIW, OH6IO, OK1MKU (Karel Jandik), OK2-9329, OK2SWD, OT4T (ON4BPM), PA7LZ, PC1EMR, PG2AA, PU5UAI, R2LAC, RA0UBI, RK1AS, RU3KO, SA3BPG, SM0WHH, SP2LQP, SP3JZI, SP5GDY, SP7JPN/QR, SP9AUV, SP9KR, SQ2PHG, SQ5PMB, SQ9FQY, SV1JGX, UA1ATD, UA3ABF, UA4AAC, UA9SUV, UR4LBL, UR8QR, US0LW, USF-007 (UR5FCM), UT0LWW (UR3LDO, UR6LCK), VE3JSO, VE9FX, VU2MUD, W1WLW, WA8Y, YM3KC (TA3EL, TA3TA, TA3AGA, TA3ABF, TA3AKI), YO2MHJ, YO8DDP, YO9HOW, YU7AOP (YU7NL), ZW8T (PS8HF/PS8BR/PS8NF).



# 59th European DX Contest (WAEDC) RTTY 2013

Results by DF7ZS, DF1QR, DL2NBY, DJ4MH, and DL6MHW

## Continental Winners

### Single Operator, High Power

Africa	EA8TC
Asia	RG9A
Europe	LX7I
North America	VA2UP
South America	PP5EG
Oceania	KH6ZM

### Single Operator, Low Power

Africa	CN8KD
Asia	RX9SR
Europe	EO3Q
North America	WE4M
South America	ZZ2T
Oceania	YB1LZ

### Multi Operator

Africa	EF8S
Asia	RW9C
Europe	DQ4W
North America	W0LSD
South America	ZV2K
Oceania	

### SWL

Africa	
Asia	
Europe	
North America	
South America	
Oceania	

These are the final scores for WAEDC RTTY 2013. For this contest we used a database containing 377262 QSOs and 211937 QTCs created by 1227 different entrants. A total of 8080 callsigns is estimated to have been on the air. 312764 of all contacts could be crosschecked directly log to log. 51554 of the contacts could be verified indirectly by tracking active callsigns in the database that have not submitted a log. The remaining 12944 contacts represent 'uniques' or 'rare calls' but are left in the database. Thus, one can say, that 96.6% of all contacts could be verified, leaving only a very small amount of doubtful QSOs. Thanks to the whole WAEDC team DF1QR, DL2NBY, DJ4MH and DL6MHW for the log checking and the software updates.

## Top Scores

Call	Score	QSOs					all	QTCs			Multipliers				
		80	40	20	15	10		80	40	20	15	10	all		

### Top Ten Single Operator, High Power

Europe														
LX7I	3022698	265	255	483	440	370	1813	1505	192	213	174	170	162	911
UW3U	2894976	179	313	530	615	235	1872	1359	168	216	160	206	146	896
UR7GO	2703681	180	341	534	499	248	1802	1295	140	213	186	190	144	873
UW5M	2698632	152	362	476	519	409	1918	1121	156	210	174	182	166	888
IW1AYD	2081520	224	397	389	362	191	1563	1092	180	210	142	160	92	784
DM5TI	2038140	226	236	341	355	194	1352	1183	172	186	160	170	116	804
OH8A	1863518	136	219	538	436	271	1600	747	144	180	170	160	140	794
LZ6K	1627857	136	260	318	365	132	1211	868	156	201	150	160	116	783
OH2HAN	1461100	160	294	248	331	222	1255	645	140	183	132	164	150	769
DF9GR	1283680	51	241	239	239	138	908	900	96	204	146	152	112	710

### Non-Europe

RG9A	3714818	274	392	433	491	339	1929	2302	172	210	178	174	144	878
VA2UP	2486848	120	476	377	395	234	1602	1814	100	216	154	160	98	728
K4GMH	2112316	127	348	382	221	135	1213	1921	140	192	156	106	80	674
W3LL	2033460	116	326	325	408	144	1319	1541	136	195	164	140	76	711
W4PK	1849968	95	310	301	432	250	1388	1270	104	174	148	166	104	696
EA8TC	1823360	1	281	217	434	317	1250	2006	4	168	114	140	134	560
W7RN	1241136	123	275	250	333	147	1128	861	84	156	142	148	94	624
JR4OZR	1227976	0	202	259	312	208	981	962	0	168	156	174	134	632
W3FV	1183206	81	293	248	230	213	1065	778	104	180	132	126	100	642
VE7CC	1175254	98	275	387	390	84	1234	528	72	183	184	166	62	667

### Top Ten Single Operator, Low Power

Europe														
EO3Q	1977525	187	383	370	310	255	1505	1080	148	201	154	150	112	765
DF4WC	1541076	212	340	273	296	163	1284	720	156	201	164	144	104	769
RT3P	1470064	166	327	340	332	266	1431	793	152	159	112	128	110	661
DM6DX	1227370	195	166	139	171	102	773	993	188	159	140	128	80	695
IW1QN	1148243	94	190	163	210	114	771	826	144	201	116	164	94	719
OQ6A	1143171	189	205	346	219	94	1053	736	140	153	140	142	64	639
OM7KW	1115724	111	191	274	172	104	852	854	128	150	126	142	108	654
UR0HQ	1095256	126	214	272	369	123	1104	629	124	150	124	148	86	632
UT8EL	897666	185	253	272	211	204	1125	282	156	156	114	110	102	638
HG8C	850432	138	145	233	183	96	795	613	144	126	130	120	84	604

### Non-Europe

ZZ2T	1870456	1	80	260	333	453	1127	2429	4	96	132	154	140	526
WE4M	1820068	79	267	392	338	201	1277	1301	76	180	170	172	108	706
AA5AU	1399860	43	143	217	362	260	1025	1197	72	132	126	164	136	630
CN8KD	1364190	0	300	351	415	481	1547	911	0	165	128	132	130	555
RX9SR	973200	27	53	225	230	238	773	1660	44	60	98	114	84	400
K9NR	962080	70	367	213	256	117	1023	695	60	180	112	128	80	560
TA7I	937900	5	197	210	192	321	925	1335	12	129	82	100	92	415
7Z1SJ	885294	0	85	287	177	265	814	1340	0	123	114	78	96	411
RC9A	866727	51	82	165	154	168	620	1429	92	87	86	80	78	423
VE2AXO	800492	30	129	235	223	133	750	1021	44	108	118	122	60	452

### Top Six Multi Operator

Europe														
DQ4W	3716856	321	321	373	415	261	1691	1741	220	249	204	226	184	1083
DP9A	3475424	243	287	369	363	293	1555	1687	208	246	210	220	188	1072
OK1KSL	2146851	317	193	405	333	217	1465	1298	196	165	164	146	106	777
DR5M	1879160	99	359	343	367	101	1269	886	144	228	190	186	124	872
UT7E	1828992	201	317	352	370	291	1531	1067	164	168	136	134	102	704
OM5M	1557234	154	255	271	329	76	1085	1096	136	198	134	156	90	714

### Non-Europe

EF8S	3673981	133	534	372	423	435	1897	2482	176	225	140	152	146	839
EF8U	2277072	34	423	470	439	437	1803	1221	96	201	162	156	138	753
ZV2K	2276244	0	156	330	569	479	1534	2045	0	156	146	184	150	636
W0LSD	1390488	52	223	315	336	125	1051	973	56	159	180	166	126	687
RW9C	1179648	29	78	196	203	240	746	1558	36	108	128	134	106	512
RF9C	724132	18	186	130	255	118	707	1145	52	129	66	80	64	391

## Results by countries

Groups behind callsign denote DOK (Germany only), score, QSOs, QTCs, and multipliers.

### Single Operator, High Power, Europe

**Croatia**  
9A286A 608856 814 289 552

**Portugal**  
CT2IOV 400384 853 171 391  
CT1BXT 800 20 0 40

**Germany**  
DM5TI C15 2038140 1352 1183 804  
DF9GR T01 1283680 908 900 710  
DH0GHU C07 835084 604 730 626  
DJ6QT F62 781088 620 612 634  
DF2TT 770892 594 768 566  
DJ3NG B07 736746 577 821 527  
DK1KC B10 675831 676 533 559  
DL2OE Y15 660972 581 757 494  
DF8XC N01 554040 524 616 486  
DL9NCR B07 489866 556 523 454  
DK6CQ C25 480129 506 441 507  
DL5XJ M30 422675 582 143 583  
DM2BPG W33 408366 614 312 441  
DL4RCK U13 390951 438 651 359  
DM5O S50 347260 481 414 388  
DJ6TK M03 306816 454 298 408  
DL1DTL S01 277695 319 446 363  
DL5YM 272696 413 353 356  
DL3ANK X35 260927 550 39 443  
DC9ZP G10 258960 498 0 520  
DL6CNG W08 227406 472 30 453  
DK2TG Y11 198828 252 537 252  
DD1JN B10 184885 387 128 359  
DG0KS V02 179284 376 156 337  
DJ6OZ E18 154602 307 102 378  
DH7LF M11 150088 313 271 257  
DF5LR U08 144872 398 0 364  
DM3BJ X20 144045 239 256 291  
DL4ME X30 131352 265 156 312  
DL4NN B31 122474 251 167 293  
DK1AX P61 119679 247 170 287  
DJ9RR E03 100296 200 198 252  
DL5YAS N34 61857 193 44 261  
DF6QV N15 46800 176 58 200  
DJ6TB C16 46786 101 213 149  
DL5MEV C16 44368 134 54 236  
DM5JBN S60 41002 166 0 247  
DF5BX I37 36000 150 10 225  
DK6AH A24 35280 140 0 252  
DL1YFF N01 29640 61 167 130  
DF8AA X37 19838 109 0 182  
DJ9VA K36 16320 120 0 136  
DL1GME 12096 112 0 108  
DC3RJ B25 11845 103 0 115  
DJ1MM 5044 97 0 52  
DL1SWB 2112 35 9 48  
DJ2YE R09 1292 38 0 34

**Spain**  
EA1XT 579364 582 620 482  
EA5EJ 474155 800 365 407  
EA3EZD 207536 663 100 272  
EA7ZY 103362 483 0 214  
EA3KU 80388 196 210 198  
EA7IQM 18480 154 0 120  
EB1DMQ 2632 47 0 56

**Belarus**  
EW6EN 377580 635 233 435  
EW8DD 7839 67 0 117

**France**  
F5GFA 139298 482 0 289  
F4GWY 61268 289 0 212  
F5NBX 20988 110 49 132

**England**  
G0HDV 360159 617 196 443  
G3UHU 62220 204 0 305  
G0OKF 29714 166 0 179  
G0RPM 22080 128 10 160

**Northern Ireland**  
GI6K 211653 603 0 351  
GI5I 29748 201 0 148

**Scotland**  
MM0AMW 827982 800 814 513

**Hungary**  
HG1G 1130064 1174 637 624

**Switzerland**  
HB9ELV 559472 795 163 584  
HB9BJL 223108 268 504 289

**Italy**  
IW1AYD 2081520 1563 1092 784  
IK0FMB 489062 703 648 362  
IK8UND 390566 493 409 433  
I3VJW 333696 529 175 474  
IK5FKF 319957 649 0 493  
IK0GDG 265489 679 0 391  
I3FIY 204459 360 273 323  
IK2VTJ 139908 328 65 356  
IW1FRD 62196 219 0 284  
IV3ZXQ 51150 269 6 186  
IK1MEG 41760 180 0 232  
IK4CLF 31328 113 65 176  
IK2AHB 26992 177 64 112  
IZ4DZD 17673 129 0 137  
IK2QIN 11880 99 0 120  
I6FDJ 2842 58 0 49  
IK3ASM 2460 41 0 60

**Norway**  
LA1TV 1010808 914 754 606  
LA6TPA 78684 296 20 249  
LA9TJA 6138 62 0 99

**Luxembourg**  
LX7I 3022698 1813 1505 911  
LX1NO 999164 859 897 569  
LX1ER 775859 850 553 553

**Lithuania**  
LY1R 102676 386 0 266  
LY9Y 21414 119 10 166

**Bulgaria**  
LZ6K 1627857 1211 868 783  
LZ8E 387872 591 463 368  
LZ2ZG 34320 165 0 208

**Austria**  
OE2E 1230594 1125 816 634  
OH8A 1863518 1600 747 794

**Finland**  
OH2HAN 1461100 1255 645 769  
OH3FM 549598 841 220 518  
OH9VD 261579 527 142 391  
OH2BBT 258842 500 162 391  
OH6BA 246050 492 173 370  
OH3EX 85956 377 0 228  
OH6MW 77724 306 0 254  
OH8FAL 40016 166 78 164  
OH2GI 6512 78 10 74

**Czech Republic**  
OK2BXW 788480 965 315 616  
OK2PF 266175 285 560 315  
OK4RQ 102648 312 0 329  
OK2PCL 62540 236 0 265

**Slovak Republic**  
OM8LA 56544 231 17 228

**Belgium**  
OR5T 45000 165 85 180

**Denmark**  
5Q2J 57915 142 209 165

**Netherlands**  
PI4DX 554190 758 712 377  
PA7LZ 108900 346 149 220  
PE2K 84234 303 0 278  
PA5WT 46176 296 0 156  
PA2ALF 34848 198 0 176  
PA2WO 30751 191 0 161  
PA0VHA 20300 140 0 145  
PA3HGL 13392 93 0 144  
PA9DD 11424 96 0 119  
PD0MBY 2666 43 0 62  
PC5F 312 13 0 24  
PA3EVY 100 10 0 10

**Slovenia**  
S58P 293160 494 553 280  
S57YX 71655 273 8 255  
S51NM 27258 231 0 118

**Sweden**  
SM5QU 303800 504 271 392  
SM4DQE 298959 524 157 439

**Poland**  
SP8CGU 337221 485 316 421  
SP9KR 134157 282 309 227  
SQ7B 111069 369 0 301  
SP5TAZ 89872 328 0 274  
3Z6M 23925 145 0 165  
SP9WZO 7474 74 0 101  
SP3BGD 2109 37 0 57  
SP6IEQ 1152 32 0 36

**Greece**  
SV1DPJ 190015 516 107 305

**European Turkey**  
TA1DX 127332 330 156 262

**Iceland**  
TF3AO 115456 451 0 256

**European Russia**  
RN3A 408146 567 332 454  
RA3NC 340342 659 99 449  
UA5C 293410 553 240 370  
RW4WZ 229152 527 89 372  
RQ2Q 179685 475 20 363  
RA3TT 133110 391 119 261  
RV3TG 101376 305 47 288  
UA4NC 66480 240 0 277  
RA4LOC 19200 150 0 128  
UA3DSN 11682 99 0 118  
RZ6AK 4876 53 0 92  
UA3UJP 2944 64 0 46  
RA2FB 144530 295 190 298  
RN2FQ 30740 145 0 212

**Ukraine**  
UW3U 2894976 1872 1359 896  
UR7GO 2703681 1802 1295 873  
UW5M 2698632 1918 1121 888  
UX5IO 558564 1046 0 534  
UT3N 544423 847 304 473  
US3IS 254560 688 0 370  
UR5WCQ 159478 276 383 242  
UT5ECZ 14008 103 0 136

**Latvia**  
YL2CI 937435 960 605 599  
YL9T 680032 820 444 538  
YL2NN 633648 845 383 516  
YL2UI 518245 889 250 455  
YL2KF 180792 488 160 279



YL3ID		10918	103	0	106	DL4ZA	A19	72459	213	78	249	DF6RI	U15	6656	64	0	104
<b>Romania</b>						DF3EH	L24	68782	289	0	238	DL6UAM	Y24	5640	60	0	94
YP0C	616848	1000	86	568	DJ2GM	C12	66420	246	0	270	DL1OJ	N01	5346	94	5	54	
YQ6A	249320	542	0	460	DJ1XT		62514	141	161	207	DL6NWA		5250	75	0	70	
YO3APJ	792	22	0	36	DF5AN	H09	62457	191	0	327	DC2IP	A53	5040	56	0	90	
					DO1AYJ	X22	62304	244	20	236	DL7URH	S41	5022	54	0	93	
					DO3PKE	Y25	60516	237	9	246	DM3FF	S28	4800	60	0	80	
					DL7AT	E38	60480	216	0	280	DO2ART	G20	4104	57	0	72	
					DO9ST		58740	233	34	220	DM2DMI	X10	3968	64	0	62	
					DH1JH	X22	57980	223	0	260	DF4XG	E33	3952	52	0	76	
<b>Single Operator, Low Power, Europe</b>					DK3CW	F05	56970	193	18	270	DL5KUR	V02	3850	55	0	70	
					DL6ABB	H03	56115	215	0	261	DL6AU	F11	3850	55	0	70	
<b>Croatia</b>					DL4MFF		53086	209	0	254	DF6JF	L16	3074	53	0	58	
9A5DDT	282951	633	0	447	DK4RL	Z91	52796	249	19	197	DM3F	S07	2800	40	0	70	
9A7C	18765	139	0	135	DL8DUL	S02	52576	248	0	212	DG9ZA	F16	2747	41	0	67	
					DG1DUG	H43	51903	219	0	237	DL8AWK	X31	2560	40	0	64	
<b>Portugal</b>					DL5JS	R01	48334	117	169	169	DF5LM		2294	37	0	62	
CT1BXE	47478	246	0	193	DM5WH	F17	48204	234	0	206	DG0DG	S27	2288	44	0	52	
CT5JZX/MM	6912	108	0	64	DO9PL	R24	46080	240	0	192	DG9AY	X23	2210	34	0	65	
					DK7MXX		45580	135	130	172	DM4YWL	S27	1890	30	0	63	
<b>Azores</b>					DJ1YF	E03	45492	214	9	204	DL3ABL	W37	1806	23	20	42	
CU5AQ	85221	267	290	153	DJ6UP	G06	44943	211	0	213	DL6MHW	W37	1785	26	9	51	
					DL4EBW	R29	41764	164	48	197	DO1BEN	G11	1520	38	0	40	
<b>Germany</b>					DL2PR	F27	40788	198	0	206	DL6RBH	U20	1485	27	0	55	
DF4WC	F39	1541076	1284	720	769	DF6WE	L30	38190	190	0	201	DL2ZA	U15	1377	27	0	51
DM6DX	D06	1227370	773	993	695	DL2LMS	S34	37548	119	133	149	DL5AKF	X14	1100	25	0	44
DF2SD	L06	834207	754	733	561	DF2KD	G22	36750	201	9	175	DL9NEI	C26	1040	20	0	52
DG0OKW	X23	823232	631	585	677	DK3A	E19	36192	158	16	208	DO9MJ	H15	672	21	0	32
DK3RA	V10	754281	702	501	627	DL5QS		34132	161	0	212	DO3SP	I49	640	20	0	32
DL3KUD	V01	668150	642	508	581	DL8ZVG	W37	33022	158	0	209	DJ8ES	Z71	504	14	0	36
DL3SYA	V14	624960	789	331	558	DLJ6H	A53	32526	127	107	139	DL2RUG	Y09	450	15	0	30
DH6BH	I54	570620	581	527	515	DL9XAW	E10	32148	171	0	188	DL1VTL	S14	242	11	0	22
DF1LX	M15	552758	525	358	626	DD5MA	G17	31020	107	58	188	DL7BC	A05	65	5	0	13
DL1FCU	F54	434070	572	338	477	DK1AUP	X05	30870	144	3	210	DL5JWL	S65	32	4	0	8
DL1QW	N06	419468	397	597	422	DG3RCE		28728	152	0	189						
DJ4MH	I38	368808	538	224	484	DO5WW	Y24	28710	93	168	110	<b>Bosnia-Herzegovina</b>					
DJ9MH	B10	365311	429	482	401	DL3WKG	W37	26980	142	0	190	E78CB		84	7	0	12
DL1HTY	X40	341770	491	224	478	DL8VKO	P61	26832	156	0	172	<b>Spain</b>					
DL8MAS	T19	331932	398	398	417	DL4EAX	R22	26600	140	0	190	EB2RA		325261	379	628	323
DL5ARM	X33	331325	537	188	457	DL5ANS	X23	26520	136	0	195	EA1VT		294800	533	204	400
DO4DXA	C30	312004	369	644	308	DL6NDW	C12	25424	90	137	112	EA1GT/QRP		119097	401	0	297
DL6AWJ	X23	306720	542	168	432	DL7UGO	D26	23994	129	0	186	EA3HKA		95654	338	0	283
DL9SUB	V14	264355	489	148	415	DL1DBR	O17	23628	123	9	179	EA7AZA		57276	222	0	258
DL1NEO	B36	259448	329	245	452	DF2AD	H51	22704	129	0	176	EA3AYQ		27081	153	0	177
DL5SWB	V14	234192	515	59	408	DL6NCY	B07	22137	108	33	157	EA7AN		22176	176	0	126
DL6UD	Y28	206001	447	40	423	DH9SB	P40	21692	108	79	116	EB5CS		20636	134	0	154
DL6SFR	P11	193614	360	169	366	DJ3GE	G25	21463	127	0	169	EA1HRR		19656	127	29	126
DJ3JD	H03	190629	382	149	359	DL1NX	G20	21312	110	38	144	EA3EXP		18348	132	0	139
DL1ARJ	X28	185256	343	155	372	DK7UM		20860	103	37	149	EB3TR		11342	106	0	107
DK6OR	F54	173430	347	76	410	DO5MCL	I18	20664	126	0	164	EA1FA		11300	100	0	113
DM2TO	W22	169792	280	168	379	DL8ZU	F32	19684	148	0	133	EA7IPP		8136	72	0	113
DM2RM	E28	168078	326	188	327	DJ7MH	I38	19418	124	9	146	EA1CM		6174	63	0	98
DK4VY	E20	160300	350	108	350	DM4TI	X06	18800	86	8	200	EA1EPM		2700	50	0	54
DK9FEC	F42	159854	258	364	257	DG0AM	X23	18360	120	0	153	EC4KW		504	14	0	36
DL4SUN	V15	149733	393	0	381	DO2XX	S50	18176	142	0	128	<b>Ireland</b>					
DJ3IW	U13	147610	158	351	290	DL8LR	Q18	17226	99	0	174	EI3CTB		12367	83	0	149
DL5JAN	S53	146400	304	96	366	DK4EF	F68	17064	108	0	158	<b>Moldova</b>					
DF1MM	I18	146000	333	67	365	DK9MH	C18	14260	106	18	115	ER5DX		71176	287	0	248
DJ2AX	X20	143208	360	48	351	DG2BWG	Y14	13802	103	0	134	<b>Belarus</b>					
DL1AKL	X28	121800	298	122	290	DO8ER	H05	12540	114	0	110	EW8OF		327402	661	113	423
DL4AC	H03	120612	250	187	276	DL9GWA	V04	11904	96	0	124	EU6AA		182160	460	0	396
DG7RO	C06	119808	193	319	234	DL5AZZ	X33	10980	90	0	122	EW6DM		94346	293	0	322
DL5JBW	Y14	116739	341	16	327	DL1TPY	Y11	10509	93	0	113	EU3AA		1080	27	0	40
DD2ML	C15	111696	200	158	312	DG1RPU	Y06	9975	75	0	133	<b>France</b>					
DL9GCG	P03	103304	296	0	349	DK3PM	V02	9954	79	0	126	F5VBT		729120	964	338	560
DH8WE	X23	100166	284	35	314	DD0VS	S09	9944	78	10	113	F8KKH		257280	670	0	384
DL9FB	W33	100080	183	234	240	DJ0MY	F39	9720	72	0	135	F6GCI		236292	406	176	406
DL5A0J	X34	98978	261	148	242	DL3MR	S05	9680	80	0	121	F11WH		199973	301	342	311
DL1ZBO		97905	255	50	321	DLG1EZ	R20	9516	78	0	122	F1VEV		36808	184	30	172
DH2PL	S28	97726	262	0	373	DF2BR	I18	9280	116	0	80	F6DKQ		36330	173	0	210
DK7GH	A05	95400	211	107	300	DC1SK	X06	9204	78	0	118	F5MA		22780	134	0	170
DL4KW	G06	93342	213	118	282	DO4HBK	X10	9200	92	0	100	F5SHN		6549	59	0	111
DK2AJ	W33	89680	285	19	295	DL1LQA		9120	56	40	95						
DF9OO		85426	242	0	353	DG6ME	W09	8820	90	0	98						
DJ7XB		84940	310	0	274	DH7TNO	C01	7425	50	25	99						
DF1HF	E21	82194	213	53	309	DL1MFZ	C06	7420	70	0	106						
DL8NBJ	B39	81600	171	237	200												
DL5GAC	P09	75088	201	160	208												

<b>England</b>					<b>Sicily</b>					OZ4FF	36616	184	0	199
G4DBW	425040	588	332	462	IW3RUA/IT9	538856	1087	309	386	OZ1DGG	13872	102	0	136
G3KNU	297696	497	175	443						OZ5TL	5451	69	0	79
G3RSD	159250	331	124	350	<b>Norway</b>					OZ7AEI	3337	47	0	71
G3SNU	93225	339	0	275	LA5LJA	201334	511	0	394	<b>Netherlands</b>				
G4OGB	87780	293	125	210	LA3LJA	151524	481	68	276	PA3DBS	362805	383	622	361
G6OKU	29808	144	0	207	LA8OKA	93467	293	0	319	PD7BZ	176484	450	123	308
G4NDM	5589	57	12	81	LA7CL	85540	215	149	235	PA3GCU	143888	326	203	272
M0DVV	4800	80	0	60	LA2HF	22140	135	0	164	PA4PS	130900	385	0	340
M1BCM	4012	59	0	68	LA9TY	60	6	0	10	PA2LP	127075	351	40	325
M0CFW	608	19	0	32	<b>Lithuania</b>					PE1FTV	125312	352	0	356
<b>Northern Ireland</b>					LY2SA	732690	780	383	630	PA1JIM	103321	292	81	277
GI7AXB	36550	215	0	170	LY2PAD	252216	558	0	452	PA2CVD	99324	356	0	279
<b>Scotland</b>					LY2LF	6386	103	0	62	PA3CMF	67962	241	0	282
GM8OEG	174408	350	166	338	LY2TS	2480	40	0	62	PD4JOF	56984	240	179	136
MM0RKT	270	15	0	18	<b>Bulgaria</b>					PA3AQL	52405	225	10	223
<b>Guernsey</b>					LZ5XQ	771184	1256	0	614	PE1CPJ	50778	224	10	217
GU0SUP	579792	716	312	564	LZ2ZY	402500	875	0	460	PD0MHZ	49530	254	0	195
<b>Wales</b>					LZ1QV	156883	330	107	359	PD1RO	45878	226	0	203
MW0CRI	410960	550	384	440	LZ1JZ	152208	453	0	336	PD2GSP	45594	183	115	153
<b>Hungary</b>					LZ1BY	117546	411	0	286	PA3CVI	45276	196	0	231
HG8C	850432	795	613	604	LZ1MC	975	25	0	39	PB0ACU	43466	211	0	206
HG3FMZ	307436	604	0	509	<b>Austria</b>					PI4ETL/P	42074	218	0	193
HA3OU	300150	404	321	414	OE2LCM	445392	513	518	432	PA3ACA	41292	180	99	148
HA8BT	159795	477	0	335	OE5PEN	83616	312	0	268	PA3ANN	41160	196	0	210
HA0GK	95100	317	0	300	OE1TKW	2738	37	0	74	PA0CGB	40885	185	0	221
HA2OS	74932	256	30	262	<b>Finland</b>					PA2GRU	36450	162	0	225
HA40QRP	59436	234	0	254	OH2NT	119019	409	0	291	PA0MIR	34048	152	0	224
HA3GO	20328	121	0	168	OH2LU	110931	340	19	309	PD2PKM	32964	201	0	164
HA5CE	17484	124	0	141	OH2LNH	107800	431	59	220	PD0RKA	29200	200	0	146
HA8MV	7200	75	0	96	OH7HM	10230	93	0	110	PA3GDD	21700	140	0	155
<b>Switzerland</b>					OH7EBA	5600	56	0	100	PA9CW	21450	143	0	150
HB9HQX	99684	341	10	284	OH3GLY	4940	52	0	95	PA3HFX	20904	156	0	134
HB9CNY	62594	238	0	263	OH8KA	3168	44	0	72	PA2W	18748	109	0	172
HB9/RV3DH	25760	161	0	160	OH2HPX	924	22	0	42	PA8KW	16583	103	0	161
HB9ELD	1656	36	0	46	<b>Czech Republic</b>					PA0AWH	16170	105	0	154
<b>Italy</b>					OK2CLW	155379	271	182	343	PF5M	14280	119	0	120
IW1QN	1148243	771	826	719	OK1PMA	147798	251	232	306	PD2TW	14036	116	0	121
IK2SBB	292130	551	104	446	OK2PQS	121072	376	0	322	PA00	12284	83	0	148
IK5ZTT	143250	375	0	382	OK2PAD	99180	304	38	290	PD0ME	10602	93	0	114
IZ4RWU	102315	227	132	285	OK8DD	36765	171	0	215	PA7PTT	9504	99	0	96
IK2AUK	100740	292	0	345	OK2UHP	30351	151	0	201	PD8SL	8100	75	0	108
IN3EQD	81744	284	109	208	OK2SWD	10201	101	0	101	PA3DRL	7747	61	0	127
I2BZN	76817	247	0	311	OK1HL	7912	86	0	92	PD1AW	7614	81	0	94
IZ7XNB	73935	279	0	265	OK1IEI	2232	36	0	62	PD0JMH	5544	72	0	77
IZ7DMT	69008	304	0	227	<b>Slovak Republic</b>					PA3FOE	4914	63	0	78
IZ0GYP	53531	269	0	199	OM7KW	1115724	852	854	654	PA3HGF	3922	53	0	74
IZ1GLX	43890	266	0	165	OM3R	229964	484	118	382	PE1KL	1242	27	0	46
IZ0UME	41208	202	101	136	OM5MX	136422	292	137	318	<b>Slovenia</b>				
IZ3XNJ	28542	142	0	201	OM2WX	87262	271	0	322	S57AM	714153	696	577	561
IW1CBG	26080	160	0	163	OM6RK	73260	245	88	220	S51JQ	56404	239	0	236
I0ZUT	20449	143	0	143	OM5UM	46295	197	0	235	S58Q	54384	206	0	264
IK3CST	19435	115	0	169	OM0A	11528	81	50	88	S55VM	48514	171	20	254
IZ2EEV	18626	134	0	139	OM7YC	8162	77	0	106	S52WD	45741	193	0	237
I1DXD	15700	100	0	157	OM4ASI	6936	68	0	102	S57YK	9430	115	0	82
IW3IOD	14238	113	0	126	OM3TLE	5586	57	0	98	<b>Sweden</b>				
IK4QJF	9116	86	0	106	<b>Belgium</b>					SM7BHM	327006	488	178	491
IZ3NPZ	7597	71	0	107	OQ6A	1143171	1053	736	639	SM6FKF	147460	404	0	365
IW0GYC	6210	69	0	90	ON4BHQ	840252	828	601	588	SM5CNQ	61542	224	10	263
IK4JQQ	6048	56	0	108	OP4A	497262	537	537	463	SM7CIL	43425	225	0	193
IK2IKW	5452	58	0	94	ON3DI	309890	665	0	466	SA6CBY	33440	209	0	160
IK4XQT	4900	70	0	70	OP3A	167375	323	192	325	SM6BSK	15240	76	178	60
IZ1TTR	3700	50	0	74	ON6AT	145233	240	249	297	SF5D	6816	71	0	96
I7PXV	3696	48	0	77	OO7R	93150	248	157	230	SM5CSS	3476	44	0	79
IZ8BFV	2628	36	0	73	ON5HY	55040	215	0	256	SM3DXC	2496	52	0	48
IK7LVE	1404	39	0	36	OP9T	24282	171	0	142	SM5ILE	480	20	0	24
IW2JRV	782	23	0	34	ON4KMB	1188	33	0	36	<b>Poland</b>				
IU3AZC	646	19	0	34	ON2AD	918	27	0	34	SQ2WHH	171549	441	0	389
IZ2GIU	2	1	0	2	OO2T	612	17	0	36	SP6JZP	142688	364	0	392
<b>Sardinia</b>					<b>Denmark</b>					SP6DMI	130900	345	40	340
IS0LFZ	129456	348	0	372	OZ6AGX	71189	257	0	277	SP9CTS	128444	394	0	326
					OZ1A00	43845	185	0	237	SP2MKI	104755	261	104	287
										SP5CGN	84672	288	0	294
										3Z60	79110	293	0	270

SQ3PMX	76018	382	0	199	RA4LK	2	1	0	2	<b>Multi Operator, Europe</b>					
SQ6POM	61063	269	0	227											
SQ7LQJ	55224	194	40	236	<b>Ukraine</b>										
SP1DMD	54390	210	0	259	EO3Q	1977525	1505	1080	765	<b>Croatia</b>					
SP1EG	41730	195	0	214	UR0HQ	1095256	1104	629	632	9A7B	99600	300	0	332	
SP2DKI	39964	156	38	206	UT8EL	897666	1125	282	638	<b>Germany</b>					
SP9FQJ	33142	146	0	227	UT5EPP	793338	1179	274	546	DQ4W	Z06	3716856	1691	1741	1083
SP7DBI	26533	157	0	169	US6CQ	683094	808	278	629	DP9A	Y37	3475424	1555	1687	1072
SP9EMI	25668	124	0	207	UX0DL	598640	679	390	560	DR5M	B26	1879160	1269	886	872
SP2QCW	19285	133	0	145	UU9JQ	456057	776	367	399	DK0IU	E34	1071481	1048	573	661
SP6EIJ	17982	111	0	162	UX5UU	283500	463	212	420	DP7D	N16	999502	882	575	686
SP2HNL	15232	119	0	128	UR7EC	257912	626	0	412	DK0CWC		510064	714	184	568
SP3DOF	14884	122	0	122	UX7FD	211480	622	0	340	DF5A	V11	430584	467	457	466
SP9BGS	12513	97	0	129	UY5TE	209780	413	204	340	DL2SAX	P05	40788	117	192	132
SQ8KEZ	11076	78	0	142	UT5JCE	201586	539	0	374	DL5L	X23	4949	49	0	101
SQ9HHG	9990	74	0	135	UR5FEO	163818	479	0	342	<b>Estonia</b>					
SQ5PMB	4608	48	0	96	UY3MW	142080	444	0	320	ES1O		318656	832	0	383
SQ1RMM	792	24	0	33	UY8IF	71868	127	212	212	<b>Italy</b>					
SQ8LSB	162	9	0	18	UY5AX	57117	241	0	237	IQ2CU		512631	860	67	553
SP6IHE	72	6	0	12	UZ5U	50042	262	0	191	<b>Luxembourg</b>					
SV2HXV	176550	642	0	275	UT0FC	49862	233	0	214	LX/PA3DUU		671760	698	382	622
SV2HTI	86784	452	0	192	UR5FCM	45477	203	76	163	<b>Finland</b>					
SV7CUD	25090	130	0	193	UT8IM	42823	200	29	187	OH8F		675728	959	297	538
					UR8EQ	35904	176	0	204	<b>Czech Republic</b>					
<b>European Turkey</b>					UT3WW	33558	141	0	238	OK1KSL		2146851	1465	1298	777
TA1EE	54288	312	0	174	UT3GF	31476	183	0	172	OK2RVM		355218	585	226	438
					UR5LY	29340	163	0	180	<b>Slovak Republic</b>					
<b>Iceland</b>					UT5UN	28427	131	0	217	OM5M		1557234	1085	1096	714
TF3PPN	262438	869	0	302	UR5IHD	22225	127	0	175	<b>Belgium</b>					
TF3HP	2304	48	0	48	US0AK	17400	107	9	150	ON4WLR/A		364210	677	170	430
					UU4JO	16790	115	0	146	ON7LU		119879	313	0	383
<b>European Russia</b>					UX2KA	6344	61	0	104	<b>Netherlands</b>					
RT3P	1470064	1431	793	661	UT4XU	6077	59	0	103	PA8F		1233749	1215	686	649
RA4FUN	699633	982	239	573	UR2MZ	4543	59	0	77	<b>European Russia</b>					
RN4HFJ	560844	936	218	486	UX7FC	3312	69	0	48	RK3DWH		306072	469	233	436
RV3ZN	433800	502	398	482	US5EY	1274	26	0	49	UA3XO		116624	394	0	296
RV6LMG/3	296559	747	0	397	UT4UI	12	2	0	6	RK3RXG		84458	349	0	242
RX1CQ	247608	610	74	362	<b>Latvia</b>					<b>Ukraine</b>					
R3BB	209160	525	305	252	YL3CU	600096	790	274	564	UT7E		1828992	1531	1067	704
UA7G	191130	345	345	277	YL2QV	92415	242	63	303	UX7QV		232401	637	130	303
RA3ATE	168606	392	130	323	YL1WT	16790	115	0	146	UR4PWC		27008	211	0	128
R3PV	145613	487	0	299	YL2NK	1102	29	0	38	<b>Romania</b>					
RA3UAG	141505	326	129	311	<b>Romania</b>					YO4KAK		1584	31	2	48
R3LM	121028	383	0	316	YO5NY	86267	307	0	281						
RA1ALC	115254	342	0	337	YO6DBA	81627	273	0	299						
RA6LIS	93978	414	0	227	YO6HSU	79560	306	0	260						
R2OM	91998	314	28	269	YO2LXW	71514	274	0	261						
RU4CO	86632	297	67	238	YO3GNF	61752	248	0	249						
RA3YAO	76638	318	0	241	YO7ARY	47916	218	24	198						
RX3VF	75078	291	0	258	YO5TP	47676	156	118	174						
UA3TN	74235	303	0	245	YO4BEW	46060	196	0	235						
UA6LPN	62244	273	0	228	YO4CVV	43680	195	0	224						
UA4PCF	51815	241	0	215	YO8BGE	26937	123	0	219						
UA6JQ	50853	201	0	253	YO6DBL	17400	100	0	174						
RV4HL	46968	209	19	206	YO4AAC	16900	130	0	130						
R3GV	41664	192	0	217	YO6FPW	12610	97	0	130						
R2EA	39975	205	0	195	YO2MLS	3283	49	0	67	<b>Oman</b>	A41OO	260400	930	0	280
UA3EKK	38600	193	0	200	YO8WW	2832	48	0	59	<b>Taiwan</b>					
RN6AI	31775	126	79	155	YO7CVL	160	10	0	16	BV1EK		42480	130	110	177
R4WT	25920	152	10	160	<b>Serbia</b>					<b>China</b>					
RV3DBK	24850	175	0	142	YT2U	702416	781	447	572	BH7PFH		57760	196	184	152
RX3Z	20800	160	0	130	YT5W	605982	906	465	442	<b>China</b>					
RV3QK	16512	192	0	86	YU1KT	23232	176	0	132	CE1RPW		41580	155	230	108
RA3V	14552	107	0	136	<b>Macedonia</b>					<b>Canary Islands</b>					
UA4UT	13936	104	0	134	Z39A	214272	508	50	384	EA8TC		1823360	1250	2006	560
UA9FDN	13440	140	0	96	Z320N	149121	511	56	263	<b>Republic of Korea</b>					
RA1AGU	6789	73	0	93	Z36W	112965	356	87	255	HL1/WX8C		11410	66	97	70
RT4W	6552	63	0	104	Z35T	90288	289	8	304	HL5JCB		612	17	0	36
R7HL	6138	93	0	66	<b>Kosovo</b>					<b>Saudi Arabia</b>					
RN3ZMX	6042	57	0	106	Z6/S56A	452276	787	49	541	HZ1HN		41760	199	265	90
RT5R	4950	55	0	90						<b>Dominica</b>					
UB4WAE	4745	65	0	73						J79WTA		147315	483	0	305
UA3NFI	2632	47	0	56											
RW3AI	1782	33	0	54											
RV1AQ	828	18	0	46											
RX3MM	704	22	0	32											
RV3A	476	14	0	34											
RV1CC	435	15	0	29											

<b>St. Vincent</b>					K4LTE	372062	401	653	353	<b>Brazil Call Area 5</b>				
J87GU	981912	1041	915	502	WJ2D	358980	772	0	465	PP5EG	553832	669	625	428
<b>Japan Call Area 0</b>					W2YE	348652	503	360	404	PP5EJ	66138	179	259	151
JA0CGJ	118342	328	225	214	W4TTY	342953	379	768	299	<b>Asiatic Russia Call Area 0</b>				
<b>Japan Call Area 1</b>					AJ4CG	279104	394	390	356	UC0A	1169334	956	1378	501
JM1XCW	1007616	763	1205	512	N4CW	182644	279	314	308	RA0ACM	574056	710	1166	306
JJ1NYH	52447	135	158	179	K4HAL	181916	384	239	292	R0QA	1887	37	0	51
JH1LNL	1140	30	0	38	K7OM	173850	273	202	366	RA0AM	336	21	0	16
JI1JPJ	891	15	18	27	NJ4F	168405	259	286	309	<b>Asiatic Russia Call Area 9</b>				
JA1XUY	640	20	0	32	AI4WW	81702	220	86	267	RG9A	3714818	1929	2302	878
<b>Japan Call Area 2</b>					NC4MI	56244	218	0	258	UA9OG	640460	840	1226	310
JR2LHM	1824	10	104	16	NS4X	51920	169	126	176	RO9A	240553	301	520	293
JA2FSM	24	4	0	6	AF4RK	25777	153	20	149	UA9CTT	124632	319	258	216
<b>Japan Call Area 3</b>					N4QS	23805	98	109	115	UI9I	324	12	0	27
JA3HBF	58587	152	179	177	N1OKL	23187	131	0	177	<b>Uzbekistan</b>				
JA3QOS	23920	75	133	115	N4MKA	10584	98	0	108	UK7AL	7128	66	0	108
JG3BXS	384	16	0	24	WX4G	1120	28	0	40	<b>Canada Call Area 2</b>				
<b>Japan Call Area 4</b>					<b>USA Call Area 5</b>					VA2UP	2486848	1602	1814	728
JR4OZR	1227976	981	962	632	WA5ZUP	181192	459	179	284	VE2FK	1118410	813	1493	485
JO4CTB	7371	81	0	91	W5AP	147231	279	234	287	VE2SG	228096	407	385	288
<b>Japan Call Area 7</b>					N5PU	115200	253	259	225	VY2LI	202130	322	375	290
JA7BME	335829	410	617	327	N5RMS	102986	291	151	233	VE2NMB	180873	297	396	261
JA7IC	210600	282	498	270	KM5PS	84588	246	153	212	<b>Canada Call Area 3</b>				
JO7KMB	58121	143	218	161	NX5O	80080	221	219	182	VE3KI	870224	788	800	548
JA7ZP	5405	31	84	47	W5JBO	61830	270	0	229	VE3NZ	615384	666	888	396
JA7NX	1120	28	0	40	KF5HIQ	864	24	0	36	VA3XH	525389	542	677	431
<b>USA Call Area 0</b>					N5MOA	84	7	0	12	VE3CX	104544	202	392	176
K0JJR	265185	533	106	415	<b>USA Call Area 6</b>					<b>Canada Call Area 4</b>				
K0ALT	250140	366	294	379	K6HGF	672777	860	769	413	VE4EAR	171052	299	275	298
KS0AA	183216	315	379	264	W6OQJ	250965	383	462	297	<b>Canada Call Area 5</b>				
N0KE	120032	285	67	341	N6HE	97273	273	134	239	VE5MX	293235	468	397	339
KE0PX	52080	248	0	210	W6CWM	60228	252	0	239	<b>Canada Call Area 6</b>				
K4IU	28178	146	0	193	WS9M/6	55752	185	91	202	VE6AO	8000	100	0	80
K0KX	25955	145	0	179	N2NS	44550	155	70	198	<b>Canada Call Area 7</b>				
KD0FW	5320	70	0	76	N9YS	31208	151	15	188	VE7CC	1175254	1234	528	667
<b>USA Call Area 1</b>					NK6A	27652	166	57	124	VE7IO	104157	341	148	213
W1TO	277791	299	600	309	AA6MK	23182	134	0	173	<b>Canada Call Area 9</b>				
K5ZD	200164	290	362	307	K6LRN	8162	77	0	106	VE9HF	13680	120	0	114
K1DM	58065	237	0	245	<b>USA Call Area 7</b>					<b>Australia Call Area 3</b>				
K1SM	49352	248	0	199	W7RN	1241136	1128	861	624	VK3TDX	276660	453	501	290
N1IW	37752	124	188	121	W7WW	159034	382	225	262	VK3VT	34776	157	95	138
K1RO	22627	102	85	121	NO7T	106720	204	256	232	<b>Australia Call Area 7</b>				
AB1QB	9660	46	46	105	W7IJ	86848	218	150	236	VK7AD	2444	47	0	52
<b>USA Call Area 2</b>					W6RLL	80290	259	0	310	<b>Mexico</b>				
W2YC	260406	629	0	414	W7PU	68080	368	0	185	XE1H	209814	310	557	242
NA2M	237267	392	251	369	N3RC	60984	264	0	231	XE2B	63140	218	167	164
N2KI	223040	366	314	328	W7VXS	48918	209	54	186	<b>Indonesia</b>				
K2NV	78584	204	313	152	K7LFY	31396	167	0	188	YB4IR	70680	191	274	152
W2IUC	18445	119	0	155	KF7PBM	28372	164	0	173	YB3BX	18	3	0	6
KA2AEY	2646	49	0	54	W7OLY	20385	102	49	135	<b>Single Operator, Low Power, DX</b>				
<b>USA Call Area 3</b>					KC7V	5922	63	0	94	<b>Georgia</b>				
W3LL	2033460	1319	1541	711	KB7N	4720	59	0	80	4L1BR	36252	215	103	114
W3FV	1183206	1065	778	642	N7JB	216	12	0	18	<b>Israel</b>				
N3QE	873719	613	1008	539	W7VS	32	4	0	8	4Z5FI	2744	49	0	56
NE3H	346087	428	581	343	<b>USA Call Area 8</b>					<b>West Malaysia</b>				
AA3B	241857	388	305	349	KE8M	911676	753	1100	492	9M2ZAK	300	15	0	20
K3NK	125664	192	270	272	WA8RPK	56496	240	81	176	<b>Pakistan</b>				
K3MD	123478	226	351	214	AB8RL	14760	123	0	120	AP2IA	45008	232	0	194
K3TN	97359	169	222	249	AE8TT	10680	89	0	120	<b>Taiwan</b>				
WA3FRP	70384	194	138	212	<b>USA Call Area 9</b>					BU2BI	8	2	0	4
K3ATO	36720	180	0	204	W9ILY	966006	736	1073	534					
NN3RP	26462	82	120	131	KE9I	645468	755	689	447					
WA3AAN	12900	67	105	75	<b>Hawaii</b>									
NB3R	9512	45	119	58	KH6ZM	874000	941	1059	437					
<b>USA Call Area 4</b>					<b>Alaska</b>									
K4GMH	2112316	1213	1921	674	AL9A	241678	486	325	298					
W4PK	1849968	1388	1270	696	<b>Puerto Rico</b>									
K9OM	1085316	807	981	607	KP4JFR	75341	329	0	229					
W4GKM	411587	625	582	341	<b>Argentina</b>									
					LW5DW	102144	260	538	128					
					LW9ETQ	4266	69	10	54					

<b>China</b>					7K3OZQ	60	6	0	10	AB4SF	699425	538	847	505
BA1PK	115560	287	141	270						WB2RHM/4	629464	484	760	506
BG5TOX	91592	253	175	214	<b>Japan Call Area 4</b>					KV4QS	364815	459	546	363
BA4TB	100	10	0	10	7L4IOU	192000	278	472	256	W4GDG	331748	460	328	421
					JR4VEV	114400	212	308	220	W4UEF	220088	316	355	328
<b>Chile</b>					7K4QOK	81774	177	285	177	K4FTO	88080	207	160	240
CE4SFG	109736	346	292	172	<b>Japan Call Area 5</b>					NT4TS	70656	194	174	192
CE3PG	24752	182	0	136	JJ5HUD	68904	185	211	174	WB4M	69576	147	165	223
					JG5DHX	58951	139	214	167	WD9GMK	53480	156	124	191
<b>Cuba</b>					<b>Japan Call Area 6</b>					KM4JA	43618	122	104	193
CO2OQ	324532	539	488	316	Ji6BEN	400	20	0	20	N4TL	28290	138	0	205
CO2IZ	183306	377	292	274	<b>Japan Call Area 7</b>					K4MIL	27318	104	70	157
CO2VE	122492	353	189	226	JE7HYK	97920	163	347	192	W4TSP	20808	136	0	153
CO2GL	73710	290	88	195	JH7RTQ	66990	159	276	154	NG4L	18960	115	5	158
CO2WL	66778	310	76	173	<b>Japan Call Area 8</b>					N4UEZ	12760	67	78	88
CO2RVA	40920	180	84	155	JA8EIU	172725	229	476	245	N4ART	11088	88	0	126
CM2XK	39639	219	0	181	<b>Japan Call Area 9</b>					N2WN	9660	105	10	84
CM3DSE	30653	203	0	151	JA9LX	59292	125	241	162	K4VOZ	5856	61	0	96
					<b>USA Call Area 0</b>					K4TOJ	4256	50	6	76
<b>Morocco</b>					K0TI	225131	529	168	323	K4EDI	1056	15	29	24
CN8KD	1364190	1547	911	555	KS0M	67233	204	103	219	N3CZ	560	16	0	35
					N0OK	45410	190	0	239	<b>USA Call Area 5</b>				
<b>Madeira Islands</b>					K0FBV	17516	116	0	151	AA5AU	1399860	1025	1197	630
CT9/DJ7TO	231	11	0	21	K0YQ	7918	54	20	107	WB5TUF	393638	438	469	434
					K0LDS	6885	52	29	85	W5EW	291346	601	178	374
<b>Uruguay</b>					AC0E	4896	45	27	68	WM5DX	159903	267	222	327
CX8AF	9700	97	0	100	K0FYI	2	1	0	2	K5ND	127629	313	176	261
					<b>USA Call Area 1</b>					WE6EZ	126750	375	0	338
<b>Canary Islands</b>					AD1L	380730	531	579	343	N5KWN	70152	296	0	237
EA8OM	609400	633	752	440	K1SD	299910	357	412	390	W5LA	32926	116	86	163
					AE1T	242158	401	305	343	KE5OG	25122	149	9	159
<b>Kyrgyzstan</b>					N1API	182758	331	336	274	<b>USA Call Area 6</b>				
EX8BN	21440	134	0	160	AB1J	169344	448	0	378	WN6K	125652	305	139	283
					K1PU	123405	220	213	285	N6MSY	46330	205	0	226
<b>Guadeloupe</b>					W1CCE	96375	196	179	257	AF6SA	35460	197	0	180
FG1PP	139380	298	207	276	KA1C	71208	148	239	184	K6BIR	15151	109	0	139
					WA1ZYX	46464	124	228	132	W6KY	12152	89	9	124
<b>Republic of Korea</b>					WA1DRQ	32208	96	148	132	<b>USA Call Area 7</b>				
DS4GQR	14384	124	0	116	W1MAW	26390	159	23	145	W1ZD/7	302316	467	387	354
HL5YI	1680	30	10	42	KB1DMR	16637	67	64	127	W7OM	218326	476	155	346
					KJ1J	15900	100	0	159	K7TQ	170190	418	131	310
<b>Thailand</b>					KA2KON	10716	51	90	76	NW7D	114777	287	64	327
E21YDP	172344	516	0	334	KX1X	5418	63	0	86	N7ESU	69324	318	0	218
					WX1S	2816	44	0	64	KI7MT	62088	272	126	156
<b>Saudi Arabia</b>					N0XZ	153	9	0	17	AE7DW	59200	236	60	200
7Z1SJ	885294	814	1340	411	<b>USA Call Area 2</b>					W7WEC	36108	177	0	204
7Z1HL	136770	470	0	291	N2FF	393960	376	629	392	WS7V	33698	153	50	166
					K8FC	272238	394	473	314	N0EF	30012	153	30	164
<b>Japan Call Area 0</b>					K2DSL	228468	304	419	316	W7LD	22419	159	0	141
JA0VTK	814	22	0	37	KC2WUF	192960	334	269	320	AD7ND	14160	118	0	120
					WB2COY	114205	217	238	251	WA7BME	2622	46	0	57
<b>Japan Call Area 1</b>					K2YG	107856	145	359	214	N7YV	546	21	0	26
JS1KKY	47894	114	197	154	WA2LXE	86031	205	158	237	N7TEW	50	5	0	10
JS1IFK	39772	122	204	122	AD2TM	56463	123	196	177	<b>USA Call Area 8</b>				
JR1EMO	38522	206	0	187	AC2FA	23986	131	48	134	AA8R	311460	451	265	435
JA1GFB	32130	170	0	189	KE2D	5313	49	20	77	WB8JUI	78975	253	72	243
JP1IMA	13992	106	0	132	W2DZ	1767	31	0	57	WS6K	5640	60	0	94
JA1CCX	5548	73	0	76	WA3AFS	578	17	0	34	KD8SNZ	3050	50	0	61
JK1NSR	3100	50	0	62	<b>USA Call Area 3</b>					<b>USA Call Area 9</b>				
JG1WGE	2852	46	0	62	KB3LIX	552081	517	612	489	K9NR	962080	1023	695	560
JA1BWA	2318	38	0	61	W3DQN	436968	457	614	408	KD9MS	300625	318	607	325
JJ1EWK	1292	34	0	38	N3XLS	330786	481	365	391	W9PA	70866	254	0	279
JA5INF/1	312	13	0	24	W3SFG	57344	141	115	224	N7GVV	15260	95	14	140
JH1XUZ	220	11	0	20	W4EE	55552	217	0	256	W9VQ	8505	81	0	105
JE1CAC	70	7	0	10	KN3A	50688	118	138	198	WU9D	1450	29	0	50
					AD2L	10680	89	0	120	N9BT	760	20	0	38
<b>Japan Call Area 2</b>					N3JNX	2520	42	0	60	<b>Hawaii</b>				
7N2UQC	205344	302	442	276	K3OQ	816	24	0	34	KH6CJJ	41762	114	200	133
JA2GHP	46956	138	163	156	<b>USA Call Area 4</b>					KH6GMP	17980	145	0	124
JE2CPI	3300	55	0	60	WE4M	1820068	1277	1301	706	<b>US Virgin Islands</b>				
JR2MVC	2254	49	0	46						KP2DX	27406	193	0	142
JF2FIU	644	23	0	28										
JA2IXS	162	9	0	18										
<b>Japan Call Area 3</b>														
JG3FEA	355240	377	693	332										
JF3NKA	36240	139	163	120										
JA3JM	36015	127	118	147										
JH3BYX	6384	76	0	84										
JA3MIB	1734	34	0	51										
JH3GMI	1716	33	0	52										
JE3UHV	253	11	0	23										

<b>Puerto Rico</b>				
WP3GW	17664	128	0	138
<b>Argentina</b>				
LU7MCJ	7224	84	0	86
LU5MT	6272	61	37	64
LU6UAL	112	8	0	14

<b>Lebanon</b>				
OD5PY	127440	312	396	180

<b>Brazil Call Area 1</b>				
PP1CZ	219308	397	609	218

<b>Brazil Call Area 2</b>				
ZZ2T	1870456	1127	2429	526
PU2TRX	82650	246	479	114
PX2T	34194	177	240	82
PS2R	510	17	0	30

<b>Brazil Call Area 4</b>				
PY4XX	97572	177	387	173
PY4ZO	36	6	0	6

<b>Brazil Call Area 5</b>				
PP5NS	52671	233	58	181
PY5TJ	18172	118	0	154

<b>Palau</b>				
T88ON	40508	247	0	164

<b>Asiatic Turkey</b>				
TA7I	937900	925	1335	415
TA7AO	20976	152	0	138

<b>Asiatic Russia Call Area 0</b>				
RW0SR	163815	489	0	335
UA0ZS	87550	281	144	206
R0CAF	78070	229	141	211
UA0CMG	21470	123	67	113
RA0WHE	14104	164	0	86
UA0CNX	7482	87	0	86
RX0AF	120	10	0	12

<b>Asiatic Russia Call Area 8</b>				
UF8T	160440	274	490	210

<b>Asiatic Russia Call Area 9</b>				
RX9SR	973200	773	1660	400
RC9A	866727	620	1429	423
RA9AU	652668	712	876	411
RA9CUU	226233	417	514	243
RA9UN	164934	241	592	198
RA9DZ	53580	228	0	235
UA9OV	20930	86	144	91
RW9MZ	13837	137	0	101
RA9AFZ	1428	42	0	34
UA9AFS	1058	23	0	46
UB9LBL	171	9	0	19

<b>Kazakhstan</b>				
UN5C	656370	763	667	459
UN6G	60216	208	178	156
UN3Z	44268	204	0	217

<b>Canada Call Area 1</b>				
VE1ZD	71610	205	180	186
VE1BZI	17544	129	0	136
VO1OR	448	16	0	28
VY1XY	288	18	0	16

<b>Canada Call Area 2</b>				
VE2AXO	800492	750	1021	452
VE2EBK	144755	243	412	221
VY2MP	132374	209	338	242
VE2LX	54510	237	0	230
VE2FFE	32589	114	99	153
VE2KOT	5986	73	0	82

<b>Canada Call Area 3</b>				
VE3KAO	252255	355	398	335
VE3AJ	121968	251	211	264
VE3MGY	110385	495	0	223
VE3RCN	36210	170	0	213
VE3MCF	12728	113	35	86
VA3FN	12625	101	0	125

<b>Canada Call Area 6</b>				
VE6SQ	36166	196	18	169
VE6QO	28199	173	0	163

<b>Canada Call Area 7</b>				
VA7ST	152061	362	195	273
VA7AM	36406	210	8	167
VA7AQD	14592	114	0	128
VA7AD	3168	48	0	66
VE7BGP	880	22	0	40

<b>Canada Call Area 9</b>				
VE9AA	385985	493	702	323

<b>Indonesia</b>				
YB1LZ	222720	285	643	240
YB0MWM	29158	160	79	122
YE1NZ	29120	113	95	140
YB2ECG	19272	146	0	132
YB0NFL	17472	112	0	156
YB8HZ	12740	96	86	70
YB9WZJ	6072	72	20	66
YD2MDU	3834	71	0	54
YD1CSV	2970	43	12	54
YB2ERL	1972	34	0	58
YB6EI	1280	32	0	40

<b>Venezuela</b>				
YV5AAX	568183	480	1247	329

<b>Paraguay</b>				
ZP9EH	2040	34	0	60

**Multi Operator, DX**

<b>Taiwan</b>				
BV55D	28470	219	0	130

<b>Canary Islands</b>				
EF8S	3673981	1897	2482	839
EF8U	2277072	1803	1221	753

<b>United States Call Area 0</b>				
W0LSD	1390488	1051	973	687

<b>United States Call Area 3</b>				
WY3P	457061	458	665	407

<b>United States Call Area 4</b>				
AA4YL	699286	736	657	502
W4ML	268187	363	356	373

<b>United States Call Area 5</b>				
KN5S	21624	139	20	136

<b>United States Call Area 7</b>				
K7RI	120292	295	198	244

<b>United States Call Area 9</b>				
N2BJ	598752	773	613	432

<b>Brazil Call Area 2</b>				
ZV2K	2276244	1534	2045	636

<b>Brazil Call Area 8</b>				
ZW8T	482391	728	469	403

<b>Asiatic Russia Call Area 9</b>				
RW9C	1179648	746	1558	512
RF9C	724132	707	1145	391
RU9AZ	350980	510	580	322

**Station Operators**

**3Z6M:** SP6IEQ; **9A7B:** 9A1CFN; 9A2BW; 9A3ETF; 9AREM;; **AA4YL:** AA4YL K9MUG KA4PKB; **BV55D:** BM2AAV, BV2DD, BV2NT; **CT5JZX/MM:** CT5JZX; **CT9/DJ7TO:** DJ7TO; **DF5A:** DL9GMN DO4ZH DL9GTB; **DK0CWC:** DO1CTL DJ5TT; **DK0IU:** DJ4KW DK1IP DL2SWW DL9HO DG5HFS; **DK3A:** DL3LBA; **DL2SAX:** DL2SAX DL2TMW; **DL5L:** DH3KBI; **DM2DMI:** PETER; **DM3F:** DH5FS; **DM5O:** DL2JRM; **DP7D:** DF1QR DF5BM DH4FA; **DP9A:** DG1HWM, DJ6TF, DK4WA, DL1RTL, DL5YYM, DL6MHW, DL8ULF, DL9NDV, DM5JBN; **DQ4W:** DJ4MZ DK6WL DL1MAJ DL2MLU DL6RAI DL7LIN; **DR5M:** DC6RN, DG5NEW, DL1FLO, DL5NAM, DL5NEN, DO2NFS, DO5NEN; **EA1CM:** MIGUEL; **EF8S:** EA8AH (OH1RY), EA8CMX (OH2BYS); **EF8U:** EA8CNR EA8AKN EA8AXB EA8CYQ EA8NL EA8RT EA8DP EA8AGF EA8BEX; **EO3Q:** UR3QCW; **ES1O:** ES6AXS, KEIJO; **F8KKH:** F4GBW; **GI5I:** GI4DOH; **HA40QRP:** HA6NL; **HG8C:** HA8EK; **IQ2CU:** I2XLF IN3OWY; **IW3RUA/IT9:** IW3RUA; **K7RI:** K7RI W7VXS; **KN5S:** K5WW, N5YPJ; **KP2DX:** KP2BH; **LX/PA3DUU:** PA3DUU, PA3BXR, PD0ARI, PD1SAT, PD3EM, PD5LKM; **LX7I:** DF7ZS; **LZ6K:** LZ2PL; **LZ8E:** LZ2BE; **M0CFW:** JK3GAD; **N2BJ:** N2BJ, K2PAC; **OE2E:** OE2GEN; **OH8A:** OH8WW; **OH8F:** OH4JP, OH8JJ, OH8KVY; **OK1KSL:** OK1AHG OK1AHJ OK1FAK OK1IVE OK3PJ; **OK2RVM:** OK2PDU, OK2MDU, OK6AB; **OM0A:** OM0AAO; **OM3R:** OM3CFR; **OM5M:** OM0AAG, OM1ASM, OM1AJH, OM4DW; **ON7LU:** ON3LA, ON3LX, ON8OO, ON9CLJ, ON4LCR; **OO7R:** ON6OM; **OQ6A:** ON5MF; **PA8F:** PA4B, PA3GVI, PD2JAM, NL-11607, PA8F; **Pi4DX:** PA3EVY; **PP5EG:** PY5EG; **PX2T:** PY2DN; **RF9C:** RV9CBW UA9CSA; **RK3DWH:** RN3DJY, UB3DFO, UB3DFN; **SF5D:** SM0DSF; **UI9I:** R9IR; **UT0FC:** SERG; **UT3N:** UT3NK; **UT5JCE:** ONE; **UT7E:** UT4EO, UV5EOZ, UR7EU, UR5GDY, UR5EAW; **UW3U:** UT7UJ; **UW5M:** UT7MA; **UZ5U:** UT4UO; **VE6AO:** VE6TC; **W0LSD:** W0LSD W0BV; **W4ML:** K14UDF W4MYA; **W6CWM:** JIM; **W7RN:** WK6I; **WY3P:** N3MK N3VOP; **YL1HT:** YL2QS, YL3FW; **YL9T:** YL2TW; **YO4KAK:** YO4AH YO4SCY; **YQ6A:** YO6BHN; **YT5W:** YT2PFR; **Z6/S56A:** S56A; **ZV2K:** PY2EL, PY2NY, PY2VM, PY2LED, PY2SHF; **ZW8T:** PS8HF, PS8NF, PS8BR; **ZZ2T:** PY2MNL;

**Checklogs**

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# Worked All Germany Contest (WAG) 2013

## Top Scores

Call	Score	QSOs	Points	QSOs					Multipliers					all
				80	40	20	15	10	80	40	20	15	10	
<b>Top Ten Single Operator CW Low Power Germany</b>														
DL3DTH	864806	1321	3967	404	274	308	186	149	39	47	54	45	33	218
DF1MM	844668	1502	4266	447	317	268	243	227	37	40	46	42	33	198
DF1HE	775503	1199	3897	214	221	353	234	177	34	39	49	44	33	199
DD5M	717600	1266	3900	244	373	283	244	122	34	41	44	43	22	184
DL7BY	664305	1211	3305	369	314	241	146	141	38	42	47	37	37	201
<b>Outside Germany</b>														
LY3B	382602	1054	3162	233	290	289	164	78	25	25	24	25	22	121
RT3T	339405	935	2805	113	160	170	234	254	23	24	24	25	25	121
UR7MZ	336138	927	2778	154	164	216	201	192	23	25	24	24	25	121
9A3VM	312228	882	2646	187	149	223	230	93	22	25	24	24	23	118
RU6CS	307020	860	2580	101	131	207	218	203	22	24	24	25	24	119

## Single Operator CW High Power Germany

DL5AXX	1903900	1865	6025	376	461	318	360	350	42	62	64	72	76	316
DK9PY	1622171	2121	6731	405	495	413	406	402	39	49	52	51	50	241
DJ9DZ	1356168	1794	5738	404	400	377	375	238	39	51	52	52	42	236
DL6KVA	1051947	1359	4329	245	297	353	210	254	36	46	54	53	54	243
DL5WW	969314	1423	4289	418	376	230	256	143	43	44	47	44	48	226
<b>Outside Germany</b>														
LZ8E	470844	1276	3828	231	311	302	318	114	24	25	25	25	24	123
US2YW	404796	1106	3318	236	341	309	165	55	25	25	24	25	23	122
RT3F	355929	997	2991	127	256	199	249	166	22	25	23	25	24	119
N2KW	340380	930	2790	149	198	214	192	177	22	25	25	25	25	122
RA3NC	324360	901	2703	89	157	206	219	230	23	25	24	23	25	120

## Single Operator Mixed Low Power Germany

DK0AN	1206048	1624	4434	446	538	275	190	175	44	56	67	49	56	272
DR5X	1096480	1661	4895	439	371	371	298	182	39	42	50	48	45	224
DL5XJ	996628	1351	4223	255	323	244	333	196	38	46	48	48	56	236
DL1QQ	876928	1322	4216	350	124	256	286	306	41	31	47	44	45	208
DL9ABM	789970	1348	4010	385	335	280	217	131	36	49	44	38	30	197
<b>Outside Germany</b>														
R7MM	489924	1317	3951	160	255	253	282	367	24	25	25	25	25	124
LZ1ND	369852	1036	3108	81	252	308	349	46	23	25	25	25	21	119
RU4SO	361641	1013	3039	57	169	161	295	331	21	24	24	25	25	119
ER3CT	312228	1062	3186	63	230	371	397	1	22	25	25	25	1	98
RA3Y	308880	990	2970	154	192	286	350	8	23	25	25	25	6	104

## Single Operator Mixed High Power Germany

DK8ZB	1629054	1627	5541	264	293	244	342	484	41	55	59	55	84	294
DK0DX	1564125	1653	5375	338	385	392	229	309	46	63	61	50	71	291
DH8BQA	1334942	1857	5609	441	282	224	355	555	41	47	45	40	65	238
DF1IAQ	774180	1649	4301	409	527	396	249	68	36	41	50	40	13	180
DL5JS	750300	1224	3660	320	200	246	217	241	36	40	51	40	38	205
<b>Outside Germany</b>														
CQ3L	767250	2061	6138	121	299	403	505	733	25	25	25	25	25	125
RT7T	502884	1374	4122	96	219	298	311	450	22	25	25	25	25	122
SP9LJD	404736	1088	3264	257	263	266	142	160	25	25	25	25	24	124
LX/DF1LON	322728	904	2712	233	345	110	103	113	25	25	24	21	24	119
KC1XX	302820	980	2940	4	121	176	296	383	4	24	25	25	25	103

## Single Operator Mixed QRP Germany

DL3KVR	312732	702	2044	198	199	93	129	83	33	37	33	31	19	153
DL6AWJ	223500	732	1788	248	258	99	81	46	28	33	33	19	12	125
DL6OCH	116445	439	1109	144	105	114	48	28	20	25	33	18	9	105
DL0GER	103008	399	1073	88	109	99	49	54	18	23	28	17	10	96
DL1EFW	101304	322	938	26	141	63	65	27	13	32	34	21	8	108
<b>Outside Germany</b>														
RW4WA	277794	759	2277	62	118	186	177	216	23	25	25	25	24	122
RT4W	249780	724	2172	56	64	111	259	234	21	22	23	24	24	115
HG3M	157584	536	1608	143	151	181	51	10	24	24	24	18	8	98
F5VBT	155235	655	1965	213	195	240	7	0	25	25	23	6	0	79
RN4HAB	100719	361	1083	4	71	70	104	112	3	22	21	24	23	93

## Multi Operator Germany

DP9A	3040246	2343	8129	323	385	545	707	383	45	60	90	83	96	374
DL1A	2758712	2113	7337	348	499	508	479	279	52	72	85	87	80	376
DL0XM	2511560	2010	6788	369	395	541	468	237	47	66	86	79	92	370
DM3W	2244337	1907	6217	411	340	388	389	379	52	64	84	74	87	361
DR4A	2134002	1918	6526	297	374	422	513	312	47	59	68	69	84	327

## Outside Germany

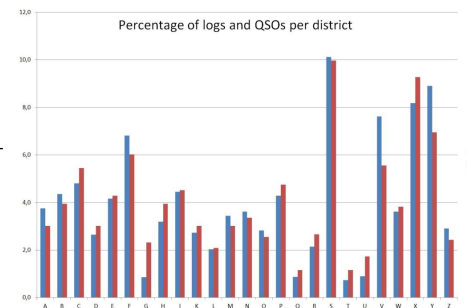
RN3F	631500	1684	5052	230	438	328	505	183	25	25	25	25	25	125
UT7E	603315	1635	4905	304	371	421	397	142	25	25	25	25	23	123
ES9C	470160	1306	3918	268	376	328	262	72	24	25	25	25	21	120
KB1H	409920	1120	3360	92	235	220	316	257	22	25	25	25	25	122
R2AB	376656	1064	3192	96	124	252	372	220	23	23	25	25	22	118

## WAG in Numbers

More than 3000 different German stations were qrv in last year's WAG. This resulted in several 100 000 QSOs with about 2800 foreign stations (counted when appearing at least with two QSOs). The 1927 submitted logs reported about 576 000 QSOs. About 1000 different DOKs were logged and of course all districts - only the rare J-multiplier (only deriving from very rare special DOKs starting with J, because DARC has no district J).

## A look at the German Activity

The DARC-districts are different in size and so is activity - but not necessarily proportional to the size of the district. The most active region in WAG was district S, the federal state of Saxony with 86 logs and nearly 33 000 QSOs in them. It was followed in QSOs numbers by Brandenburg (district Y) and in logs by Thüringen (district X). The graph below shows from where to expect the biggest activity and also that you are well advised to hunt stations with DOKs starting with Q, G, T and U from Saarland, Köln-Aachen and from the Bavarian districts Schwaben and East-Bavaria.



## Foreign Activity

We received logs from 83 DXCC-countries. 24 of them had at least ten submitting participants, with Russia taking the lead before the USA and Ukraine. Those participants who were the only one from their country generated the biggest interest of course. In 2013 one log arrived from each of the following: 4O4SM, 4U1TU, 9Z4A, BW/JH7IPR, C37AC, CE3GDR, CP1FF, CQ3L, CX2AQ, DU7HF, EK3GM, ER3CT, EX8BN, FG8NY, GI4AAM, HC2SL, HI3LFE, HK1MK, DS2CYI, HS0AC, 7Z1HL, JT1BV, KP4KE, LX/DF1LON, OA6Q, OX5T, TF3DC, UA2FL, YY4DNN. **THANK YOU!**

The new record in participation with 1927 logs (plus 22 percent compared to the recent record years of 2011 and 2012) from 83 DXCC resulted in nearly 577000 log lines to check. The favourite categories were CW LP (371 logs) and mixed LP (257), while in Germany mixed LP led with 395 to CW LP (211 logs). More than only a bit of disappointment was caused by the lower quality of logs with a higher number of initially unusable logs - be it missing serials, fantasy categories or bad formatting of all kinds. Directly crosschecking logline against logline covered 80 percent, while indirect checks of lesser depth raised the percentage to 99. Additionally we used online logs, call databases and mails.

## A First for SDR Recordings in WAG

For the first time we could use wideband recordings to improve checking quality (many thanks to Heiko, DL1RTL, for the setup and taming the 560 GB). They allowed to control whether participants stuck to the contest-free segments. We are satisfied that only a very low number of cases happened. A handful of stations suffered deduction penalties. They also received warning messages that such runs of about 15 minutes will have more serious consequences in 2014 when happening again. Despite fears of these SDR-checks simply increasing the number of "bad" QSOs, they also saved a lot of QSOs which otherwise would have been obvious cases for deletion. So some non-DL-stations will get credit for QSOs with DL-stations which could now be heard really having sent serial numbers instead of DOKs, or DL-stations retained QSOs with foreign "unique" stations sending erratic numbers like 121 shortly after the start of the contest or a DX-station suddenly handing out a 792 while sending no numbers before and afterwards. A pure electronic check would decide for either complete deletion or complete retaining of QSOs with such erratic exchanges depending on the chosen software criteria.

**Checked by DL8MBS**

Listings show: Call/DOK (only DL), QSOs, Mults, Final Score.

**Single Operator CW High Power  
Germany**

DL5AXX	X34	1865	316	1903900
DK9PY	K04	2121	241	1622171
DJ9DZ	N06	1794	236	1354168
DL6KVA	V01	1359	243	1051947
DL5WW	V22	1423	226	969314
DL0DA	CW	1541	197	921763
DL1DTL	S01	1381	208	858832
DJ2BC	V22	1314	191	750630
DM3A	Y01	1150	186	656580
DL5ZL	X08	1104	185	649720
DL8SCG	P01	1057	168	599928
DL4ME	X30	1359	167	569637
DL9GFB	V06	1040	162	524232
DL2VM	S36	978	158	514132
DL2VFR	I25	920	164	513648
DR7B	S50	1003	170	513570
DJ9RR	E03	991	173	481805
DL6UNF	Y27	914	152	432288
DJ8RS	V06	786	153	414324
DL3KUM	V04	804	168	411600
DK5XG	E22	980	142	408960
DF4XX	E38	889	161	387205
DL3DQL	S02	801	160	381280
DL5YAS	N34	855	147	378231
DQ4W	Z06	679	155	347975
DL4CF	F76	877	132	344652
DL5JQ		722	155	338210
DL2ZBO		779	141	319365
DF3VM	Q05	733	132	302412
DJ7AO	E39	786	138	302220
DF4UM	P07	663	143	282139
DK1FT	P06	701	136	272408
DL6UHA	Y27	616	121	251438
DL7UPN	C16	587	122	215574
DH8VV	B25	529	110	203390
DL7JOM	Y07	467	103	150277
DJ4KW	E34	424	104	115856
DJ5QV	F62	380	77	84546
DJ6TK	M03	337	87	82041
DL1KWK	V01	251	92	73692
DK3AX	B18	310	78	71916
DK2GZ	A36	273	68	57324
DF9LJ	M15	233	68	56644
DL1HCM	E03	236	67	52930
DL5RDO	U01	180	75	45000
DL5BUT	Y36	252	53	41128
DL9SEV	P51	214	63	39438
DL5OAB	G20	191	72	39384
DK1II	I08	224	38	29108
DJ8QA	P61	98	51	17340
DL5XL	E20	186	38	15124
DF8AA	X37	185	29	12093
DK0SU	P11	102	27	12042
DL5ASK	X29	54	21	4578

**Outside Germany**

LZ8E		1276	123	470844
US2YW		1106	122	404796
RT3F		997	119	355929
N2KW		930	122	340380
RA3NC		901	120	324360
YL7X		833	120	299520
YT4W		830	113	281370
9A3B		763	118	270102
UA1ANA		774	114	264708
SV1ENG		772	114	264024
RN6MA		757	115	261165
SP1NQN		704	117	247104
R1TEU		747	110	246510
LZ5R		635	120	228600

E1E		760	97	217377
LY2BKT		738	98	216972
HG7T		598	120	215280
OM3CWY		652	108	211248
N4AF		617	112	207312
LY2J		651	96	187488
LZ1DQ		609	96	175392
RA6AQ		593	94	166944
EA5YU		527	104	164424
RA6AN		493	108	159732
UA9OPU		463	113	156957
HB9ON		512	101	155136
UX3HA		497	100	149100
OK1NE		469	103	144921
RT4D		412	113	139668
SP2LNW		416	109	136032
HA8TP		447	101	135441
LZ1QZ		449	95	127965
9A4U		403	101	122109
RV4AB		385	104	120120
HA5OV		384	104	119808
R0AA		441	90	119070
RA1QX		432	89	115344
RZ3PX		386	93	107694
OH2KW		387	92	106812
LZ2PT		377	94	106314
LZ1YQ		364	95	103740
S52AU		338	92	93288
UA9CU		349	86	90042
SP9GR		400	75	90000
UA4L		315	95	89775
RA6CZ		304	96	87552
IK0GDG		366	78	85644
YO8SS		401	71	85413
R9XT		380	74	84360
K1BV		318	88	83952
OE3KAB		331	82	81426
SP9MZH		306	86	78948
OH2VZ		335	77	77385
UT5CY		295	81	71685
K1TN		305	78	71370
R7AC		273	84	68796
UA5C		294	76	67032
OK1FMX		316	62	58776
OM6AL		292	67	58692
US11V		244	78	57096
RJ9J		322	59	56994
EA5ARC		260	73	56940
HA8GY		296	63	55944
K8WSN		227	82	55842
OK2ABU		233	77	53823
K2SX		250	71	53250
RX9CM		246	70	51660
K6XX		227	74	50394
JA9CWJ		226	71	48138
W2LE		217	72	46872
K1GU		216	69	44091
AC7JW		186	69	38502
RT9A		209	60	37620
W1FJ		192	65	37440
S51DX		161	77	37191
W90A		200	59	35400
SP9RI		192	60	34560
OZ7EA		193	58	33582
YP5T		212	52	33072
OM4J		146	69	30222
K8MP		214	47	30174
YO3FF		152	66	30096
RL9I		182	54	29484
PY4RGS		154	57	26334
AA4CF		154	56	25872
K4DJ		167	45	22545
HS0AC		125	55	20625
RM4R		165	39	19305
PA0LOU		116	51	17748
OH2BN		226	25	16950

ZM2B		122	46	16836
VO1MP		95	59	16815
K3KO		94	55	15510
PA5TT		100	50	15000
W7VJ		125	39	14625
LA7GIA		126	37	13986
K2MK		98	47	13818
MW0EDX		97	43	12513
YT9M		85	42	10710
UA6AK		147	24	10440
4Z5KO		96	36	10368
N3QE		74	41	9102
UA3PC		106	22	6996
AC5K		70	33	6930
OH1F		66	34	6732
PY3AU		59	34	6018
LZ4AE		68	29	5916
K8JQ		55	35	5775
G3WPH		64	26	4992
PA5WT		55	29	4785
N5RZ		56	28	4704
IV3ZXQ		61	20	3660
OZ6KS		61	19	3477
RU9UC		30	20	1800
VK2PN		30	17	1530
KJ6MBW		25	18	1350
LZ1MC		30	14	1260
RA4I		23	17	1173
JO7KMB		25	14	1050
JH8DBJ		11	10	330
SA1A		13	8	312
JA1BIV		10	10	300
RA0AM		14	7	294
WB9JPS		10	8	240
IW3ILP		2	2	12

**Single Operator CW Low Power  
Germany**

DL3DTH	S07	1321	218	864806
DF1MM	I18	1502	198	844668
DF1HE	I38	1199	199	775503
DD5M	C01	1266	184	717600
DL7BY	D26	1211	201	664305
DK9OY	H32	1140	183	651480
DP3D		1014	191	629918
DK8NT	B27	1037	190	606670
DM2FDO	D25	1161	172	602172
DM3PKK	B14	1209	170	584290
DL1BUG	Y18	1155	174	560106
DJ0SP	N53	1104	167	554106
DL4HRM	W35	1101	171	551475
DL4FN	F35	1073	171	536427
DL9ZP	V14	1014	167	509016
DL6AG	S44	1087	159	488289
DL4AUK	X32	1071	160	486880
DL5YL	Y21	1142	153	472158
DL4UL	E01	996	161	471730
DL3AMI	X04	932	164	451984
DL1DQW	S04	979	177	448341
DF4XG	E33	1022	156	447408
DF9DM	Z38	925	154	446138
DL5MAM	C10	1069	161	444843
DL7UGN	Y22	992	161	435666
DL1DSW	S04	1006	159	430890
DJ5MO	I43	807	160	425440
DL8DWW	S04	865	167	421675
DF1LX	M15	867	167	416665
DK5IM	W05	985	145	400055
DJ2RG	W12	1033	145	399475
DM2C	S54	975	149	396191
DF3AX	H43	961	146	394346
DL8CKL	W13	797	151	367987
DL1EAL	R04	733	150	340050
DL9GCC	P03	735	145	319145
DL2RTJ	X36	810	142	316092





RA3ID	337	95	96045	G3ZGC	187	64	35904	UN7QCC	98	48	14112
RX3VF	360	86	92880	SB0A	228	51	34884	OK2BND	101	45	13635
UA1OOX	431	71	91803	RA9AP	174	66	34452	OM8VL	182	24	13104
OK1AY	410	74	91020	HA5CE	212	54	34344	G3VYI	97	44	12804
UN8PT	343	88	90552	4K9W	204	56	34272	RM3G	96	44	12672
OK2EC	320	92	88320	YT1FZ	183	62	34038	UR5KED	111	38	12654
SK6HD	342	86	88236	W1END	173	64	33216	LU1ICX	100	42	12600
RM6J	354	83	88146	UA4FDL	164	67	32964	FG8NY	99	42	12474
YQ5C	419	70	87990	PY4ARS	166	66	32868	PY4XX	106	39	12402
HA3OU	348	84	87696	VE1RSM	154	71	32802	SM7CIL	101	40	12120
UA3AKI	339	84	85428	G0IBN	191	57	32661	UR5VR	98	41	12054
RA6YJ	337	84	84924	R3VL	194	56	32592	LA3RK	107	37	11877
LY2CO	345	81	83835	RM7C	171	63	32319	RA3VE	116	34	11832
EA8AVK	402	69	83214	N3GJ	150	67	30150	PA0WKI	110	35	11550
OK1HFP	318	84	80136	UA9WOB	197	51	30141	SV2HWR	116	33	11484
OU2I	291	91	79443	SP6MQO	182	55	30030	LY2N	93	40	11160
IZ7KVM	289	91	78897	I6FDJ	171	58	29754	YO7ARZ	120	31	11160
UR4IZ	324	79	76788	OU3A	172	57	29412	PA3AAV	99	37	10989
UX7MA	278	92	76728	LZ49FJ	182	53	28938	GM4OSS	159	23	10971
SV1BJW	361	70	75810	UA0DM	142	67	28542	IV3DYS	89	41	10947
RM7F	332	74	73704	SQ9EI	164	58	28536	PA2PCH	98	37	10878
RV3D	321	76	73188	EU6AA	144	66	28512	IK2CZQ	99	36	10692
LA2HFA	321	74	71262	VA3ATT	137	69	28359	OZ6TL	87	39	10179
EA8OM	248	95	70680	RV9YK	169	55	27885	IK8TEO	147	23	10143
UA6HFI	257	89	68619	W8IQ	144	63	27216	YO2MJI	84	39	9828
YO4SI	261	87	68121	LA3CC	147	60	26460	OM3BA	99	33	9801
UR5KJK	339	66	67122	WA1LWS	139	63	26271	G2HDR	96	34	9792
F5OZC	320	69	66240	PA0DIN	139	63	26271	UA3DCE	74	44	9768
UT3UZ	269	82	66174	N9CK	137	63	25893	PA3DBS	93	35	9765
RN9RF	326	67	65526	UR4LIN	137	63	25893	HG5DX	95	34	9690
9A2WJ	297	71	63261	OK2KFK	127	67	25527	US7MM	81	39	9477
OK2PTS	304	69	62928	UT7MD	146	58	25404	IK2WXQ	83	38	9462
UT4UP	305	68	62220	EA6ZS	155	54	25110	EA8CN	130	24	9360
SI5Y	278	73	60882	GM0ELP	135	62	25110	US9IGA	75	41	9225
RA3YZ	258	78	60372	R7MT	134	60	24120	UB3DAO	74	41	9102
RO3D	259	77	59829	WA1Z	132	61	23973	PY4HO	93	33	9009
UU2J	239	83	59511	F5PBM	155	51	23715	OK2SGY	93	32	8928
EA8DA	248	79	58776	YO6UO	189	41	23247	SD6M	87	34	8874
PG7V	268	73	58692	SM0Y	145	53	23055	N2UU	64	44	8448
YO4TL	253	77	58443	N3GD	115	63	21735	OK5SA	128	22	8448
RA4WA	258	75	58050	SV2FWV	127	57	21717	RU9CI	89	31	8277
EA5CP	320	60	57600	UA9OQM	140	50	21000	I6MAT	81	34	8262
RW6MBC	281	66	55638	YE2W	136	51	20808	UX1CL	102	27	8262
4Z5TK	232	79	54984	UX1CW	135	51	20655	PA0RBA	85	32	8160
N3KR	226	81	54918	OM2TB	131	52	20436	F5SGI	80	33	7920
PA2REH	246	73	53874	ON3ND	162	42	20412	SM6EWB	75	34	7650
UT5IZ	211	84	53172	R4NX	147	46	20286	PA3HCC	70	35	7350
US7IY	229	76	52212	VE3QM	124	54	20088	N2SO	64	38	7296
OM7SR	227	75	51075	OM8LM	148	45	19980	HB9QA	60	40	7200
K5LH	210	81	51030	EA6/DL3HQN	121	55	19965	9A4QV	103	23	7107
RV6ASU	264	64	50688	LZ1BP	146	45	19710	PA0WLB	102	23	7038
US1VB	257	65	50115	OK1CZ	110	56	18480	LA6IHA	60	39	7020
UN7CN	217	75	48825	PA2GRU	128	48	18432	VE3FJ	70	33	6930
UA1ODM	203	80	48720	PA2W	150	40	18000	IT9CHU	76	30	6840
UA9AU	272	57	46512	UY7IS	108	54	17496	SP6BAA	69	33	6831
IZ8RSO	236	65	46020	UN7FW	117	49	17199	RK9O	69	33	6831
SF5X	233	65	45435	9A2BW	125	45	16875	UX7QD	103	22	6798
4Z4BS	207	72	44712	LA7SI	123	45	16605	OK1ITK	74	30	6660
LA6DW	222	67	44622	VE2KOT	97	56	16296	8S6A	104	21	6552
OM8FF	291	51	44523	UI8CM	104	52	16224	K4LTA	59	37	6549
UX5UU	210	69	43470	9A3R	131	41	16113	OK1AOU	99	22	6534
F8AEE	302	48	43056	YO4FZX	99	54	16038	OE3MWS	89	24	6408
RA6FUZ	203	70	42630	SP9DUX	90	58	15660	R6MW	71	30	6390
YM3KB	193	73	42267	LW3EX	115	45	15525	G3VQO	75	28	6300
S57NL	218	63	41202	UY2ZZ	115	45	15525	IK2NUX	55	38	6270
UA0W	218	63	41202	RT1A	119	43	15351	G3YJQ	99	20	5940
UU7JD	216	63	40824	RA4DB	101	50	15150	GM0OAA	79	25	5925
IN3QBR	172	79	40764	K8BTU	112	45	15120	OH2LNH	94	21	5922
OK1FCA	280	48	40320	SP2GOW	124	40	14880	NM5M	59	32	5664
SN7F	210	64	40320	Z320G	133	37	14763	OK1JOC	84	22	5544
UX1IB	210	64	40320	YO3GNF	121	40	14520	RA0LQ/MM	60	30	5400
IZ2GRG	171	78	40014	EI3KI	193	25	14475	EX8BN	49	36	5292
YO6FGZ	188	70	39480	RT3N	107	45	14445	RA4ZA	60	29	5220
SP2DKI	244	53	38796	PA3AQL	123	39	14391	E7RS	82	21	5166
OH5TS	174	72	37584	LZ5XQ	137	35	14385	KD8SAV	56	30	5040
RA9MX	168	73	36792	SP3DOF	128	37	14208	PA0FAW	74	22	4884



OG6N	716	120	257760	PA1H	98	56	16464	DJ7YT	M11	405	119	159579	
RT4RO	833	97	242403	AK4QR	89	61	16287	DL8AAV	H20	465	130	157170	
SP1RKT	548	117	192348	VK4QH	119	42	14994	DJ9SN	C01	480	103	154088	
SM5ALJ	670	89	178890	YT2ISM	195	25	14625	DL5CK	W10	406	122	146644	
UT1QQ	493	110	162690	S52WW	100	44	13200	DL5DTG	S07	677	104	145288	
SE2I	571	90	154170	OK2BEN	105	41	12915	DO7DU	X38	596	108	136512	
UT3QD	470	108	152280	JT1BV	109	39	12753	DL9ECA	L06	421	116	132124	
LZ1QN	598	80	143520	IZ3GNG	96	44	12672	DL2ROA	Z94	523	108	126252	
VE9HF	617	77	142527	RN3BO	159	24	11448	DG5MLA	T08	457	106	121582	
N4NO	405	102	123930	IT9RBW	107	35	11235	DL4SUN	V15	462	105	118860	
SV1JG	388	105	122220	AB1QP	74	46	10212	DL0GEO	L03	551	99	115335	
RA0AY	549	74	121878	E78DX	107	31	9951	DG1IU	A36	971	72	113328	
UA9CTT	462	88	121704	OH2PQ	132	24	9504	DL5MAR	R14	393	114	112974	
K1ZZ	359	105	113085	PA3DAT	85	36	9180	DL2ANM	X40	437	106	111618	
R2MA	448	83	111552	OK1KZ	83	33	8217	DL3MVC	G04	375	103	107429	
IZ4ZB	335	107	107535	W0VX	67	40	8040	DL4MHA	C06	301	106	106954	
OM4KK	476	75	107100	IZ3SQW	75	33	7425	DM2BR	W24	415	104	106808	
RM2U	340	105	107100	LY3CY	78	30	7020	DL6BQE	Z86	330	98	101920	
EA5/DJ4UF	427	81	103761	G8JYV	63	32	6048	DC2VE	Q05	378	116	99760	
EC1KR	435	77	100485	AC8G	56	34	5712	DD4BY	I29	426	106	99640	
AJ4YX	361	92	99636	UA6YW	85	22	5610	DL2AWA	X10	380	98	99372	
OH4BNP	403	74	89466	LY4BF	88	20	5280	DL2DQL	S02	386	103	95790	
PY5QW	363	75	81675	PP5JAK	39	25	2925	DL9OBY	H27	350	98	93296	
OR3A	390	68	79560	PA3ELQ	51	19	2907	DD2VO	Q04	398	93	90768	
LZ1GE	301	85	76755	LZ2013PA	40	21	2520	DF1HPK	M30	380	103	90434	
RT2A	380	67	76380	PY5DC	40	19	2280	DL4VAI	Z19	333	104	85384	
OZ2PBS	270	94	76140	EA7HGX	35	18	1890	DL1AYU	X23	304	108	84240	
N2ED	357	70	74970	W1MSN	27	19	1539	DL9WO	F11	437	100	81500	
SE5E	368	67	73968	VE3CX	27	17	1377	DD5AJ	G25	267	100	75900	
SM6E	349	70	73290	RM2D	26	16	1248	DL8SUB/P	V14	303	84	74172	
R9AE	298	80	71520	OH8FBD	30	13	1170	DL3UX	O16	243	93	72075	
K3NM	312	74	69264	VE9PLS	21	17	1071	DL1MAJ	C25	294	82	71176	
UA6YN	396	57	67716	JA9CCG	23	15	1035	DL3WKG	W37	259	92	69828	
G3NYY	299	75	67275	K3SV	16	11	528	DM3XD	Y09	351	88	69432	
EA3EZD	391	54	63342	JG1WCT	5	5	75	DJ2XC	V22	216	97	69258	
HA3FUK	319	66	63162	VE3NRT	4	4	48	DL5NEB	B36	217	96	69024	
PA1NL	400	50	60000					DL4OL	H39	271	93	68355	
NK3Y	240	83	59760					DL1JJK	S56	312	89	64614	
KU7T	247	80	59280					DC2CB	N29	306	90	63360	
UA4HTT	402	49	59094					DL4AND	D11	262	85	62560	
OK1IE	251	77	57981					DK5EQ	O27	224	91	62426	
K4BAI	253	75	56925	DK0AN	B02	1624	272	1206048	DL8BEH	I12	272	89	60698
IV3DBT	350	53	55650	DR5X	M11	1661	224	1096480	DJ9JY	L30	346	79	57512
ON1DX	369	50	55350	DL5XJ	M30	1351	236	996628	DL1HRM	W18	195	86	55126
MM0DXH	253	69	52371	DL1QQ	Z78	1322	208	876928	DL2KWA	V06	345	80	54800
K5ZD	237	72	51192	DL9ABM	H07	1348	197	789970	DO1AYJ	X22	320	64	54656
US3LX	231	71	49203	DM3ZF	Y28	1143	198	655182	DH6YMC	N41	229	76	53884
OE6U	244	65	47580	DF2SD	L06	1034	203	600474	DJ2SEA	G01	240	82	53792
RW1CW	224	66	44352	DL2LRT	S36	1057	184	588248	DK9VA	Q11	275	90	53730
SP9QMP	194	76	44232	DJ3CQP	C06	1221	165	573375	DL1EHG	R22	203	94	53674
W4PV	230	63	43470	DL1NEO	B36	1151	181	555489	DL7USW/P	D26	237	80	52560
RA3OA	206	70	43260	DL4JU	R09	1083	173	520211	DL6FBR	F16	246	88	52272
E77R	185	71	39405	DF8XC	N01	893	193	510871	DL7ANC	V06	549	60	51300
U1BD	197	63	37233	DL7UMK	Y07	978	181	482546	DM2GM	A20	231	85	51085
HB9ELV	174	70	36540	DL5DXS	S04	1106	159	463326	DG6OAG	H62	238	85	50830
W4BQF	203	58	35322	DL1DAW	O47	914	172	461992	DK4WO	Z14	396	71	49700
K1JB	161	71	34293	DK5DQ	O32	1041	158	422334	DM2CEH	X07	231	80	49680
RA9JBA	210	53	33390	DL5L	X23	1020	181	403992	DR2C	E28	222	68	48960
K11U	160	66	31680	DJ7WW	M11	604	170	360060	DL5OBY	S41	202	77	48818
EA5OV	191	54	30780	DL3HWM	W21	733	158	352814	DH4PSG	N20	213	86	48762
NF8J	167	61	30561	DK2DQ	O02	918	127	317246	DO7OM	I18	300	66	48708
SM4DQE	169	60	30420	DA3T	S22	966	130	306020	DJ4MH	I38	351	73	48253
YO9WF	177	55	29205	DH8WE	X23	827	152	303848	DK5DC	DVO	221	79	47953
LY4T	155	62	28830	DL6KWN	V07	776	140	297080	DJ5LY	M12	203	79	47321
9A283XV	207	44	27324	DL7ARV	Y10	786	148	293040	DL1ARD	X23	222	65	47190
VE3TA	183	45	24705	DL6MHW	W37	588	152	290320	DL4JWU	S54	289	78	45786
ES2IPA	127	63	24003	DL5ANS	X23	640	154	270424	DR6R	U20	263	73	45479
R3DL	127	60	22860	DL1NKS	B24	911	139	270077	DJ7MH	D23	263	78	45474
UR4LBL	187	40	22440	DJ2AX	X20	798	139	264656	DL2ALY	V18	409	64	44608
W6AFA	148	49	21756	DL1MHJ	C12	638	167	246826	DA0SL	X14	238	77	42966
RX6AM	180	38	20520	DM4MN	R03	675	127	220599	DL0LU	80LU	202	81	42768
R9QQ	122	55	20130	DF2AJ	P51	588	138	207828	DL1KRT	F39	261	76	42332
SM6V	160	41	19680	DL7UXG	D21	660	123	194586	DL1VO	K30	223	76	41572
HA7PL	139	46	19182	DL9SUB	V14	668	110	184580	DK2CC	V22	225	74	41514
EW6GF	254	25	19050	DL1SMA	P36	499	93	178095	DL6OAK	H37	171	81	41391
F5NBX	134	42	16884	DL5SWB	V14	534	118	166616	DG4UF	S22	202	77	41118
				DB7MA	M11	457	119	163387					

**Single Operator Mixed Low Power  
Germany**

DJ9BM	G55	175	76	40508	DL1BRU	P49	194	51	18972	DB1HGV	H05	59	42	7602
DO2DTH	Y26	247	49	40033	DM4NF	Y43	119	51	18819	DL8AWJ	X24	68	32	7552
DL1ASF	X26	321	68	39644	DL1DTF	S27	132	47	18518	DO8TB	N18	73	31	7285
DD7NT	S06	190	65	37830	DL8MEF	C12	103	56	18200	DO6KF	U24	96	28	7280
DL0ABK	X29	490	49	37534	DJ4PK	P02	102	55	18150	DL4NL	C18	57	42	7266
DB8AH	L06	186	77	36652	DO3MBK	M30	166	45	18000	DF6JF	L16	65	40	7080
DL7VRG	D21	186	70	36260	DO9PL	R24	261	37	17797	DL3RNZ	Y12	124	33	6996
DF1MC	D13	202	72	36144	DO1CS	S49	156	43	17372	DH1RJ	S04	55	35	6965
DL4BBH	I25	188	77	35420	DL9TX	K11	107	57	17157	DL4MAK	T18	91	32	6880
DL5AWE	X11	191	72	35208	DG3MR	T09	141	53	16907	DL0XR	XRAY	88	36	6840
DL6ME	D27	192	71	35074	DH2PAF	F11	123	54	16902	DO3MXK	Y06	122	28	6384
DM1VA		163	72	34056	DK9BW	I38	119	44	16676	DK6QW	L03	95	34	6290
DD2PI	K40	160	72	33984	DD1OP	H04	136	52	16432	DO8MFS	E15	95	27	6183
DD9NT	F06	211	68	33116	DL5MHR	T17	103	49	16415	DL0WA	N21	87	32	5920
DL6UMF	Y25	201	68	33116	DL9GND	V11	129	58	16066	DO1HE	N01	147	25	5825
DG6SYL	V20	205	66	32538	DL8ZAJ	F09	119	50	15750	DO9MJ	H15	82	21	5754
DL9LF	M10	137	70	31570	DO4DEB	I18	132	42	15540	DO4MM	I13	71	25	5725
DB1RLE	P50	162	69	31188	DL1HWH	W19	106	44	15488	DO7WM	X11	68	28	5656
DL8FCK	F49	164	71	30956	DL2DTJ	S13	149	44	15268	DD5MA	G17	82	29	5452
DJ6OL	H55	214	63	30870	DL8UAA	Y43	151	48	15120	DL1HLK	W30	76	34	5440
DL60BADEN	60DA	372	52	30576	DK1AUP	X05	116	48	15072	DO1JGE	T07	74	25	5350
DG8HJ	E15	177	74	30414	DO2KBM	A22	165	42	14994	DL8OAZ	H42	71	32	5280
DB1RUL	A22	170	68	30328	DL4HWM	W26	134	50	14600	DO7TW	P20	111	26	5122
DG8DP	C25	197	66	30162	DL8WRG	S42	95	51	14433	DJ7TW	P20	75	31	4991
DG9ZA	F16	155	69	30153	DL8UER	Y27	155	43	14405	DK8HE	H13	70	30	4860
DL1DQF	S28	309	53	28779	DH1VY	Q05	99	53	14257	DO1NCS	B08	58	25	4750
DL7ACN	A22	363	50	28550	DF5AN	H09	98	53	14204	DM5JF	S42	69	28	4676
DD5RS	S04	168	62	28520	DJ8BP	F13	128	50	13800	DO1DR	R15	49	27	4455
DH7FA	Y07	146	68	28424	DL1KJB	A17	95	51	13617	DC4RU	U08	53	27	4401
DM2EV	X11	173	68	28084	DF5EM	L05	87	50	13550	DO1MHZ	B37	77	24	4344
DL1VJL	S01	146	60	28080	DM1JH	S53	116	50	13500	DM4VPF	A17	46	31	4154
DB1VQ	Q13	147	64	27584	DO8ABS	B24	179	36	13284	DG7DBR	O01	116	23	4140
DK4DS	O10	266	54	27540	DJ4WM	H40	141	43	13115	DH5NBK	B38	47	26	4134
DG1LS	M13	193	64	27072	DL2MIH	C18	93	45	12825	DB1WT	R01	55	31	4123
DL2DUA	S02	169	61	27023	DJ1NI	I12	99	47	12455	DJ3JO	K36	41	25	4075
DL6BS	E02	133	66	26994	DL1JL	A22	99	43	12083	DL1HTY	X40	55	28	4004
DL2RZG	W36	159	61	26535	DO3PKE	Y25	133	38	11970	DJ2GMS	P20	57	28	3724
DD3D	F73	146	61	26230	DL9ZE	F45	108	42	11592	DL8ZU	F32	56	26	3588
DL7UMA/P	D17	153	63	25011	DN0UKW	R24	142	36	11592	DG2BHB		58	20	3560
DL9HB	E30	102	72	24912	DM5CT	X10	70	47	11374	DL8AX	R11	44	26	3484
DM4KM	W01	196	50	24900	DL3APK	Z90	135	46	11270	DF6YC	N04	46	26	3432
DL9ZWG	W37	196	56	24864	DH5WB	X30	84	40	11200	DK7LV	I25	42	26	3380
DG3IS	O36	182	62	24676	DL8UUG	Y30	89	41	11111	DG5AAP	I15	46	26	3276
DH8LAW	M09	162	58	24476	DL7UGO	D26	74	42	11004	DO9MHG	I21	96	19	3116
DL6BLD	C15	139	59	24367	DL2TOS	C03	104	44	10912	DK2CB	Y26	43	23	3105
DL3RAR	U14	121	51	23919	DL4EDC	L16	83	39	10725	DO9SM	P24	74	19	3040
DG0AM	X23	155	65	23855	DL6TA	B14	101	42	10416	DL2HSX	W17	46	23	2990
DK3RW	F07	122	61	23790	DG6DCB		65	46	10350	DL0AT	E13	61	24	2952
DK4EF	F68	136	58	23780	DL1MFZ	C06	105	37	10323	DO2ART	G20	43	19	2831
DL7FUA/P	D17	154	58	23664	DL3ZAT	N61	79	45	10305	DJ1TT	S48	52	24	2688
DL4MFR	C05	178	56	23296	DK8PX	K07	86	40	10240	DL3KJS	F38	42	24	2640
DO8ER	H05	185	48	23184	DK6RF	U20	73	38	10222	DF2KD	G22	67	20	2620
DD7BW	I43	176	61	23058	DL5TW	X31	75	43	10105	DF1CU	T13	61	22	2530
DF1ASG	Z90	160	64	22912	DO4RAB	Z21	96	31	9982	DL1VTL	S14	37	22	2486
DO2MS	Z54	158	52	22776	DO6NI	Z90	122	33	9570	DO6TD	N07	44	18	2448
DB100AWPB	N14	201	42	22722	DL6UMR	Y28	104	37	9472	DC8WPA	K46	58	22	2376
DK6VCO	I49	159	58	22446	DK8NI	B35	84	38	9196	DO1TV	Y34	46	15	2310
DK8AP	H22	166	59	22420	DM2AJK	X32	71	42	9114	DB4MZ	C12	71	18	2142
DL7FB	G50	138	58	22388	DG0DRF	S28	75	40	9080	DH0FAB	Z05	33	21	2079
DL6MR	W19	153	52	22308	DL4EAX	R22	93	40	9080	DL8JW	G19	31	21	2037
DL5ZBS	F38	179	58	21170	DL2BUM	Y22	78	42	9072	DC9AM	E09	32	20	2000
DB9MM	B18	139	48	20976	DO5VD	M30	95	35	9065	DM4KR	W08	38	22	1980
DL2GMI	A44	127	60	20940	DG0OM	X23	57	43	8987	DC2TOM	C07	27	21	1911
DL6ATI	X14	132	51	20808	DL9HK	E33	76	37	8880	DK9IV	C11	34	17	1904
DL6RBH	U20	136	56	20608	DL1AW	X09	68	40	8800	DL9FB	W33	35	20	1860
DL6ON	Z84	155	55	20185	DL3DWD	S02	293	22	8778	DO1JWZ	Y43	37	15	1815
DH5KLI	D23	190	50	20100	DM1TB	O49	60	42	8736	DG1VR	S24	66	17	1802
DG2FDE	P51	128	57	19836	DL3AWK	X31	93	42	8694	DL3DSY	F11	31	20	1780
DL5ALW	X06	95	61	19825	DO1RTO	C30	87	30	8490	DK2MC	B26	60	17	1768
DK1TUX	B13	157	58	19546	DL3TVI	X09	64	35	8470	DL9NAI	B26	24	21	1764
DL9SUD	V14	144	40	19520	DO2VI	V22	176	28	8344	DH9KFC/P	S54	55	16	1744
DL4EBA	R29	166	59	19352	DG2MEL	C16	96	36	8064	DO8YX	N47	55	17	1683
DL7UE	D04	136	54	19332	DK0YLO	YLO	136	29	7772	DG6ITP	Y27	82	14	1680
DJ1ZU	U14	126	53	19080	DL6GCK	A01	89	39	7761	DL6MDG	C27	30	19	1672
DL8L	80LU	144	57	19038	DL8EKI	I09	63	35	7735	DL1JPF	S58	28	20	1640
DF3ZR	F54	156	53	18974	DM5ML	K32	67	32	7648	DK1LRS	E36	28	19	1596





DP6T	F49	1710	309	1747704
DL0UM	F15	1504	300	1609200
DD1A	A25	1650	251	1377488
DL0GL	L03	1744	245	1368570
DF0SX	P51	1690	244	1179984
DL1WA	X28	1644	234	1148004
DD5A	V10	1519	196	914732
DF5A	V11	1206	236	902936
DF0WH	I16	1119	231	825825
DM5R	D20	1298	217	804636
DL0LK	E03	1197	196	717556
DR5M	B26	1010	207	685584
DL0SN	O16	1188	188	677552
DQ1V	V19	1049	203	662795
DP4E	N62	1043	181	609789
DL0KD	Z59	976	203	560686
DF0DA	K34	1127	181	555489
DK0MM	F39	985	164	474124
DA0CCC	D23	899	164	432796
DH0F	B09	933	167	426351
DK0HF	N08	906	161	414736
DK0FR	A05	790	194	413996
DL0FTL	S27	787	147	292383
DL3G	B02	730	171	289674
DL0RH	E22	705	163	265853
DL0C	Y13	770	128	264192
DL0FH	F17	781	134	262774
DL0ER	L05	664	124	234360
DL0FOR	Y27	698	121	224334
DM3B	Y14	702	127	217170
DL0P	Y08	664	130	214500
DL0CW	I53	618	126	203364
DA0C	F69	539	129	191823
DL0DG	L02	536	119	158032
DL0KWH	Y07	619	113	148821
DQ0B	H03	401	113	115825
DK0XT/P	L12	470	104	93808
DM3O	M30	321	107	88917
DL0NM	U10	491	74	73038
DL0MI	N12	259	85	60095
DA1813L	1813L	337	78	56394
DF0IC	I41	243	89	55269
DL4A	P55	237	74	50616
DM4D	Y18	219	72	42120
DM5D	Y43	297	43	27993
DL5M	C25	158	42	24444
DL0GS	Q01	135	58	19082
DL0OEK	B05	143	49	15533
DR13IGS	IGS13	113	47	13395
DL0AD	G09	73	36	6372

#### Outside Germany

RN3F	1684	125	631500
UT7E	1635	123	603315
ES9C	1306	120	470160
KB1H	1120	122	409920
R2AB	1064	118	376656
SW44M	1100	114	374148
SW8YY	984	120	352080
ZW8T	540	94	152280
LZ7M	430	91	117390
RY9C	430	90	116100
RK4HYT	383	100	114900
HG6V	483	75	108675
RK9QWM	461	78	107874
OE5XTM/P	616	50	92400
EU1WW	313	84	78372
HB9FA	374	59	66198
RZ3TZZ	197	61	36051
SP2PUT	184	47	25944
UR4PWC	101	52	15756
YM3KC	100	34	10200
US2E	50	30	4500
S59T	27	18	1458
RF9C	18	15	810

#### SWL

##### Germany

DE3RHN	V22	533	106	159106
DE7VDX	D20	227	93	21111
DE2UAA	Y43	75	50	3750

##### Outside Germany

OK1-11861	517	107	153117
SP7-003-24	300	108	76464
US-Q-73	157	68	29580
ONL_4638	282	92	25944
UR1013SWL	135	63	25515
NL6904	149	25	3725
ONL737	35	14	1470
JA8-3769	7	6	42

#### Disqualification

DL8QS

#### Station Operators

**8S6A:** SM6DPF; **9A1SZ/P:** 9A1SZ; **9A3B:** 9A1AA; **9A4U:** 9A4MF; **BW/JH7IPR:** JH7IPR; **CQ3L:** DF7ZS; **DA0C:** DK8WG, DG1FX; **DA0CCC:** DC6LA, DF1QR, DH5DAX, DK5ON, DL7TNY, DK7SL, DO7FDS; **DA0SL:** DH5AO; **DA0T:** DL7AT; **DA1813L:** DH8TOM, DO7NE; **DA1BT/P:** LX1NO; **DA3T:** DL8DXL; **DB100AWPB:** DO6NIK; **DD1A:** DL3GA, DO5FM, DO1GAR, DK2GP, DL1II; **DD3D:** DK3WM; **DD5A:** DK3GG, DK3RA, DL2SWM, DL3SUG, DM5DX; **DD5M:** DJ0ZY; **DF0DA:** DL2RPS, DF9WB, DO9CHA, DK9WI; **DF0IA:** DO1RWM; **DF0IC:** DH1FY, DK4BCE; **DF0JEN:** DL2AMD; **DF0SX:** DL1CW, DL5YM; **DF0WH:** DB8WK, DL3BCU, DF4FW, DG3BEX, DF5KA, DJ5BT; **DF5A:** DL3KWF, DL6KWU, DL7FBG, DL9GMN, DL9GRE, DM2DXA; **DH0F:** DL9NDW, DD2SR, DL2GX, DL3ARM; **DJ9A:** DJ9VA; **DK0AN:** DL2RMC; **DK0BM:** DD5KG; **DK0DX:** DL9EE; **DK0FR:** DF5GZ, DF6UI, DH5WM, DK1TX, DK4KAY, DL7BC, DL8ZN, DO1AFA; **DK0HF:** DF9QO, DG9YIB, DL8QK, DL5YCI; **DK0MM:** DK4MP, DJ0AL, DL2AK, DO9GER, DL1ASA; **DK0SU:** DF7SA; **DK0XT/P:** DD4EW, DG1EHM; **DK0YLO:** DG6MBS; **DK1MM:** DK1MM, DL2CC, DL2SAX; **DL/HB9AYZ:** HB9AYZ; **DL0ABK:** DO3ALF; **DL0AD:** DO3EBL, DO7DSW, DJ5KX; **DL0AT:** DC2CC; **DL0C:** DL45L, DL6UBM, DL8UKE; **DL0CW:** DJ2ST, DK2KT; **DL0DA:** DL1VDL; **DL0DEF:** DK7MCX; **DL0DG:** DG5YHZ, DC0EO, DL1EIC, DF4ER; **DL0ER:** DJ7JC, DD5JC, DF5EM, DG7JB, DL9BBE, DJ2IO, DL1BYL, DL4MNG; **DL0FH:** DL1LXB, DK8FA, DL7FL, DL5FH, DO1FCB, DG4FCJ, DF6FR, DH2FG, DH1TZ, DL3FDI; **DL0FOR:** DL9UJF, DL6ULL; **DL0FTL:** DL2DRM, DH5ABC, DM4RWL, DL1DWR, DM4WL; **DL0GEL:** DL8DXL; **DL0GEO:** DL2YAK; **DL0GER:** DF7IS; **DL0GL:** DF9QA, DJ0RU, DK3QZ, DL2VB, DL3QQ, DM1EE; **DL0GRH:** DJ5NN; **DL0GS:** DK2MB, DL4VCV, DF8VV; **DL0JBB:** DL6YAO; **DL0KD:** DL1CWI, DL1EKC; **DL0KWH:** DM3KTO, DL7VEA, DO5DF; **DL0LK:** DL8HCO, DL2HBQ, DF3HD, DG7AK, DO4WA, DH7AS; **DL0LU:** DB9WV; **DL0MI:** DO2MWE, DE9HRM, DD4WU, DO7QR, DL7YAD, DK3RS; **DL0NM:** DB2RR, DO1NPF; **DL0OEK:** DL4NEG, DL1NES, DL8NCU; **DL0P:** DL2KMS, DH1RGS, DL1GOR, DL7JSN, DL7JBO; **DL0RH:** DG4HZ, DL7CB, DG7XO; **DL0SN:** DL9US, DJ8WK; **DL0UM:** DG4NFI, DL5ZBA, DL7FER, DL9YDH, Jonathan; **DL0WA:** DN1TDY; **DL0XM:** DK7YY, DL4WG, DL5LYM, DL5WS, DL7URH, DL8YYL, DL8WAA, DL9DRA, DM3XM; **DL0XR:** DL6LJ; **DL0YL:** DF3TE; **DL0YLN:** DL1TM; **DL1A:** DF9TS, DH7KU, DJ1YFK, DJ2QV, DK7AH; **DL1WA:** DL1WA, DL4WA; **DL2F:** DL2FDL; **DL3G:** DC3RJ, DG1NFS, DO2BMA; **DL4A:** DL4ML, DL4MP; **DL5L:**

**DG0OKW:** DL5M; **DJ5MN,** DO6PS; **DL60BADEN:** DL7ACN; **DL7FUA/P:** DL7FUA; **DL8L:** DK4US; **DM0B:** DF2IY, DK6XZ, DK9IP, DL3YM; **DM2C:** DM5LS; **DM2DLG/P:** DM2DLG/p; **DM3A:** DL1RNT; **DM3B:** DL1BWU, DL2RD, DL3BWG, DL3JHK, DL7UDL, DL7UEB, DL7VAF, DM2DME; **DM3F:** DH5FS; **DM3O:** DK4LL, DC7EJT; **DM3W:** DK3WW, DL5CW, DL7AU, DL7VEE; **DM4D:** DL6CT, DH1BUZ; **DM5D:** DO2AMS et al.; **DM5R:** DL7BMG, DL7KST, DL7UVO, DL7UZO, DL7VDC, DL7VDX, DL6FKK; **DN0UKW:** DO9PL; **DN6MRM:** SWL Lennart; **DP3D:** DK3KD; **DP4E:** DN2KW, DK9KW, DL4YR; **DP5K:** DL2FCB; **DP6T:** DK6ITM, DL3FCG, DK3CW, DM6KG, DL2FCQ, DL1KHD, DL1FAA, DB6MC, DB1ZG, DJ1CW; **DP9A:** DJ6TF, DJ7TO, DK4WA, DL1RTL, DL5YYM, DL8UAT, DM6DX; **DQ0B:** DJ3JD, DL4OCE; **DQ1V:** DL1SWT, DH0BRO, DK8UL, DL4ZZ; **DQ2X:** DL2DCX; **DQ4W:** DL7LIN; **DR0W:** DJ5MW; **DR13IGS:** DF2OU, DL9HCO; **DR2C:** DJ0IF; **DR2W:** DJ2LS; **DR3R/QRP:** DL3BWG; **DR4A:** DC8SG, DC8QT, DJ9KM, DK5PD, DK9VZ, DL6WT; **DR5M:** DG2NBN; DO5NEN; DO2NFS; DO4CCC; DL1NC; DL4SW; DL5NEN; **DR5X:** DL8LAS; **DR6J:** DF5AU; **DR6R:** DL6RBO; **DR7B:** DL2JRM; **DR9P:** DL7ET; **E7RS:** E77CW; **EA5OV:** DJ6OV; **EI1E:** EI5KF; **ES9C:** ES6AXS, ES5JR, Keijo Kapp; **EU1WW:** EU1UA, EW1AMA; **F6KHM:** FIAKK; **F8KKH:** F4GBW; **HA8LWT:** HA8RT; **HB9FA:** HB9ENM, HB3YSI; **HB9ON:** HB9FBM; **HG6V:** HA6FQ, HA6VA, HA6QT, HA6IGU, HA6IHA; **HG7T:** HA7TM; **HG8C:** HA8EK; **KB1H:** K1RA, KB1H, NB1U, NR1X, W1UJ; **LX/DF1LON:** DF1LON; **LZ2013IPA:** LZ3HI; **LZ5R:** LZ4UU; **LZ7M:** LZ3FN, LZ2-005; **LZ8E:** LZ2BE; **OE6U:** OE6KME; **OH1B:** OH1BOI; **OH1F:** OH1NOA; **OK5TFC:** OK1HCC; **OK7T:** OK1FHI; **OM4J:** OM4JD; **OU2I:** OZ1BI; **OU3A:** OZ1UJ; **R2AB:** R2AB, UA3ADN; **R3OR:** RV3QR; **RA4LBS/3:** RA4LBS; **RF9C:** RV9CBW, UA9CIR; **RK4HYT:** SERGEY BAKHAEV, KIRILL KUVSHINOV, KIRILL UMAROV; **RK9QWM:** RW9QU, RW9QM; **RM2D:** SM6LRR; **RN3F:** RA3AV, RK3AW, RK3FM, RW3F, RX3F, RZ9SZ; **RT3F:** RV3FW; **RT4D:** R7CK; **RT7T:** RM6F; **RY9C:** UA9CDC, UA8DX; **S59T:** S58WW, S59V; **SA1A:** SM1TDE; **SA7J:** SM7XGG; **SB0A:** SM0LPO; **SD6M:** SA6BGR; **SE2I:** SA2BRN; **SE5E:** SM5AJV; **SE6N:** SA6AXR; **SF5X:** SM5EFX; **S15Y:** SM5BKK; **SK6HD:** SM6FKF; **SM0Y:** SM0OY; **SM5S:** SM5SIC; **SM6E:** SM6FUD; **SN7F:** SP7LFT; **SP2PUT:** SQ2KLU, UU3JU; **SP3PWL:** SQ3JPV; **SP7VTQ:** sp7vtq; **SV8/DK3SJ:** DK3SJ; **SW44M:** DK1TR, DK2PZ, DL1MWG; **SW8YY:** DL1AOB, DL1AWD, DL3JJ, DL5SE, DL6JF, DK8YY, DM5JBN; **UR4PWC:** Okhmanyuk Valeriy, Kirov Anatoliy, Tymoshchuk Alona; **US2E:** UT4UE, UT5EW; **UT7E:** RA1ZT, UT4EO, UR5EFJ, UR3EZ, UW5EGC, UV5EOZ, UR5EAW, UT5EL; **UX7U:** UX7UA; **V3A:** V31MA; **YE2W:** YB2BG; **YL7X:** YL2LY; **YM3KB:** TA3DJ; **YM3KC:** TA3EL, TA3AWS, TA2AMG; **YP5T:** YO5CBX; **YQ5C:** YO5PHU; **YT4B:** YT5M; **ZW8T:** PS8HF, PS8NF, PS8BR;

#### Checklogs

Many thanks to the following stations submitting checklogs: 9A7IUP, AJ4DT, CX2AQ, DF3TE, DJ2YA, DJ3TD, DK0TU (DL7BST), DK2VM, DK3GI, DL1DXF, DL2BIS, DL2HWX, DL2RUM, DL2SWW, DL3NSM, DL5NO, DL5YYM, DL6ATM, DL6DCD, DL6UOF, DL8MBS, DL9DRA, DN2VHF, DR2Q (DL8MBS), E74X, F5PLC, GW0BBO, HB9CPS, HC2SL, HG2A, I2CZQ, IT9RZU, IZ3ETU, LA7GNA, LZ1MDU, LZ7O (LZ1ONK), N4BP, NR8U, OK7RJ, OP1A (ON6UQ), PY7OJ, R9AM, RA9DZ, SM5CSE, SP4GL, SP5BMM, SP9GFI, SQ5M, SQ9E, SV1JGX, UA1ATD, UR3LM, US11W, UT3XA, VE9GFD, VE9ML (VE9ML, VE9BK), W2WC, YT5N.



# Worked All Germany Contest

The Deutscher Amateur-Radio-Club (DARC) has the honour to invite amateurs all over the world to participate in the annual Worked All Germany Contest.

Effective of May 2014 are the General Contest Rules of the DARC Committee DX and HF Contesting (English version forthcoming on the website)

## 1. Contest Periods:

October, third full weekend,  
1500 UTC Saturday to 1459 UTC Sunday  
2014: October 18/19

## 2. Modes and bands:

SSB, CW: 3,5 – 7 – 14 – 21 – 28 MHz  
To reduce interference with the participants of JOTA contest operation is **not allowed** in the following contest-free sections:  
80m: CW - 3560 – 3800 kHz, SSB - 3650 – 3700 kHz  
40m: CW - 7040 – 7200 kHz, SSB - 7080 – 7140 kHz  
20m: CW - 14060 – 14350 kHz, SSB - 14100 – 14125 kHz  
and 14280 – 14350 kHz  
15m: SSB - 21350 – 21450 kHz  
10m: SSB - 28225 – 28400 kHz

## 3. Categories:

Single operator, CW, low power  
Single operator, CW, high power  
Single operator, mixed, low power  
Single operator, mixed, high power  
Single operator, mixed, QRP  
Multi operator  
SWL, single operator

Output power: QRP = up to 5 watts, low power = up to 100 watts, high power = more than 100 watts

For Multi operator Band changes are allowed every ten minutes; Exception: working of new multiplier (other transmitters may be used in parallel to the main station to work multipliers on other bands, this means, several signals may be on the air on different bands at the same time).

Notes:

- Transmitters, receivers and antennas used in the contest must be located within a 2 km diameter circle
- DX cluster support is allowed for all categories
- Only one signal permitted at any time (exception: multi operator for working new multipliers)

## 4. Exchange:

A contest QSO can only be established between non-German and German stations and also between German stations. Non-German stations give the usual RS/RST + serial number. German stations give RS/RST + DOK (local area code).

Single operator participants from Germany (inhabitants and visitors, irrespective of the used callsign), who are not member of the DARC will send

“NM” (non member) and will be no multiplier. A station may be worked once per band per mode.

## 5. Multipliers:

The multiplier for Non-German stations is determined by the number of German districts worked on each band regardless of mode. The German district is indicated by the first letter of the DOK. From special DOKs (two or more letter/figure or figure/letter combinations) only the first letter counts. Thus a maximum of 26 multipliers per band is possible (letters A..Z). German stations use the current DXCC-entity-/WAE-country-list. Each entity/country counts one multiplier per band regardless of mode.

## 6. Scoring:

Each complete exchange counts 3 points for non-German stations. German stations get one point for QSO with an other German station, 3 points for an European station and 5 points for a DX-station. The final score is computed by multiplying the total number of QSO points by the sum of multipliers from all bands.

## 7. Contest awards:

The 3 highscorers from Germany, irrespective of category, whose first licensing date is no older than 3 years will be awarded with a “Cup”. Certificates will be awarded to every participant as PDF-file for self-printing.

## 8. Penalties:

Discovered rule violations or unsportsmanlike behaviour will be penalized with different sanctions up to disqualification (see pt. 4 of General Rules).

## 9. Logs:

The log-file is to be submitted in the DARC-STF or in the Cabrillo format by E-Mail to the following address: wag@dxhf.darc.de. Be sure to put only the station callsign in the subject line of the message. The receipt of the log will be automatically confirmed by an email with a message of possible errors in the log and the password for the access to your UBN-file.

The logs will be part of the DCL (DARC Contest Logbook).

By submitting the log, the participant claims to fully accept the rules of the contest.

## 10. Special Regulations for SWLs:

All SWLs get one point (SSB) or three points (CW) for logging each new German station with the sent RS/RST + DOK and the call of the station working with the German station. **Any corresponding station of DL-stations can appear only once per band and mode in the log (exception: allowed again when the German station is a new multiplier; new rule from 2014 on).** The multiplier is determined by the sum of German districts (first letter of DOK – see point 5) heard on each band. Each German station may be counted once in SSB and once in CW on each band.

## 11. Deadline for log entries:

Log deadline is always **two weeks** or, more specific, the third Monday after the end of the contest.

## 12. Addresses:

for logs: wag@dxhf.darc.de  
for questions: wag-info@dxhf.darc.de