

41<sup>th</sup>Marconi Memorial Contest 144 Mhz CW – 2013

organized by ARI Bologna

## 144 Mhz CW

## Single Operator Ranking

CL	Callsign	Locator	H	Antenna	Power	Qso	Declared	ODX	DX	QRB	Error QSO	Error QRB	Final Score	Error %
1	DK1KC/P	JN58QH	510	67 EI	500	391	139529	OM3KDX	806	139303	9	5228	134075	3,75%
2	S57Q	JN76PB	948	2x15, 2x16, 6x3, 4x4	1200	364	134414	LZ7J	879	134180	28	14156	120024	10,55%
3	OK2PVF	JN99JQ	955	104el yagi	800	335	121378	IK5ZWU/6	830	121755	4	3807	117948	3,13%
4	OK2EZ	JN99BS	270	2x14el.DK7ZB	1300	339	122112	IZ1ESM/1	876	121891	12	5851	116040	4,80%
5	DL2OM/P	JO61DP	120	4 x 12 EI. M²	750	391	132126	IK5ZWU/6	900	131881	35	16371	115510	12,41%
6	S57M	JN76PO	963	2x9 el. F9FT	1000	302	110689	LZ7J	909	110512	7	3856	106656	3,49%
7	DK2GZ	JN49GB	265	2x 8ele I0JXX	650	308	113403	HA6W	884	113216	14	9751	103465	8,61%
8	7S7V	JO65SN	0	4x6el YU7EF	1000	193	105310	HA6W	959	105375	2	4387	100988	4,16%
9	F6HPP/P	JN19PG	206	3x9elts + 2x4elts	500	265	110170	IW4AJ/4	828	110008	18	9414	100594	8,56%
10	S51ZO	JN86DR	317	4x14el,2x16el,4x5el	1500	310	111817	DF0MU	883	111325	27	12008	99317	10,79%
11	F6DWG/P	JO10HE	184	8x4elts + 12elts + 8	400	286	119365	OL4K	922	119189	26	20113	99076	16,87%
12	OK1PGS	JN69LV	611	2x10el. PA0MS	500	309	100493	YU7ACO	827	100306	7	4622	95684	4,61%
13	OM3FW	JN88RS	587	2x12el.I0JXX,	600	301	98275	I1RJP	788	98111	5	3213	94898	3,27%
14	DL6NAA	JO50VF	695	4x10 EI. Yagi	700	286	97463	YU1LA	893	97290	13	5462	91828	5,61%
15	DK9IP	JN48GT	748	2 x 17 EI.. 2 x 11 E	750	251	95523	SP2QBQ	895	95381	3	6348	89033	6,66%
16	S57C	JN75JX	700	4X17 el. F9FT, 2X17M	1500	276	97685	LZ7J	909	97517	10	10011	87506	10,27%
17	DL9GK	JO50TI	700	2 x 9 ele Yagi DK7ZB	700	287	89946	YU1EF	864	89791	6	3823	85968	4,26%
18	DL5MAE	JN58VF	489	4x17el	700	221	88776	7S7V	825	88637	5	2838	85799	3,20%
19	E77ZM	JN84PT	10	4x11el +2x11el +2x7e	900	234	94512	DF0YY	887	94363	14	9780	84583	10,36%
20	DM0B/P	JN47QT	838	2 x 10 EI.	500	240	89484	SP9PZD	786	89346	11	6655	82691	7,45%
21	SP2QBQ	JO94BF	0	34el	500	180	93744	DF4IAO	939	93620	15	11252	82368	12,02%
22	DL6NDW	JN57OX	660	2x9 ele Tonna	700	244	85807	7S7V	859	85662	6	3687	81975	4,30%
23	DL1SBM	JN48XK	630	11 Element Yagi	300	227	81452	YU1EF	862	81310	6	3614	77696	4,44%
24	OK1FC	JN79CP	562	2xGW4CQT	500	269	80859	IK1WVQ	770	81387	11	5502	75885	6,76%
25	F5SE/P	JN19XH	215	2x17 el long boom F9	1000	187	84755	OZ6OL	881	84419	18	8979	75440	10,64%
26	HA8V	KN06HT	84	4x11el-WU, 3x6el-ZB,	500	181	75706	IZ1ESM/1	915	75588	2	2442	73146	3,23%
27	YU1LA	KN04FR	148	17 el yagi	300	165	75612	I1RJP	971	75505	4	2997	72508	3,97%
28	DK2ZF/P	JO43WJ	203	2x 9 ele Flexa	750	190	76708	HA6W	951	76584	7	4331	72253	5,66%
29	F6HJO/P	JN27FJ	500	5 X 4 él colinéaires	250	182	75606	OL3Z	788	75485	7	4733	70752	6,27%
30	DL2VL	JO60XX	135	2 x 9el F9FT	500	212	71302	IK5ZWU/6	832	71174	4	3099	68075	4,35%
31	DL3HXS	JO61BT	74	2 x 7 EI. DK7ZB	400	220	70845	F6HJO/P	739	70712	3	3631	67081	5,13%
32	IK4PMB	JN54MM	65	16JXX2	500	161	71879	HA6W	824	71770	10	4982	66788	6,94%
33	DF4IAO	JN47QT	820	2 x 10 EI.	500	175	68482	SP2QBQ	939	68381	9	2913	65468	4,26%
34	OK1FIG	JO80DH	0	14 el DL6WU	400	216	70003	TM0W	852	70016	9	5618	64398	8,02%
35	OM5AW	JN88XQ	740	7 el dk7zb	100	233	68873	IZ1ESM/1	799	68740	7	4421	64319	6,43%
36	HA7MB	KN07BM	93	12el-DK7ZB	500	182	67362	IZ1ESM/1	896	67253	4	3969	63284	5,90%
37	OK2PWR	JN89TG	340	9el.	100	210	66953	7S7V	753	66816	4	4592	62224	6,87%
38	DL2YDS	JO41FE	845	2x 4el. Flexa Yagi	50	190	67013	HA5KDQ	860	66903	1	5376	61527	8,04%
39	DL3WW	JO60FL	694	9ELE LY	500	228	66282	G4CDN	795	66146	18	5483	60663	8,29%
40	9A2YF	JN85OO	265	12 el yagi	100	187	67462	DF0YY	804	67342	8	6908	60434	10,26%
41	DL2RMC	JN59KE	525	16 Element Yagi	750	211	68562	SP2QBQ	751	68425	9	8856	59569	12,94%
42	DL8DWW	JO70HW	420	2x 7ELE DK7ZB	700	198	60854	YT4B	841	60745	0	1968	58777	3,24%
43	DK5AI	JO51GO	365	9 EI. F9FT	50	162	59625	IK5ZWU/6	907	59519	1	1745	57774	2,93%
44	DL2NBY	JN59SV	640	2x15 EI Yagis	700	221	69322	YU1LA	884	69182	12	12348	56834	17,85%
45	OM2RL	JN88NR	199	2x11el.Yagi	300	198	58356	7S7V	798	58294	5	1978	56316	3,39%
46	ON4TX	JO20DS	0	17 él Tonna	250	147	62169	OE1W	877	62074	13	6067	56007	9,77%
47	OK1WAV	JN69VN	827	2xPA0MS	500	205	63842	YU7ACO	757	63709	17	7901	55808	12,40%
48	DD2ML	JN68FF	470	9el. MSquare	750	175	60931	7S7V	819	60827	9	5309	55518	8,73%
49	DL2AKT	JO50NV	435	9 Ele Flexa Yagi	100	213	65004	IK5ZWU/6	823	64880	25	9481	55399	14,61%
50	DL1SUN	JO53PN	56	4x9el	500	140	57190	9A1CMS	861	57102	2	1718	55384	3,01%
51	ON4PS	JO20KQ	0		0	143	60324	n		60173	11	5681	54492	9,44%
52	DK8SG	JN48GT	748	2 x 17 EI. 2 x 11 EI	750	138	60882	HA6W	883	60792	9	6598	54194	10,85%
53	DL7ULM/P	JO62MS	46	9 ele Tonna	600	170	58733	TM0W	843	58638	1	5164	53474	8,81%
54	OE5NNN	JN78EB	358	13 ele	400	183	57434	UT5ST	729	57357	7	6064	51293	10,57%

55	I2XAV/1	JN44MU	500	4x 10 el	300	124	55244	OM6A	878	55163	9	3959	51204	7,18%
56	DK0AN	JN59KE	525	16 Element Yagi	750	183	59952	OM3KDX	764	59826	18	8853	50973	14,80%
57	SP6A	JO81NG	0	14 el Yagi	100	162	59156	IK5ZWU/6	924	59055	15	8184	50871	13,86%
58	DL2JRM	JO61KB	335	9ele F9FT	100	190	55710	IK5ZWU/6	835	55604	6	5243	50361	9,43%
59	HA5OO	JN97OM	150	13 El. DJ9BV	100	168	52752	IZ1ESM/1	831	52655	5	3214	49441	6,10%
60	DL1DQW	JO70HW	420	2x7-el DK7ZB	700	176	52334	YT4B	841	52231	1	3025	49206	5,79%
61	DL5YM	JO62XN	95	2*9ele	300	153	52961	9A1N	831	52871	6	4551	48320	8,61%
62	DJ9MH	JO50FA	295	14 ELE PBM	400	151	49843	HA6W	761	49759	5	2285	47474	4,59%
63	DK3YD	JN58TE	514	2 x 10el Yagi	400	154	50034	HA6W	656	49945	5	2539	47406	5,08%
64	YT7WE	KN05EJ	80	11 EL. YU7EF	100	118	47855	IZ1ESM/1	880	47773	3	1643	46130	3,44%
65	OK1TN	JO70NJ	20	12el YAGI HM	100	169	49363	IK1WVQ	875	49264	8	3192	46072	6,48%
66	F6DCD	JN38RQ	210	16jxx2	300	143	50071	OM6A	830	49990	8	3943	46047	7,89%
67	DL8UCC	JO71EQ	115	2x12el Yagi	750	92	49398	IK5ZWU/6	914	49333	1	3356	45977	6,80%
68	I3LGP	JN55VK	33	19 el. LLY	500	121	48960	YU7ACO	751	48950	5	3176	45774	6,49%
69	SP1JNY	JO73GL	112	4x17el F9FT	100	108	46567	9A2L	820	46493	2	1131	45362	2,43%
70	ON4KHG	JO10XO	117	12 el. DK7ZB	300	102	47460	OE1W	894	47395	3	2268	45127	4,79%
71	DL7ANR	JO62PM	55	2 x 13el Cushcraft	700	129	45295	TM0W	833	45218	2	546	44672	1,21%
72	OM3RM	JN88QA	128	16 el I0JXX	700	163	50959	DK0BN	730	50866	10	6497	44369	12,77%
73	DL5YWM	JO61OC	320	2x17el Yagi	600	138	50334	YT4B	907	50249	13	6290	43959	12,52%
74	UT5DV	KN18DO	112	9el DK7ZB	100	111	44190	DF0MTL	740	44119	1	496	43623	1,12%
75	DK4A	JO31FH	33	7 el yagi	0	164	50648	OE1W	757	50559	12	7272	43287	14,38%
76	OK2GD	JN79TK	560	17el.YAGI	1000	180	50680	IK5ZWU/P	695	50567	22	7286	43281	14,41%
77	I1RJP	JN45BO	600	2X16 EL	500	97	45266	YU1LA	971	45198	4	2032	43166	4,50%
78	DJ6OL	JO52AP	68	11 Ele-Yagi	200	119	43503	HA5KDQ	850	43434	2	776	42658	1,79%
79	9A4QV	JN75BB	260	7el.yagi	350	133	46366	DK0BN	717	46285	1	3885	42400	8,39%
80	OK2PSC	JN99FU	240	2x10el.DK7ZB	400	154	48394	IK5ZWU/6	832	48382	14	6154	42228	12,72%
81	DK5DQ	JO31QH	370	11 el Flexayagi	200	150	45847	OM3W	800	45772	3	4551	41221	9,94%
82	DK8RE	JO61OC	320	2x17el M^2	600	156	43841	YU1EF	842	43766	2	2623	41143	5,99%
83	OM5LD	JN98AH	205	1xGW4CQT	50	178	44153	LZ2FO	609	44036	8	2967	41069	6,74%
84	OM3CPF	JN98HL	819	10el-yagi DK7ZB	100	167	43996	IZ1ESM/1	831	43904	1	2923	40981	6,66%
85	DL5DBT	JO31TN	80	4 x 12 El. Yagi	400	129	45179	OM6A	838	45102	9	4262	40840	9,45%
86	DL3DTH	JO61UE	158	7 Ele DK7ZB	100	163	40569	IK5ZWU/6	853	40487	0	0	40487	0,00%
87	DM5WF	JO61OC	0		0	154	43738	YT4B	907	43652	4	3239	40413	7,42%
88	TM9A	JN39OC	400	4 X 5EL	200	136	42576	OM8A	798	42504	9	2172	40332	5,11%
89	DJ3XK	JO53AN	22	15el yagi	300	104	44601	OM6A	784	44536	7	4894	39642	10,99%
90	OE5RBO	JN68OB	498	4x7Ele. DK7ZB	400	130	45349	ON4TX	701	45600	16	6162	39438	13,51%
91	HA7SQ/P	JN97LW	864	13el. YAGI (DJ9BV)	800	153	44636	DK8SG	775	44560	12	5245	39315	11,77%
92	DL6UNF	JO71IW	0		100	133	42173	9A4V	794	42091	4	2893	39198	6,87%
93	S51WC	JN75PS	0	1 x 17 EL F9FT, 2 x	300	142	42026	LZ7J	864	41937	9	2903	39034	6,92%
94	DL3LA	JO51TK	185	11el Yagi	180	137	40204	HA6W	737	40134	0	1290	38844	3,21%
95	DL1SUZ	JO53UN	65	2 x 12el. M2	500	83	40543	HA2R	827	40495	1	1733	38762	4,28%
96	DL1DSW	JO70HX	420	11El. Tonna	100	141	44802	IK5ZWU/6	840	44722	9	6072	38650	13,58%
97	DK6NJ	JN59WL	0		0	127	41971	9A4V	698	41898	3	3296	38602	7,87%
98	OM6TX	JN99JK	636	17elY	100	143	39735	IK5ZWU/6	810	39651	1	1445	38206	3,64%
99	S53V	JN76UH	492	14 el ECO Yagi	50	140	40677	DF0YY	689	40589	2	2436	38153	6,00%
100	DF3VM	JN39LO	480	2x 11el Yagi (DL6WU)	300	131	41442	IK5ZWU/6	796	41375	6	3324	38051	8,03%
101	SP5QAT	KO02LB	110	M2 2M5WL	400	78	40234	S57C	812	40179	4	2321	37858	5,78%
102	DL1EIP	JO31DF	70	7 Ele Yagi	200	123	38789	OE1W	763	38719	0	909	37810	2,35%
103	9A6C	JN73WS	41	2x9 dk7zb	100	100	39506	OL4A	777	39440	3	1768	37672	4,48%
104	DL2ALF	JO50IW	332	9el Flexa	100	91	39078	IK5ZWU/6	832	39021	3	1473	37548	3,77%
105	YU1EM	KN04FT	110	2X9el.OBLONG YU1QT	350	96	37703	DL0STO	829	37637	3	371	37266	0,99%
106	OE1ILW/3	JN77XX	1037	6el	400	140	45512	LZ7J	958	45426	26	8462	36964	18,63%
107	OM2DT	JN88RT	612	DK7ZB	50	151	39026	IZ1ESM/1	775	38925	8	2181	36744	5,60%
108	OK1HX	JO70ND	189	16 EL F9FT	50	131	36182	IK5ZWU/6	758	36105	3	284	35821	0,79%
109	DL1BUG	JO72AI	21	Flexayagi 11 Ele	100	121	35529	HB9FX	712	35459	0	0	35459	0,00%
110	RT7G	LN05WB	600	KLM16LBX	0	56	36053	RN3F	1276	36002	1	701	35301	1,95%
111	OK2HBR	JN89PP	225	8 element DK7ZB	50	129	36770	YT4B	635	36691	4	1408	35283	3,84%
112	DL4YR	JO31KS	0	Cushcraft 13 Element	80	117	34902	OK5Z	697	34836	3	209	34627	0,60%
113	E77CV	JN83VW	2030	11 ele Yagi	50	91	38602	OL7C	812	38945	7	4452	34493	11,43%
114	DJ3JO	JO30HI	550	17 el Yagi	300	110	39201	OM3W	838	39126	11	4708	34418	12,03%
115	S59ABL	JN65WP	0	15 el. Tonna	100	111	37618	OM3KDX	739	37604	8	3643	33961	9,69%
116	DL3IAS	JN49EJ	110	10 Element DK7ZB	25	109	34056	IK5ZWU/6	723	33995	2	75	33920	0,22%
117	DL9MKA	JO51SW	70	10 EL Yagi	100	102	36356	HA6W	769	36292	7	2420	33872	6,67%



181	DH1NFL	JO50VF	695	4x10 El. Yagi	0	88	27089	YU1EF	846	27039	10	3603	23436	13,33%
182	OM7AC	JN98NO	330	2x9elDK7ZB	250	102	25593	IQ3LX	616	25537	3	2272	23265	8,90%
183	PA5WT	JO22HG	8	16 EL YAGI	400	65	25743	OL4K	782	25697	5	2739	22958	10,66%
184	HA5UA	JN97ML	90	7 el DK7ZB	150	100	27545	IZ1ESM/1	827	27491	9	4622	22869	16,81%
185	DK2WU	JN58WW	500	12 El. Yagi	400	84	24831	YU7W	713	24779	7	1991	22788	8,04%
186	DL2RSF	JO61MX	45	2*7 El. Yagi	700	83	28065	TM0W	776	28020	11	5375	22645	19,18%
187	DJ2GM	JN58SC	578	9 El. YAGI	100	88	26219	HA6W	663	26169	6	3596	22573	13,74%
188	DL0SP	JO62NM	59	11 Ele Flexa	250	60	24228	9A2L	744	24186	1	1639	22547	6,78%
189	DK5WO	JO30AS	240	13 elements	500	67	23082	7S7V	730	23044	2	719	22325	3,12%
190	9A2KK	JN95LI	109	JOT-horizontal	50	74	23221	DL0STO	713	23220	1	953	22267	4,10%
191	DK9HE	JO53BI	2	10el	0	77	27187	OM6A	766	27137	9	5140	21997	18,94%
192	DL9NDA	JO50WH	533	Big-Wheel	400	103	25650	SP2QBQ	609	25592	5	3609	21983	14,10%
193	DL2ROM	JO62RI	50	8 ele ly	100	82	22704	S59ABC	659	22656	1	717	21939	3,16%
194	OM1RV	JN88NC	132	9 EL Y	50	89	23659	LZ2FO	639	23608	4	1777	21831	7,53%
195	E70A	JN94GL	208	7 ele yagi DK7ZB	50	75	24493	OL4A	777	24450	1	2623	21827	10,73%
196	OK1ZHS	JO70EC	220	5el. DK7ZB	90	85	21949	IK5ZWU/6	741	21900	0	271	21629	1,24%
197	DL5YAS	JO31WS	0		0	99	25283	OK1KCR	600	25233	12	3774	21459	14,96%
198	DL5JS	JO31JF	60	11 Element Yagi	100	87	22563	OE1W	732	22517	5	1260	21257	5,60%
199	DL5AYI	JO51FE	220	10 Element Yagi	0	70	22063	HG7F	720	22027	0	1081	20946	4,91%
200	OM5UM	JN98EO	200	DL7KM	100	97	21506	DL2CC	626	21451	1	571	20880	2,66%
201	DL4KUG	JO64PB	35	4x9 LFA	400	50	23491	HB9FX	850	23458	3	2746	20712	11,71%
202	DM4TI	JO51MD	150	12 ele Yagi	100	64	24126	HA6W	760	24085	7	3374	20711	14,01%
203	RZ6A	LN05AU	64	4â14	0	46	21164	RA3POV	913	21131	1	619	20512	2,93%
204	OM5CM	JN98DF	165	9el.F9FT	750	84	21762	IK5ZWU/6	684	21707	1	1573	20134	7,25%
205	IK3CAG	JN65CM	12	20817 (F9FT)	100	65	20808	HG6Z	641	20803	3	789	20014	3,79%
206	G0HGH/P	IO92WV	0	4 X 12 ele	400	81	25948	DK9IP	759	25721	9	5824	19897	22,64%
207	DL7YS	JO62NM	59	11 Ele Flexa	250	51	20422	HB9FX	693	20386	1	536	19850	2,63%
208	S53XX	JN76CF	930	9el.	25	78	20745	YU1LA	516	20698	0	916	19782	4,43%
209	SP3QDM	JO82EF	100	10 el DK7ZB	100	66	24885	DF4IAO	701	24849	13	5157	19692	20,75%
210	HB9AOF	JN36AD	466	19elts	300	66	21946	DF0MTL	752	21908	6	2425	19483	11,07%
211	DL1YD	JN48SS	453	9 el. YAGI	100	84	21423	F6ETI/P	641	21378	5	2085	19293	9,75%
212	DL5BCQ	JO42ES	40	2x10 Element-Yagi	100	65	20367	OE1W	740	20332	2	1045	19287	5,14%
213	OK1BMW	JO70EI	0	9 el Yagi	50	51	21676	YT4B	792	21673	5	2518	19155	11,62%
214	DL0DA	JO61WB	301	11El Tonna	80	80	22908	IK5ZWU/6	840	22866	11	3780	19086	16,53%
215	DL5YEE	JO42GF	120	2x11 Element-yagi	15	49	20346	OM6A	801	20316	3	1292	19024	6,36%
216	IZ3ETC	JN55UQ	70	9 yagi	200	51	19336	HA6W	716	19312	1	297	19015	1,54%
217	OM3YFT	JN99IF	360	Quadlong, DL6WU	300	84	20712	E77CV	593	20436	3	1553	18883	7,60%
218	9A2GA	JN75WR	135	A270-10S	50	75	19117	DR5T	617	19074	1	285	18789	1,49%
219	G4ZTR	JO01KW	50	12 ele	400	70	24843	DF0YY	797	24793	12	6035	18758	24,34%
220	DF1PU	JO40AO	550	2x 9 el Yagi	100	73	19750	F6ETI/P	690	19708	2	1077	18631	5,46%
221	OM3EE	JN88RF	125	7-el.QUAD	25	95	19105	IQ3LX	490	19067	3	516	18551	2,71%
222	DL6UEF	JO71HO	0		0	91	24244	YU7W	802	24200	15	5787	18413	23,91%
223	DL4AMM	JO51NG	6	10 El. Yagi	50	93	22840	HA5KDQ	701	22793	7	4507	18286	19,77%
224	DP4M	JO42BB	80	9-Element Yagi F9FT	150	75	22971	OM6A	821	22924	8	4639	18285	20,24%
225	DJ2NR	JO50VE	650	11ele Yagi	100	60	19074	HA6W	674	19037	1	1103	17934	5,79%
226	DL2ZA	JN59VL	0		500	76	23928	YU1EF	796	23885	13	6231	17654	26,09%
227	SP9CCA	JN99NQ	403	7 el.DK7ZB	90	70	18900	E77CV	647	18911	4	1279	17632	6,76%
228	DM1PIO	JO72BM	62	2x 7 Element Yagi	100	61	19341	S59P	673	19300	8	1797	17503	9,31%
229	E71W	JN93GT	1150	quad 10,yagi 13el.	50	57	19179	OK2I	687	19172	3	1693	17479	8,83%
230	YU1EO	KN04FR	200		0	49	18000	OL4K	755	17935	0	528	17407	2,94%
231	DJ2QV	JN58UA	611	8 ele Yagi	500	39	18028	YT4B	742	18006	0	613	17393	3,40%
232	UA3RBO	LO03NG	120	4WL	0	41	0	RM7T	938	17283	1	0	17283	0,00%
233	S54O	JN75NT	200	17el	300	68	18115	DH1NFL	551	18084	1	820	17264	4,53%
234	OM0TT	KN08XQ	104	8 El. YAGI	70	50	19121	OL3Y	673	19090	2	1873	17217	9,81%
235	DL8UPB	JO71IW	50	1*9	150	64	18227	S50C	631	18189	2	1083	17106	5,95%
236	OK1MGW	JO70WF	240	4 el.KRC	35	82	17402	DK0BN	579	17351	0	267	17084	1,54%
237	DK0SU	JN48NR	473	7ele	600	67	19713	9A1N	702	19671	2	2796	16875	14,21%
238	DJ6QK	JN49MB	245	9 el L-Yagi	750	72	21782	SP9PZD	699	21743	14	4991	16752	22,95%
239	DM2RN	JO51UM	180	9 el Yagi	100	70	17720	HA5KDQ	684	17682	4	1035	16647	5,85%
240	UR5LX	KO70WK	200	12 ve7bqh	400	49	18649	RM7T	798	18619	2	1988	16631	10,68%
241	DF8TM	JN49QH	280	2x7element stacked	200	55	19025	OM6A	685	18988	4	2391	16597	12,59%
242	DL4EAX	JO31IG	43	9 Element	50	55	17018	OK1KCR	664	16982	1	424	16558	2,50%
243	G0JJG	JO02LE	60	11 ele	300	56	17339	F6ETI/P	730	17646	3	1246	16400	7,06%

244	YU1MI	KN03QW	14	AM 1011	25	41	16404	OK5Z	735	16378	0	0	16378	0,00%
245	OM3TGE	JN98FV	675	9-el YAGI	50	77	17718	DK0BN	780	17679	3	1310	16369	7,41%
246	YO2GL	KN05PS	95	7 EL. YAGI	100	61	19708			18823	6	2479	16344	13,17%
247	DF3RL	JN59WL	437	1 x 12el	750	42	20310	IK5ZWU/6	714	20290	7	4092	16198	20,17%
248	YU1BN	KN04OO	150	16 EL. YAGI	20	46	16733	OK7O	840	16709	2	637	16072	3,81%
249	RW3WR	KO71IM	180	4x15h	0	41	0	RM7T	912	16058	2	0	16058	0,00%
250	US8ZAL	KN66AU	0		0	38	18995	RA4A	1046	18239	3	2187	16052	11,99%
251	G3MEH	IO91QS	215	2 x 9el	400	62	17640	TM0W	752	17609	7	1627	15982	9,24%
252	DF1HE	JO32WD	65	2 x 15el. Cushcraft	100	57	18008	OE5NNN	649	17978	4	2010	15968	11,18%
253	DF2GB	JN39GM	400	4x 7 ele	400	73	21876	S57C	732	21834	15	5871	15963	26,89%
254	DL1DBR	JO41BN	102	7 ele Yagi	50	52	16503	OK1KCR	576	16474	1	660	15814	4,01%
255	YU1ES	KN04GT	180	2x10 el	80	60	18344	IK5ZWU/6	653	18303	6	2498	15805	13,65%
256	DL5ALW	JO51PD	155	10El Yagi	25	36	15727	HA6W	744	15703	0	0	15703	0,00%
257	DL7VEE	JO62SM	60	8 ele	50	45	20602	9A2L	735	20567	8	5144	15423	25,01%
258	SN2DX	JO93AI	104	4x10el DK7ZB	180	50	21412	DK1FC	740	21377	11	5962	15415	27,89%
259	DK3GI	JN59LQ	0		0	54	16449	IK1WVQ	636	16418	2	1101	15317	6,71%
260	E77GS	JN84OT	158	10 el DK7ZB	120	45	18255	I1RJP	717	18228	8	3061	15167	16,79%
261	DJ8BD	JO31PL	130	BIG WHEEL	100	71	17078	OK1KIR	508	17043	5	2036	15007	11,95%
262	OK1DEK	JN79EP	470	10el	50	75	17206	YU7W	630	17161	6	2176	14985	12,68%
263	DL1OJ	JO42QI	75	9ele Yagi	500	46	15618	OM3W	706	15597	2	636	14961	4,08%
264	OK1YK	JN79GE	465	2x10 el. DK7ZB	50	60	15426	IK5ZWU/6	644	15394	2	828	14566	5,38%
265	HB9DPY	JN37RA	590	2 x 10 El Yagi	150	55	16897			17285	8	2835	14450	16,40%
266	DH1DX	JO60CP	0		0	64	16694	HG6Z	635	16657	4	2247	14410	13,49%
267	E73TTT	JN94KU	0		0	50	15262	OL4K	693	15232	1	878	14354	5,76%
268	OM7CM	JN98NR	350	F9FT 9ele.	50	66	14520	YT4B	511	14480	1	195	14285	1,35%
269	DL5OAB	JO31JD	36	3el. Yagi	0	78	17028	OL7G	600	16988	6	2735	14253	16,10%
270	DG6ISR	JO61PK	104	17 Elem. M² Yagi	250	46	14220	IK5ZWU/6	878	14198	0	0	14198	0,00%
271	DL6MVC	JO51TU	72	HB9CV	80	64	17216	TM0W	703	17183	6	3225	13958	18,77%
272	OK1DJS	JO70FB	270	4el.yagi,LPD	50	84	16076	IQ3LX	529	16031	7	2123	13908	13,24%
273	F5LGF	JN38VT	120	ANT 144	50	50	14923	OK1FIG	636	14899	1	1090	13809	7,32%
274	RA3POV	KO93CX	230	13el	0	42	0	RM7T	1049	13683	0	0	13683	0,00%
275	DM3PKK	JO50CB	258	10 Element Yagi	25	57	15019	IK5ZWU/6	745	14989	3	1409	13580	9,40%
276	DL6MHW	JO52TG	65	12-El-Yagi	100	50	15247	HA6W	784	15217	4	1640	13577	10,78%
277	S59GS	JN75OO	175	16 el.	100	48	14336	OL4K	567	14311	2	772	13539	5,39%
278	DK2BJ	JO30BS	208	9 ELE YAGI Vargarda	200	36	15150	OK1KCR	696	15124	4	1950	13174	12,89%
279	DL2AWA	JO50KU	0	DL2AWA- 2 Element	20	62	16580	HA2R	644	16542	7	3399	13143	20,55%
280	SP6TRX	JO71VQ	250	YAGA 15E	50	51	17104	YU1EF	797	17068	6	3977	13091	23,30%
281	DL3AZI	JO51MF	180	6 ELEM.	70	70	15221	HA2R	661	15180	5	2127	13053	14,01%
282	DH1VY	JN39KF	220	9Elem. Yagi Tonna	80	46	14550	IK5ZWU/6	765	14520	3	1506	13014	10,37%
283	DK1KW	JN58RE	525	3 El HB9CV	0	52	14310	HA6W	668	14278	0	1302	12976	9,12%
284	OK1MAC	JN79PQ	460	5el Yagi	40	64	14107	DK0BN	539	14076	0	1128	12948	8,01%
285	DL5MEL	JN49DC	101	7 El. DK7ZB	25	42	13502	9A2L	701	13473	1	531	12942	3,94%
286	I3TXQ	JN65CN	15	Yagi 20 elementi	100	51	14951	HA6W	936	14932	4	2041	12891	13,67%
287	RA4A	LO20QC	80	4x9	0	23	27966	US8ZAL	1048	13948	1	1080	12868	7,74%
288	DJ2DA	JO61PG	116	12 EL M^2	250	30	14212	HA6W	627	14188	1	1394	12794	9,83%
289	UY9VY	KN68DM	0	2X32JXX2	0	33	13971	RW6HP	992	13951	1	1379	12572	9,88%
290	OM0AST	KN09PH	402	10el yagi	50	48	16776	E77CV	655	16747	10	4282	12465	25,57%
291	DL8UIL	JO71CR	60	10 El. Yagi	0	71	14347	S57O	568	14311	4	1872	12439	13,08%
292	RX3AA	KO95DI	160	8x9 H/V	0	44	15500	RM7T	1195	15479	0	3060	12419	19,77%
293	RA3WDK	KO81BR	250	DL6WU 13el	0	34	12362	RM7T	875	12345	0	0	12345	0,00%
294	DH9FAV	JN49HX	123	11 ele. Flexa	60	34	13235	OM6A	740	13211	3	892	12319	6,75%
295	OK2VG	JN99CQ	255	GW4CQT	100	64	12938	E77CV	641	12907	2	627	12280	4,86%
296	DF8XC	JO41FV	98	7 EL Yagi	100	51	14470	OE1W	673	14439	4	2168	12271	15,01%
297	OE3RTB	JN88ER	186	Yagi 13 Element	100	62	14103	YU1EF	494	14076	7	1806	12270	12,83%
298	DK4EF	JN49KV	140	7-Element-Yagi	25	46	14138	IK5ZWU/6	758	14106	2	1937	12169	13,73%
299	US5EII	KN78JK	0		0	42	29384	RA4A	791	14667	1	2529	12138	17,24%
300	HB9BLF	JN37KB	769	13ELLFA	600	44	12635	OK1OPT	563	12633	1	618	12015	4,89%
301	LZ1JH	KN12PQ	500	8el. lz1oa	100	25	12791	OM6A	794	12772	1	783	11989	6,13%
302	IZ7FLS	JN81EB	350	yagi 11 el home made	400	25	14420	HA6W	844	14398	3	2452	11946	17,03%
303	DL2MEP/P	JO40GB	107	HB9CV	50	48	13141	OK5Z	544	13118	1	1193	11925	9,09%
304	UA6AES	KN95BW	0		0	34				13193	2	1482	11711	11,23%
305	DK9TF	JO31NF	285	13 ele Yagi	600	32	12132	OE1W	711	12116	2	442	11674	3,65%
306	LZ4BF	KN23HJ	0	4x12el. DK7ZB	100	23	13036	S50C	839	13022	1	1451	11571	11,14%

307	DL3AMI	JO50MX	200	7 El. Yagi	150	62	13226	TM0W	602	13189	5	1644	11545	12,46%	
308	DL2VNN	JO61QH	0		0	39	12148	9A2L	614	12127	2	635	11492	5,24%	
309	DH8BQA	JO73CE	71	10 ele DK7ZB Yagi	750	26	11676	HB9GT	750	11659	1	268	11391	2,30%	
310	DL0ZI	JO70JV	240	8 Elem.Yagi	0	58	13172	9A1N	637	13053	6	1794	11259	13,74%	
311	UZ3I	KN87XX	0	2 x 7 H	5	34	11048	ER1AU	698	13791	5	2534	11257	18,37%	
312	UR3EE	KN88DC	0	F9FT	0	45	37316	RN3F	903	18629	6	7467	11162	40,08%	
313	9A2BW	JN83GJ	20	7 el yagi	30	35	11526	HA6W	602	11502	0	511	10991	4,44%	
314	RA3FP	KO94AV	180	4 WL	0	36	0	RT7M	1136	11099	3	198	10901	1,78%	
315	DJ2IA	JO61WN	135	11-ele-Yagi	100	52	12511	DR5T	575	12484	4	1595	10889	12,78%	
316	SP6MRM	JO81KG	14	16 el. F9FT	100	49	14543	YU1EF	725	14515	11	3666	10849	25,26%	
317	OM8AND	KN08OR	247	4x 6+10 RZ9CJ	50	43	11883	S57C	572	11852	2	1026	10826	8,66%	
318	DF9EA	JN59IF	462	16 ele yagi	400	41	10790	HA5KDQ	637	10767	0	0	10767	0,00%	
319	F5LEN	JN38BO	244	9el DK7ZB	20	44	12777	IK5ZWU/6	748	12752	3	2124	10628	16,66%	
320	DF2JH	JN48OP	450	Yagi 9-Ele	15	38	11139	HA2R	654	11118	1	516	10602	4,64%	
321	RD3FD	KO95CO	150	2x12 el k1fo	0	40	10764	RW4HW	758	10743	0	184	10559	1,71%	
322	RN3QRY	KO91OH	150	Yagi 4wl	0	30	0	RM7T	745	10557	2	0	10557	0,00%	
323	RZ6DD	LN04MX	220	4x10H Yagi	0	29	11232	UV9VY	775	11215	1	775	10440	6,91%	
324	UT8LE	KN79WW	0		0	33	12434	RM7T	723	10477	1	56	10421	0,53%	
325	DL8NCG	JO50MJ	430	9 el. Yagi	50	52	12855	HA5KDQ	658	12828	3	2480	10348	19,33%	
326	OM3TZZ	JN88RJ	150	7el.DK7ZB	250	32	12813	IK5ZWU/6	658	12794	0	2584	10210	20,20%	
327	DJ9KH	JO42LW	0		0	40	12908	OE5D	619	12666	5	2502	10164	19,75%	
328	DL3AWI	JO51MF	138	9 El.	50	45	11255	9A1CMS	649	11231	2	1100	10131	9,79%	
329	OK1FEN	JO70NB	248	5 el Yagi	50	50	10959	7S7V	621	10942	4	915	10027	8,36%	
330	IV3DXW	JN65QQ	0	2x8jxx2	500	30	10348	DF0YY	721	10325	1	329	9996	3,19%	
331	DG6ME	JO51JU	242	7-Element-Yagi	50	44	10509	OM3W	595	10119	1	155	9964	1,53%	
332	UR3VIO	KN69PC	85	9el DK7ZB	100	27	7742	RM7T	804	9953	0	0	9953	0,00%	
333	SP6MQO	JO90CU	200	6 EL YAGI	100	33	11209	E77ZM	676	11192	2	1364	9828	12,19%	
334	OK1AUK	JN69RR	356	10EL PAOMS	10	54	12176	9A1N	553	12164	6	2373	9791	19,51%	
335	OK5ET	JN69QS	347	4elY	40	47	10745	HA6W	552	10715	2	982	9733	9,16%	
336	DL1AYU	JO50UJ	0		0	46	10783	HA5KDQ	616	10759	3	1153	9606	10,72%	
337	IK3MLF	JN55WJ	40	17 ELEMENTS F9FT	100	30	10235	OM6A	665	10212	1	643	9569	6,30%	
338	IK3COJ	JN65BN	20	YAGI 5 el.	20	26	10402	HA6W	692	10395	1	882	9513	8,48%	
339	DK9ZQ	JO41SB	230		10	100	58	15326	OM6A	695	15292	14	5782	9510	37,81%
340	OK6OK	JN99AO	292	5 el DK7ZB	40	54	9982	DL2OM/P	465	9955	0	454	9501	4,56%	
341	DL4VAI	JN39PJ	410	DK7ZB 144 - 8 elem	100	46	13083	G4DHF	654	13056	10	3559	9497	27,26%	
342	R3GC	KO92FO	0		0	25	0	RM7T	897	9751	1	299	9452	3,07%	
343	DJ5MW	JN47WN	922	17ele Yagi	600	38	11414	OK2PVF	697	11390	4	1986	9404	17,44%	
344	HA5NF	JN97OL	140	9el yagi	50	38	11270	DL0C	615	11246	3	1899	9347	16,89%	
345	DL2HBQ	JO53KV	30	8 Ele Yagi	150	36	11332	ON4KHG	596	11307	4	2015	9292	17,82%	
346	SP6FXF	JO70SV	0	9 el. Y	50	60	12134	7S7V	536	12097	8	2818	9279	23,30%	
347	SP2FAV	JO94MA	40	17 el Yagi F9FT	50	23	9457	OM8A	686	9441	0	201	9240	2,13%	
348	DF6MU	JN58WF	511	Hybrid Quad 11 ele	120	42	10527	PC5M	594	10504	2	1451	9053	13,81%	
349	OM5GU	JN97BX	118	12ele.LPD	50	50	10568	IQ5ZWU/6	655	10541	2	1519	9022	14,41%	
350	RW3WP	KO91BT	0	8el ra3wnd	60	33	10707	RM7T	821	10688	2	1668	9020	15,61%	
351	9A3ST	JN75BB	300	9 ELE YAGI	100	32	9658	OL7C	602	9641	1	629	9012	6,52%	
352	OK1VHF	JO70EB	324	7 el Yagi	500	44	10653	YU1LA	749	10628	5	1686	8942	15,86%	
353	LY2FN	KO14XV	80		50	24	9630	DF0YY	813	9627	2	719	8908	7,47%	
354	HB9ARF	JN36BK	1061	7 elements Flexa	80	36	9338	IK5ZWU/6	598	9314	1	440	8874	4,72%	
355	G3TCU	IO91QE	76	9 ele Tonna	400	52	9175	TM0W	706	9861	2	1053	8808	10,68%	
356	RW7A	KN95NA	0		0	26				10446	3	1644	8802	15,74%	
357	DK3RA	JO53LU	0		0	30	11082	OM3KII	727	11065	4	2304	8761	20,82%	
358	F2NY	JN23LL	2	14.éléments	80	38	13019	IW0FFK	659	12853	8	4108	8745	31,96%	
359	DF0DO	JN48VF	550	10 Element Yagi	100	32	9006	SP9PZD	737	8987	0	275	8712	3,06%	
360	F5MFI	JN07XT	113	4x7el DK7ZB + 3x(2x4	15	28	9053	DQ7A	721	9039	2	393	8646	4,35%	
361	DL2BUM	JO72GG	35	10el.-Langyagi	100	33	10631	S50C	668	10613	3	2051	8562	19,33%	
362	DK2MN	JO32MC	58	10elem. Yagi	500	33	11844	OE5RBO	629	11824	7	3273	8551	27,68%	
363	DL8GP	JN39LH	310	4x10el	500	20	10235	OK2GZ	697	10220	2	1678	8542	16,42%	
364	I4CIV	JN63FX	335	10 elem HM	200	30	13752	OL4K	783	13746	8	5204	8542	37,86%	
365	OM3ID	JN88ME	180	8el. DK7ZB	1	54	9234	YU1EF	416	9211	0	688	8523	7,47%	
366	DG3YEV	JN68NL	400	17 Ele	750	42	11237	IK5ZWU/6	549	11207	11	2746	8461	24,50%	
367	UA3RAW	LO02RR	0		0	26				8822	1	384	8438	4,35%	
368	S57NAW	JN76PA	340	9el.	25	45	8735	IZ1ESM/1	497	8717	2	301	8416	3,45%	
369	OM8AT	KN08PS	280	OK1KRC	50	27	9258	S50C	562	9240	0	857	8383	9,27%	

370	UT3LL	KO80AC	0		0	31		RM7T	730	8564	1	181	8383	2,11%
371	DC1NNN	JO50VE	550	2* 11ele	50	31	9594	9A4V	754	9576	2	1202	8374	12,55%
372	DG1VL	JO61WC	200	4 X 11	100	39	10225	OM3KDX	642	10208	3	1848	8360	18,10%
373	RA3AES	KO95DL	122	11el RA3AQ	0	34	20946	RT7G	1186	10457	2	2116	8341	20,24%
374	F5PZR	JN18NT	1100	9 EL DK7ZB	40	34	10001	OL3Y	707	9985	4	1729	8256	17,32%
375	UY7LO	KO80CB	161	12el YAGI	0	29	17378	RM7T	719	8678	0	439	8239	5,06%
376	DG1BHA	JO73CE	75	10 ele DK7ZB	750	22	9284	HB9GT	750	9271	2	1039	8232	11,21%
377	US0GB	KN67UA	60	16EL_F9FT	0	28	20678	UA3RBO	873	10322	2	2104	8218	20,38%
378	9A2SB	JN95GM	100	10 el. DL6WU	2	30	8455	OK2KKW	598	8455	1	240	8215	2,84%
379	YU1RA	KN04FP	0	9 el. YU1QT	20	19	9527	SP9PZD	673	9514	0	1364	8150	14,34%
380	EU4AG	KO13VQ	145	9el	50	18	18	OK2I	1	8120	1	1	8119	0,01%
381	DL5XL	JO43GI	14	10-Element-Yagi	50	33	8567	F6HPP/P	583	8549	1	443	8106	5,18%
382	IK2GRA	JN54NX	16	11 elementi orizz. +	80	20	9085	OL4K	719	9073	3	1115	7958	12,29%
383	DL8ZAJ	JO40KD	105	10 Ele	100	25	7963	OM3W	677	7948	0	0	7948	0,00%
384	UA3P	KO84TD	0		0	34	9240	RT7G	1055	9216	0	1346	7870	14,61%
385	S59DR	JN76EF	0	9el F9FT	50	44	8884	OM3W	507	8864	4	1011	7853	11,41%
386	DL7KMA	JO62NK	46	10-Element Yagi	50	31	8107	OM8A	608	8089	1	243	7846	3,00%
387	OK1VM	JO70AQ	190	9el Yagi	5	48	7869	HA5KDQ	499	7846	3	161	7685	2,05%
388	SP2WPY	JO94FL	0	12 elem. yagi DK7ZB	150	21	10385	OM8A	734	10370	4	2785	7585	26,86%
389	OK1ARO	JO70FA	295	4el Yagi	20	55	8624	HA6W	489	8590	0	1011	7579	11,77%
390	UW8SM	KN28IV	0		0	23	10073	9A1CMS	683	10060	4	2506	7554	24,91%
391	I2AT	JN45QN	171	Yagi 9 elem. HM	60	30	8275	OK1KKI	594	8277	3	801	7476	9,68%
392	OK4A	JO60WP	220	F9FT	100	34	7465	HA6W	557	7449	0	0	7449	0,00%
393	9A2LG	JN85WL	792	Slim Jim	10	47	8162	HA6W	348	8144	4	780	7364	9,58%
394	DK2MA	JN49JX	165	7El. Yagi	20	28	7997	OK1FIG	536	7980	3	724	7256	9,07%
395	9A4M	JN85EI	406	4x6el	100	32	7233	OL4A	619	7213	0	0	7213	0,00%
396	F0DKT	JN18JR	120	11 elements	10	37	11259	DL6NAA	672	11243	8	4092	7151	36,40%
397	US3VN	KN58SH	151	7el Yagi	50	22	7836	RZ6A	699	7826	2	697	7129	8,91%
398	DL8OAY	JO52AO	0	9 ele Yagi	100	32	8248	OE2M	577	8233	6	1113	7120	13,52%
399	DL8HCO	JO53FU	0	9-El.-DK7ZB-Yagi	300	26	8597	F6DWG/P	673	8582	4	1588	6994	18,50%
400	LA0BY	JO59IX	520	2 x 9-ele-yagi	180	11	8784	DF0MTL	982	8774	1	1877	6897	21,39%
401	DF7JC	JO31LH	145	5 el. Yagi	100	35	7563	HB9FX	485	7544	2	764	6780	10,13%
402	RW6HP	LN24BT	100	2X5WL	50	15	7245	UY9VY	994	7230	1	495	6735	6,85%
403	IK1RAC	JN34TU	0	17 elements yagi	25	20	6708	OL3Y	638	6695	0	0	6695	0,00%
404	RM5P	KO93EX	0		0	27	6297	UA6LQZ	514	7303	3	636	6667	8,71%
405	G3Z	IO82RR	52	8 ele yagi	80	33	7355	DF0MU	670	7354	2	744	6610	10,12%
406	UA4FRJ	LO13HL	0		0	23				8784	0	2199	6585	25,03%
407	IW2FZR/2	JN46WE	450	Yagi7 el x4	300	29	8303	9A1N	557	8297	6	1725	6572	20,79%
408	F6CSQ/P	JN37EX	500	9 el	25	36	9223	OK7O	542	9206	3	2662	6544	28,92%
409	UR7IM	KN88SR	0	"Z"-antenna	50	27	7226	RM7T	543	7212	2	689	6523	9,55%
410	9A4HP	JN75OG	335	9 el. Eco	50	32	6693	HA6W	506	6698	0	190	6508	2,84%
411	F8IQS	IN99RI	40	YAGI 9 élts	80	25	9620	DK2GZ	661	9604	8	3096	6508	32,24%
412	R3PG	KO84TD	0		0	29	7118	UR3EE	679	7098	2	607	6491	8,55%
413	HB9BOS	JN37TM	280	4 el Yagi	120	47	8849	DF0MA	511	8829	8	2409	6420	27,29%
414	RW4HW	LO43QM	0		0	13	7170	RT7G	1086	7149	1	746	6403	10,44%
415	F5OGJ/P	IN93XR	173	9elts Yagi (11dBd)	12	16	6320	F6DWG/P	747	6310	0	0	6310	0,00%
416	9A3NC	JN75BC	260	5 el. yagi	40	28	6666	OM6A	568	6650	0	380	6270	5,71%
417	DL3BAT	JO42MS	0		0	24	7984	HB9FX	637	7968	2	1833	6135	23,00%
418	DL4YDR	JO32RG	50	4 Elem Yagi	20	28	6947	OL3Z	551	6934	2	817	6117	11,78%
419	DK9BW	JO42BE	0	ANT: 10 EI	35	33	6339	OK7O	441	6323	0	315	6008	4,98%
420	S51VC	JN76XP	300		50	33	6727	IK1WVQ	670	6712	2	754	5958	11,23%
421	DK2YCT	JO32RG	60	11 ele Yagi	100	22	6595	OK1FIG	652	6581	2	700	5881	10,64%
422	DL4HRM	JO51XL	92	12-Element-X-Quad	100	30	6187	HB9FX	553	6176	1	364	5812	5,89%
423	DF6RI	JN59RL	0		100	32	5946	F6HPP/P	592	5925	1	118	5807	1,99%
424	OK1JDJ	JO70AQ	200	x 300	50	52	6556	HA2R	473	6532	2	755	5777	11,56%
425	SQ6ISM	JO81OC	120	11el LFA	100	23	5837	9A4V	651	5825	0	121	5704	2,08%
426	DL6FBK	JO40KA	0	11eleYagi	80	23	8337	IK5ZWU/6	771	8322	5	2643	5679	31,76%
427	F6BUL	JN35BV	550	17 elem Tonna	80	33	9152	OL7C	704	9140	5	3536	5604	38,69%
428	G4CZB/P	IO92LH	135	10 ele yagi	50	29		HB9EWY	816	6211	2	677	5534	10,90%
429	HB9CXX	JN47PM	532	13 El. Yagi	50	27	6436	OK1KKI	471	6425	2	910	5515	14,16%
430	DL6RBH	JN69EI	390	15 el. Yagi	20	22	6207	YU7W	710	6195	2	714	5481	11,53%
431	OK9ASW	JO70TE	230	4ELE YAGI	10	30	7019	DK0BN	561	7003	4	1580	5423	22,56%
432	OM1QQ	JN88OD	133	2 el OK5IM	25	42	6374	YU1EF	405	6355	5	1002	5353	15,77%

433	UA4BI	LN28GQ	40	9el	0	14	6227	UV5ERY	639	6218	1	987	5231	15,87%
434	DO6PS	JN58XH	506	F9FT 9-ele Yagi. Dia	70	24	5730	HG6Z	590	5719	0	531	5188	9,28%
435	RN6CH	LN05BU	81	6x8 el	0	22	6888	UY9VY	663	6876	3	1694	5182	24,64%
436	UA6AX	KN95LB	80	7 el UA9TC	0	13		LZ7J	1200	5182	0	0	5182	0,00%
437	DL6UAM	JO71ES	92	HB9CV	8	33	5258	DK2GZ	512	5242	0	122	5120	2,33%
438	UX7IT	KN98HC	0		0	28	8142	RW6HP	558	8117	3	3057	5060	37,66%
439	OK1ANP	JN78FX	382	10el YAGI PAOMS	50	27	6134	9A44	524	6119	2	1088	5031	17,78%
440	DF7JS	JO31JM	57	9 Elem. Yagi	250	28	7963	OK1KCR	664	7949	9	2951	4998	37,12%
441	DM4NF	JO61SL	1421	Yagi	150	31	6127	HA2R	565	6112	5	1133	4979	18,54%
442	OK1KZ	JO70ED	220	4 x J	50	48	5377	DK0BN	471	5384	0	429	4955	7,97%
443	DL1ALN	JO51ND	0		0	29	5158	SP2QBQ	583	5142	1	187	4955	3,64%
444	R6MR	LN07AU	200	LW GP DP	500	17	4946	UY9VY	580	4935	0	0	4935	0,00%
445	DL4MFM/P	JO42AH	200	4x Oblong (DK7ZB)	0	40	6040	OL3Z	518	6019	3	1097	4922	18,23%
446	F4DBD	JN08XW	136	DK7ZB 9 ELEMENTS	30	21	4914	I5MZY/4	862	4905	1	104	4801	2,12%
447	I1/F8ENY	JN44GK	1200	9 el YAGI	50	22	5259		0	5272	2	507	4765	9,62%
448	OK4MT	JO70QP	450	Yagi 9 el.	50	33	4757	DK0AN	361	4737	0	0	4737	0,00%
449	DG8NCO	JO50VH	650	6 x 9el M2	700	11	5437	9A4V	764	5430	1	764	4666	14,07%
450	9A2VX	JN75EI	150	5 el	5	29	5307	IZ1ESM/1	412	5293	1	775	4518	14,64%
451	OK2SAR	JN89LX	320	A144S10	100	29	4769	9A2L	418	4753	2	246	4507	5,18%
452	DG2HN	JO42MS	0		0	22	6986	HB9FX	637	6974	5	2472	4502	35,45%
453	F8FFI/P	JN19AH	230	DK7ZB 7ele	15	21	4912	DF0MU	482	4913	2	523	4390	10,65%
454	F6DYX	IN97OJ	52	YAGI 17 ELTS	50	13	4599	TM0W	531	4598	1	211	4387	4,59%
455	UA9FE	LO88DC	154	16i«	0	12	8760	R4HV	669	4369	0	0	4369	0,00%
456	SP9XCJ	JN99TQ	0	7 el.Yagi	100	27	6241	OE5D	496	6228	7	1868	4360	29,99%
457	YU2KU	KN04ET	70	9el f9ft	25	15	4376	I5MZY/4	726	4374	1	39	4335	0,89%
458	RL3D	KO85WV	150	10 dBd	0	20	4307	UA6LQZ	727	4299	0	0	4299	0,00%
459	RN3A	KO85NV	0		0	21	5132	UA6LQZ	741	5121	3	841	4280	16,42%
460	DL1GBQ	JN47TS	440	4-ele-Yagi	20	21	5248	IK5ZWU/6	520	5235	0	974	4261	18,61%
461	F8GGD	IN95UQ	60	9elts	120	16	5912	ON4KHG	632	5906	3	1646	4260	27,87%
462	DK1GS	JO54KH	25	5el Quad	50	13	4247	OL3Y	563	4239	0	0	4239	0,00%
463	DL4RDJ	JN58WT	0	Vertical	30	26	4561	DF0MU	489	4552	0	398	4154	8,74%
464	RA3XX	KO84CJ	0	16 el Yagi	100	19	8188	RU3T	531	4086	0	0	4086	0,00%
465	F8DHA	IN95RO	70	9 ELEMENTS TONA	100	23	7753	ON4KHG	649	7737	5	3664	4073	47,36%
466	DL6CT	JO72CF	26	6 Ele	45	24	4316	HA6W	643	4308	0	281	4027	6,52%
467	UA6AH	KN94BU	0		0	23				7076	3	3057	4019	43,20%
468	9A5AB	JN75VV	138	1 x 18 el.	150	23	4741	OK2I	482	4740	4	783	3957	16,52%
469	DL4EBW	JO31MG	180	14 Element. Parabeam	100	21	3938	OK7O	464	3927	0	0	3927	0,00%
470	M5MUF	IO92JP	100	10 el Yagi	25	16		DF0MU	580	3899	0	0	3899	0,00%
471	UT1EA	KN67QV	101	LFA,11el (3wl)	5	17	3898	UA6LQZ	558	3888	0	0	3888	0,00%
472	DL2JKE	JO62ON	35	4 El. DK7ZB	23	20	4814	OE2M	529	4803	1	924	3879	19,24%
473	DK2CB	JO71IX	60	2*9 Yagi	150	22	6633	S57O	586	6623	5	2762	3861	41,70%
474	DK3AX	JN59DV	0	9ele xy	100	17	3836	PC5M	396	3828	0	0	3828	0,00%
475	UA9FY	LO88WN	320	15 i«	0	11	3787	RW4HW	771	3778	0	0	3778	0,00%
476	DJ4KW	JO53FG	0	Yagi 7 ueber 7 Eleme	100	19	5005	F5SE/P	631	4995	3	1226	3769	24,54%
477	OK7WW	JN88NW	0	5el Y	10	28	4266	DQ7A	415	4266	1	546	3720	12,80%
478	DL1MDY/P	JN58KI	450	20 Element DX-Array	150	30	5906	OM8A	522	5891	7	2235	3656	37,94%
479	RA4FER	LO23NG	220	13EL	0	12	9674	RN3F	591	4825	0	1192	3633	24,70%
480	OK1DPV	JN79IX	395	X300	90	35	6247	DK0BN	496	6226	4	2608	3618	41,89%
481	F6HYE	JN36DG	595	16 el	35	15	4641	OE5D	567	4925	1	1314	3611	26,68%
482	RW4WE	LO66PU	215	4WL	0	12	4025	UA9CFH	518	4013	0	453	3560	11,29%
483	DK1LRS	JO53CL	55	2 x Flexa Yagi 7 El	50	11	3851	DL2CC	529	3845	1	306	3539	7,96%
484	G3VYI	IO91OF	0	9 el	50	25	3849	DF0MU	567	3847	5	322	3525	8,37%
485	RN3ZQ	KO81WH	0		0	12	3504	RT7G	756	3496	0	0	3496	0,00%
486	G4BRK	IO91HP	60	9 el DK7ZB	50	17	3682	DF0MU	597	3674	1	248	3426	6,75%
487	DL8LR	JN39NI	365	11 El. Yagi	100	21	4364	OK7O	442	4351	4	934	3417	21,47%
488	DL1EJD	JO31JG	65	7 Element Yagi	100	22	4151	TM0W	517	4142	3	741	3401	17,89%
489	DF3TE	JO30JP	0		0	10	4269	OK5Z	674	4263	2	890	3373	20,88%
490	M0BTZ	IO90GX	40	9ele F9FT in loft sp	150	23	4228	DF0MU	618	4213	2	900	3313	21,36%
491	OM3WDF	KN08WS	120	F9FT	50	18	4458	9A2L	484	3791	2	518	3273	13,66%
492	G4RYV	IO91OI	59	9ele F9FT Tonna	10	21	3891	DF0MU	563	3882	2	616	3266	15,87%
493	F8AAB	JN24IH	0	Delta Loop 8 elt	100	14	3729	DK0BN	671	3732	3	496	3236	13,29%
494	G3UVR	IO83KH	100	Dipole Rotatable	25	16	3609	ON7RY/P	592	4237	4	1006	3231	23,74%
495	SP7VVB	JO91RR	180	10el DK7ZB	50	10	3233	S50C	696	3225	0	0	3225	0,00%



496	DJ1ZU	JN68GV	0		0	21	3625	OM6A	457	3617	3	419	3198	11,58%
497	DF2IAX	JN48EV	150	15 el Yagi	50	15	4067	DK2ZF/P	512	4061	2	891	3170	21,94%
498	UT5DA	KN18DN	117	9 el F9FT	100	10	3152	OL3Z	590	3146	0	0	3146	0,00%
499	DC2IP	JN49FD	110	6el Yagi	50	16	3248	DL2OM/P	389	3237	1	97	3140	3,00%
500	OK1ANA	JO70VE	232	5 el yagi	30	27	3689	DK0BN	573	3675	4	537	3138	14,61%
501	F6HTJ	JN12KQ	70	YAGI 11 ELEMENTS F9F	50	13	4137	F6HJO/P	539	4123	3	1013	3110	24,57%
502	F5JFU	JN17WI	460	YAGI 11 éléments	150	12	3870	G4TSW	668	3862	2	775	3087	20,07%
503	R4HV	LO43RL	95		100	6	6146	RT7G	1085	3067	0	0	3067	0,00%
504	R7AM	KN95MA	0		0	17				4105	1	1044	3061	25,43%
505	RA4W	LO66PX	200	Y16	0	9	6080	UA9CFH	514	3029	0	0	3029	0,00%
506	M2A	IO92IP	0	9-ele Yagi	25	19	3883	DK4A	551	3873	0	873	3000	22,54%
507	9A2XW	JN75SM	128	LFA 9el.	100	16	2988	OL4K	575	2979	0	0	2979	0,00%
508	IZ3KMY	JN55NI	35	GP Collineare	40	23	3234	IK1WVQ	310	3231	2	268	2963	8,29%
509	DL8WIG/P	JN58VV	0	6 Element Yagi	25	19	4747	IK1WVQ	592	4740	3	1825	2915	38,50%
510	DJ6XV	JO31LQ	45	7 Ele Yagi	25	15	3201	OL7C	433	3193	1	336	2857	10,52%
511	DF0WSB	JO31FG	32	9 ele F9FT	50	28	2841	OK7O	502	2825	1	23	2802	0,81%
512	DL7LTM	JO61EI	120	LogPer	100	35	4077	DL2CC	396	4062	8	1269	2793	31,24%
513	9A4WW	JN85AO	95	4 el. yagi	100	24	3692	OK2EZ	489	3685	2	898	2787	24,37%
514	S50K	JN75CW	500	9 el. y	100	17	3626	OM6A	493	3615	1	838	2777	23,18%
515	G3WKS	JO01DD	100	5 el HB9CV	30	30	4484	DF0MU	495	4467	9	1772	2695	39,67%
516	DL6NAL	JN68CM	482	18 El Yagi	80	14	2886	OK2PVF	497	2878	1	189	2689	6,57%
517	UA4HQI	LO53CK	90	17el 4.5WL	0	6	0	RT7G	1110	2687	0	0	2687	0,00%
518	DL1EHG	JO31JF	38	17 El. Tonna hor.	50	18	3415	OE5D	583	3405	1	773	2632	22,70%
519	M0SJB	JO03DD	3	5 ele ZL Special	10	15	2966	F6HPP/P	479	3228	1	629	2599	19,49%
520	OK/OM3CN	JN89CX	285	j antena	25	26	2745	SP9PZD	232	2734	1	186	2548	6,80%
521	G3RLE	IO83VO	153	5 el	100	14	2297	F6DWG/P	505	2514	4	4	2510	0,16%
522	OM4DW	JN98HR	380	vertical	5	21	2472	S57O	276	2462	0	0	2462	0,00%
523	UR4HD	KN69QC	0		0	15	3447	RZ6A	618	3439	2	1021	2418	29,69%
524	F4FFS	JN17AW	110	dk7zb 2x10 élément c	20	13	3438	DF0MU	597	3435	4	1034	2401	30,10%
525	UA3GKT	KO92FP	244	6el	0	9	0	UR3EE	528	2375	1	0	2375	0,00%
526	OM6JO	JN99KB	430	OK1KRC	5	21	2371	OM3KDX	249	2374	0	0	2374	0,00%
527	F5VKV	JN33RR	200	2X10EL YU7EF	100	10	3601	S50C	642	3600	3	1259	2341	34,97%
528	OK2IGL	JN89KC	290	6 el. Y	5	17	2344	OL4A	294	2337	0	0	2337	0,00%
529	LZ3BD/2	KN34PB	0	DJ9BV	0	7	0	YU1EF	575	2284	0	0	2284	0,00%
530	UA9CFH	MO07UT	130	15el RA0FCA	0	8	2548	RW4WE	518	2542	1	294	2248	11,57%
531	G4HHJ	IO91US	90	11 ele	50	14	1766	DL4YR	493	2289	1	102	2187	4,46%
532	RA4SD	LO36WP	100	16el	100	8	3408	RN3F	671	3396	2	1235	2161	36,37%
533	G3HEJ	IO91PH	0	3 ft Car-antenna in	50	30	2970	F6HPP/P	364	2954	6	813	2141	27,52%
534	RN2FG	KO04FR	48	YAGI AAY-16/2 BY SP2	200	7	2204	DL0STO	636	2201	1	107	2094	4,86%
535	RA6HVB	LN15AD	455	GP, 9 el.	0	13	7172	UR5LX	748	3581	2	1546	2035	43,17%
536	RA9BZ	MO05FT	250	2*10el DL7KM	0	9	2233	RA4W	461	2226	1	235	1991	10,56%
537	RW3VM/3	KO97ME	0		0	10		RA3POV	361	1858	0	0	1858	0,00%
538	UA2FT	KO04LT	0	9-el	0	6	2561	OL4A	692	2557	2	706	1851	27,61%
539	RA3MAU	KO97XP	90	11el	0	9	0	RU3T	281	1851	0	0	1851	0,00%
540	DL5YEM	JN48LS	430	X 300 vertikal	50	16	2019	TM0W	318	2014	2	177	1837	8,79%
541	IN3RSV	JN55NV	650	Yagi 8JXX2	100	10	1826	IK1WVQ	331	1826	0	0	1826	0,00%
542	OK2BND	JN89UN	264	4 el-YAGI	10	20				1791	0	0	1791	0,00%
543	DL2BJB	JO42PT	0	9El Yagi	25	10	2052	DK2GZ	421	2048	1	293	1755	14,31%
544	GM4PPT	IO75SK	85	4x9 ele Tonna Pro-XL	400	12	3446	G4TSW	509	3816	5	2067	1749	54,17%
545	G4XPE	IO92GU	0	Jaybeam 10Y 10-eleme	25	14	1898	F6DWG/P	409	1897	2	181	1716	9,54%
546	DL0LA	JN68CM	482	18 El Yagi	80	12	2222	OM8A	426	2216	2	524	1692	23,65%
547	IZ2CPS	JN45SS	360	Yagi 9 el.	40	10	1653	IK5ZWU/6	341	1652	0	0	1652	0,00%
548	9A2KO	JN75IE	10	16 EL	25	19	2989	IZ1ESM/1	436	2985	7	1406	1579	47,10%
549	GM4VVX/P	IO78UB	310	17 ele yagi	100	7	824	GM4PPT	293	1553	0	0	1553	0,00%
550	DJ1CW	JO42BB	80	9-Element Yagi F9FT	150	21	5373	OK5Z	629	5362	6	3867	1495	72,12%
551	OE6TZE	JN77PA	0	2x 10-Element-X-Yagi	50	11	1794	OM3W	335	1789	0	323	1466	18,05%
552	OE3PGU	JN88GH	0	GP 2/70	50	10	1386	OM6A	187	1381	0	0	1381	0,00%
553	M0HAZ	JO03DD	3	5 ele ZL Special	10	8	1441	F6HPP/P	479	1437	1	91	1346	6,33%
554	DO3MXK	JO62HI	60	F9FT 9 Ele	50	28	6590	HB9FX	661	6574	6	5244	1330	79,77%
555	EU1AI	KO33SU	0		0	11				1323	0	0	1323	0,00%
556	IW1BCO	JN35MD	0	16 el. YAGI	25	11	1892	IK5ZWU/6	471	1892	1	583	1309	30,81%
557	RW3XN	KO84DL	100	11el	25	9	1212	RN3F	204	1210	0	0	1210	0,00%
558	RA8ABE	MO05QE	250	13 el	0	8	1178	RA4W	541	1175	0	0	1175	0,00%

559	HB9DRS	JN37SN	0	11 Element Yagi	250	14	2904	OL4A	545	2894	5	1737	1157	60,02%
560	F6BHI/P	JN13FK	1200	4 el	30	4	1156	F5SE/P	664	1154	0	0	1154	0,00%
561	DF5TR	JN49OC	0	HB9CV indoor	25	9	1248	TM0W	358	1244	2	108	1136	8,68%
562	G3YHF	IO92BJ	150	hb9cv	5	8	634	G4TSW	203	1133	0	0	1133	0,00%
563	F5NEV	JN04BM	0	5 ele yagi	40	9	1936	F6HJO	463	1937	4	817	1120	42,18%
564	DL3MR	JO71DC	100	7el. Flexa-Yagi	100	20	1327	DF0MTL	156	1318	2	237	1081	17,98%
565	DM2NL	JO61UB	185	NR 2000	5	21	1310	OL4K	141	1302	2	235	1067	18,05%
566	SP9GFY	JO90LD	267	CA2x4MAX	5	13	1232	OM3FW	187	1236	1	169	1067	13,67%
567	GJ7DNI	IN89WE	15	9 el yagi	100	5	1431	TM0W	677	1743	1	677	1066	38,84%
568	LY2BBF	KO24PR	0		0	6	1051	SN2DX	498	1047	0	0	1047	0,00%
569	F5JJA	JN08GM	0	YAGI X13	50	9	2144	ON4TX	384	2146	5	1240	906	57,78%
570	IZ2UUF	JN45NK	163	Yagi 10 elements lon	50	15	3082	9A1N	612	3079	6	2194	885	71,26%
571	F5LBG	JN24LU	0		25	12	3586	DK0BN	599	3586	7	2747	839	76,60%
572	DL9CXG	JO51LB	0		0	7	1260	DL6NDW	328	1256	2	420	836	33,44%
573	RW3XL	KO84DM	100	2MCP14	50	5	793	RN3F	200	790	0	0	790	0,00%
574	DM9KT	JO51NG	0	9 Element	5	10	787	OL7C	153	782	0	0	782	0,00%
575	DL1RIO	JN58SE	0		0	12	917	OL3Y	163	911	1	131	780	14,38%
576	PA1TK	JO22IJ	9	11 el G0KSC	400	3	765	F6HPP/P	362	762	0	0	762	0,00%
577	DC1SK	JO51PE	140	Winkler 9-ele Yagi	50	9	886	DF0MU	295	880	1	151	729	17,16%
578	IZ5HQB	JN53NS	50	5 ELEMENTI	50	8	1199	S59ABC	473	1198	3	523	675	43,66%
579	OK2SAM	JN99DU	250	HB9CV	10	16	713	SP9PZD	114	708	1	35	673	4,94%
580	DL1UNK	JO61XC	0		5	15	785	OK1KKL	109	777	2	113	664	14,54%
581	M0VVC	IO91KI	88	3 ELEMENT YAGI HOME	20	10	819	G4TSW	177	812	1	177	635	21,80%
582	LY1BWB	KO24PQ	0		0	6	1049	EW2BZ	242	1049	2	432	617	41,18%
583	F5IF	JN12IL	260	9éléments	50	6	612	F5KBJ/P	270	612	0	0	612	0,00%
584	F1EZG	JN18BX	56	Antenne Comete Verti	40	7	706	F6ETI/P	367	700	1	91	609	13,00%
585	UA3X	KO85GC	100	13el DJ9BV	50	5	587	RA3POV	165	586	0	0	586	0,00%
586	DR1T	JO50LQ	590	2 x BigWheel	50	13	2392	OK5Z	389	2387	6	1810	577	75,83%
587	IW1CBG	JN44AE	625	GP 5/8	30	6	536	I1RJP	153	556	0	0	556	0,00%
588	RK9CB	MO06IT	240	09el.H 144MHz	0	5	1252	RW4W	453	1247	2	711	536	57,02%
589	SO1RON	JO73FL	51	8 elements diamond	50	6	1744	DL2CC	669	1740	2	1229	511	70,63%
590	RK3AF	KO75WO	240	16i«	0	4	988	RA3FP	159	493	0	0	493	0,00%
591	DK4CU	JO31UO	0	1 el Quad	5	13	1121	DF0YY	338	1114	0	636	478	57,09%
592	DK5AJ	JO51GO	300	2m 10 El.	160	5	733	OL7C	207	731	2	290	441	39,67%
593	F5NBX	JN05RN	414	9 ELTS	10	1	435	F6HPP/P	435	435	0	0	435	0,00%
594	OM3RI	KN08UV	180	6el.yagi	4	9	554	HG6Z	175	557	0	128	429	22,98%
595	UA3PE	KO84TE	0		0	6	417	RN3F	223	415	0	0	415	0,00%
596	UA4WFN	LO66CK	159		0	2	389	UA9FE	308	388	0	0	388	0,00%
597	DJ9EY	JO31KF	102	5 el Yagi	75	6	835	F6DWG/P	321	719	2	338	381	47,01%
598	DL6UAE	JO72HD	50	GP	50	4	441	SP2QBQ	329	441	0	74	367	16,78%
599	DJ6QS	JO31JF	100	4 El. Konni	100	15	598	PC5M	112	594	2	253	341	42,59%
600	RN3DKE	KO85RV	278	YAESU ATAS-120	0	6	316	RX3AA	80	287	0	0	287	0,00%
601	DK8JG	JO31IK	40	11 El. LPDA Vertikal	25	9	352	DL0LN	76	346	2	62	284	17,92%
602	F4GCU	JN12LQ	120	ANT 6 EL TONA	50	5	468	F5KBJ/P	244	468	1	185	283	39,53%
603	LZ4UX	KN23TB	0	4 el. Yagi	40	2	244	LZ7J	142	244	0	0	244	0,00%
604	RA9QAW	MO25PK	70	9V/H RA3AQ-9	0	1	214	UN7CL	214	214	0	0	214	0,00%
605	UA3DSN	KO85XT	0	6el	0	4	0			246	1	64	182	26,02%
606	M1CDL	IO92VO	0	Vertical	50	3	33	G0HGH/P	33	181	0	0	181	0,00%
607	DL1RLB	JO62GK	20	GP	50	6	268	DM3W	101	265	1	101	164	38,11%
608	RA9FHM	LO87DV	150	16i«	0	2	142	UA9FY	119	142	0	0	142	0,00%
609	DL9GDC	JO32RG	0		5	7	135	DL4MFM/P	40	135	0	0	135	0,00%
610	I3YYY/3	JN65DE	0	HB9	5	2	248	IW3GYG/3	132	248	1	116	132	46,77%
611	I1KFH	JN45FG	130	verticale	20	2	129	IZ1ESM/1	84	129	0	0	129	0,00%
612	RV9AR	MO05RD	250	20 el	0	5	127	UA9AE	80	127	0	0	127	0,00%
613	F4FVO	JN28NH	250	ANT 3 éléments 144	10	5	834	F6DWG/P	277	831	2	712	119	85,68%
614	RA9AX	MO05QE	230	3el yagi	0	5	114	UA9AE	84	115	0	0	115	0,00%
615	F5MGD	JN09XH	170	BIG WHEEL	20	2	116	F6DWG/P	109	114	0	0	114	0,00%
616	R3DDL	KO95BO	243	2x15 el DJ9BV	0	2	0	RN3F	77	82	0	0	82	0,00%
617	RK9AY	MO04SB	0		0	1				47	0	0	47	0,00%
618	IK3XTY/3	JN55LP	1118	maspro	5	2	136	I3YYY/3	116	136	1	116	20	85,29%
619	DK5GU	JN48WD	0	Omni	50	5	146	DF4IAO	53	144	4	141	3	97,92%
620	IW1CKM	JN45FD	142	Yagi 13 elementi	50	4	1613	OK5Z	745	1611	4	1611	0	100,00%
621	R1DM	KO49WP	150		100	4	1972	RA3AES	682	1966	1	1966	0	100,00%

# 144 Mhz CW

## Multi Operator Ranking

CL	Callsign	Locator	H	Antenna	Power	Qso	Declared	ODX	DX	QRB	Error QSO	Error QRB	Final Score	Error %
1	OM8A	JN87WV	108	4x16,4x14,3x(8x7)	3000	498	199820	PA2CHR	948	199493	7	4617	194876	2,31%
2	OK7O	JN69OU	510	100 el.	2800	562	198707	YU1BN	840	198326	14	10166	188160	5,13%
3	IK5ZWU/6	JN63GN	1450	1X16+2X16+3X17+3X8+4	500	352	197183	DF0MU	1027	196933	15	13138	183795	6,67%
4	OM3W	JN99CH	930	115el.group	2000	468	186014	IK1WVQ	979	185716	10	8336	177380	4,49%
5	DK0BN	JN39VV	312	3 * 2*9 El + 2 * 18	750	497	195240	YU1EF	1070	194933	36	18880	176053	9,69%
6	OM6A	JN99JC	1476	3x1 18el. M2	1800	446	184910	IK1WVQ	1006	184026	10	7974	176052	4,33%
7	OK1KCR	JN79VS	668	M2, DL7KM	1500	479	180025	F6HPP/P	903	179877	11	6031	173846	3,35%
8	OL3Z	JN79FX	376	206 el	1600	504	184678	F6DWG/P	844	184371	21	10913	173458	5,92%
9	DL2CC	JN48WM	737	2*9el,4*4el,2*18el	700	476	185649	YU7ACO	953	185351	23	17765	167586	9,58%
10	HA6W	KN08FB	956	8x7+4x14 el.	1000	372	165492	DF0MU	1040	163413	12	7291	156122	4,46%
11	OL4A	JO60RN	920	19el OK1RI	800	456	161082	G4CDN	858	160759	16	8429	152330	5,24%
12	OE5D	JN68PC	700	2x 11El Yagi	500	405	155066	7S7V	830	154917	7	3951	150966	2,55%
13	OK5Z	JN89AK	660	104el Y	1900	442	158630	TM0W	800	158357	23	9707	148650	6,13%
14	OE1W	JN77TX	1313	9 element Yagi, 4*Bi	1000	417	159406	ON4KHG	894	159325	17	11697	147628	7,34%
15	OL3Y	JN69JJ	1042	75 ELE	2500	444	151690	F6ETI/P	884	151382	10	5289	146093	3,49%
16	OK2C	JN99AJ	700	4x11;4x9	1000	398	150023	PA2CHR	878	149482	11	4487	144995	3,00%
17	DF0MTL	JO61JF	230	4x6.3x6	750	469	160005	LA0BY	982	159729	24	16270	143459	10,19%
18	HA2R	JN87UE	640	2x17 el.	800	398	153665	DF0MU	927	153438	34	11293	142145	7,36%
19	OK1KIR	JO70DH	245	4x11 el. TRX + 3x4x5	800	447	156422	F6DWG/P	829	156150	24	14158	141992	9,07%
20	S50C	JN76JG	1508	6x5, 2x15,2x15, 1x20	1500	396	150922	LZ7J	924	150673	18	10366	140307	6,88%
21	9A2L	JN86HF	261	16x11 el + 2x11 el Y	1000	349	142278	SK7MW	1050	142054	8	6059	135995	4,27%
22	S57O	JN86DT	317	8x9+8x11+4x17+4x17 e	1500	383	148139	DF0MU	876	147953	26	12188	135765	8,24%
23	HA5KDQ	JN97LN	0		0	354	138281	DL2YDS	860	138415	12	6348	132067	4,59%
24	OL7C	JO60JJ	1063	2x18M2, 8x5, 4x10	2200	417	140907	IG2HN	895	140660	23	9079	131581	6,45%
25	IQ3LX	JN65EM	20	4x5YAGI, 2x6UDA, 2x6	500	328	135820	SP9PZD	767	135618	11	4484	131134	3,31%
26	OM3KII	JN88UU	970	9el., 9el.	1000	379	134958	IK1WVQ	923	134727	11	6352	128375	4,71%
27	OL4K	JO70TQ	1200	12el DK7ZB	250	365	136989	IK1WVQ	923	136734	24	12706	124028	9,29%
28	OK2I	JN89XX	294	4x10 DK7ZB	1500	359	134195	IZ1ESM/1	880	133980	22	11505	122475	8,59%
29	OK1KKI	JN79NF	609	2xF9FT 2xGW4CQT	500	374	128154	ON4KHG	813	128126	15	7274	120852	5,68%
30	DQ7A	JN59RJ	0	3 x 6 Element	700	389	133773	YT4B	848	133527	40	14860	118667	11,13%
31	TM0W	JN36BP	215	362 el group	450	279	129440	OM6A	983	129276	21	12521	116755	9,69%
32	9A1N	JN85LI	200	8 x 11 el. LFA G0KSC	1000	307	125353	DK0BN	852	125313	17	9415	115898	7,51%
33	S59ABC	JN76TO	595	6x11el.	1200	320	120354	LZ7J	887	120175	12	6335	113840	5,27%
34	9A4V	JN95KI	101	4x17el. F9FT, 8el. Q	800	280	125119	DK0BN	971	124923	13	11376	113547	9,11%
35	DF0MU	JO32PC	186	4x9 El Yagi 4x Bi	700	323	122999	HA6W	1040	122792	16	9749	113043	7,94%
36	SP9PZD	JO90PP	360	2xDL6WU	500	318	133199	IK5ZWU/6	938	133002	40	20627	112375	15,51%
37	HG1Z	JN86KU	300	4xcorner reflector	1000	336	125052	DF0MU	905	124843	21	12963	111880	10,38%
38	S59P	JN86AO	301		800	327	116822	LZ7J	860	116219	9	4438	111781	3,82%
39	YU1EF	KN05CD	280	2 X 17 el.CUSH CRAFT	750	249	117216	DK0BN	1070	117058	12	9935	107123	8,49%
40	OL7G	JN78DR	820	2x10el DK7ZB	1000	336	115829	7S7V	765	115600	19	9661	105939	8,36%
41	OE2M	JN67NT	1295	2x8 El Yagi	400	295	115354	7S7V	863	115156	20	9916	105240	8,61%
42	HB9FX	JN47FB	0	4x4Y+2x12Y	600	308	124435	DL4KUJ	879	124261	39	19882	104379	16,00%
43	DM3W	JO62XE	24	8el Yagi	750	311	114613	YT4B	985	114424	24	11913	102511	10,41%
44	PC5M	JO21OJ	0	2*9, 4*8, 2*16	400	278	106069	OE1W	840	105903	10	4751	101152	4,49%
45	OK2KKW	JO70FD	320	10el DK7ZB, 4el OK1K	1400	320	106405	IK1WVQ	822	106189	4	5889	100300	5,55%
46	DL0XM	JO61GE	297	2 x 10eleYa	750	352	111565	IK5ZWU/6	848	111350	24	11192	100158	10,05%
47	YU7W	JN95RD	262	2x17el M2	800	244	109816	DK0BN	1022	109647	16	11134	98513	10,15%
48	DF0YY	JO62GD	201	10ele DK7ZB	700	294	108582	IK5ZWU/6	955	108411	23	10814	97597	9,98%
49	OK1OPT	JN69NX	720	10 el. DK7ZB	300	337	106414	YU7ACO	823	106219	26	12800	93419	12,05%

50	9A1CMS	JN86DM	290	4x9F9T	800	268	102312	DF0MU	900	102095	12	8743	93352	8,56%
51	DL0STO	JO60UR	901	2x 11 Element	600	322	100692	YT4B	853	100493	22	8648	91845	8,61%
52	DL0HTW	JO60QU	550	4x9 Element	100	288	92255	IK5ZWU/6	814	92084	6	2777	89307	3,02%
53	HG6Z	JN97WV	834	4x11el. EF0211B	800	252	93402	IK1WVQ	1031	93251	12	5819	87432	6,24%
54	OL2J	JN79TI	660	F9FT	300	278	90502	PC5M	772	90404	3	3057	87347	3,38%
55	IQ3RO	JN55UC	0	1x17	500	221	94266	DF0MU	844	94141	11	8103	86038	8,61%
56	OL1B	JO80IB	995	F9FT	150	273	87185	IK5ZWU/6	789	87021	1	1036	85985	1,19%
57	I5MZY/4	JN54OL	464	20shark;18lhx;2x16f9	500	207	95574	F6DWG/P	906	95439	19	10733	84706	11,25%
58	DL0NF	JN59PL	660	7el Flexa	700	284	90943	YU1EF	827	90781	15	6109	84672	6,73%
59	HG7F	JN97KR	700	11ele yagi	500	235	77668	DK0BN	846	77517	4	1955	75562	2,52%
60	YT4B	JN94SD	17	11el dj9bv	500	164	80741	DM3W	985	80640	7	6218	74422	7,71%
61	IZ1ESM/1	JN44OR	1510	2x7 & 4x5	500	158	76089	YU7ACO	959	75986	5	3901	72085	5,13%
62	DM5C	JO42RG	385	2 * 7 Elem. Yagi	600	244	78103	LA0BY	861	77959	15	5981	71978	7,67%
63	OM6W	JN99GK	766	4x 10 el. DK7ZB, 4x	1200	226	73071	IK5ZWU/6	799	72937	2	1582	71355	2,17%
64	9A1E	JN85QT	223	Yagi 9 el	100	207	73222	IK1WVQ	797	73105	2	2384	70721	3,26%
65	YU7ACO	KN05QC	360	2X 12EL DK7ZB	500	159	76592	IZ1ESM/1	958	76550	8	6548	70002	8,55%
66	9A1W	JN75ST	804	2M18XXX + 2x10 el. D	700	222	73057	LZ7J	855	72740	6	3885	68855	5,34%
67	OL4N	JO60VR	800	PA0MS	300	246	74968	YT4B	849	74929	19	6424	68505	8,57%
68	OK2KCN	JN89OI	235	2 x GW4CQT	600	253	73721	IK5ZWU/6	737	73565	12	5488	68077	7,46%
69	DF0RSA	JO61SH	165	12el	0	242	76486	IK5ZWU/6	866	76349	8	8290	68059	10,86%
70	OK5T	JO70BK	220	2 x 12el DL6WU	100	237	68819	YU1LA	793	68682	7	2995	65687	4,36%
71	OM3KDX	KN19DB	650	6x4.el.Yagi	750	160	67629	IK5ZWU/6	966	67510	3	2777	64733	4,11%
72	OK2KYZ	JN89XN	546	2x10el DK7ZB	600	212	66146	IZ1ESM/1	852	66020	6	2457	63563	3,72%
73	OK2KYJ	JN89QQ	600	2x 11el.LFA	90	202	63506	IK5ZWU/6	775	63379	6	2308	61071	3,64%
74	OM3RLA	JN98LB	0	F9FT	250	200	65878	I4LCK/4	733	65755	4	5659	60096	8,61%
75	IK1WVQ	JN34QM	1350	8X(22+22) + 4X10 DJ9	500	142	68557	HG6Z	1030	68575	18	11326	57249	16,52%
76	HB9GT	JN47MH	16	4x9elem	600	205	72669	DL0BLA	926	71797	46	17920	53877	24,96%
77	OK1KKL	JO70PO	744	12EL YAGI	120	185	59079	IK5ZWU/6	811	58966	14	5265	53701	8,93%
78	OL1Z	JN88AU	368	2x10el. DK7ZB	300	201	59438	LZ2FO	754	59322	13	5736	53586	9,67%
79	DR5T	JN47ET	890	2x8	750	141	54336	SK7MW	903	54240	9	3992	50248	7,36%
80	OK2KPD	JO80UB	440	4x12 F9FT	600	173	52086	IK5ZWU/6	822	52078	10	2820	49258	5,41%
81	OK1KKD	JO70BC	400	4x2m5wl	100	229	63021	F6DWG/P	820	62888	37	14531	48357	23,11%
82	9A1CRS	JN95AD	240	2 x 2M5WL + 2M5WL	1000	148	49225	I1RJP	776	49134	3	2086	47048	4,25%
83	IW3INQ/IV3	JN65QQ	0	4x8jxx2 4x8jxx2	500	140	51918	DL2YDS	711	52274	12	7119	45155	13,62%
84	DL0BLA	JO62QH	42	12 dB Yagi	300	160	50238	9A2L	717	50152	2	5261	44891	10,49%
85	9A0C	JN85AO	170	17B2	100	135	46769	DL0WSF	697	46695	4	1948	44747	4,17%
86	OK1RAR	JO70DB	365	2x4 el Yagi	200	189	50356	YT4B	768	50343	12	5625	44718	11,17%
87	ON7RY/P	JO20AI	145	2x9 elem	150	152	56191	n		55434	16	11241	44193	20,28%
88	HB9CLN	JN37WB	1117	11el-Yagi	300	140	50367	OK2C	796	50285	7	7605	42680	15,12%
89	LZ7J	KN21IX	1300	11el YU7EF	300	65	44029	RW7A	1210	43972	3	2093	41879	4,76%
90	9A8D	JN95LM	178	14el.Elly by YU1QT	100	126	44229	IZ1ESM/1	770	44152	9	4490	39662	10,17%
91	DM3D	JO62HG	12	4x10	200	116	45533	TM0W	782	45457	3	6049	39408	13,31%
92	F6ETI/P	JN15EQ	921	13 elts YU7EF	600	105	47697	OL3Y	883	47626	7	8271	39355	17,37%
93	OK5K	JN99CT	250	10el.DK7ZB	100	148	42813	IK5ZWU/6	818	42727	8	3658	39069	8,56%
94	9A7B	JN83HG	780	YAGI	500	87	39096	OL4A	845	39058	2	1148	37910	2,94%
95	DL0C	JO72HD	110	2x 17el Yagi	160	130	41983	IK5ZWU/6	967	41903	17	6716	35187	16,03%
96	OK2KYD	JN88WX	700	F9FT 16el.YAGI	100	161	41531	DK0BN	736	41445	15	6717	34728	16,21%
97	OK2KOL	JN99BN	600	2x6el.	100	128	33258	DK0BN	744	33180	3	1347	31833	4,06%
98	OK1KCB	JN79GB	544	2 x F9FT	30	118	34463	F5SE/P	770	34385	9	2790	31595	8,11%
99	DJ7HC	JN48NI	842	2x5-EI	300	81	32847	SP9PZD	777	32791	4	1750	31041	5,34%
100	DL0FTL	JO61SA	320	10 ELE	50	112	33659	IK5ZWU/6	833	33598	5	2629	30969	7,82%
101	DL0LN	JO31QX	195	2 + 10 El Yagi	120	121	36007	HA2R	915	35931	11	5558	30373	15,47%
102	OE6V	JN76XU	609	1 x 9 el Yagi	400	141	33728	LZ7J	880	33673	14	4200	29473	12,47%
103	9A2U	JN75RP	410	2x12 el DL6WU	700	120	34496	SP9PZD	625	34428	10	5258	29170	15,27%

104	UA6LQZ	LN09GN	235	14el RA3AQ	0	66	0	RN3F	766	29924	1	2010	27914	6,72%
105	DF0GEB	JO51IL	230	8el DK7ZB	150	124	35168	HA6W	796	35089	16	7916	27173	22,56%
106	DL0WSF	JO51WF	194	17ele Yagi	100	100	31175	I5MZY/4	753	31117	11	4168	26949	13,39%
107	RM7T	LN14KS	0		100	46	27775	RX3AA	1221	27752	2	1073	26679	3,87%
108	HA4KYV	JN96LX	0	13 ele Yagi	100	101	32628	DL2CC	700	32586	11	6521	26065	20,01%
109	G4TSW	IO80FV	239	17ele + 17ele	400	78	27060	TM0W	851	27991	6	2376	25615	8,49%
110	DK0SM	JO42PH	155	9 ele	50	123	32107	OE1W	660	31723	10	6110	25613	19,26%
111	OK2KOE	JN89SS	730	7el YAGI	50	110	27984	IK5ZWU/6	789	27918	6	2434	25484	8,72%
112	YT7P	KN05EJ	0	EF0211B	50	85				28487	4	3497	24990	12,28%
113	DK5TX	JO41JW	198	F9FT 9-ele	100	101	27180	SP2QBQ	673	27122	6	3182	23940	11,73%
114	OL7Q	JN99DQ	290	7el.Quad	300	105	24827	DK0BN	754	24767	3	1906	22861	7,70%
115	IZ4FTB	JN54PL	70	Yagi 11 Elementi	500	61	22547	OL4K	764	22520	6	3144	19376	13,96%
116	SP9ZHR	JO90KG	0	8 el DK7ZB	100	54	19673	E77CV	710	19638	2	466	19172	2,37%
117	UV2L	KN79XW	0		0	52	19670	RM7T	720	19636	3	1229	18407	6,26%
118	HB9HR	JN47DF	820	9el	600	70	19284	OM6A	806	19248	5	1181	18067	6,14%
119	OM4C	JN99TB	574	7-el Quad	100	68	17434	E77CV	587	17410	1	2237	15173	12,85%
120	DK0PU	JO31GO	15	11 Ele. Yagi	100	71	20052	OK1KCR	683	20013	11	5166	14847	25,81%
121	HB9G/P	JN36BK	1628	11 YAGI (+ PREAMPLI)	80	44	15097	OK1KCR	808	15067	1	771	14296	5,12%
122	IW4AJP/4	JN54PF	900	Tonna 17 el.	500	48	22569	F6HPP/P	827	22563	9	8602	13961	38,12%
123	RN3F	KO86RE	0		0	46		RT7G	1276	15487	1	1863	13624	12,03%
124	OM3RMY	JN88VS	300	7el Quad	50	79	14299	YT4B	532	14265	4	1372	12893	9,62%
125	DP5P	JO53BF	0		0	49	17195	HB9GT	663	17162	6	4278	12884	24,93%
126	S54K	JN76OM	0		0	71	15557	DK0BN	670	15522	6	2832	12690	18,25%
127	HB9LB	JN37TL	746	9ele LY	100	49	14562	OK2C	797	14534	6	2358	12176	16,22%
128	F8UFT	JN19EH	110	10 éléments yagi 28o	100	55	15774	DL2OMP	748	15747	6	3794	11953	24,09%
129	IQ3AZ	JN65QQ	0	4x8JXX	500	35	12432	DF0YY	721	12410	8	2424	9986	19,53%
130	IQ0HV/0	JN61HU	110	12 ELEM. DK7ZB	280	29	12954	9A6Y	652	12942	5	3465	9477	26,77%
131	IQ2LS	JN45OO	180	2x10el	25	30	8837	9A4V	755	8824	2	227	8597	2,57%
132	DL0GM	JO30ST	180	4fach Oblong / 6 el.	50	45	10134	OE5D	514	10113	4	1624	8489	16,06%
133	OK1KJV	JO60UC	382	F9FT	100	33	8177	YU1EF	736	8159	2	755	7404	9,25%
134	OK5N	JN69QS	347	4elY	40	41	8558	HA6W	552	8533	2	1409	7124	16,51%
135	DR9P	JO31LG	170	2 X 9 Ele Tonna	50	24	6809	OE2M	588	6801	0	0	6801	0,00%
136	YU1AHW	KN13JA	15	8 el long Yagi YU7EF	50	14	7146	OE1ILW/3	767	7135	0	406	6729	5,69%
137	UT5U	KO50FJ	240	2x6 el	100	6	5868	RT7G	1038	5862	0	314	5548	5,36%
138	OM3RRC	JN99FC	370	4x10 DK7ZB	1000	28	6558	IQ3LX	608	6539	1	1042	5497	15,94%
139	F5KBJ/P	JN23WE	787	7 éléments FLEXA YAG	50	23	5215	F8DHA	721	4969	2	959	4010	19,30%
140	DO7ML	JO31LG	170	2x9 ele. Tonna	50	22	6129	F6ETI/P	707	6119	6	2240	3879	36,61%
141	DO9PL	JO31LG	170	2 X 9 Ele Tonna	50	15	3623	TM0W	518	3617	0	0	3617	0,00%
142	UW3E	KN78MM	80	UA1DZ	0	13	2241	R6MR	378	2234	0	0	2234	0,00%
143	OM3KEG	JN98CR	216	4 el. Yagi	3	21	3011	S50C	375	3002	5	1212	1790	40,37%
144	RK3PWJ	KO93BD	0		100	5	853	UA6LQZ	433	851	0	0	851	0,00%
145	DK0GHC	JO61FR	85	2x9ele	60	11	803	OL7C	151	799	0	0	799	0,00%
146	RT9M	MO75GB	109	2x9el RA3AQ	0	2	0	UN7CL	384	459	0	0	459	0,00%
147	DL7ET	JO31KF	0		0	9	294	PC5M	118	292	0	51	241	17,47%

## CheckLog

By request: DL7VAF, LY3UE, RW3PX, S57AW, UT5DL, OK1IA, RM1A, SP4MPB, UT1C, R3MW, RN3DKQ, RT3A, RU3T, UA4AQL, UA6EC, UA9MBQ, UA9WTF, UN7CL, UR0EQ, UR8LL, US4ICG, UV5ERY Elapsed time: IK3XTT

**Manager Remark :**

The 41st edition of Marconi Memorial Contest VHF CW was held in a positive way, despite of bad weather conditions as noted in the remarks of many log files. We have seen an increase in the participation to the contest of about 25% respect the past year edition and many stations that have requested to be assigned to the checklog classification. We detected many malformed log files with missing fields and unreadable data because of this problem has not been possible to release the list of contest team. The weather and propagative negative condition has produced many errors in LOCATOR and RST exchange which had a negative impact on the score of many stations.

In the Single Operator category wins DK1KC/P with 134.075, followed S57Q with 120.024 and OK2PVF with 117948

In the Multi Operator category wins OM8A with 194.876 points, followed by OK7O 188.160 and IK5ZWU/6 with 183.795