



181. DUR – Aktivitätscontest September 2023 – Ergebnisse

QRG	Call	Station	Loc.	QSOs	km	ODX	
23cm:	9A6K	100W, 210cm Spiegel	JN95GO	16	5915	DK1MAX; JN58SP; 629km	
	HA5HY	70W, 180cm Spiegel	JN97PP	15	4514	IK7UXW; JN80XP; 786km	
	9A8D	30W, 200cm Spiegel	JN95LM	6	2175	OK2KKW; JO70FD; 615km	
	FM-QRP	DM4SWL/P	2W, YA-13	JO60LK	16	2047	DG1RTV; JO62VO; 248km
	FM-QRP	DL1WU	2W, 13EL Yagi	JO60LK	16	2047	DG1RTV; JO62VO; 248km
	FM-QRP	DL1DSR	2W, YA-13	JO60LK	16	2047	DG1RTV; JO62VO; 248km
	DG2DWL	10W, 20EL Yagi	JO60TR	23	1763	DG1RTV; JO62VO; 209km	
	HA3FMR	7W, 56EL Yagi	JN97NM	7	1601	OK2KKW; JO70FD; 450km	
	DL6AST	200W, 36EL Yagi	JO60GQ	8	1408	OK6TW; JN89JM; 330km	
	FM-QRP	DG1RTV	2W, 100cm Spiegel	JO62VO	5	1129	DM4SWL; JO60LK; 248km
	DM3F	40W, 45EL EPS-Antenne	JO61UB	10	1092	DK1MAX; JN58SP; 311km	
	DL1JIF/P	10W, 18EL-HM-Spindler-Y.	JO61LC	9	967	OK1FQK; JO70NA; 195km	
	DH5YM	100W, 36EL Yagi	JO61UC	9	775	OK1FQK; JO70NA; 156km	
	FM-QRP	DL7UDA	2W, 100cm Spiegel	JO60LK	3	744	DM4SWL; JO60LK; 248km
	FM-QRP	DM2MM	2W, 100cm Spiegel	JO62VO	3	744	DM4SWL; JO60LK; 248km
	YO3GNF/P	25W, 13EL Yagi	KN25RI	5	498	YO7LBX; KN15PB; 173km	
	FM-QRP	DL2HSC	1W, 5EL Yagi	JO70AX	9	493	DL5DRM; JO60VA; 108km
	DM2EUN	120W, 42EL LYagi	JO60IV	6	355	DL1HTT; JO61FR; 95km	
	FM-QRP	DH0DK	1W, 8EL Yagi	JO60TX	7	328	DL1WU; JO60LK; 77km
	9A1I	10W, 67EL Yagi	JN85FS	4	305	9A6K; JN95GO; 163km	
	YO3FWL	20W, DJ9BV-Ant.	KN24XL	4	291	YO3GNF/P; KN25RI; 105km	
	DJ5AM	10W, 4x Dipol	JO61WB	6	243	DH0DK; JO61TX; 104km	
	YO3GJ	2W, Yagi	KN24UL	3	196	YO3GNF/P; KN25RI; 99km	
	YO9AYN	100W, 49EL Yagi	KN24SW	3	115	YR7J; KN24KU; 54km	
	DL6DVU	10W, Doppelquad	JO71DO	1	108	DG2DWL; JO60TR; 108km	
	DL8WQQ	10W, 100cm Spiegel	JO61II	1	95	DG2DWL; JO60TR; 95km	
	DF0MTL	10W, 100cm Spiegel	JO61II	1	95	DG2DWL; JO60TR; 95km	
13cm:	DM4SWL/P	2W, YA-17	JO60LK	11	1667	DG1RTV; JO62VO; 248km	
	DL1DSR	2W, YA-17	JO60LK	11	1667	DG1RTV; JO62VO; 248km	
	DL1WU	2W, 17EL Yagi	JO60LK	11	1667	DG1RTV; JO62VO; 248km	
	DG2DWL	5W, 40EL Yagi	JO60TR	15	1233	DG1RTV; JO62VO; 209km	
	DG1RTV	2W, 100cm Spiegel	JO62VO	4	953	DM4SWL; JO60LK; 248km	
	DL7UDA	2W, 100cm Spiegel	JO62VO	3	744	DM4SWL; JO60LK; 248km	
	DM2MM	2W, 100cm Spiegel	JO62VO	3	744	DM4SWL; JO60LK; 248km	
	HA5HY	40W, 180cm Spiegel	JN97PP	4	723	9A2SB; JN95GM; 244km	
	DJ5AM	2W, Quad	JO61WB	5	327	DM4SWL; JO60LK; 95km	
	DM2EUN	75W, 64EL LYagi	JO60IV	5	325	DL1HTT; JO61FR; 95km	
	DL6AST	75W, 67EL Yagi	JO60GQ	3	248	DL1HTT; JO61FR; 116km	
	9A6K	20W, 200cm Spiegel	JN95GO	2	245	HA5HY; JN97PP; 235km	
	YO3GNF/P	200mW, 17dBi-Panel	KN25RI	3	225	YO3FWL; KN24XL; 105km	
	DH5YM		JO61UC	3	190	DL6AST; JO60GQ; 94km	
	DM6JKC	2W, PCB-Antenne	JO60OM	4	182	DD1UDW; JO61NI; 68km	
	YO3FWL	2W, 24dBi-Grid	KN24XL	2	165	YO3GNF/P; KN25RI; 105km	
	YO8AYN	100W, Grid PG24	KN24SW	2	108	YO3FWL; KN24XL; 60km	
	09cm:	DL1DSR	3W, Flat-Antenne	JO60LK	5	643	DC7QH; JO62QN; 239km
		DL1WU	3W, Flat-Antenne	JO60LK	5	643	DC7QH; JO62QN; 239km
		DM4SWL/P	3W, Flat-Antenne	JO60LK	5	643	DC7QH; JO62QN; 239km
		DH5YM		JO61UC	3	273	DL1DSR; JO60LK; 90km
		DM2EUN	20W, 80cm Halbgitterspiegel	JO60IV	3	162	DM4SWL; JO60LK; 54km
		06cm:	YO8RHM/P	4.5W, 45cm Spiegel	KN38JF	4	622
	HA5HY		10W, 180cm Spiegel	JN97PP	1	244	9A2SB; JN95GM; 244km
YO3GNF/P	200mW, 23dBi-Panel		KN25RI	2	178	YO3FWL; KN24XL; 105km	
YO8CLN	2W, 60cm Spiegel		KN27OC	1	172	YO8RHM/P; KN38JF; 172km	
YO8SSB	2W, 60cm Spiegel		KN27OC	1	172	YO8RHM/P; KN38JF; 172km	
YO8OY/P	7W, IC905 + 50cm Spiegel		KN37TC	1	139	YO8RHM/P; KN38JF; 139km	
YO3FWL	200mW, 40cm Svenska Spiegel		KN24XL	1	105	YO3GNF/P; KN25RI; 105km	
03cm:	DM4SWL/P		2W, 66cm Spiegel	JO60LK	16	2608	DG1BHA; JO73DB; 306km
	DL1DSR	2W, Pa-66	JO60LK	16	2608	DG1BHA; JO73DB; 306km	
	DL1WU	2W, 66cm Spiegel	JO60LK	16	2608	DG1BHA; JO73DB; 306km	
	DM2MM	5W, 45cm Spiegel	JO62VO	11	2271	DL1ATI; JO50QU; 257km	
	DL7UDA	10W, 70cm Spiegel	JO62VO	11	2271	DL1ATI; JO50QU; 257km	
	DL1ATI	8W, 60cm Spiegel	JO50QU	10	1965	DG1BHA; JO; 317km	
	DL1DUR	8W, 70cm Spiegel	JO70JW	15	1926	DL1ATI; JO50QU; 240km	
	DO1UKA	4W, 48cm Procom-Spiegel	JO71GC	10	1107	DL1ATI; JO50QU; 224km	
	DL7UGZ	45cm Spiegel	JO70IT	9	1043	DM2MM; JO62DV; 285km	
	DL2DRG	8W, 45cm Spiegel	JO70IT	9	968	DL7UDA; JO62VO; 210km	
	DL0ZI	8W; 45cm Spiegel	JO70IT	8	952	DL7UDA; JO62VO; 210km	
	DG1RTV	10W, 60cm Spiegel	JO62VO	3	744	DM4SWL; JO60LK; 248km	
	DM2EUN	8W, 60cm Parabol	JO60IV	5	572	DL7UDA; JO62VO; 205km	
	9A6K	10W, 140cm Spiegel	JN95GO	2	470	9A1W; JN75ST; 235km	
	HA5HY	7W, 180cm Spiegel	JN97PP	3	561	9A2SB; JN95GM; 244km	
	YO3GNF/P	8W, 60cm Offsetspiegel	KN25RI	3	346	YO7FWS; KN24DJ; 141km	
	YO8RHM/P	2.5W, 60cm Offset	KN38JF	2	344	YO8CLN; KN27OC; 172km	
	YO8SSB	500mW, 40cm Spiegel	KN27OC	1	172	YO8RHM/P; KN38JF; 172km	
	YO8CLN	500mW, 40cm Spiegel	KN27OC	1	172	YO8RHM/P; KN38JF; 172km	
	YO7FWS	2W, 60cm Spiegel	KN24DJ	1	141	YO3GNF/P; KN25RI; 141km	
	YO3FWL	2W, 40cm Offsetspiegel	KN24XL	2	124	YO3GNF/P; KN25RI; 105km	
	YO3GJ	1W, 30cm Offsetspiegel	KN24UL	2	118	YO3GNF/P; KN25RI; 99km	
	DG1VC	5W, Procom Parabol	JO70HW	4	60	DL2DRG; JO70IT; 16km	
	DH5YM	10W, 35cm Spiegel	JO61XA	1	20	DL6BU/P; JO61XA; 20km	
	DJ5AM	2W, 60cm Spiegel	JO61WB	1	8	DL6BU/P; JO61XA; 8km	
	24GHz:	DL7VTX/P	2W, 35cm Spiegel	JO62VB	4	246	DC7QH; JO62QN; 62km
		DM4SWL/P	300mW, Pa-66	JO62LK	2	141	DB6NT; JO50TI; 95km
		DL1WU	300mW, Pa-66	JO62LK	2	141	DB6NT; JO50TI; 95km
		DL1DSR	300mW, Pa-66	JO62LK	2	141	DB6NT; JO50TI; 95km
		YO3GNF/P	2W, 40cm Offsetspiegel	KN25RI	1	105	YO3FWL; KN24XL; 105km
YO3FWL		2W, 40cm Spiegel	KN24XL	1	105	YO3GNF/P; KN25RI; 105km	
DL7UDA		2W, 33cm Offsetspiegel	JO62VO	1	61	DL7VTX/P; JO62VB; 61km	
DG1RTV		2W, 35cm Spiegel	JO62VO	1	61	DL7VTX/P; JO62VB; 61km	
DM2MM		2.5W, 33cm Offsetspiegel	JO62VO	1	61	DL7VTX/P; JO62VB; 61km	
47GHz:							
>300GHz							

Bitte auch die 1297.500/ 2321.475 (SBW) in FM für die Bergfunker aktivieren.
SSB - Stationen: Bitte jede volle und halbe Stunde auf die FM-QRG schalten.

Stimmen zum Wettbewerb:

Dietmar DL7UDA: Bei schönem Wetter waren wir, Lennart, DM2MM, Peter, DG1RTV, und ich von "unserem" Acker in JO62VO QRV. Bedingungen und Aktivität waren ebenfalls gut. Mehr ist natürlich immer drin.

Gerald, DL1DSR: Diesmal durfte ich Günther, DM4SWL und Uwe, DL1WU auf den Fichteberg begleiten. Nach dem Warmfunken auf dem Kleinen Fichtelberg konnte ich meine 9-cm-stn für den Betrieb auf dem Großen beisteuern.

Virgil, YO8OY: Nice day for contest!

Harald, DL2HSC: Mein 23-cm-Urlaubslog vom Hohburkersdorfer Rundblick. Hatte nur das Handfunkgerät dabei und die kleine Yagi.

Joachim, DM6JKC: Hat wieder Spaß gemacht, das Wetter passte. Bis zum nächsten mal.

Mario, DH5YM: Heute nur 1.5h. Fokus auf Test der Technik. Mal wieder auf 9cm qrv gewesen. Wenig Aktivitaet und wenig QSO.

Mihai, YO8RHM: This time I went up to the north near the border with the Republic of Moldova where I worked from square KN38JF (298m ASL). It was a beautiful autumn day, very good to go out in /P. :)

Setup 6cm: IC991A+YO4HFU XVTR+PA HM 4,5W, ant Svenska 45cm

Setup 3cm: IC991A+YO4HFU XVTR (based on an Alcatel module, more info: [YO4HFU Website](#)), 2,5W, 60cm offset

Jürgen, DL1DUR: Lief ganz gut der DUR auf 3cm. Dazu noch ein bomben Wetter ! 15 QSOs, na viel mehr ist nicht drin vom Schanzberg, JO70JW, in Oberseifersdorf, Nähe Zittau.Dann bis zum nächsten Mal !

Andre', DL6AST: Nachdem ich in den letzten 14 Tagen gut gelegene Standorte in meiner Nähe gesucht habe bin ich aber doch zu Hause geblieben. Die "guten" Anhöhen sind immer zu gut bewaldet für 3cm, von zu Haus aus geht aber nur 23 und 13cm. Hat aber wieder entspannt Spaß gemacht. Würde mich auch über Skeds für 13cm freuen.

Fred, DM3F: Im Oktober bin ich auf Tuvalu (T2C) qrv, da wirts nix mit DUR von da hinten. :)

In the QSO with DD1UDW my power supply failed, sorry for being short. :) Its the old switching PSU from GDR times now going EOL.

Cristian, YO3FWL: Good weather, light wind but good to work. The stage also overlapped again with a YO contest that started on Saturday, so I eliminated the first qso's outside of DUR hours on 23cm log if that's ok. Thank you, All the best '73, Cristian.

Last QSOs from HB9 on 3400 MHz, final QRT on 1.1.2024

From: Daniel HB9Q

Date: Wed, 27 Sep 2023 19:34:25 UTC via Moon-Net - Digest #202

Hi All. The Swiss license authority informed me, that starting 01.01.2024 there are no licenses for ham-radio on 3400-3500 MHz anymore. I was holding a special permit since 2011. So I have to QRT on 3400 MHz by 01.01.2024.

If you want to work HB9, you better hurry-up! Please let me know if you need a contact to confirm HB9 or just for a new initial or square. I will be happy to provide you with a QSO! I can be QRV throughout the week or on weekends. I will try my best to give all looking for HB9 a chance to work it before final QRT. Our station is a 10m solid dish and 100W. We can easily work QRP stations. Contact me by e-mail. Vy 73, Dan HB9Q





6cm Equipment von YO8RHM



3cm Equipment von YO8RHM



YO8OY & YO8CT 2023-09-17



Setup von Virgil, YO8OY in KN37TC

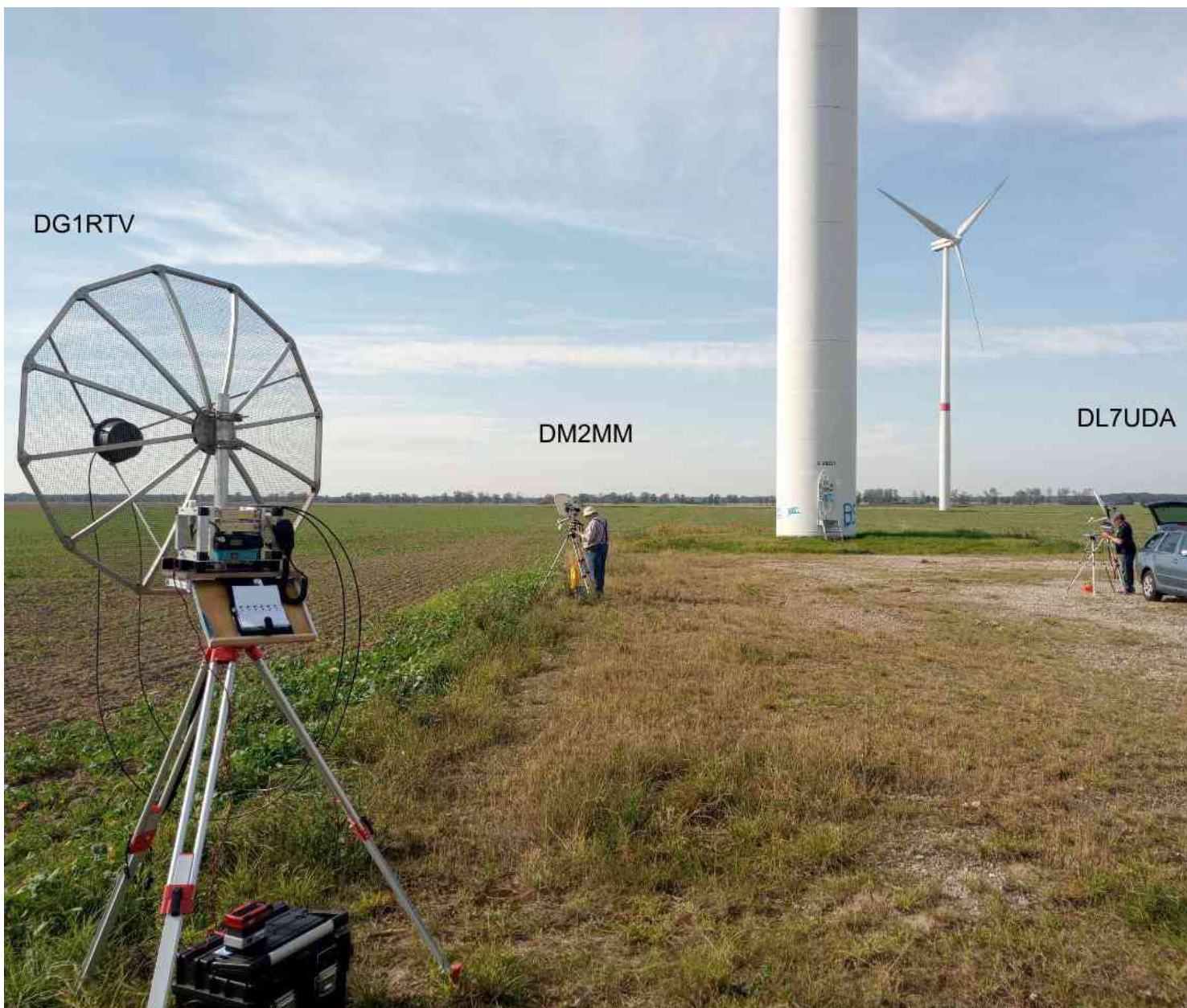


Hörnchen-Erreger vor dem Offset-Spiegel ...



...noch ein Hörnchen, aber viel kleiner ;-))

Mni tnx fer nice pictures to all



JO62VO optimal „bestückt“ ;-)



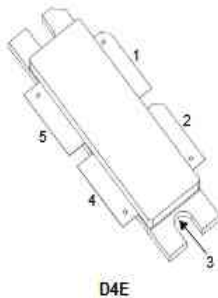
Jens, DL7VTX, auf 24GHz mit 2W und 35cm-Spiegel (ZF mit IC705), QTH: Wehlaberg 170m asl (Krausnicker Berge)

Maidenhead
[JO62vb63dw](#)



DL7VTX' Standort

750 W, 50 V, 1200 to 1400 MHz RF power LDMOS transistor



Features

Order code	Frequency	V _{DD}	P _{OUT}	Gain	Efficiency
RF5L1214750CB4	1300 MHz	50 V	750 W	15 dB	53%

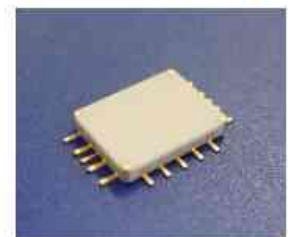
- High efficiency and linear gain operations
- Integrated ESD protection
- Internally matched pair transistors in push-pull configuration
- Large positive and negative gate-source voltage range for improved class C operation

neuer 750W-PA-Transistor für 23cm



SMM5855V1D

K-Band Power Amplifier MMIC



FEATURES

- High Output Power: P_{out}=33dBm (typ.)
- Linear Gain: G_L=25dB (typ.)
- Frequency Band: 21.2 to 23.6GHz
- Impedance Matched Z_{in}/Z_{out}=50ohm
- Integrated Power Detector
- Small Hermetic Metal-Ceramic SMT Package(V1D)

DESCRIPTION

The SMM5855V1D is a MMIC amplifier that contains a four-stages amplifier, internally matched, for standard communications band in the 21.2 to 23.6 GHz frequency range.

Sumitomo stringent Quality Assurance Program assures the highest reliability and consistent performance.

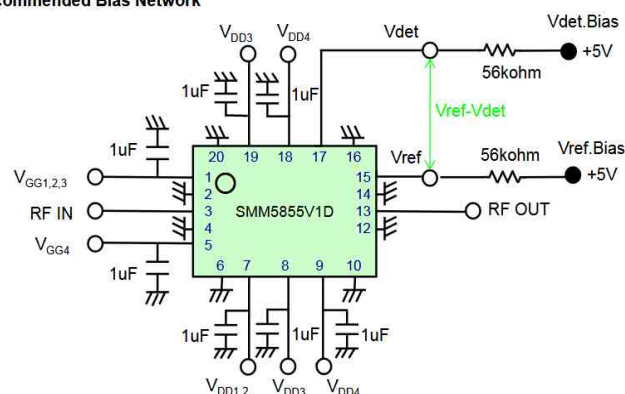
ABSOLUTE MAXIMUM RATING

Item	Symbol	Rating	Unit
Drain-Source Voltage	V _{DD}	10	V
Gate-Source Voltage	V _{GG}	-3	V
Input Power	P _{IN}	23	dBm
Output Power at used Detector	P _{OUT}	Up to 34	dBm
Storage Temperature	T _{stg}	-55 to +125	deg.C

RECOMMENDED OPERATING CONDITIONS

Item	Symbol	Recommend	Unit
Drain-Source Voltage	V _{DD}	Up to 6	V
Input Power	P _{IN}	Up to 14	dBm
Detective Power Level used Detector	P _{OUT}	-2 to 30	dBm
Operating Case Temperature	T _c	-40 to +85	deg.C

Recommended Bias Network



2W-MMIC auf 24 GHz

DUR – Jahreswertung 2023

DM4SWL	4813	4986	9034	6131	8982	16650	14238	12481	17886	0	0	0	95201
9A6K	3129	3951	6126	6783	5905	15662	4985	10386	7815	0	0	0	64742
DL1WU	0	0	0	2905	8982	16650	5007	12481	17886	0	0	0	63911
HA5HY	3897	6757	6285	5042	9260	7779	5901	8852	8375	0	0	0	62148
DM2MM	1804	1978	3048	0	4237	9650	5430	8445	10094	0	0	0	44686
DL1DUR	0	0	4704	3567	5586	11556	5124	3789	5778	0	0	0	40104
DL1ATI	0	0	0	0	0	16668	7194	8778	5895	0	0	0	38535
DG2DWL	2222	2501	3501	2877	2771	12509	3492	4101	4229	0	0	0	38203
DL1DSR	4813	0	9034	0	5096	0	0	0	17886	0	0	0	36829
DL7UDA	1386	984	3204	2550	0	0	5110	8445	10094	0	0	0	31773
DG1VC	0	2307	84	2454	4593	8856	4194	3636	180	0	0	0	26304
HA2ML	1810	2629	3399	1100	3868	8323	1363	2925	0	0	0	0	25417
YO3GNF	442	133	1271	633	4838	6668	1385	1470	3045	0	0	0	19885
DG0VV	3479	3557	0	0	0	12727	0	0	0	0	0	0	19763
9A8D	0	1933	3153	0	3147	6088	0	1851	2175	0	0	0	18347
DH5YM	0	0	0	0	3032	4767	5411	2968	2034	0	0	0	18212
HG7F	0	0	0	0	0	15607	0	0	0	0	0	0	15607
DH1DM	0	0	0	1984	0	12509	0	0	0	0	0	0	14493
YO3FWL	516	194	1296	524	2538	2870	1446	3119	1833	0	0	0	14336
DG1RTV	0	0	1923	0	0	0	2100	4760	5213	0	0	0	13996
DL4DTU	7397	6452	0	0	0	0	0	0	0	0	0	0	13849
DM2EUN	78	30	2175	519	2711	0	2386	2397	3207	0	0	0	13503
DL2XF	1211	1156	0	2334	2627	1204	2263	2552	0	0	0	0	13347
DH3NAN	0	0	0	2416	0	9595	0	0	0	0	0	0	12011
DL2DRG	0	597	3381	2967	1932	0	87	0	2904	0	0	0	11868
DL3VTA	0	0	0	0	0	0	0	9696	0	0	0	0	9696
DL1DVP	0	0	0	0	0	0	0	9696	0	0	0	0	9696
DL1JIF	0	756	961	639	1359	1006	684	901	967	0	0	0	7273
DL6AST	1112	390	0	0	1193	510	0	2132	1904	0	0	0	7241
HA3FMR	0	0	0	0	1542	0	1151	2633	1601	0	0	0	6927
DO1UKA	0	0	249	0	504	1020	525	768	3321	0	0	0	6387
DL2HSC	0	80	522	105	0	2492	1250	544	986	0	0	0	5979
DM3F	0	0	0	0	0	2647	1672	0	1092	0	0	0	5411
YO7BM	0	0	1533	0	2707	436	98	0	0	0	0	0	4774
YO9AYN	727	191	1413	368	946	449	115	0	331	0	0	0	4540
DM2AFN	0	418	560	131	0	1198	0	2079	0	0	0	0	4386
DL1DWM	0	0	0	0	0	3480	846	0	0	0	0	0	4326
YO8ENF	0	133	998	0	1035	2128	0	0	0	0	0	0	4294
DL3VL	0	0	0	0	0	0	0	4168	0	0	0	0	4168
DL6UMR	0	0	0	0	0	3480	0	0	0	0	0	0	3480
DL6UET	0	0	0	0	0	3480	0	0	0	0	0	0	3480
DH0DK	342	150	570	800	0	644	296	0	656	0	0	0	3458
9A1I	0	552	603	407	418	599	255	218	305	0	0	0	3357
DG0LCR	0	0	831	0	1327	0	0	1015	0	0	0	0	3173
DL7UGZ	0	0	0	0	0	0	0	0	3129	0	0	0	3129
DO4HZ	0	0	0	1410	1510	0	0	0	0	0	0	0	2920
YO8RHM	0	0	0	0	0	0	0	0	2898	0	0	0	2898
DL0ZI	0	0	0	0	0	0	0	0	2856	0	0	0	2856
YO3GJ	108	16	0	0	676	0	1345	0	550	0	0	0	2695
DJ5AM	0	0	595	0	1165	0	0	0	921	0	0	0	2681
YO7FWS	0	0	0	0	0	864	981	0	423	0	0	0	2268
DL6DVU	0	682	486	0	0	304	482	0	108	0	0	0	2062
DC5IMM	0	0	328	674	0	0	0	992	0	0	0	0	1994
YO7AQF	0	0	0	0	0	434	906	228	0	0	0	0	1568
DM3F	0	0	0	0	1545	0	0	0	0	0	0	0	1545
YO7CW	0	0	1533	0	0	0	0	0	0	0	0	0	1533
DL1DXA	0	0	0	0	0	1360	0	0	0	0	0	0	1360
YO8OY	0	0	0	0	0	0	0	900	417	0	0	0	1317
DL7VTX	0	0	0	0	0	0	0	0	1230	0	0	0	1230
DL2JCD	0	0	0	0	0	0	847	250	0	0	0	0	1097
YO3CBS	0	0	0	0	0	0	1083	0	0	0	0	0	1083
DL8WQQ	102	95	95	167	95	200	95	95	95	0	0	0	1039
DF0MTL	102	95	95	167	95	200	95	95	95	0	0	0	1039
YO8SSB	0	0	0	0	0	0	0	0	1032	0	0	0	1032
YO8CLN	0	0	0	0	0	0	0	0	1032	0	0	0	1032
YO3DAX	0	0	1028	0	0	0	0	0	0	0	0	0	1028
YO3GWM	0	0	0	0	0	0	1008	0	0	0	0	0	1008
DJ2DA	923	0	0	0	0	0	0	0	0	0	0	0	923
DL5DRM	0	0	0	0	786	0	0	0	0	0	0	0	786
DL3MR	0	0	128	93	267	0	72	0	0	0	0	0	560
DK5MG	0	0	548	0	0	0	0	0	0	0	0	0	548
9A1CRJ	0	0	0	0	0	0	490	16	0	0	0	0	506
YR8D	0	0	0	0	0	0	0	481	0	0	0	0	481
DM6JKC	0	0	0	0	0	0	112	0	364	0	0	0	476
YO3CYR	0	0	0	0	0	0	42	369	0	0	0	0	411
DL6AKK	0	0	0	0	0	0	0	354	0	0	0	0	354
YO3VK	289	0	0	0	0	0	0	0	0	0	0	0	289
YO2YA	0	0	0	0	0	195	0	0	0	0	0	0	195
YR7J	0	0	0	98	0	0	0	0	0	0	0	0	98

Nächster DUR - Wettbewerb am 15.10.2023: 08⁰⁰- 11⁰⁰ UTC
- doppelte Punkte für 9cm-QSOs & Crossb. 9cm-RX/13cm od. 6cm-TX-