

280209

Dette er en underside til:

<http://oz1cys.qrz.dk>

Jeg har sat en vertikalt loop antenne op . Den er beregnet til 40m som laveste bånd..

I første omgang blev den brugt uden balun. Der er nu monteret en balun 1:2

Den er testet med en minivna analyser.

Det viser sig at antennen kan køre på flere bånd uden brug af ret meget antennetuner.

Antennen dækker følgende bånd uden brug af tuner:

40m, 20m, 17m,

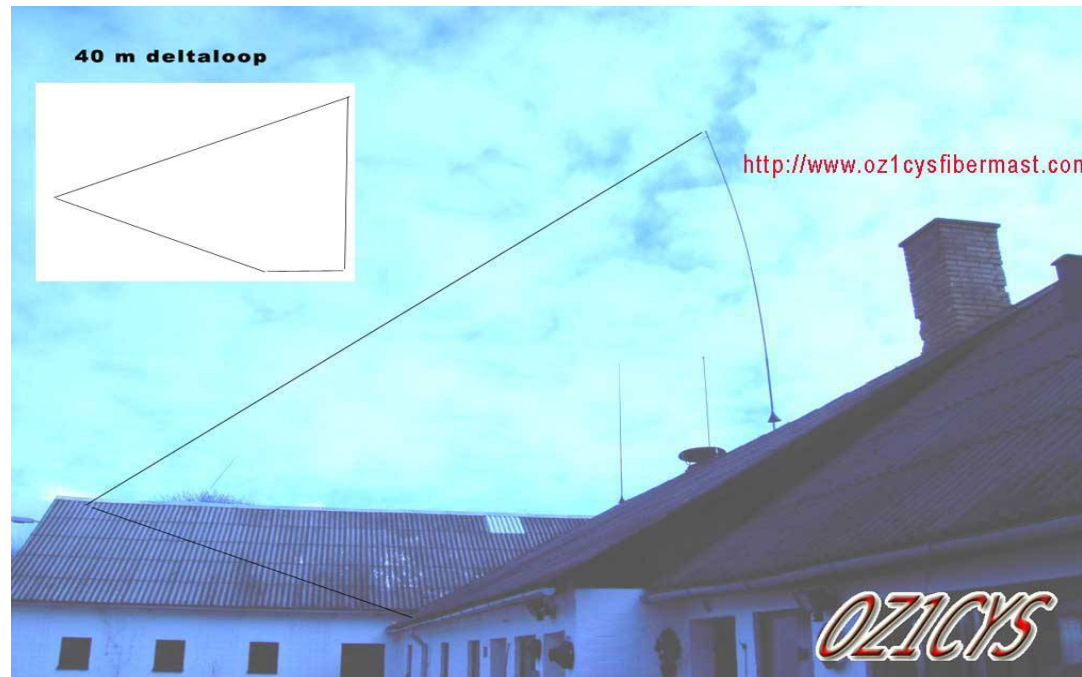
Med den, i stationen indbyggede tuner kan du bruge hele 15m, 12m, 10m

Antennen kræver ikke meget plads kun få kvadratmeter.

Loopets form, fødepunktets placering, højde over jorden bør ikke afholde dig fra at prøve.

Her kan du læse mere om loopantenner. Samt få en formel til udregning:

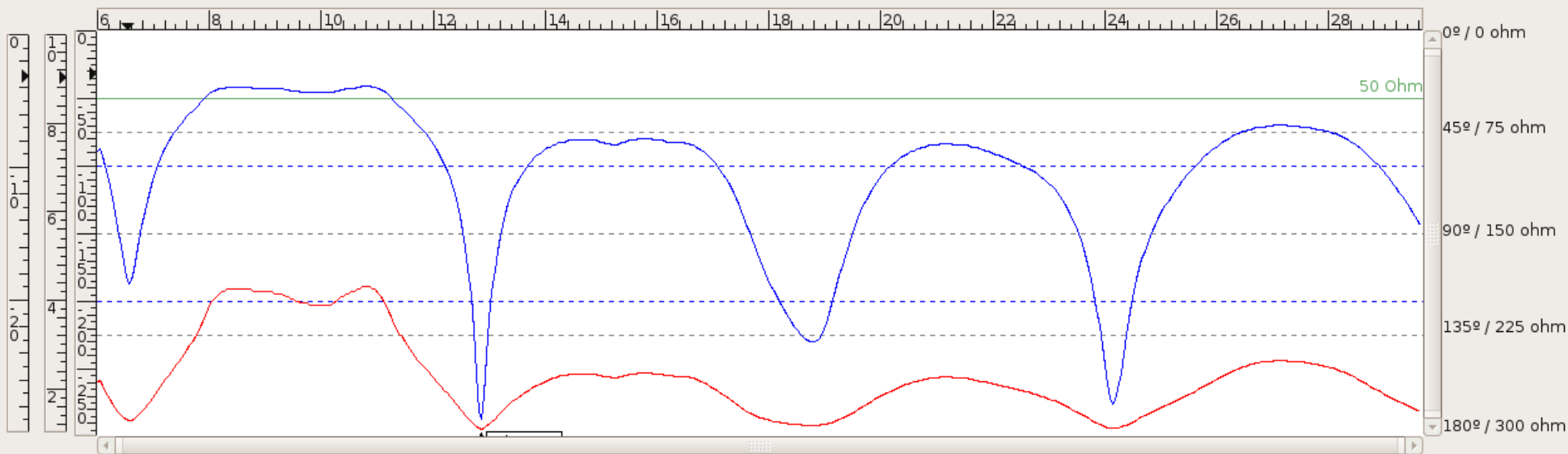
<http://www.verdensnavle.dk/hamlinks.html#loop>





R.L. SWR Ø

PHASE/X-R-Z



FREQUENCY SWEEP LIMITS

29.700001 Mhz (max) Samples 500  
 6.000000 Mhz (min) **RUN**

LINE ENABLE

SWR Phase R.L. / dB |Xs| / ohm Rs / ohm |Z| / ohm

MARKERS

<input checked="" type="checkbox"/> Single marker	SWR	PHASE	RETURN LOSS	Xs	Rs	Z	X->L	X->C	Rp	Xp	
MK1	<b>0.000000</b>	2.36	131.4	-7.85	17.87	24.59	30.40	0.06	178.0	37.58	51.70

Minimum SWR

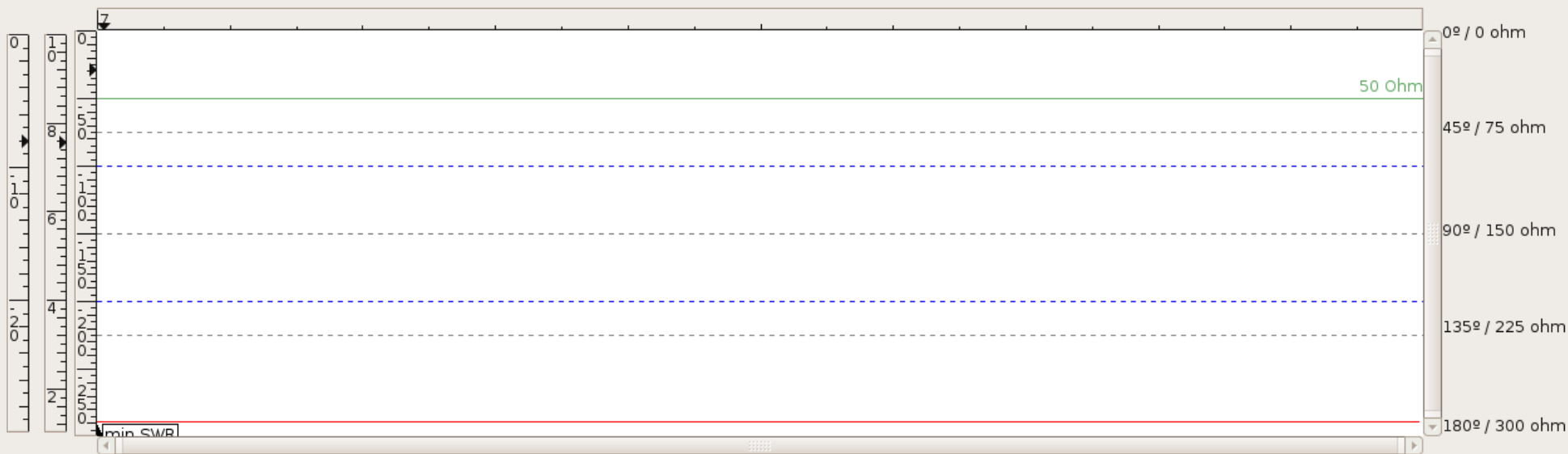
SWR	<b>2.873000</b>	1.08	115.1	-28.7	3.22	48.36	48.47	0.04	3845.	48.57	730.5
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HOLD



R.L. SWR Ø

PHASE/X-R-Z



FREQUENCY SWEEP LIMITS

7.200000 Mhz (max) Samples 500

7.000000 Mhz (min) **RUN**

LINE ENABLE

SWR Phase R.L. / dB |Xs| / ohm Rs / ohm |Z| / ohm

MARKERS

Single marker

Marker	SWR	PHASE	RETURN LOSS	Xs	Rs	Z	X->L	X->C	Rp	Xp	
MK1	7.000000	1.22	0.00	20.16	0.01	60.89	60.89	0.00	2273	60.89	3707

Minimum SWR

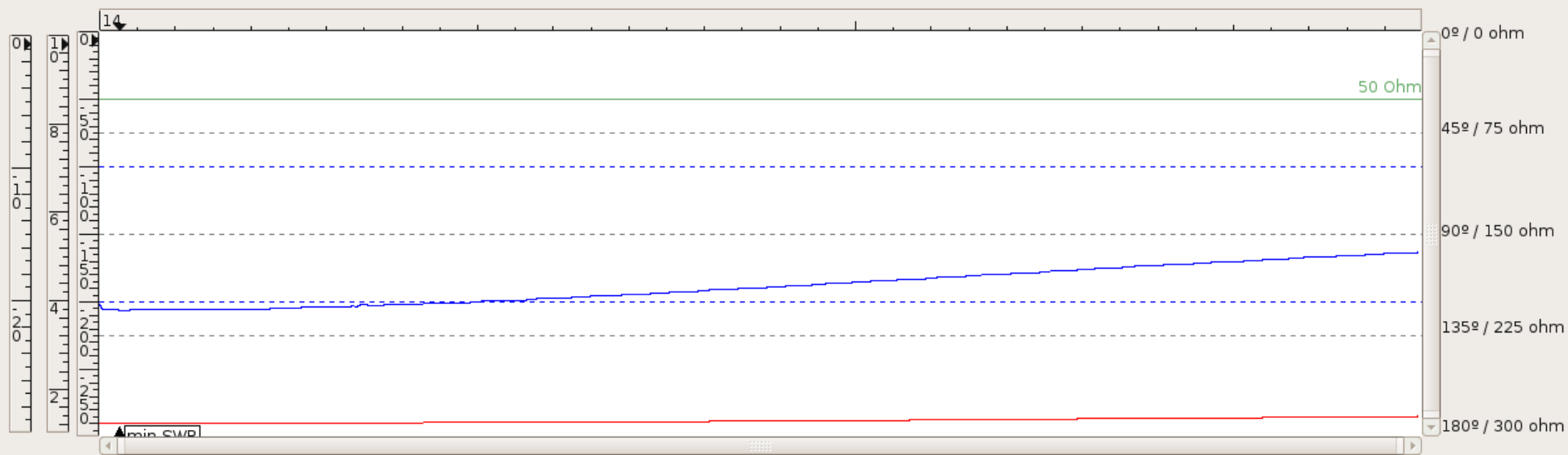
SWR	7.000000	1.22	0.00	20.16	0.01	60.89	60.89	0.00	2273	60.89	3707
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HOLD



R.L. SWR Ø

PHASE/X-R-Z



FREQUENCY SWEEP LIMITS

14.350000 Mhz (max) Samples 500

14.000000 Mhz (min) **RUN**

LINE ENABLE

SWR	Phase	R.L. / dB	Xs  / ohm	Rs / ohm	Z  / ohm
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

MARKERS

Single marker

	SWR	PHASE	RETURN LOSS	Xs	Rs	Z	X->L	X->C	Rp	Xp
<input checked="" type="checkbox"/> MK1 <b>7.000000</b>	1.22	0.00	20.16	0.01	60.89	60.89	0.00	2273	60.89	3707

Minimum SWR

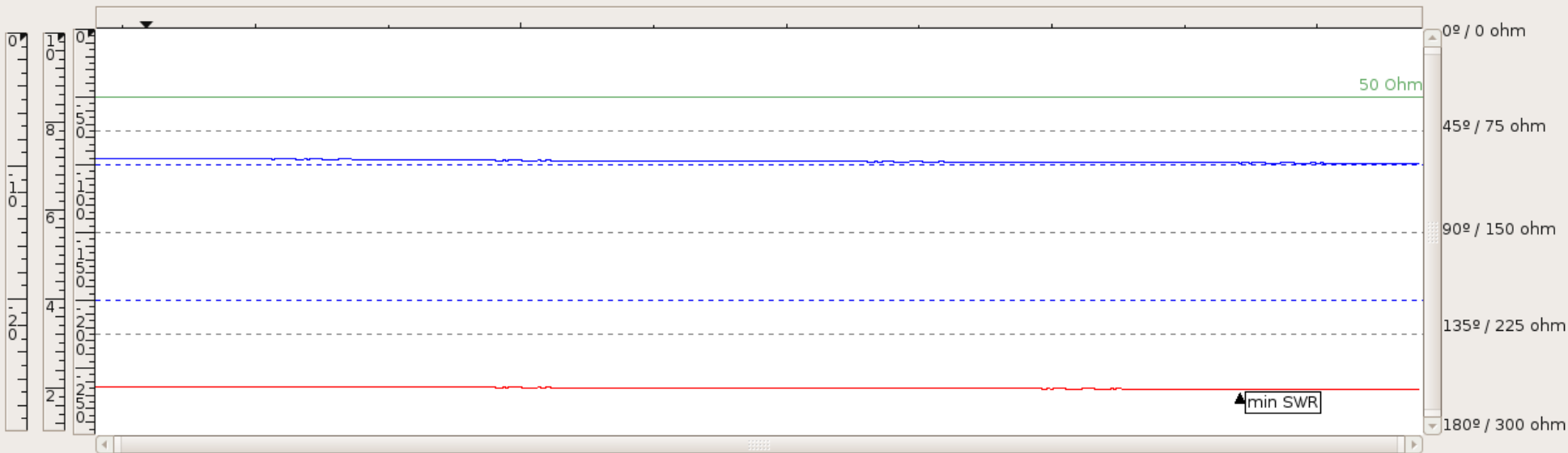
<input checked="" type="checkbox"/> SWR <b>4.005600</b>	1.20	116.0	-20.6	7.62	45.49	46.13	0.09	1490	46.77	279.1
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HOLD



R.L. SWR Ø

PHASE/X-R-Z



FREQUENCY SWEEP LIMITS

18.167999 Mhz (max) Samples 500  
 18.068001 Mhz (min) **RUN**

LINE ENABLE

SWR Phase R.L. / dB |Xs| / ohm Rs / ohm |Z| / ohm

MARKERS

Single marker

	SWR	PHASE	RETURN LOSS	Xs	Rs	Z	X->L	X->C	Rp	Xp	
MK1	<b>7.000000</b>	1.22	0.00	20.16	0.01	60.89	60.89	0.00	2273	60.89	3707

Minimum SWR

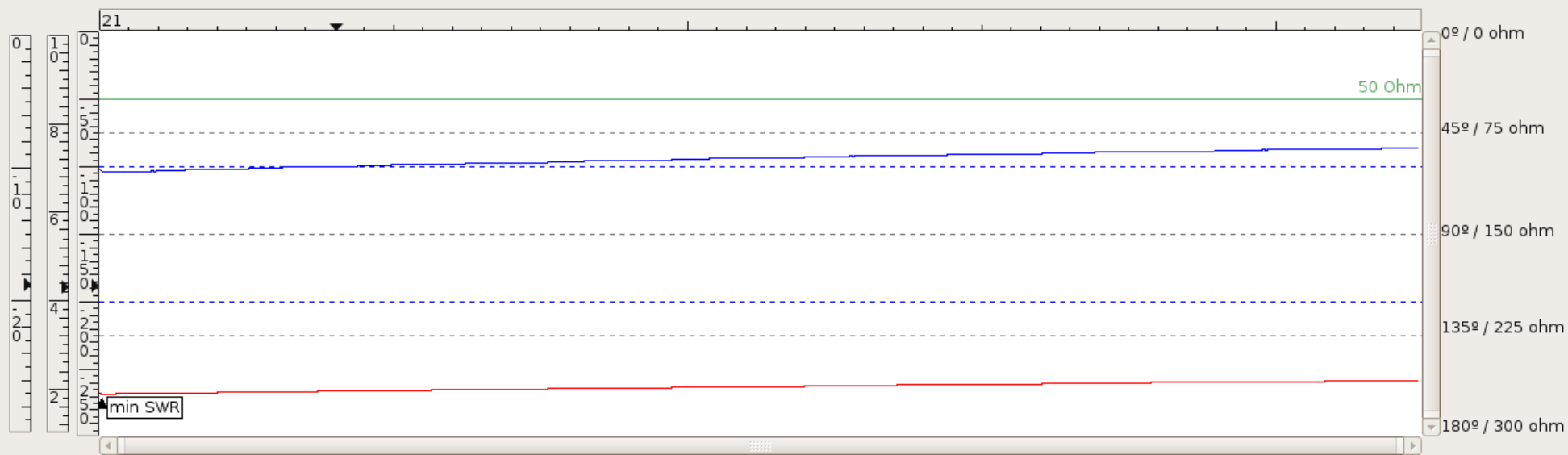
SWR	<b>8.154199</b>	1.93	174.6	-9.96	1.71	25.93	25.99	0.01	5130	26.05	395.2
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HOLD



R.L. SWR Ø

PHASE/X-R-Z



FREQUENCY SWEEP LIMITS

21.450001 Mhz (max) Samples 500  
 21.000000 Mhz (min) **RUN**

LINE ENABLE

SWR Phase R.L. / dB |Xs| / ohm Rs / ohm |Z| / ohm

MARKERS

Single marker

	SWR	PHASE	RETURN LOSS	Xs	Rs	Z	X->L	X->C	Rp	Xp	
MK1	<b>7.000000</b>	1.22	0.00	20.16	0.01	60.89	60.89	0.00	2273	60.89	3707

Minimum SWR

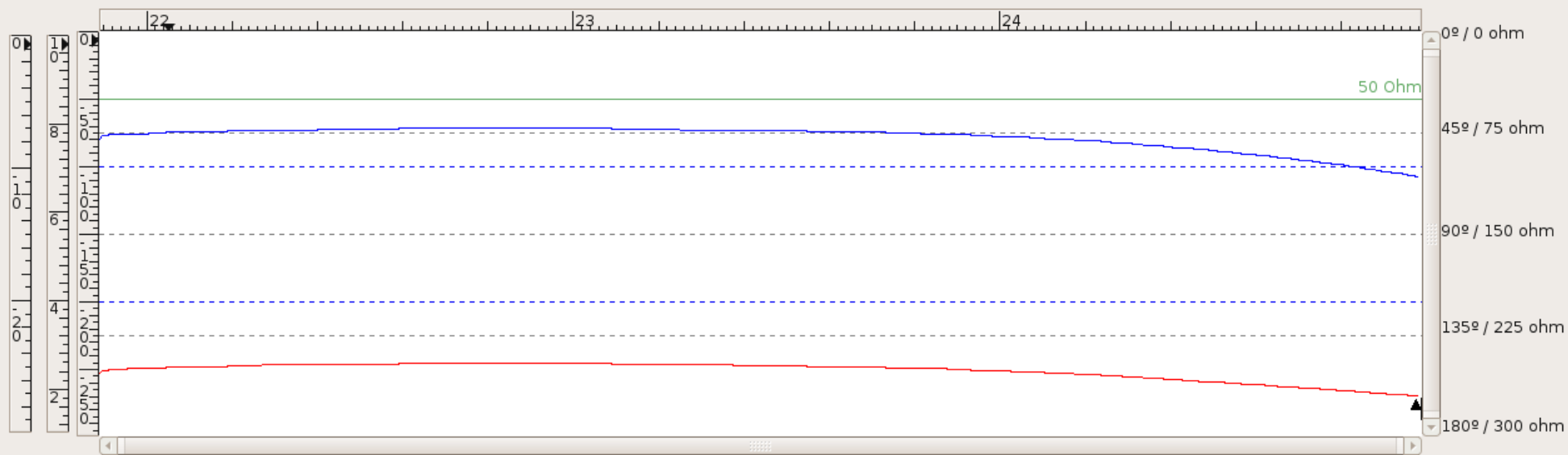
SWR	<b>1.000900</b>	1.86	8.93	-10.4	9.42	91.69	92.17	0.07	804.8	92.66	902.2
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**HOLD**



R.L. SWR Ø

PHASE/X-R-Z



FREQUENCY SWEEP LIMITS

24.990000 Mhz (max) Samples 500  
 21.889999 Mhz (min) **RUN**

LINE ENABLE

SWR Phase R.L. / dB |Xs| / ohm Rs / ohm |Z| / ohm

MARKERS

Single marker

	SWR	PHASE	RETURN LOSS	Xs	Rs	Z	X->L	X->C	Rp	Xp	
MK1	<b>7.000000</b>	1.22	0.00	20.16	0.01	60.89	60.89	0.00	2273	60.89	3707

Minimum SWR

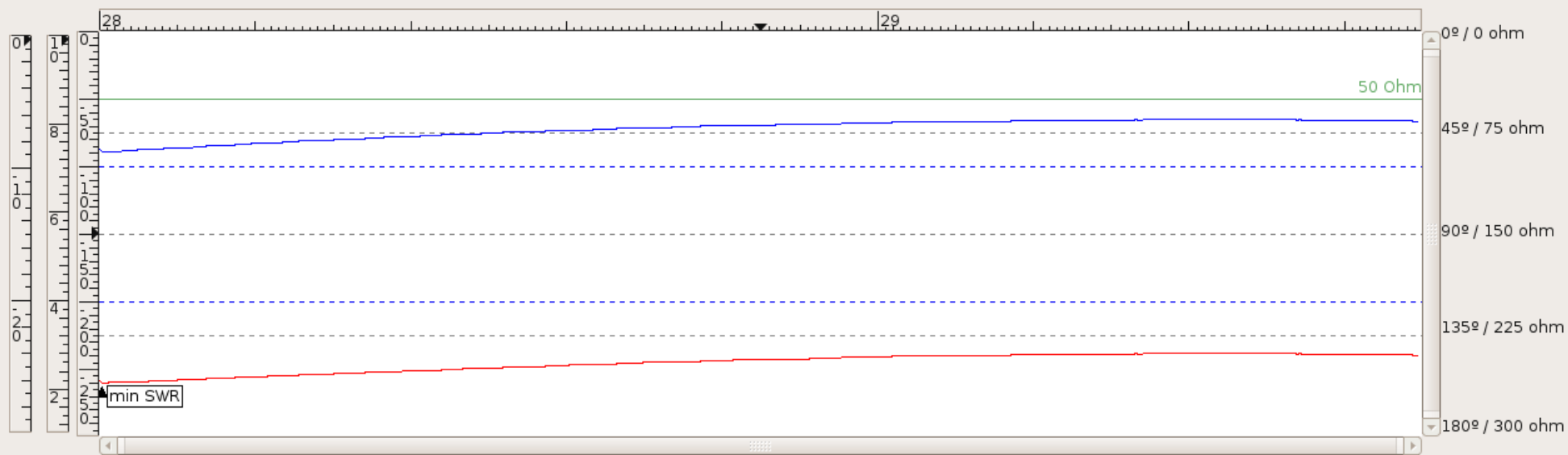
SWR	<b>4.977600</b>	1.81	163.1	-10.7	5.13	28.00	28.46	0.03	1241	28.94	157.8
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**HOLD**



R.L. SWR Ø

PHASE/X-R-Z



FREQUENCY SWEEP LIMITS

29.700001 Mhz (max) Samples 500

28.000000 Mhz (min) **RUN**

LINE ENABLE

SWR Phase R.L. / dB |Xs| / ohm Rs / ohm |Z| / ohm

MARKERS

Single marker

	SWR	PHASE	RETURN LOSS	Xs	Rs	Z	X->L	X->C	Rp	Xp
MK1 <b>7.000000</b>	1.22	0.00	20.16	0.01	60.89	60.89	0.00	2273	60.89	3707

Minimum SWR

<b>SWR 8.003400</b>	2.11	49.88	-8.96	40.80	65.38	77.06	0.23	139.3	90.84	145.5
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**HOLD**