Multiband Asymmetrical Dipole Antennas

The publications devoted to memory UR0GT.

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Asymmetrical dipole for 80/40/20/10- meter bands is shown on the **Figure 1**.

The MMANA model of the Asymmetrical dipole for 80/40/20/10- meter bands may be loaded: http://www.antentop.org/014/dipole_014.htm

Asymmetrical dipole for 80/40/20/15/10- meter bands is shown on the **Figure 2**.

The MMANA model of the Asymmetrical dipole for 80/40/20/10- meter bands may be loaded: http://www.antentop.org/014/dipole_014.htm

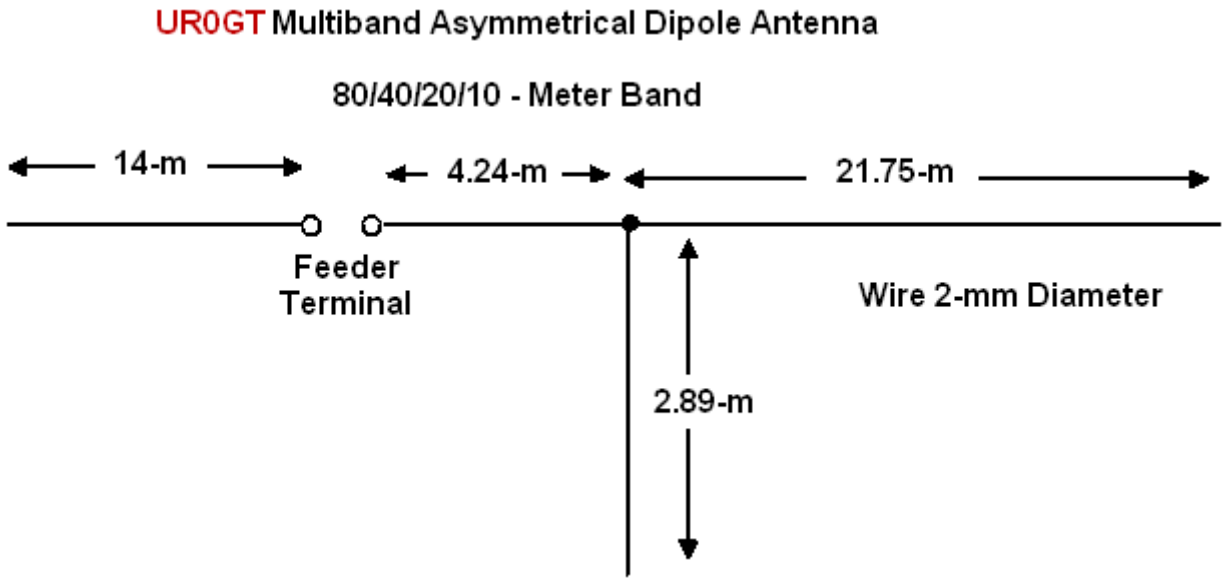


Figure 1 Asymmetrical dipole for 80/40/20/10- meter bands

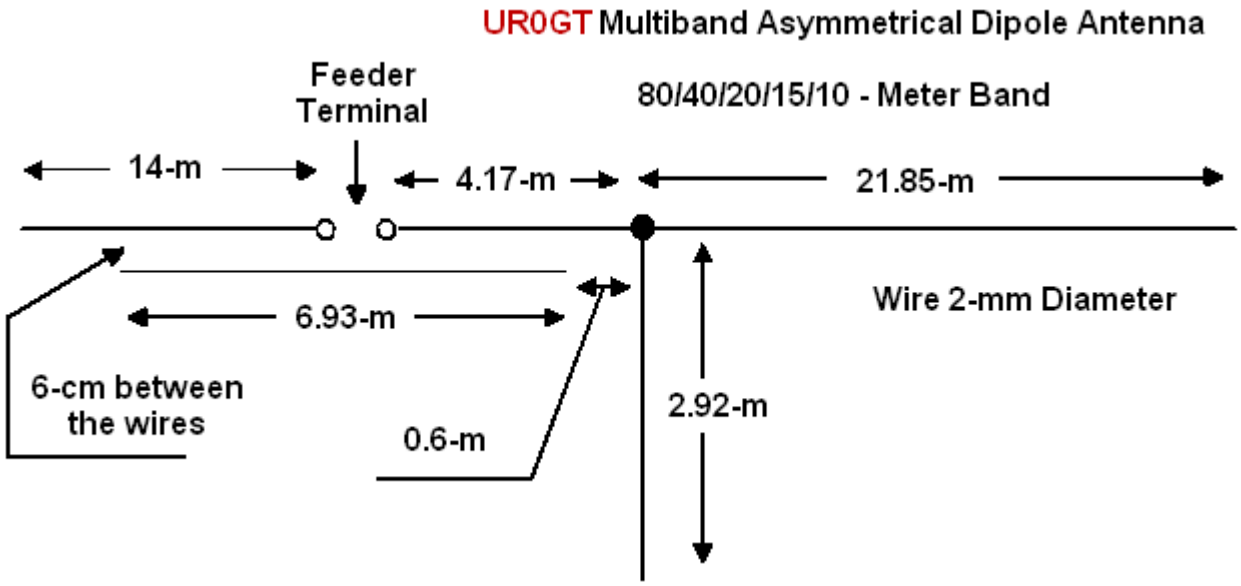


Figure 2 Asymmetrical dipole for 80/40/20/10- meter bands

Parameters for the antennas are shown below. The data were got at the antenna placed at 20 meters above a real ground.

To match the antenna with coaxial cable 50- Ohm it is need transformer 1:3 or may be 1:4 to improve the efficiency at the 10- meter Band.

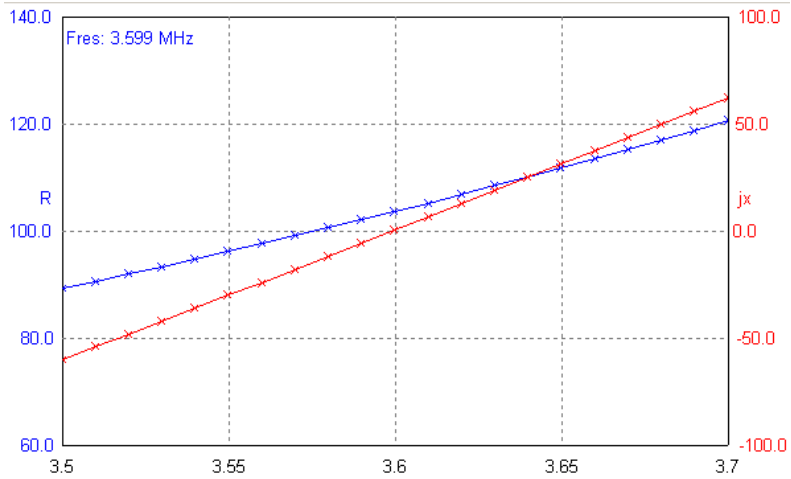


Figure 3 Z of the Asymmetrical dipole for 80/40/20/10- meter bands at 80 meter Band

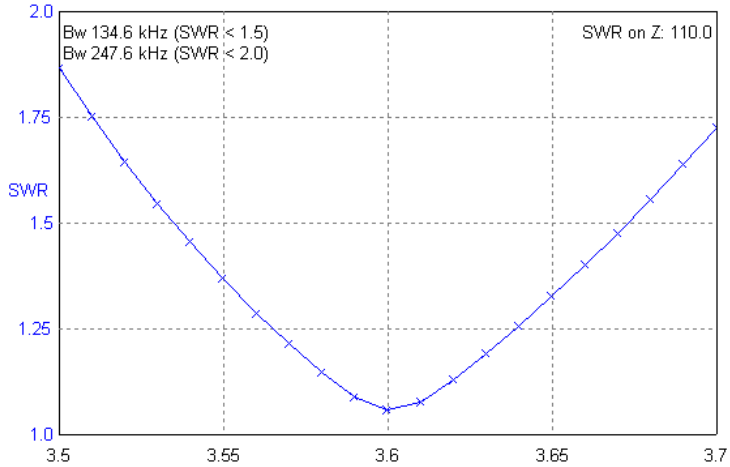


Figure 4 SWR of the Asymmetrical dipole for 80/40/20/10- meter bands at 80 meter Band

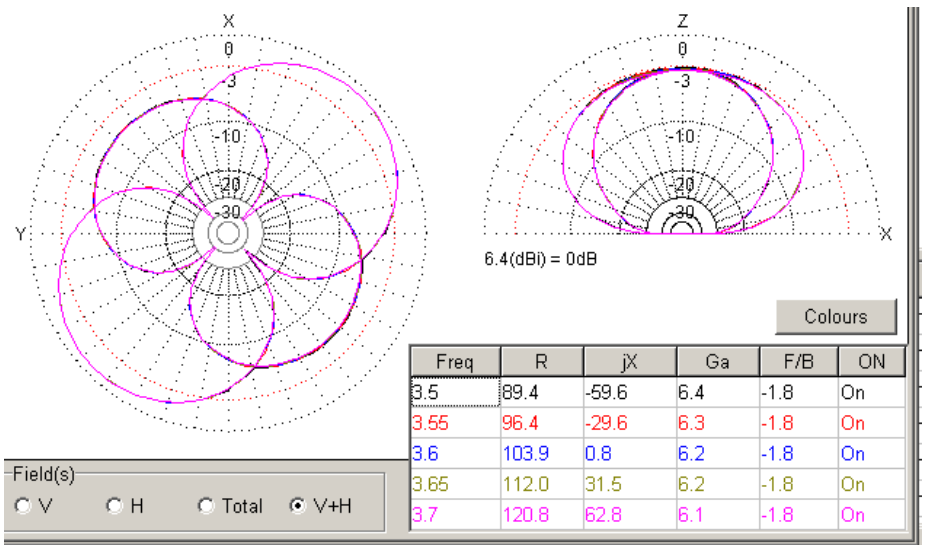


Figure 5 DD of the Asymmetrical dipole for 80/40/20/10- meter bands at 80 meter Band

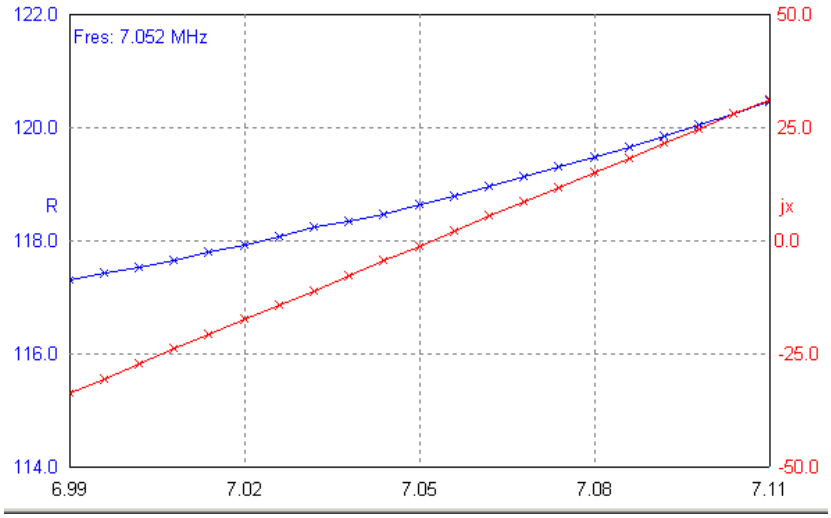


Figure 6 Z of the Asymmetrical dipole for 80/40/20/10- meter bands at 40 meter Band

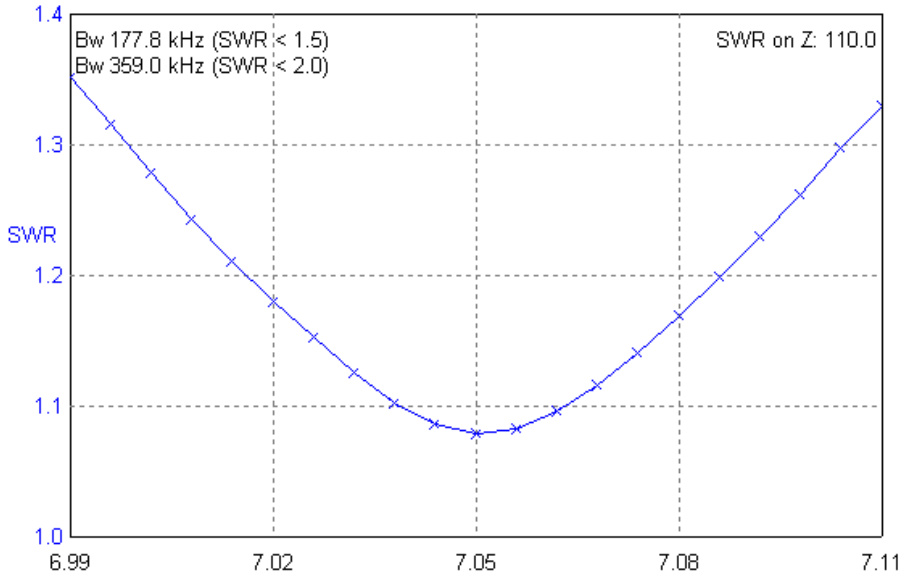


Figure 7 SWR of the Asymmetrical dipole for 80/40/20/10- meter bands at 40 meter Band

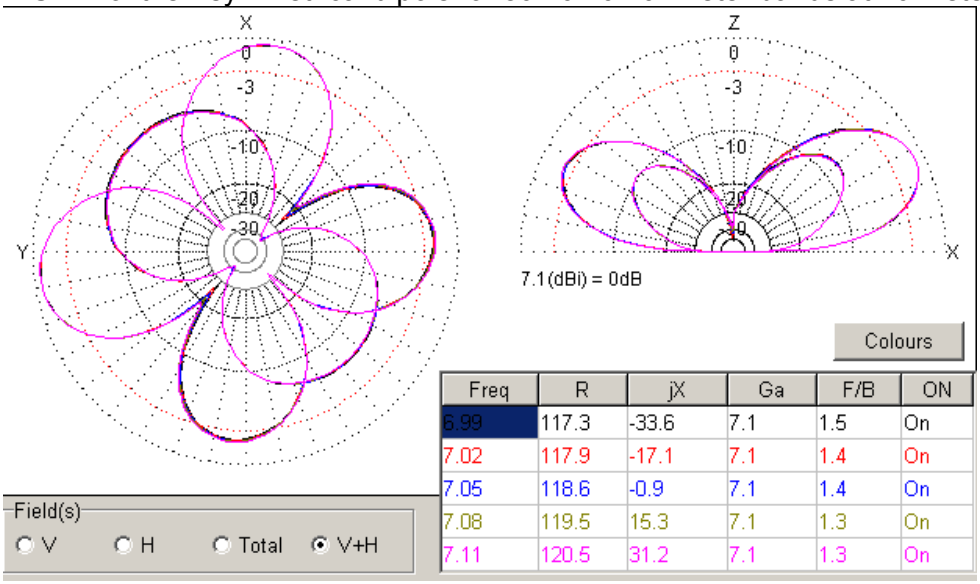


Figure 8 DD of the Asymmetrical dipole for 80/40/20/10- meter bands at 40 meter Band

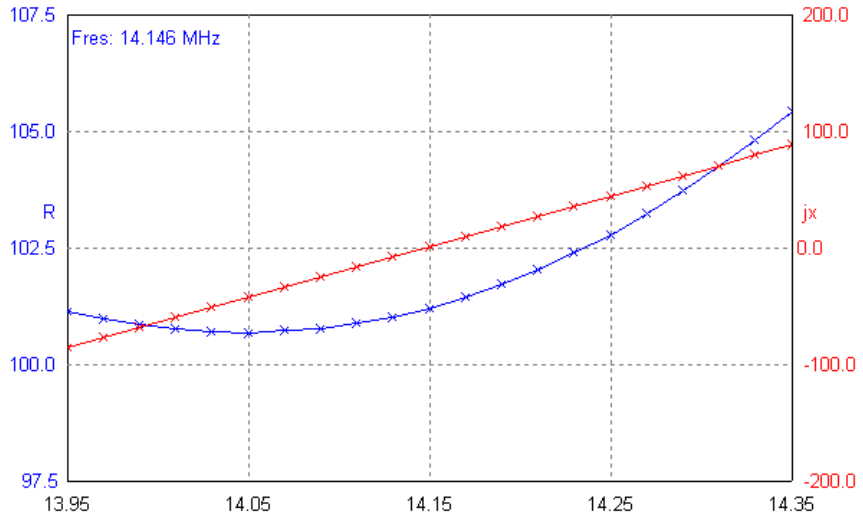


Figure 9 Z of the Asymmetrical dipole for 80/40/20/10- meter bands at 20 meter Band

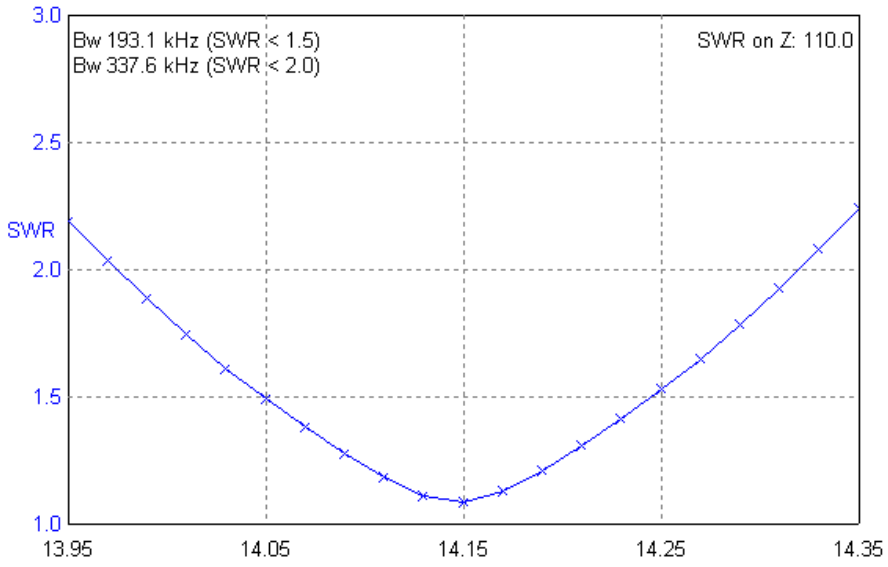


Figure 10 SWR of the Asymmetrical dipole for 80/40/20/10- meter bands at 20 meter Band

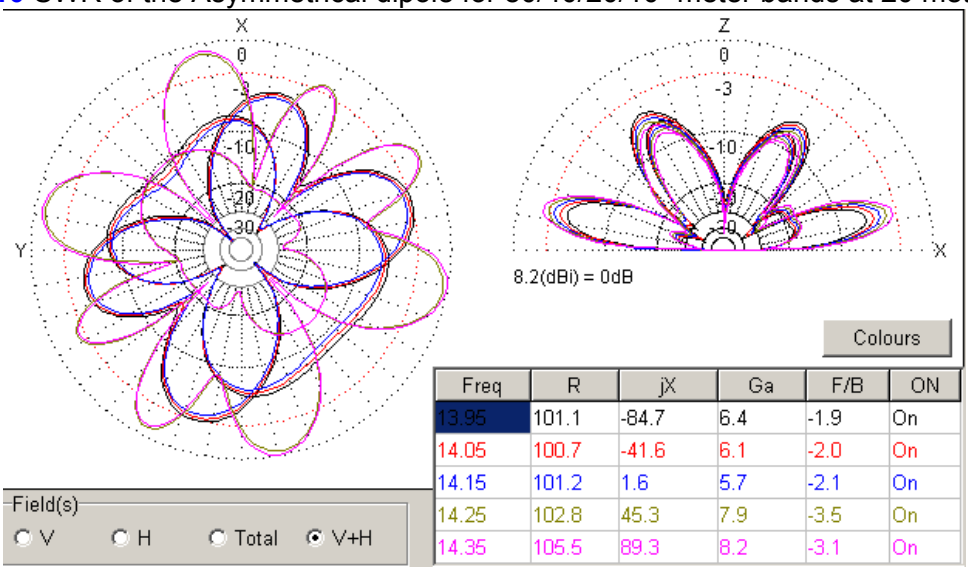


Figure 11 DD of the Asymmetrical dipole for 80/40/20/10- meter bands at 20 meter Band

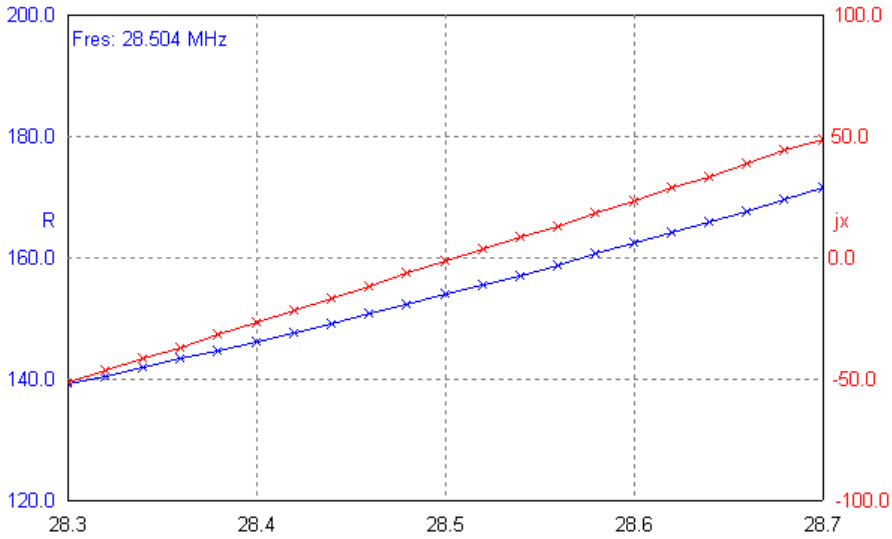


Figure 12 Z of the Asymmetrical dipole for 80/40/20/10- meter bands at 10 meter Band

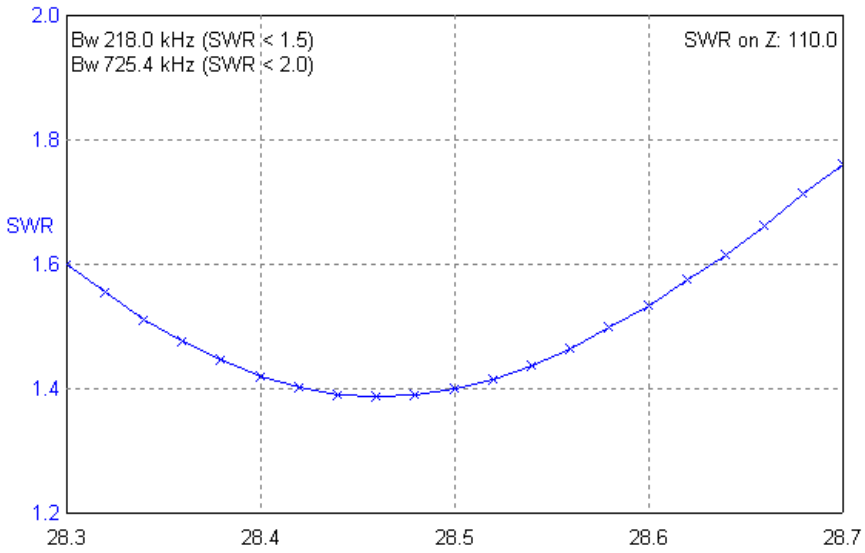


Figure 13 SWR of the Asymmetrical dipole for 80/40/20/10- meter bands at 10 meter Band

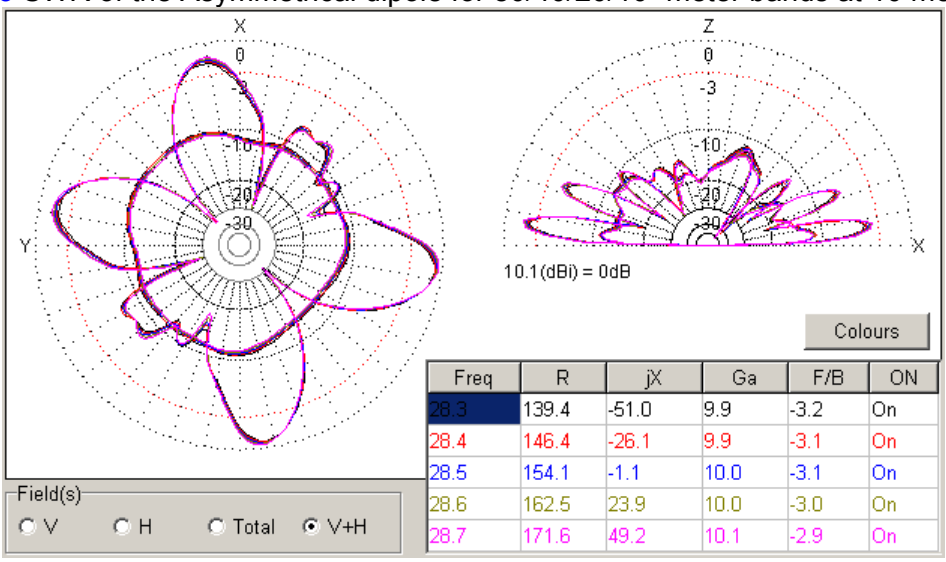


Figure 14 DD of the Asymmetrical dipole for 80/40/20/10- meter bands at 10 meter Band

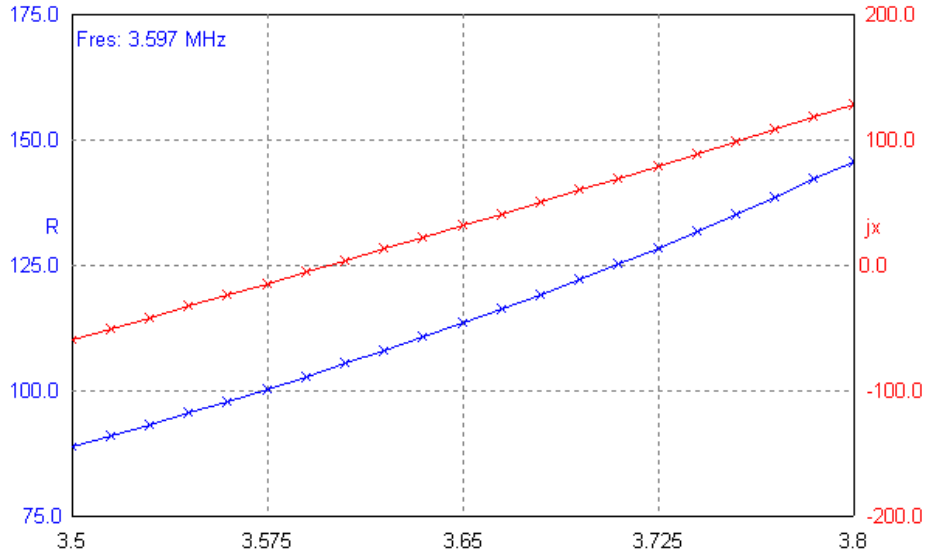


Figure 12 Z of the Asymmetrical dipole for 80/40/20/15/10- meter bands at 80 meter Band

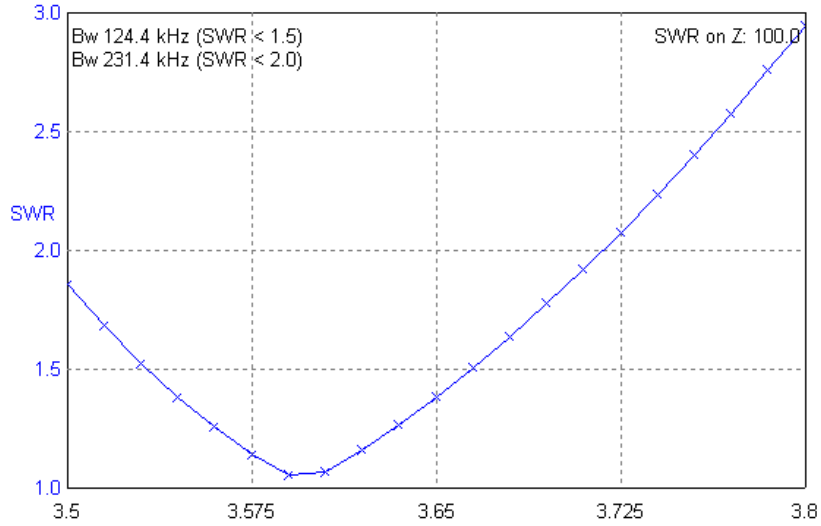
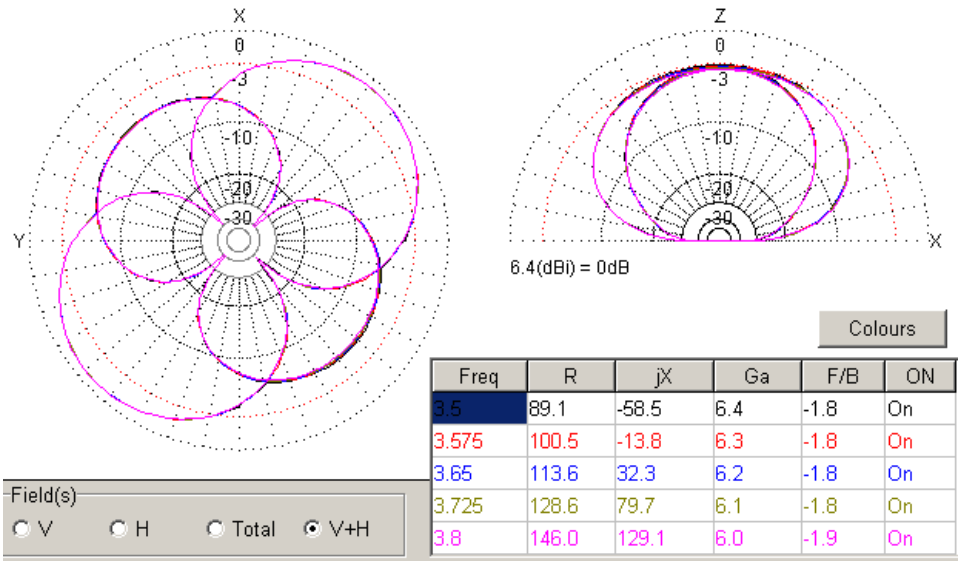


Figure 13 SWR of the Asymmetrical dipole for 80/40/20/15/10- meter bands at 80 meter Band



Freq	R	jX	Ga	F/B	ON
3.5	89.1	-58.5	6.4	-1.8	On
3.575	100.5	-13.8	6.3	-1.8	On
3.65	113.6	32.3	6.2	-1.8	On
3.725	128.6	79.7	6.1	-1.8	On
3.8	146.0	129.1	6.0	-1.9	On

Figure 14 DD of the Asymmetrical dipole for 80/40/20/15/10- meter bands at 80 meter Band

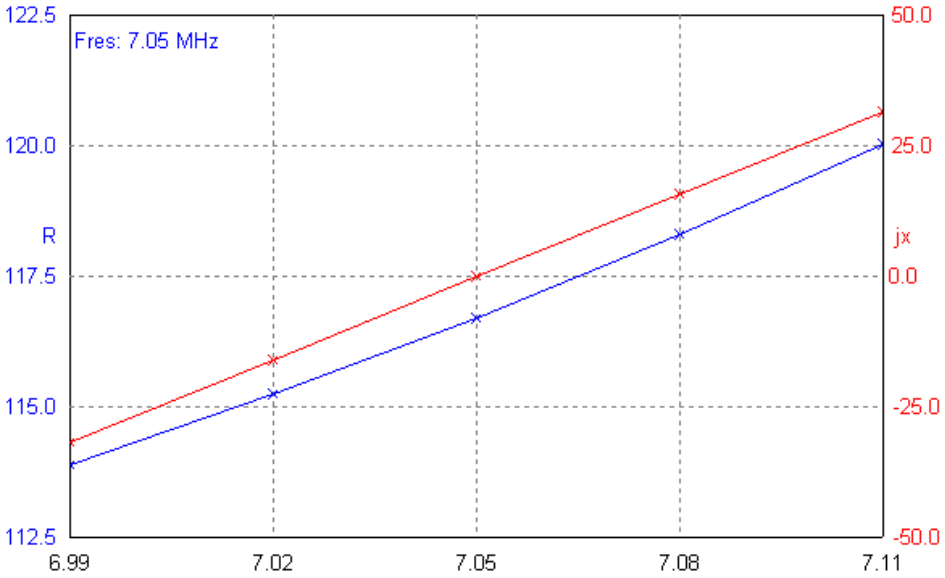


Figure 15 Z of the Asymmetrical dipole for 80/40/20/15/10- meter bands at 40 meter Band

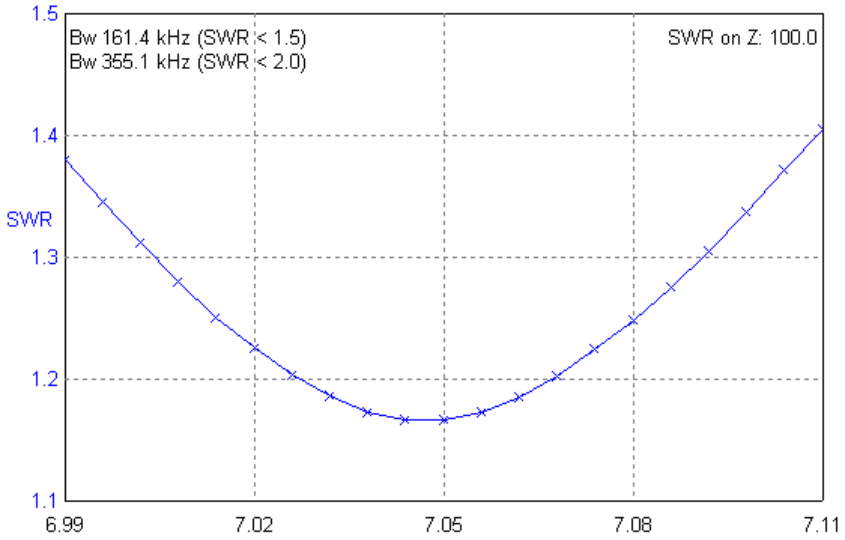


Figure 16 SWR of the Asymmetrical dipole for 80/40/20/15/10- meter bands at 40 meter Band

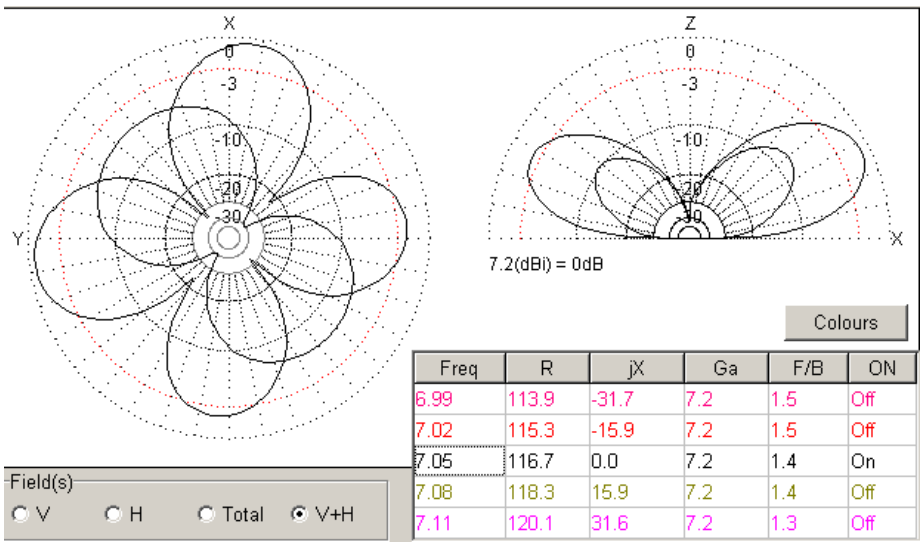


Figure 17 DD of the Asymmetrical dipole for 80/40/20/15/10- meter bands at 40 meter Band

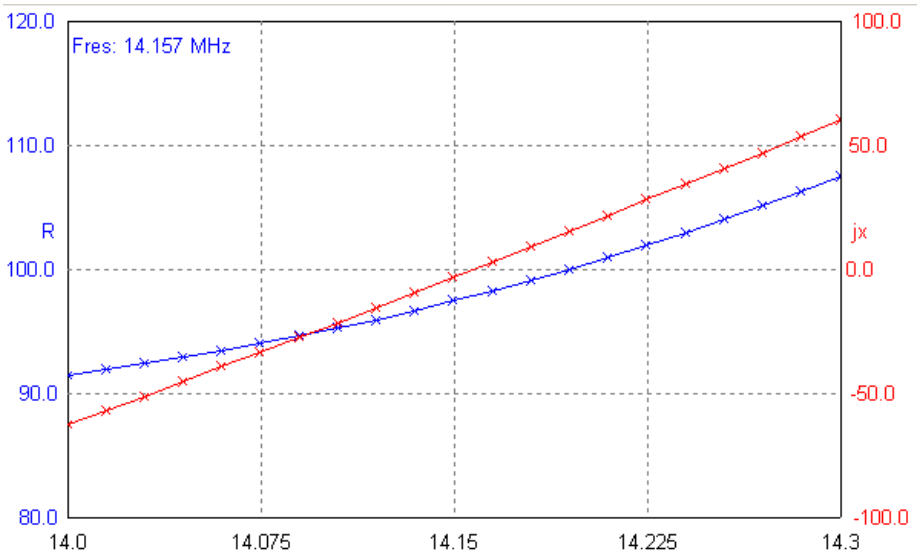


Figure 18 Z of the Asymmetrical dipole for 80/40/20/15/10- meter bands at 20 meter Band

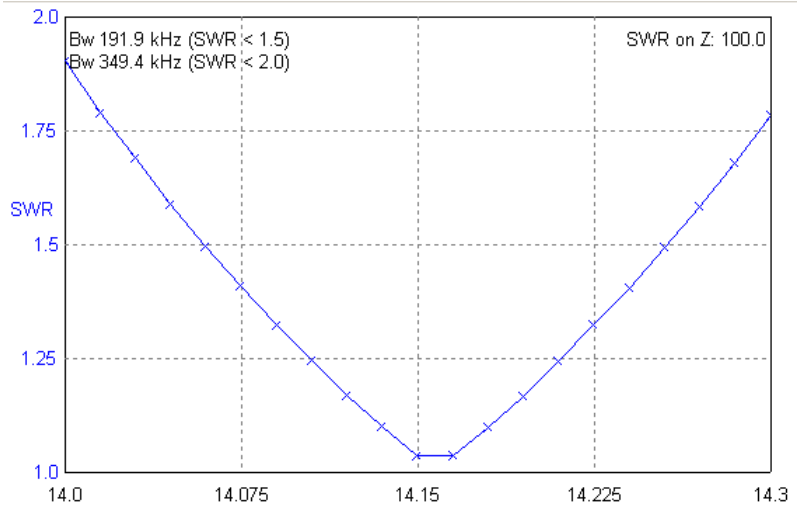
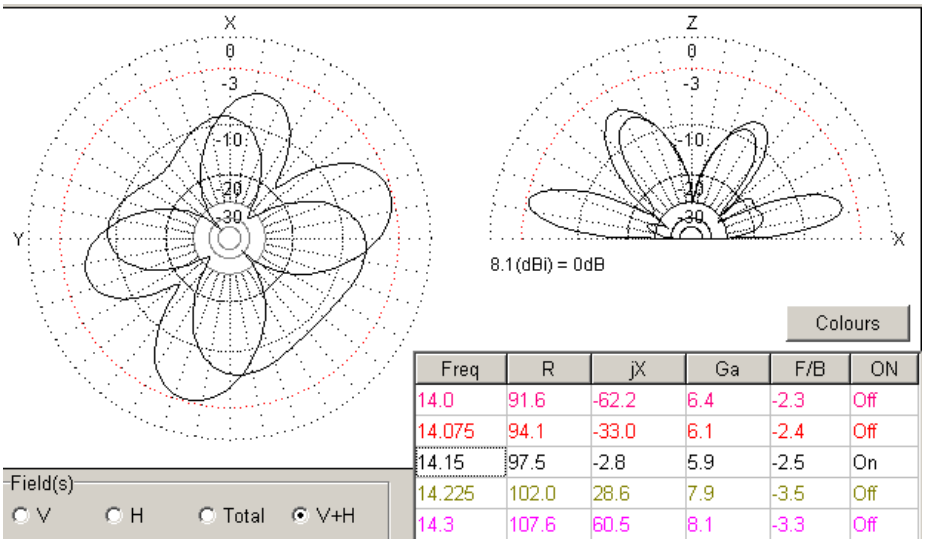


Figure 19 SWR of the Asymmetrical dipole for 80/40/20/15/10- meter bands at 20 meter Band



Freq	R	jX	Ga	F/B	ON
14.0	91.6	-62.2	6.4	-2.3	Off
14.075	94.1	-33.0	6.1	-2.4	Off
14.15	97.5	-2.8	5.9	-2.5	On
14.225	102.0	28.6	7.9	-3.5	Off
14.3	107.6	60.5	8.1	-3.3	Off

Figure 20 DD of the Asymmetrical dipole for 80/40/20/15/10- meter bands at 20 meter Band

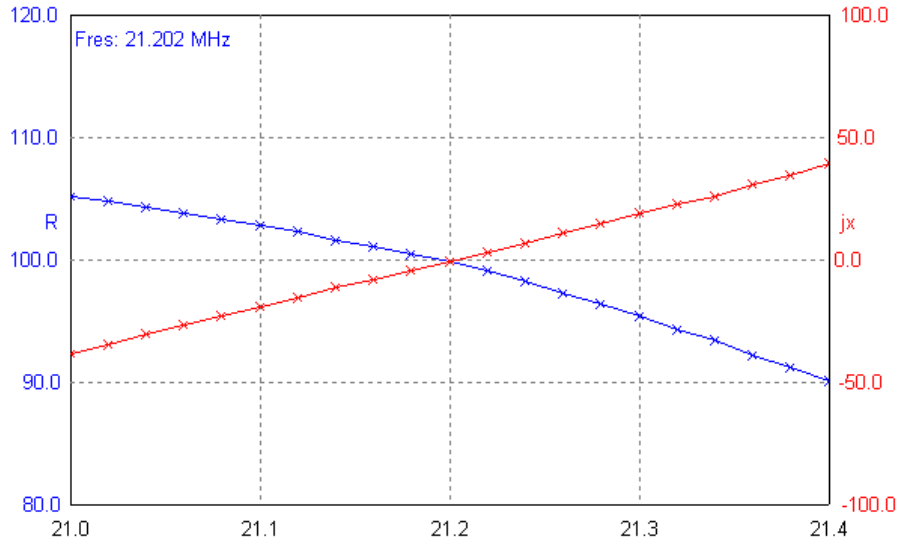


Figure 21 Z of the Asymmetrical dipole for 80/40/20/15/10- meter bands at 15 meter Band

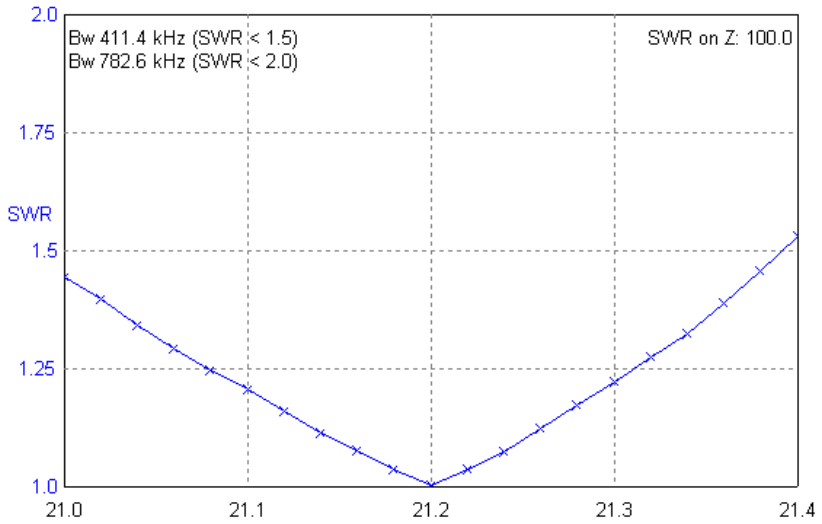


Figure 22 SWR of the Asymmetrical dipole for 80/40/20/15/10- meter bands at 15 meter Band

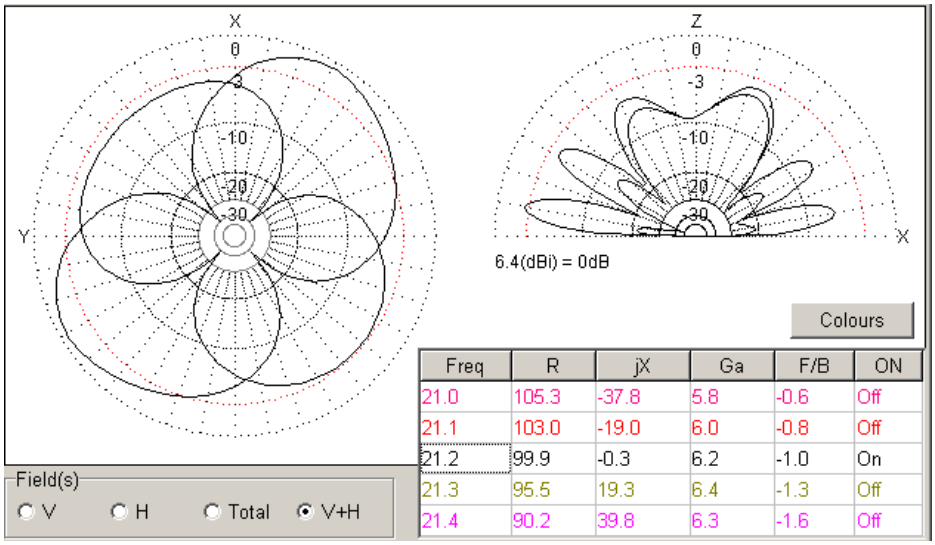


Figure 23 DD of the Asymmetrical dipole for 80/40/20/15/10- meter bands at 15 meter Band

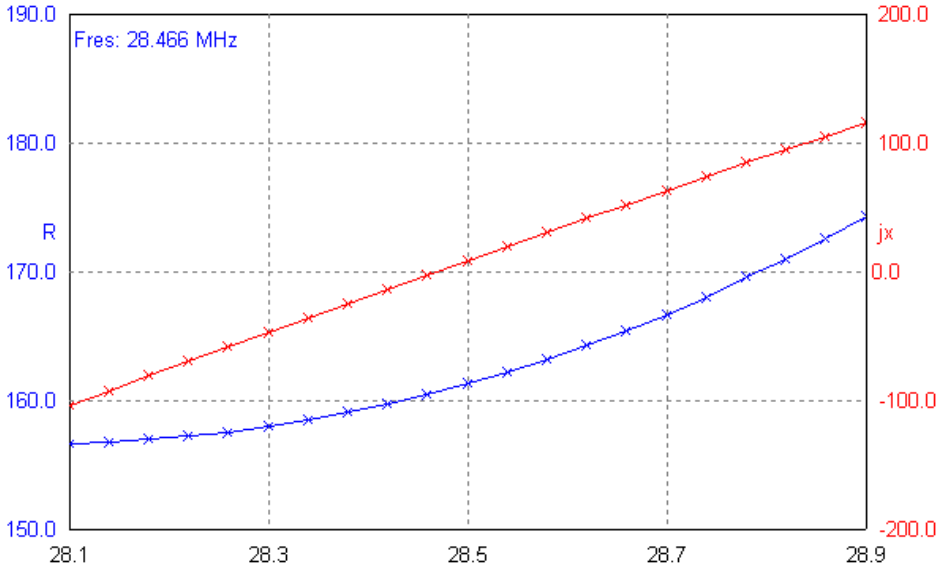


Figure 24 Z of the Asymmetrical dipole for 80/40/20/15/10- meter bands at 10 meter Band

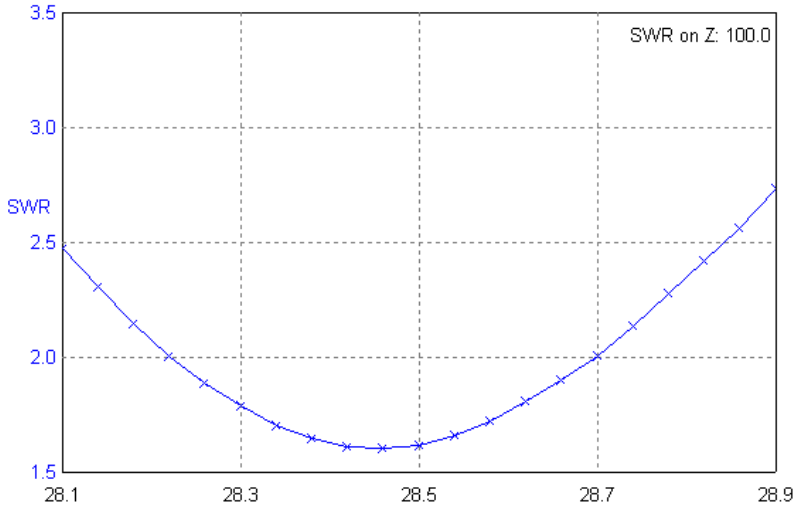


Figure 25 SWR of the Asymmetrical dipole for 80/40/20/15/10- meter bands at 10 meter Band

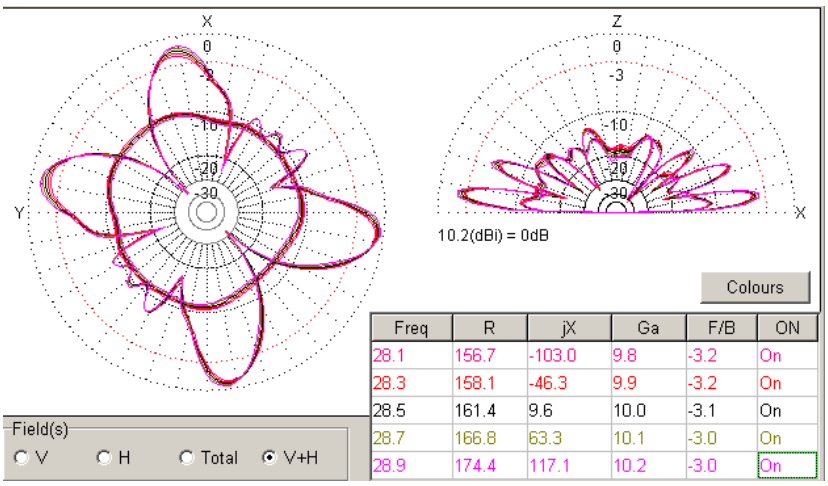


Figure 26 DD of the Asymmetrical dipole for 80/40/20/15/10- meter bands at 10 meter Band

73 Nick ***Credit Line: Forum from: www.cqham.ru***