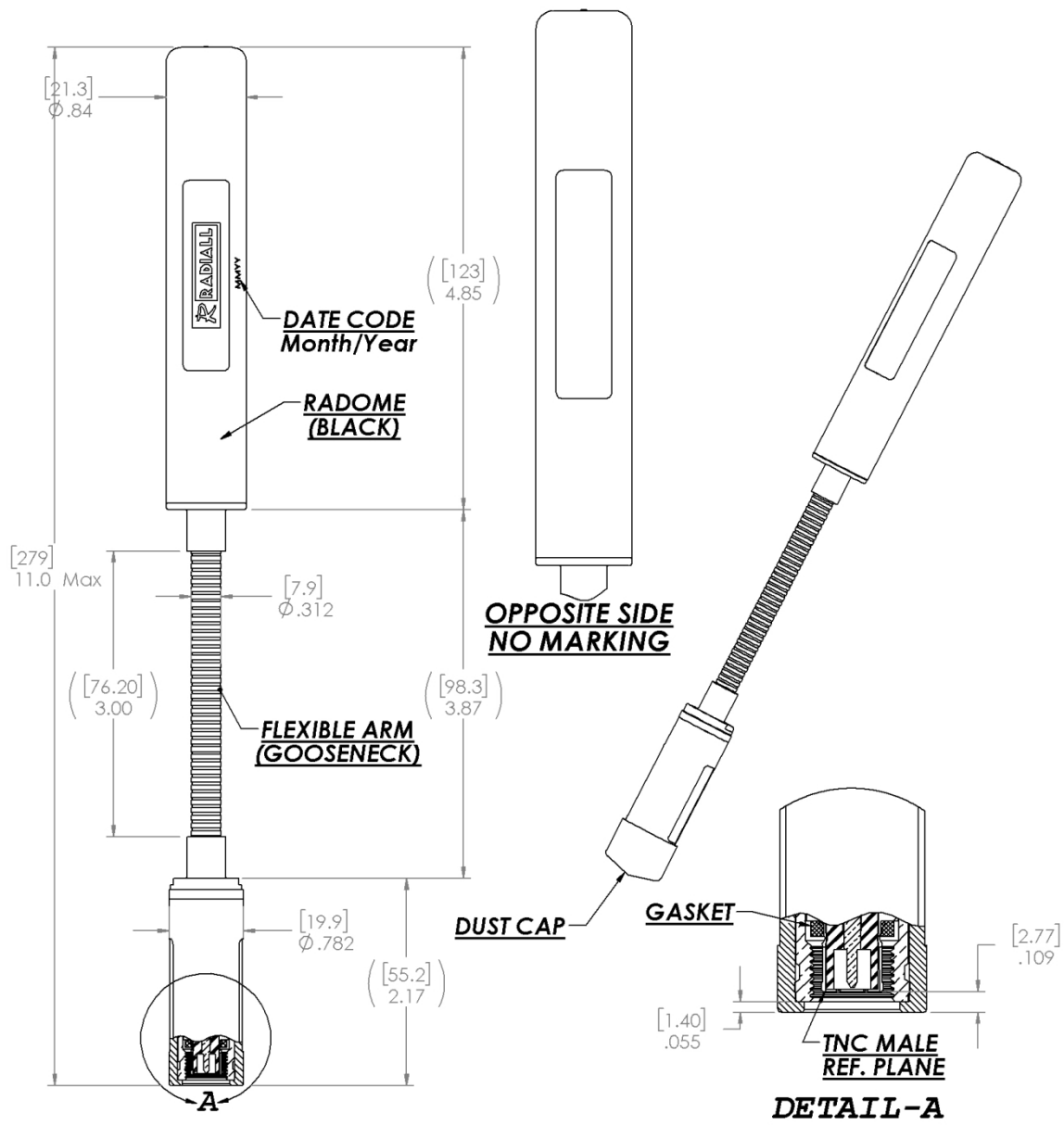


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All dimensions are in mm. Tolerances according ISO 2768 m-H

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ELECTRICAL CHARACTERISTICS

Frequency :	225-450, 1300-2600	MHz
Nominal Impedance :	50	Ω
VSWR :	3.0:1	Max
Peak Gain :	See plots	
UHF	-1.5 $\pm$ 2	dBi
L-Band	0 $\pm$ 1	dBi
Radiation pattern:		
Vertical Plane:	Dipolar	
Horizontal Plane:	Omnidirectionnal	
Polarization :	Linear vertical	
Connector type :	TNC Male	
Power Handling	10	W (CW)

MECHANICAL CHARACTERISTICS

Antenna color :	BLACK
Radome material :	PET
Matching Unit Material	PET
Matching Unit Length:	2.17 in
Gooseneck Flexibility	500 cycles 0/90°
Overall length :	11 in max
Weight	5 Oz max

ENVIRONMENTAL CHARACTERISTICS

Operating temperature :	-40/+71 ° C
	IAW MIL-STD-810G
	Meth. 501.5 & 502.5, Proc. II
Storage temperature :	-40/+71 ° C
	IAW MIL-STD-810G
	Meth. 501.5 & 502.5, Proc. I
Thermal Shocks	-59 / + 75°C
	IAW MIL-STD-810G
	Meth. 503.5, Proc. Ic.
Humidity:	Induced Hot Humid
	IAW MIL-STD-810G
	Meth. 507.5, Proc. II
Immersion	2m for 2 hours
	IAW MIL-STD-810G
	Meth. 512.5, Proc. I
Solar Radiation	IAW MIL-STD-810G 1120 W/m ²
	Meth. 505.5, Proc. II
Salt Fog	96h
	(4x24h alternating wet & dry)
	IAW MIL-STD-810G
	Meth. 509.5
Transit Drops	26 drops from 1.2m high
	IAW MIL-STD-810G
	Meth. 516.6, Proc. IV
Vibrations	Fig 514.6C-1 & -2
	IAW MIL-STD-810G
	Meth. 514.6, Proc. I
Sand & Dust	IAW MIL-STD-810G
	Meth. 510.5, Proc. I & II

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ELECTRICAL PERFORMANCES

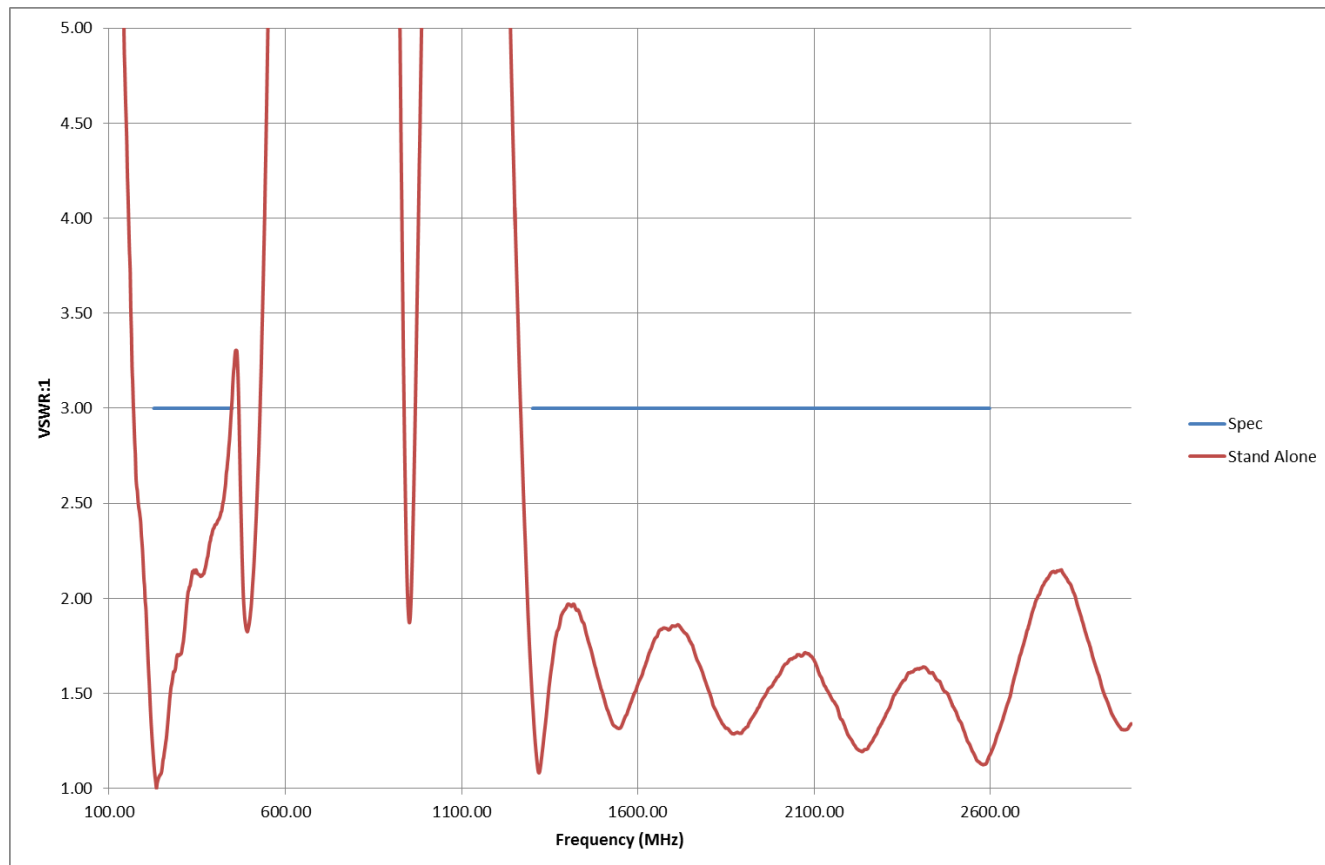


Figure 1: Typical VSWR plot: Antenna mounted on a transceiver, 1m above ground

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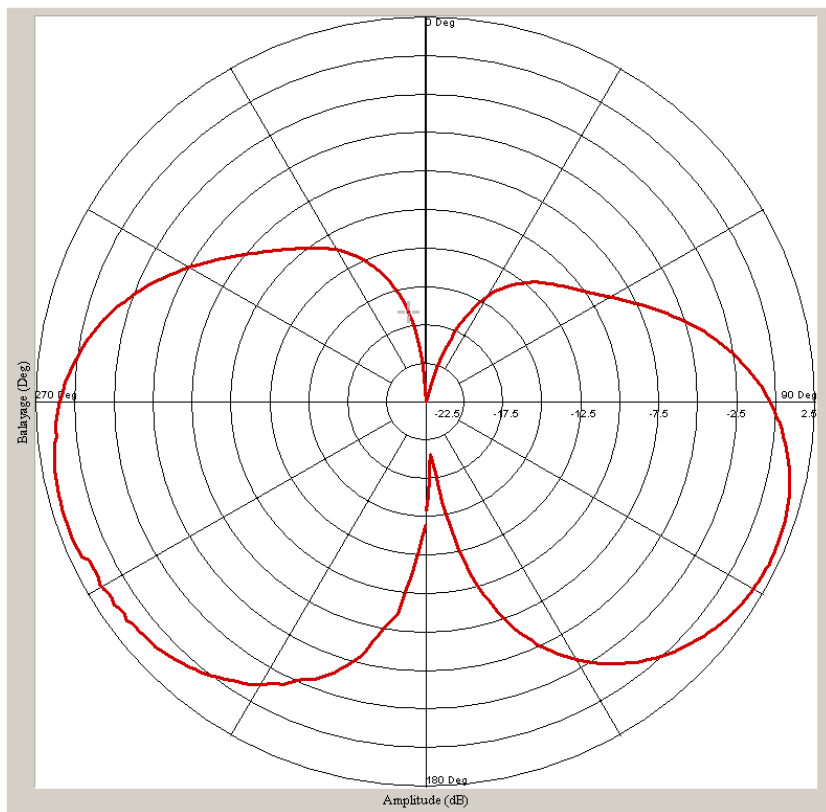


Figure 2: Radiation Pattern – Elevation cut plane @225 MHz

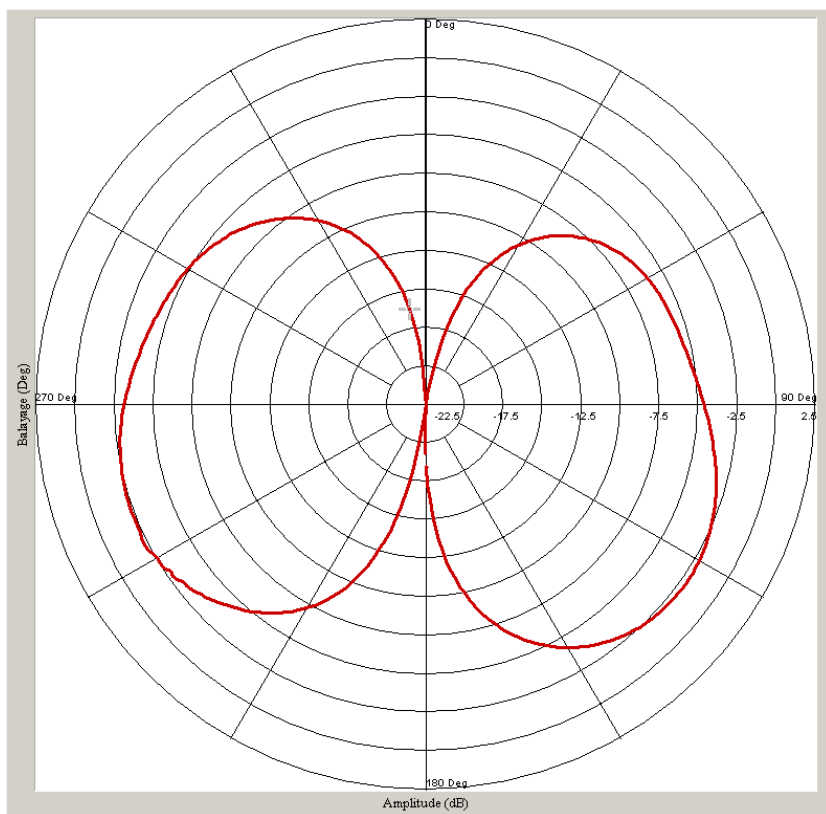


Figure 3: Radiation Pattern – Elevation cut plane @300 MHz

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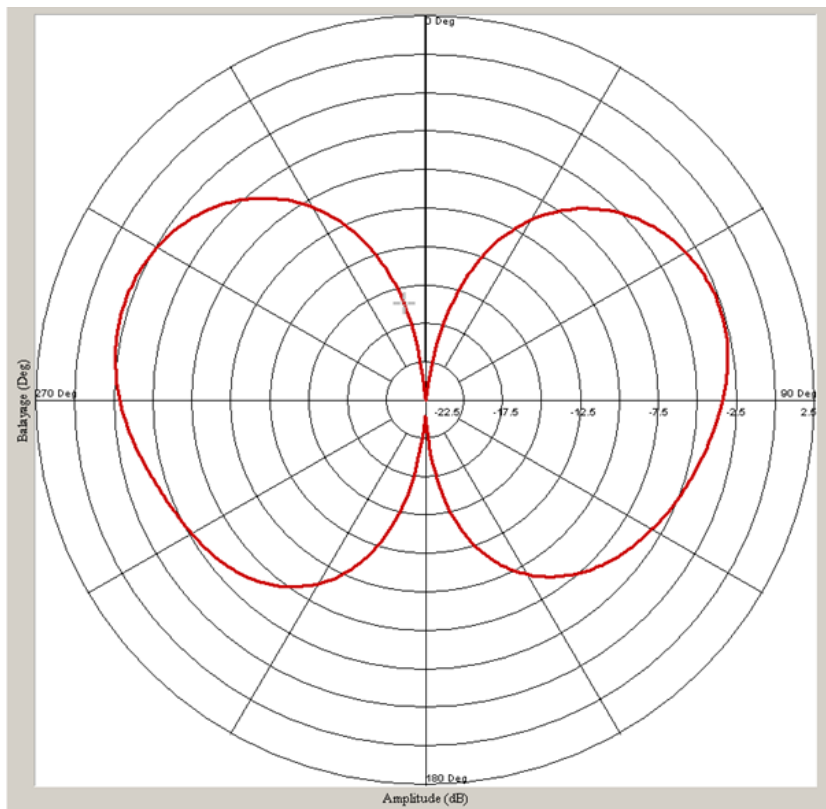


Figure 4 Radiation Pattern – Elevation cut plane @400 MHz

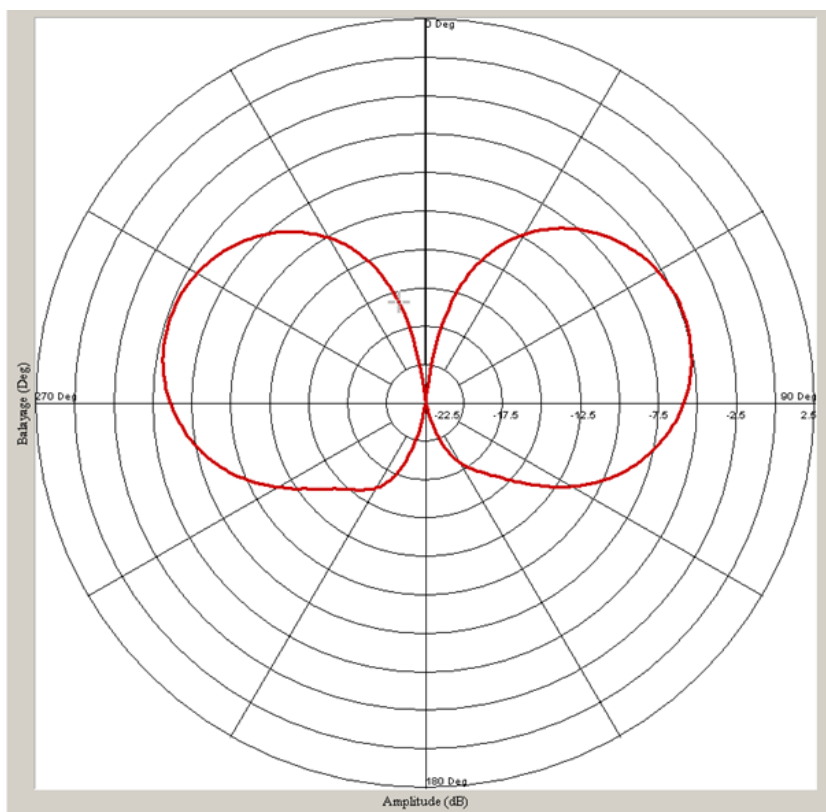


Figure 5: Radiation Pattern – Elevation cut plane @450 MHz

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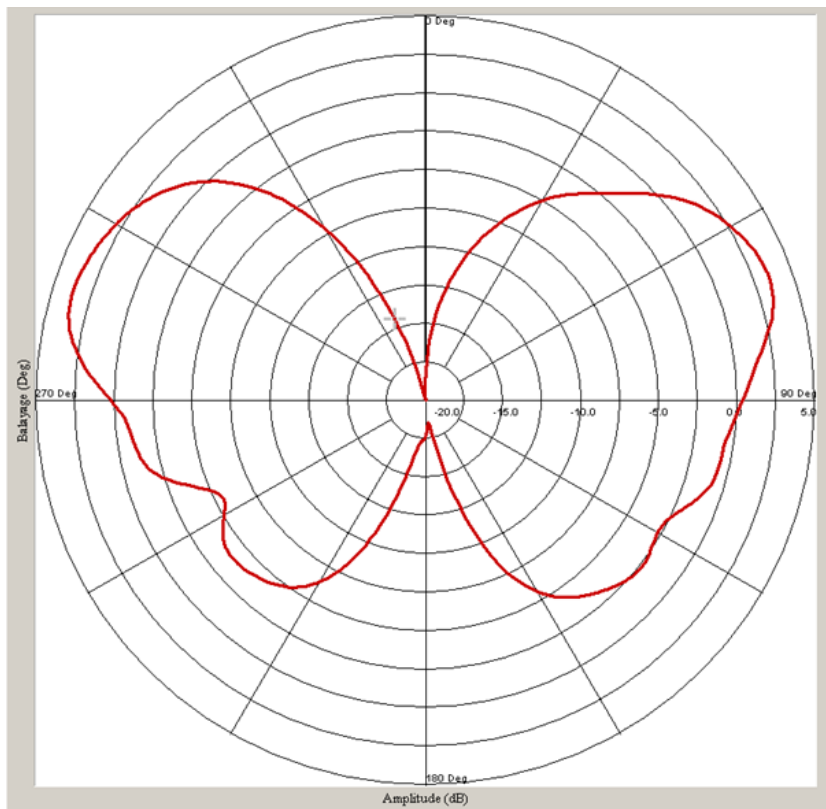


Figure 6: Radiation Pattern – Elevation cut plane @1300 MHz

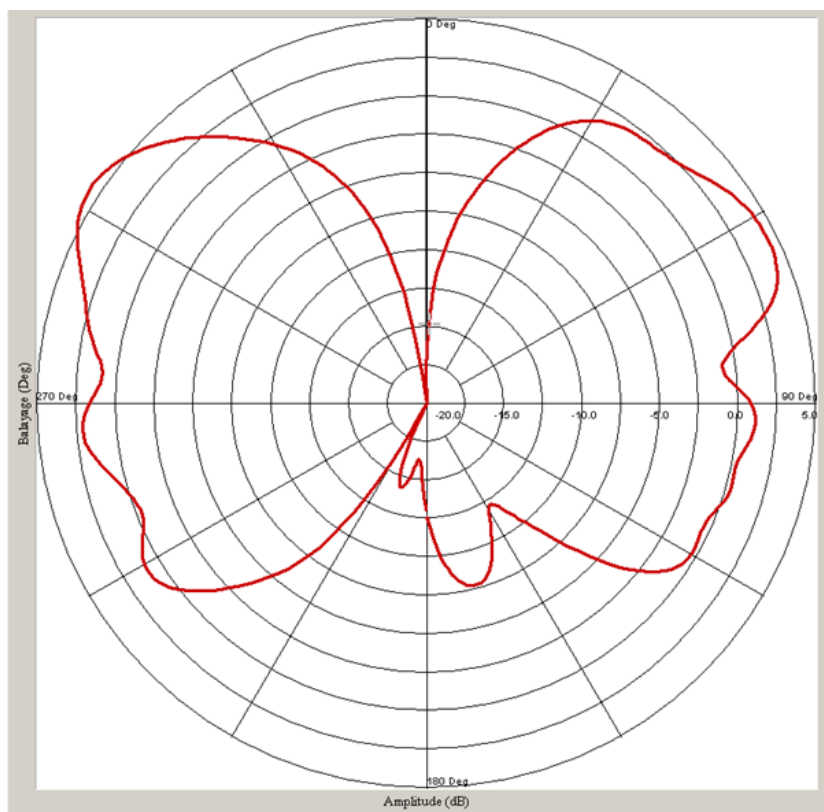


Figure 7: Radiation Pattern – Elevation cut plane @1400 MHz

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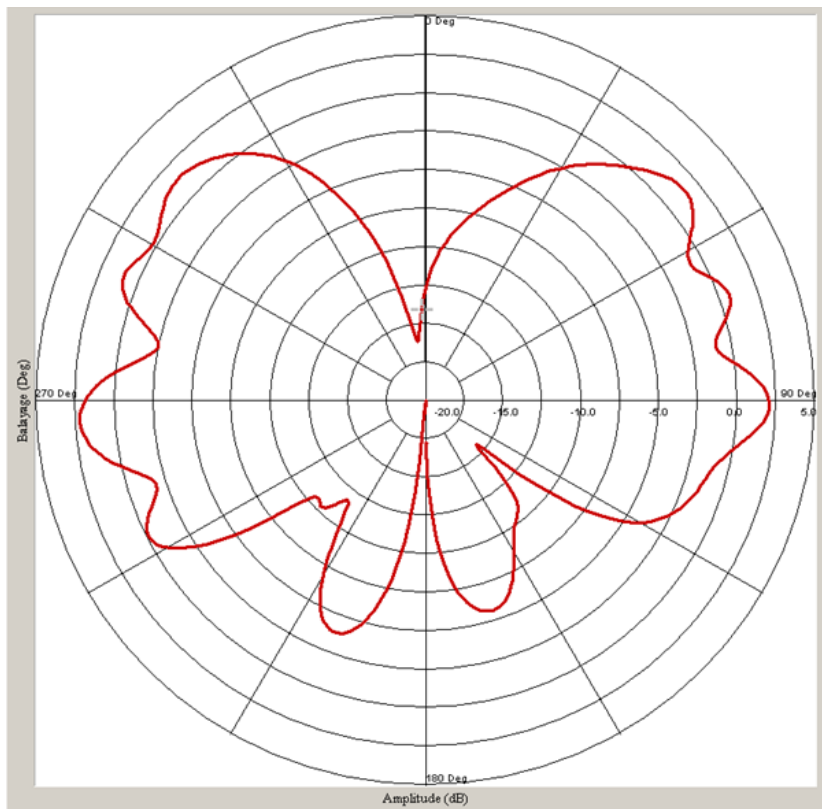


Figure 8: Radiation Pattern – Elevation cut plane @1600 MHz

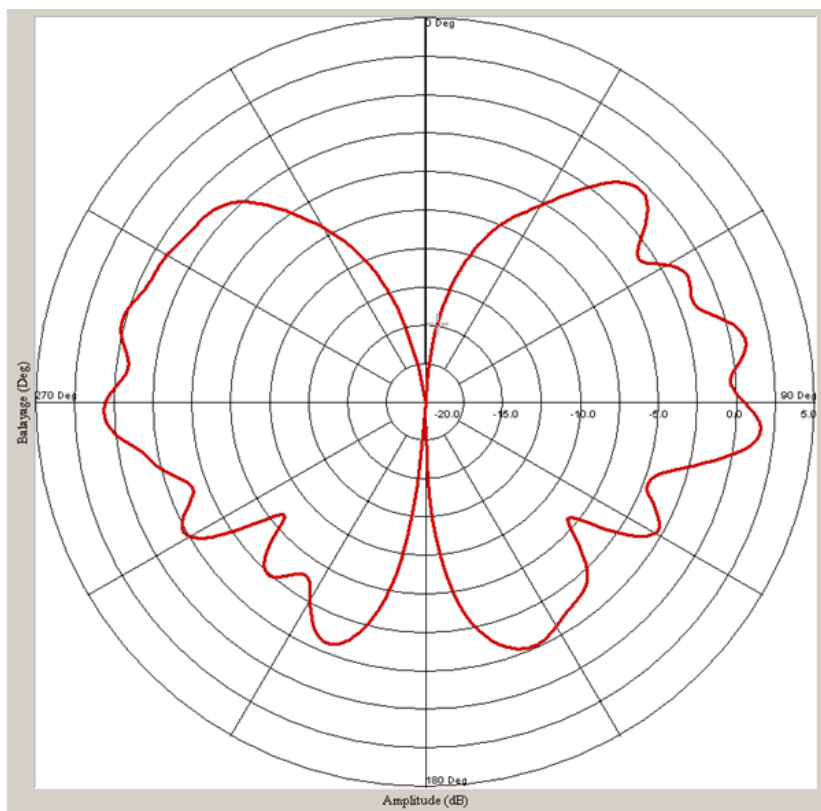


Figure 9: Radiation Pattern – Elevation cut plane @1800 MHz

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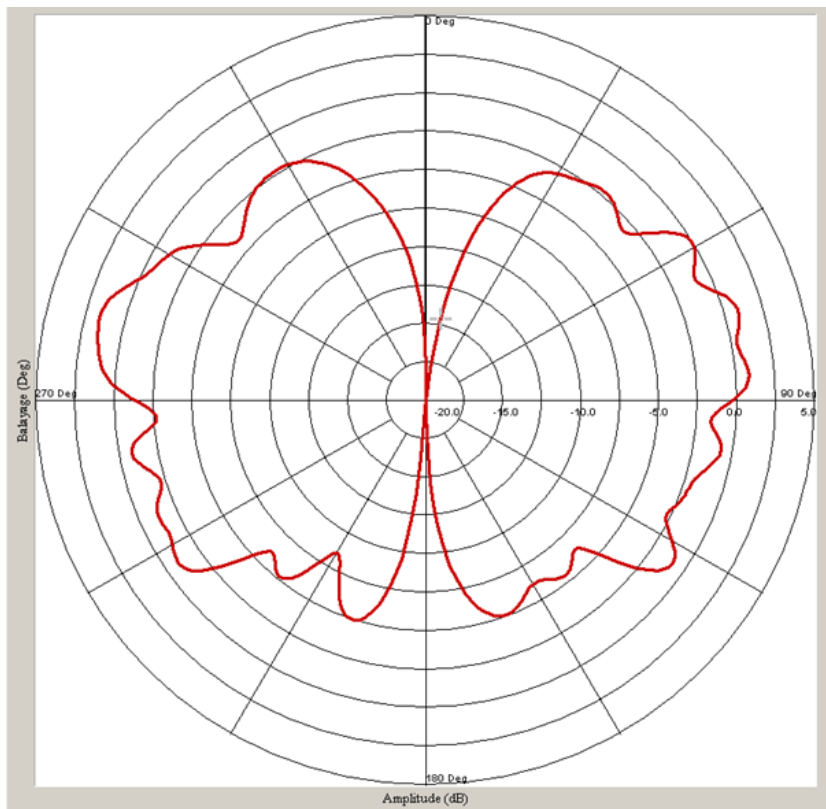


Figure 10: Radiation Pattern – Elevation cut plane @2000 MHz

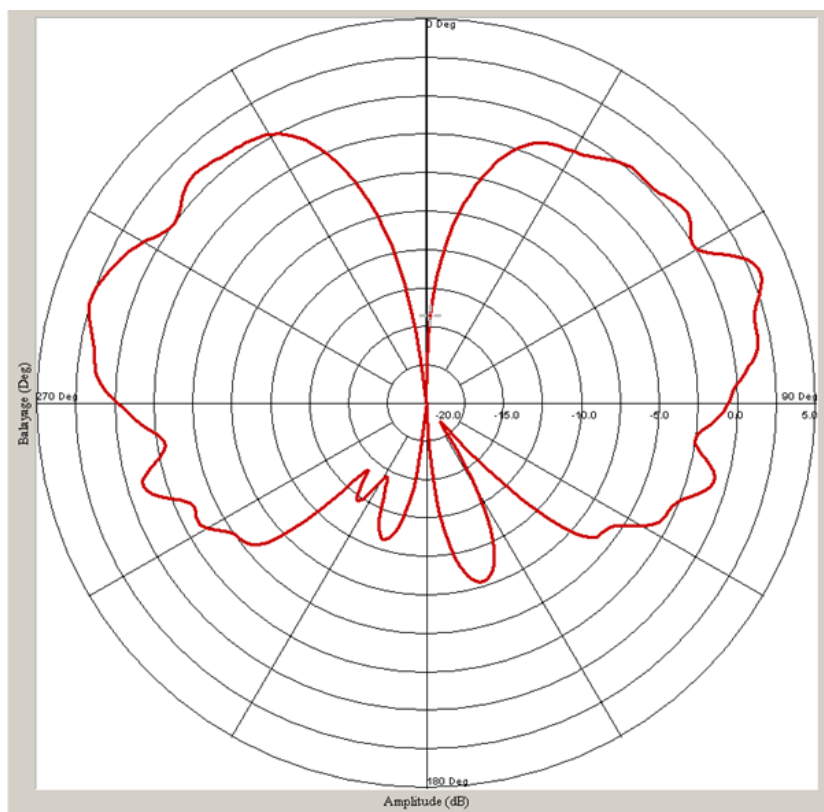


Figure 11: Radiation Pattern – Elevation cut plane @2200 MHz

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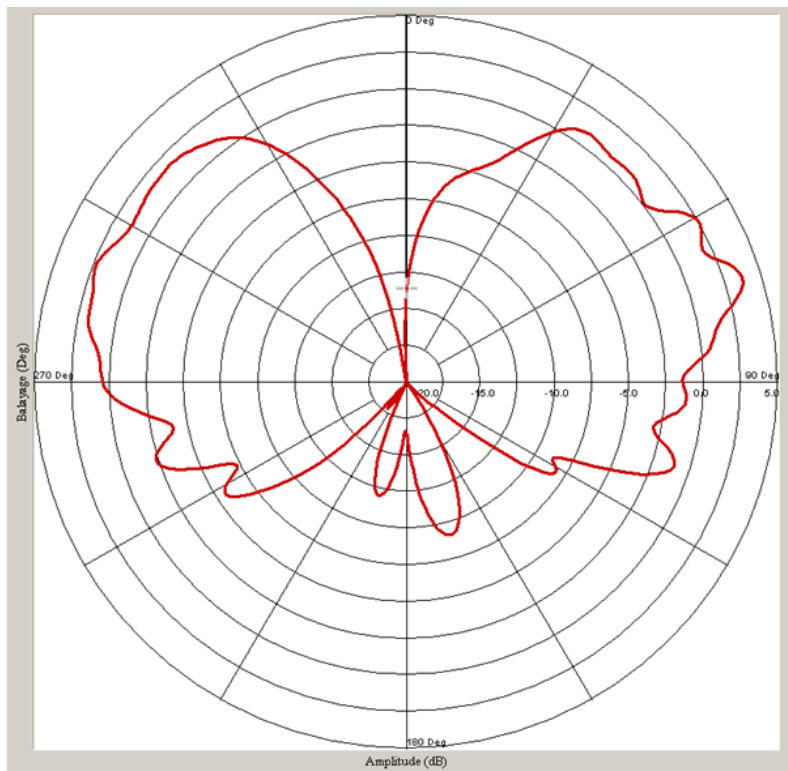


Figure 12: Radiation Pattern – Elevation cut plane @2400 MHz

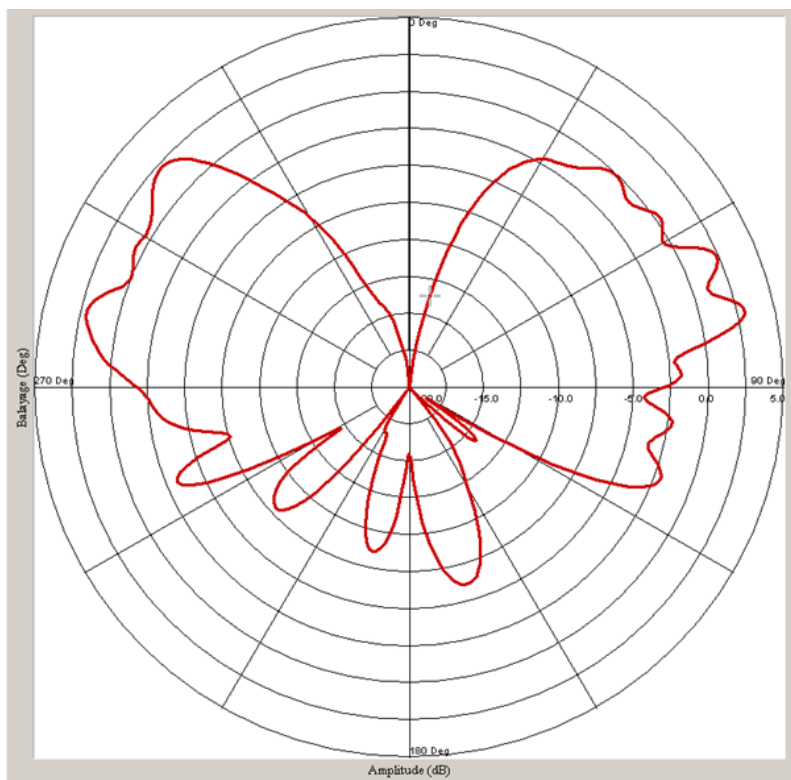


Figure 13: Radiation Pattern – Elevation cut plane @2600 MHz