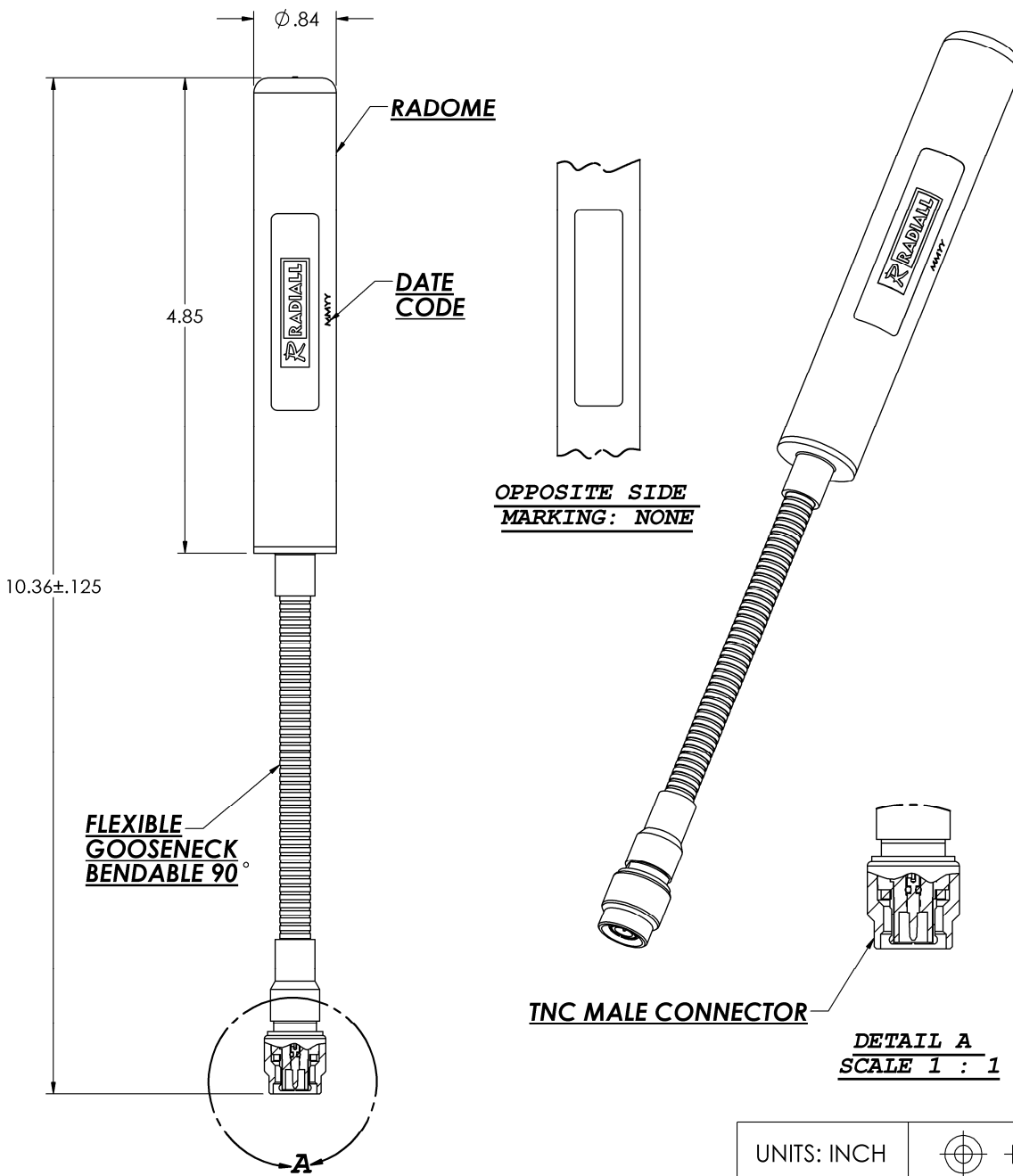


ARTICULATED WIDEBAND L-BAND ANTENNA

1250-2500 MHz

MD09-009

Series : ANTENNA



UNITS: INCH	
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Issue : 4611

In the effort to improve our products, we reserve the right to make changes judged to be necessary.



ARTICULATED WIDEBAND L-BAND ANTENNA

1250-2500 MHz

MD09-009

Series : **ANTENNA**

ELECTRICAL CHARACTERISTICS

Frequency :.....	1250-2500 MHz
Nominal Impedance:.....	50 Ω
VSWR :.....	3:1 Max
Average Gain : (horizontal plane +/- 10 ° in elevation) :	0 dBi nominal
Radiation Pattern:	OMNI-DIRECTIONAL
Polarization :	Vertical
Power withstanding :.....	+10 CW W
Connector type :	TNC Male

MECHANICAL CHARACTERISTICS

Plastic radome :	PET
Color :.....	Black
Weight :	4.1 (116) Oz (gram)
Overall length :	10.36 Inch
Articulation	Gooseneck
Fixing system :	TNC CONNECTOR

ARTICULATED WIDEBAND L-BAND ANTENNA

MD09-009

1250-2500 MHz

Series : **ANTENNA**

ENVIRONMENTAL CHARACTERISTICS

Operating temperature :.....	-31 / +60 ° C MIL-STD-810F, Methods 501.4 & 502.4, Procedure II
Storage Temperature :	-33/+71 ° C MIL-STD-810F, Methods 501.4 & 502.4, Procedure I
Altitude (Storage & Transit):	40K, -51 Feet, °C MIL-STD-810F, Method 500.4, Procedures I, II, & III
Humidity :	95% Relative Through Operating Humidity Temp range MIL-STD-810F, Method 507.4
Vibration :(Loose Cargo Transportation)	MIL-STD-810F Method 514.5, Procedure II Category 5
Shock :	20 g, 11 m/s Acceleration MIL-STD-810F, Duration Method 516.5, Procedure I & IV
Drop test :	48" Height MIL-STD-810F, Method 516.5, Procedure IV

OTHER CHARACTERISTICS

TBD

ARTICULATED WIDEBAND L-BAND ANTENNA

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CURVES

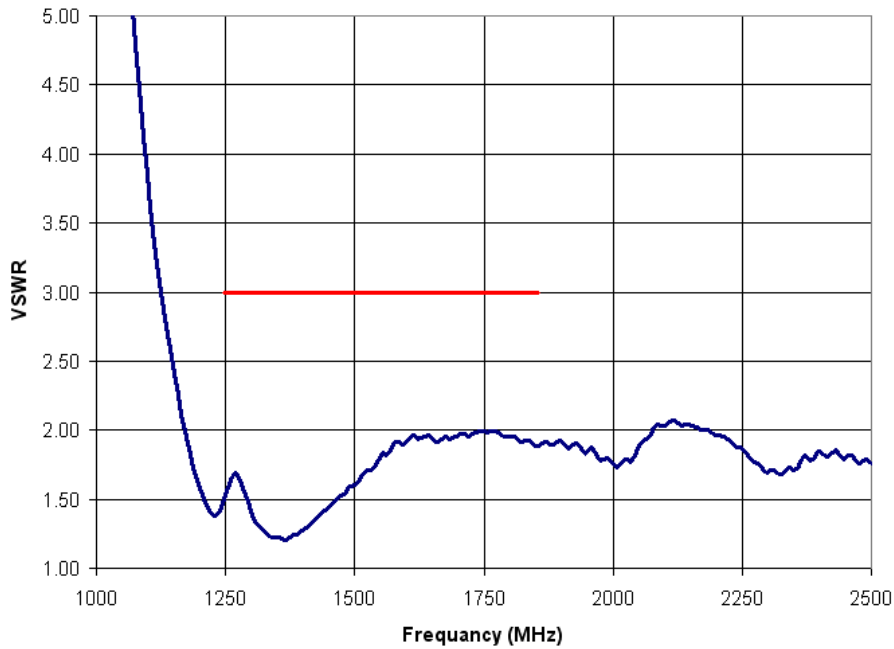


Figure 1: Typical VSWR measured when the antenna is mounted on Handheld 1 meter above ground

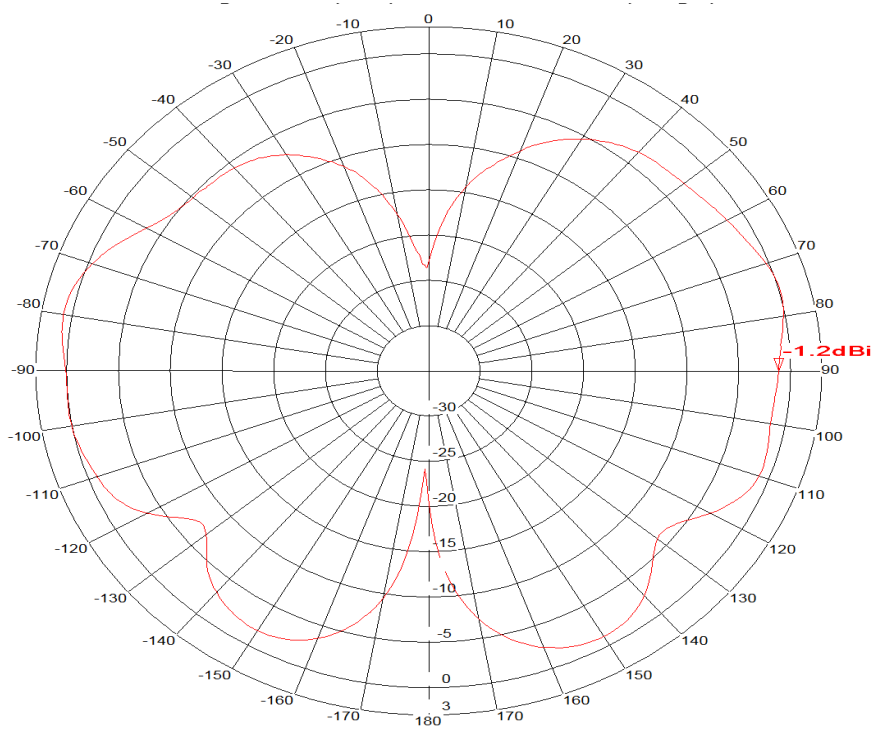


Figure 2: Elevation Pattern @ 1.2 GHz

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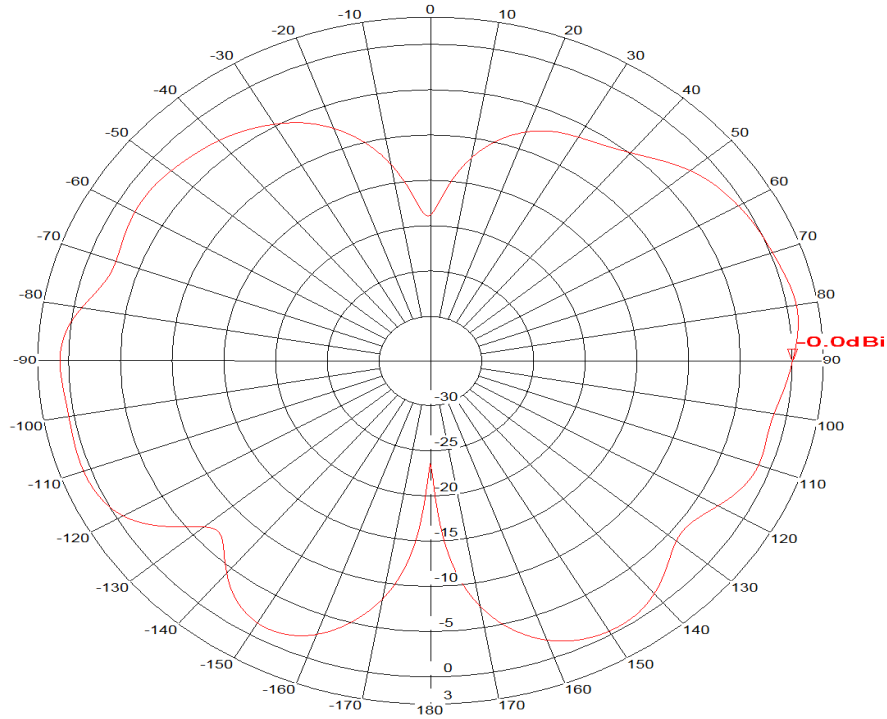


Figure 3: Elevation Pattern @ 1.4 GHz

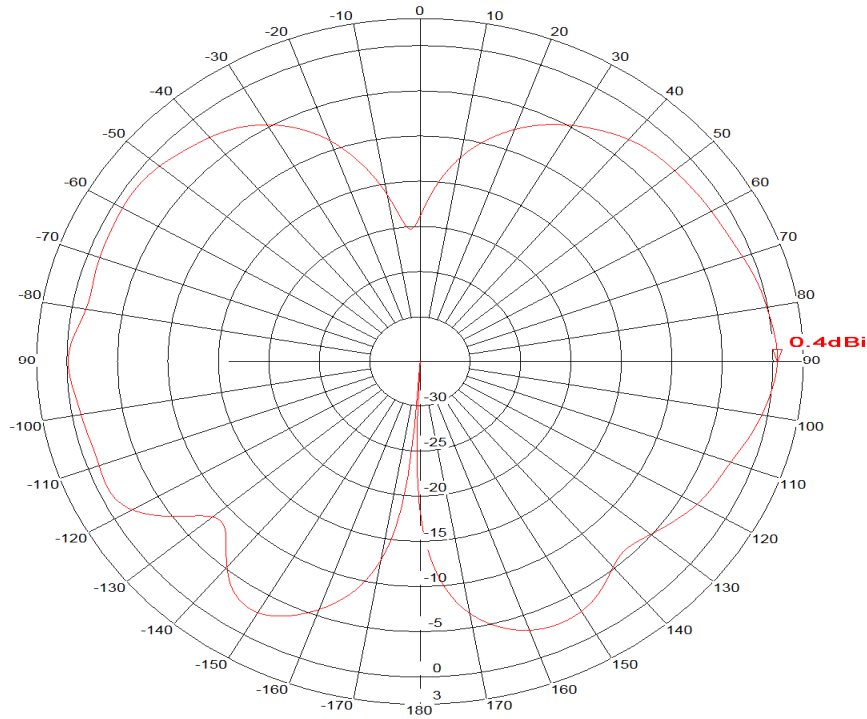


Figure 4: Elevation Pattern @ 1.6 GHz

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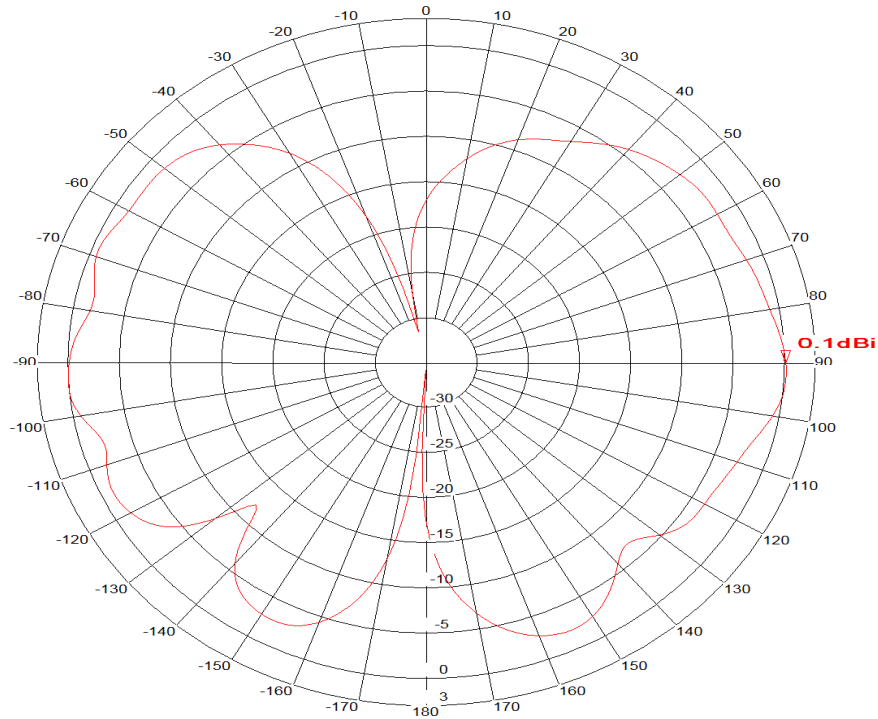


Figure 5: Elevation Pattern @ 1.7 GHz

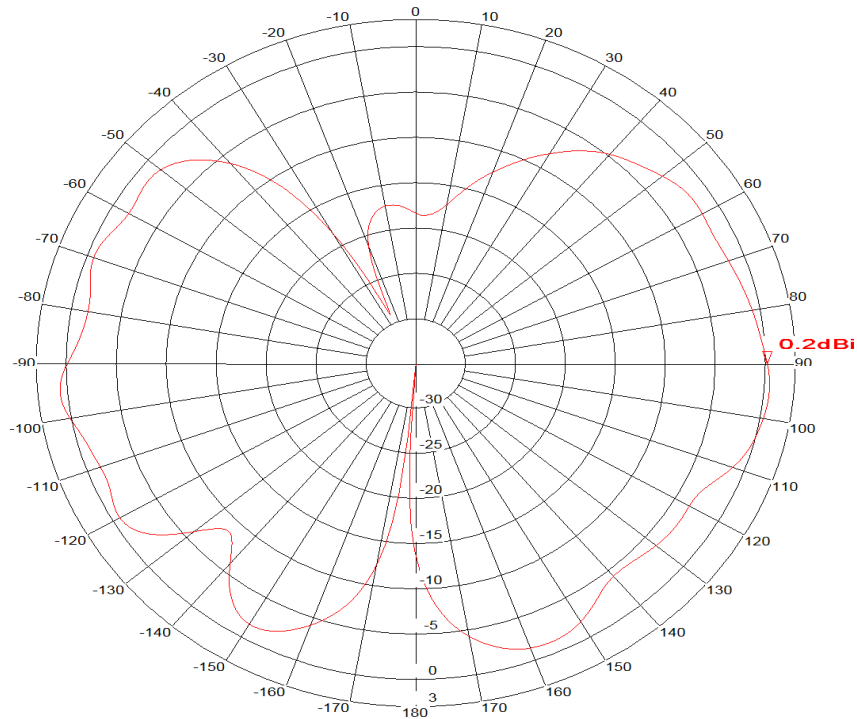


Figure 6: Elevation Pattern @ 1.8 GHz

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