



ELECTRICAL SPECIFICATIONS

Model Name	001-0012	
Operating Frequency (MHz)	2400-2500	4910-5850
VSWR	≤ 2.5:1	
Gain (dBi)	2.0	2.0
Nominal Impedance (Ohms)	50	
Polarization	Linear vertical	

MECHANICAL SPECIFICATIONS

Dimensions – mm (inches)	114 x 13 (4.49 x 0.51)
Weight – g (oz.)	18.0 (0.63)
Radome Material	Black

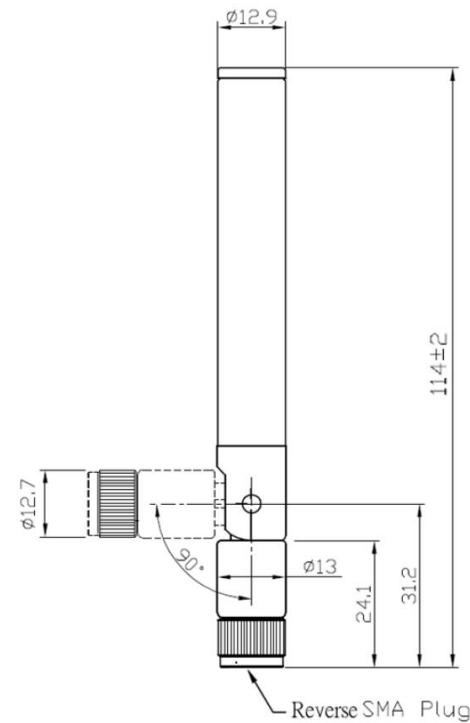
ENVIRONMENTAL SPECIFICATIONS

Operating Temperature – °C (°F)	-40 to +85°C (-40 to +185°F)
UL Rating	UL 94HB
Ingress Protection Rating	IP67

CONFIGURATION

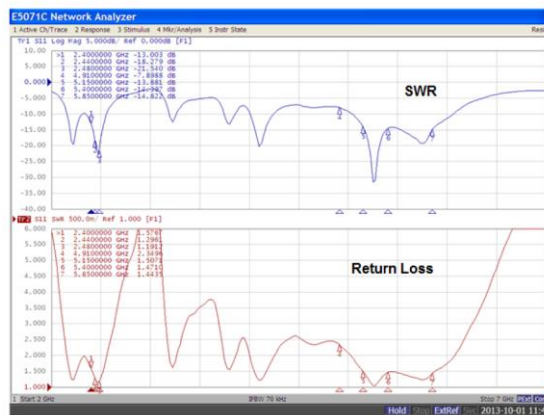
PART NUMBER	DESCRIPTION
001-0012	2.4/5.5 GHz waterproof dipole antenna for Reverse Polarity SMA connector
080-0013	U.FL to Reverse Polarity SMA cable, 105 mm, O-ring seal
080-0014	U.FL to Reverse Polarity SMA cable, 210 mm, O-ring seal

MECHANICAL DRAWING

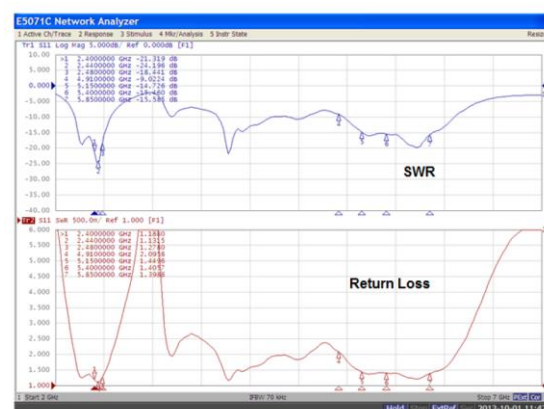


TYPICAL ANTENNA REFLECTION PERFORMANCE

Straight Antenna Position



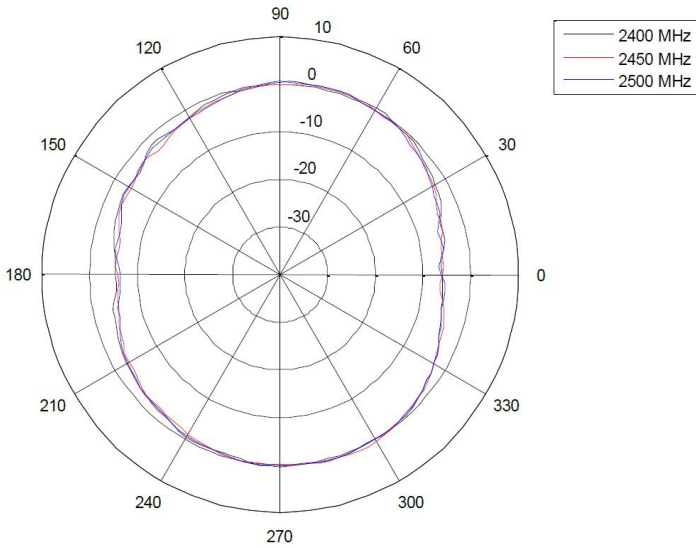
Bent Antenna Position



RADIATION PATTERNS

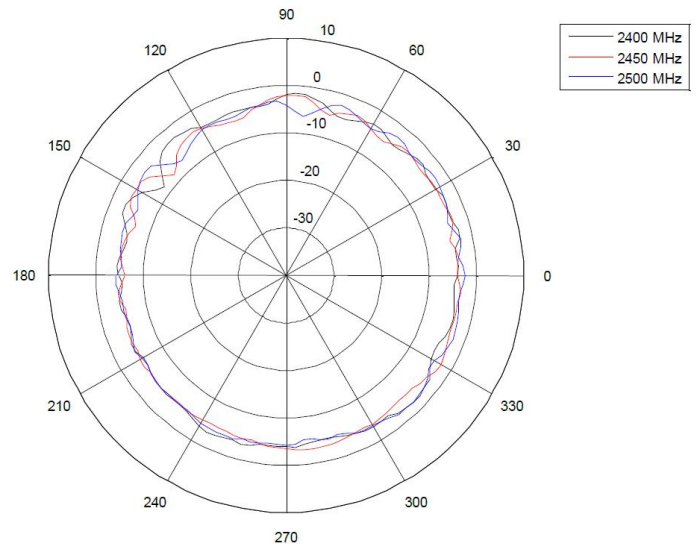
2.4 GHz (E-Plane)

Total Gain (RSS of Vertical and Horizontal Polarization) (dB)



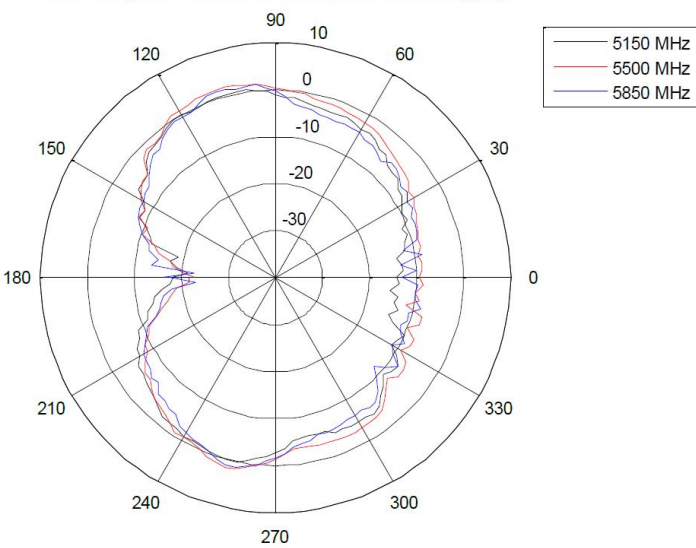
2.4 GHz (H-Plane)

Total Gain (RSS of Vertical and Horizontal Polarization) (dB)



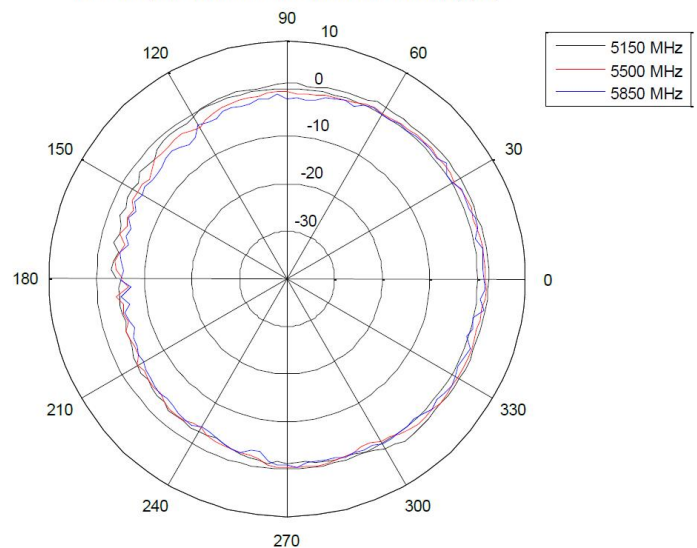
5 GHz (E-Plane)

Total Gain (RSS of Vertical and Horizontal Polarization) (dB)



5 GHz (H-Plane)

Total Gain (RSS of Vertical and Horizontal Polarization) (dB)



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