



## 001-0012

### Waterproof Dipole Antenna 2400-2500 MHz/4910-5850 MHz

#### ELECTRICAL SPECIFICATION

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

#### MECHANICAL SPECIFICATION

Dimensions - mm (inches)	114.0 x 13.0 (4.94 x 0.51)
Weight - g (oz.)	18.0 (0.63)
Radome Material	Black

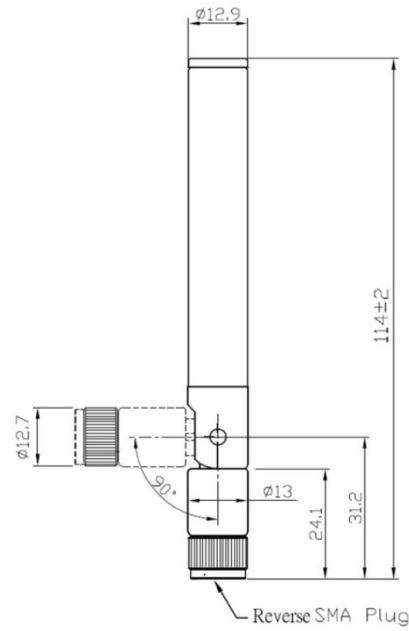
#### ENVIRONMENTAL SPECIFICATION

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

## CONFIGURATION

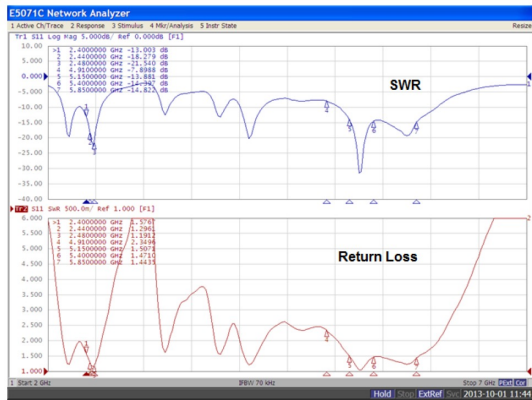
PART NUMBER	DESCRIPTION
001-0012	2.4/5.5 GHz waterproof dipole antenna for Reverse Polarity SMA connector
080-0013	U.FL to Reverse Polarity SMA cable, 105 mm, O-ring seal
080-0014	U.FL to Reverse Polarity SMA cable, 210 mm, O-ring seal

# MECHANICAL DRAWING

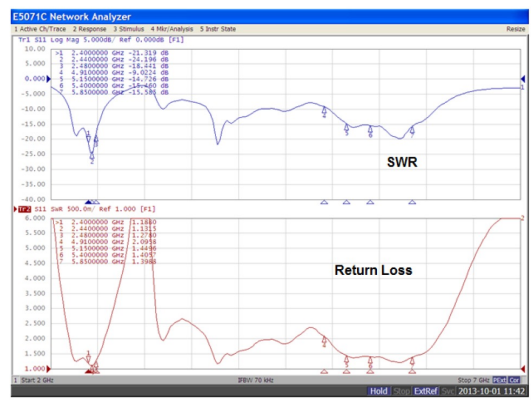


# TYPICAL ANTENNA REFLECTION PERFORMANCE

**Straight Antenna Position**

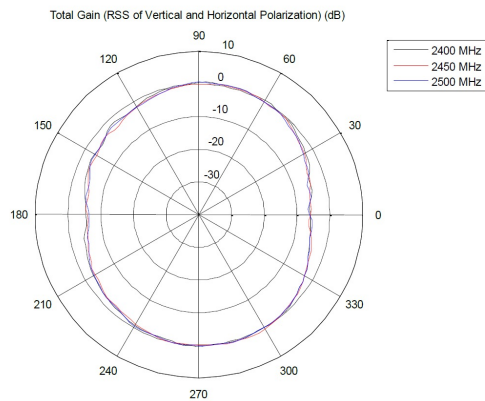


**Bent Antenna Position**

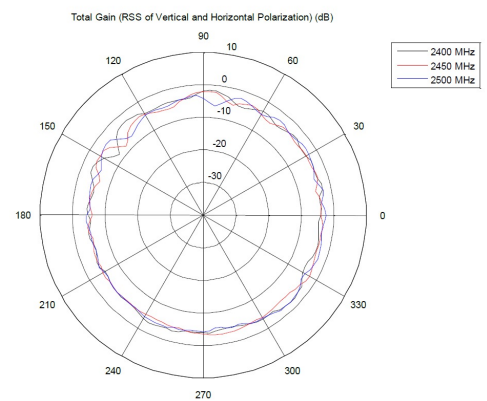


## RADIATION PATTERNS

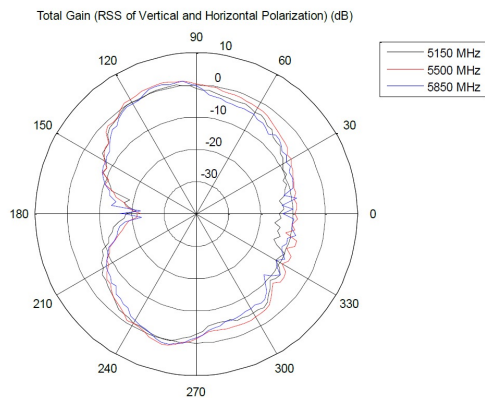
### 2.4 GHz (E-Plane)



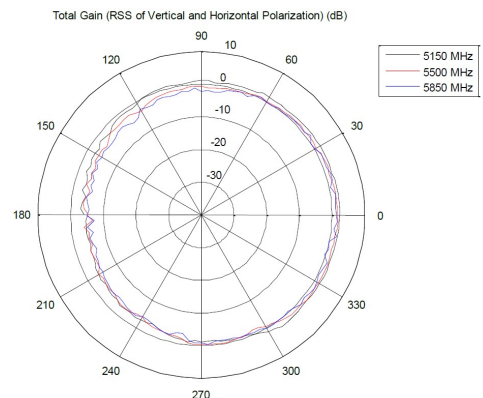
### 2.4 GHz (H-Plane)



### 5 GHz (E-Plane)



### 5 GHz (H-Plane)



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