



## 001-0001-L

### 2.4 GHz Dipole Antenna 2400-2500 MHz

Laird Connectivity is unmatched in offering multiple pre-certified antenna options for each wireless module. Pairing Laird Connectivity's embedded modules with a pre-certified RF antenna saves both certification time and costs. The new, exclusive, flexible antenna solutions from Laird Connectivity, provide unmatched flexibility to help you solve your real-world design challenges.

#### ELECTRICAL SPECIFICATION

Operating Frequency (MHz)	2400-2500
VSWR - Max	≤2.5:1
Peak Gain (dBi)	+2.0 dBi
Nominal Impedance (Ohms)	50
Polarization	Linear vertical

#### MECHANICAL SPECIFICATION

Dimensions - mm (inches)	105 x 10 (4.13 x 0.39)
Weight - g (lbs.)	13 (0.46)
Antenna Color	Black

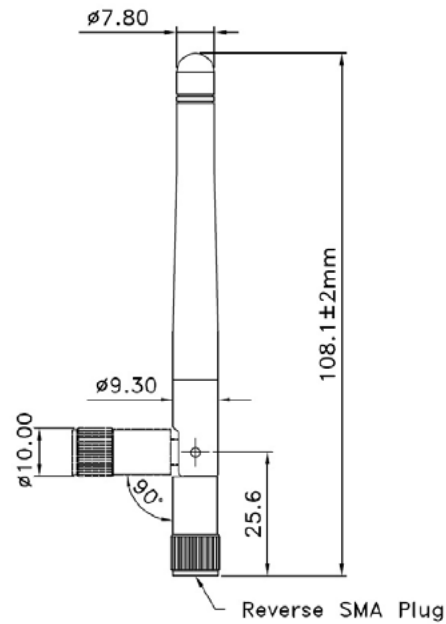
#### ENVIRONMENTAL SPECIFICATION

Operating Temperature - °C (°F)	-20 to +65°C (-4 to +149°F)
UL Rating	UL 94HB
Ingress Protection Rating	IP67

## CONFIGURATION

PART NUMBER	DESCRIPTION
001-0001-L	2.4 GHz dipole antenna for reverse polarity SMA connector
080-0001	U.FL to reverse polarity SMA cable, 105 mm

# MECHANICAL DRAWING



# TYPICAL ANTENNA REFLECTION PERFORMANCE

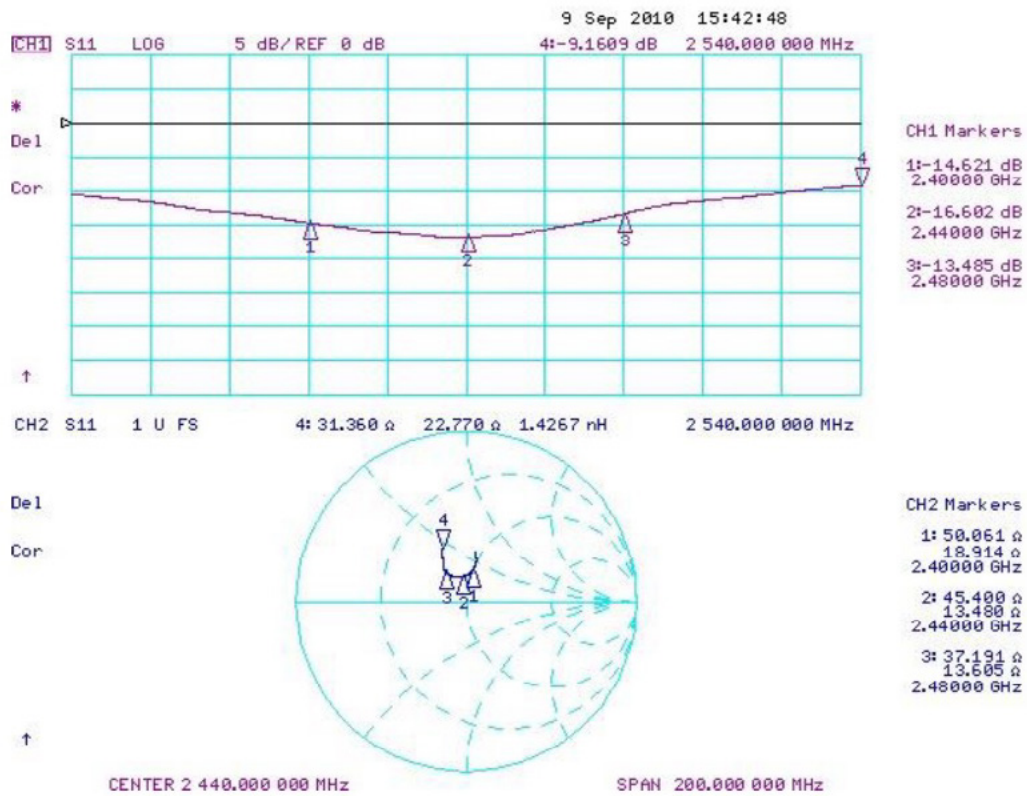


FIGURE 1: REFLECTION PARAMETERS FOR EXTENDED CONFIGURATION (S11)

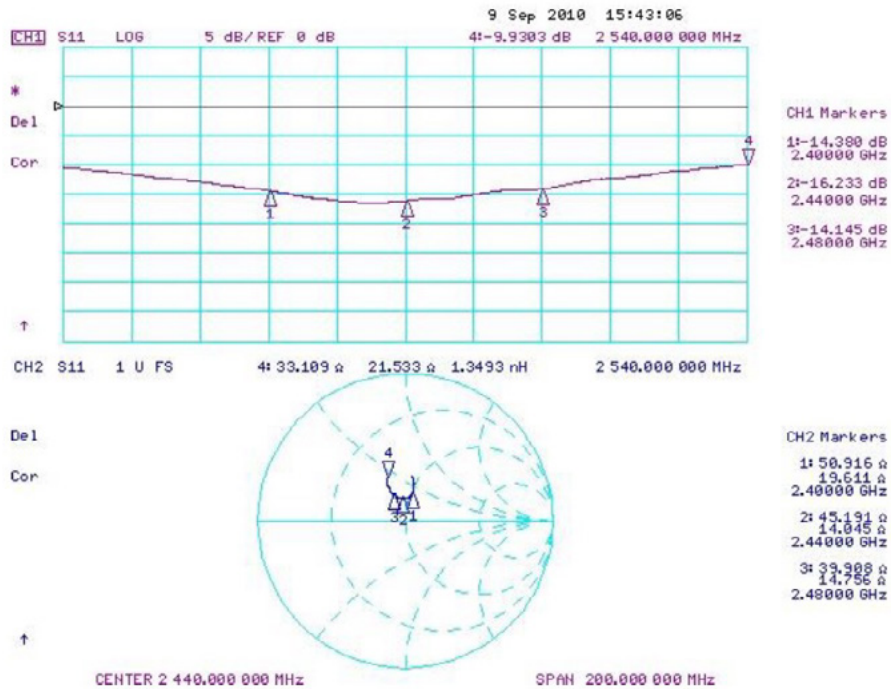
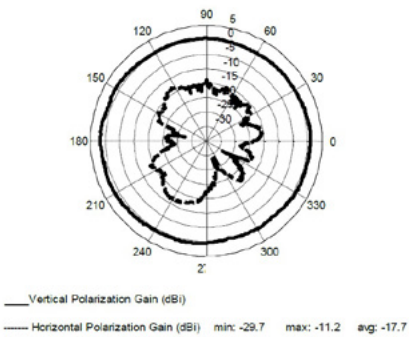


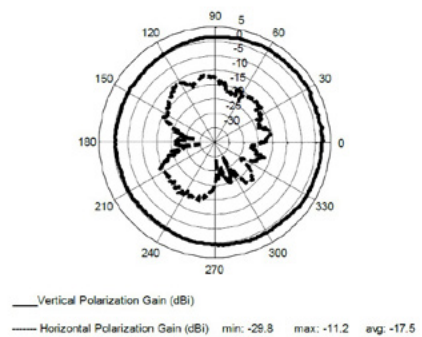
FIGURE 2: REFLECTION PARAMETERS FOR FOLDED CONFIGURATION (S11)

## RADIATION PATTERNS

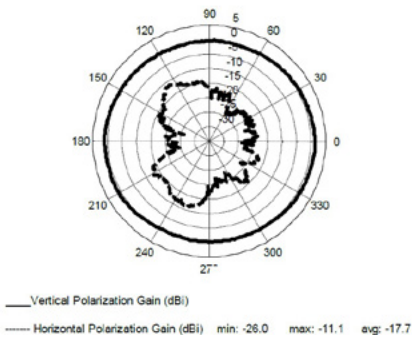
### Antenna Straight 2405 MHz



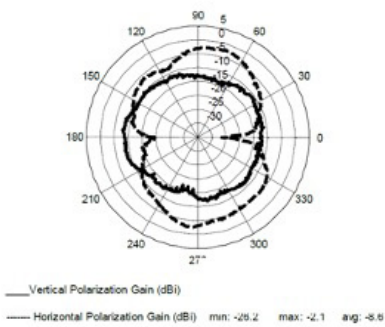
### Antenna Straight 2440 MHz



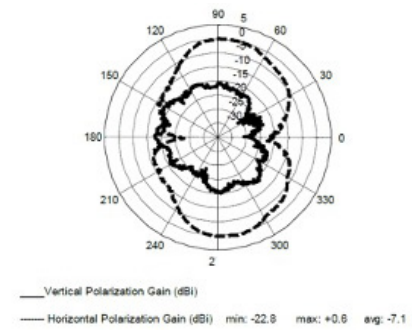
### Antenna Straight 2480 MHz



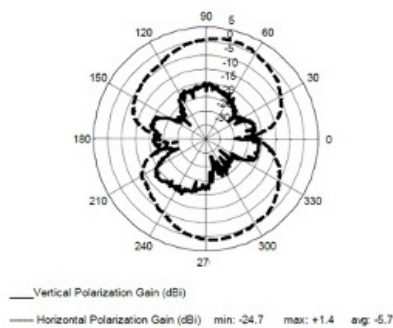
## Antenna Bent 2405



## Antenna Bent 2440 MHz



## Antenna Bent 2480



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