

2.4 GHz – 2.5 GHz Dipole 2dBi Antenna for Reverse Polarity SMA



ORDERING INFORMATION

| Order Number | Description |
|--------------|--|
| 001-0001 | 2.4 GHz Dipole Antenna for Reverse Polarity SMA Connector. |
| 080-0001 | U.FL to Reverse Polarity SMA Cable, 105mm |

Table 1 Orderable Part Numbers

SPECIFICATIONS

| Specification | Value |
|----------------|-------------------|
| Peak Gain | +2 dBi |
| Impedance | 50 ohms, Nominal |
| Type | Dipole |
| Polarization | Linear Vertical |
| VSWR | ≤2.5 : 1, Maximum |
| Frequency | 2400-2500MHz |
| Weight | 13g |
| Size | 105x10 mm |
| Antenna Color | Black |
| Operating Temp | -20°C to +65°C |
| UL Rating | UL 94HB |

Table 2 Specifications

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PHYSICAL DIMENSIONS (MM)

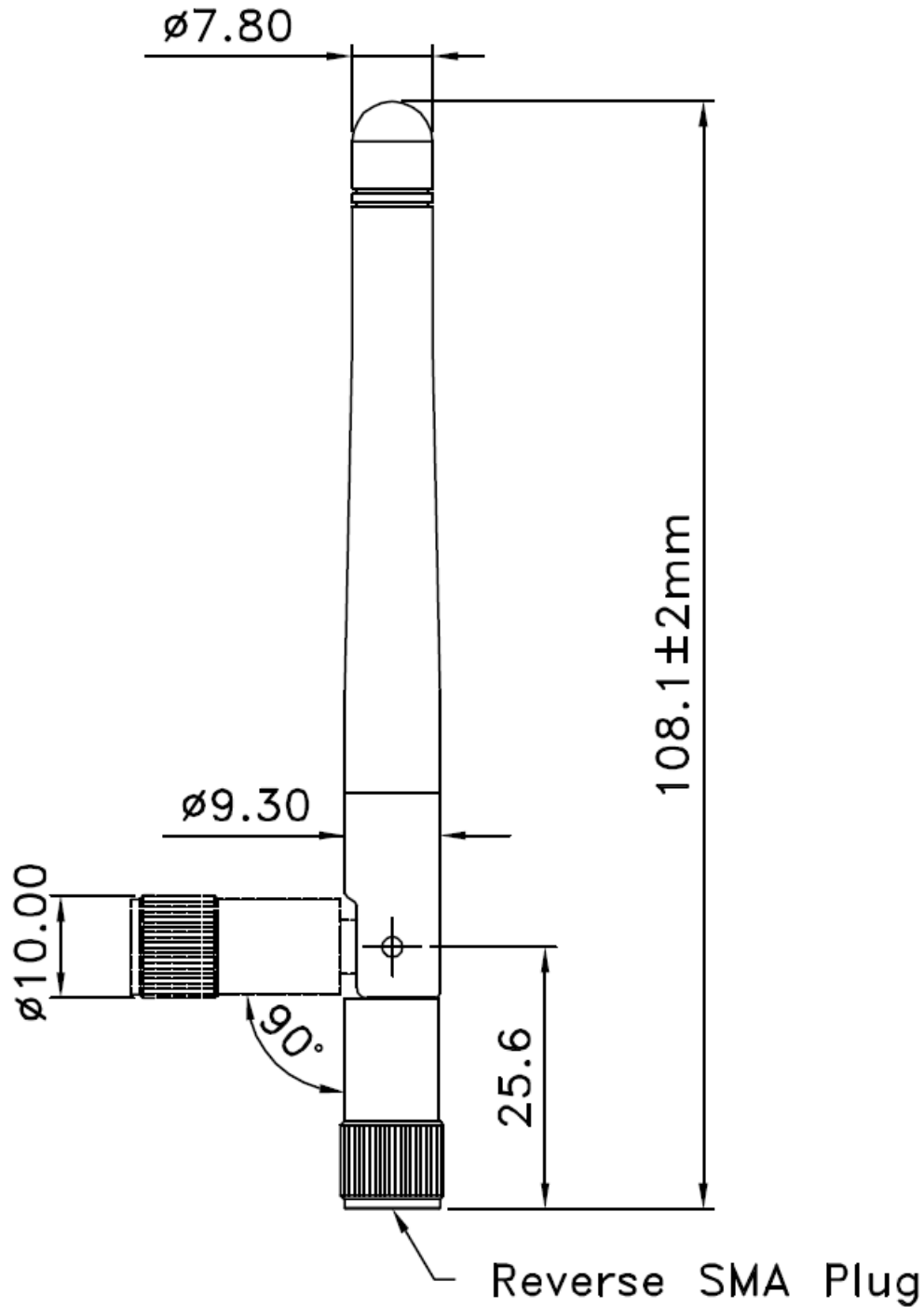


Figure 1 Physical Dimensions

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TYPICAL ANTENNA REFLECTION PERFORMANCE

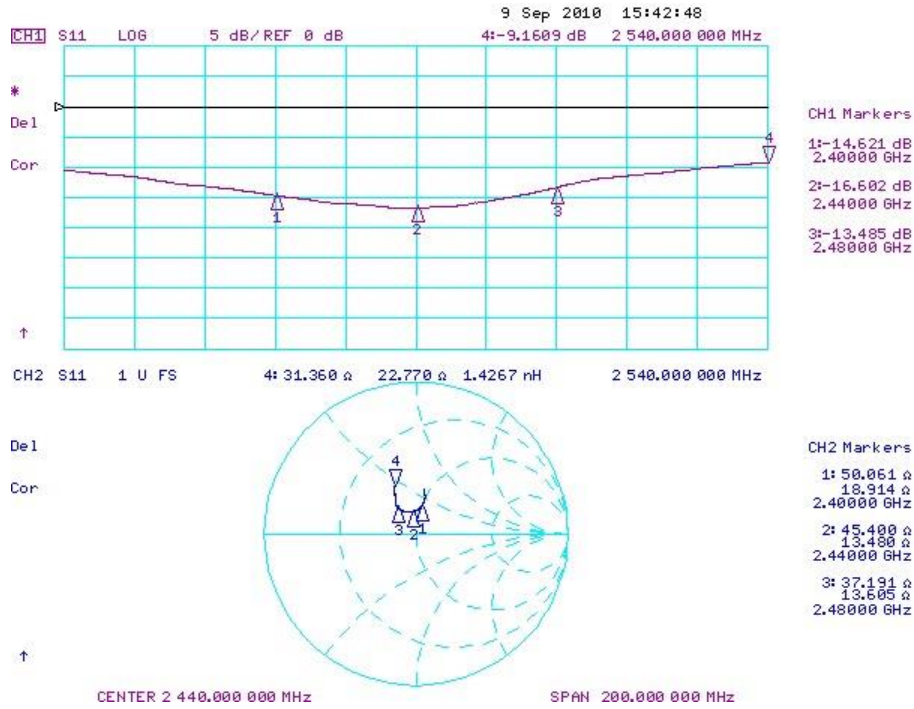


Figure 2 Reflection Parameters for Extended Configuration (S11)

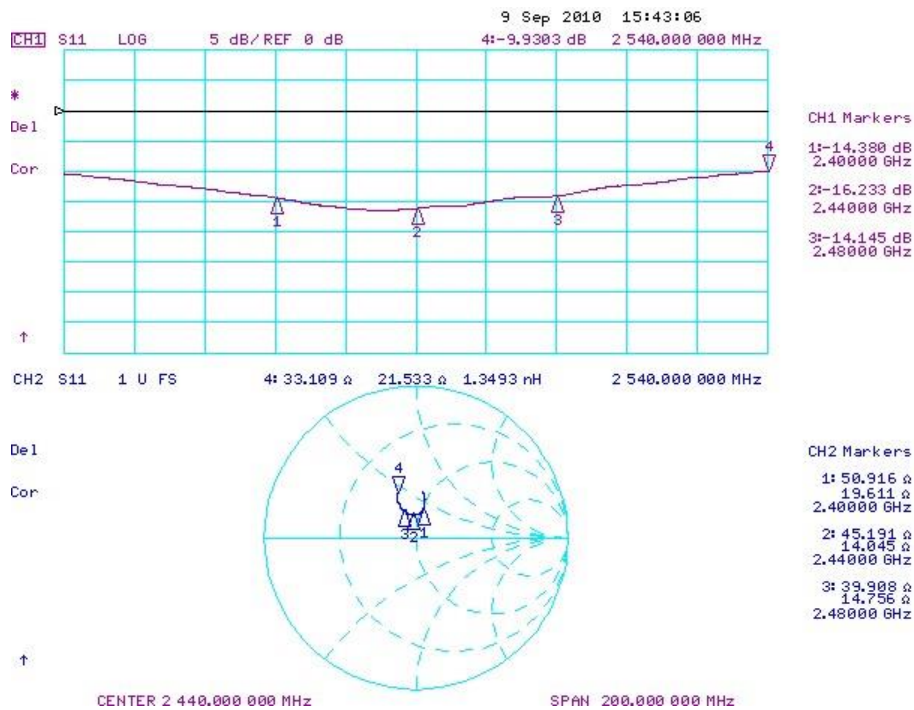
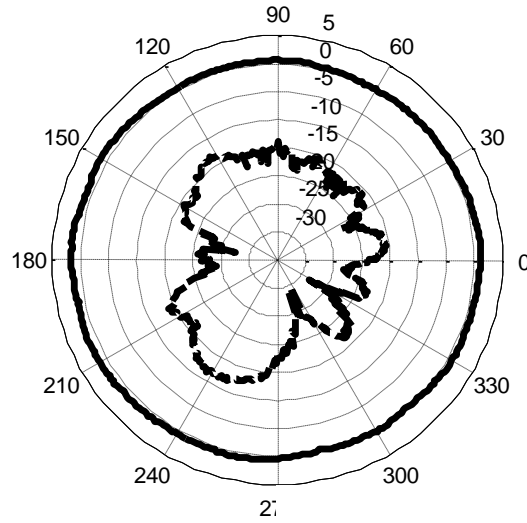


Figure 3 Reflection Parameters for Folded Configuration (S11)

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TYPICAL ANTENNA RADIATION PERFORMANCE

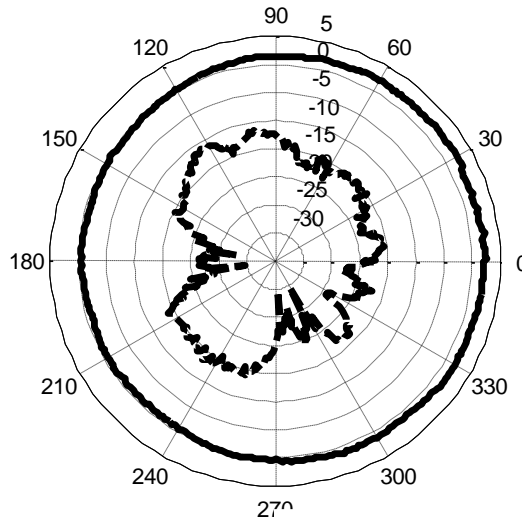
LSR ANTENNA STRAIGHT 2405 MHz



____ Vertical Polarization Gain (dBi)

----- Horizontal Polarization Gain (dBi) min: -29.7 max: -11.2 avg: -17.7

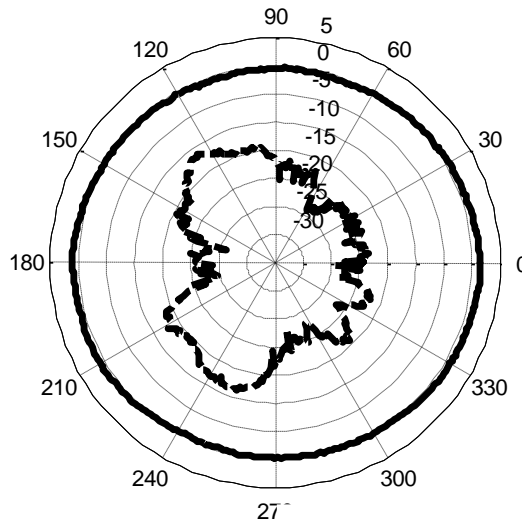
LSR ANTENNA STRAIGHT 2440 MHz



____ Vertical Polarization Gain (dBi)

----- Horizontal Polarization Gain (dBi) min: -29.8 max: -11.2 avg: -17.5

LSR ANTENNA STRAIGHT 2480 MHz

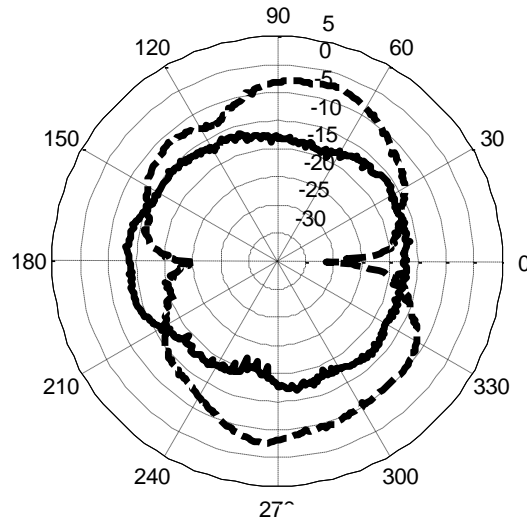


____ Vertical Polarization Gain (dBi)

----- Horizontal Polarization Gain (dBi) min: -26.0 max: -11.1 avg: -17.7

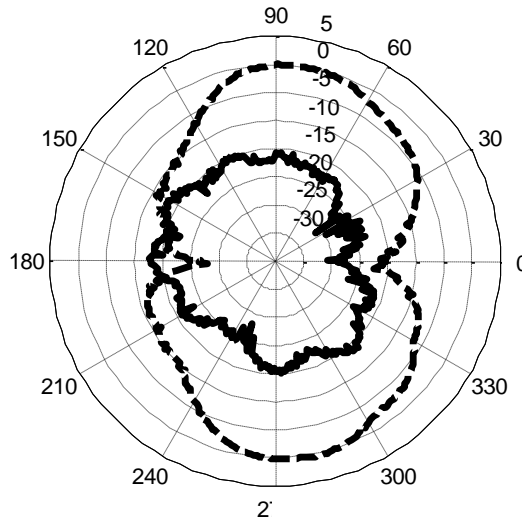
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LSR ANTENNA BENT 2405 MHz



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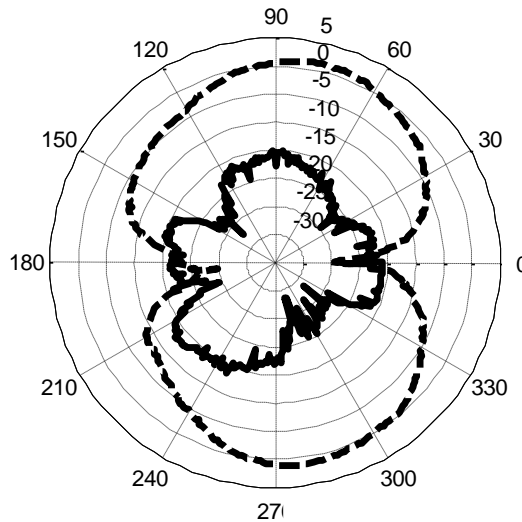
LSR ANTENNA BENT 2440 MHz



____ Vertical Polarization Gain (dBi)

----- Horizontal Polarization Gain (dBi) min: -22.8 max: +0.6 avg: -7.1

LSR ANTENNA BENT 2480 MHz



____ Vertical Polarization Gain (dBi)

----- Horizontal Polarization Gain (dBi) min: -24.7 max: +1.4 avg: -5.7

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