

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.

SPECIFICATIONS

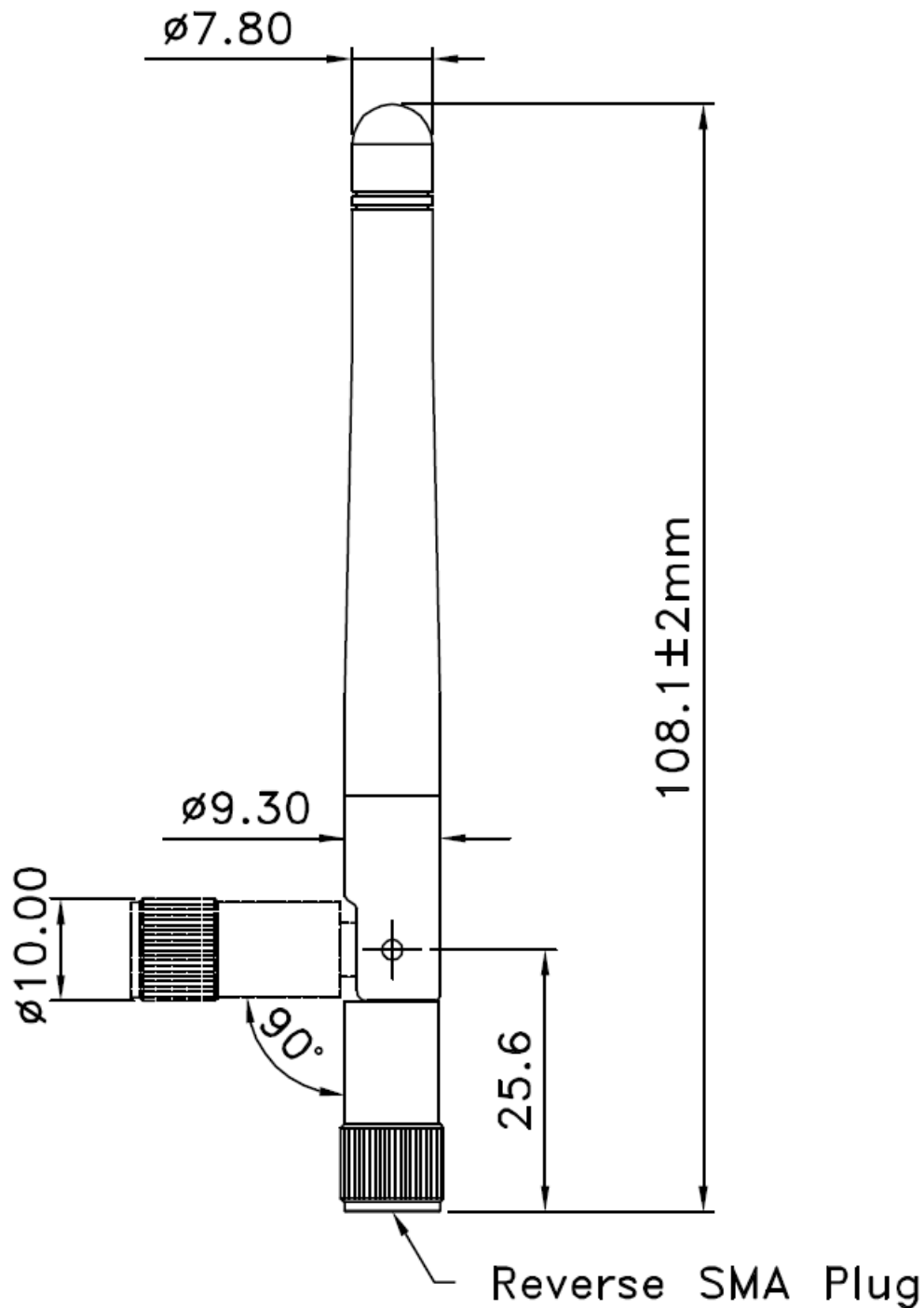
Specification	Value
Average Gain [1]	+1.2 dBi, Typical
Peak Gain [2]	+4.3 dBi, Typical
Impedance	50 ohms, Nominal
Type	Dipole
Polarization	Linear Vertical
VSWR	≤2.5 : 1, Maximum
Frequency	2400-2500MHz
Weight	13g
Size	105×10 mm
Antenna Color	Black

[1] Average over all Co-Polar Responses over Frequency, Azimuth Pattern and Elevation Pattern.

[2] Maximum Gain over all Co-Polar Responses over Frequency, Azimuth Pattern and Elevation Pattern.

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PHYSICAL DIMENSIONS (MM)



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TYPICAL ANTENNA REFLECTION PERFORMANCE

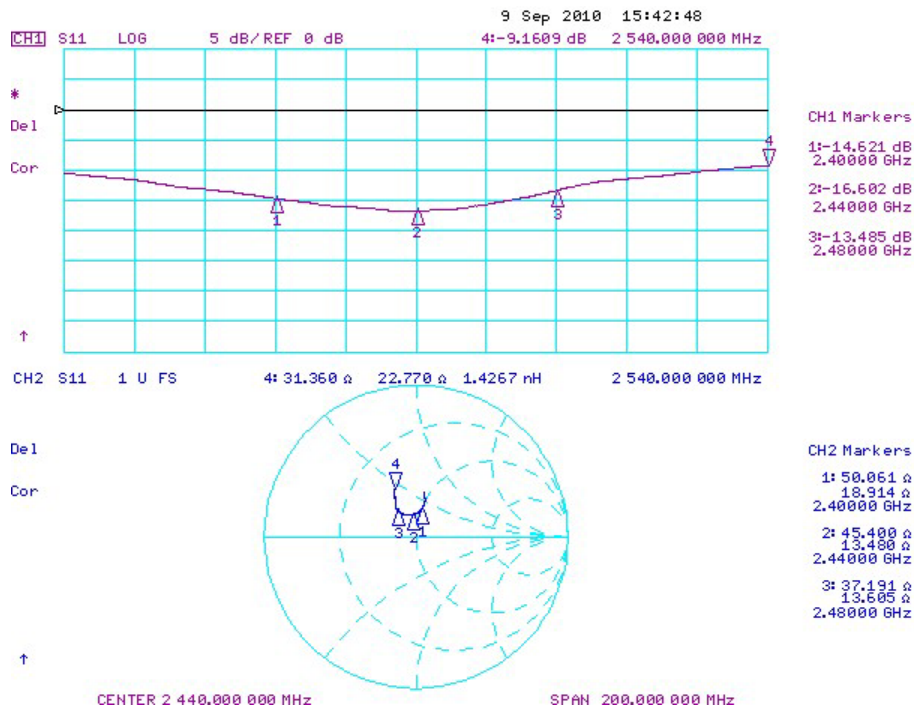


Figure 1 Reflection Parameters for Extended Configuration (S11)

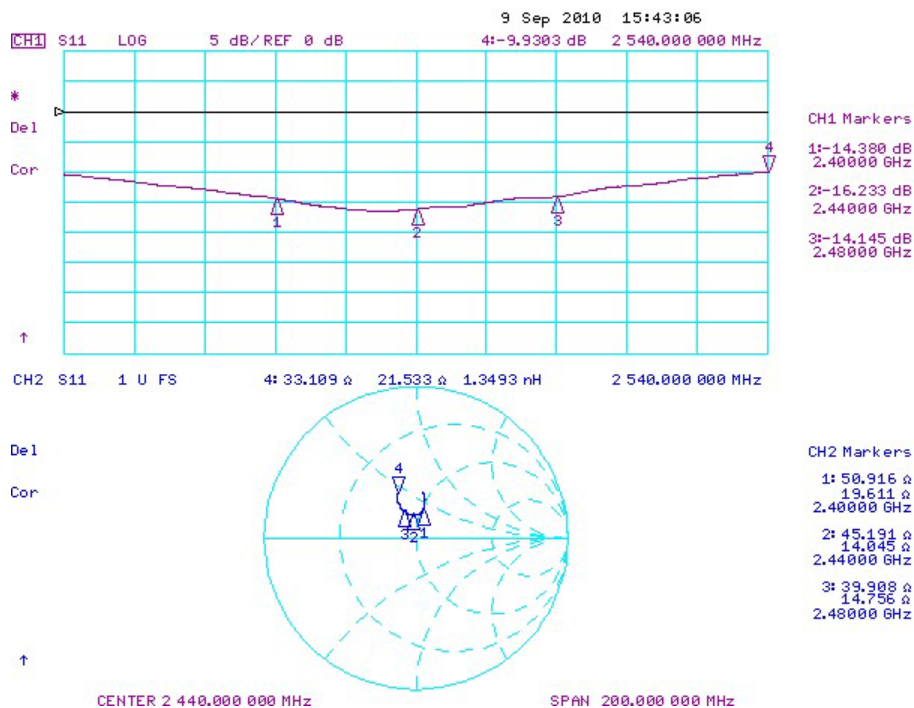


Figure 2 Reflection Parameters for Folded Configuration (S11)

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TYPICAL ANTENNA RADIATION PERFORMANCE

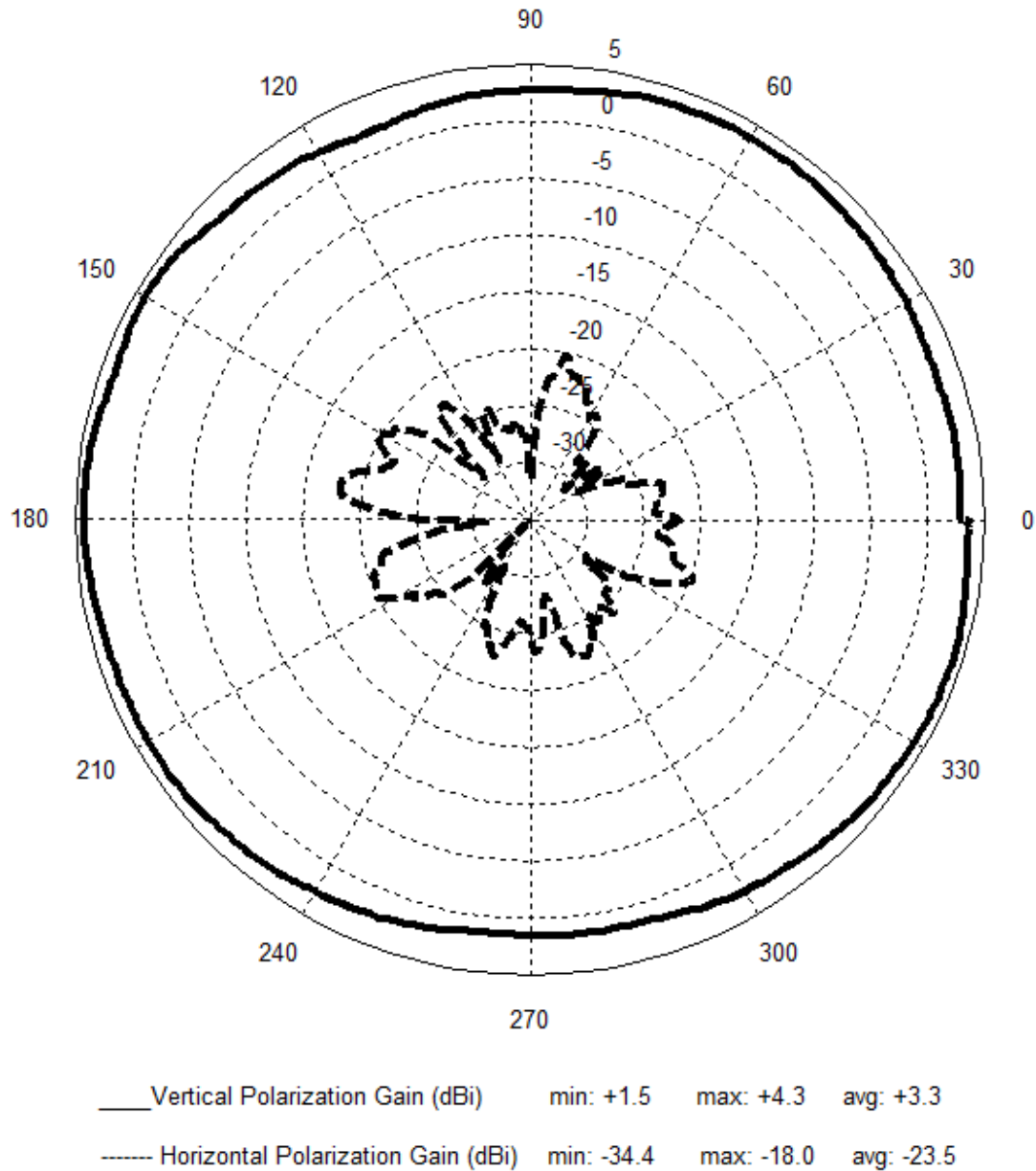
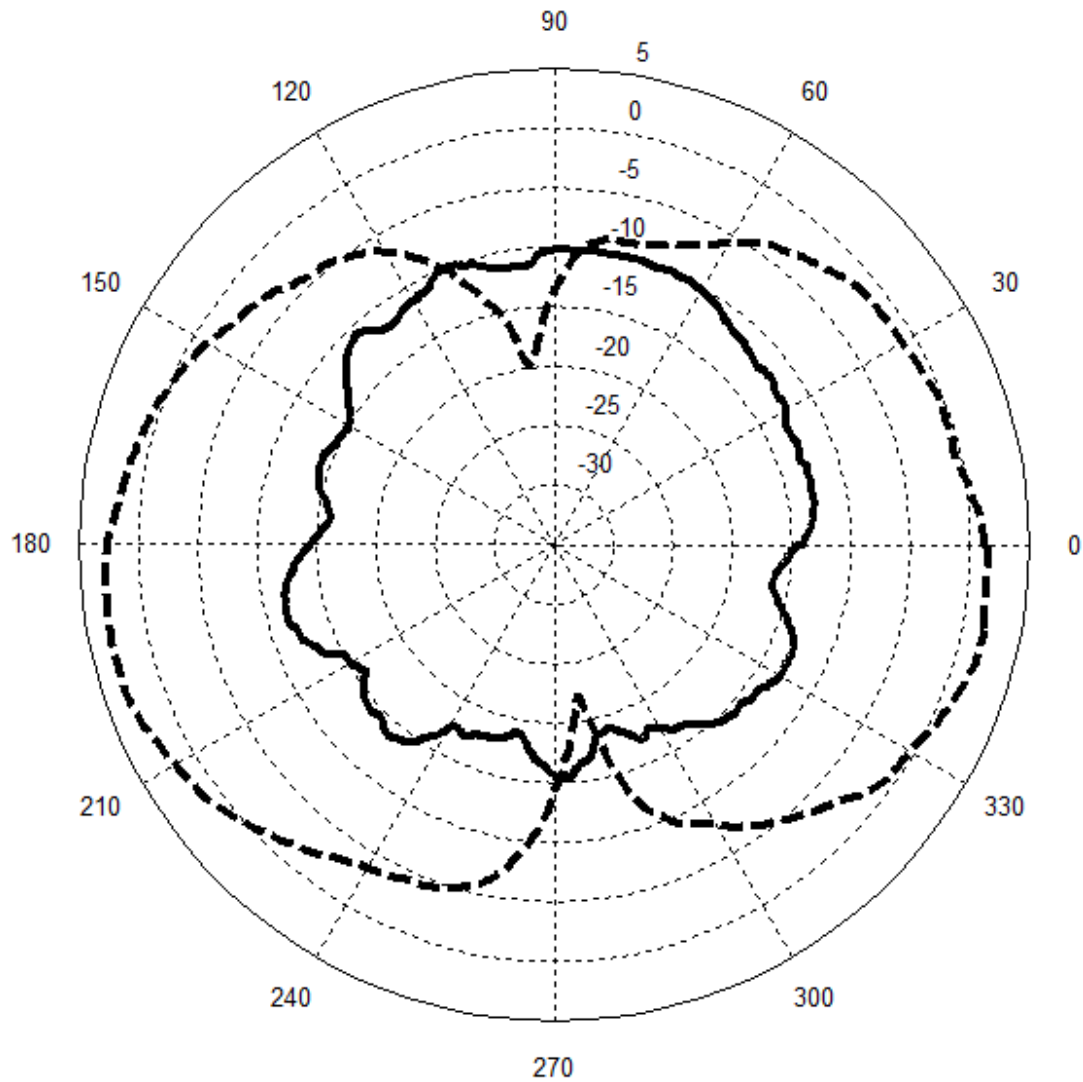


Figure 3 Antenna Power Gain Performance at 2400 MHz, Azimuth Pattern

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_____ Vertical Polarization Gain (dBi) min: -19.0 max: -9.9 avg: -13.1
 - - - - - Horizontal Polarization Gain (dBi) min: -22.1 max: +3.1 avg: -1.4

Figure 4 Antenna Power Gain Performance at 2400 MHz, Elevation Pattern

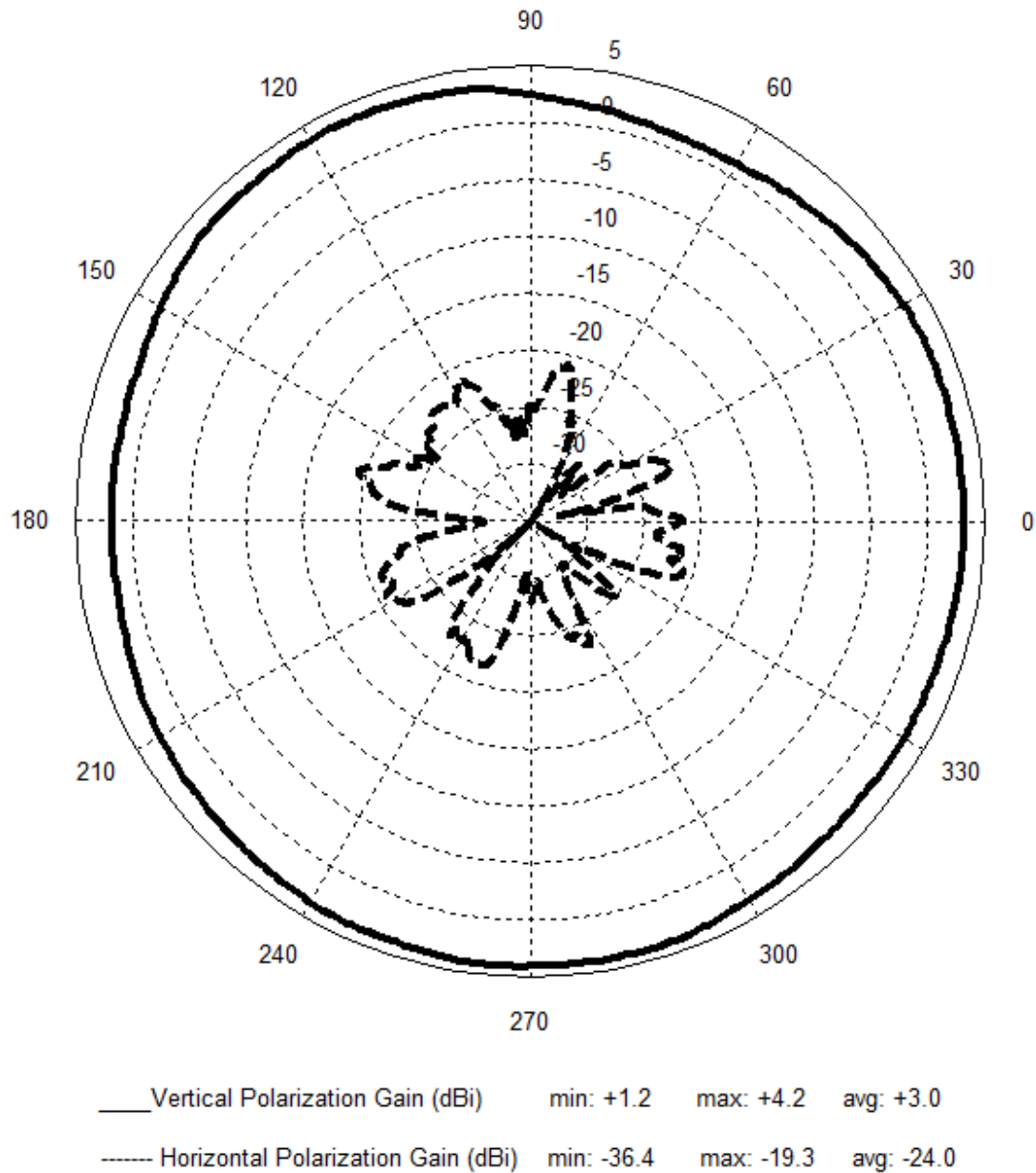


Figure 5 Antenna Power Gain Performance at 2440 MHz, Azimuth Pattern

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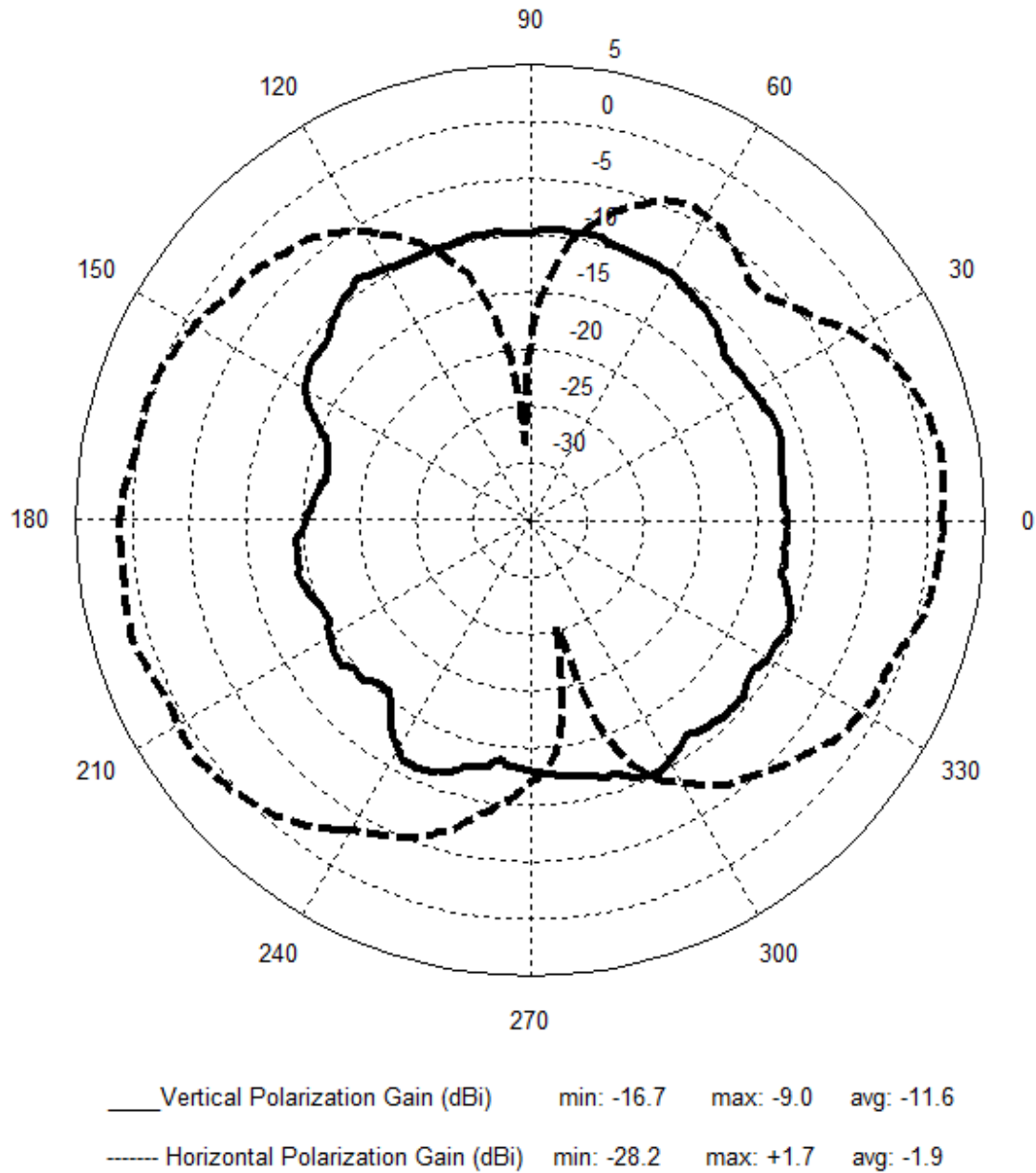
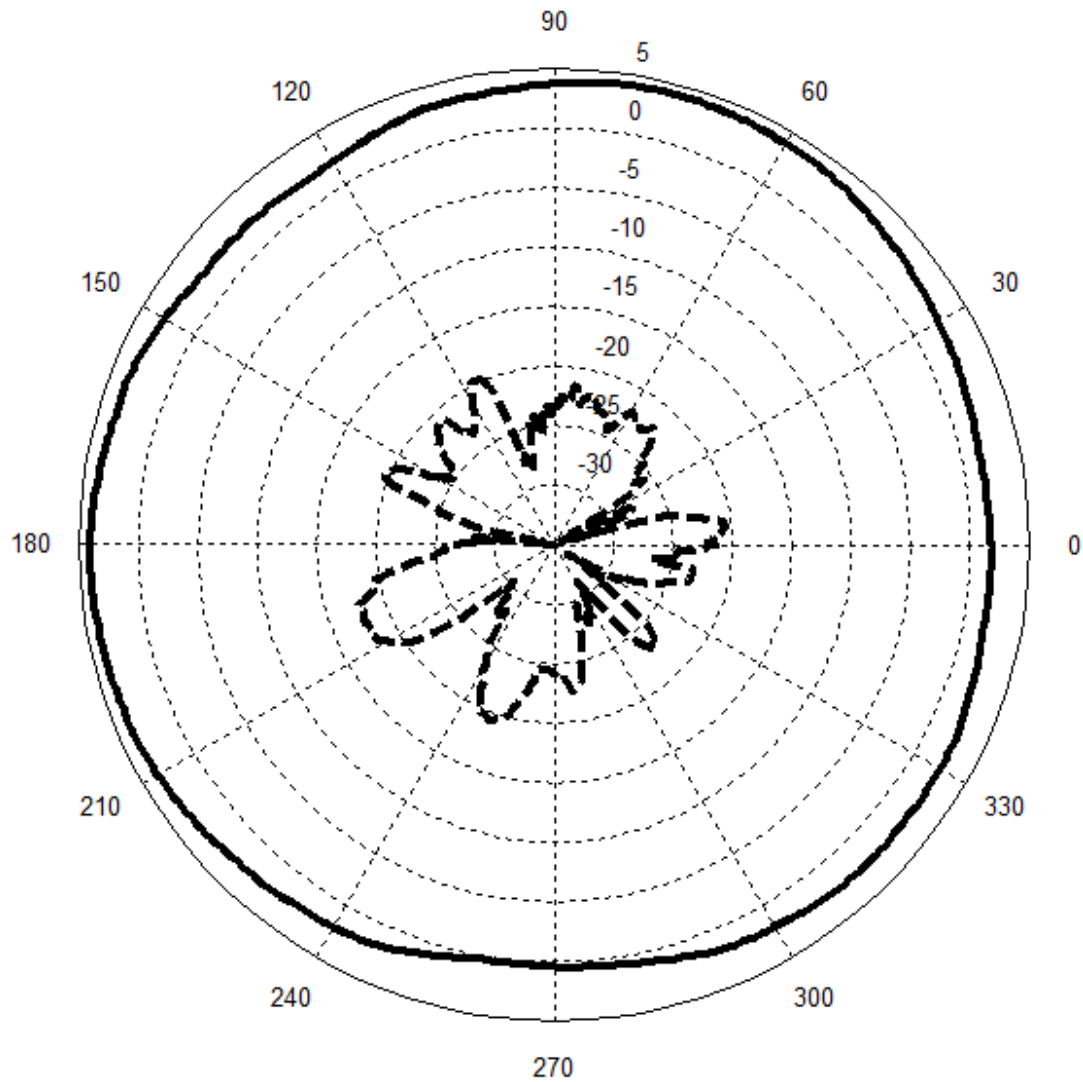


Figure 6 Antenna Power Gain Performance at 2440 MHz, Elevation Pattern

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_____ Vertical Polarization Gain (dBi) min: +0.4 max: +4.2 avg: +2.7
 - - - - - Horizontal Polarization Gain (dBi) min: -36.0 max: -17.8 avg: -23.1

Figure 7 Antenna Power Gain Performance at 2480 MHz, Azimuth Pattern

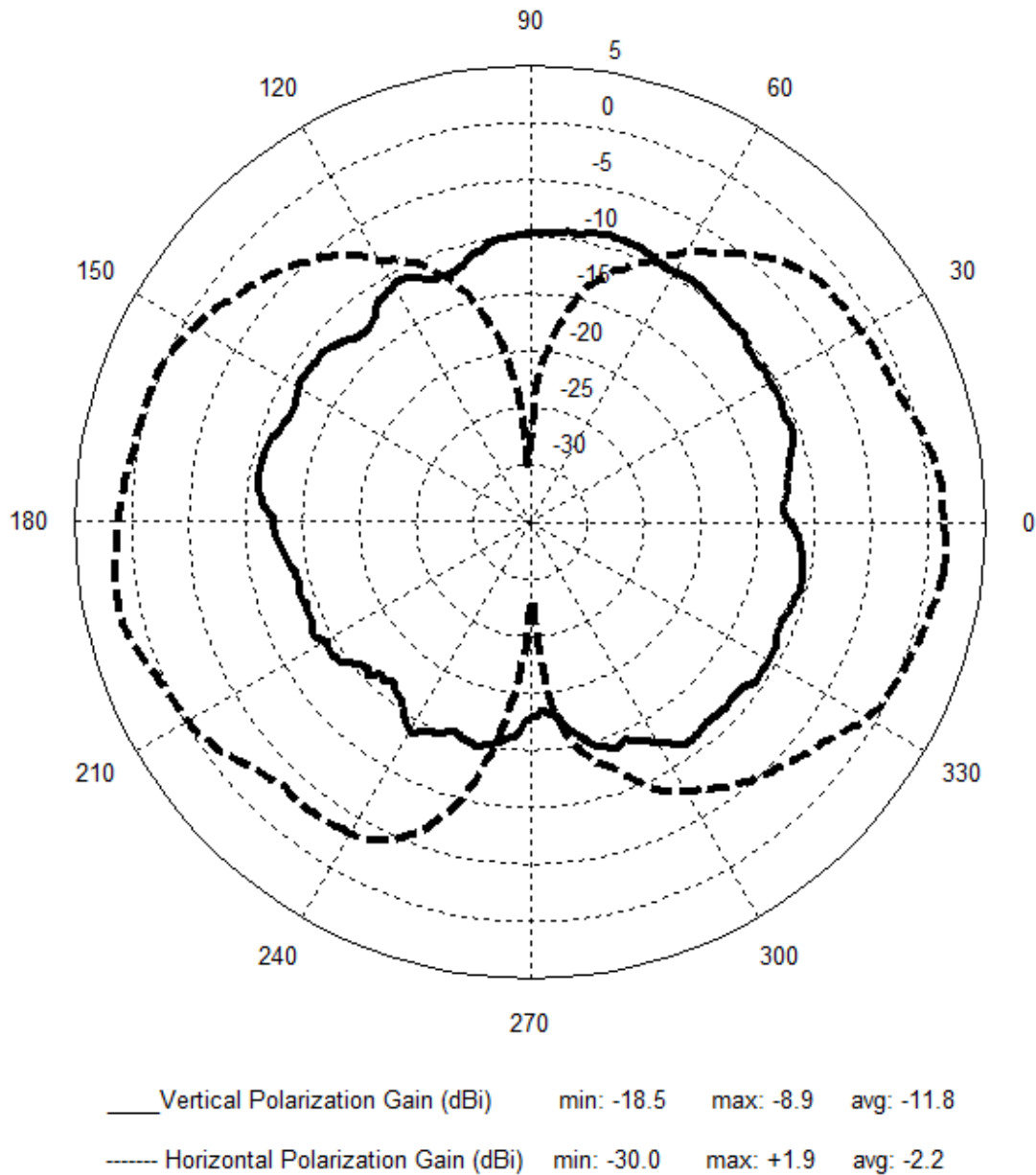


Figure 8 Antenna Power Gain Performance at 2480 MHz, Elevation Pattern

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