

Antenna Specification

Specifications

Summary

ITEM	SPEC.	
Center Frequency	2402 MHz 2441 MHz 2479 MHz	3.85 dBi 3.18 dBi 2.80 dBi
MAX. GAIN	3.85 dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 Ω	

Antenna Photo & Length

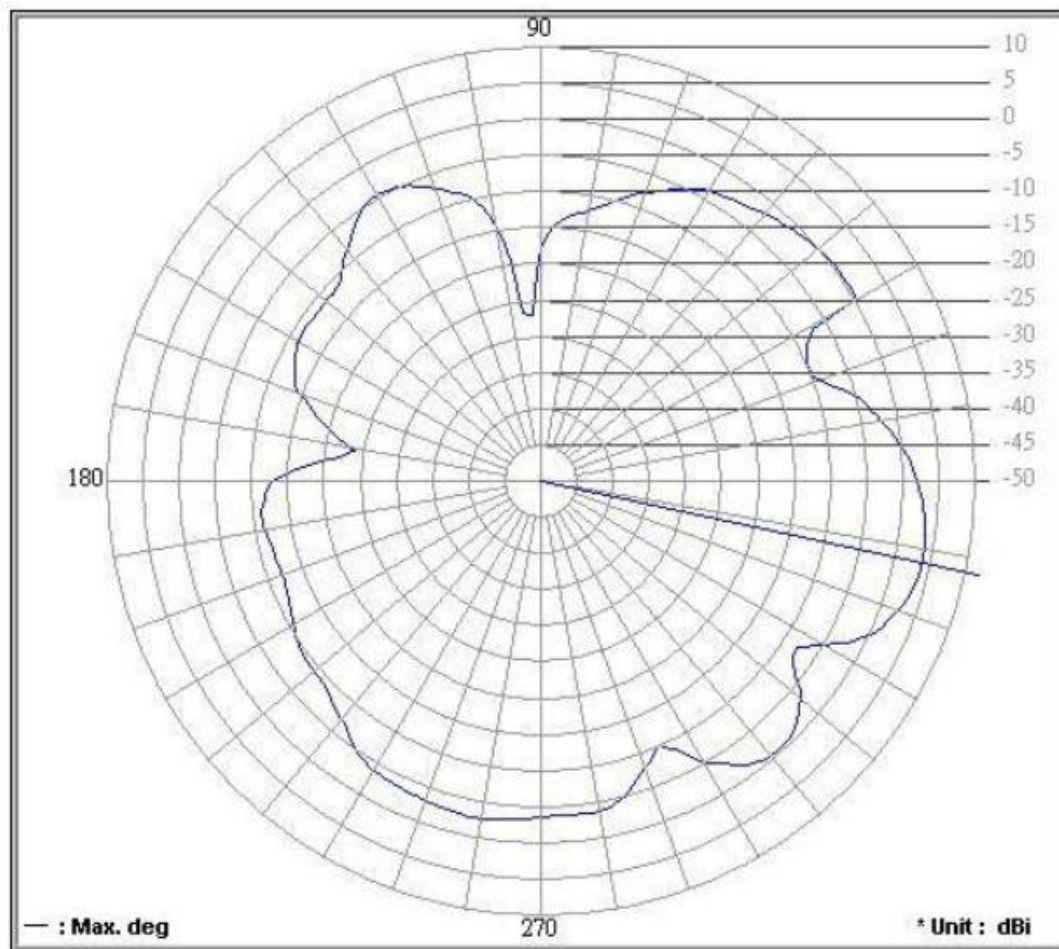


Length = 80mm

Diameter = 1.0mm

1.Main antenna : 2402 MHz

1.1 Horizontal



Frequency (MHz) : **2402.00**

Antenna Polarity : **Horizontal**

Average Gain (dB) : **-3.64**

Maximum Gain (dB) : **3.85**

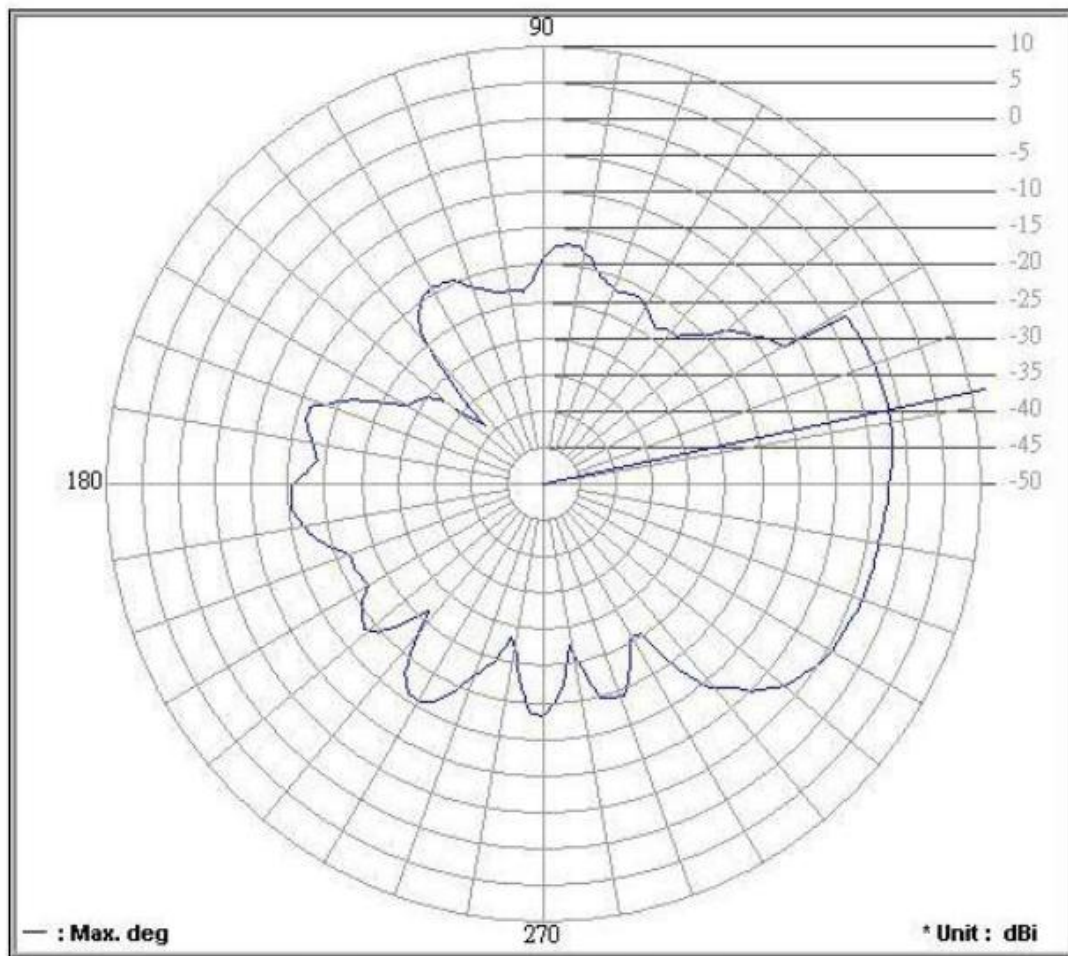
Maximum Gain (degree) : **348**

Minimum Gain (dB) : **-27.08**

Minimum Gain (degree) : **93**

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1.2 Vertical



Frequency (MHz) : **2402.00**

Antenna Polarity : **Vertical**

Average Gain (dBi) : **-9.57**

Maximum Gain (dBi) : **-1.54**

Maximum Gain (degree) : **12**

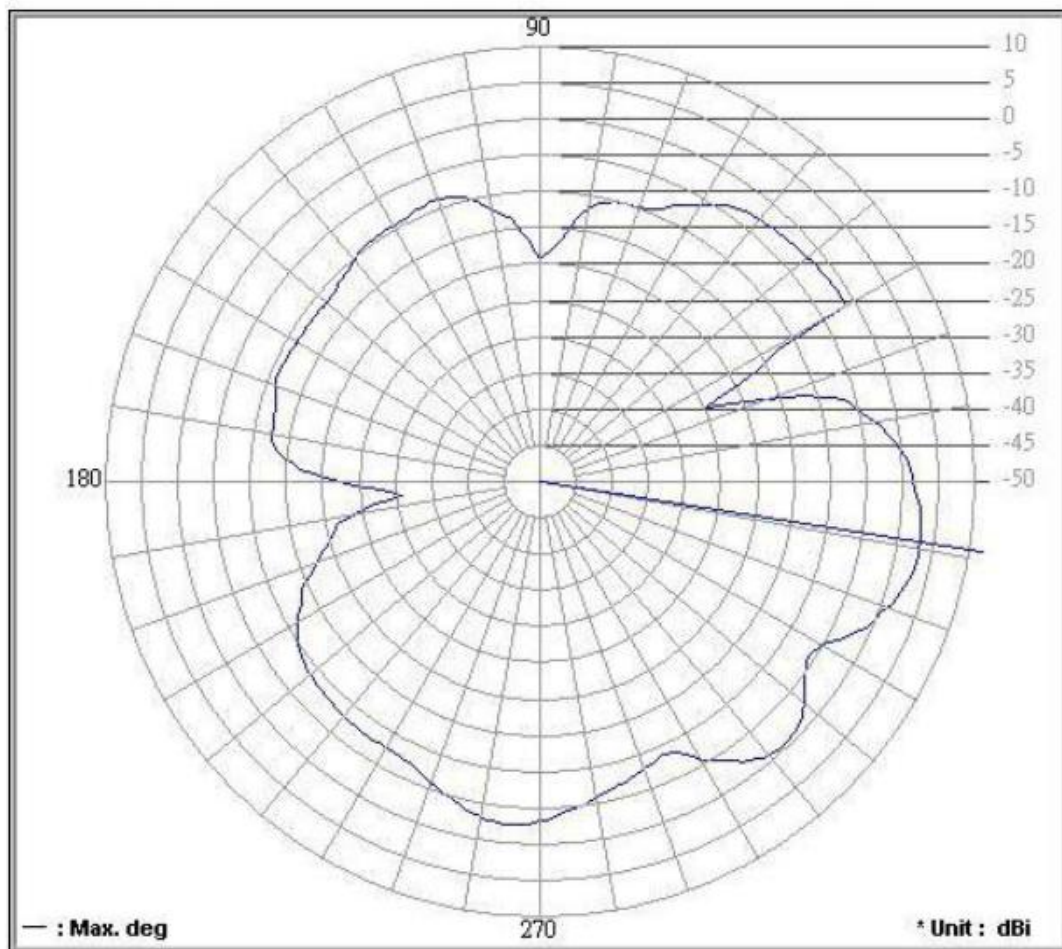
Minimum Gain (dBi) : **-38.76**

Minimum Gain (degree) : **135**

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2.Main antenna : 2441MHz

2.1 Horizontal



Frequency (MHz) : **2441.00**

Antenna Polarity : **Horizontal**

Average Gain (dB) : **-4.64**

Maximum Gain (dB) : **3.18**

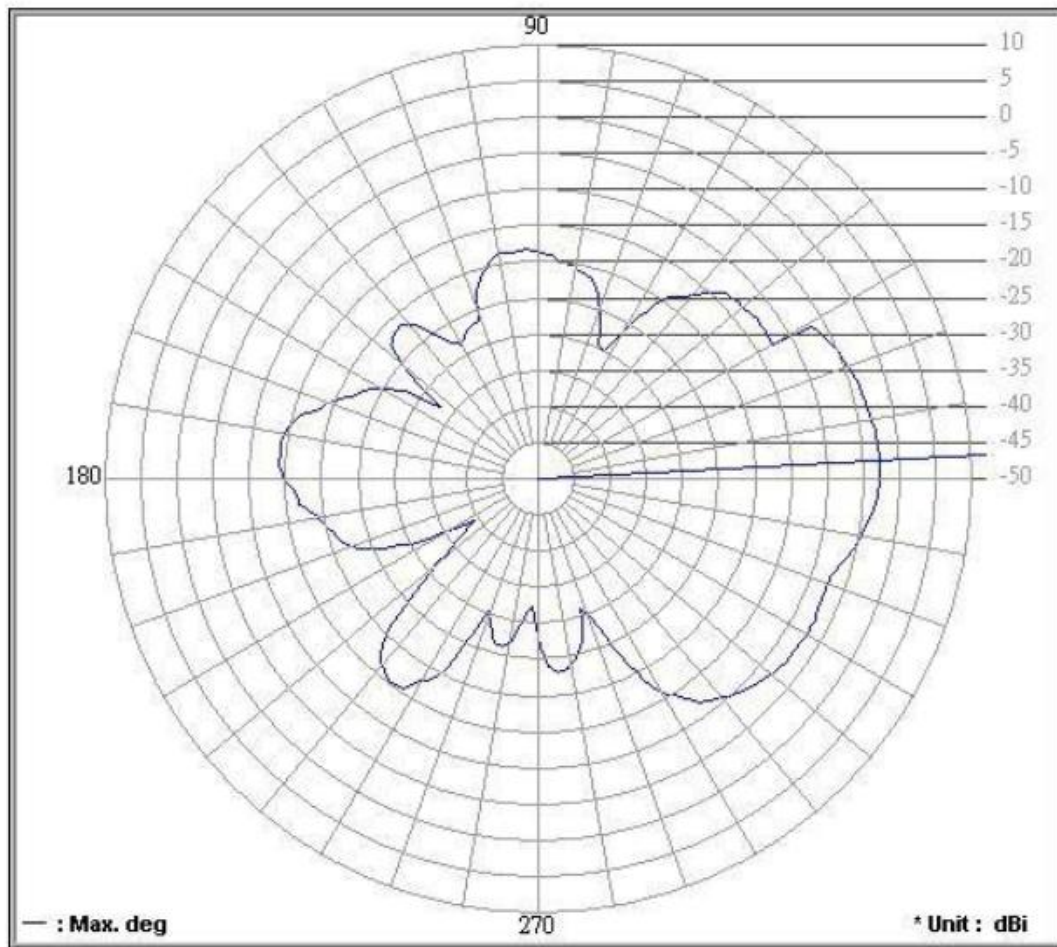
Maximum Gain (degree) : **351**

Minimum Gain (dB) : **-30.92**

Minimum Gain (degree) : **186**

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2.2 Vertical



Frequency (MHz) : **2441.00**

Antenna Polarity : **Vertical**

Average Gain (dB) : **-11.06**

Maximum Gain (dB) : **-2.58**

Maximum Gain (degree) : **3**

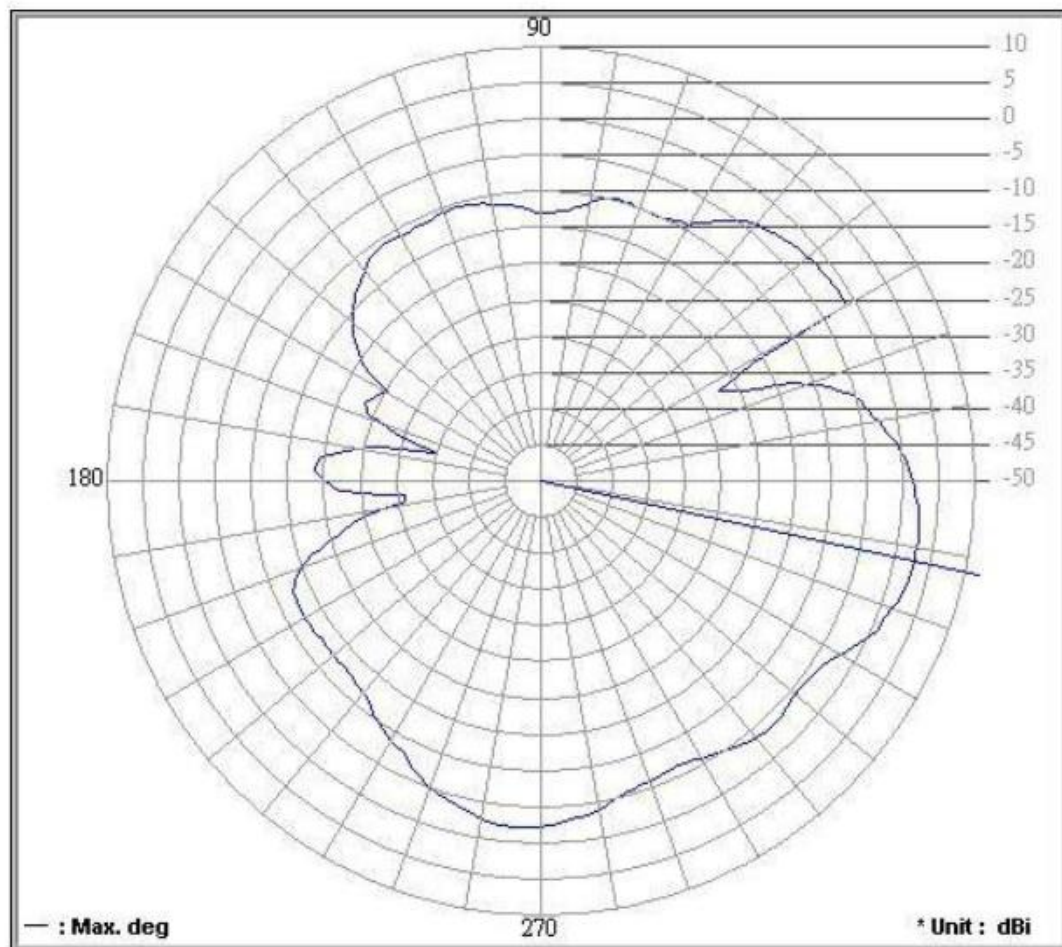
Minimum Gain (dB) : **-39.35**

Minimum Gain (degree) : **213**

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3.Main antenna : 2479 MHz

3.1 Horizontal



Frequency (MHz): **2479.00**

Antenna Polarity: **Horizontal**

Average Gain (dB): **-4.84**

Maximum Gain (dB): **2.80**

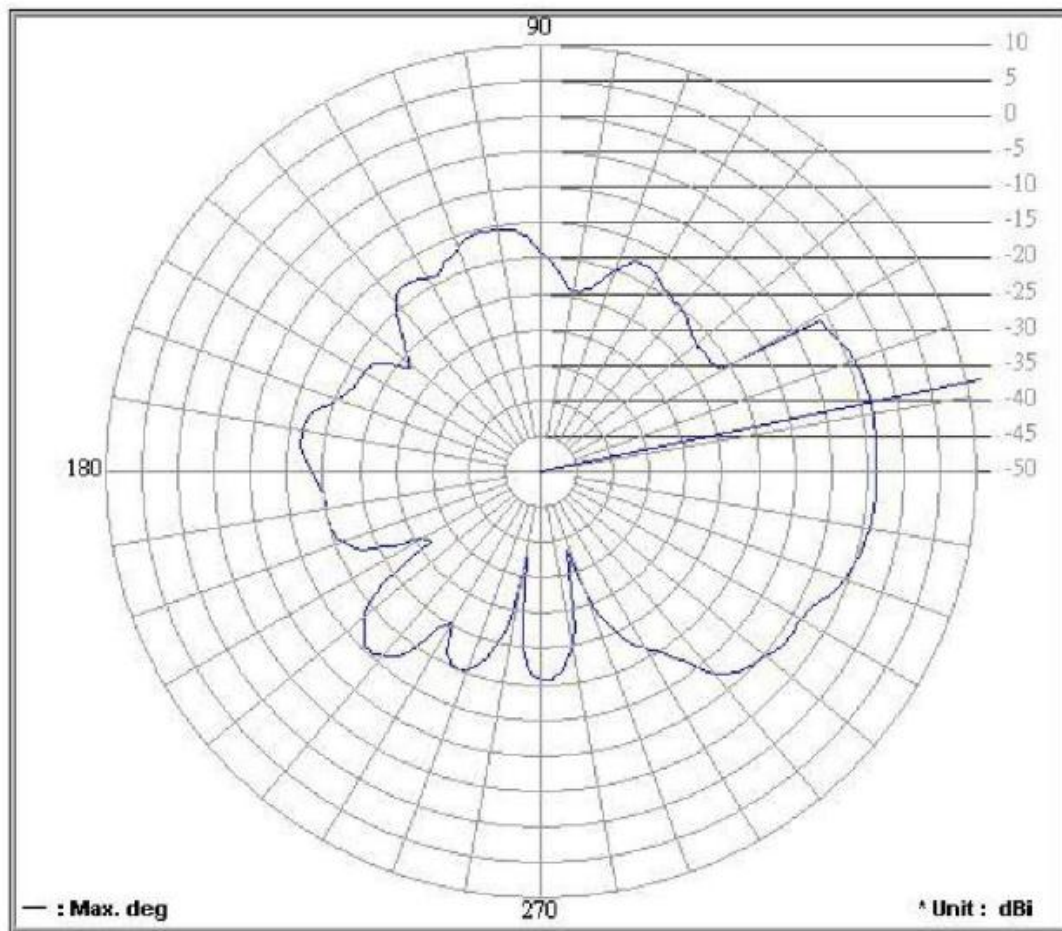
Maximum Gain (degree): **348**

Minimum Gain (dB): **-34.80**

Minimum Gain (degree): **165**

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3.2 Vertical



Frequency (MHz) : **2479.00**

Antenna Polarity : **Vertical**

Average Gain (dB) : **-11.34**

Maximum Gain (dB) : **-3.47**

Maximum Gain (degree) : **12**

Minimum Gain (dB) : **-38.33**

Minimum Gain (degree) : **288**

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4. Result

Center Frequency		Maximum Ant Gain
2402 MHz	H	3.85 dBi
	V	-1.54 dBi
2441 MHz	H	3.18 dBi
	V	-2.58 dBi
2479 MHz	H	2.80 dBi
	V	-3.47 dBi