

Antenna Specification

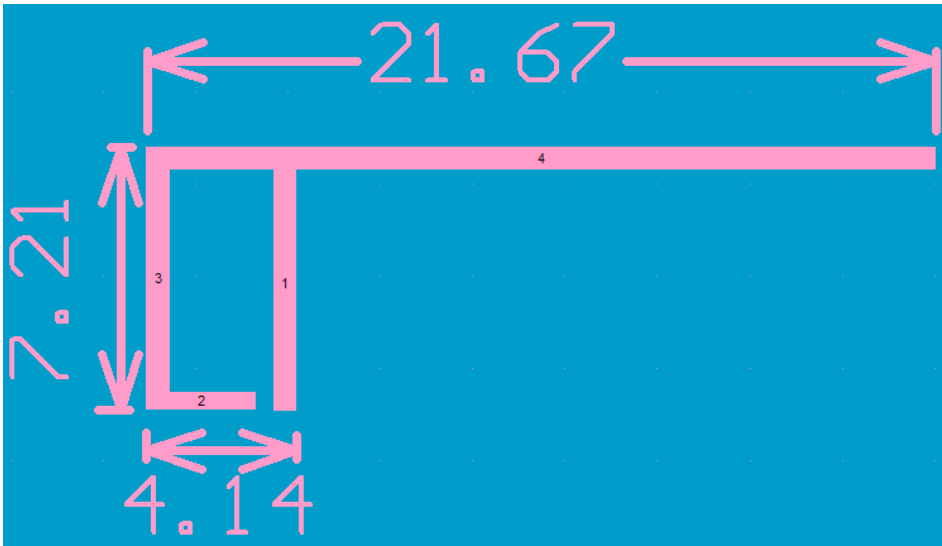
Manufacture: SARIANA LLC

Specifications

Summary

ITEM	SPEC.	
Model Name	2.4 GHz	
Center Frequency	2402 MHz 2442 MHz 2480 MHz	
MAX. GAIN	-1 dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 Ω	
Antenna Length	2.16cm	

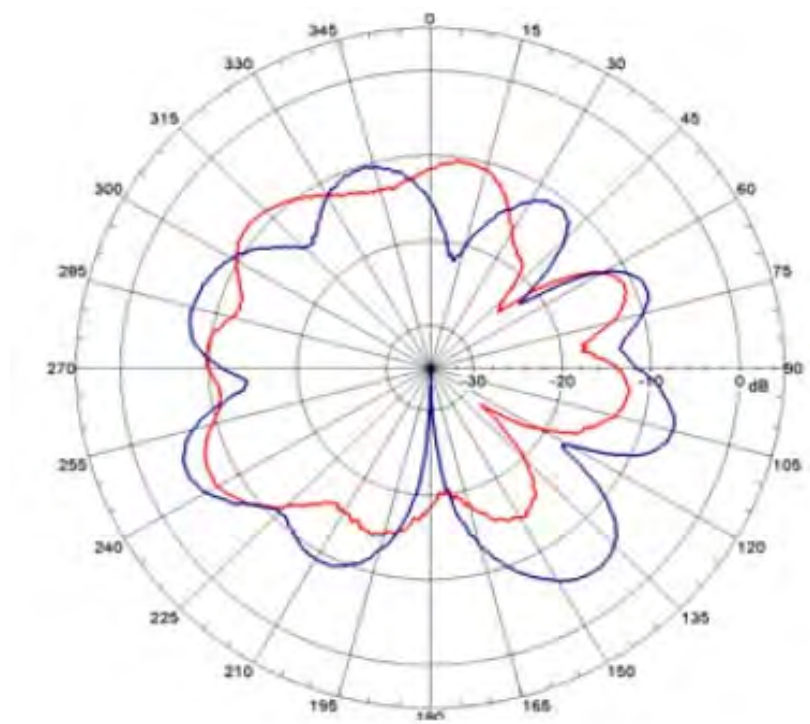
Antenna Photo & Length (mm)



1. Main antenna : 2402 MHz

1.1 Horizontal

(green line: Etheta.Gmax)
(red line: Ephi.Gmax)



Frequency(MHZ): **2402**

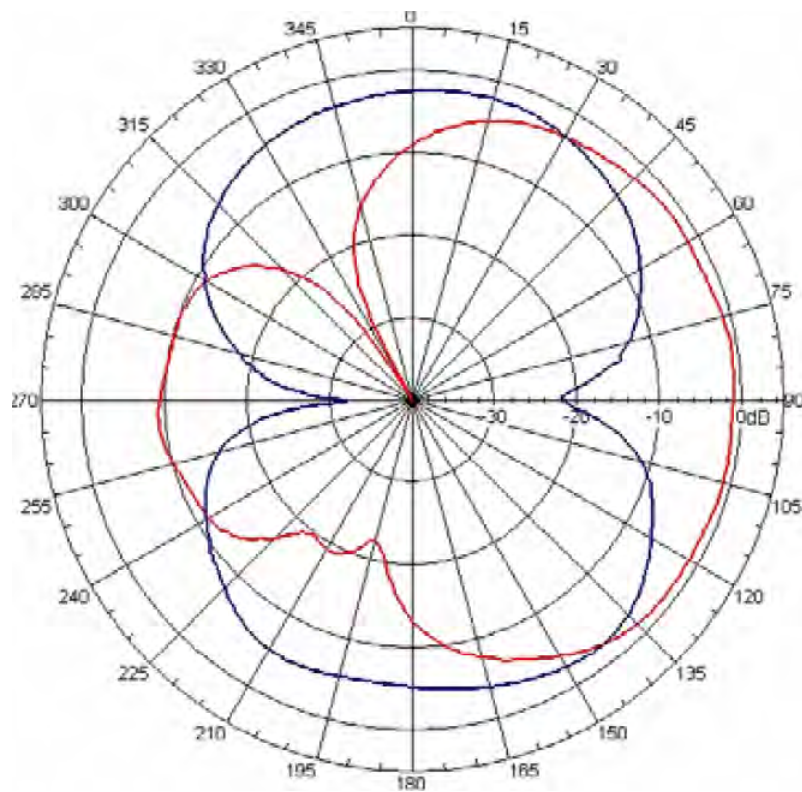
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **-6.2**

Average Gain(dBi) : **-2.48**

Minimum Gain(dBi): **-55.18**

1.2 Vertical (green line: Etheta.Gmax)
(red line: Ephi.Gmax)



Frequency(MHZ): **2402**

Antenna Polarity: **Vertical**

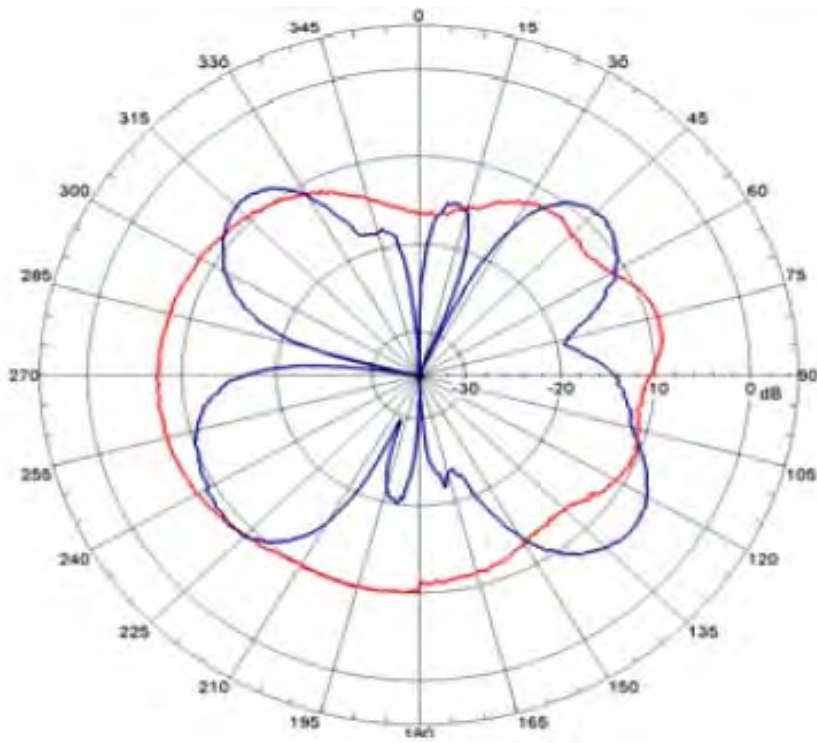
Maximum Value(dBi): **-1.00**

Average Gain(dBi) : **-6.8**

Minimum Gain(dBi): **-62.3**

2. Main antenna : 2442 MHz

2.1 Horizontal (green line: $E_{\theta}G_{max}$)
(red line: $E_{\phi}G_{max}$)



Frequency(MHZ): **2442**

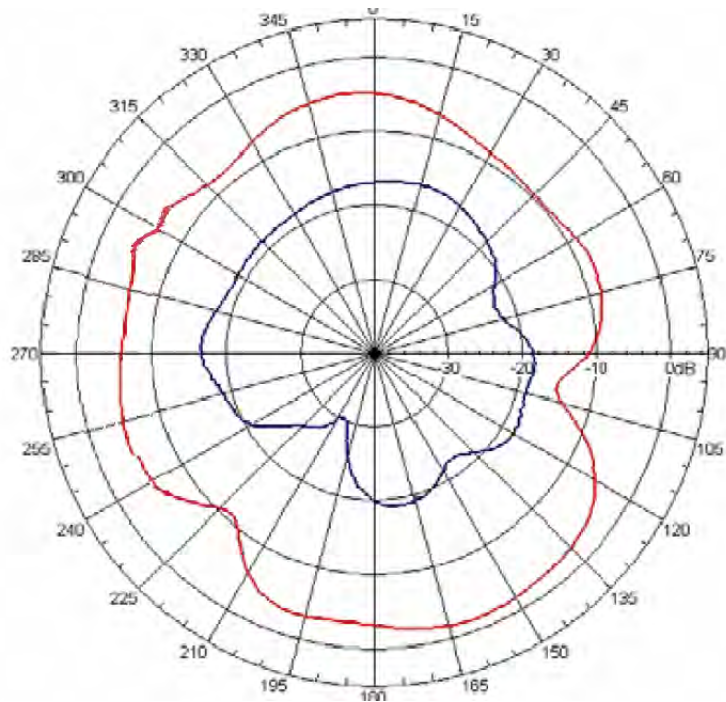
Antenna Polarity: **Horizontal**

Maximum Value(dBi): **-8.41**

Average Gain(dBi) : **-10.00**

Minimum Gain(dBi): **-47.4**

2.2 Vertical (green line: $E_{\theta}(\text{Gmax})$)
(red line: $E_{\phi}(\text{Gmax})$)



Frequency(MHZ): **2442**

Antenna Polarity: **Vertical**

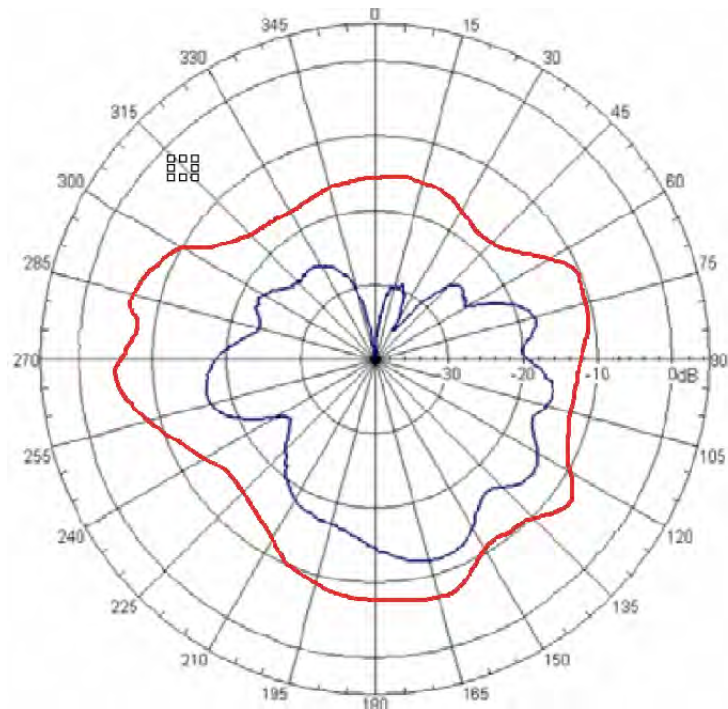
Maximum Value(dBi): **-1.41**

Average Gain(dBi) : **- 4.00**

Minimum Gain(dBi): **-47.4**

2. Main antenna : 2480 MHz

2.1 Horizontal (green line: Etheta.Gmax) (red line: Ephi.Gmax)



Frequency(MHZ): **2480**

Antenna Polarity: **Horizontal**

Maximum Value(dBi): **-5.06**

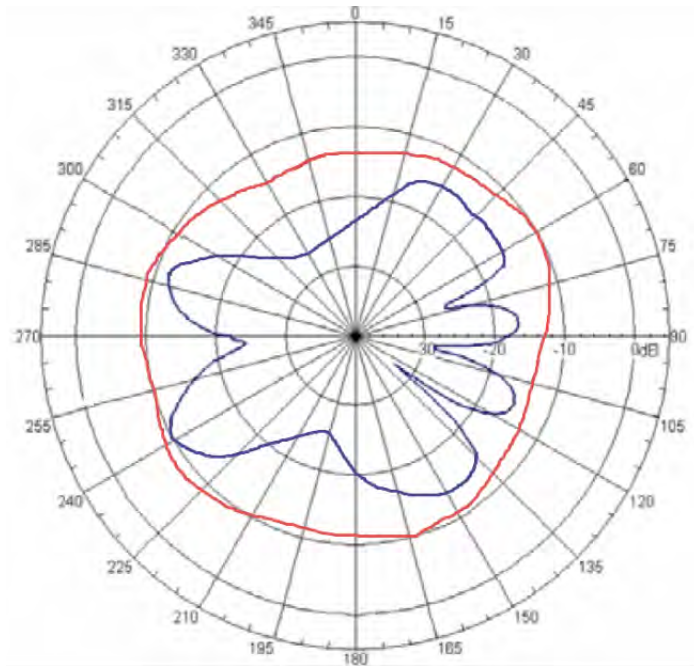
Average Gain(dBi) : **-10.31**

Minimum Gain(dBi): **-58.9**

2.2 Vertical

(green line: Etheta.Gmax)

(red line: Ephi.Gmax)



Frequency(MHZ): **2480**

Antenna Polarity: **Vertical**

Maximum Value(dBi): **-10.0**

Average Gain(dBi) : **-24.11**

Minimum Gain(dBi): **-44.00**