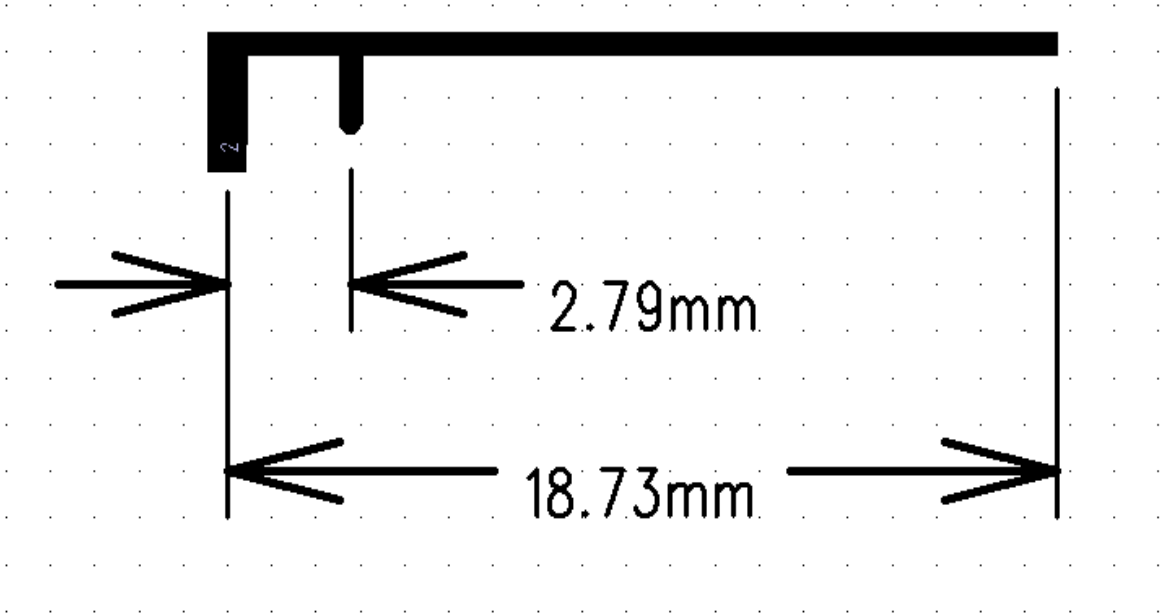


ANTENNA SPECIFICATION

Summary

ITEM	ANT SPEC					
Model Name	2.4G ANT					
Center Frequency (dBi)	Horizontal			Vertical		
	2400Mhz	2450Mhz	2500Mhz	2400Mhz	2450Mhz	2500Mhz
	-1.78168	-0.83632	0.58	-6.1318	-3.7495	-2.3976
MAX. Gain	0.58dBi					
Polarization	Horizontal and Vertical					
Azimuth Beam pattern	Omni-directional					
Impedance	50 Ohm					
Antenna Length	31.5mm					
Manufacture	Shenzhen Hualu Electronics Co.Ltd South of Lotus Hill, Caitian Road, Futian District, Shenzhen, China					

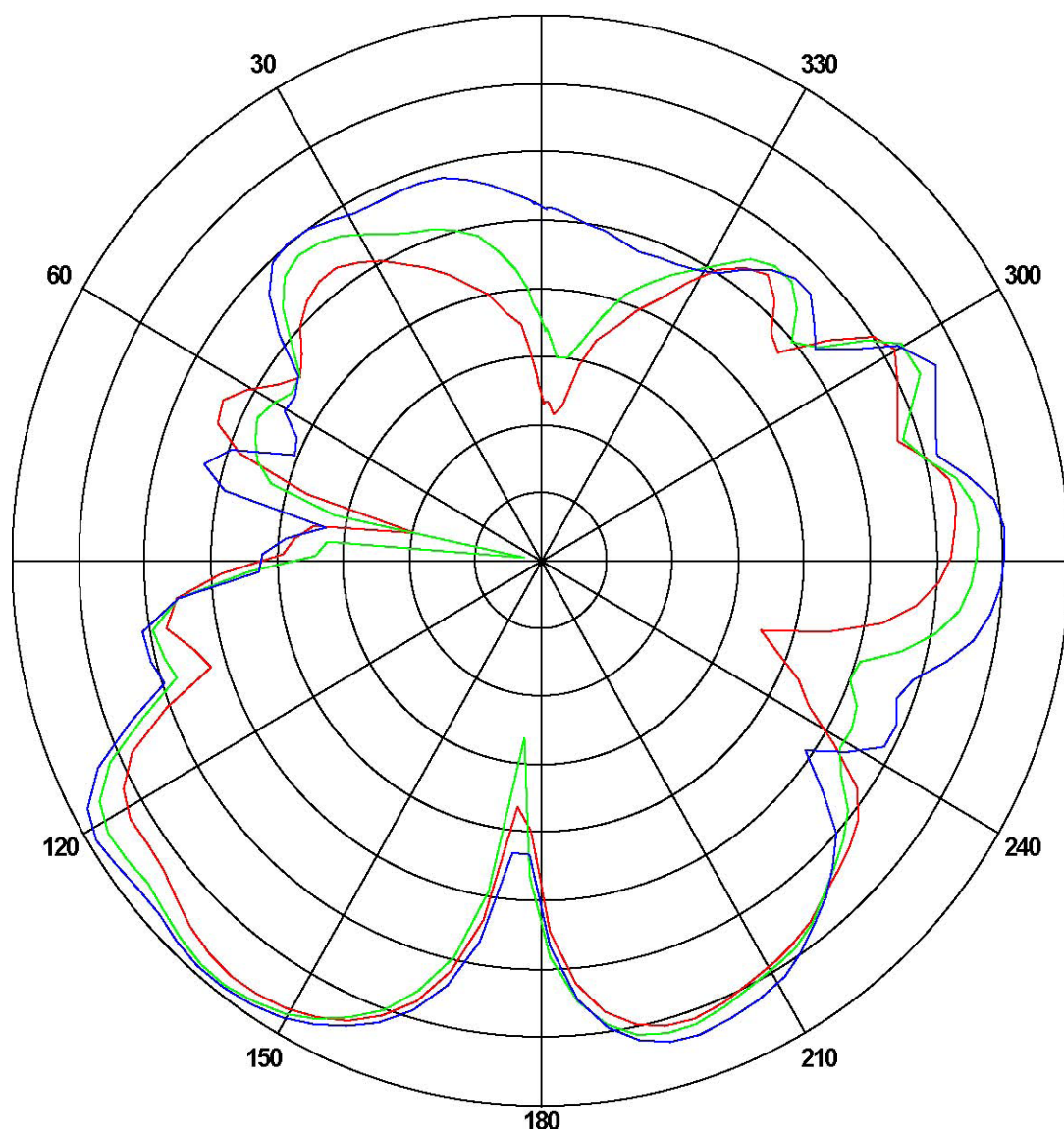
Antenna Photo & Length(mm)



Horizontal:2400MHz 2450MHz 2500MHz

Power (dBm)

Max:0 Min:-40 Scale:5/div

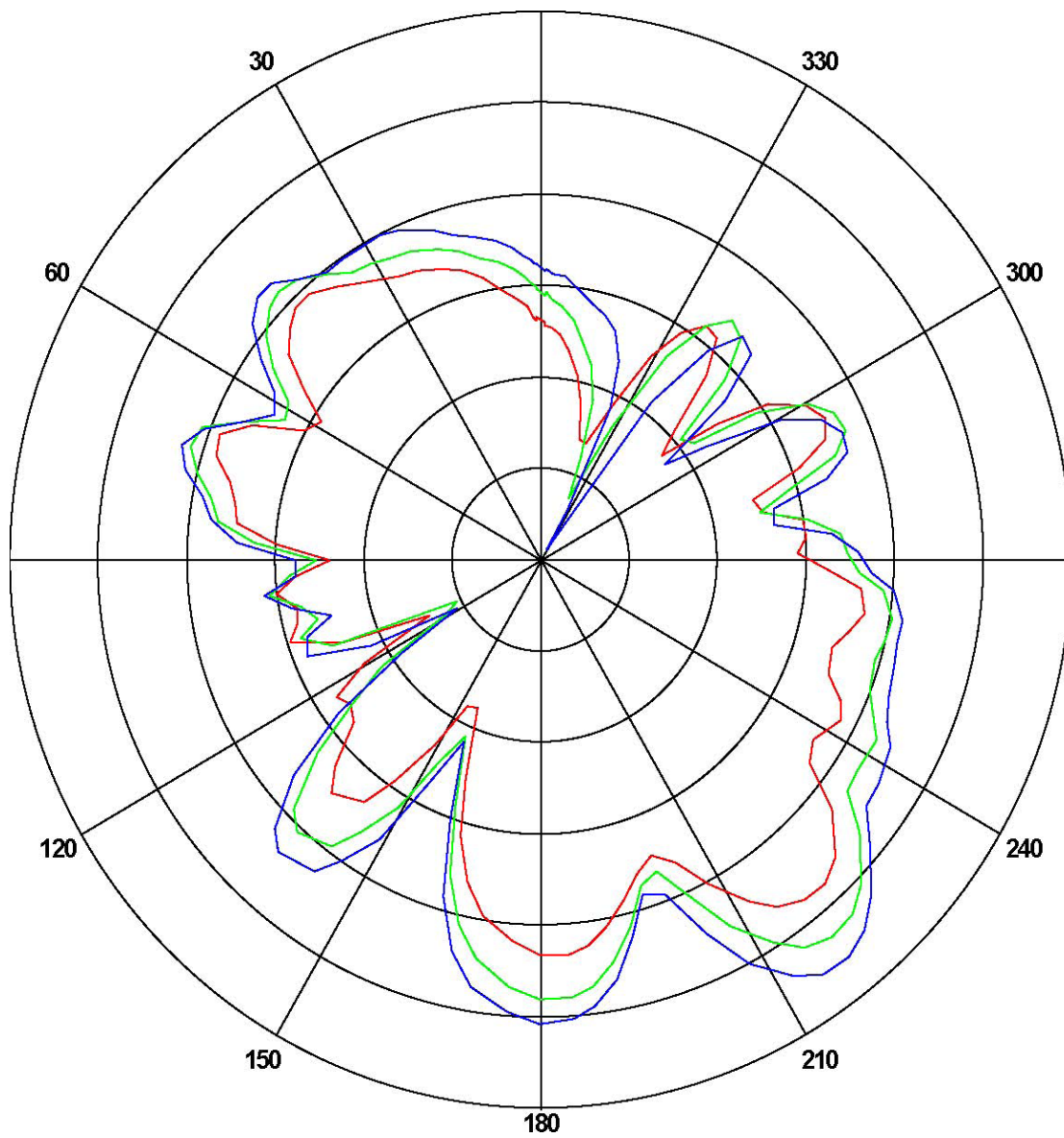


Frequency (MHz) (MHz)	Gain (dBi)		
	Max	Min	Avg
2400	-1.78168	-30.0717	-8.45237
2450	-0.83632	-38.4975	-7.86975
2500	0.58	-24.0188	-6.77921

Vertical:2400MHz 2450MHz 2500MHz

Power (dBm)

Max:0 Min:-30 Scale:5/div



Frequency (MHz) (MHz)	Gain (dBi)		
	Max	Min	Avg
2400	-6.1318	-24.1497	-13.0331
2450	-3.7495	-26.5492	-10.6795
2500	-2.3976	-30.4803	-9.7529