

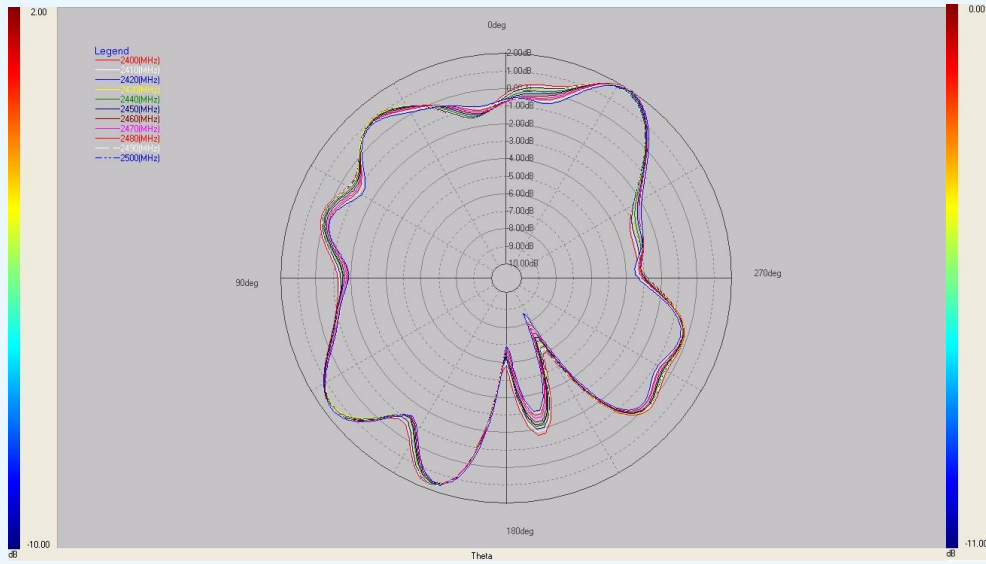
Shenzhen all things connected Communication Co.,Ltd.

WIFI antenna 2.4-58GHz antenna efficiency, gain:1#

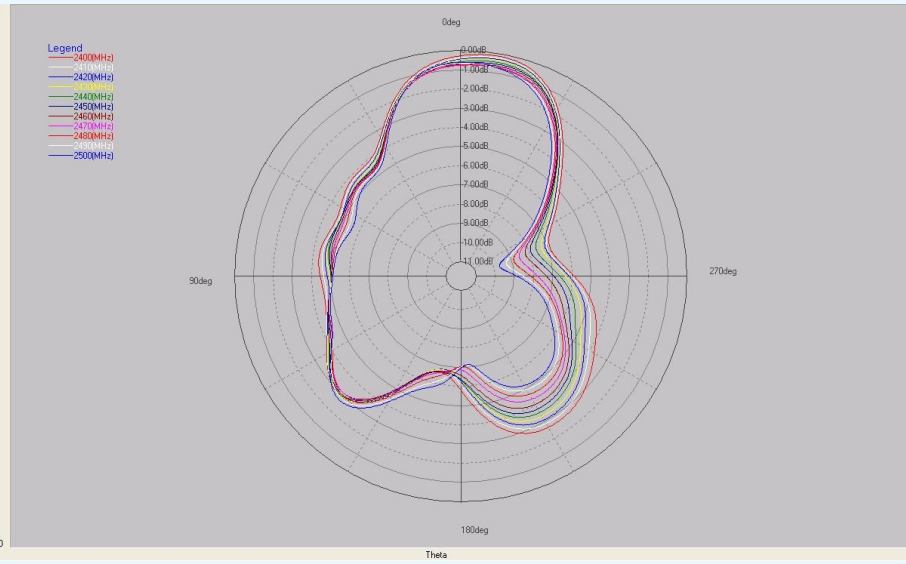
Frequency(MHz)	Efficiency(%)	Gain(dBi)
2400	65%	1.83
2410	65%	1.83
2420	65%	1.87
2430	65%	1.95
2440	66%	1.96
2450	66%	2.00
2460	66%	2.06
2470	66%	2.13
2480	67%	2.21
2490	67%	2.23
2500	66%	2.29

Frequency (MHz)	Efficiency(y%)	Gain(dBi)
5200	47%	2.60
5300	45%	2.62
5400	49%	2.85
5500	52%	3.09
5600	48%	3.11
5700	47%	3.19
5800	47%	2.87

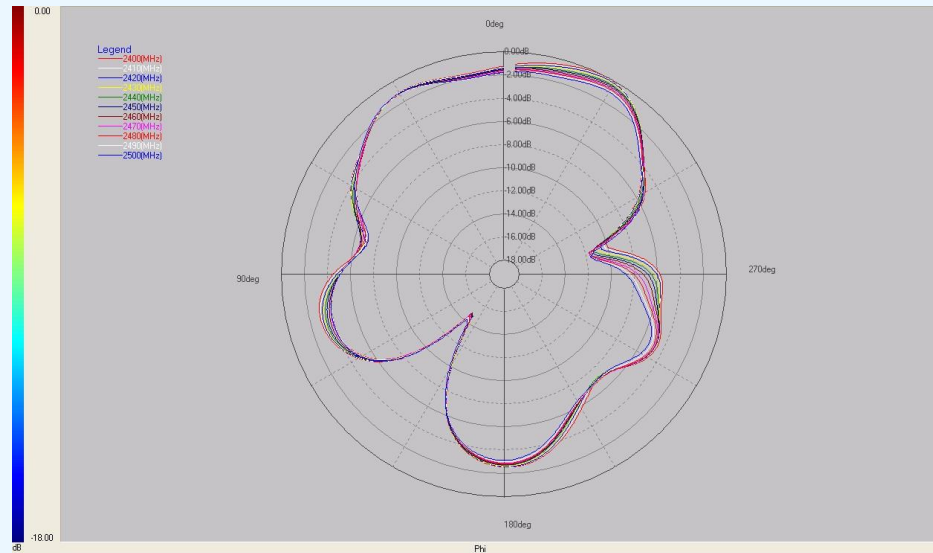
2.4GHz antenna orientation diagram



$\Phi=0$

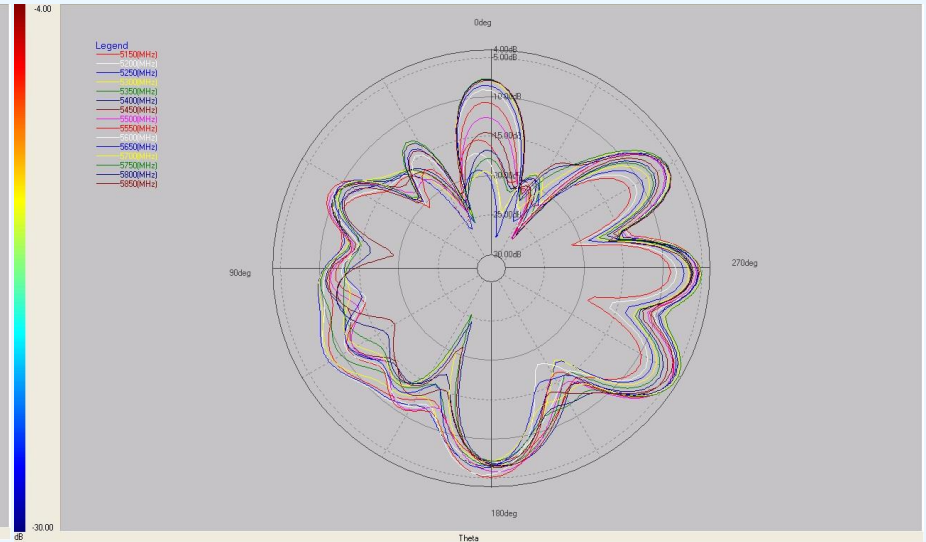
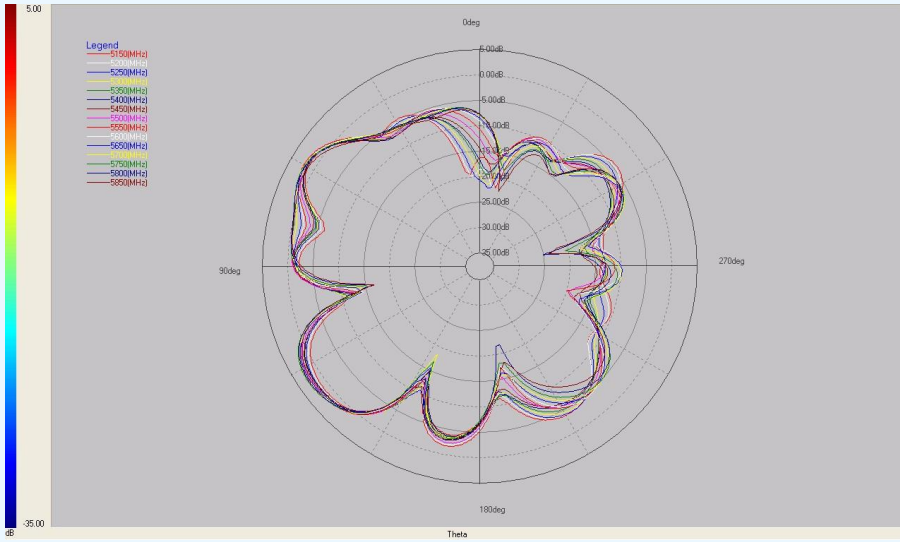


$\Phi=90$



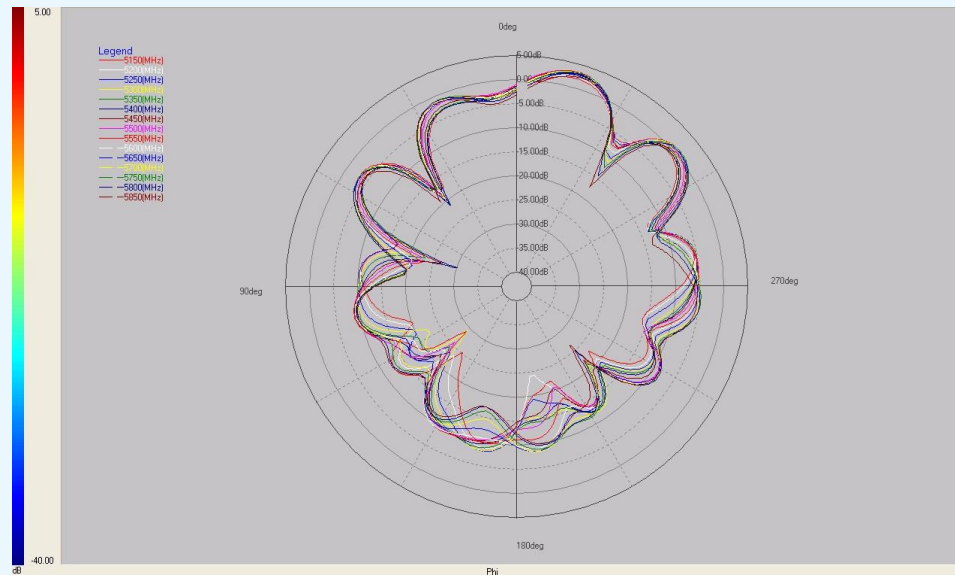
$\Theta=90$

5.8GHz antenna orientation diagram



$\Phi=0$

$\Phi=90$



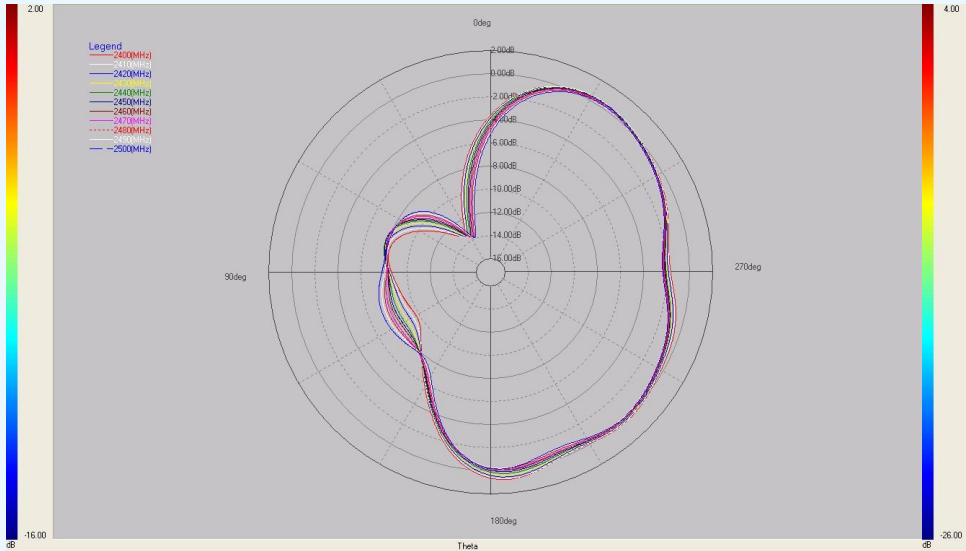
$\Theta=90$

antenna 2.4-58GHz antenna efficiency, gain:2#

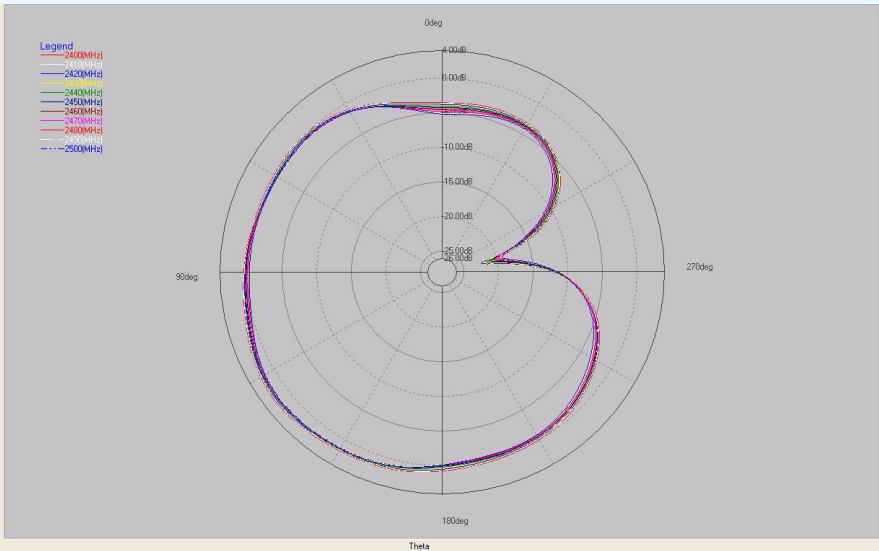
Frequency(MHz)	Efficiency (%)	Gain(dBi)
2400	65%	2.97
2410	67%	2.92
2420	66%	2.79
2430	65%	2.77
2440	65%	2.78
2450	64%	2.71
2460	63%	2.59
2470	62%	2.55
2480	61%	2.49
2490	60%	2.51
2500	61%	2.59

Frequency (MHz)	Efficiency(%)	Gain(dBi)
5200	51%	2.85
5300	51%	2.80
5400	50%	2.77
5500	49%	2.62
5600	50%	2.76
5700	49%	2.61
5800	47%	2.29

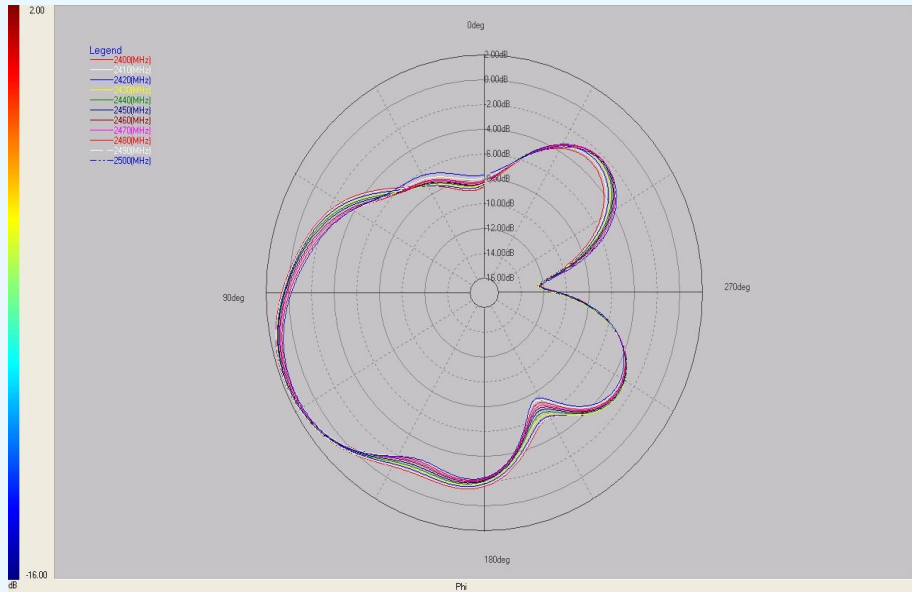
2.4GHz antenna orientation diagram



$\Phi=0$

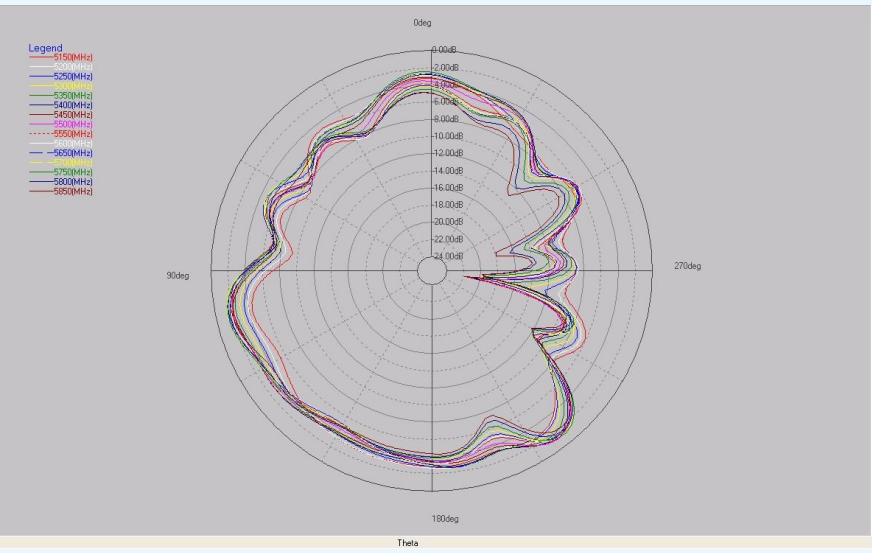
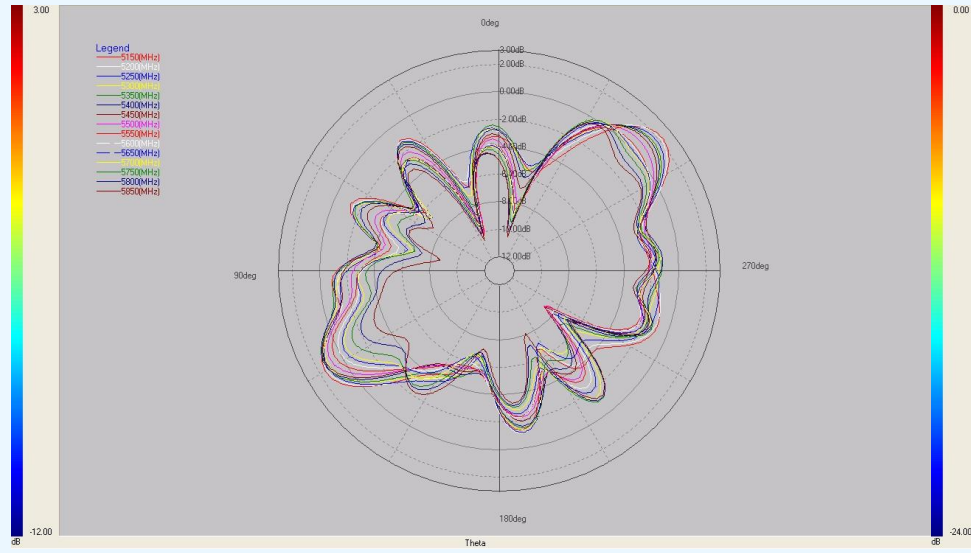


$\Phi=90$



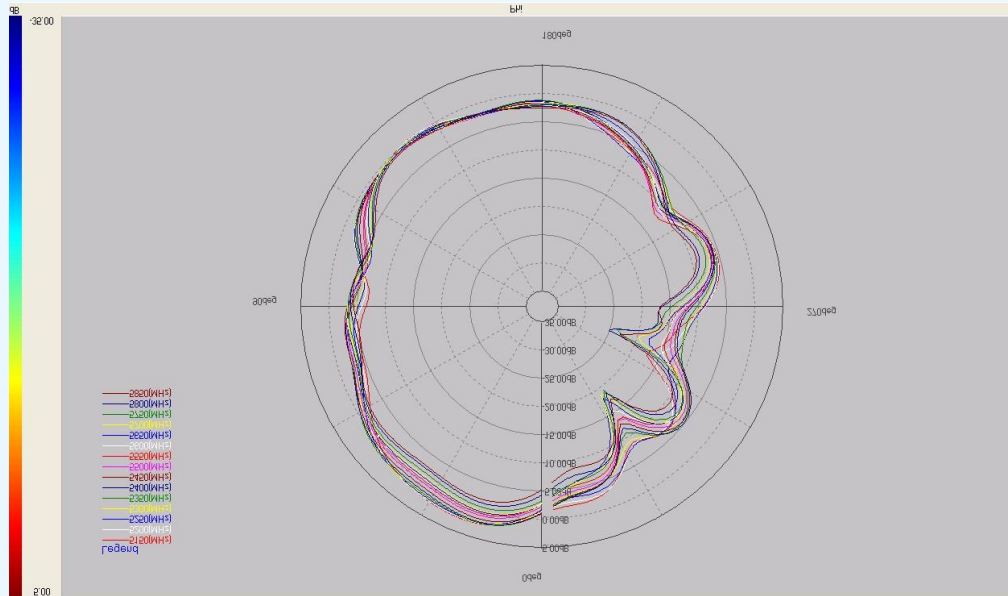
$\Theta=90$

5.8GHz antenna orientation diagram



$\Phi = 0$

$\Phi = 90$

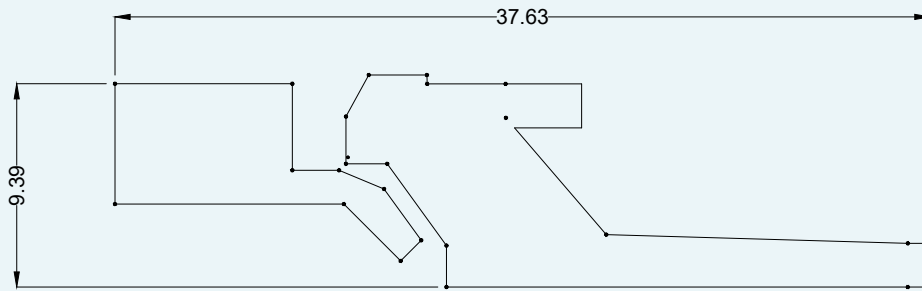


$\Theta = 90$

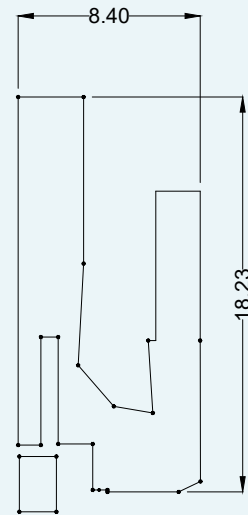
Active Test Data

Band	Channel	TRP	TIS
2.4G 11MB	1	13.3	
	7	14.5	
	13	13.13	-76.8
5.8G	149	16.3	
	157	17.5	
	165	17.6	-74.1

Antenna Dimensions



ANT1#



ANT2#

(Unit: mm)