

ShenZhen VLG Wireless Technology Co.,Ltd

Antenna Test Report

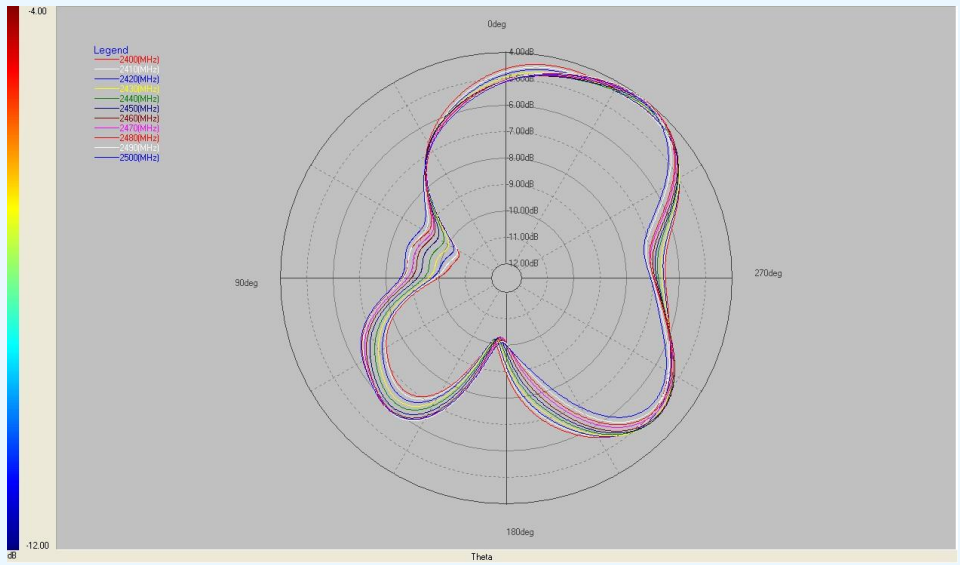
Model:SEI300

WIFI antenna 2.4-5.8GHz antenna efficiency, gain:

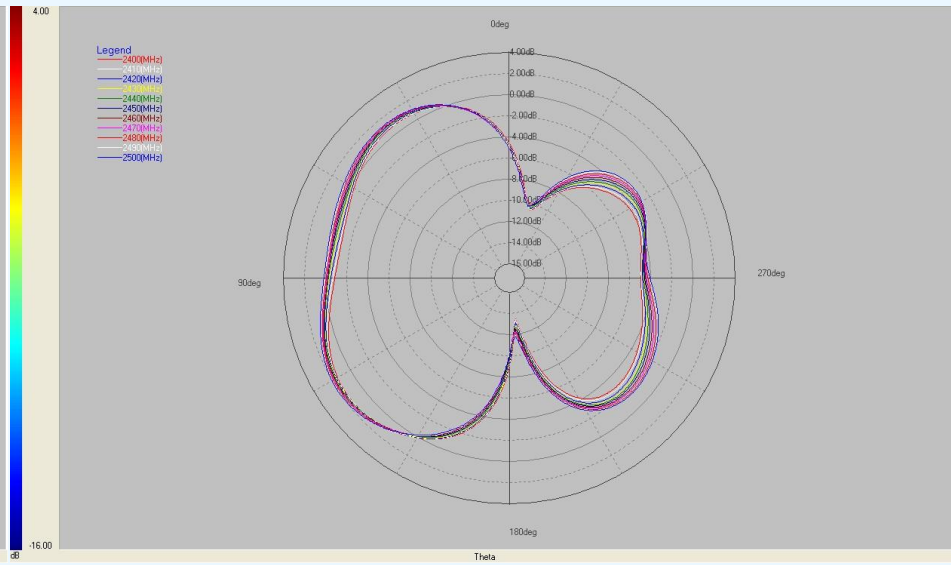
frequency(MHz)	efficiency(%)	gain(dBi)
2400	47%	1.97
2410	47%	1.98
2420	48%	1.99
2430	49%	2.02
2440	49%	2.05
2450	50%	2.10
2460	50%	2.09
2470	50%	2.09
2480	51%	2.13
2490	51%	2.28
2500	51%	2.30

frequency(MHz)	efficiency(%)	gain(dBi)
5200	59%	3.05
5300	58%	2.91
5400	58%	3.05
5500	58%	2.65
5600	54%	2.58
5700	53%	2.96
5800	53%	3.01

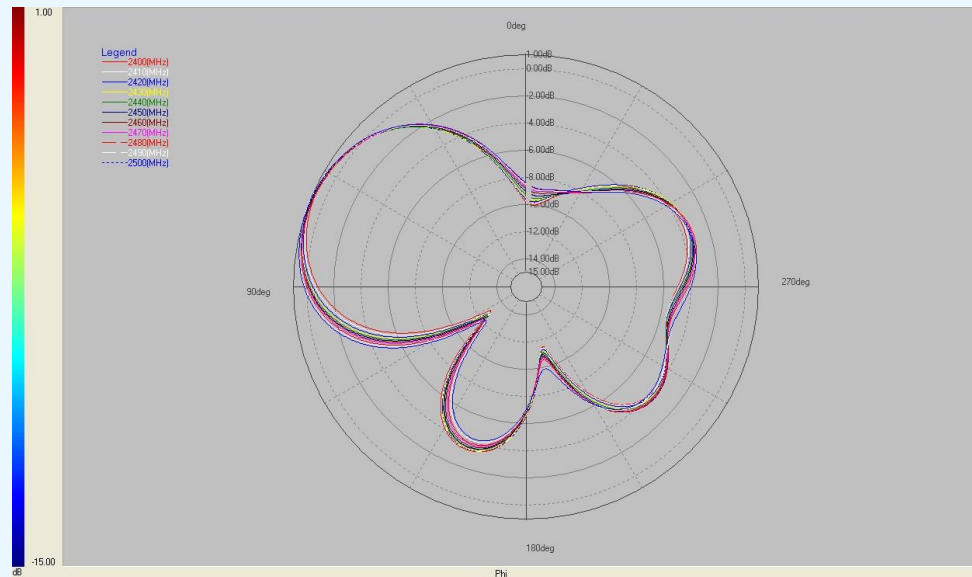
2.4GHz antenna pattern



$\Phi=0$

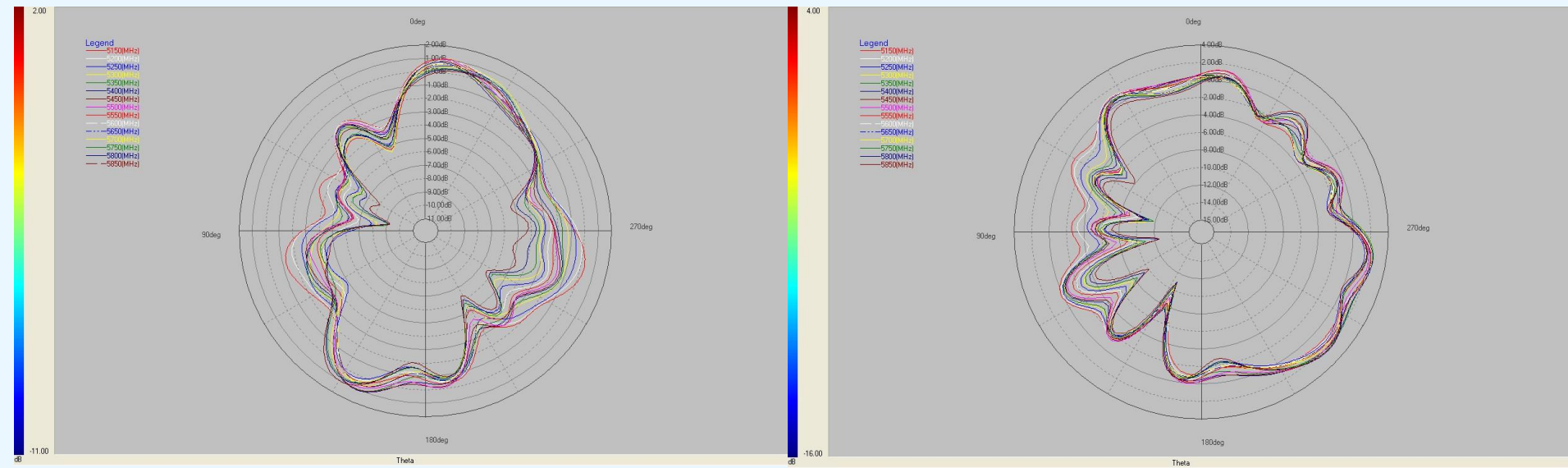


$\Phi=90$



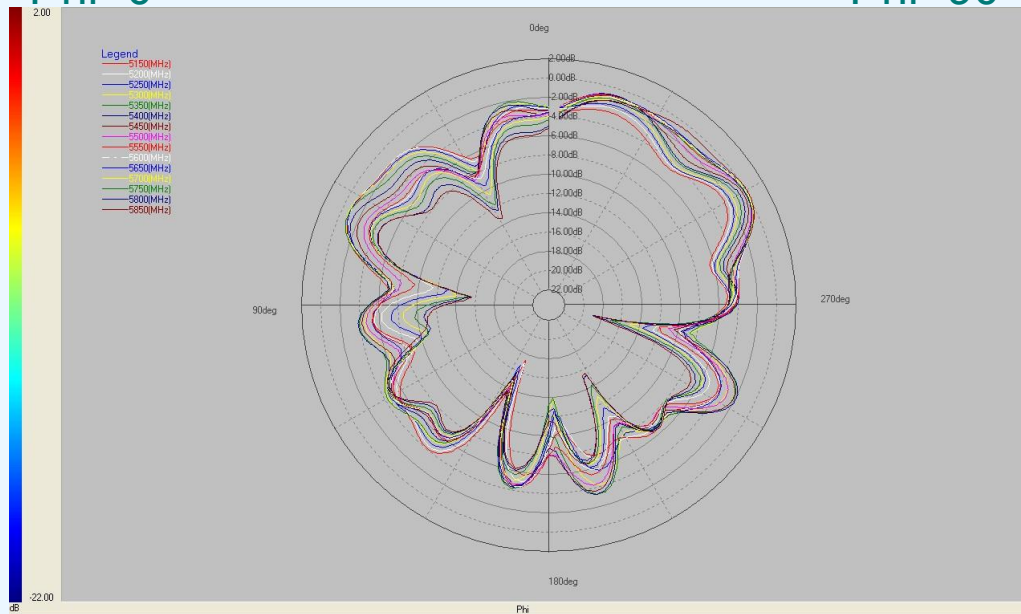
$\Theta=90$

5.8GHz antenna pattern



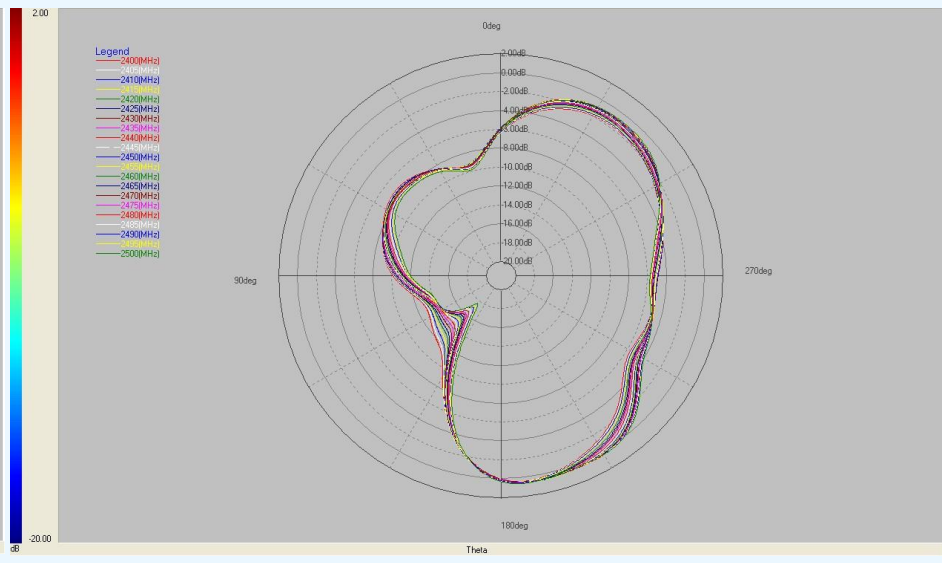
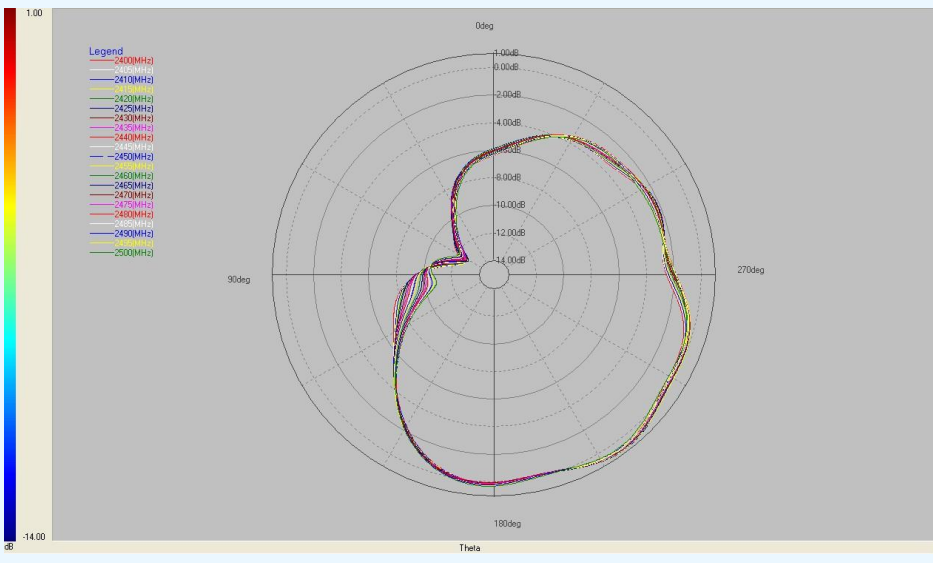
Phi=0

Phi=90



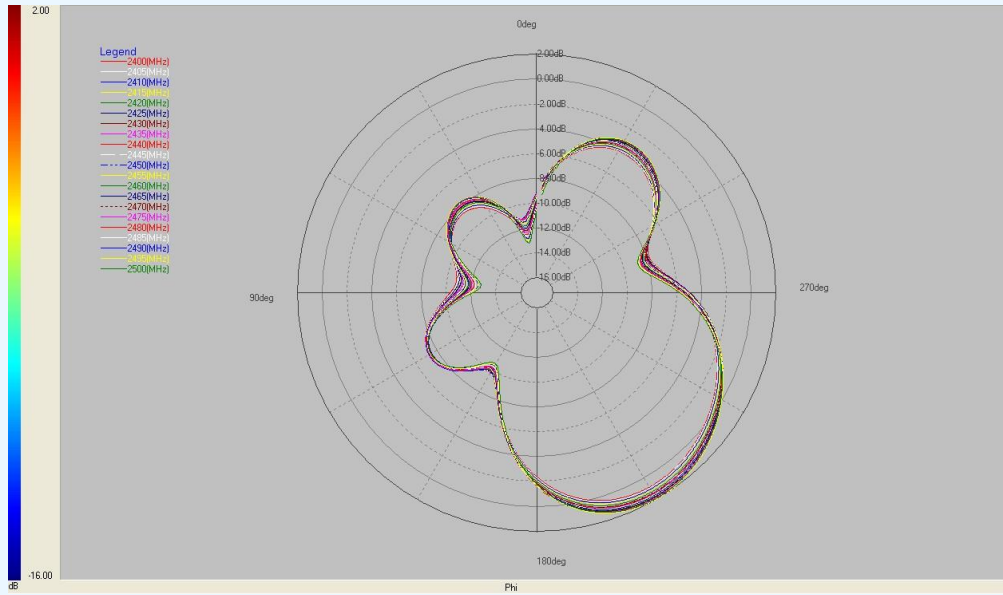
Theta=90

2.4GHz天线方向图



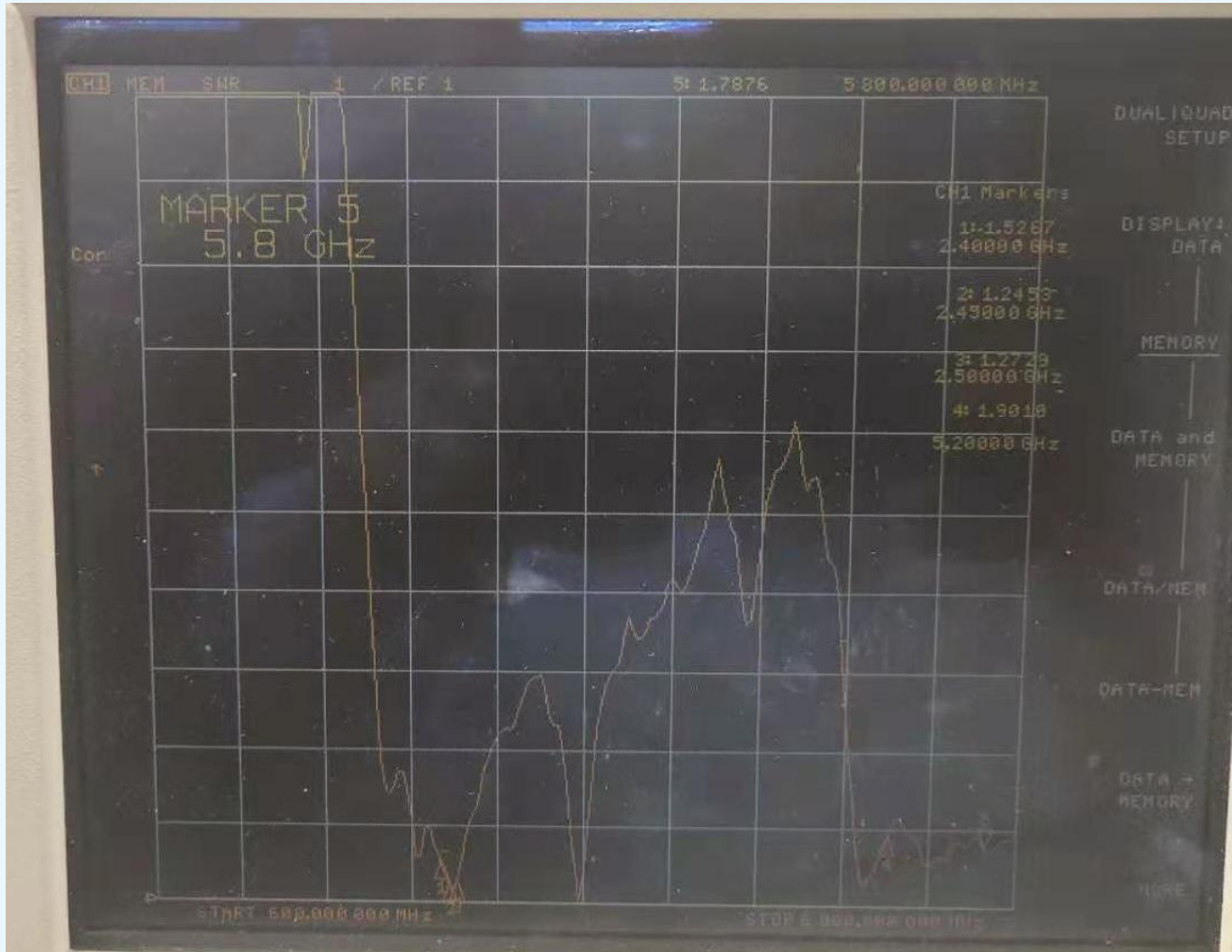
Phi=0

Phi=90



Theta=90

WIFI SWR S11



TRP/TIS Test data

Band	Channel	TRP	TIS
2.4G 11MB	1	11.6	
	7	12.4	
	13	13.13	-78.1
5.8G	149	15.8	
	157	16.6	
	165	16.3	-72.6