

SPECIFICATION FOR APPROVAL

CUSTOMER :	TUYA
PART NAME :	PCB Antenna 2.4G- 5.8G
PART NO. :	
NDX NO. :	
REV. :	

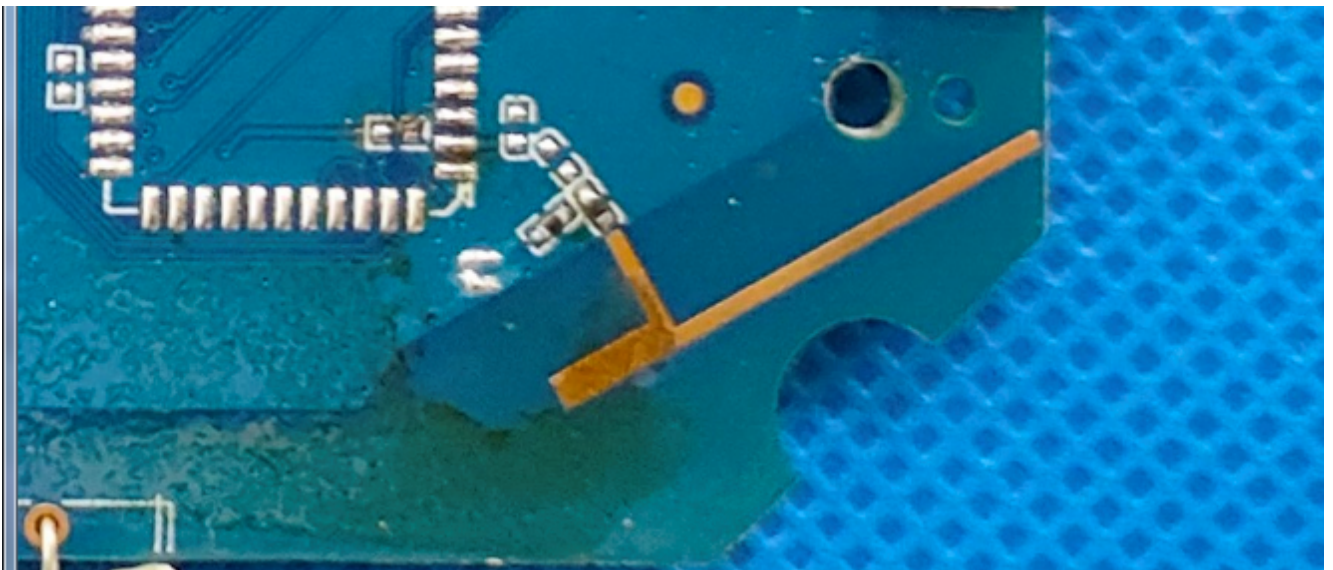
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1. Antennas' setup and environment

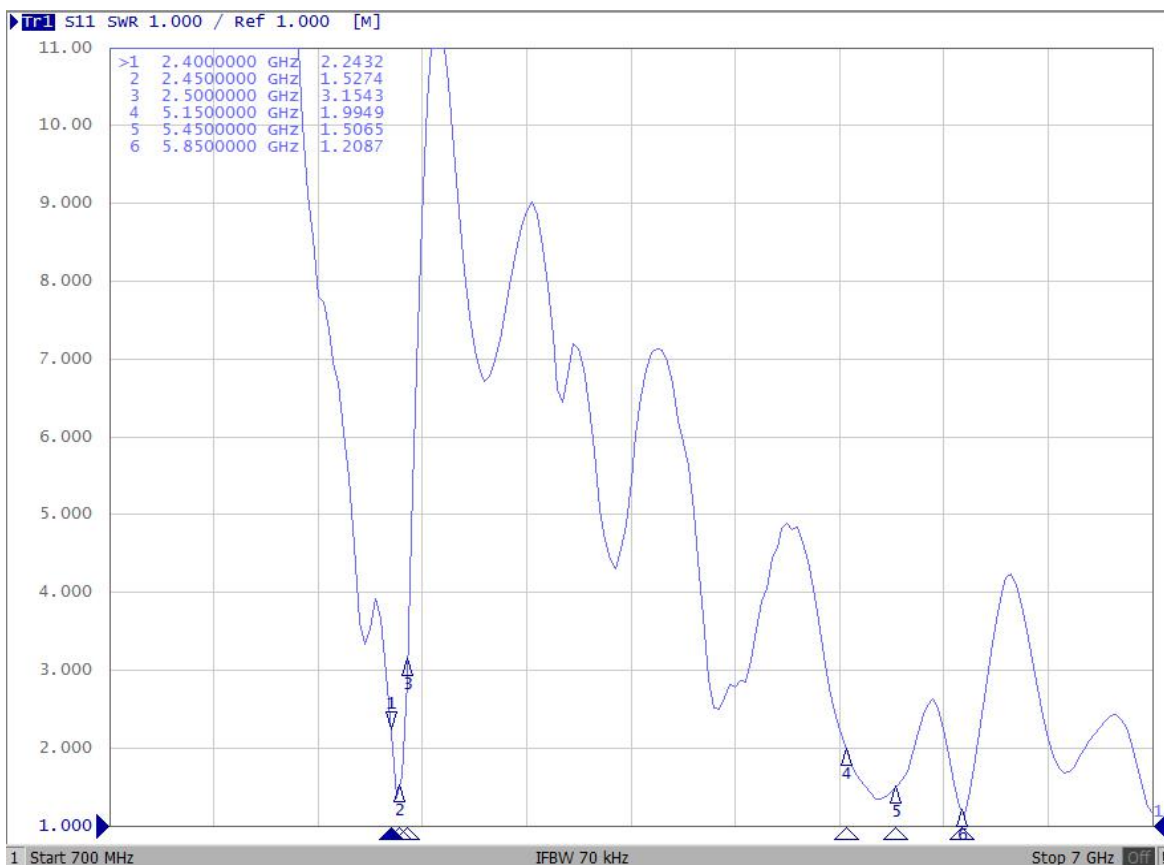
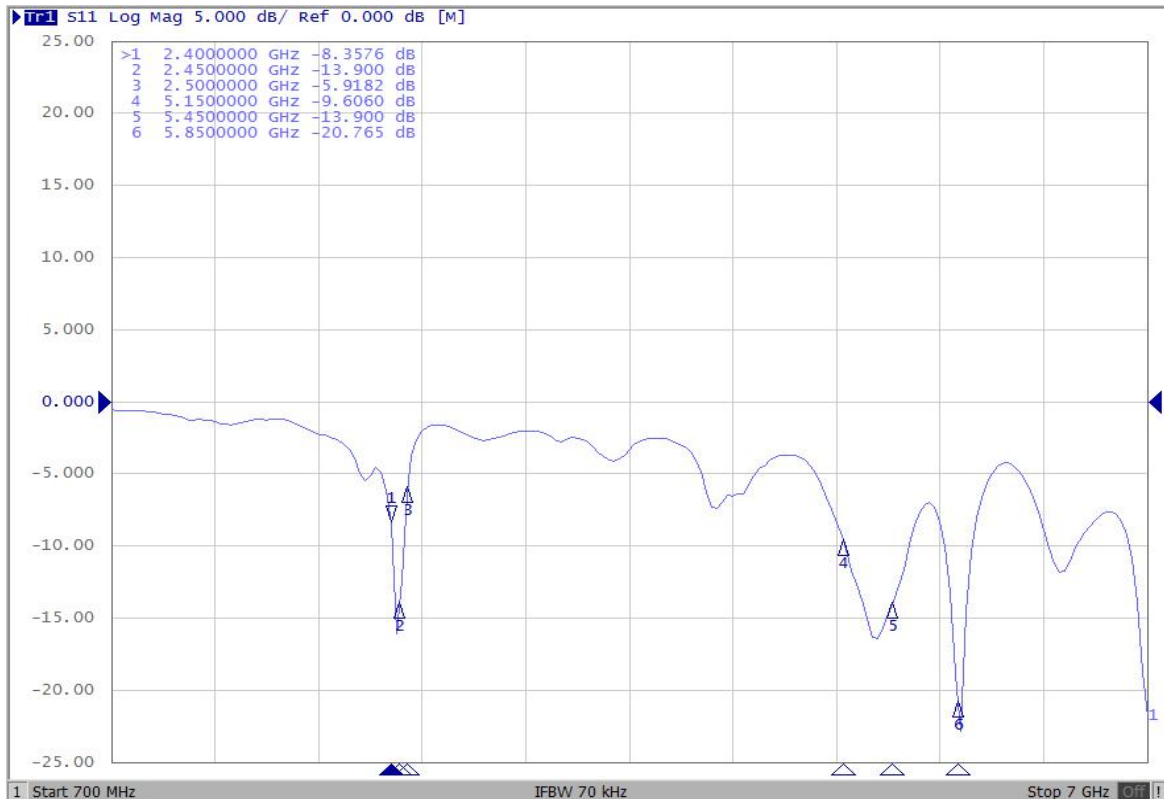
With housing

板载2.4G-5.8G



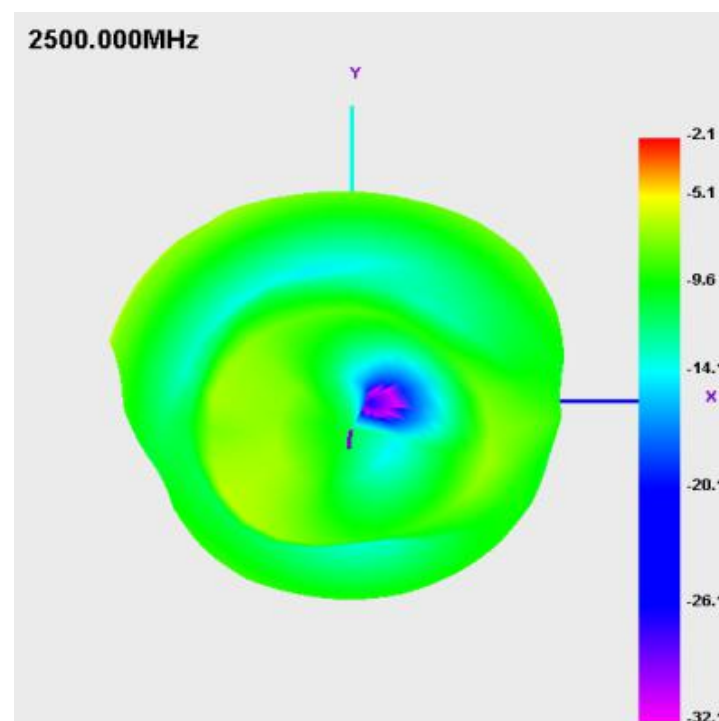
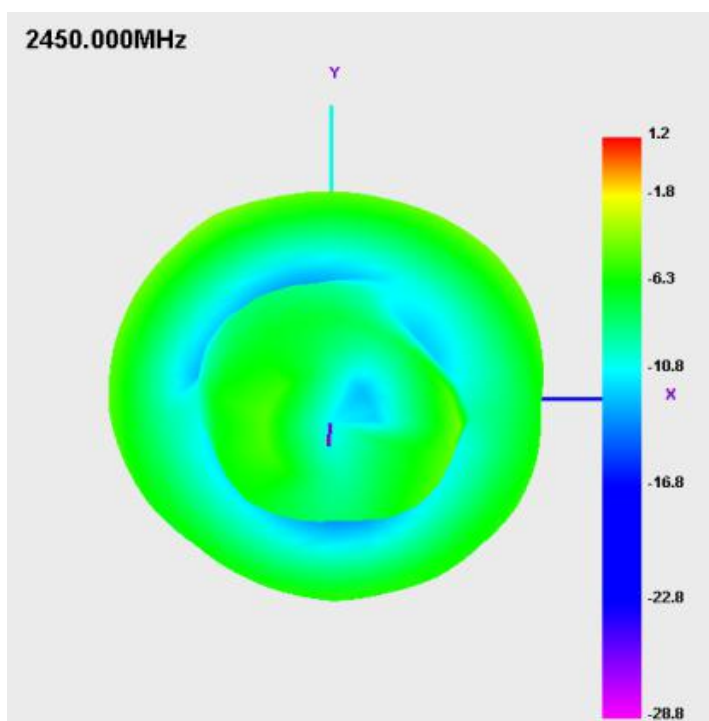
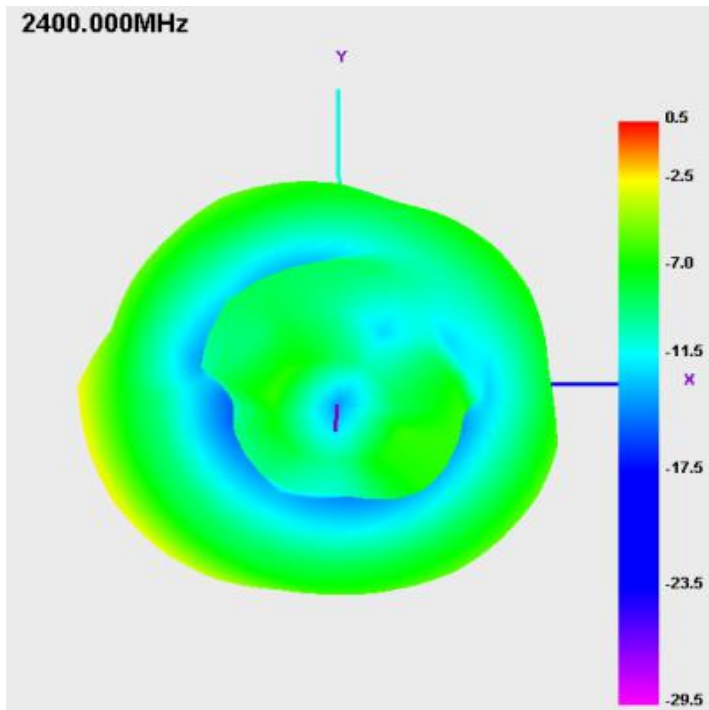
2. Analyzer Measurement

2.1 Ant 2.4G -5.8G S11 VSWR

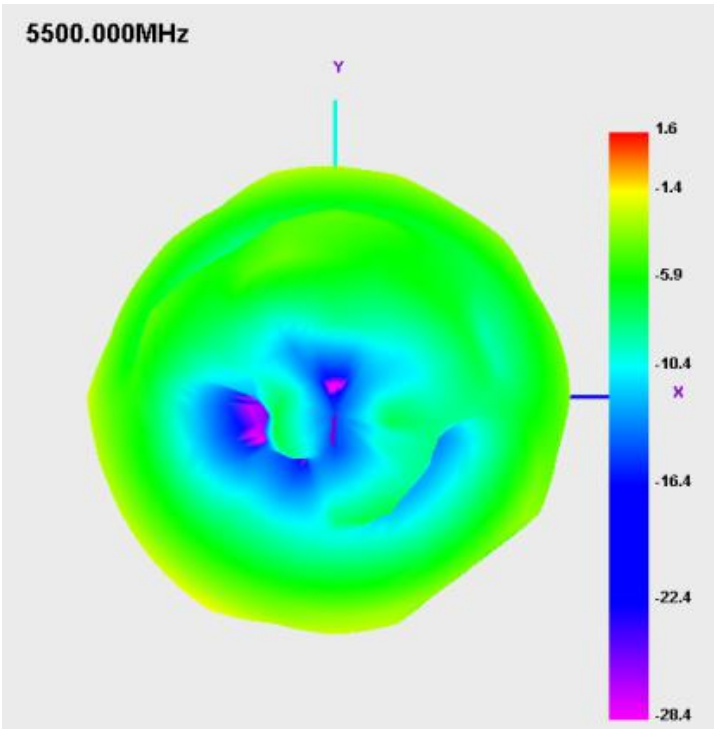
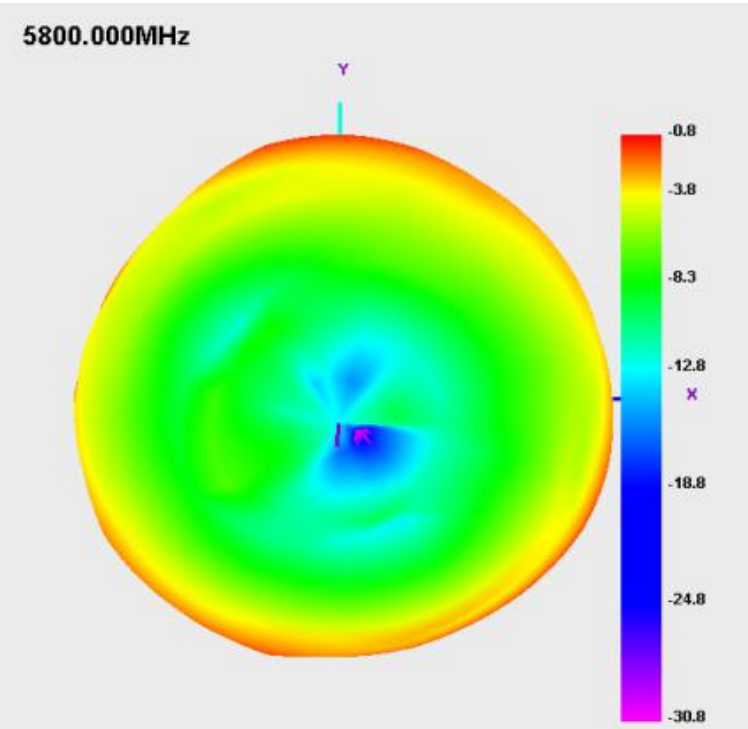
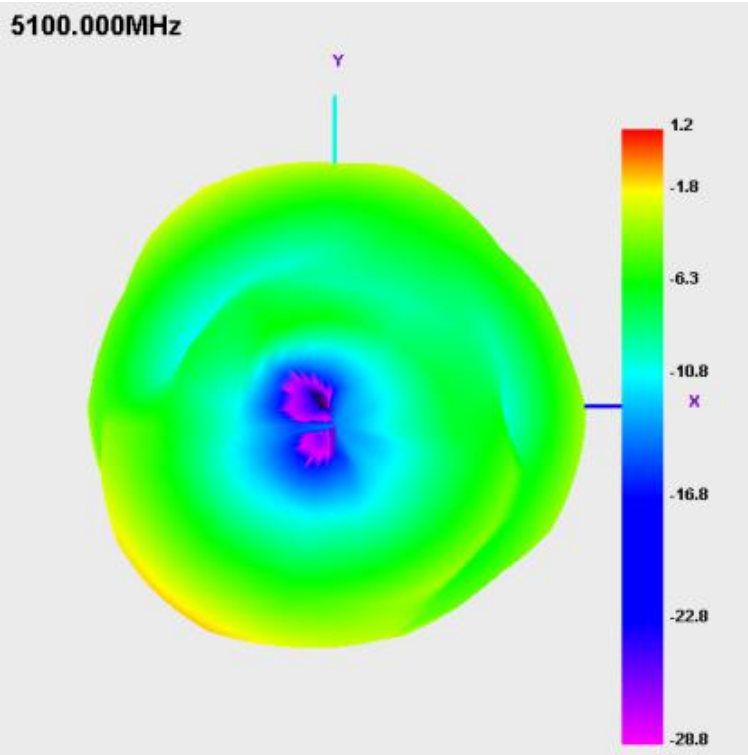


3.Gain & Patterns test results

3.1 Ant 2.4G 3D Patterns

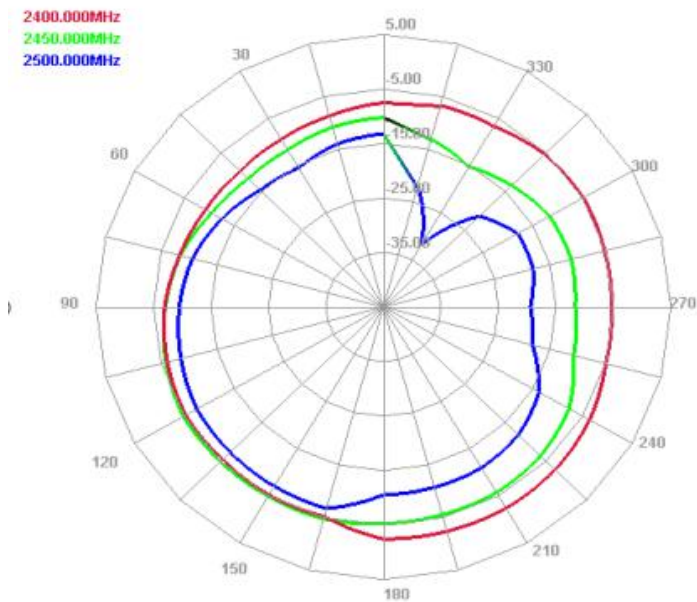


3.2 Ant 5.8G 3D Patterns

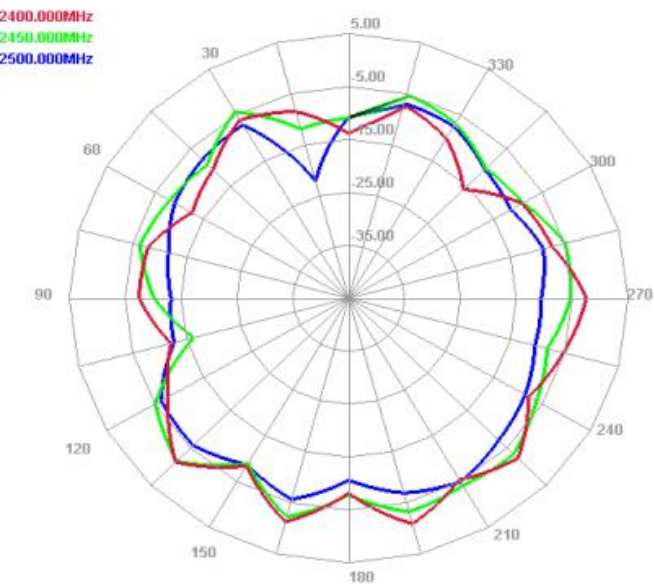


3.3 Ant 2.4G WIFI 2D Patterns

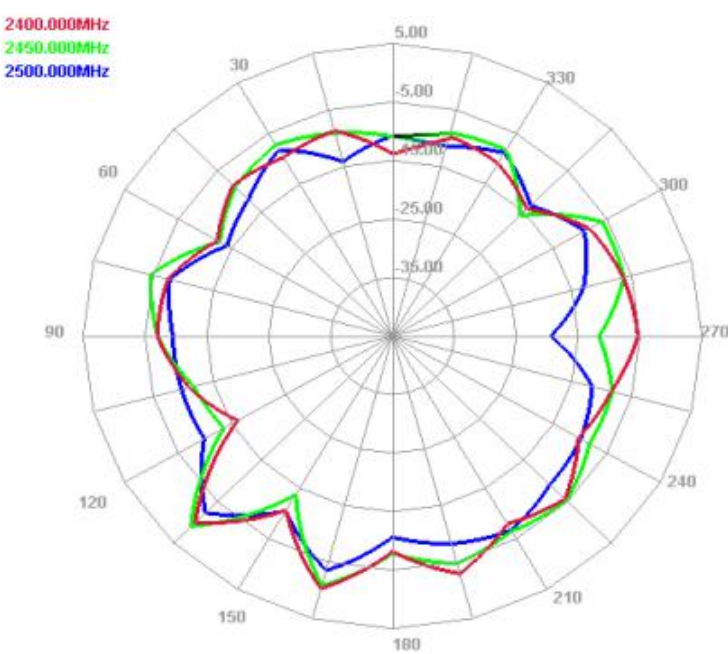
Horizontal



E1 Face

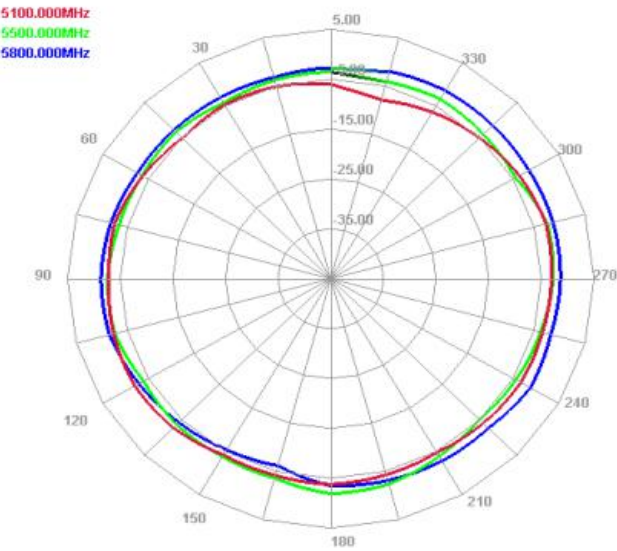


E2 Face

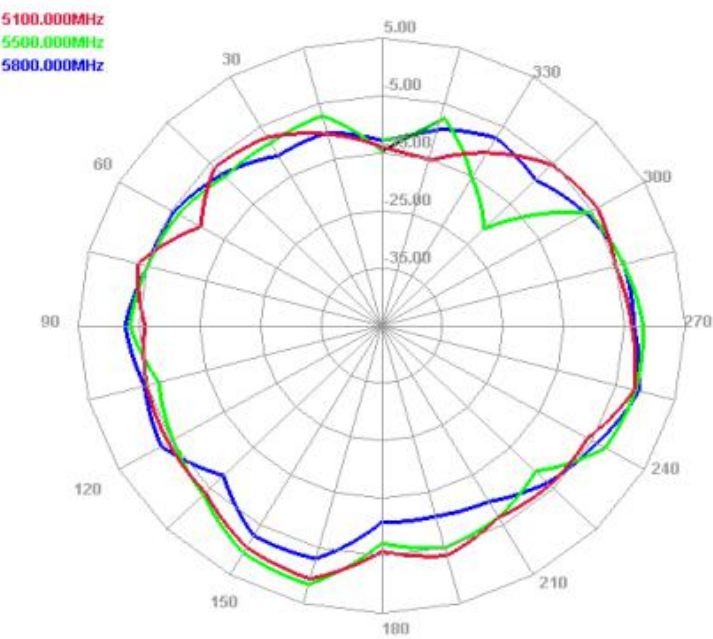


3.4 Ant 5.8G WIFI 2D Patterns

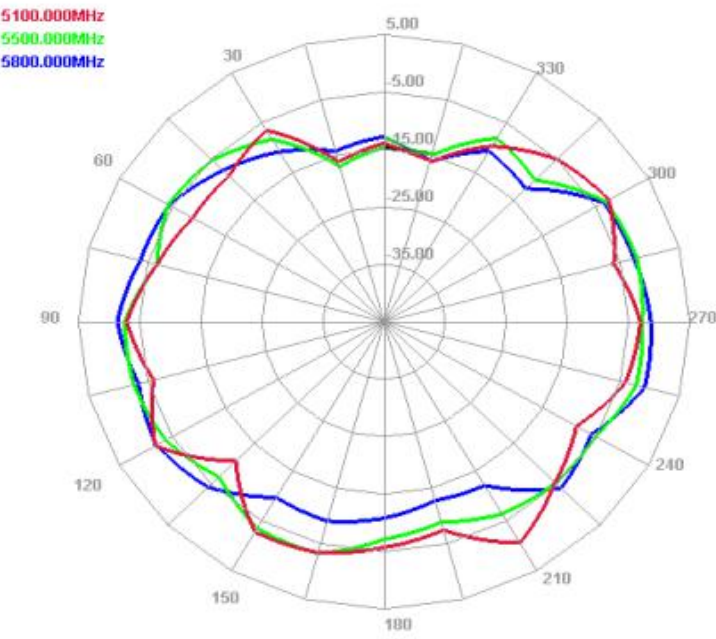
Horizontal



E1 Face



E2 Face



4. 2.4G WIFI Peak Gain & Efficiency

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	21.72	-6.63	0.47
2410	24.64	-6.08	-1.17
2420	27.86	-5.55	0.95
2430	26.18	-5.82	1.00
2440	24.58	-6.09	0.5
2450	23.27	-6.33	0.17
2460	24.25	-6.15	-1.22
2470	21.7	-6.63	0.55
2480	19.44	-7.11	-0.22
2490	16.86	-7.73	-1.02
5100	32.86	-4.83	-1.22
5200	39.24	-4.06	1.00
5300	32.14	-4.93	-1.08
5400	54.54	-2.63	-2.64
5500	33.93	-4.69	-1.6
5600	34.27	-4.65	0.65
5700	30.77	-5.12	-0.76
5800	35.7	-4.47	-0.84