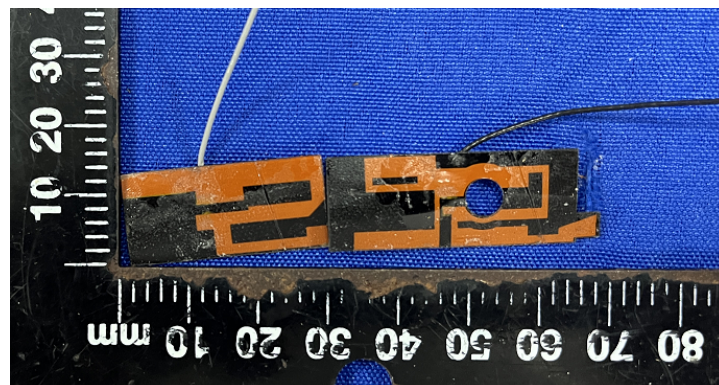
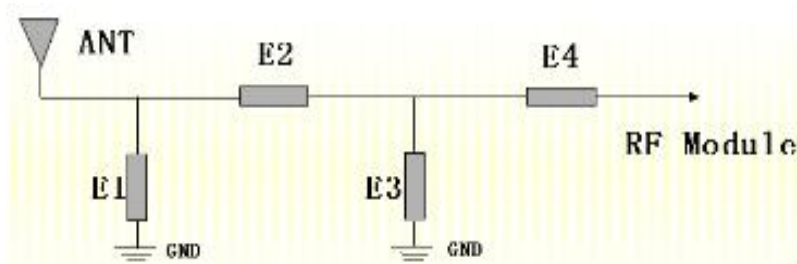




(Mobile phone appearance)



(Antenna circuit matching description)



model: TWX-069-083-MAIN-V5,TWX-069-083-AUX-V5
Manufacturer: ShenZhen AZW Technology Co., Ltd.

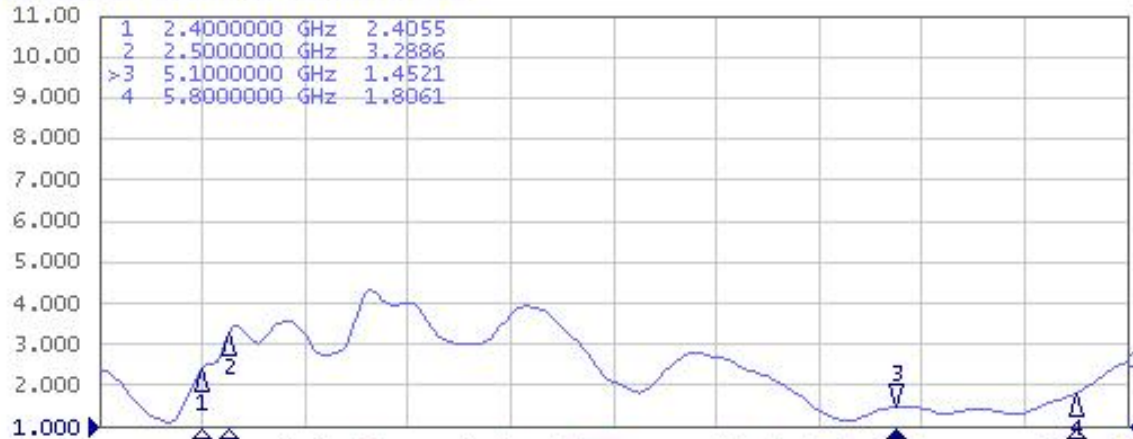


MAIN(Gain)And(Efficiency)

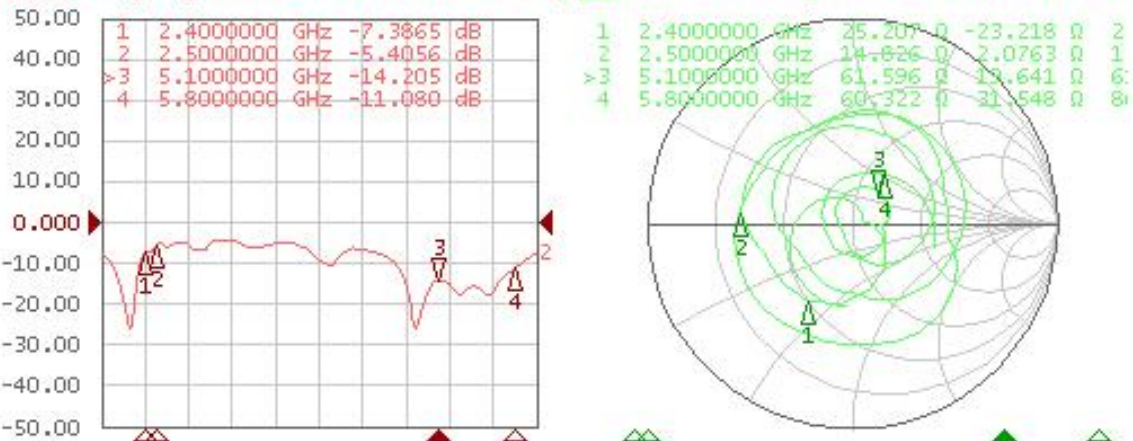


1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Tr1 S11 SWR 1.000/ Ref 1.000 [F1 M]



Tr2 S11 Log Mag 10.00dB/ Ref 0.000dB [F1 M] Tr3 S11 Smith (R+jX) Scale 1.000U [F1 M]



1 Start 2 GHz

IFBW 70 kHz

Stop 6 GHz

Cor !

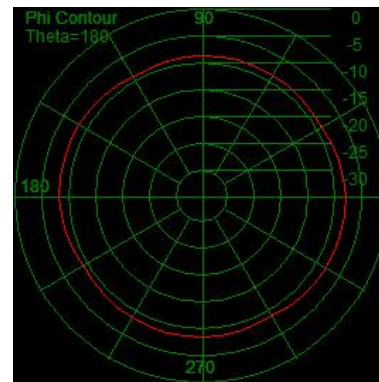
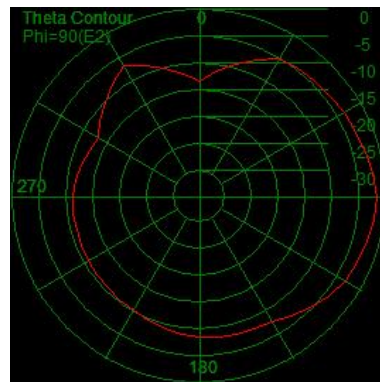
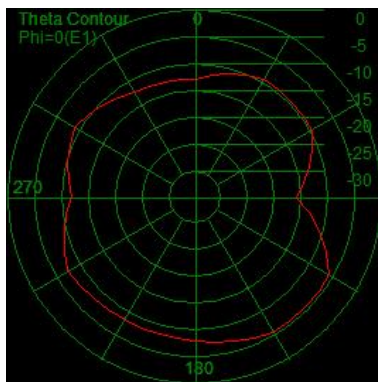
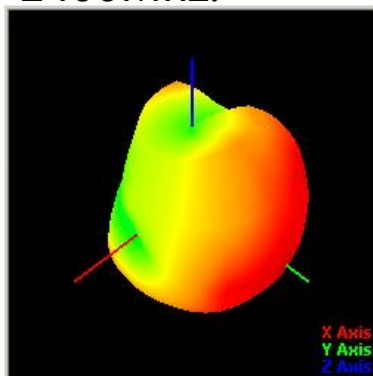
Test Point ID	Freq. (MHz)	Gain (dBi)	Efficiency (%)
1	2400.0	-1.82	20.3%
2	2410.0	-2.10	18.9%
3	2420.0	-1.97	18.9%
4	2430.0	-1.95	18.1%
5	2440.0	-2.03	17.3%
6	2450.0	-2.05	16.6%
7	2460.0	-1.98	16.6%
8	2470.0	-2.19	15.9%
9	2480.0	-2.25	16.0%
10	2490.0	-2.93	14.8%
11	2500.0	-3.04	15.3%
12	5100.0	2.22	39.1%
13	5135.0	1.57	34.9%
14	5170.0	1.31	33.6%
15	5205.0	1.09	35.7%
16	5240.0	1.09	33.9%
17	5275.0	1.24	33.2%
18	5310.0	1.15	32.9%
19	5345.0	0.66	32.0%
20	5380.0	0.24	31.1%
21	5415.0	-0.03	31.3%
22	5450.0	-0.24	31.0%
23	5485.0	0.33	31.7%
24	5520.0	0.40	32.0%
25	5555.0	0.50	30.4%
26	5590.0	0.79	31.8%
27	5625.0	1.64	34.2%
28	5660.0	1.39	32.4%
29	5695.0	1.53	33.1%
30	5730.0	2.11	33.5%
31	5765.0	1.43	30.0%
32	5800.0	0.84	29.2%



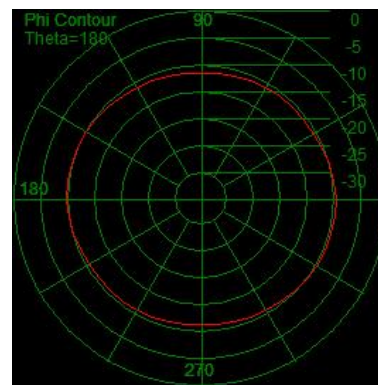
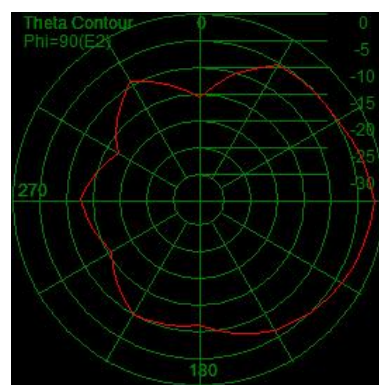
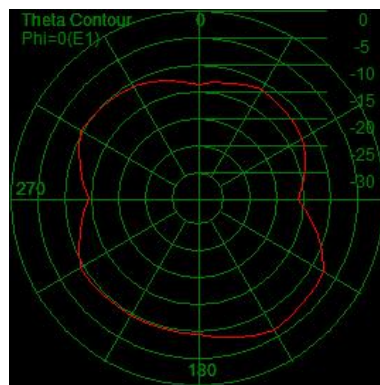
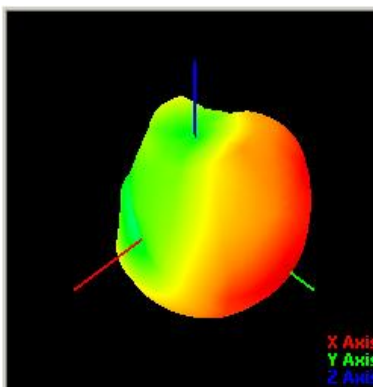
MAIN



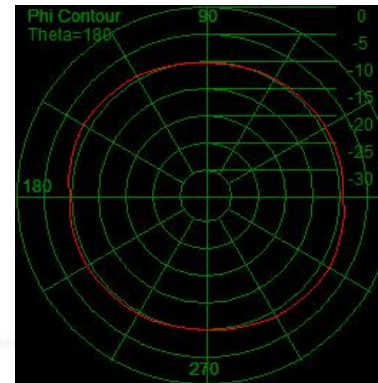
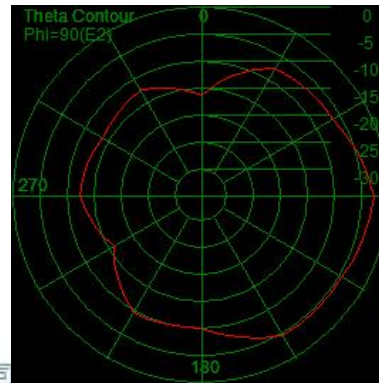
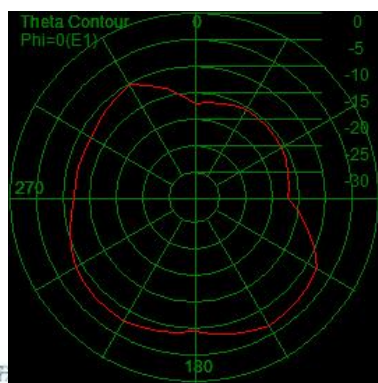
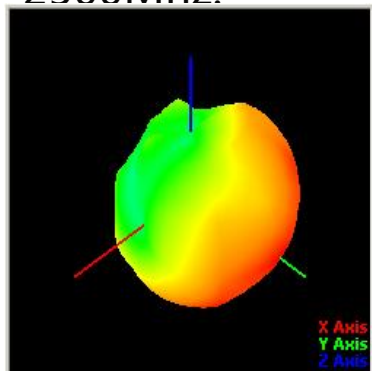
2400Mhz:



2450Mhz:

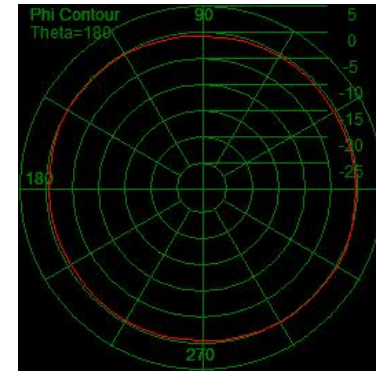
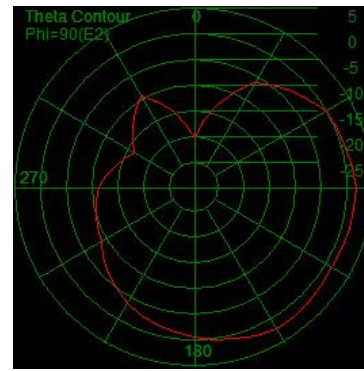
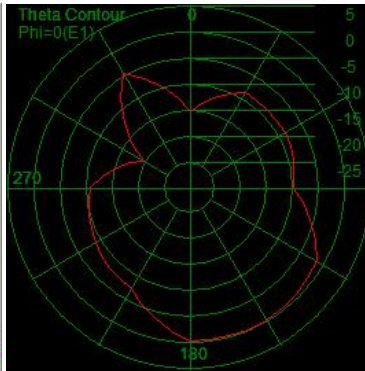
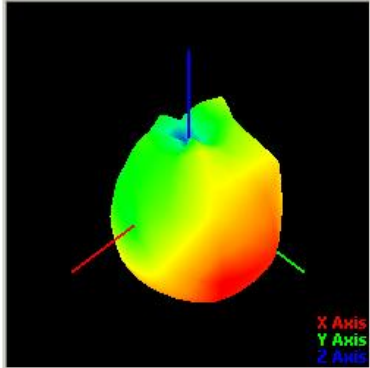


2500Mhz:

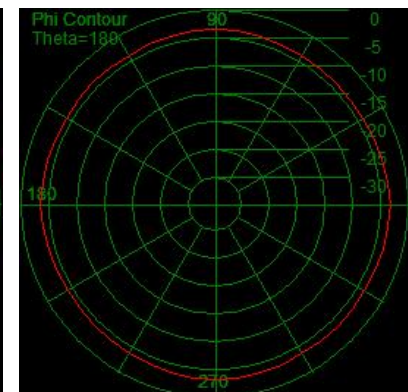
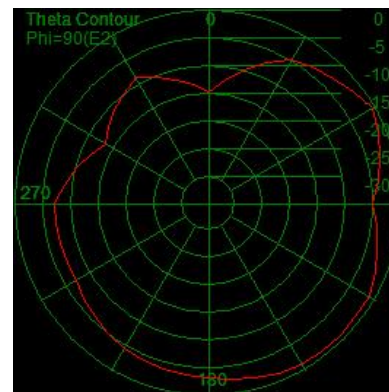
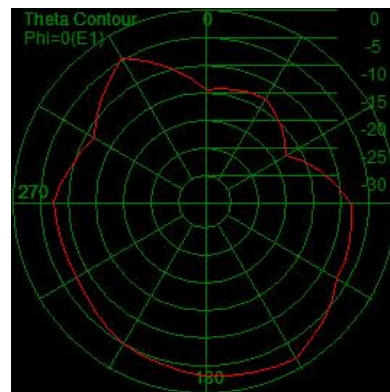
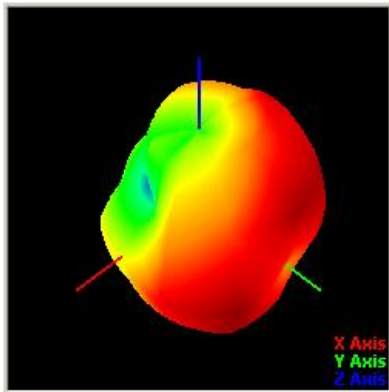


MAIN

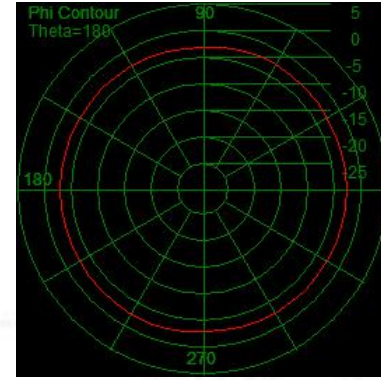
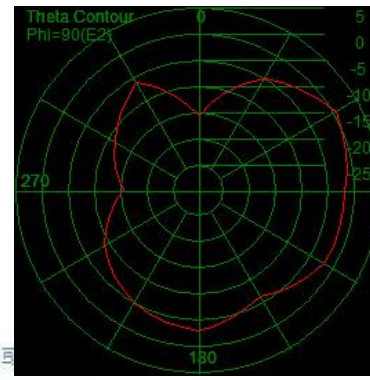
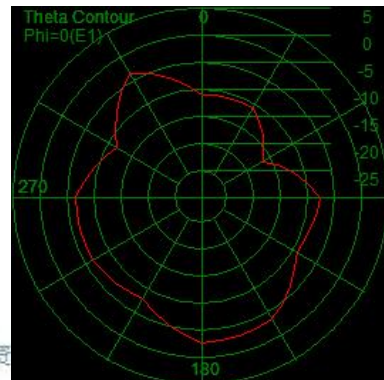
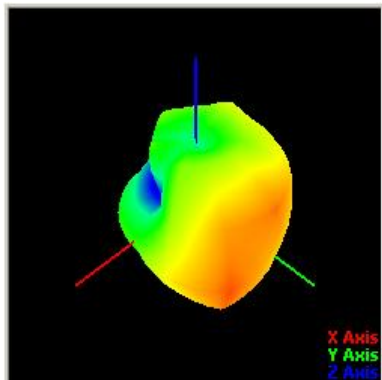
5100Mhz:



5450Mhz:



5800Mhz:



AUX(Gain)And(Efficiency)



1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Tr1 S11 SWR 1.000/ Ref 1.000 [F1 M]



Tr2 S11 Log Mag 10.00dB/ Ref 0.000dB [F1 M] Tr3 S11 Smith (R+jX) Scale 1.000U [F1 M]



Test Point ID	Freq. (MHz)	Gain (dBi)	Efficiency (%)
1	2400.0	-0.48	22.0%
2	2410.0	-0.58	19.9%
3	2420.0	-0.55	18.7%
4	2430.0	-0.66	17.3%
5	2440.0	-0.89	16.1%
6	2450.0	-1.01	15.8%
7	2460.0	-0.96	16.8%
8	2470.0	-1.27	16.7%
9	2480.0	-1.08	18.5%
10	2490.0	-1.14	18.7%
11	2500.0	-0.89	20.9%
12	5100.0	3.30	35.5%
13	5135.0	3.21	32.3%
14	5170.0	3.22	31.0%
15	5205.0	3.54	33.3%
16	5240.0	3.31	32.3%
17	5275.0	3.16	32.1%
18	5310.0	3.12	33.1%
19	5345.0	3.05	32.9%
20	5380.0	2.71	32.8%
21	5415.0	3.05	34.0%
22	5450.0	2.48	33.7%
23	5485.0	2.33	33.7%
24	5520.0	1.80	32.8%
25	5555.0	0.86	30.6%
26	5590.0	1.24	32.0%
27	5625.0	0.79	31.7%
28	5660.0	0.32	30.0%
29	5695.0	-0.14	28.0%
30	5730.0	0.26	27.3%
31	5765.0	-0.70	22.6%
32	5800.0	-0.16	21.2%

1 Start 2 GHz

IFBW 70 kHz

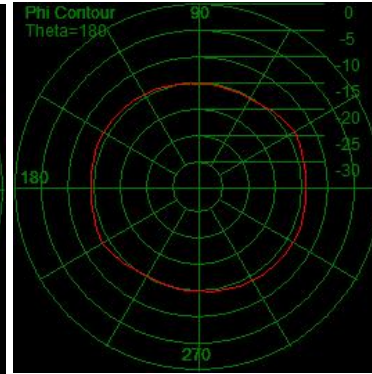
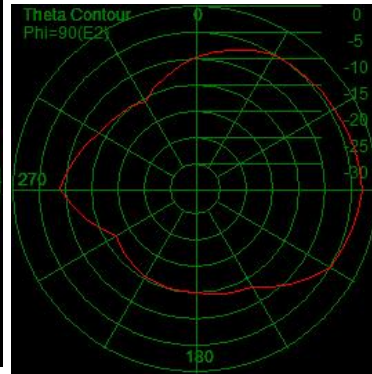
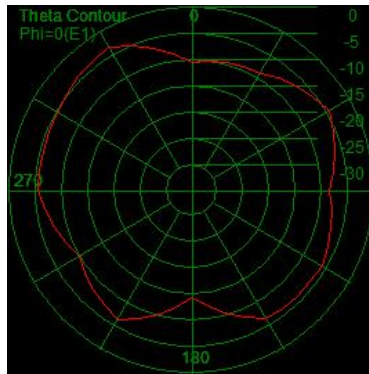
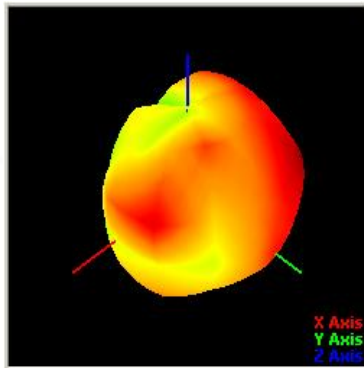
Stop 6 GHz

Cor !

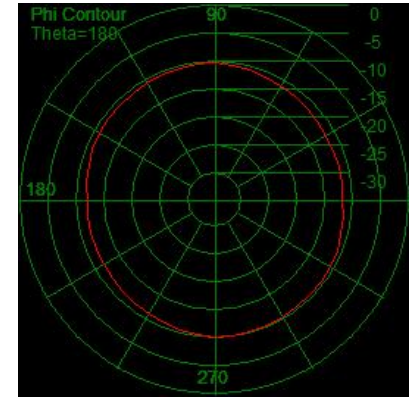
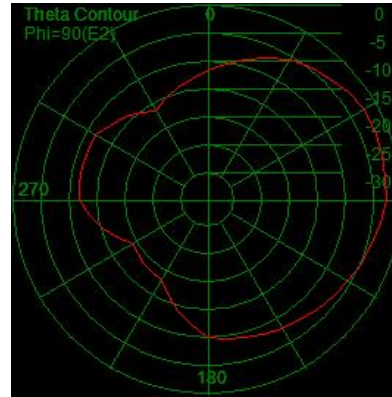
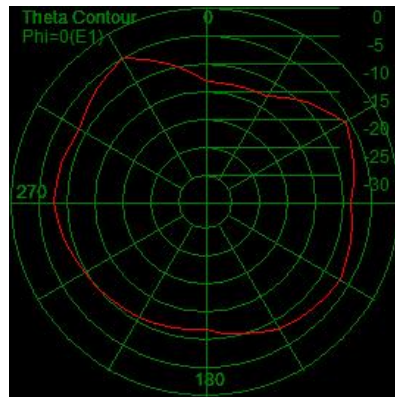
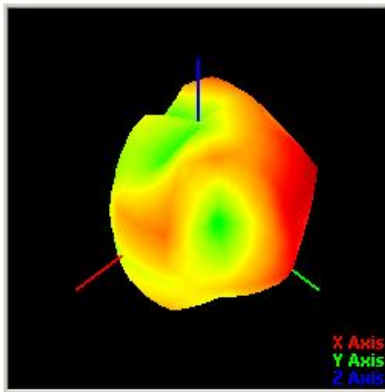


AUX

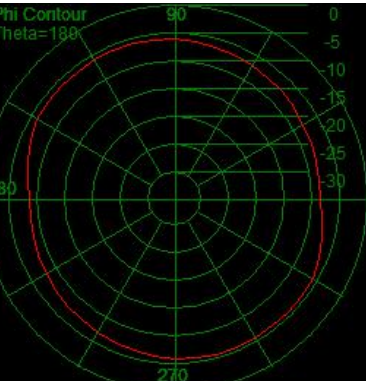
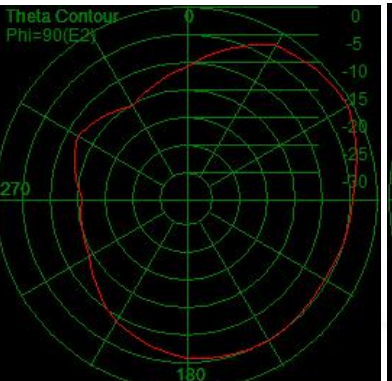
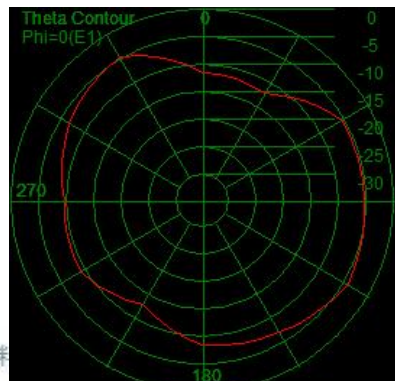
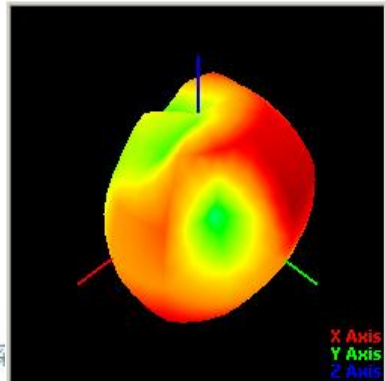
2400Mhz:



2450Mhz:

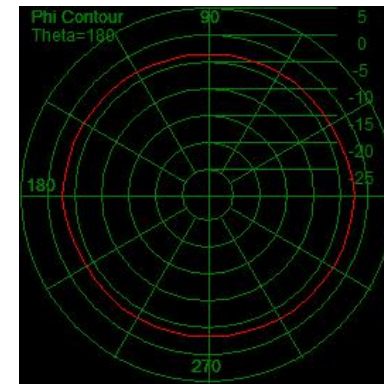
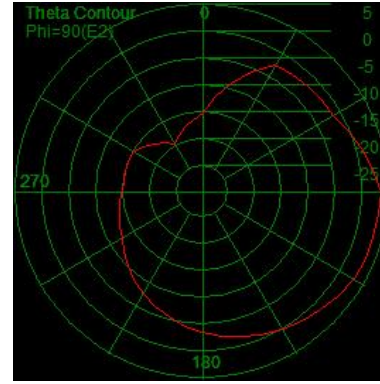
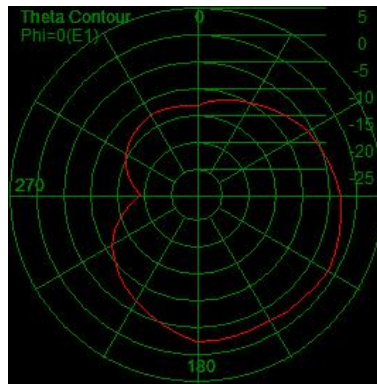
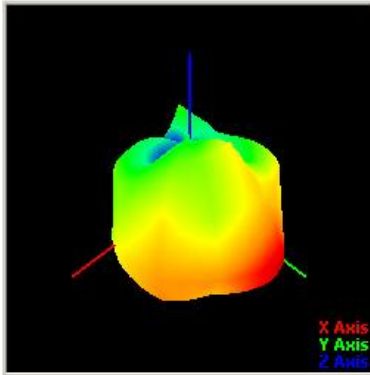


2500Mhz:

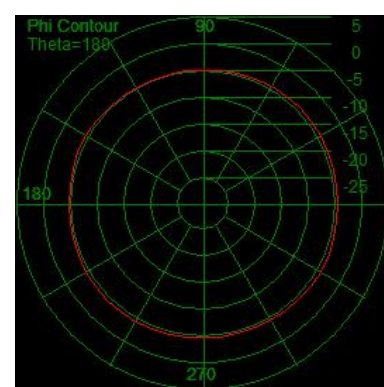
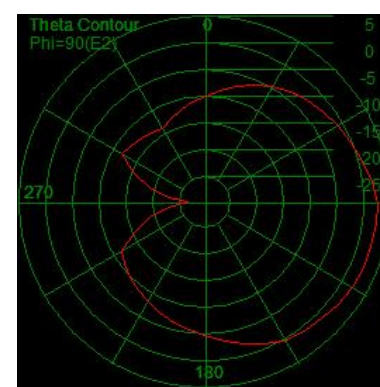
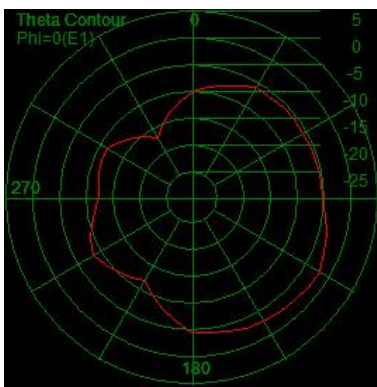
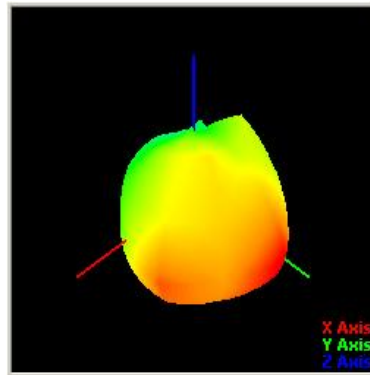


AUX

5100Mhz:



5450Mhz:



5800Mhz:

