



shenzhenTian wei xun wireless technology co.,ltd.

Product performance and specification

Tian wei xun antenna the research and development department

CUSTOMER Shenzhen AZW Technology Co., Ltd
NAME: SER PRO V2
PRODUCT NAME: BOARD
MODEL
TIAN WEI XUN P/N: PCB
MODEL
14. 02. 03880000
14. 02. 03880001

CUSTOMER P/N:

Client	Admit	
Custo	nt	manufacturing
confirma	Qual depart	party R&
tion	ity ment	M D
		E:
		RF
		:
Date	(Date) : Wednesday,	
:	July 3rd, 2024	

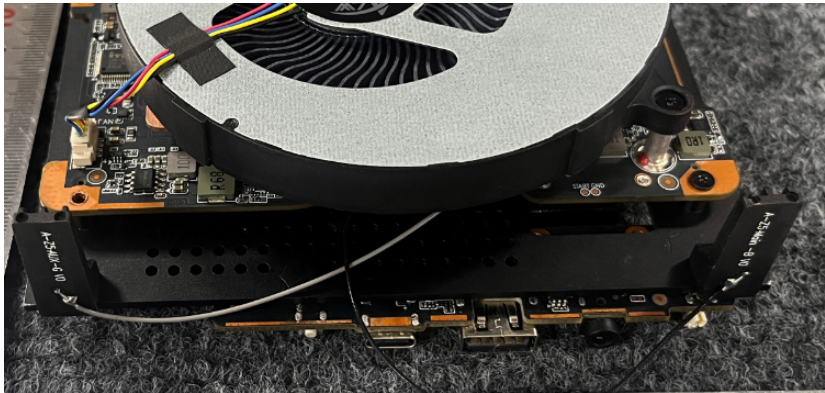
Telephone: 86-755-29361726 Fax: 86-755-85268343

Confidentiality requirements

The information provided by the technology is not allowed to
be disclosed to any company or individual
without the prior written consent of our company.

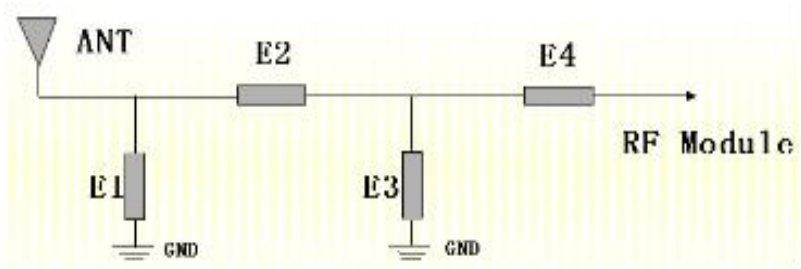


(Mobile phone appearance)



ANT Size:30mm*8mm

(Antenna circuit matching description)



Element		
E1(0402)		
E2(0402)		
E3(0402)		
E4(0402)		

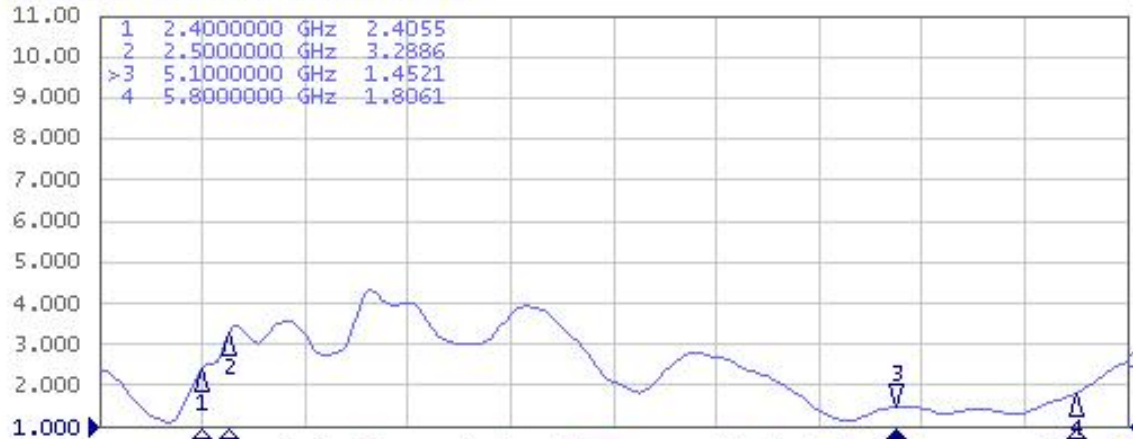


MAIN: (Gain)&(Efficiency)



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

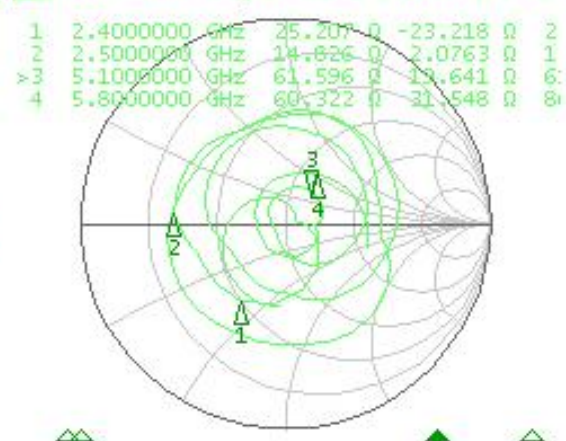
Tr1 S11 SWR 1.000/ Ref 1.000 [F1 M]



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

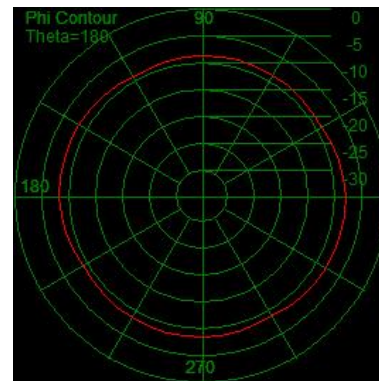
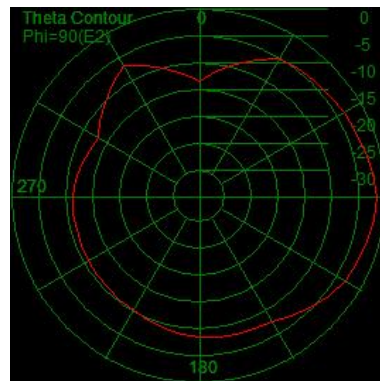
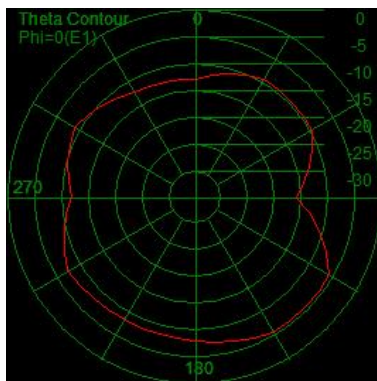
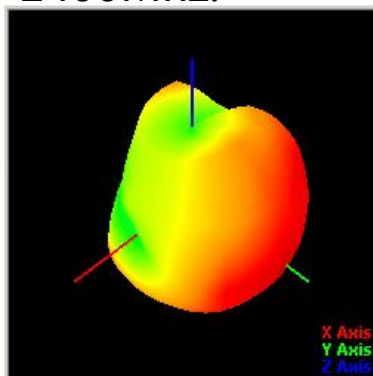
Stop 6 GHz

Cor !

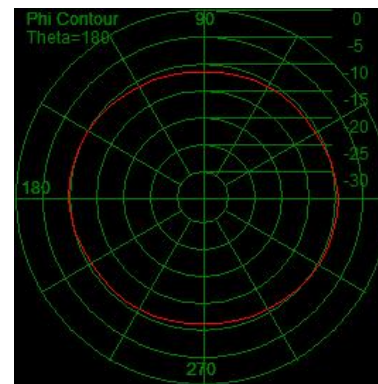
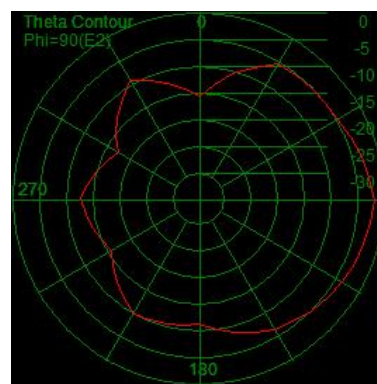
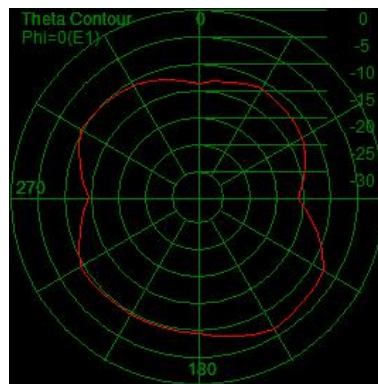
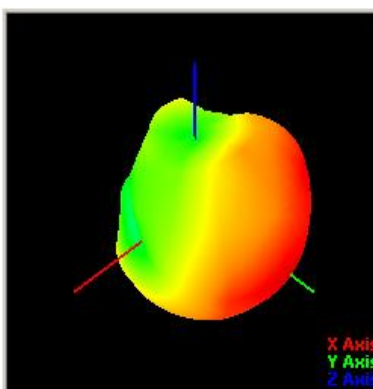
Test Point ID	Freq. (MHz)	Gain (dBi)	Efficiency (%)
1	2400.0	-1.82	20.3%
2	2410.0	-2.10	18.9%
3	2420.0	-1.97	18.9%
4	2430.0	-1.95	18.1%
5	2440.0	-2.03	17.3%
6	2450.0	-2.05	16.6%
7	2460.0	-1.98	16.6%
8	2470.0	-2.19	15.9%
9	2480.0	-2.25	16.0%
10	2490.0	-2.93	14.8%
11	2500.0	-3.04	15.3%
12	5100.0	2.22	39.1%
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%



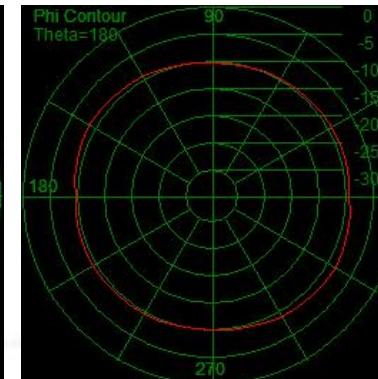
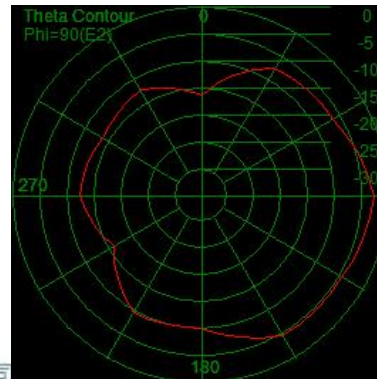
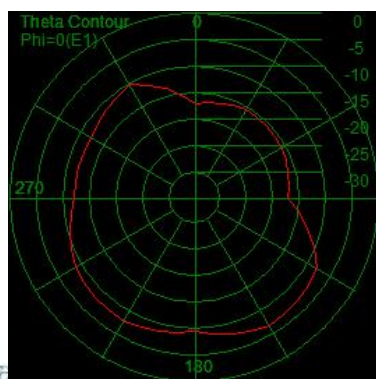
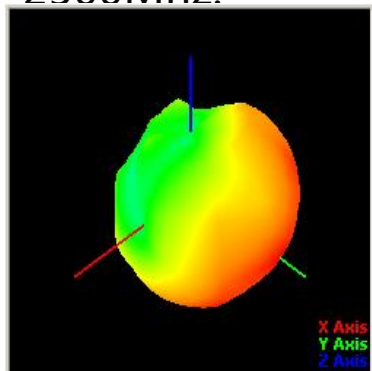
2400Mhz:



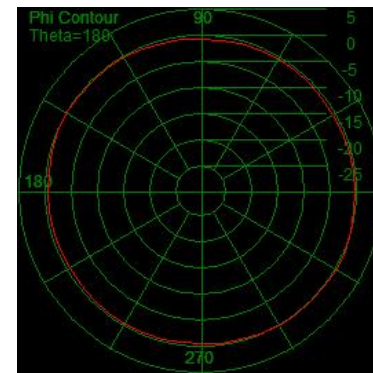
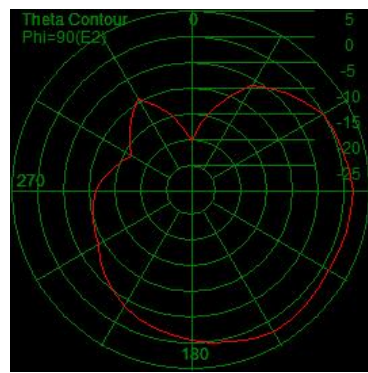
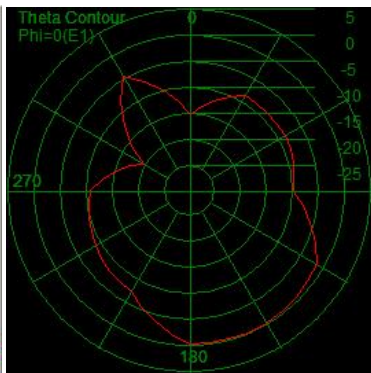
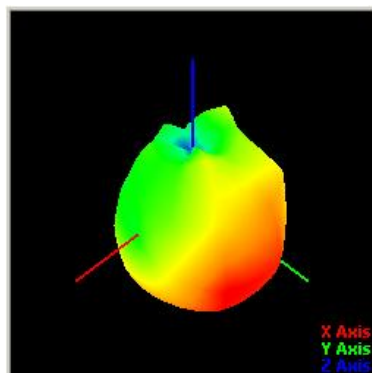
2450Mhz:



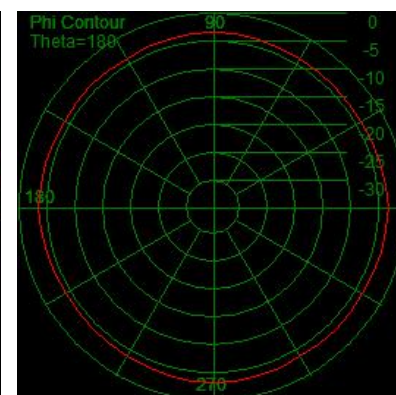
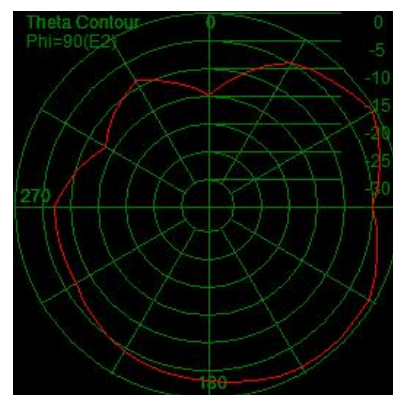
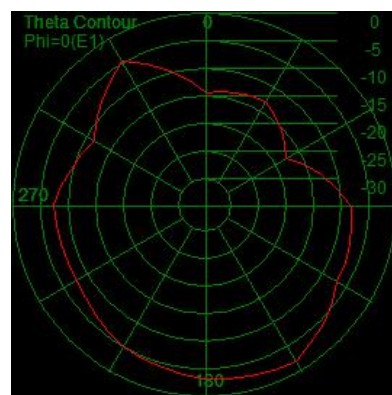
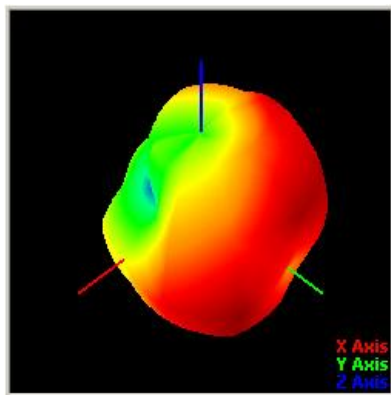
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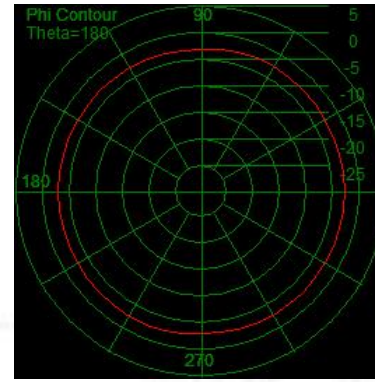
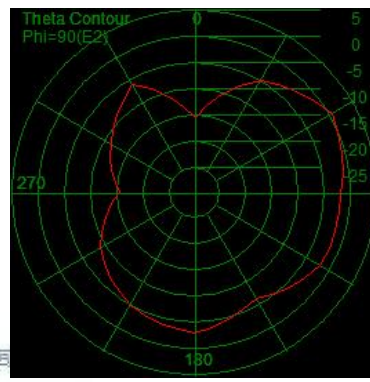
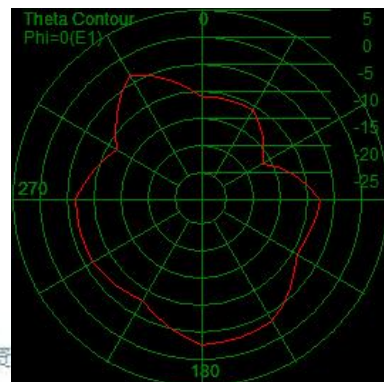
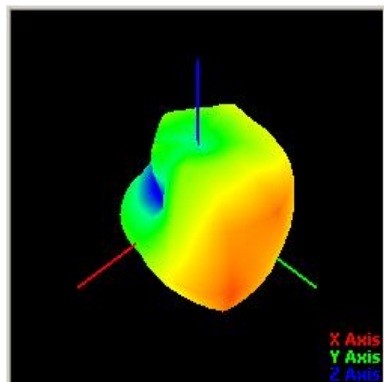
5100Mhz:



5450Mhz:



5800Mhz:



AUX: (Gain)&(Efficiency)



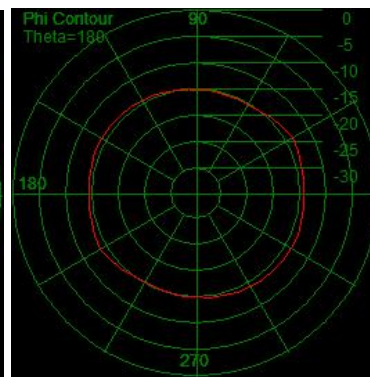
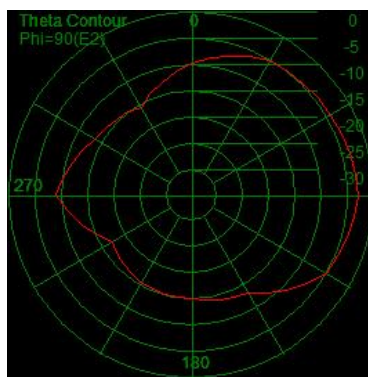
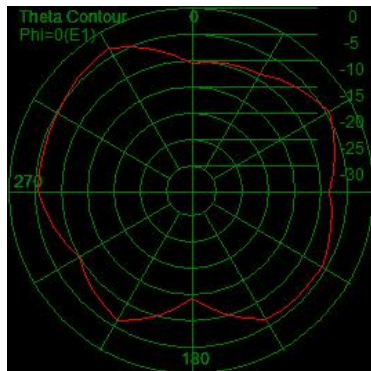
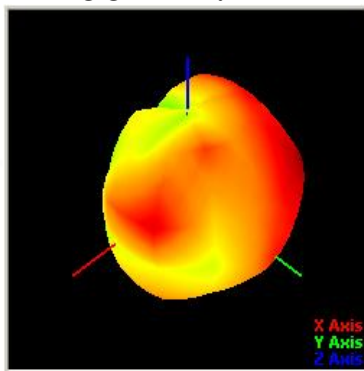
1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State



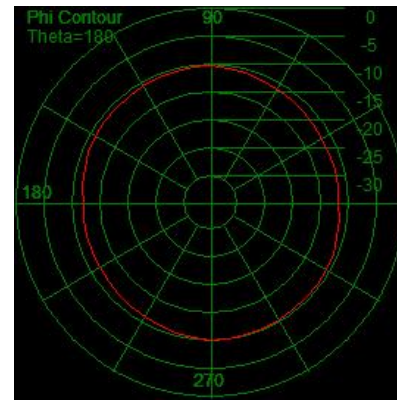
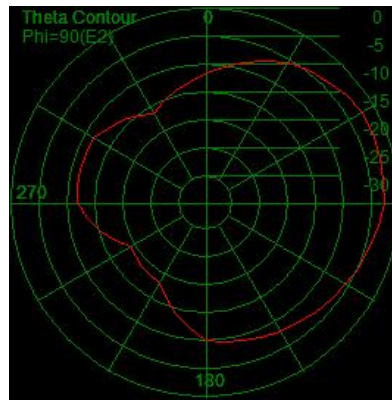
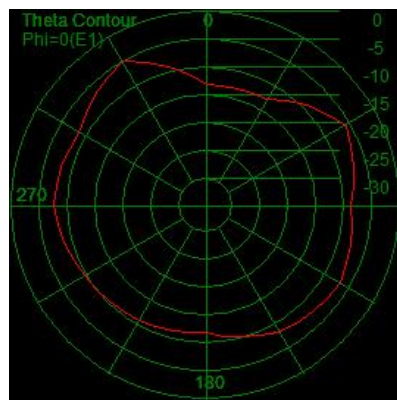
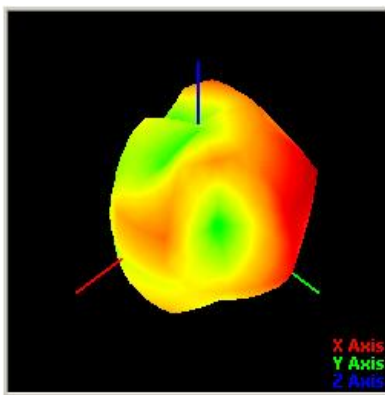
Test Point ID	Freq. (MHz)	Gain (dBi)	Efficiency (%)
1	2400.0	-0.48	22.0%
2	2410.0	-0.58	19.9%
3	2420.0	-0.55	18.7%
4	2430.0	-0.66	17.3%
5	2440.0	-0.89	16.1%
6	2450.0	-1.01	15.8%
7	2460.0	-0.96	16.8%
8	2470.0	-1.27	16.7%
9	2480.0	-1.08	18.5%
10	2490.0	-1.14	18.7%
11	2500.0	-0.89	20.9%
12	5100.0	3.30	35.5%
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%



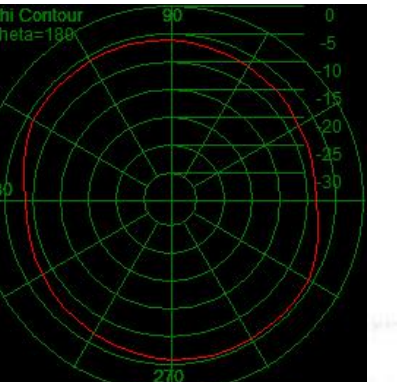
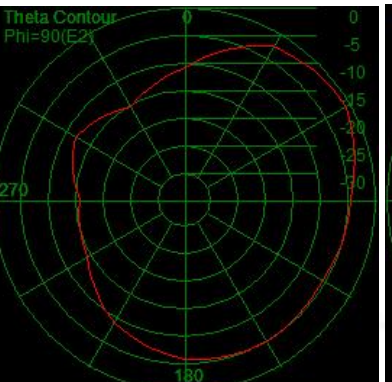
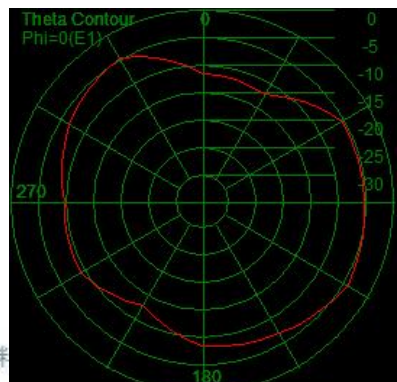
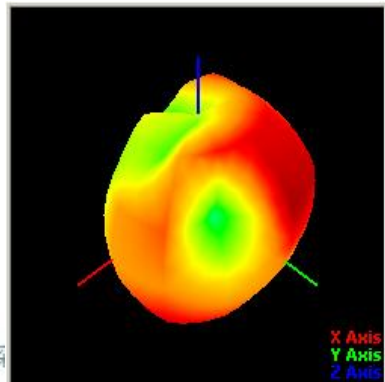
2400Mhz:



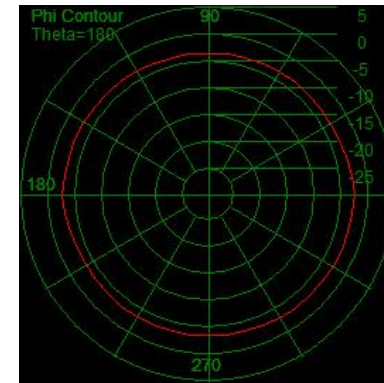
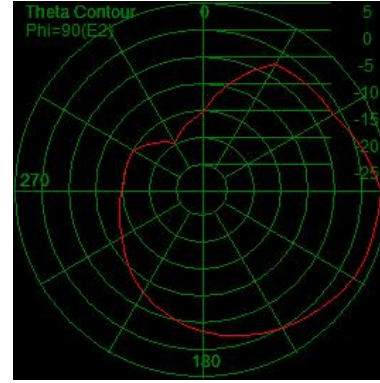
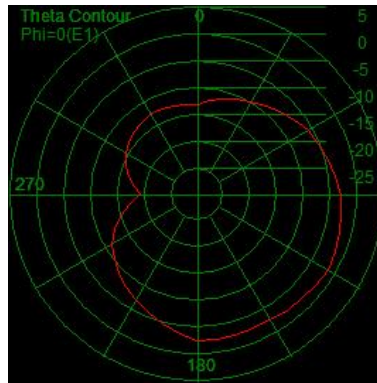
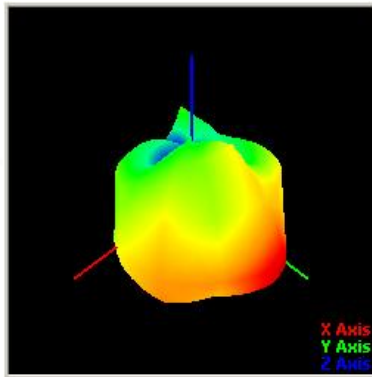
2450Mhz:



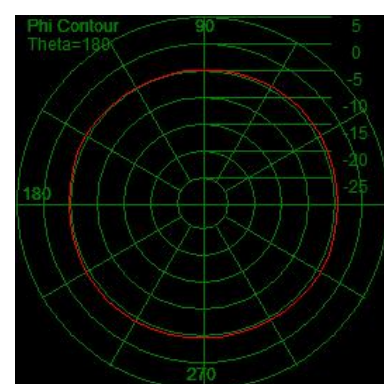
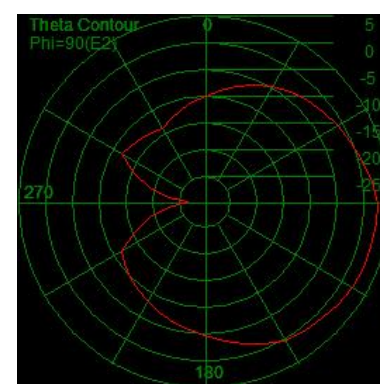
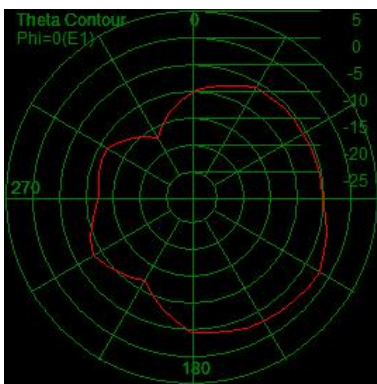
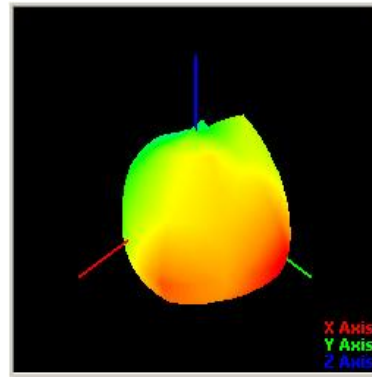
2500Mhz:



5100Mhz:



5450Mhz:



5800Mhz:

