

Antenna Test Report

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Project Name: UTi640Q

Supplier: MyAntenna RF Technology Co., Ltd
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Update: 2023-11-29

项目概况

OverView

CUSTOMER NAME	优利德	PROJECT NAME	UTi640Q
Items	Details		
• FREQUENCY	2400MHz-2500MHz; 5100MHz-5800MHz		
• PROJECT TYPE			
• ANTENNA SPACE			
• FEED & GROUND PAD			
• SENSITIVE ELEMENTS			
• ANTENNA TYPE			
• PCB			
• OTHERS			

历史报告记录

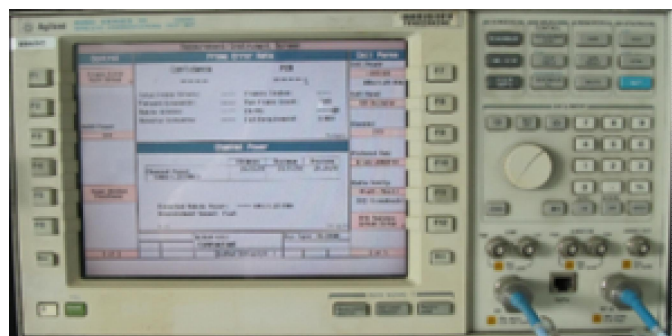
Revision History

日期(Date)	版本 (Revision)	负责人(Author)	更改原因(Description of changes)
2023-11-29	A	Yang Yongcheng	

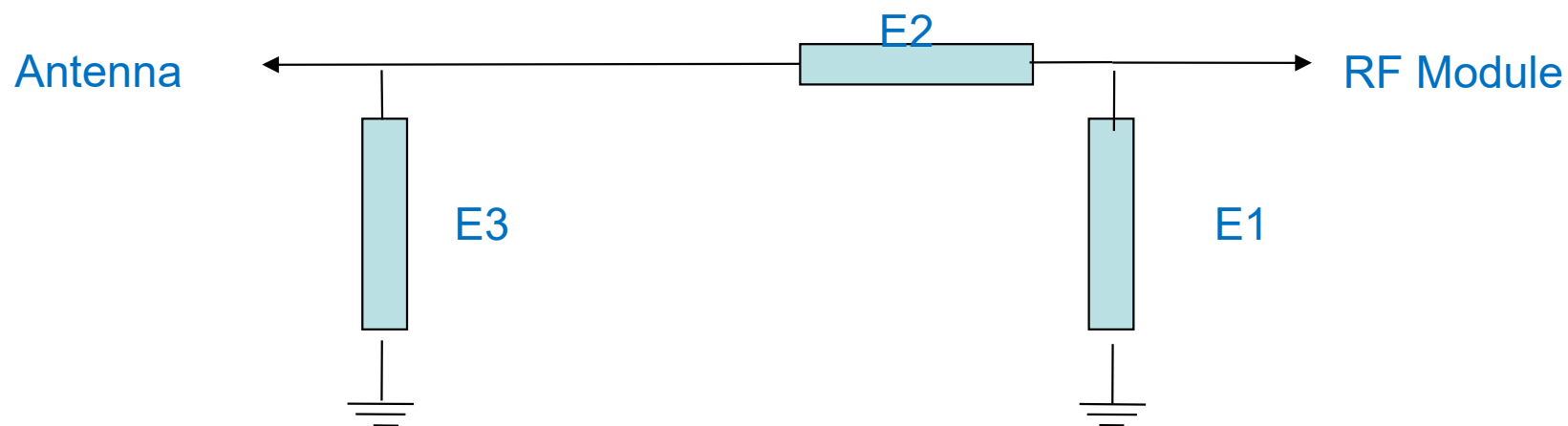


Test Item & Equipment

List	Test Item	Equipment	
1.S Parameter	VSWR, Return Loss	Agilent VNA	
2.Active Test	TRP, TIS	Agilent 8960	RayZone1800
3.Passive Test	Gain, Efficiency, Pattern	Agilent E5071C	



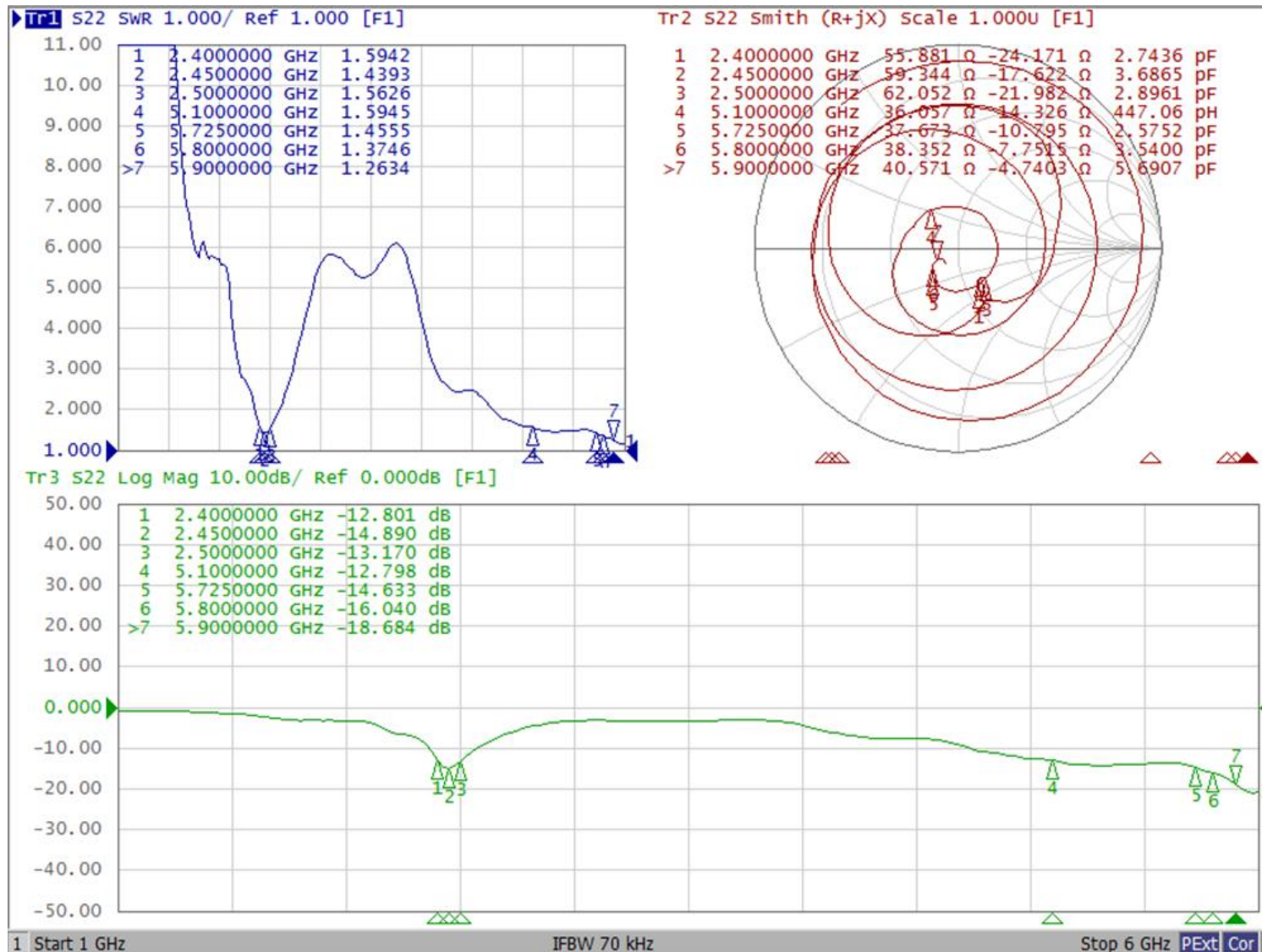
Matching Circuit



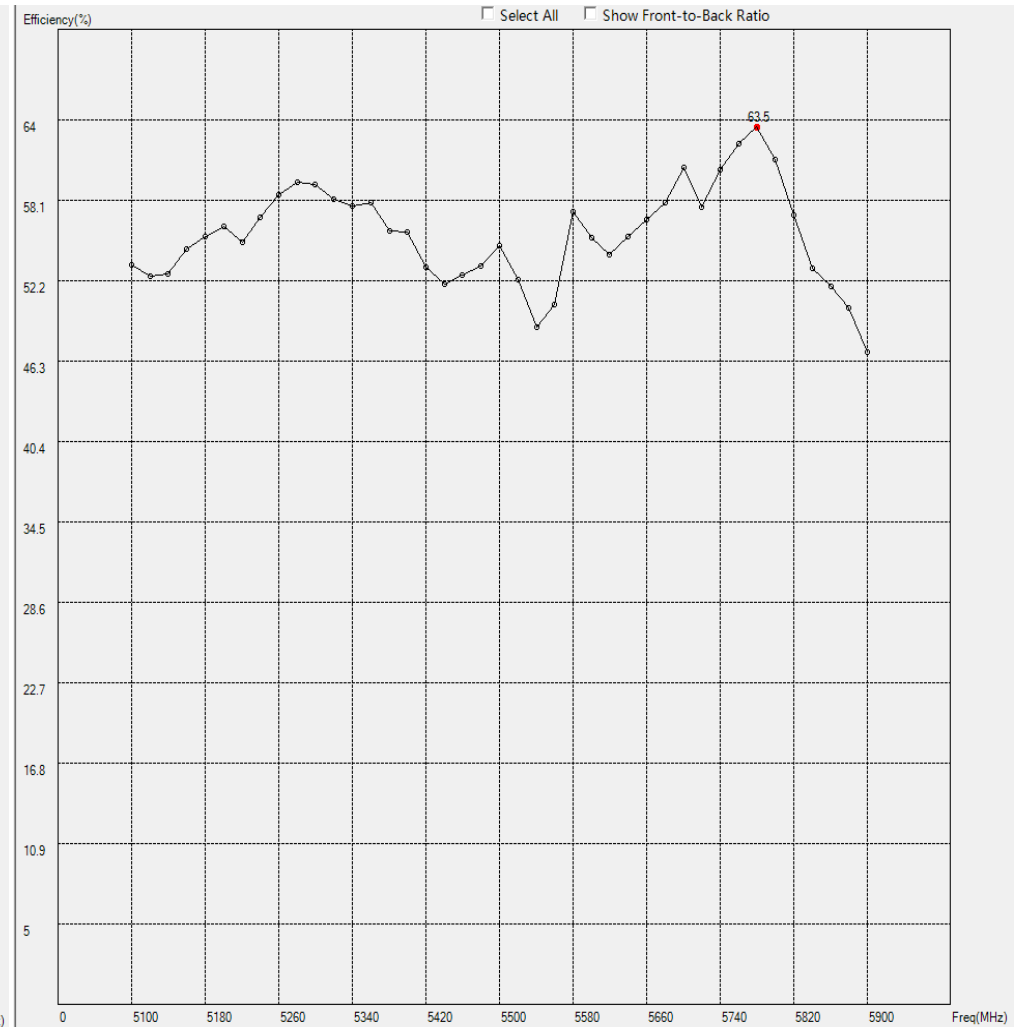
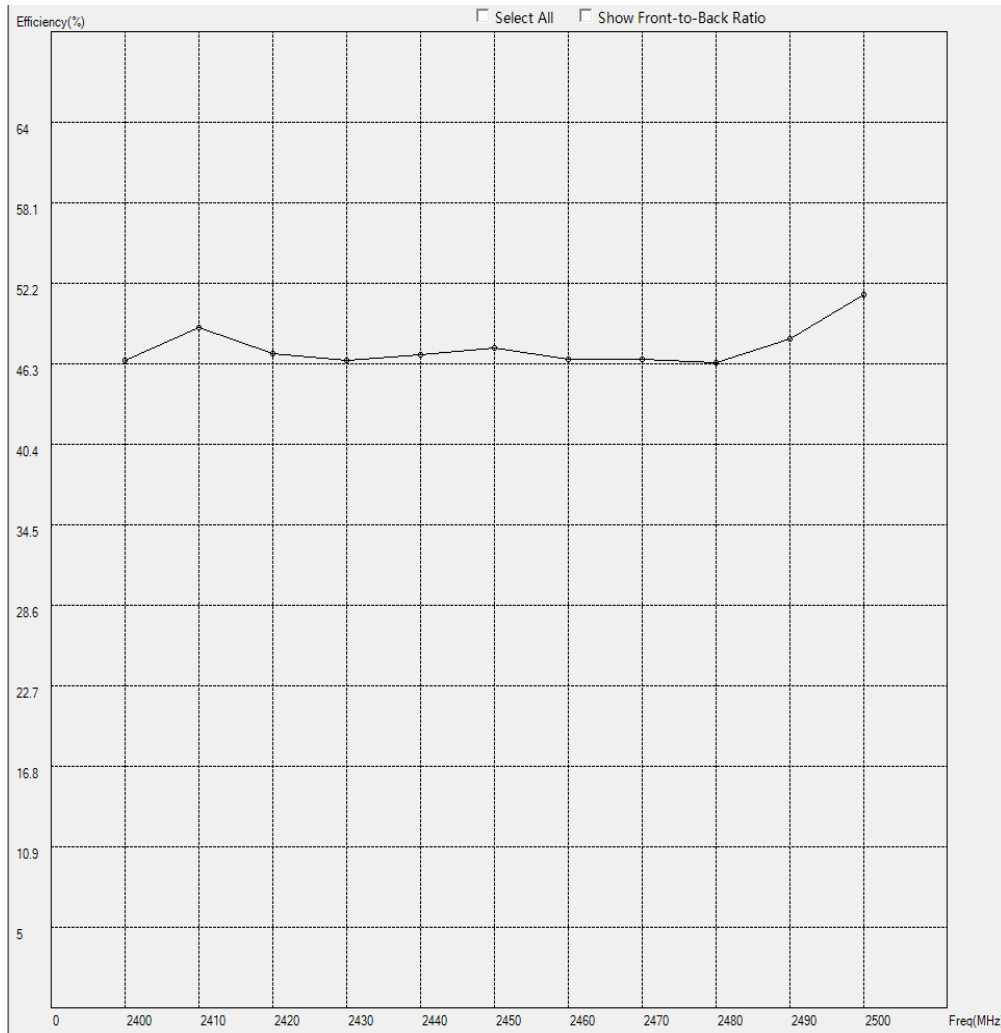
Element	Value
E1(0402)	NC
E2(0402)	0
E3(0402)	NC

2023-11-29

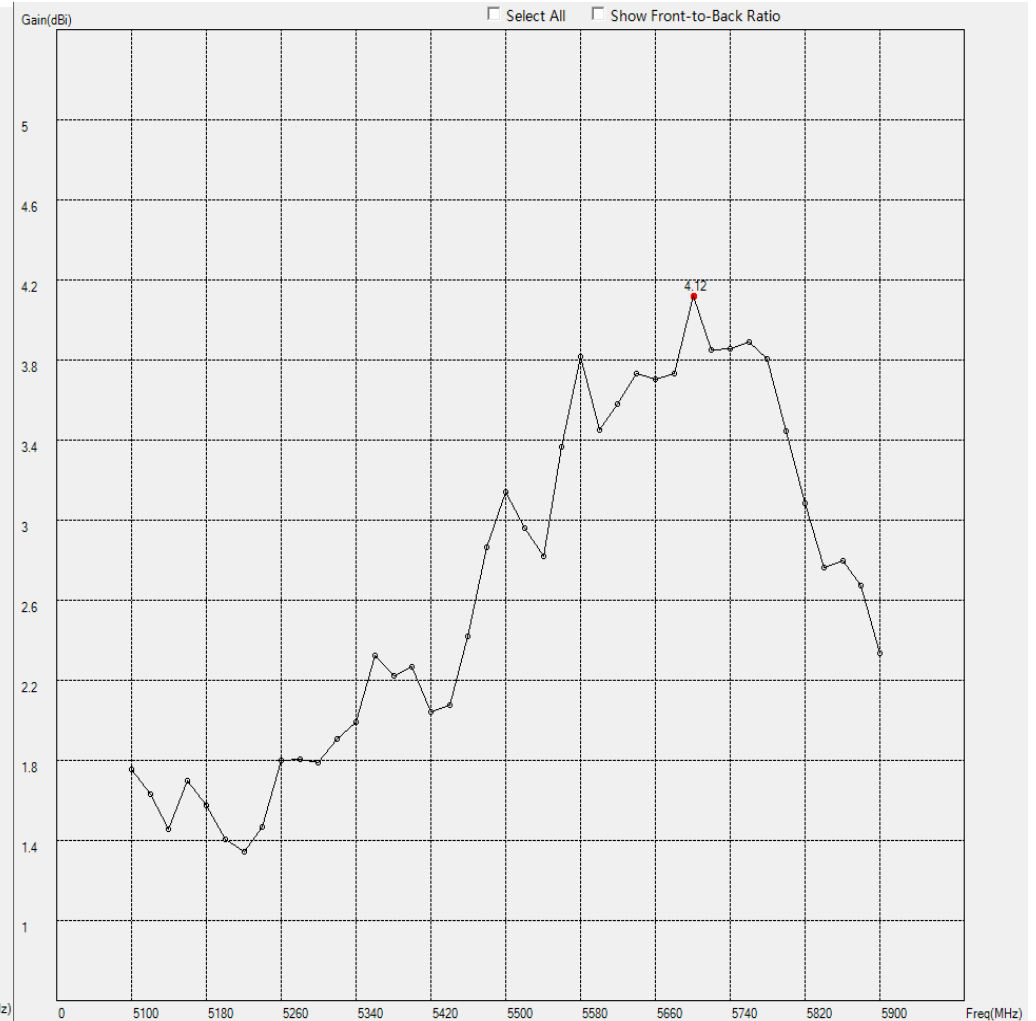
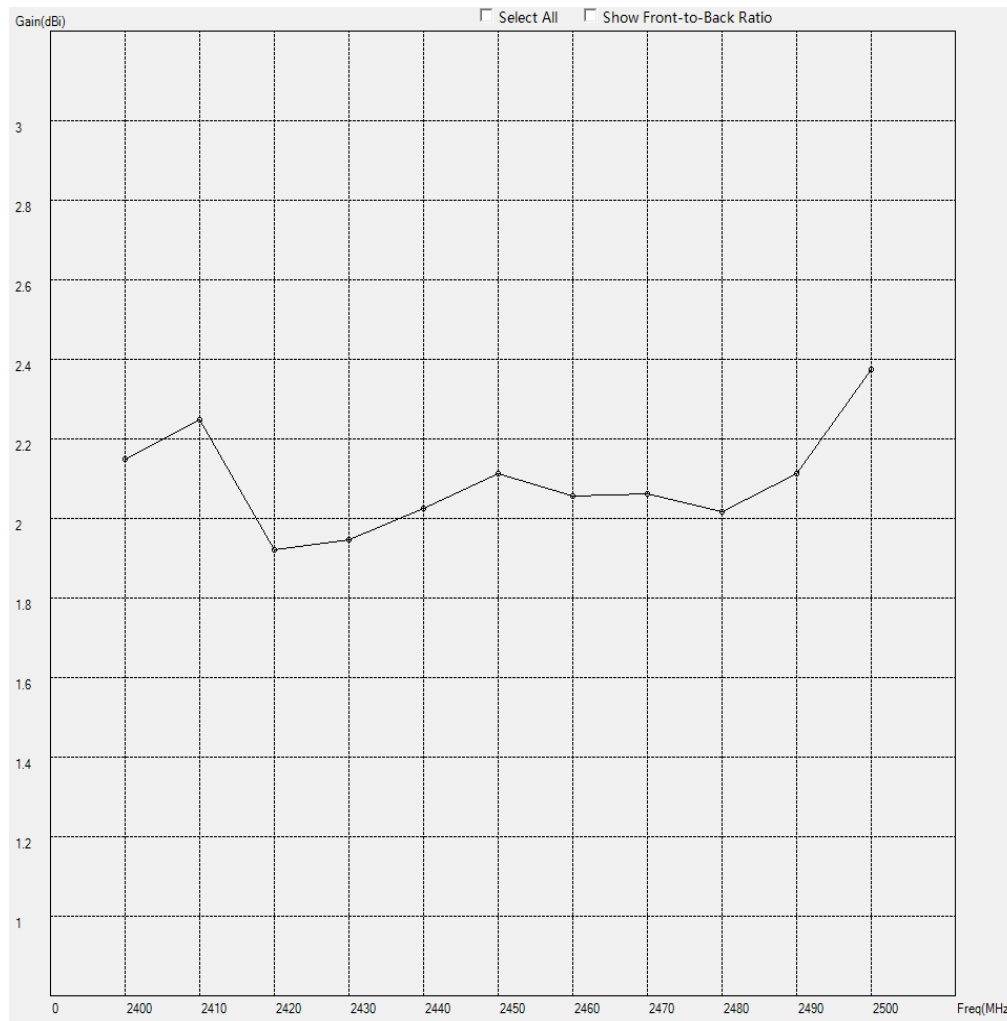
VSWR



Passive data (efficiency)



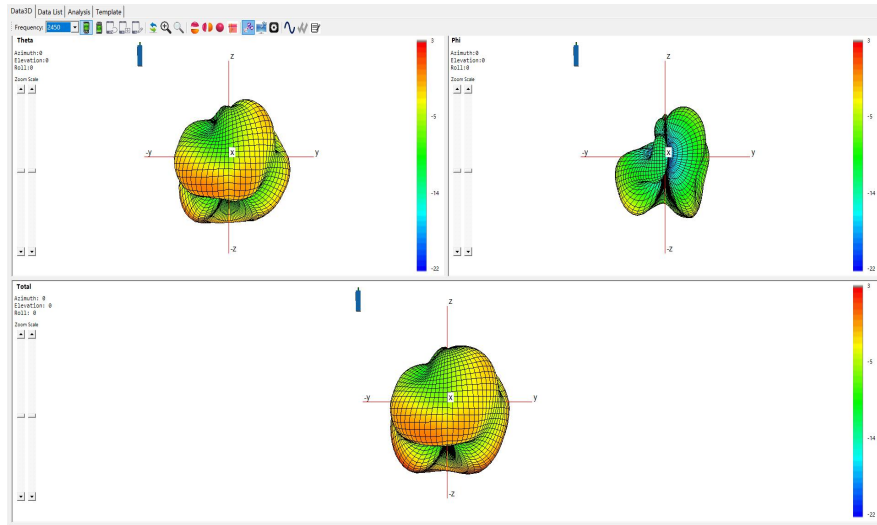
Passive data (gain)



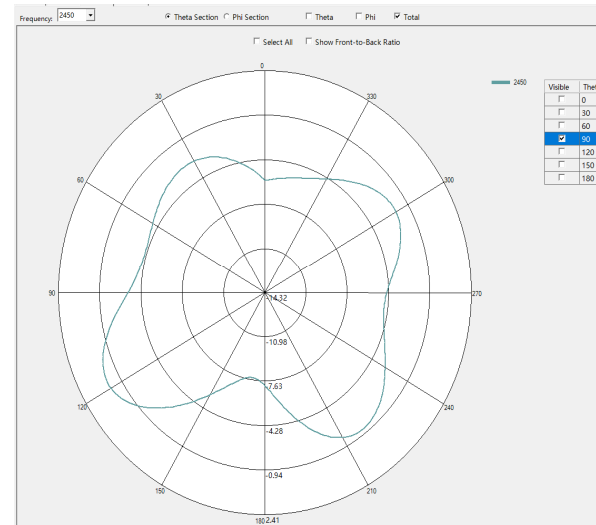
Passive data (detailed data)

Freq	Gain (dBi)	Efficiency (%)	Freq	Gain (dBi)	Efficiency (%)
2400	2.15	46.52	5400	2.27	55.80
2410	2.25	48.94	5420	2.04	53.21
2420	1.92	47.04	5440	2.08	51.96
2430	1.95	46.55	5460	2.42	52.63
2440	2.02	46.98	5480	2.87	53.28
2450	2.11	47.42	5500	3.14	54.74
2460	2.06	46.67	5520	2.96	52.27
2470	2.06	46.59	5540	2.82	48.76
2480	2.02	46.35	5560	3.36	50.47
2490	2.11	48.10	5580	3.82	57.27
2500	2.37	51.35	5600	3.45	55.39
5100	1.75	53.34	5620	3.58	54.11
5120	1.63	52.54	5640	3.73	55.42
5140	1.46	52.74	5660	3.71	56.70
5160	1.70	54.55	5680	3.73	57.92
5180	1.57	55.42	5700	4.12	60.54
5200	1.40	56.16	5720	3.85	57.57
5220	1.34	55.05	5740	3.85	60.36
5240	1.47	56.85	5760	3.89	62.24
5260	1.80	58.54	5780	3.81	63.50
5280	1.81	59.39	5800	3.44	61.11
5300	1.79	59.26	5820	3.08	57.01
5320	1.91	58.15	5840	2.76	53.09
5340	1.99	57.66	5860	2.80	51.74
5360	2.32	57.94	5880	2.67	50.24
5380	2.22	55.86	5900	2.33	46.95

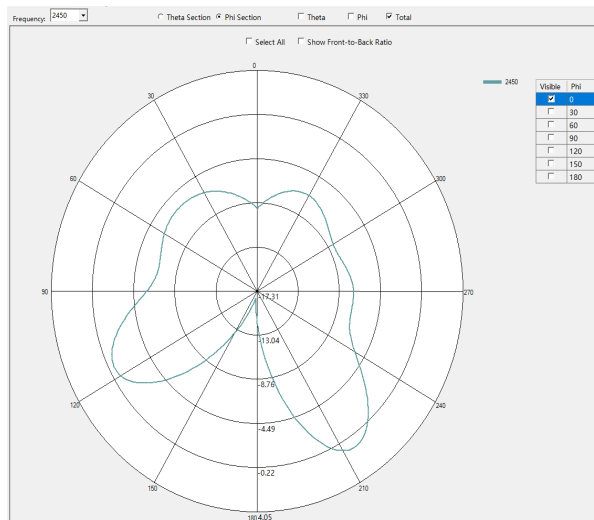
Antenna 2D/3D pattern (2450MHz)



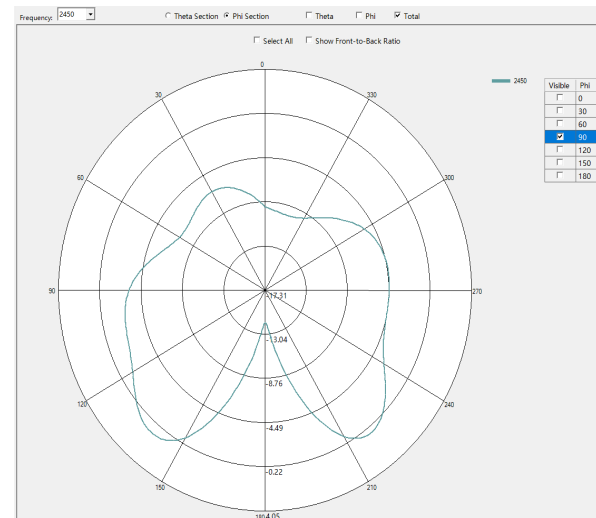
3D



H面

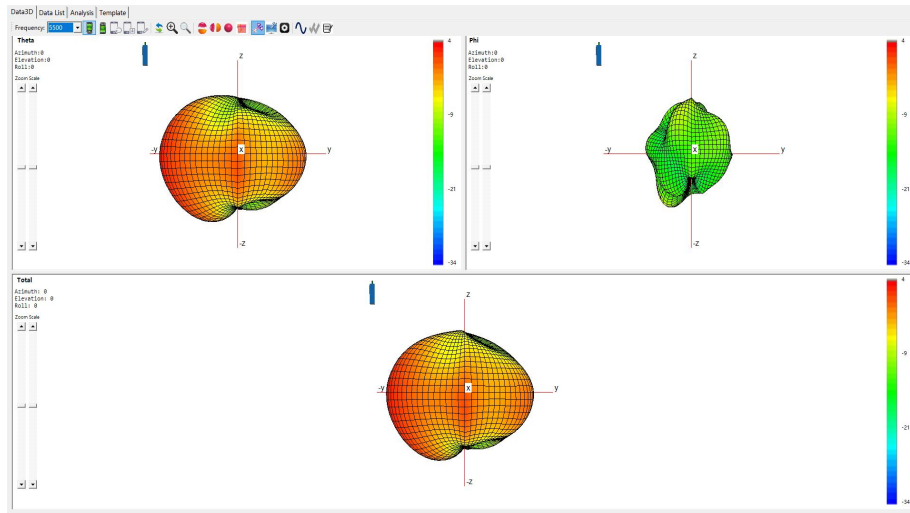


E1面

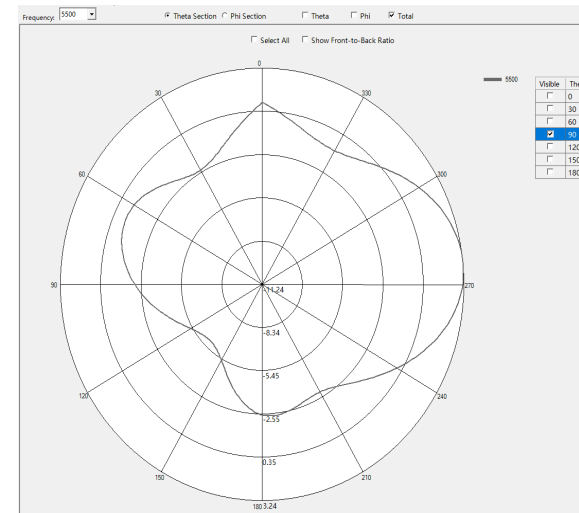


E2面

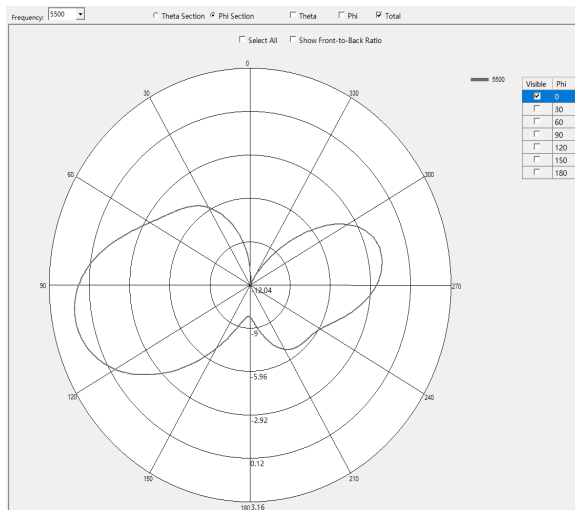
Antenna 2D/3D pattern (5500MHz)



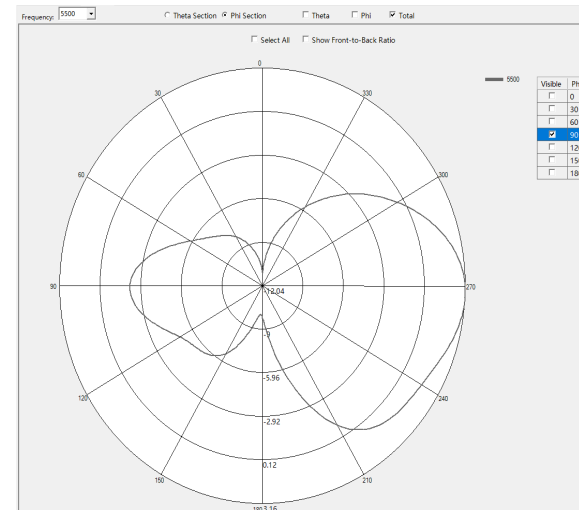
3D



H面



E1面



E2面

dimensional drawing

