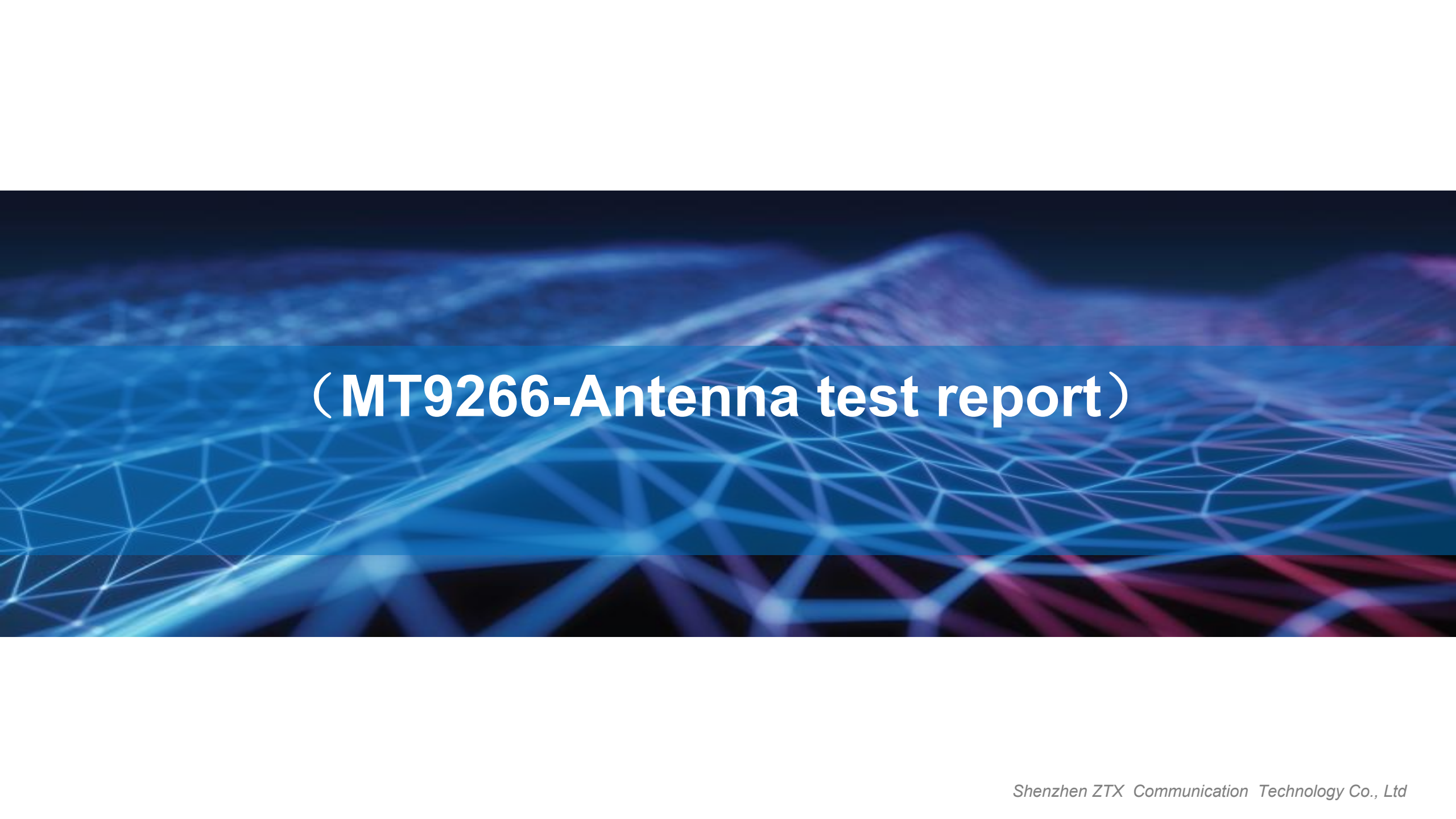


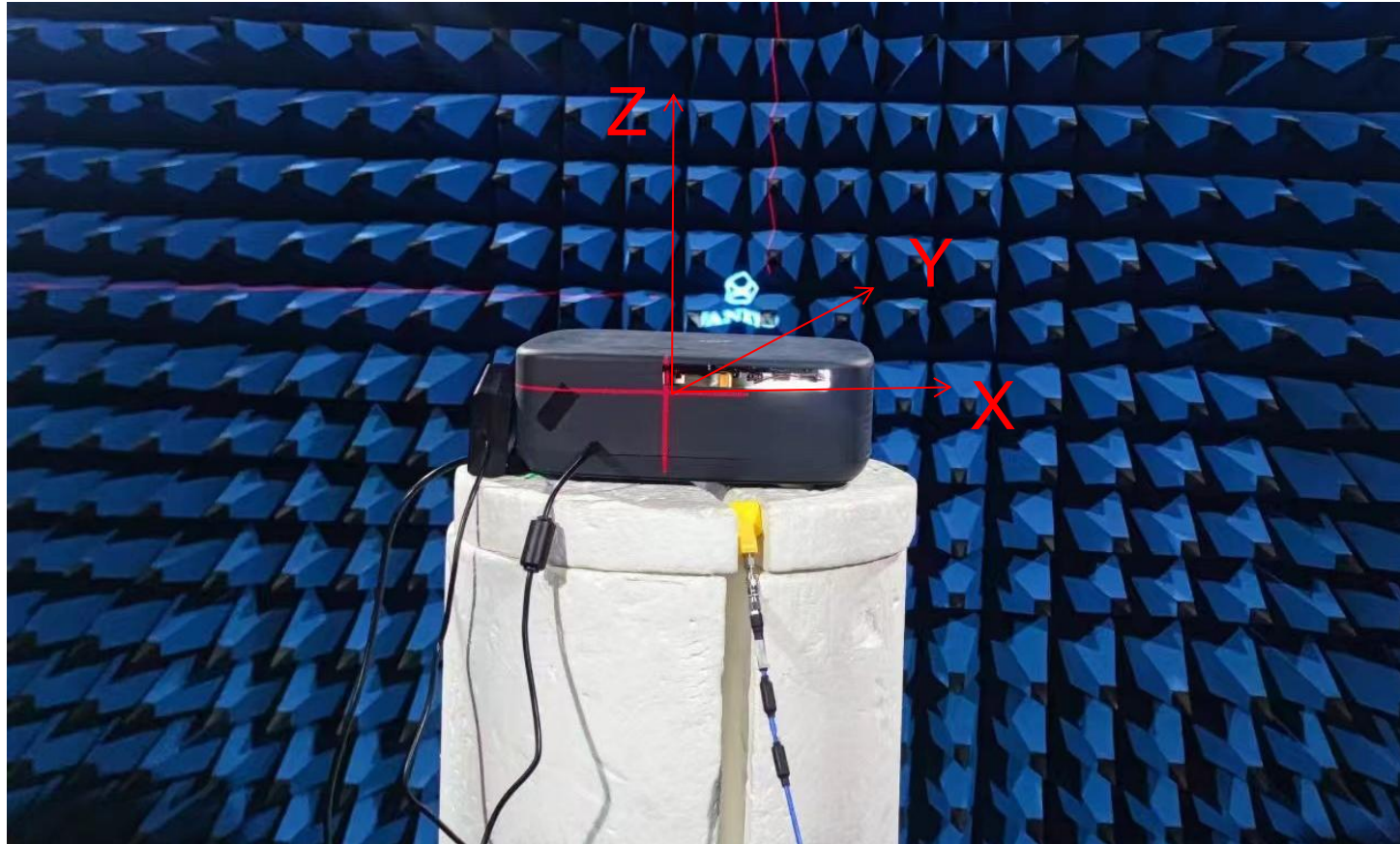


(MT9266-Antenna test report)

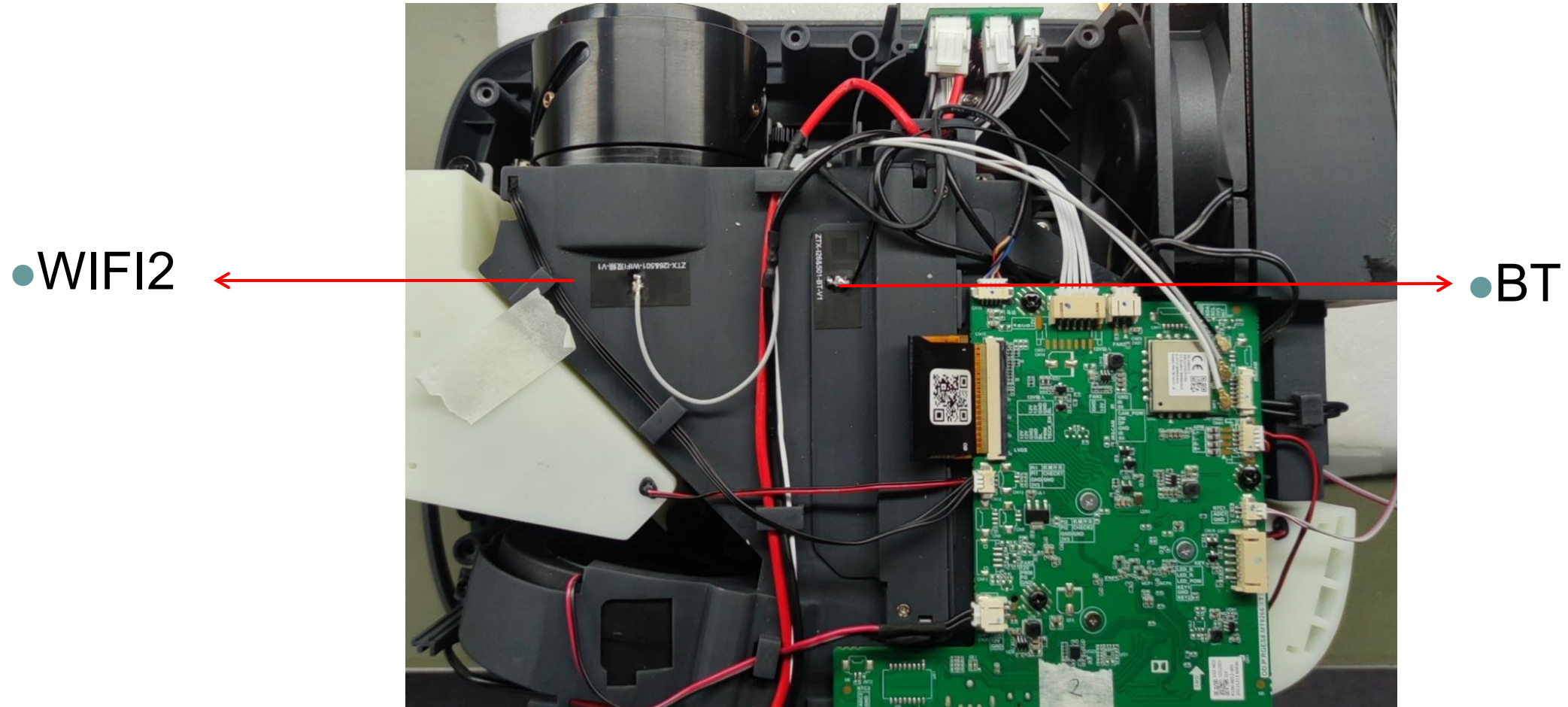
Catalogue

- ❑ (overall scheme design)
- ❑ (Antenna debugging data)

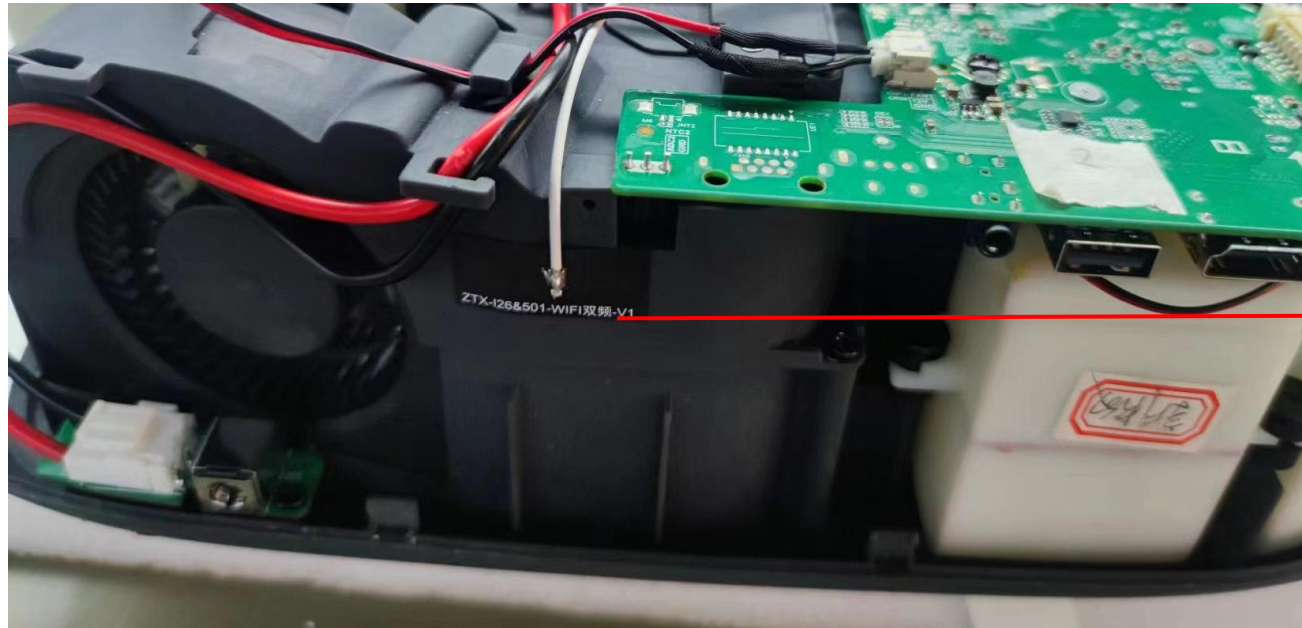
(Antenna testing environment)



(Location of antenna)

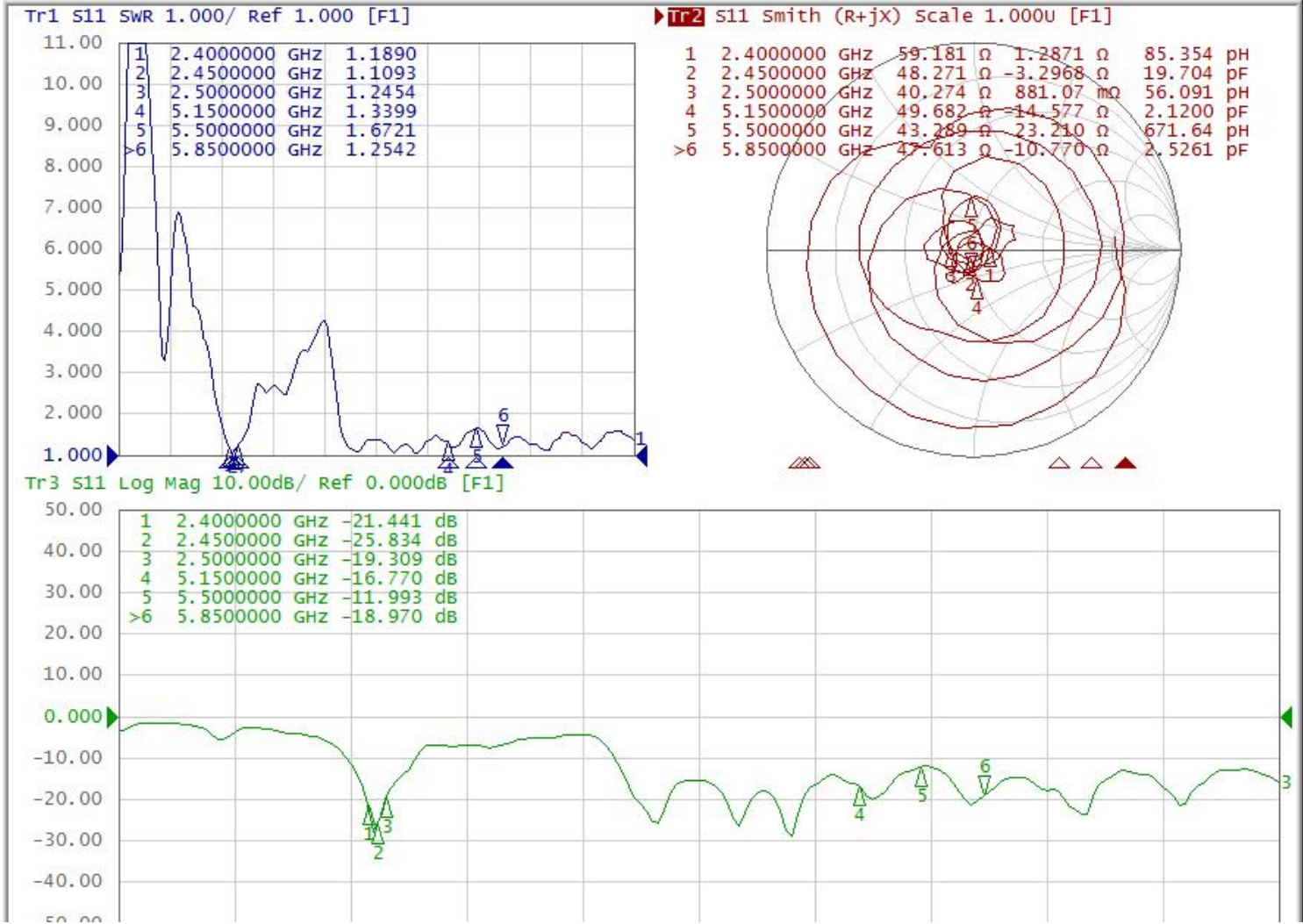


(Location of antenna)



●WIFI1

(Antenna WiFi test data: VSWR)



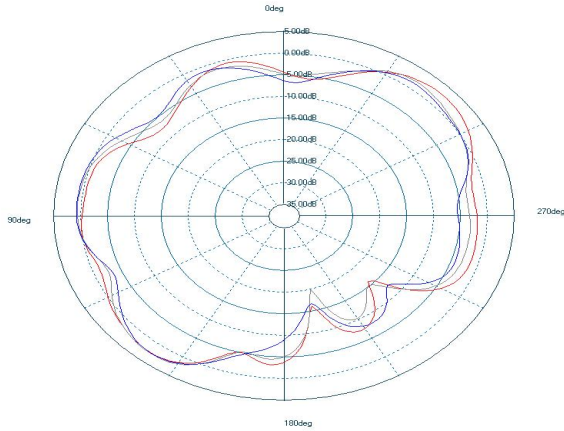
(Antenna WiFi1 test data: efficiency/gain)

Frequency	Efficiency	Efficiency	Gain.dBi
2400	58%	-2.37	4.09
2410	54%	-2.68	3.96
2420	57%	-2.44	4.07
2430	56%	-2.52	3.90
2440	55%	-2.60	3.75
2450	56%	-2.52	3.94
2460	55%	-2.60	4.06
2470	53%	-2.76	3.97
2480	56%	-2.52	3.97
2490	55%	-2.60	3.71
2500	55%	-2.60	3.67

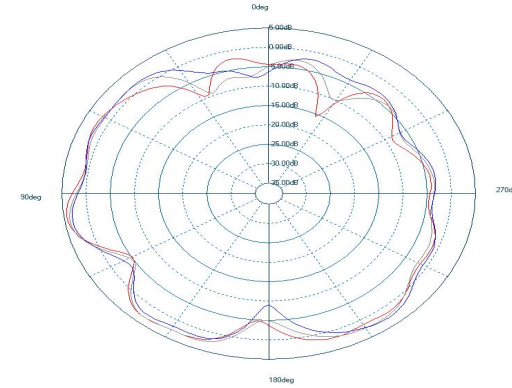
Frequency	Efficiency	Efficiency	Gain.dBi
5150	50%	-3.00	3.98
5200	53%	-2.79	3.39
5250	45%	-3.45	4.27
5300	45%	-3.49	4.08
5350	45%	-3.45	4.10
5400	45%	-3.48	4.15
5450	47%	-3.32	3.51
5500	45%	-3.43	3.79
5550	41%	-3.82	3.79
5600	43%	-3.67	3.05
5650	45%	-3.48	3.92
5700	49%	-3.08	3.00
5750	50%	-3.03	3.21
5800	48%	-3.18	4.00
5850	47%	-3.27	3.16

WiFi1-2.4G-directional pattern

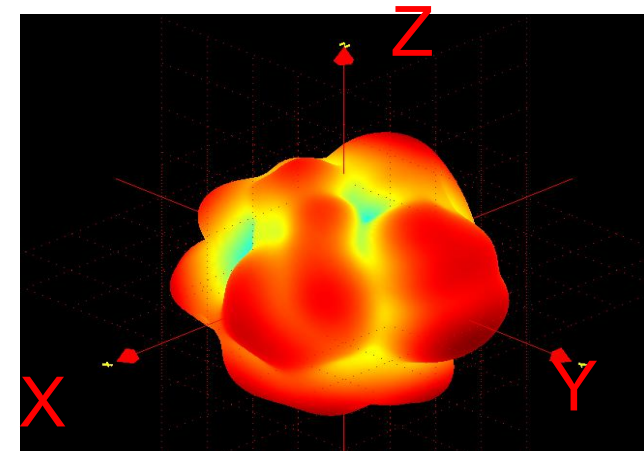
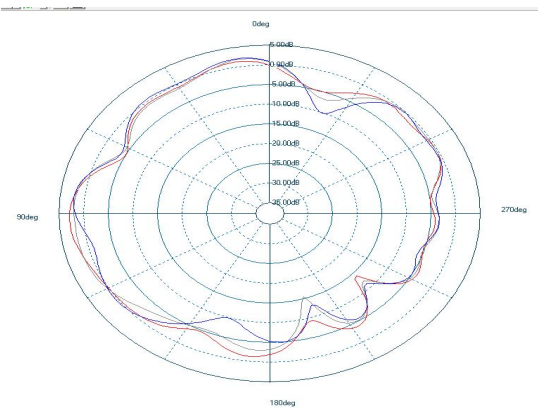
XOZ



YOZ

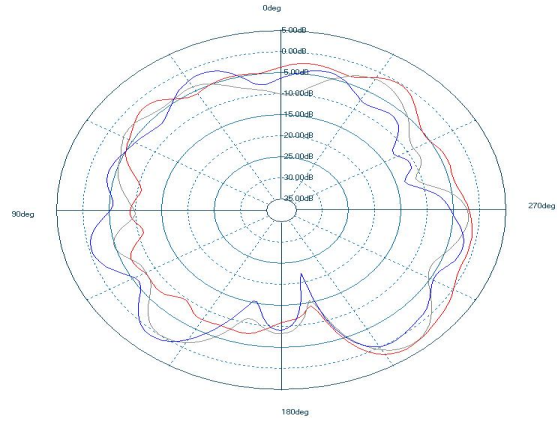


XOY

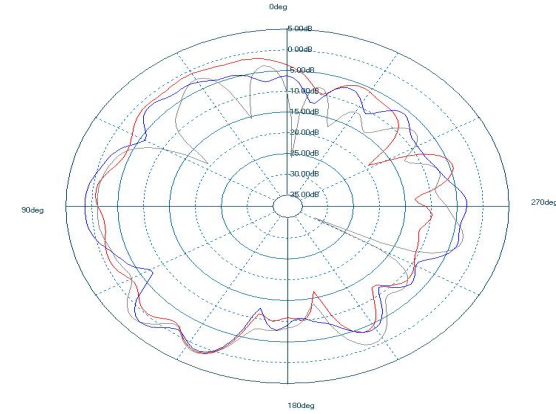


WiFi1-5G-directional pattern

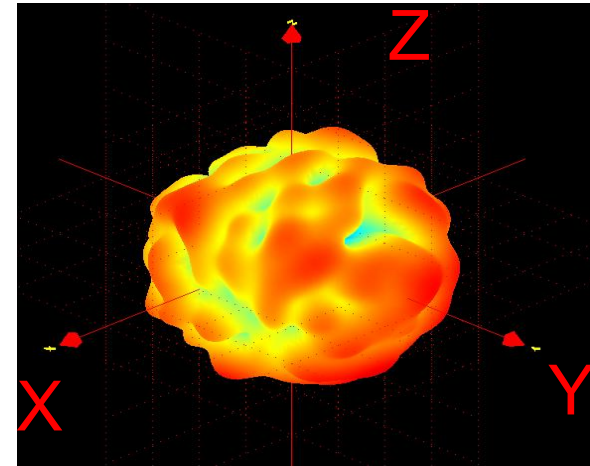
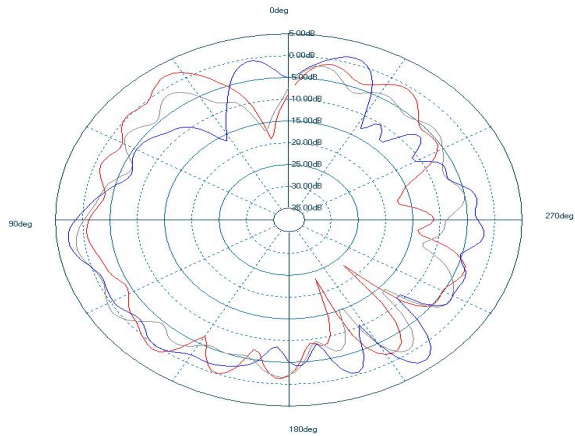
XOZ



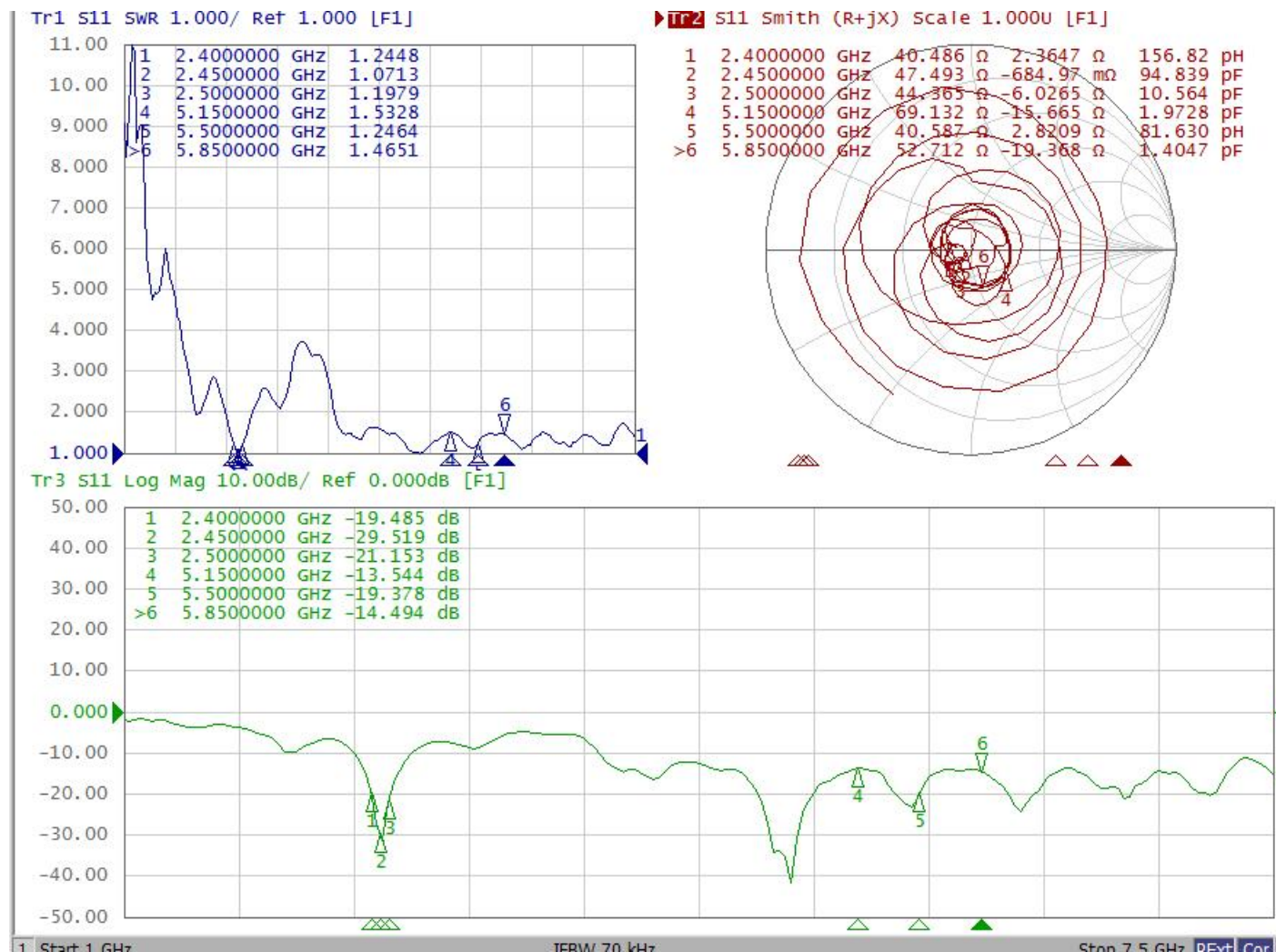
YOZ



XOY



(Antenna WiFi test data: VSWR)



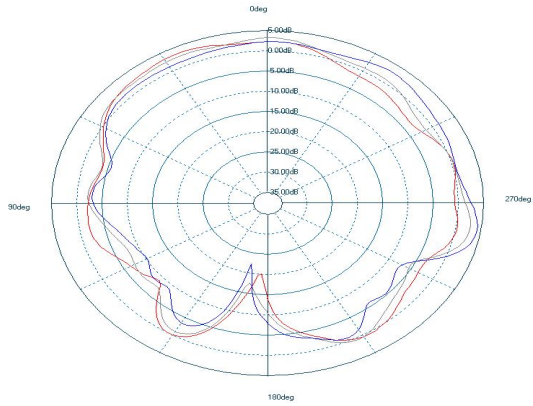
(Antenna WiFi2 test data: efficiency/gain)

Frequency	Efficiency	Efficiency	Gain.dBi
2400	52%	-2.84	3.40
2410	51%	-2.92	4.18
2420	55%	-2.60	3.36
2430	55%	-2.60	3.27
2440	54%	-2.68	4.14
2450	55%	-2.60	3.21
2460	54%	-2.68	3.84
2470	55%	-2.60	3.17
2480	55%	-2.60	3.61
2490	54%	-2.68	2.96
2500	55%	-2.60	3.04

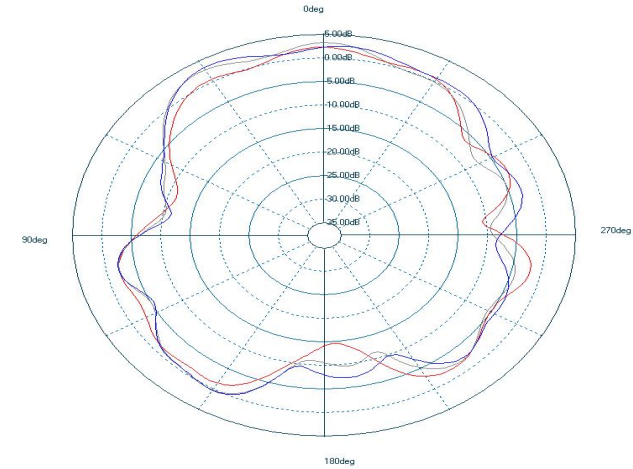
Frequency	Efficiency	Efficiency	Gain.dBi
5150	46%	-3.39	2.87
5200	43%	-3.66	2.91
5250	44%	-3.54	3.75
5300	45%	-3.43	3.84
5350	45%	-3.42	3.29
5400	47%	-3.31	3.47
5450	47%	-3.27	3.36
5500	48%	-3.21	3.07
5550	46%	-3.33	3.17
5600	46%	-3.35	3.15
5650	45%	-3.51	3.16
5700	42%	-3.76	2.79
5750	42%	-3.75	3.13
5800	42%	-3.74	3.63
5850	44%	-3.55	3.61

WiFi2-2.4G-directional pattern

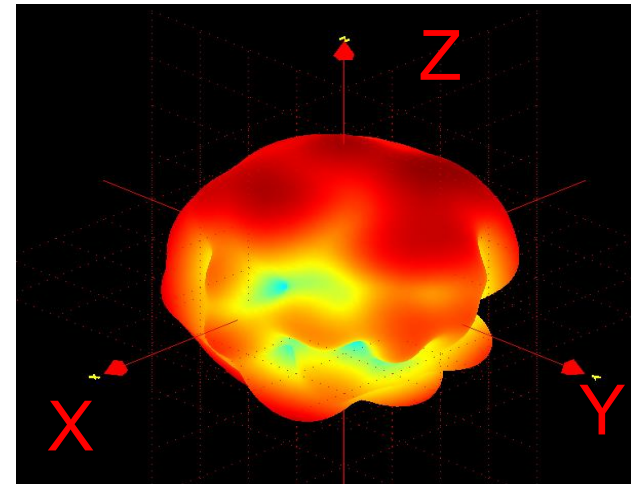
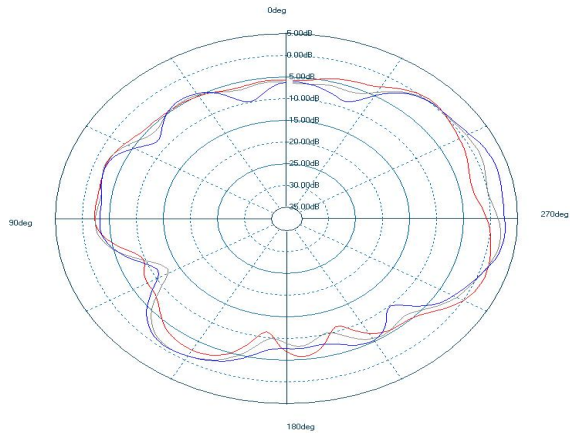
XOZ



YOZ

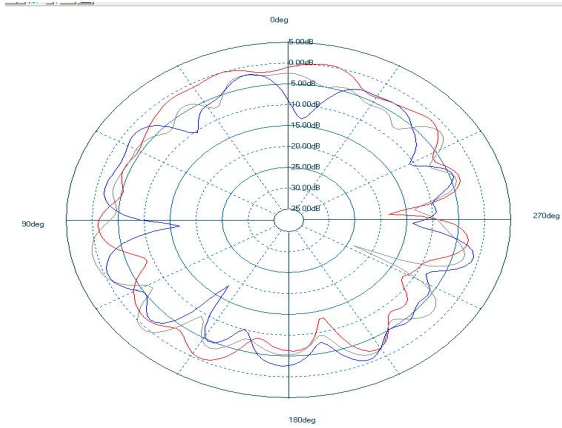


XOY

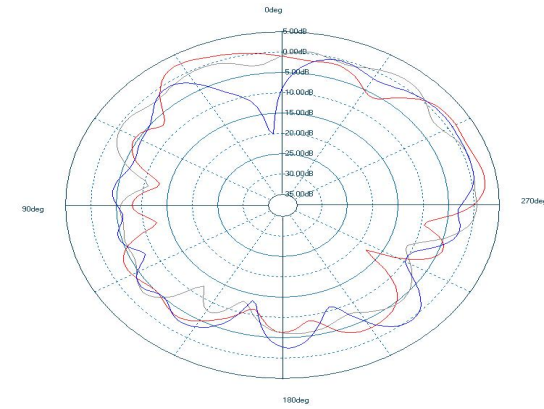


WiFi2-5G-directional pattern

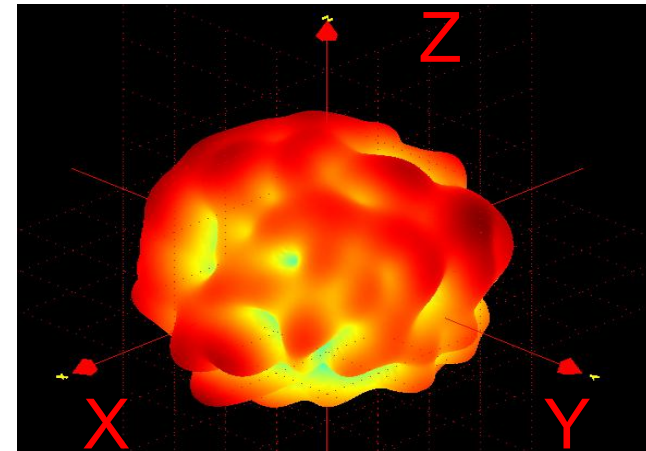
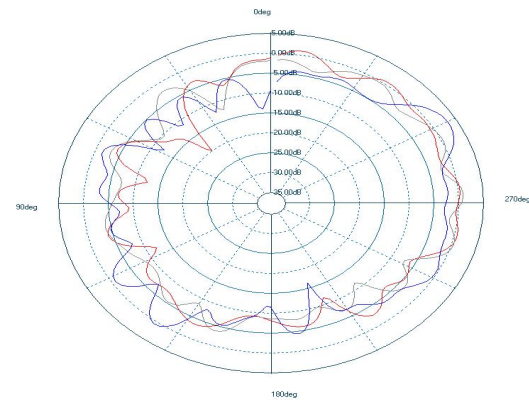
XOZ



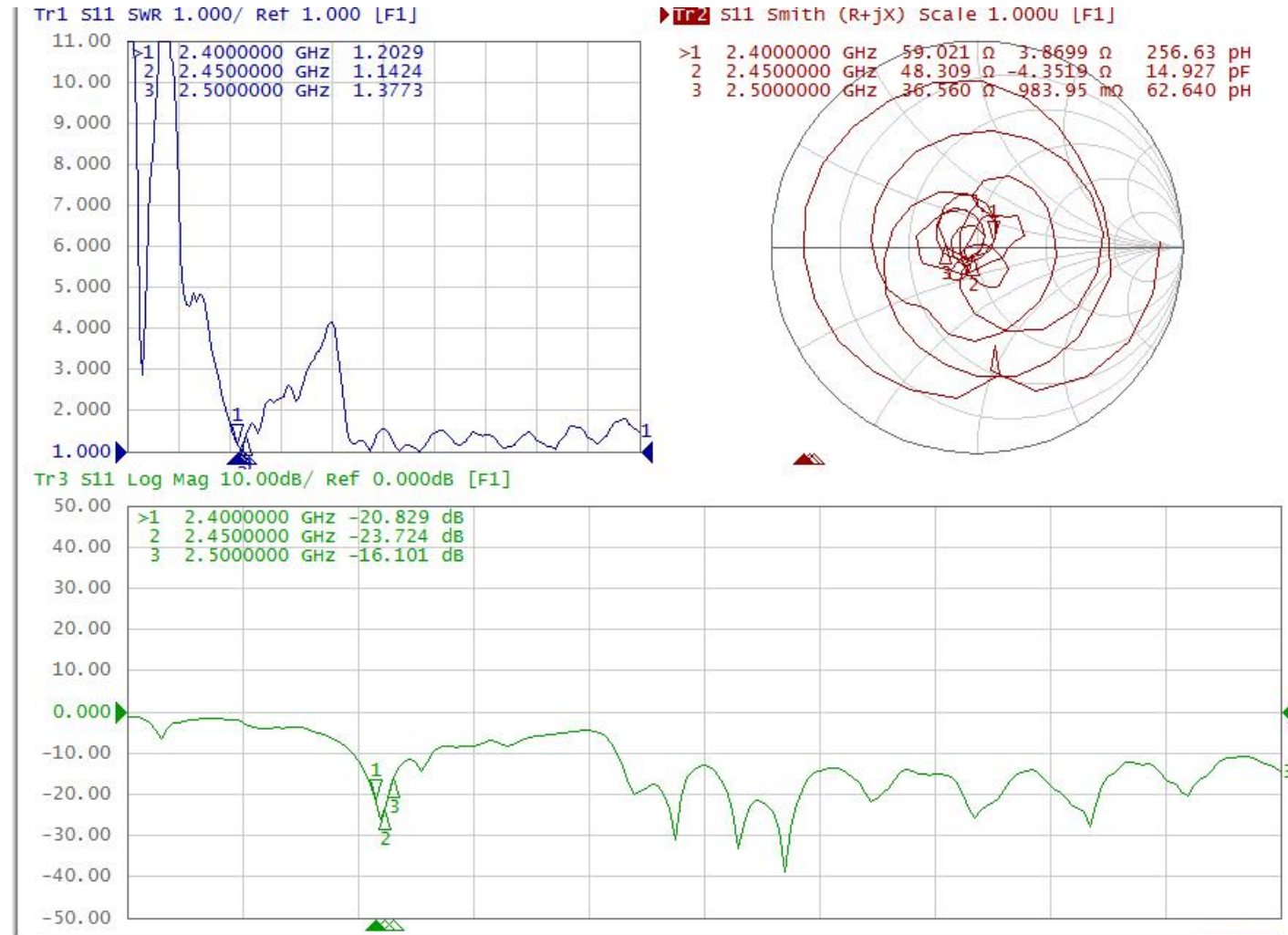
YOZ



XOY



(Antenna BT test data: VSWR)

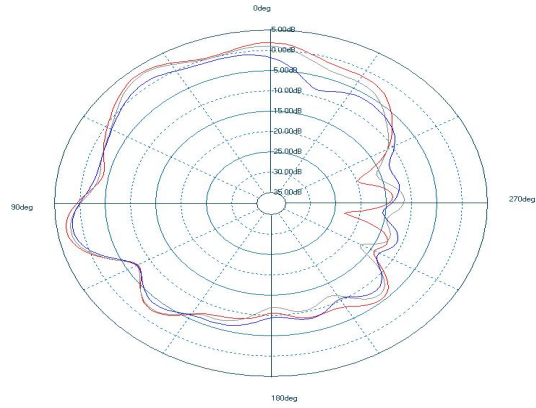


(Antenna BT test data: efficiency/gain)

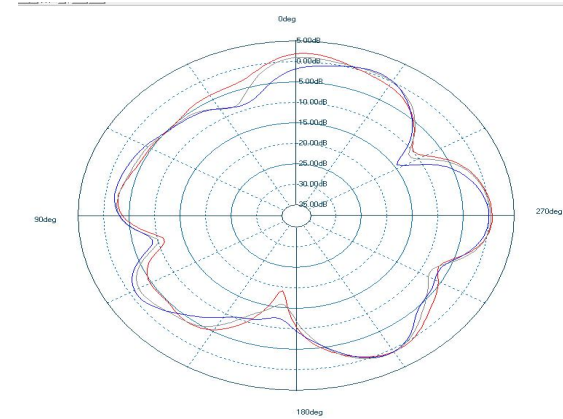
Frequency	Efficiency	Efficiency	Gain.dBi
2400	50%	-3.03	1.84
2410	51%	-2.92	1.68
2420	53%	-2.75	2.12
2430	51%	-2.88	1.89
2440	50%	-3.03	1.72
2450	51%	-2.90	2.00
2460	50%	-2.99	1.77
2470	53%	-2.77	2.05
2480	50%	-2.97	1.82
2490	50%	-2.99	1.95
2500	50%	-3.03	2.18

BT-2.4G-directional pattern

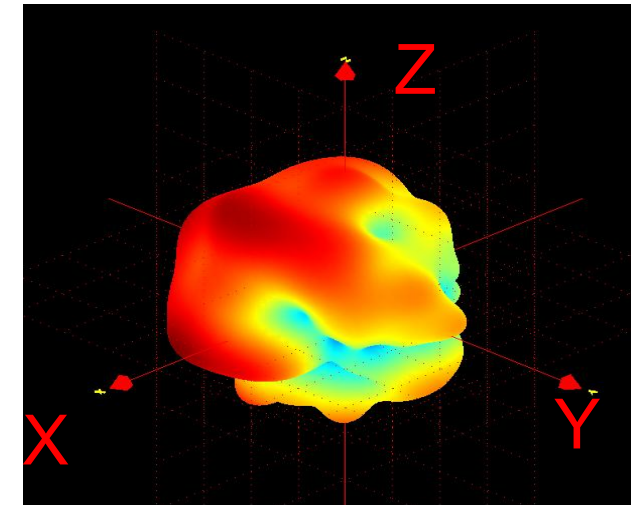
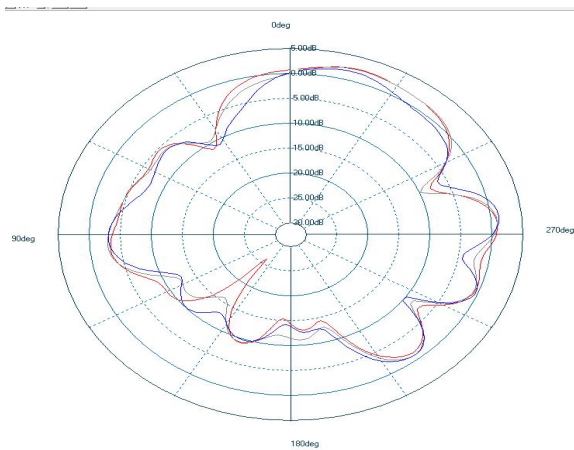
XOZ



YOZ



XOY



Antenna WiFi OTA:TRP/TIS

	channel	TRP	TIS
B	1	17.37	-76.39
	6	17.24	-77.24
	11	17.36	-76.98
G	1	14.65	-67.39
	6	14.33	-66.96
	11	14.69	-67.24
N	1	14.38	-65.13
	6	14.29	-65.34
	11	14.68	-66.28

Antenna WiFi OTA:TRP/TIS

	channel	TIS	TIS
A	36	12.97	-71.24
	149	13.05	-70.29
	165	12.86	-71.01

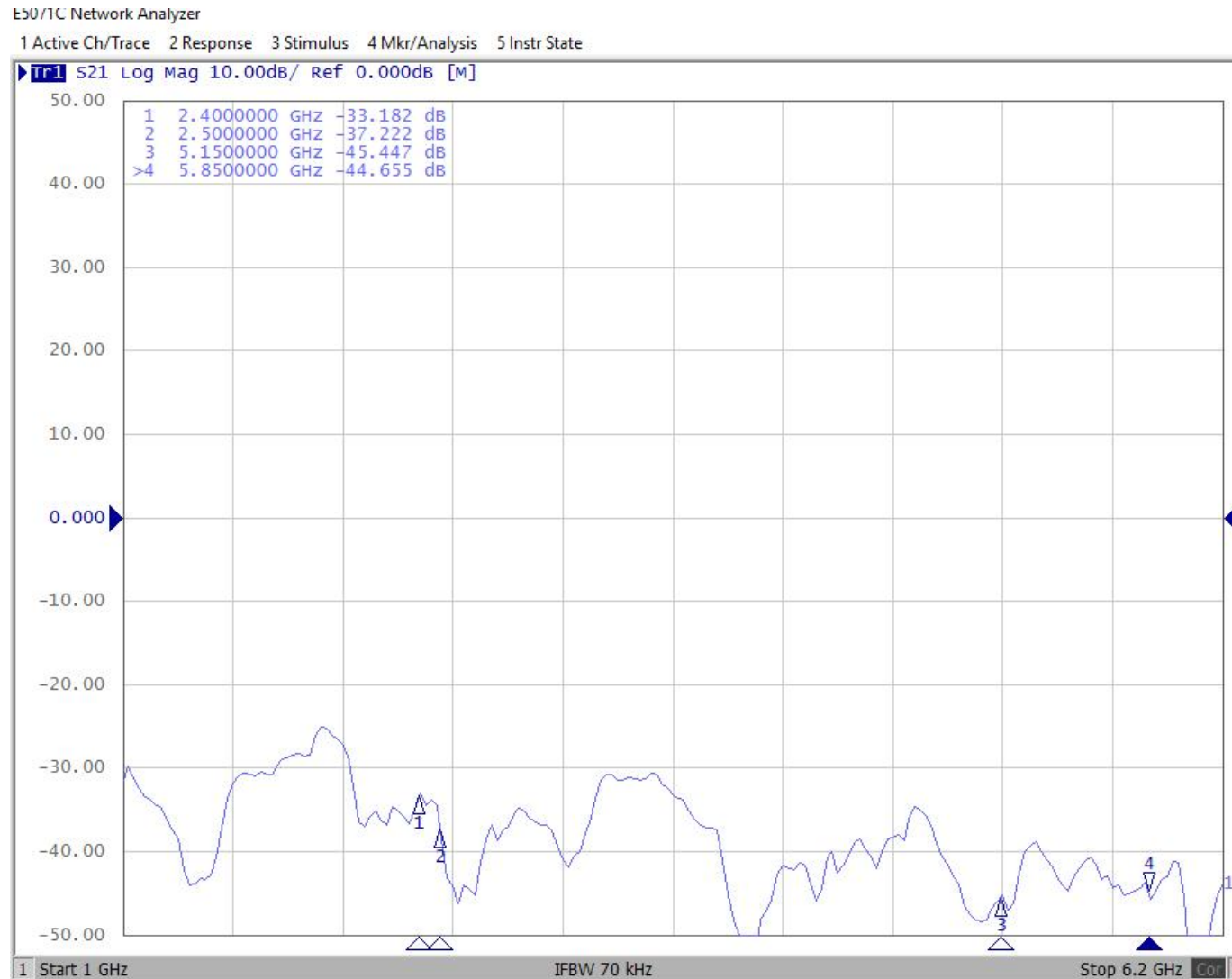
	channel	TIS	TIS
N	36	12.87	-66.69
	149	12.65	-67.59
	165	12.49	-68.09

	channel	TIS	TIS
AC	36	12.87	-68.14
	149	12.69	-69.09
	165	12.57	-68.39

Antenna BT OTA:TRP/TIS

	channel	TIS	TIS
BT	0	1.07	-88.86
	39	1.09	-88.97
	78	1.11	-89.39

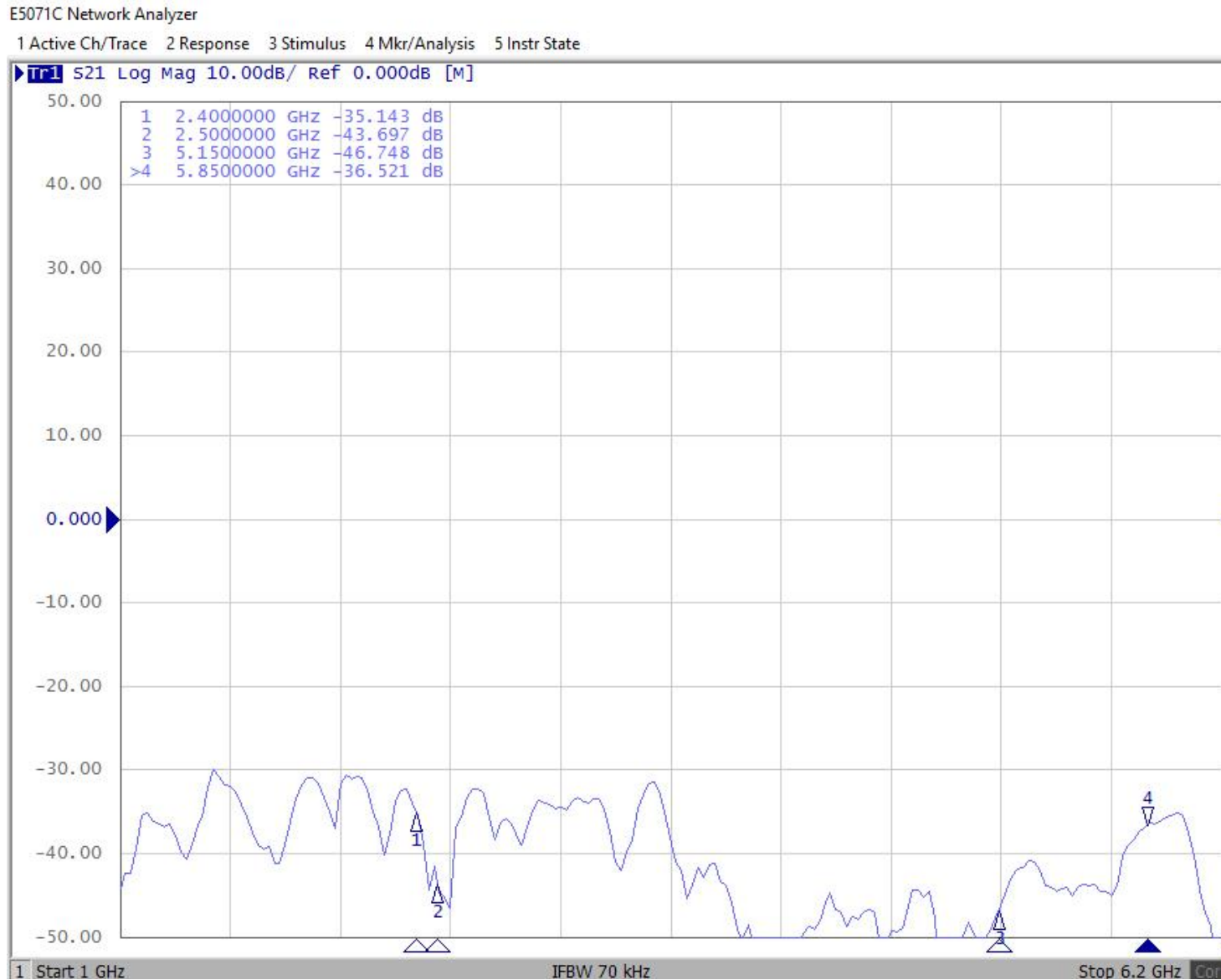
Antenna WiFi1 and WiFi2-Isolation degree



●Antenna WiFi2 and BT-Isolation degree



●Antenna WiFi1 and BT-Isolation degree



Thank You

