



Antenna Measurement Report BTH-1441 For Shengdian

8. September. 2022

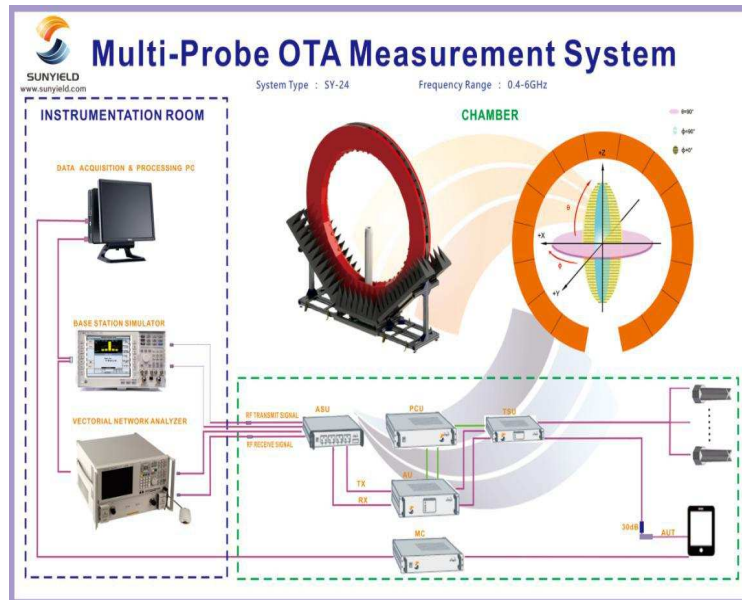
Company: Shen Zhen Golden Shine Electronics Co., Ltd

Address: Room 8502, Darun Science and Technology Building, Buyong Shajing Road, Shajing Street, Bao'an District, Shenzhen



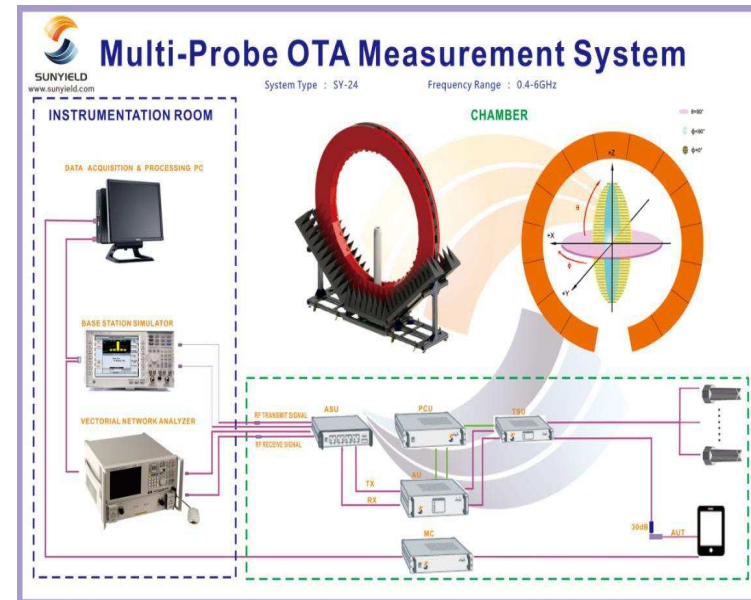
HONANT Antenna Group
Asurement Equipment

(1) Passive Chamber



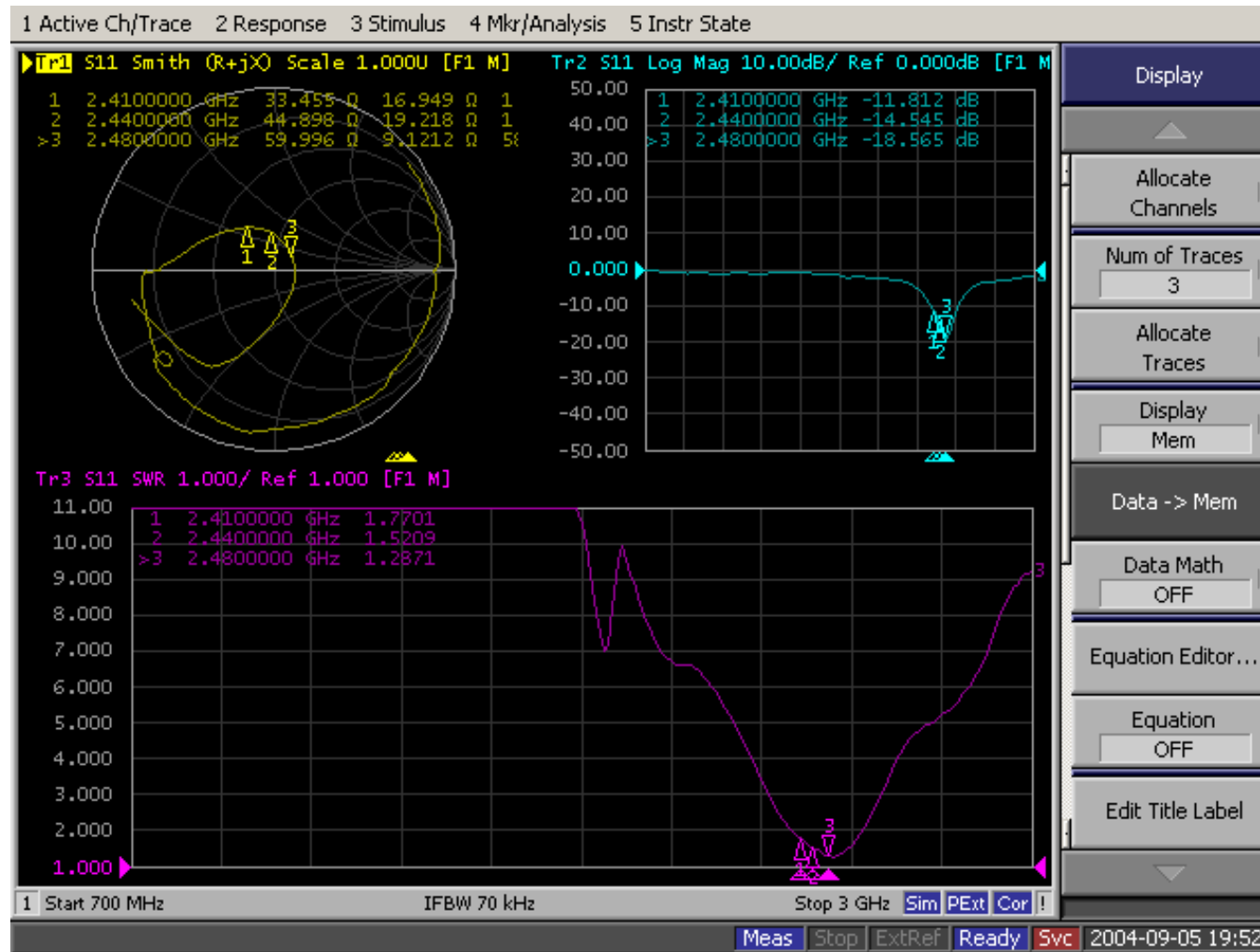
No	Equipment	Maker	MODEL
1	Anechoic Chamber	SUNYIELD	SY-24 (4*4*4) (Size)
2	Network Analyzer	Agilent	E5071B

(2) Active Chamber

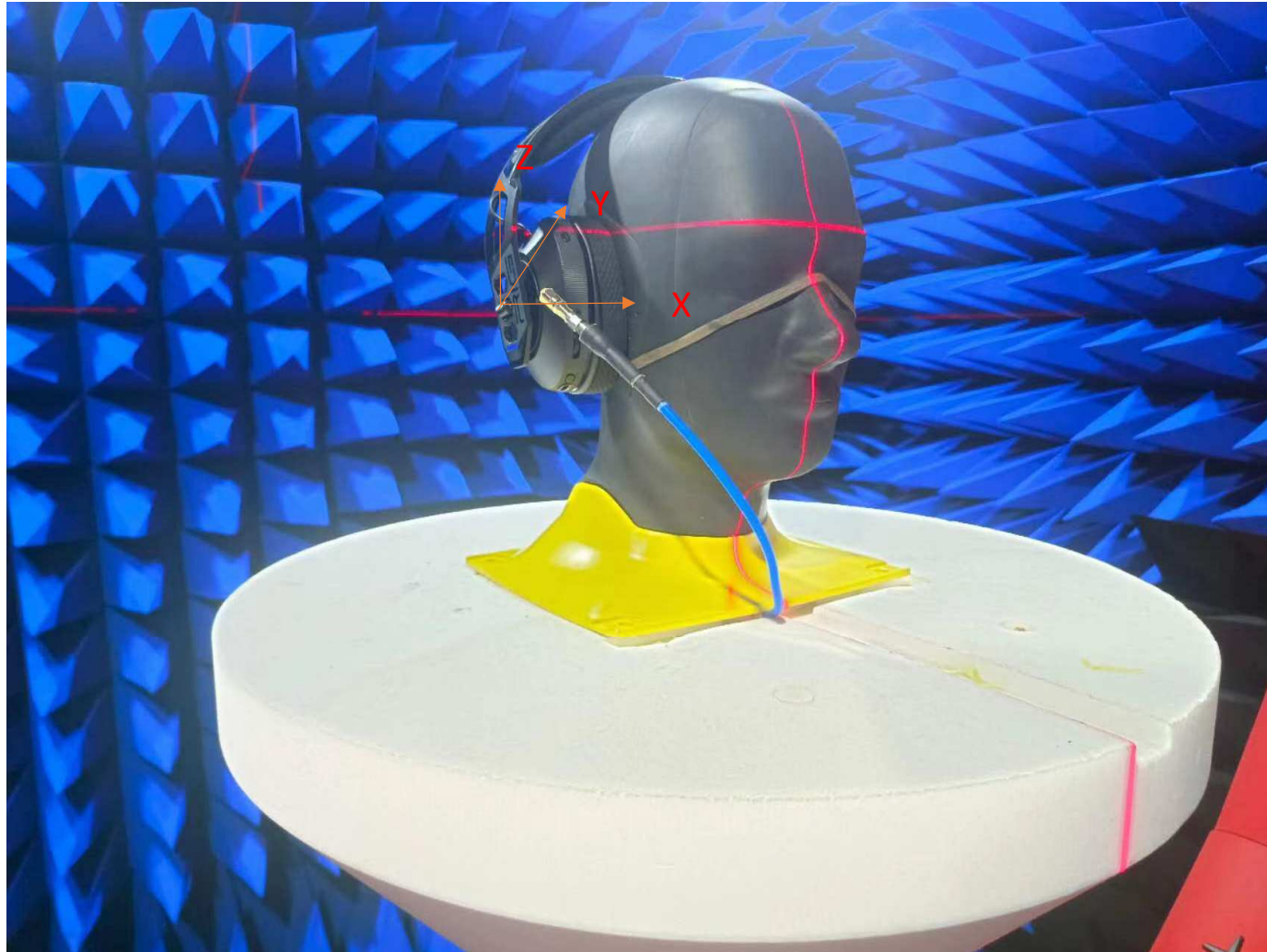


No	Equipment	Maker	MODEL
1	Anechoic Chamber	SUNYIELD	SY-24 (4*4*4) (Size)
2	Bluetooth Tester	R&S	CMW500

PCBA S11 test

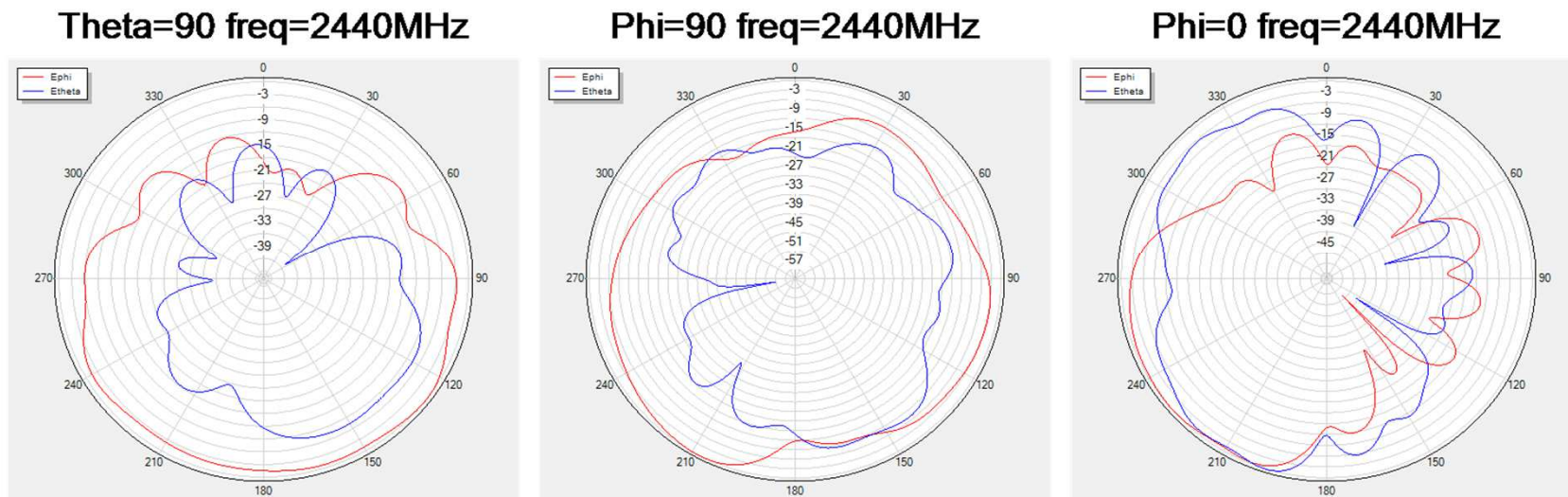


RX Headset passive antenna test



2. Measurement Report

RX Headset passive antenna test



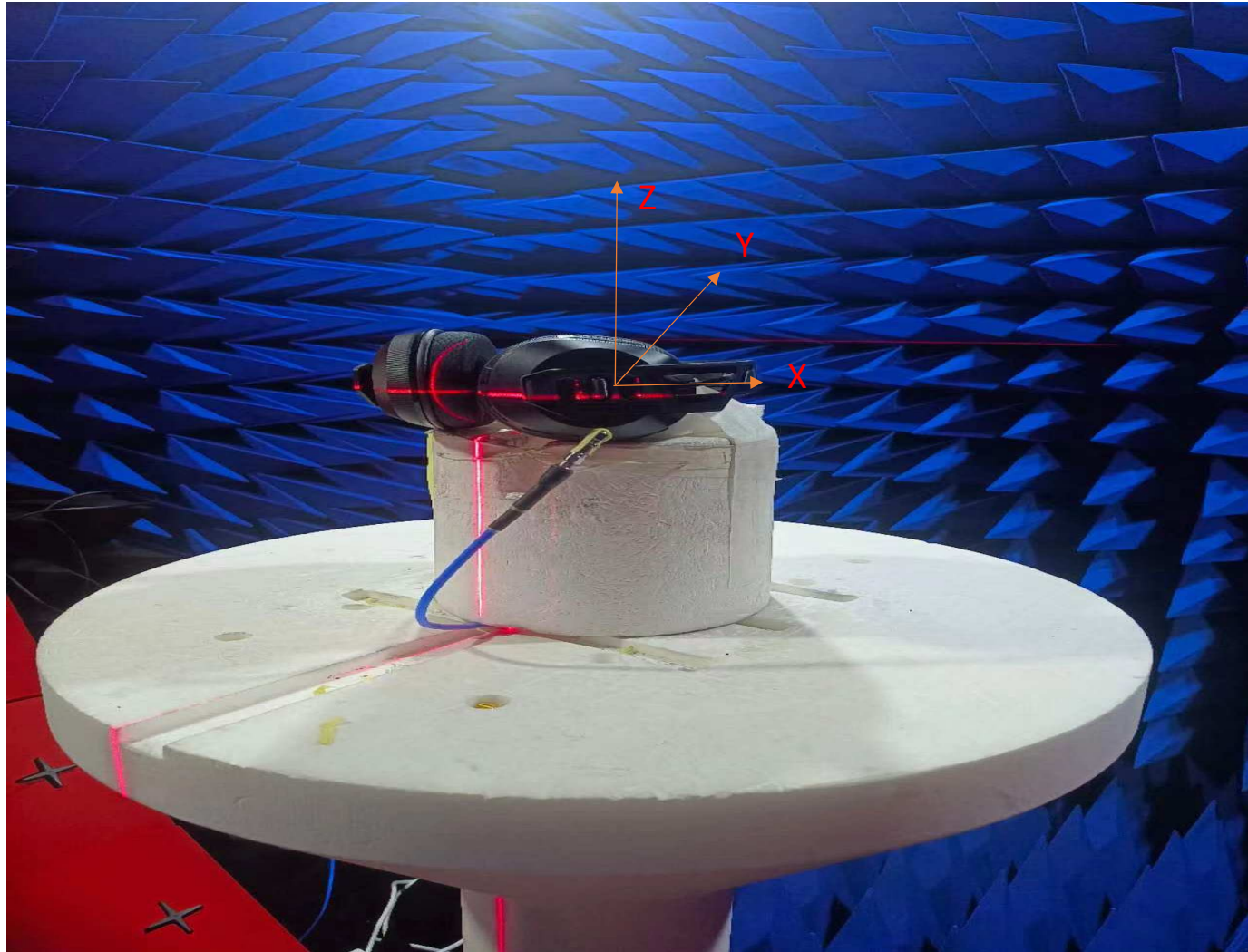
2. Measurement Report

RX Headset passive antenna test

frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(dB)	efficiency 效率(%)
2350	1.44	-4.85	32.74
2360	1.69	-4.67	34.14
2370	2.06	-4.46	35.78
2380	2.4	-4.25	37.55
2390	2.71	-4.09	38.97
2400	2.94	-3.97	40.12
2410	3.08	-3.88	40.93
2420	3.16	-3.84	41.33
2430	3.17	-3.83	41.43
2440	3.16	-3.81	41.59
2450	3.24	-3.72	42.51
2460	3.38	-3.57	43.94
2470	3.55	-3.39	45.78
2480	3.7	-3.23	47.55
2490	3.87	-3.07	49.34
2500	3.94	-2.99	50.22
2510	3.92	-3.03	49.83
2520	3.84	-3.17	48.21
2530	3.74	-3.37	45.98
2540	3.6	-3.63	43.31
2550	3.45	-3.95	40.29

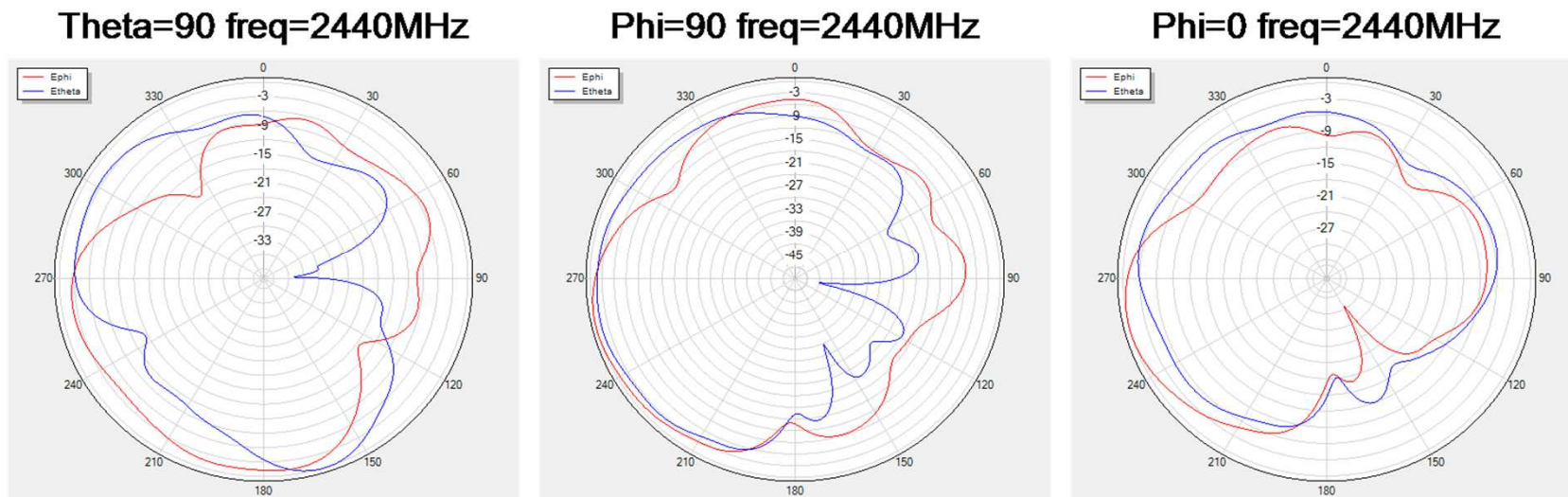
2. Measurement Report

RX Free Space passive antenna test



2. Measurement Report

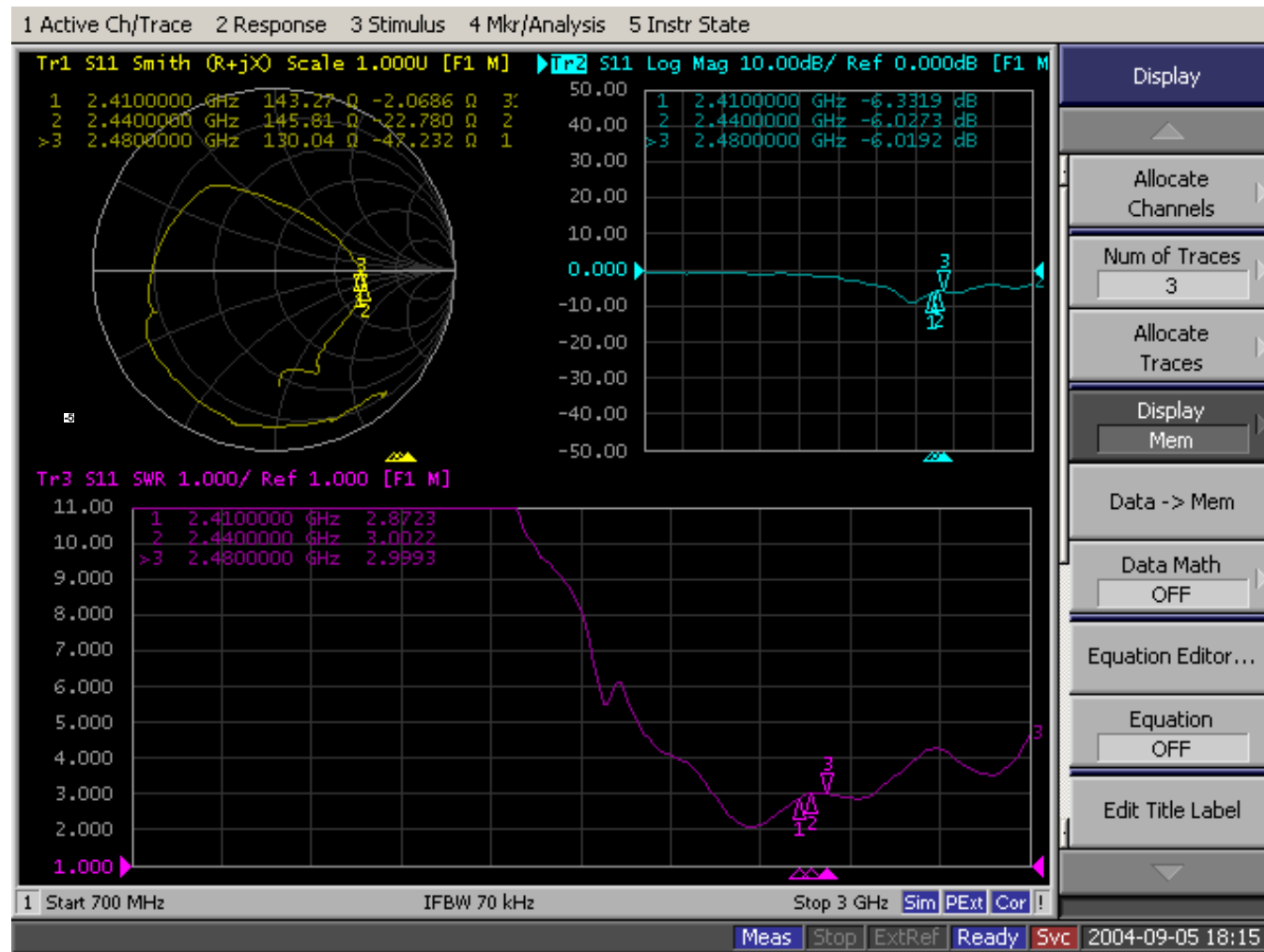
RX Free Space passive antenna test



RX Free Space passive antenna test

frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(dB)	efficiency 效率(%)
2350	1.09	-3.9	40.75
2360	1.32	-3.72	42.47
2370	1.54	-3.54	44.23
2380	1.76	-3.36	46.18
2390	1.94	-3.21	47.74
2400	2.1	-3.12	48.78
2410	2.27	-3.05	49.51
2420	2.43	-3.02	49.87
2430	2.6	-3.01	49.96
2440	2.81	-2.98	50.3
2450	3.07	-2.88	51.56
2460	3.37	-2.71	53.55
2470	3.62	-2.52	55.95
2480	3.79	-2.34	58.31
2490	3.9	-2.19	60.38
2500	3.92	-2.13	61.23
2510	3.78	-2.19	60.44
2520	3.57	-2.34	58.33
2530	3.34	-2.56	55.42
2540	3.03	-2.83	52.11
2550	2.79	-3.14	48.53

PCBA S11 test

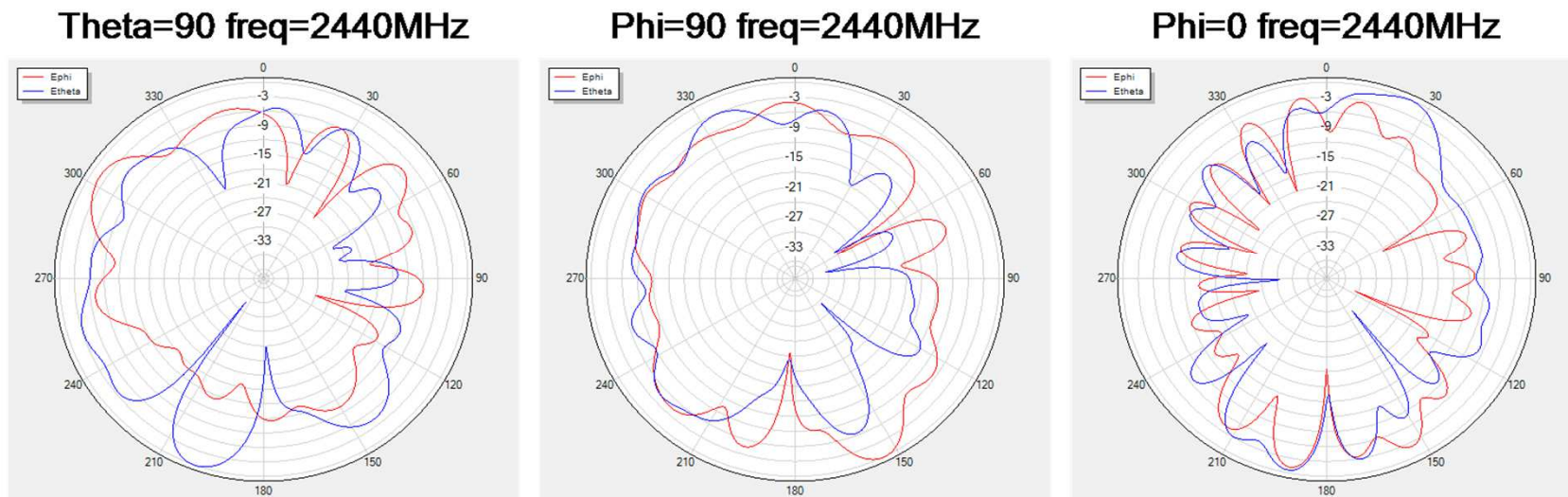


TX Dongle passive antenna test



2. Measurement Report

TX Dongle passive antenna test



TX Dongle passive antenna test

frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(dB)	efficiency 效率(%)
2350	2.8	-3.87	41.03
2360	2.59	-3.77	42
2370	2.5	-3.66	43.01
2380	2.42	-3.56	44.01
2390	2.41	-3.5	44.7
2400	2.49	-3.46	45.12
2410	2.6	-3.44	45.25
2420	2.7	-3.45	45.13
2430	2.82	-3.5	44.69
2440	2.9	-3.53	44.36
2450	2.98	-3.52	44.46
2460	3.03	-3.48	44.92
2470	3.14	-3.4	45.66
2480	3.24	-3.31	46.65
2490	3.35	-3.21	47.73
2500	3.45	-3.14	48.53
2510	3.51	-3.12	48.78
2520	3.51	-3.15	48.47
2530	3.49	-3.2	47.91
2540	3.44	-3.28	47.02
2550	3.35	-3.37	46.06

Thank you



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