

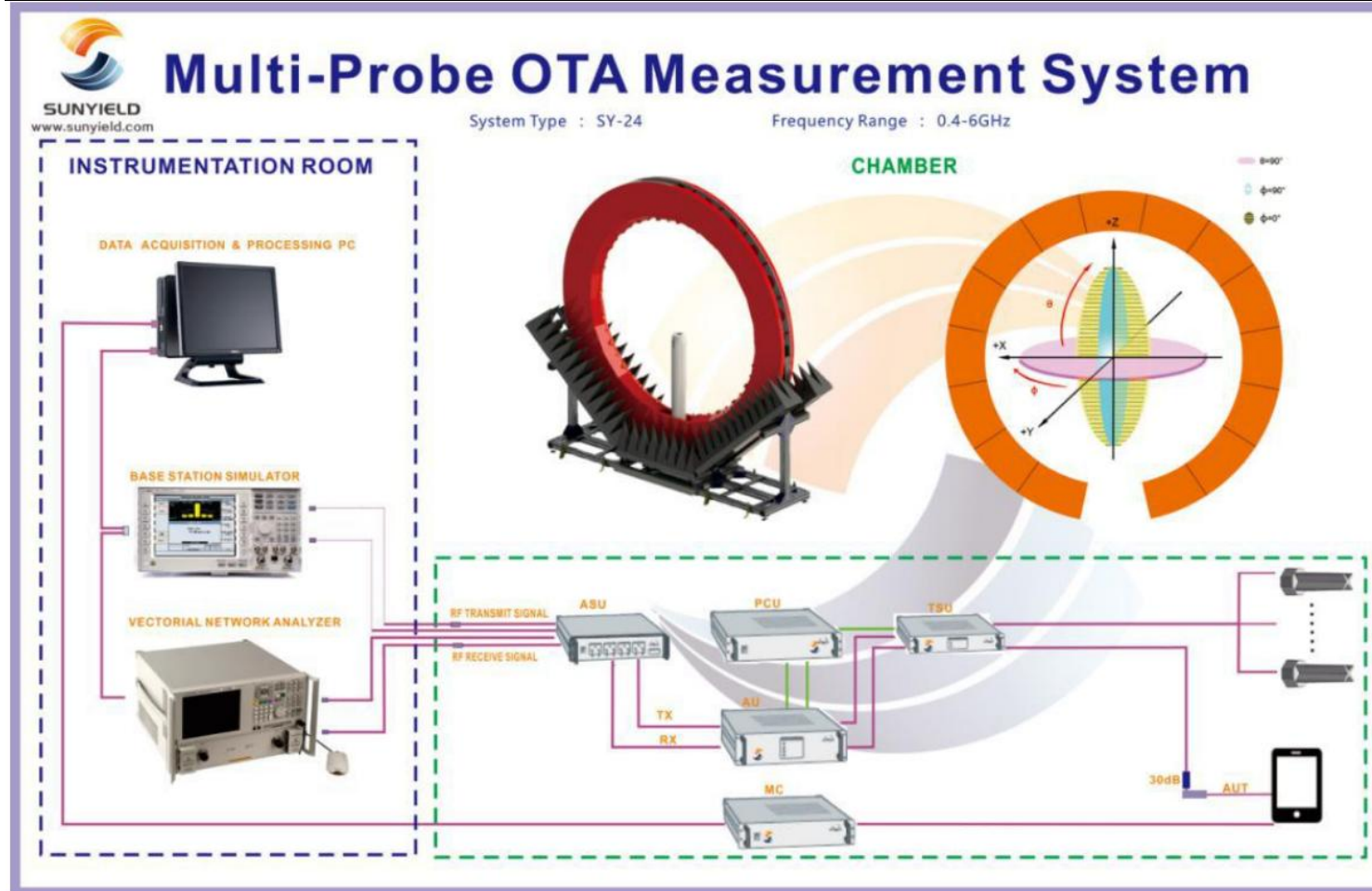
ATOM2 UAV Antenna Test Report

Manufacturer: Shenzhen Daze Wireless Technology Co., Ltd (深圳市大泽无线技术有限公司)

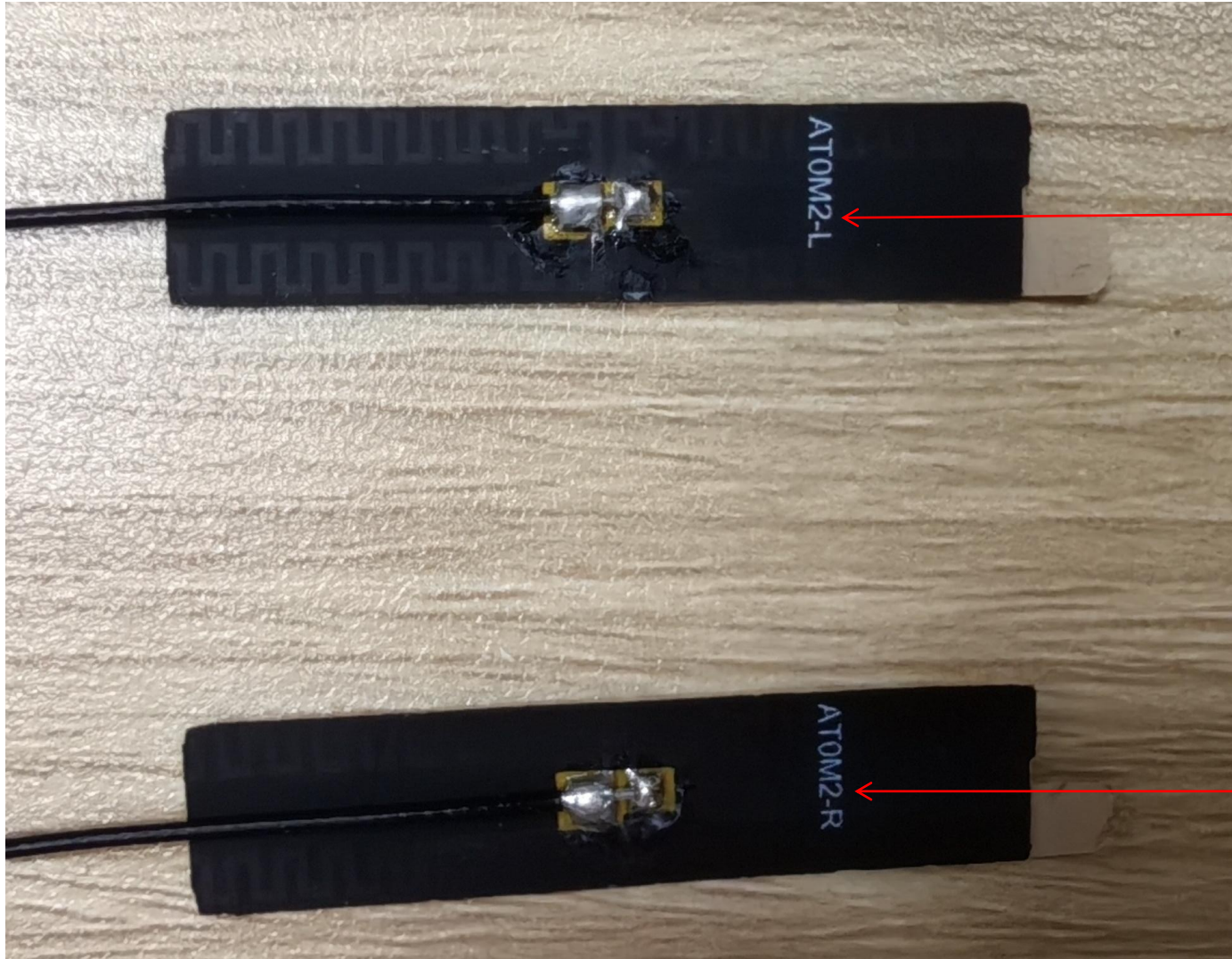
Add: Building 306, Phase II, Fenda Science Park, Baoyuan Community, Shiyan Street,
Bao'an District, Shenzhen (深圳市宝安区石岩街道宝源社区奋达科技园二期二号楼306)

测试环境 (Test Environment)

Test Equipment	Agilent E5071B 300 kHz - 8.5 GHz /ROHDE&SCHWARZ CMW500/ Anritsu MT8000A
Test System	SY-24M SISO/MIMO, 400 - 8500MHz



ATOM2 UAV Antenna



Ant Left

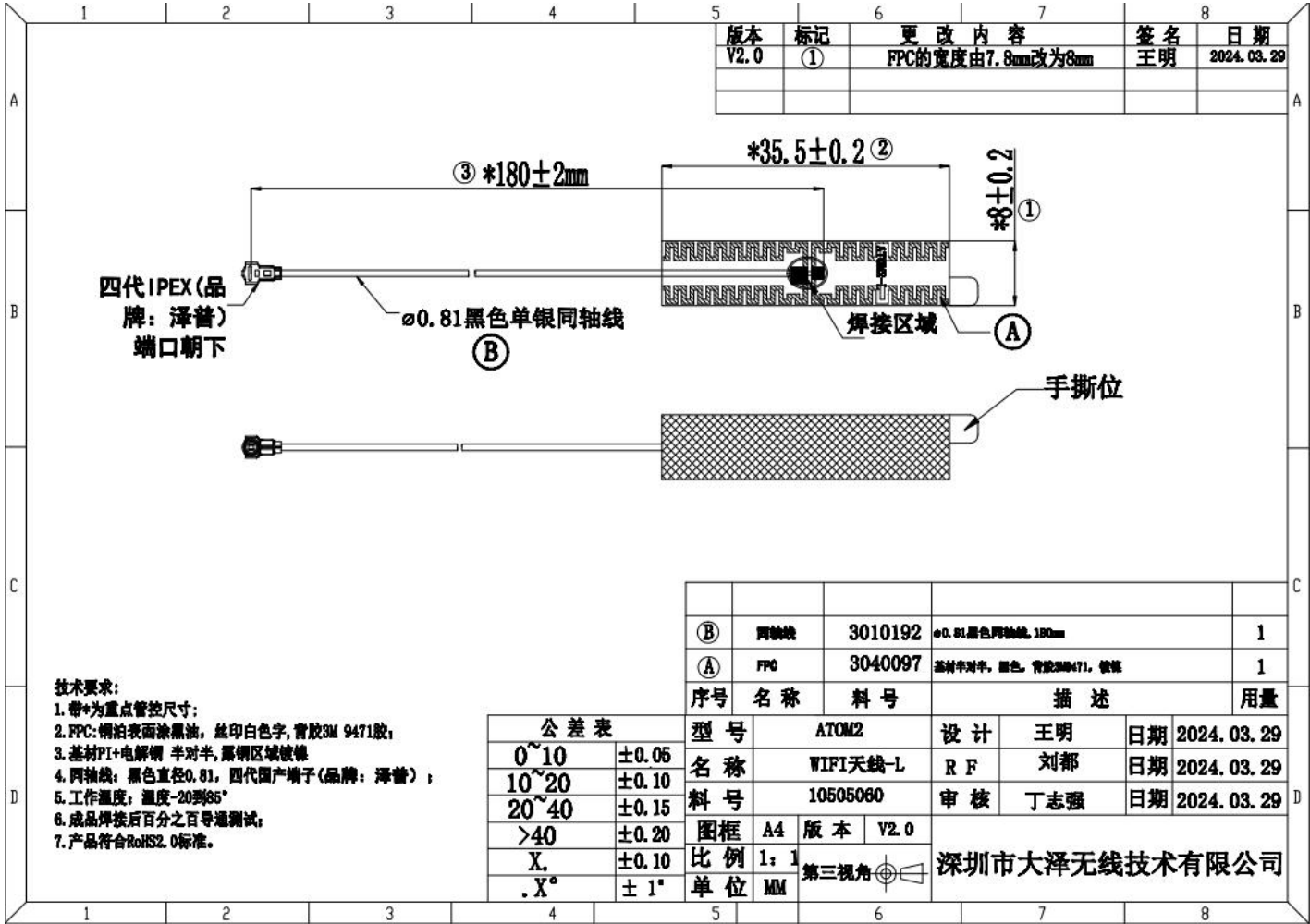
Ant Right

ANT type: Dipole Antenna

ANT(Left)

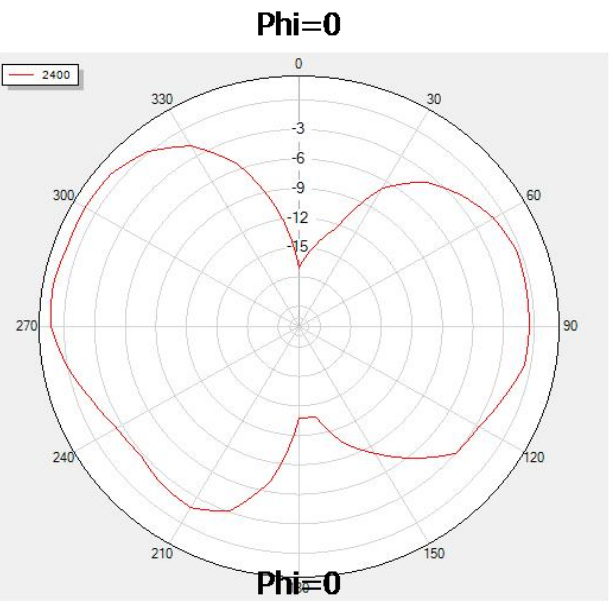
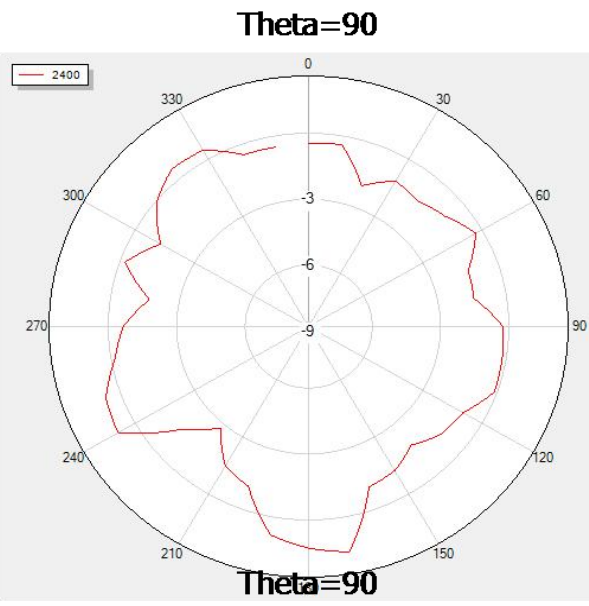
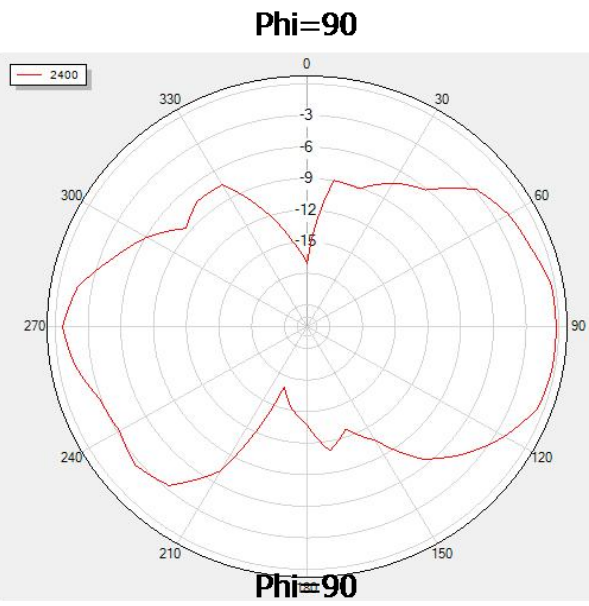
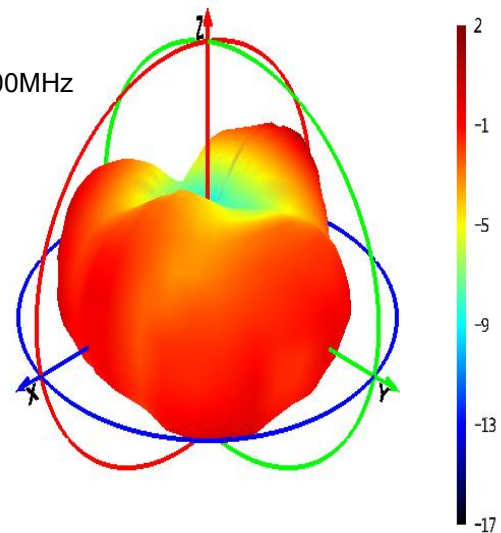
Gain&Efficiency 增益、效率			
frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(dB)	efficiency 效率(%)
2400.00	2.38	-1.89	64.65
2410.00	2.06	-1.95	63.85
2420.00	1.91	-1.86	65.10
2430.00	1.98	-1.81	65.95
2440.00	1.81	-1.90	64.62
2450.00	1.72	-1.93	64.18
2460.00	1.97	-1.68	67.89
2470.00	2.02	-1.61	68.96
2480.00	1.88	-1.79	66.23
2490.00	1.79	-1.93	64.19
2500.00	1.93	-1.81	65.88

Antenna drawings and dimensions

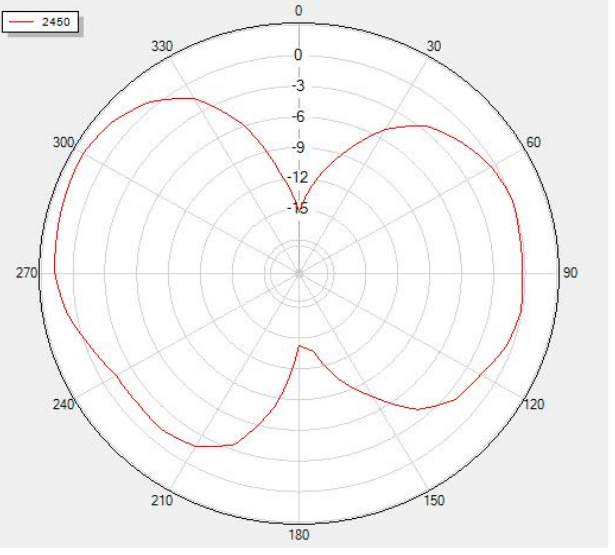
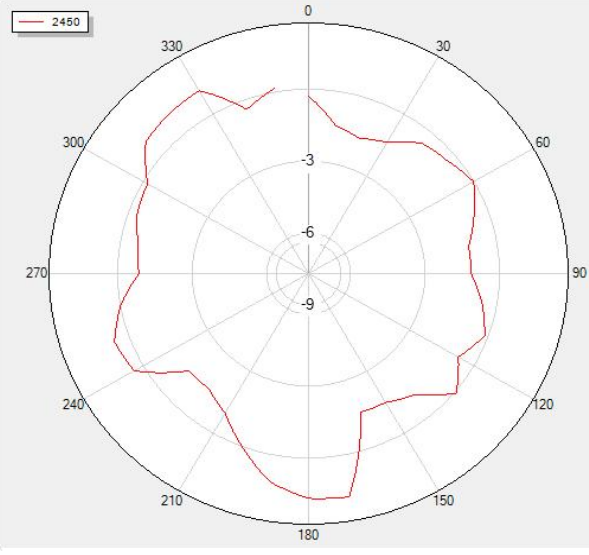
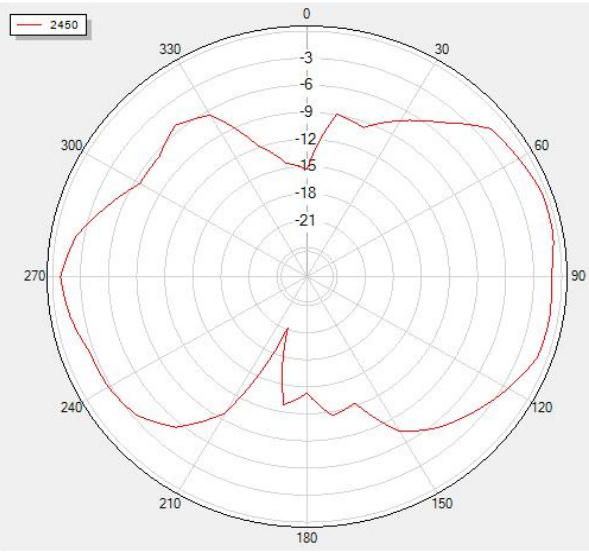
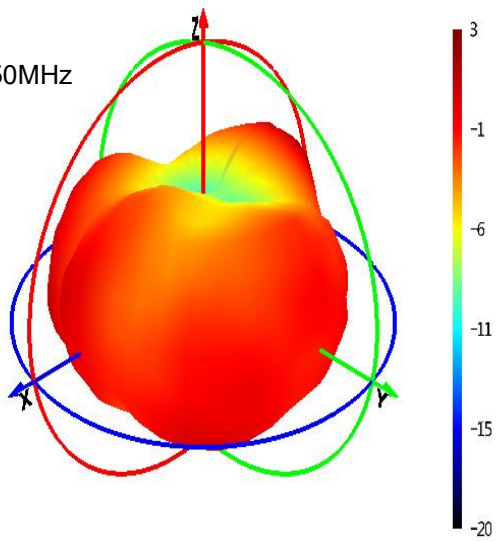


Antenna Radiation Pattern

2400MHz

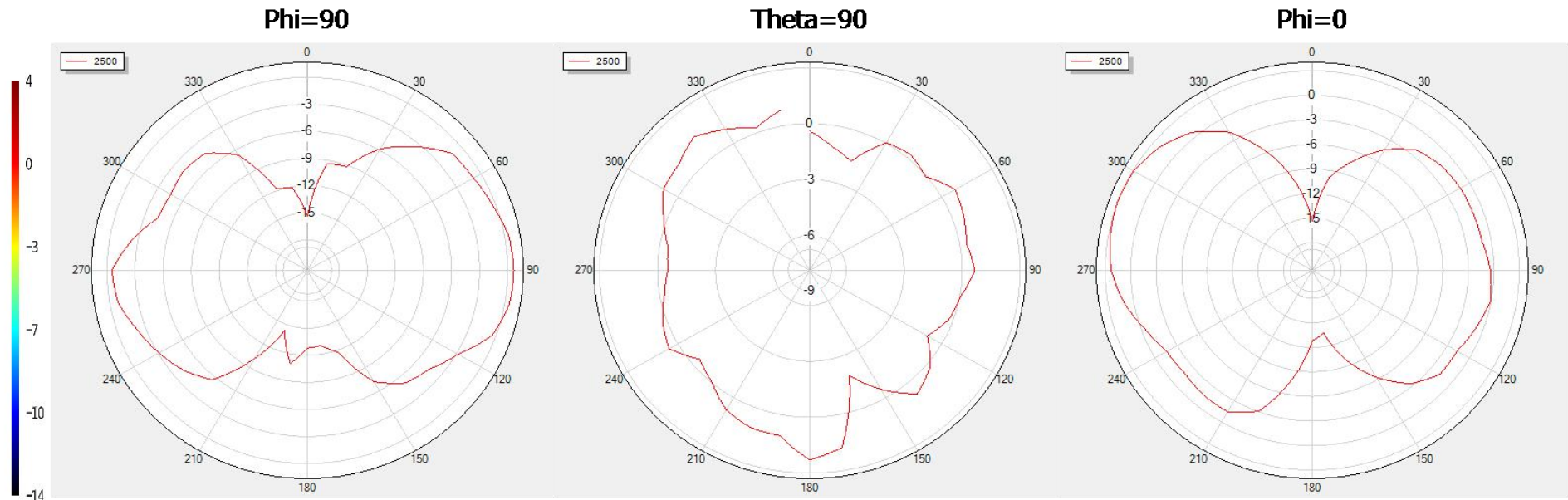
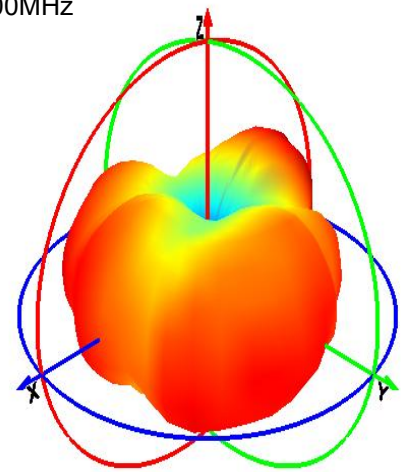


2450MHz



Antenna Radiation Pattern

2500MHz

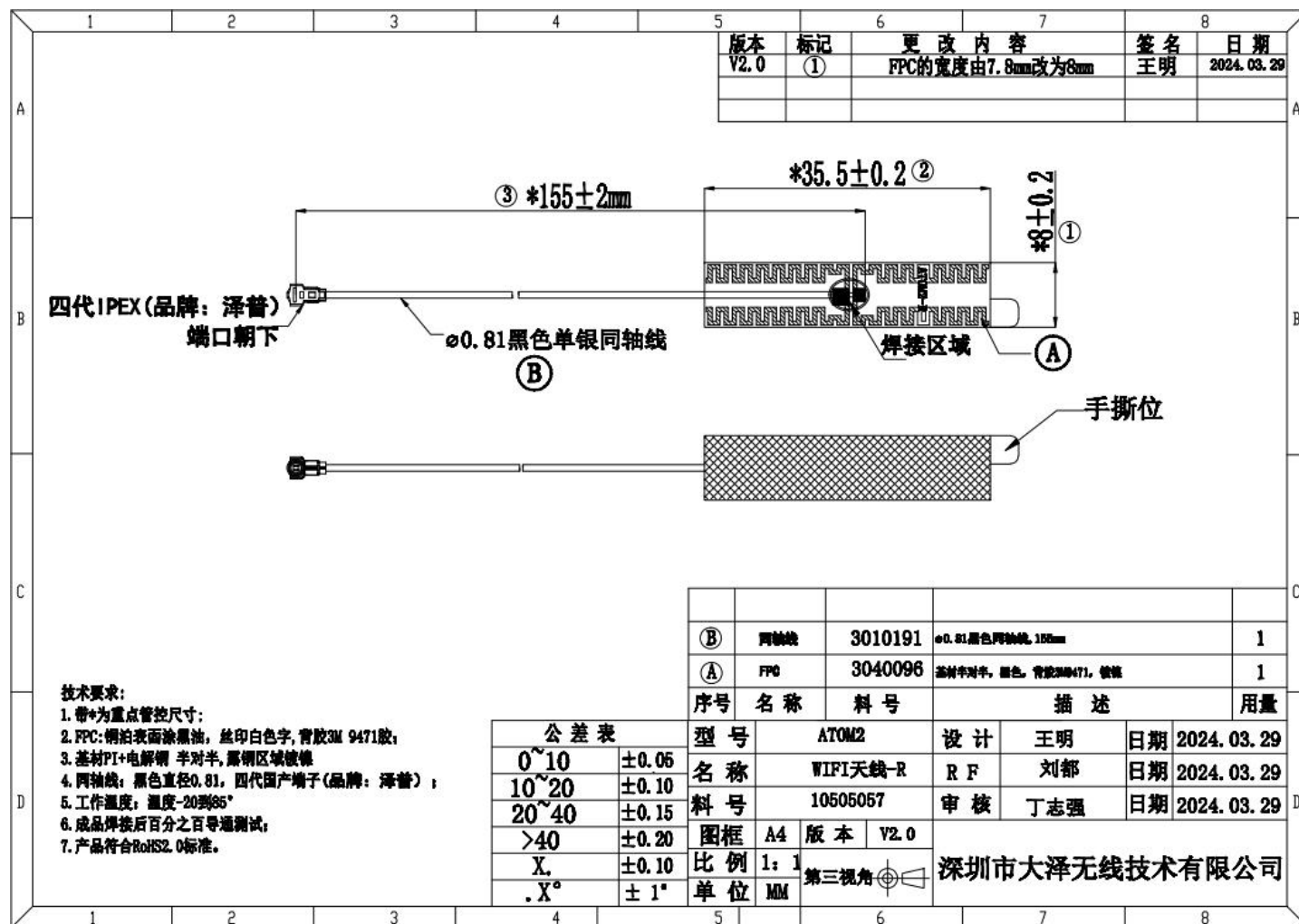


ANT type: Dipole Antenna

ANT(Right)

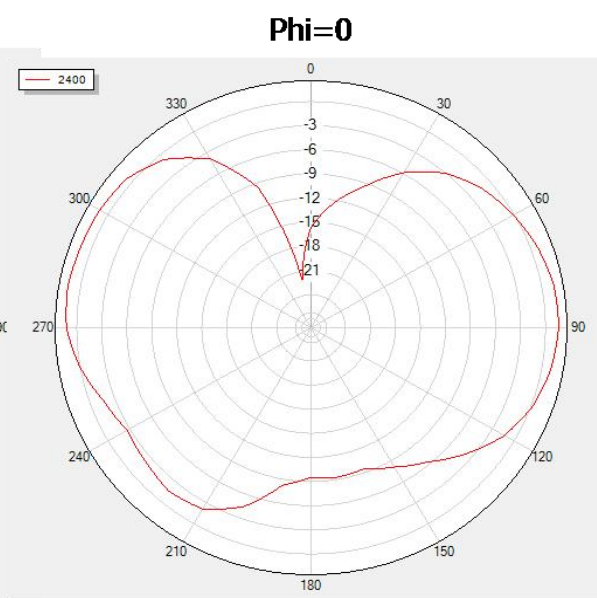
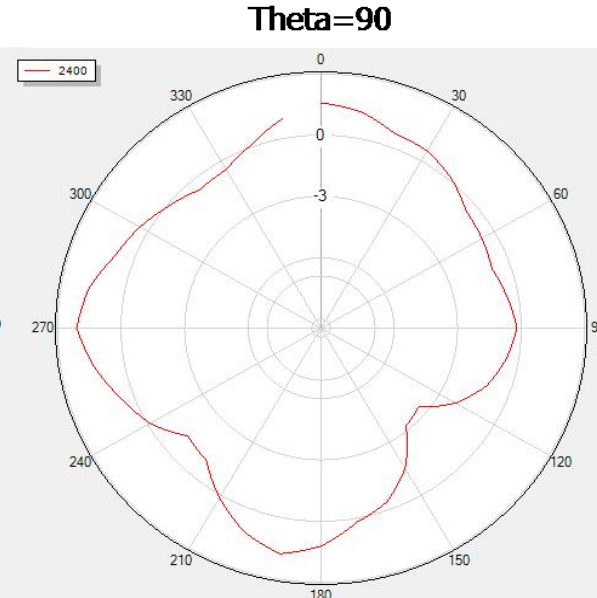
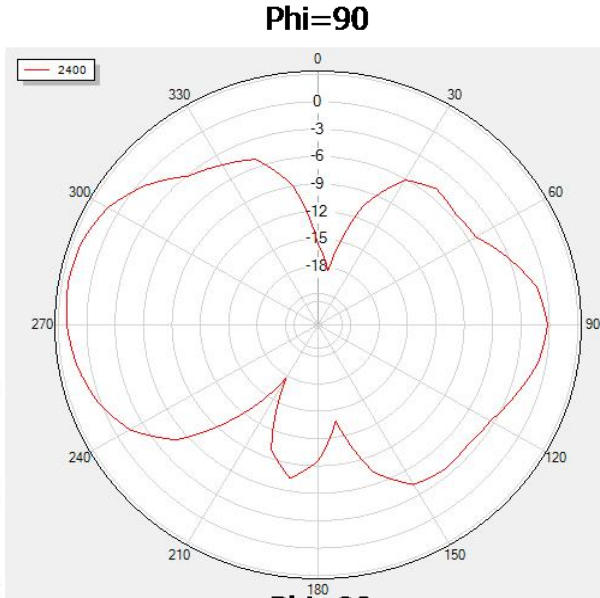
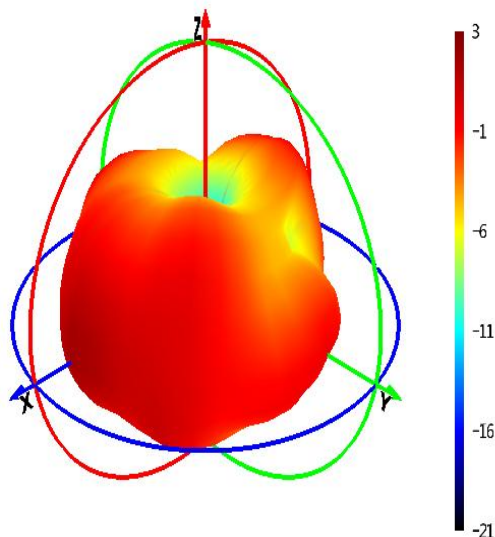
Gain&Efficiency 增益、效率			
frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(dB)	efficiency 效率(%)
2400.00	2.36	-1.60	69.21
2410.00	1.93	-1.69	67.77
2420.00	2.11	-1.56	69.75
2430.00	2.11	-1.67	68.06
2440.00	2.28	-1.69	67.70
2450.00	2.62	-1.58	69.53
2460.00	3.03	-1.30	74.08
2470.00	3.15	-1.17	76.32
2480.00	3.09	-1.37	73.02
2490.00	2.93	-1.47	71.26
2500.00	3.09	-1.34	73.43

Antenna drawings and dimensions

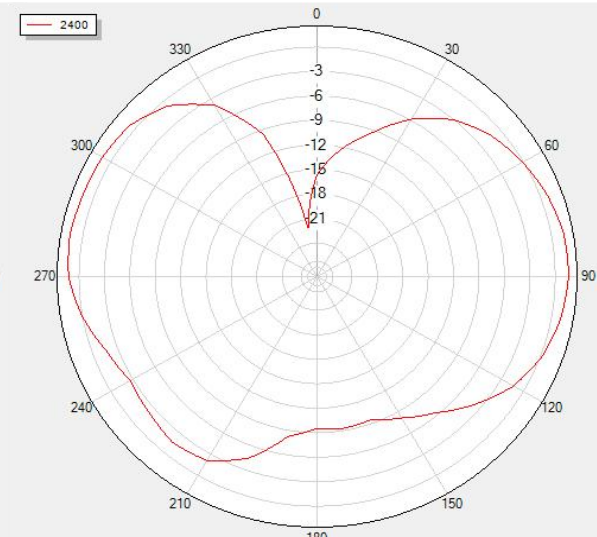
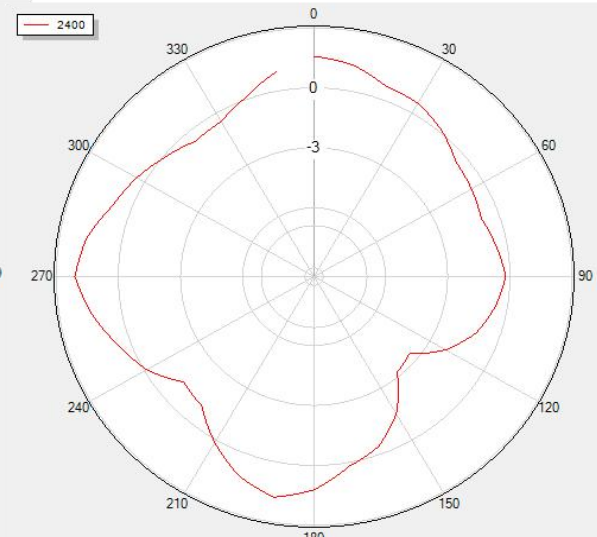
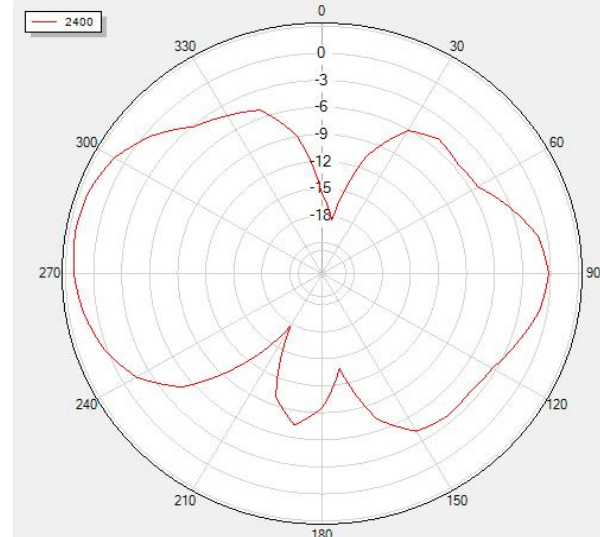
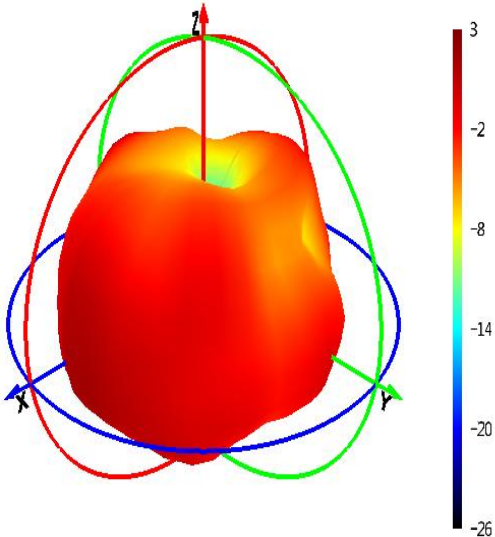


Antenna Radiation Pattern

2400MHz

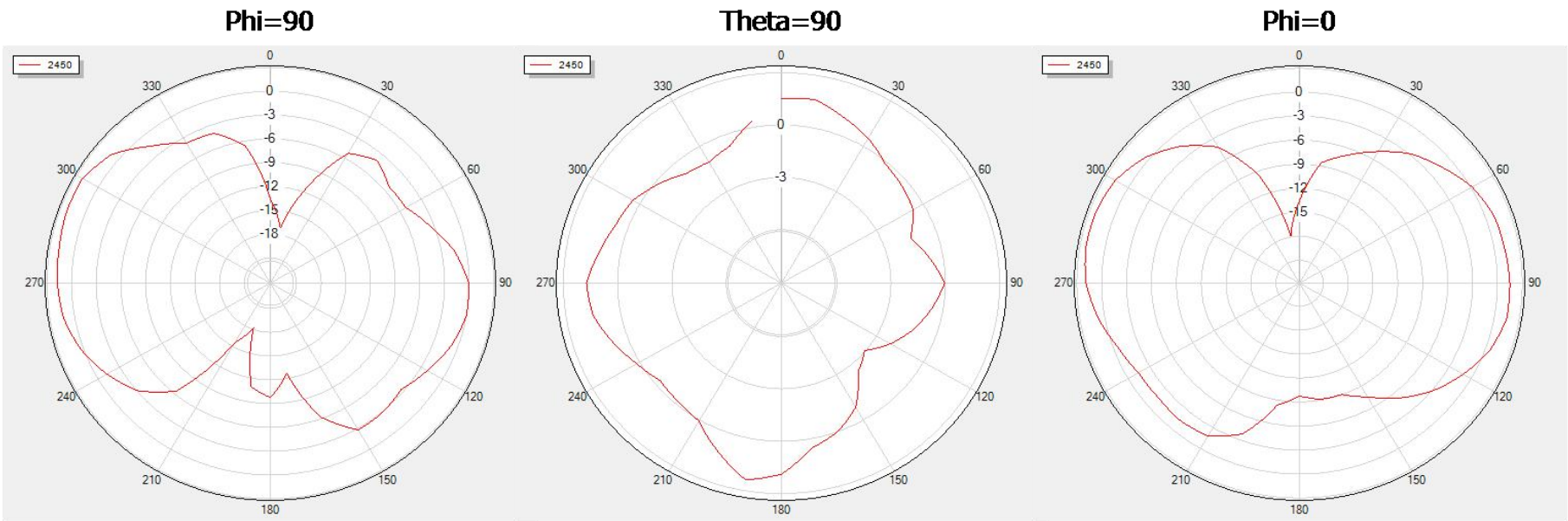
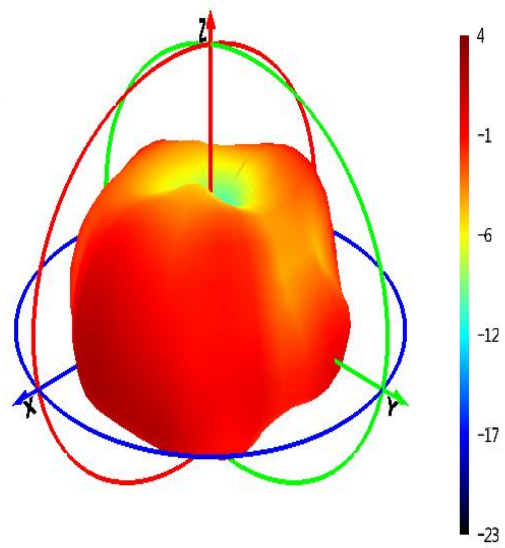


2450MHz



Antenna Radiation Pattern

2500MHz

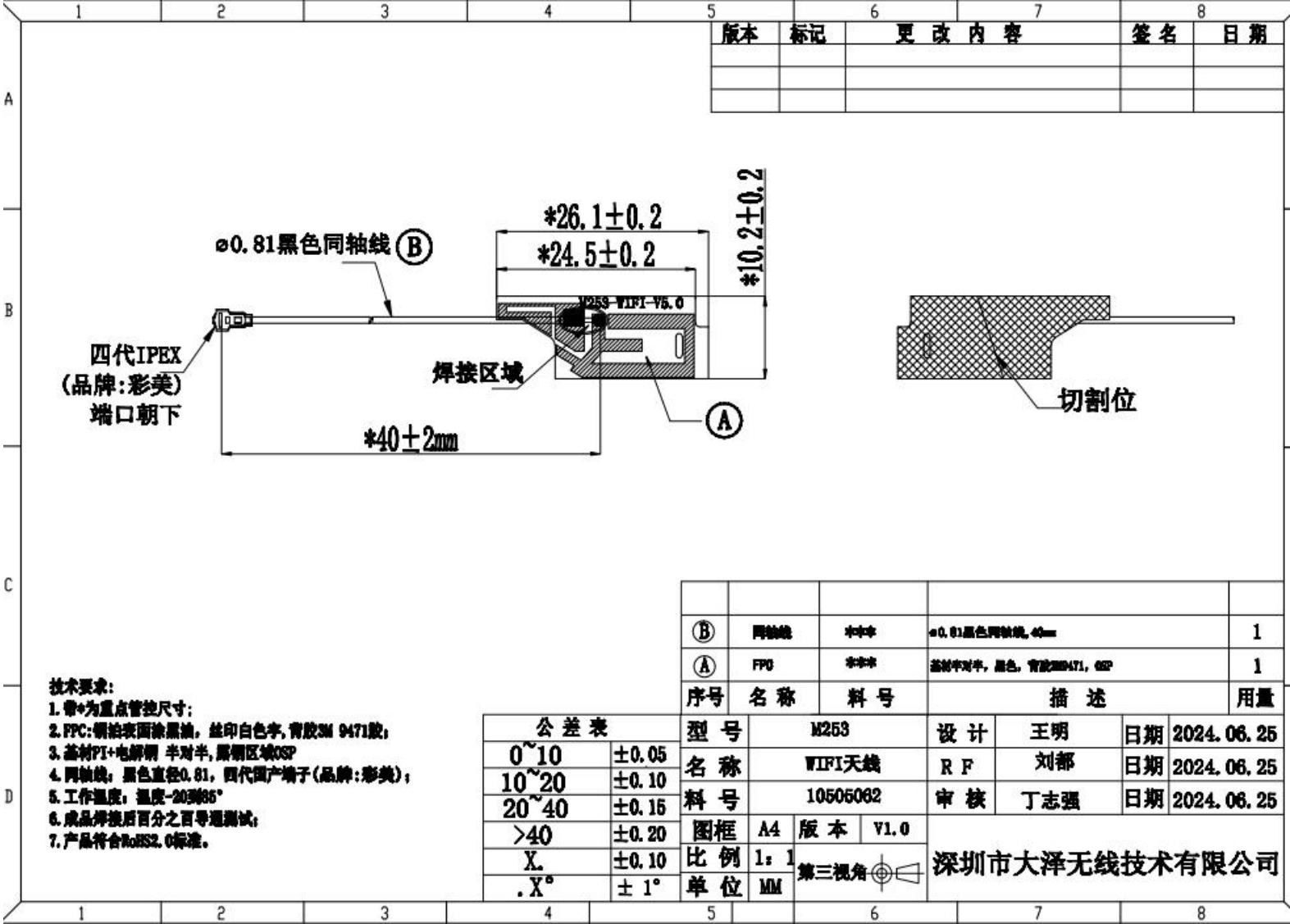


ANT type: PIFA Antenna

WiFi(2.4/5.8G)

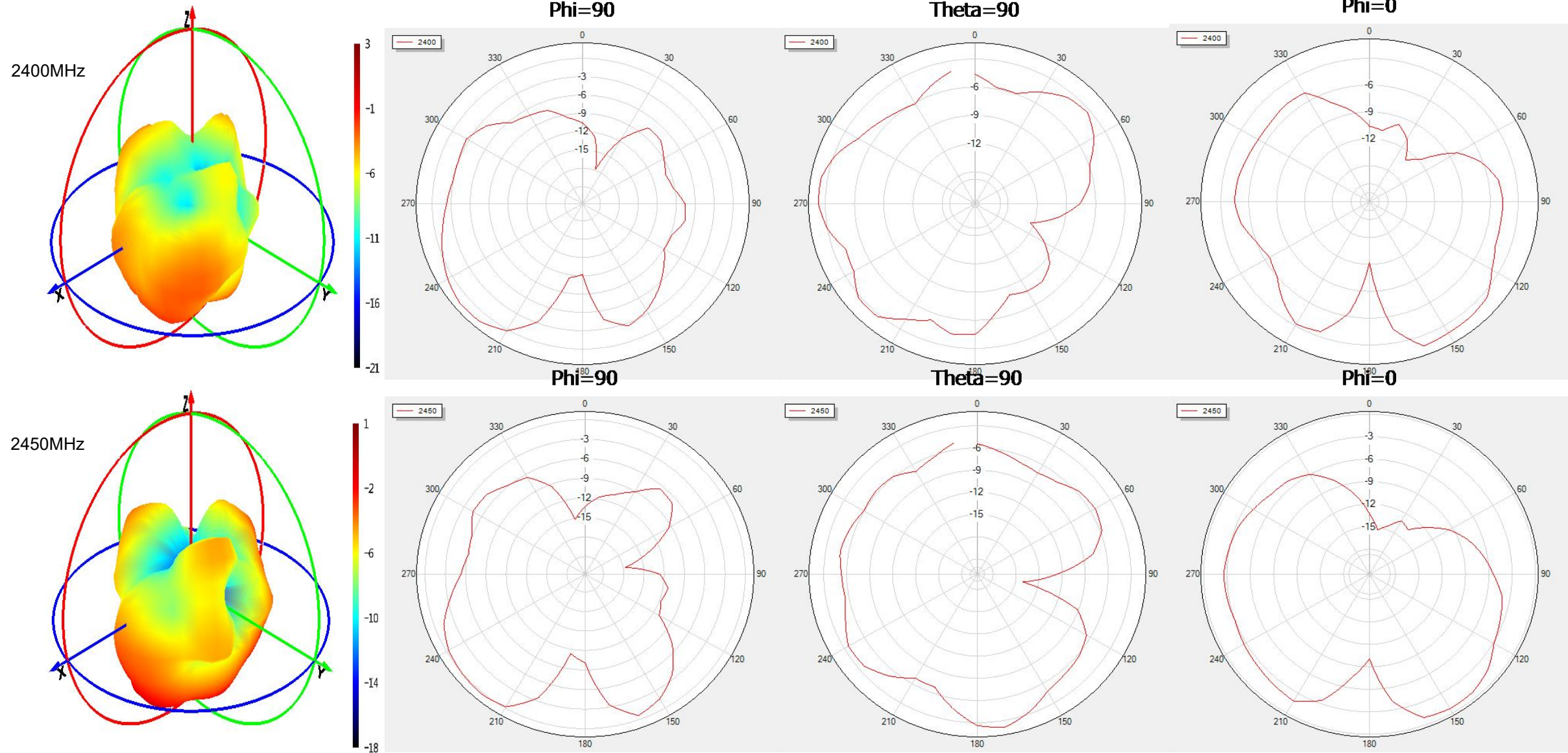
Gain&Efficiency 增益、效率			
frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(dB)	efficiency 效率(%)
2400.00	2.09	-4.77	33.35
2410.00	1.63	-4.76	33.43
2420.00	1.26	-4.91	32.29
2430.00	0.93	-4.95	32.01
2440.00	0.61	-4.85	32.76
2450.00	0.39	-4.89	32.45
2460.00	0.48	-4.65	34.24
2470.00	0.89	-4.54	35.16
2480.00	0.87	-4.74	33.61
2490.00	0.79	-4.84	32.80
2500.00	0.77	-4.70	33.88

Antenna drawings and dimensions



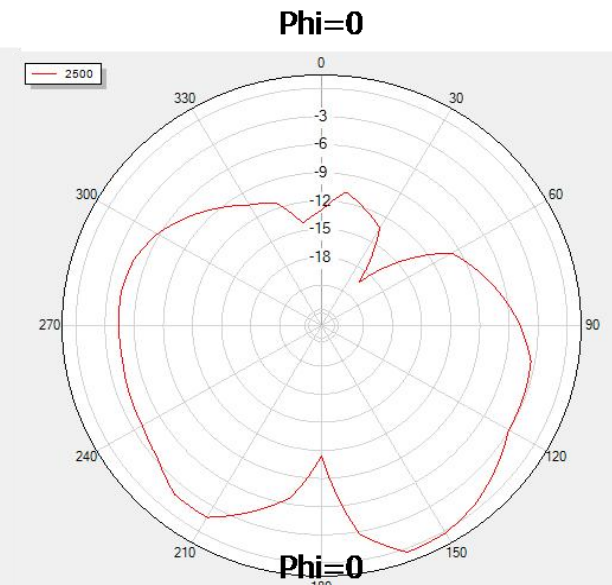
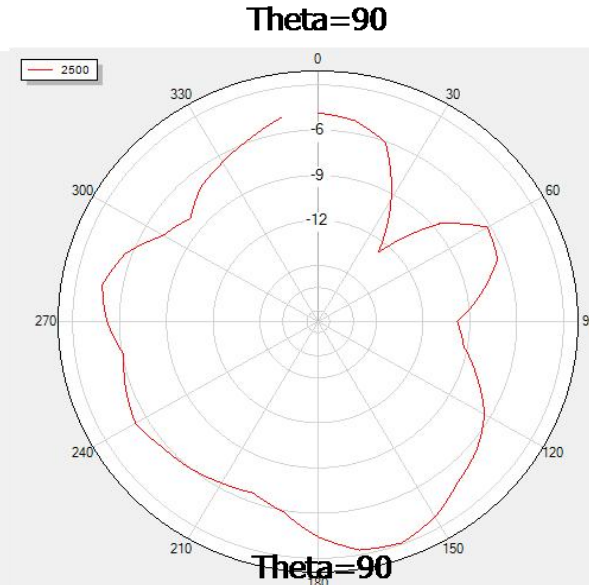
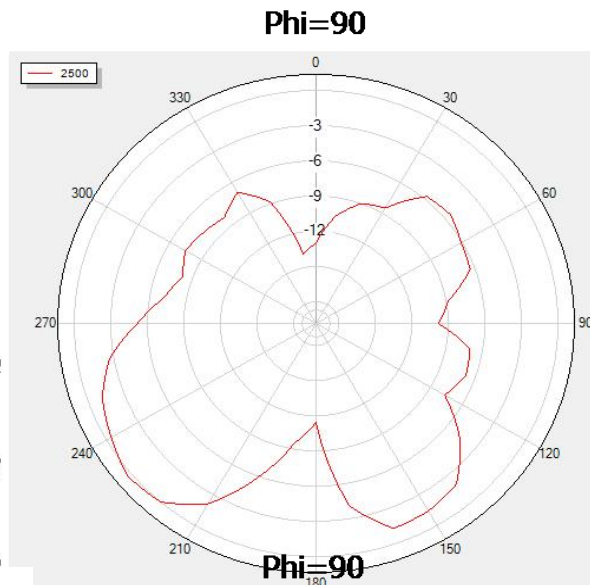
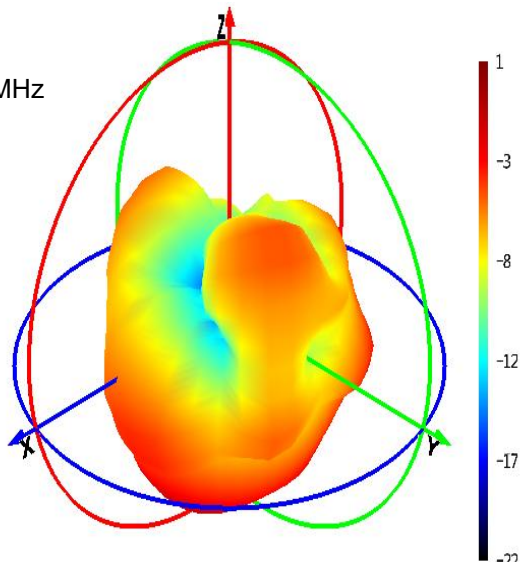
Gain&Efficiency 增益、效率							
frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(dB)	efficiency 效率(%)				
5000.00	2.11	-3.68	42.86	5520.00	1.80	-3.47	44.98
5020.00	2.32	-3.46	45.09	5540.00	2.37	-3.15	48.41
5040.00	2.94	-3.18	48.03	5560.00	2.03	-3.27	47.11
5060.00	2.50	-2.98	50.38	5580.00	1.00	-3.64	43.29
5080.00	2.47	-3.01	50.03	5600.00	1.64	-3.35	46.25
5100.00	2.11	-3.13	48.66	5620.00	1.22	-3.45	45.24
5120.00	2.63	-2.63	54.56	5640.00	0.80	-4.04	39.44
5140.00	2.92	-2.92	50.99	5660.00	1.10	-3.82	41.46
5160.00	3.02	-3.21	47.80	5680.00	0.99	-4.10	38.92
5180.00	2.61	-3.38	45.93	5700.00	1.11	-4.19	38.12
5200.00	2.44	-3.20	47.84	5720.00	0.73	-4.43	36.08
5220.00	2.90	-3.10	48.97	5740.00	0.87	-4.40	36.34
5240.00	2.08	-3.46	45.10	5760.00	1.03	-4.11	38.83
5260.00	1.85	-3.69	42.77	5780.00	1.39	-3.88	40.89
5280.00	1.56	-3.55	44.14	5800.00	1.31	-4.06	39.24
5300.00	1.34	-3.61	43.55	5820.00	1.70	-3.88	40.95
5320.00	1.26	-3.75	42.20	5840.00	2.19	-3.57	43.99
5340.00	1.37	-4.12	38.69	5860.00	2.32	-3.49	44.76
5360.00	1.58	-3.98	40.02	5880.00	1.81	-3.72	42.43
5380.00	1.89	-3.68	42.89	5900.00	1.75	-3.56	44.10
5400.00	1.80	-4.13	38.65	5920.00	1.52	-3.42	45.54
5420.00	1.07	-4.00	39.83	5940.00	1.21	-3.58	43.84
5440.00	0.83	-3.82	41.48	5960.00	1.21	-3.57	44.00
5460.00	1.34	-3.74	42.26	5980.00	1.17	-3.82	41.50
5480.00	0.32	-4.03	39.55	6000.00	1.65	-3.70	42.66
5500.00	1.05	-3.77	41.96				

Antenna Radiation Pattern

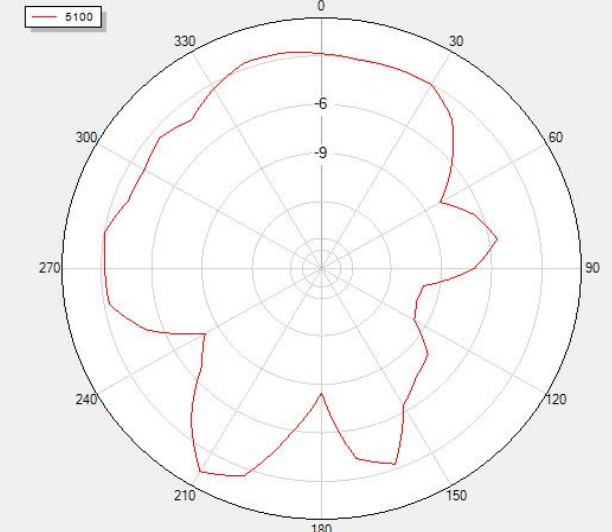
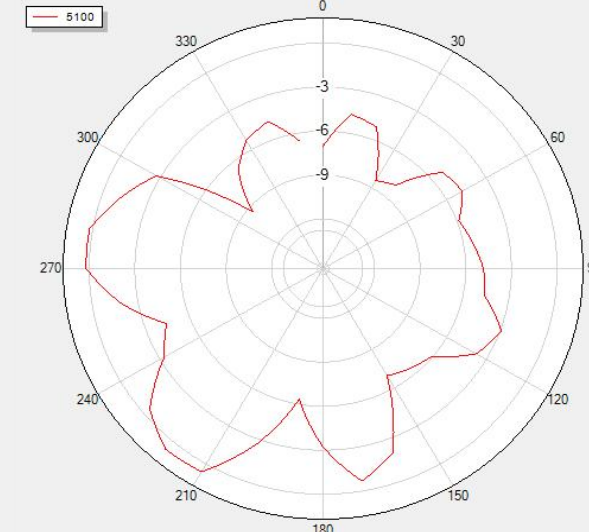
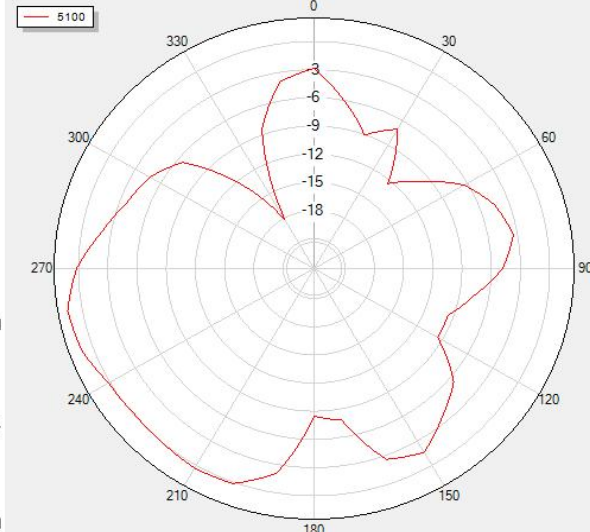
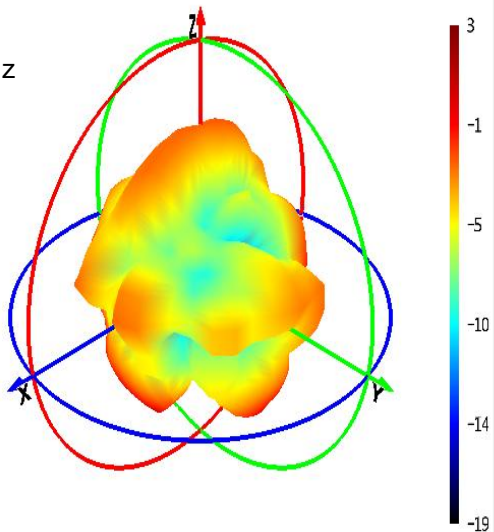


Antenna Radiation Pattern

2500MHz

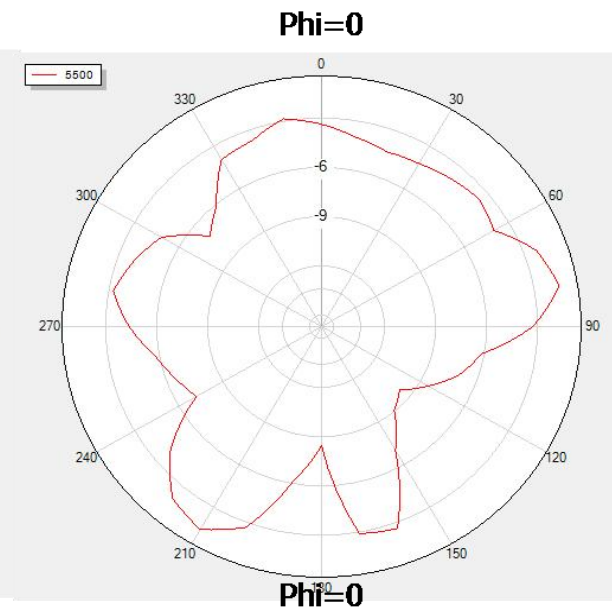
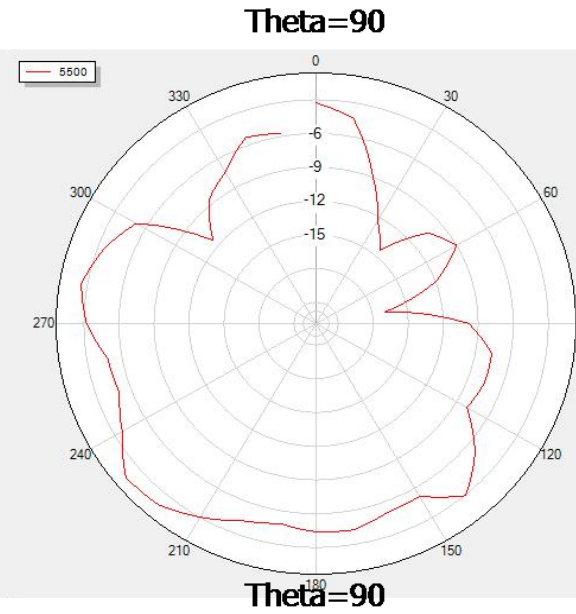
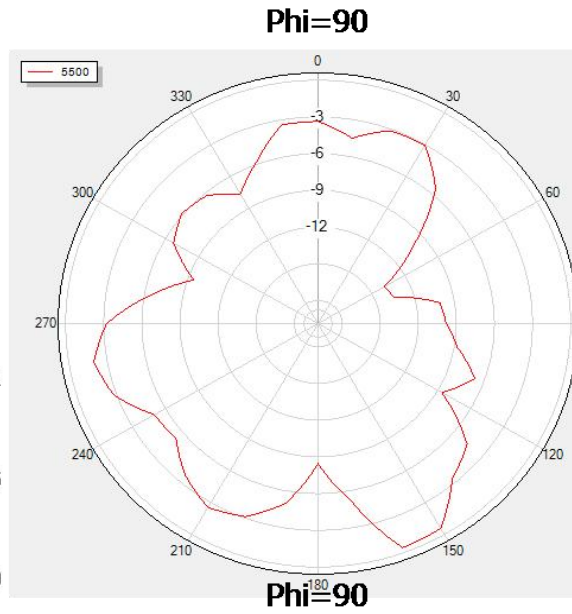
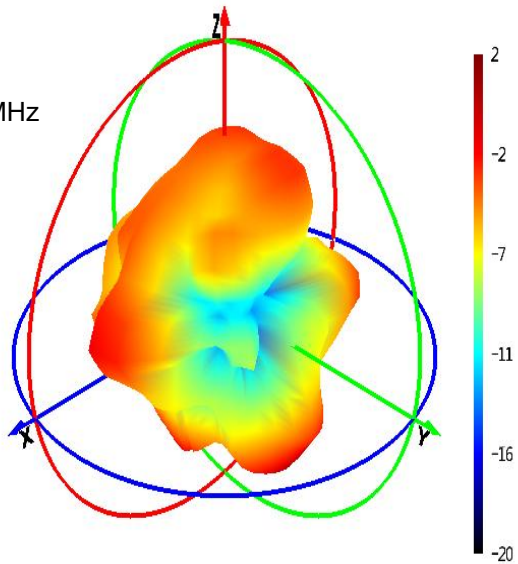


5100MHz



Antenna Radiation Pattern

5500MHz



5800MHz

