

Manufacturer	NingBo Deye Inverter Technology Co., Ltd.

Customer	IGEN Wi-Fi	Customer Number	
Antenna Band	2.4Wi-Fi /OTA	Fast Flying Number	11
Date	2026/04/10	Author	Wang Jianglong

1. Test Environment



2.Test Setup Photos

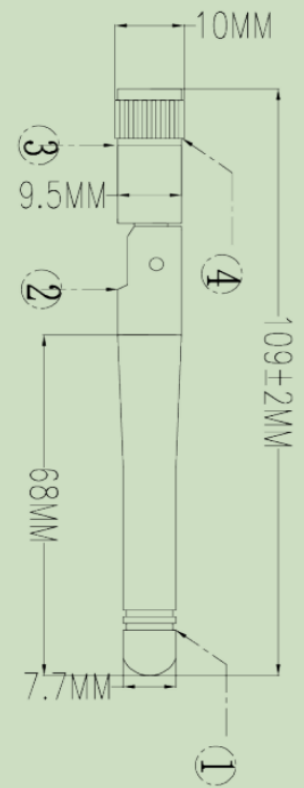


3. Antenna Assembly Drawings

Picture of Real Product



Product Size



OTA Test

Mode / Data Rate	Channel	TRP	Mode / Data Rate	Channel	TIS
11B MCS11	1	19.49	11B MCS11	1	-86.39
	6	19.05		6	-86.55
	11	18.62		11	-86.63
11G 54M	1	15.77	11G 54M	1	-71.28
	6	16.03		6	-71.344
	11	16.47		11	-72.53
11N MCS7	1	12.93	11N MCS7	1	-70.39
	6	13.4		6	-70.28
	11	13.89		11	-71.48
11N MCS0	1	16.77	11N MCS0	1	-89.71
	6	16.52		6	-89.13
	11	16.58		11	-89.56

Passive Test of Antenna

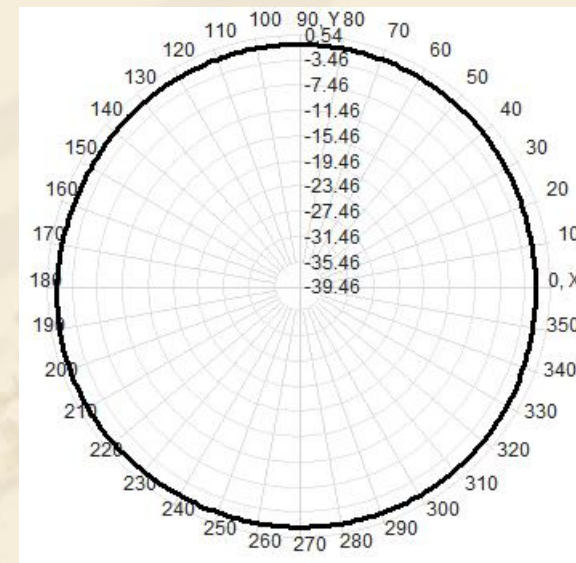
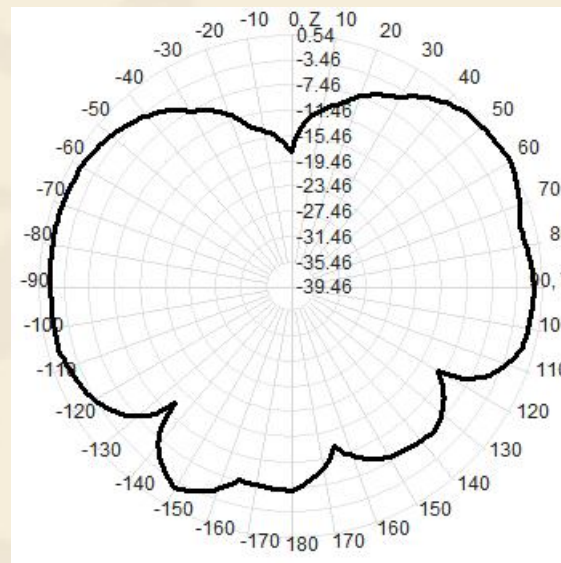
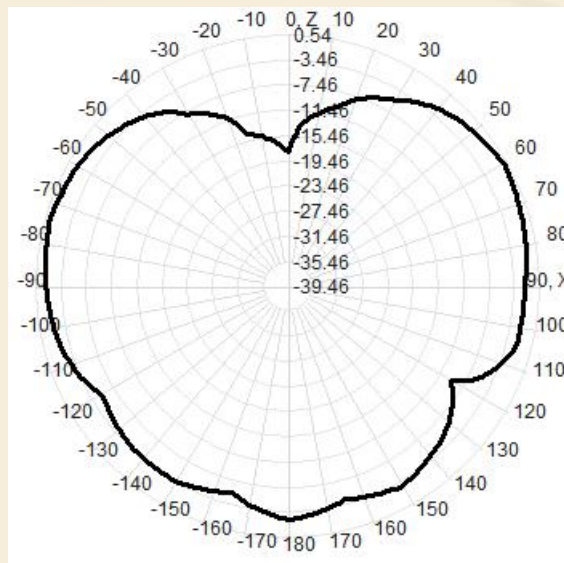
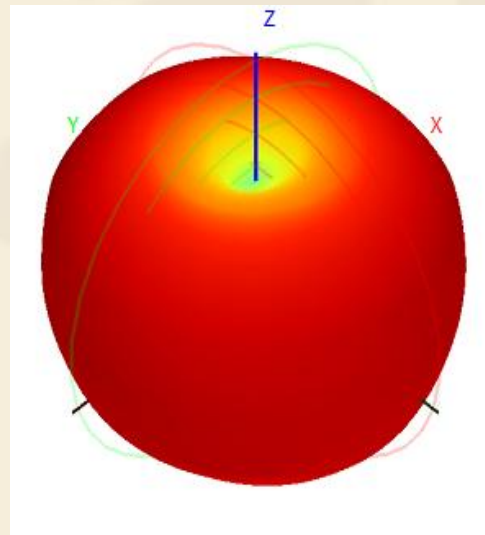
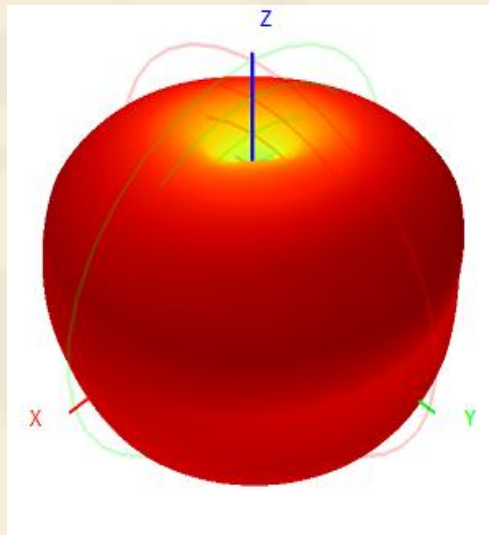
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	1.68	1.89	1.73	1.79	2.08	2.48	2.59	2.14	2.12	2.24	1.99
Efficiency (%)	53.67	67.71	63.92	67.36	73.05	77.50	80.13	76.94	81.15	69.02	82.17

Passive Test of Feeder Cable and Antenna

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	0.66	1.85	1.38	1.83	1.17	2.11	2.15	2.44	2.52	1.37	1.71
Efficiency (%)	52.31	66.42	56.68	63.67	58.21	68.25	65.67	68.79	71.95	60.79	72.63

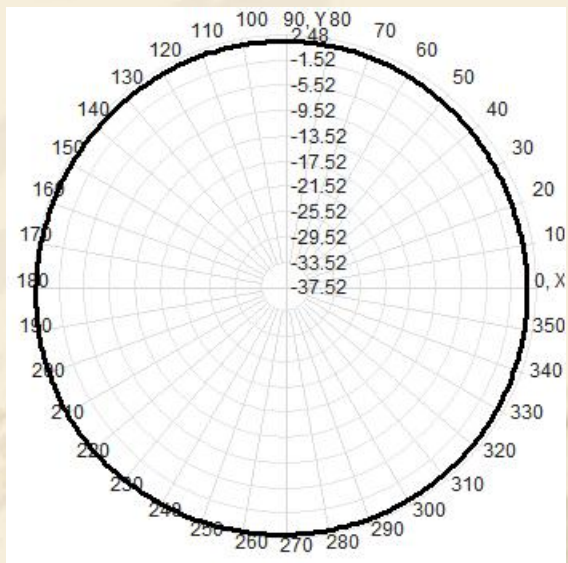
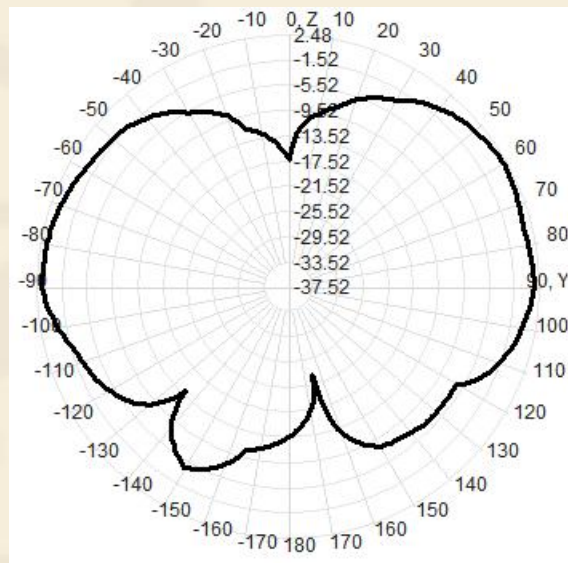
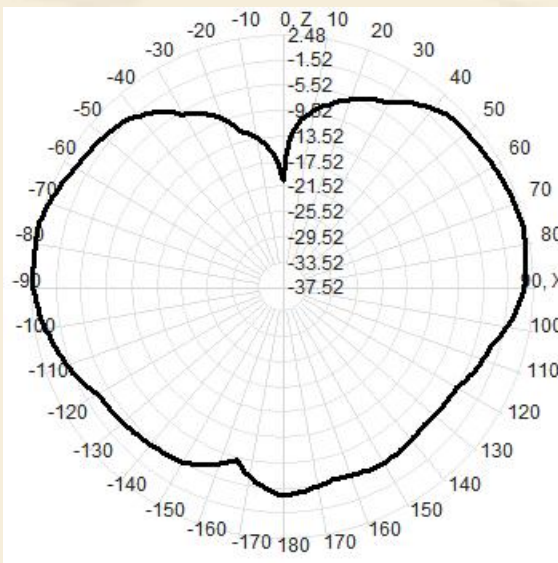
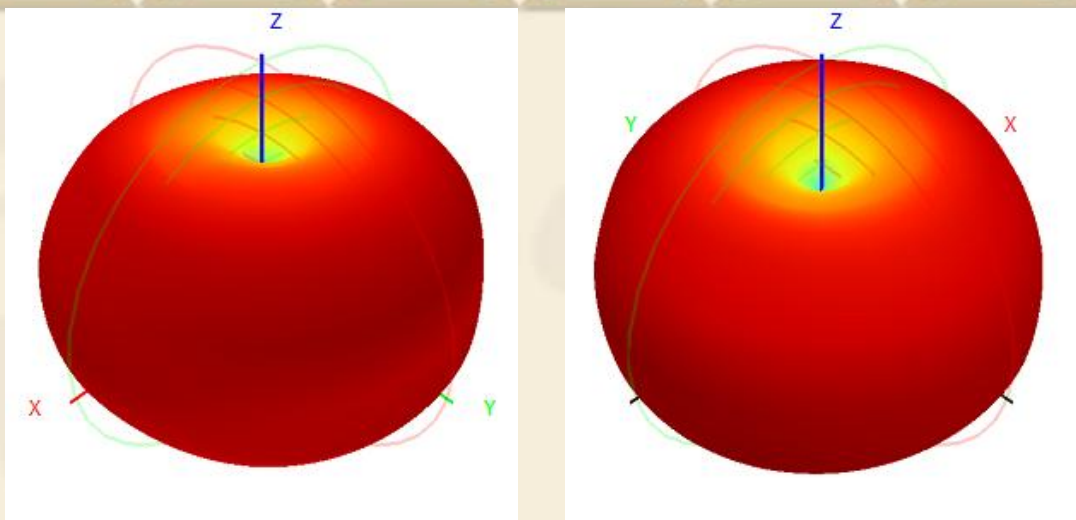
Radiation Pattern of Antenna Passive Test

2400mhz



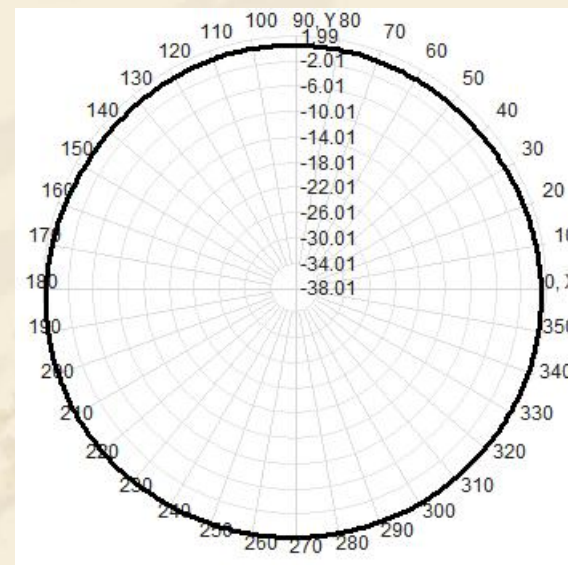
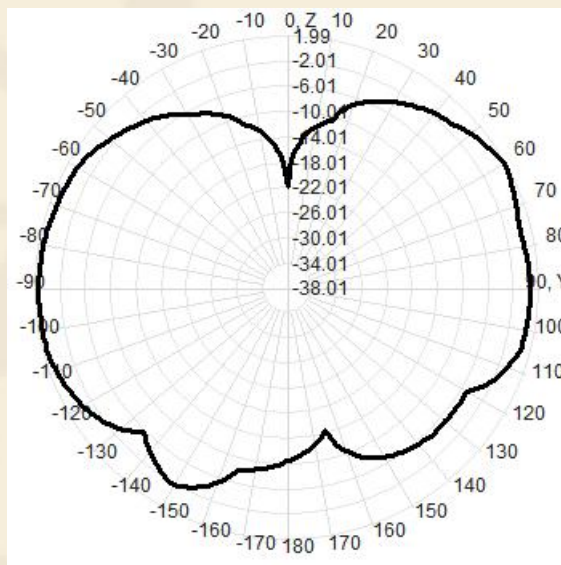
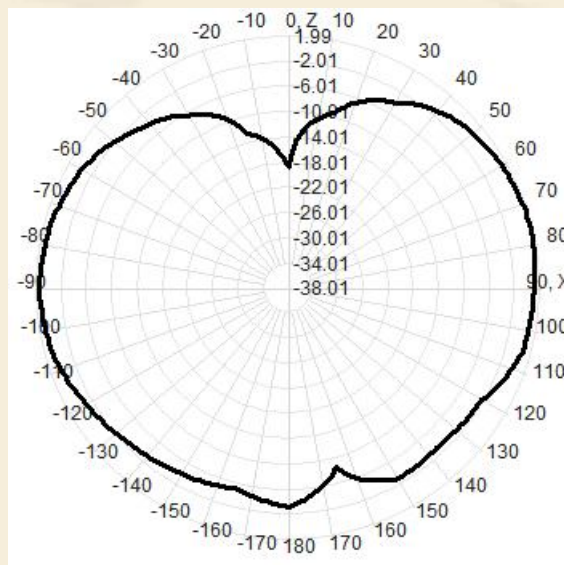
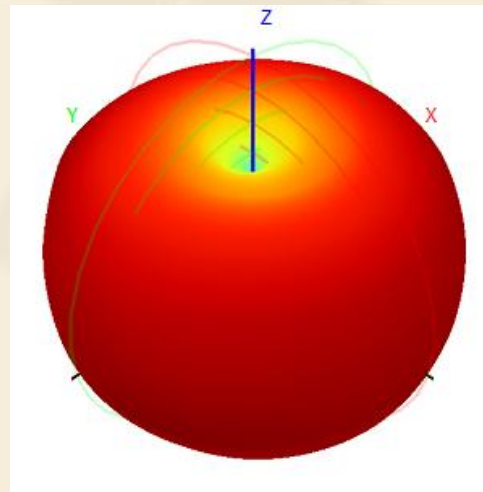
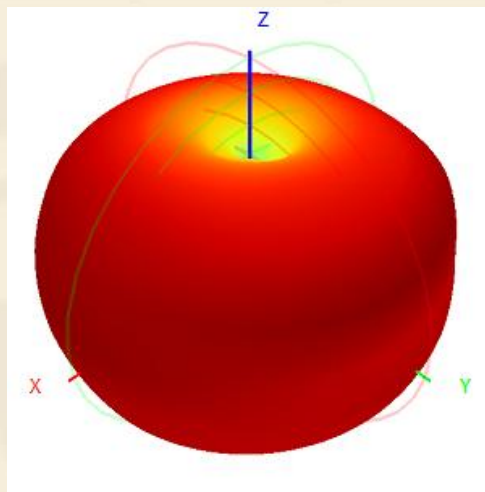
Radiation Pattern of Antenna Passive Test

2450mhz



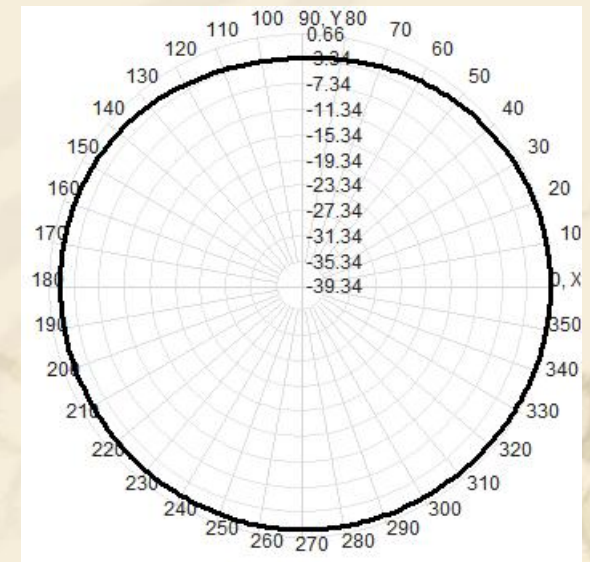
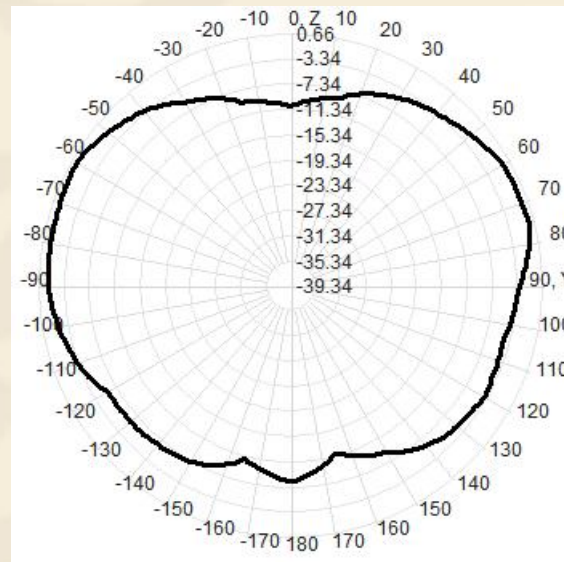
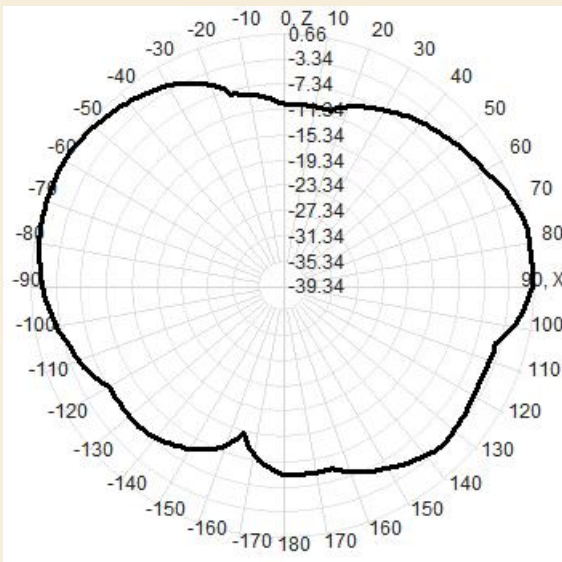
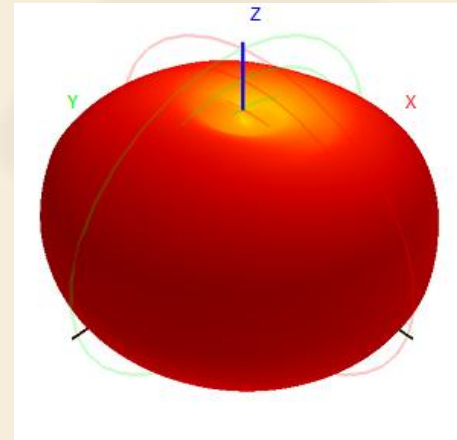
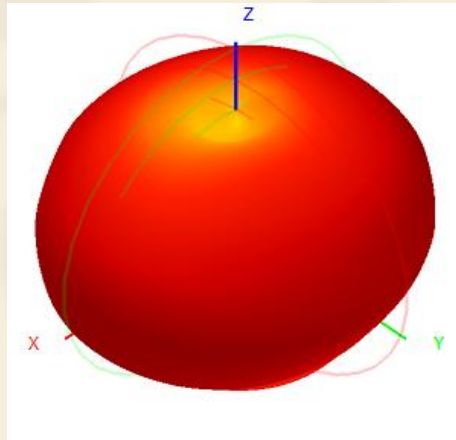
Radiation Pattern of Antenna Passive Test

2500mhz



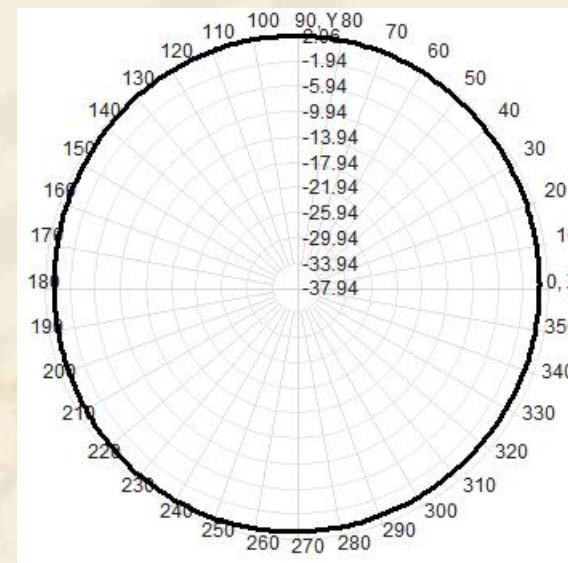
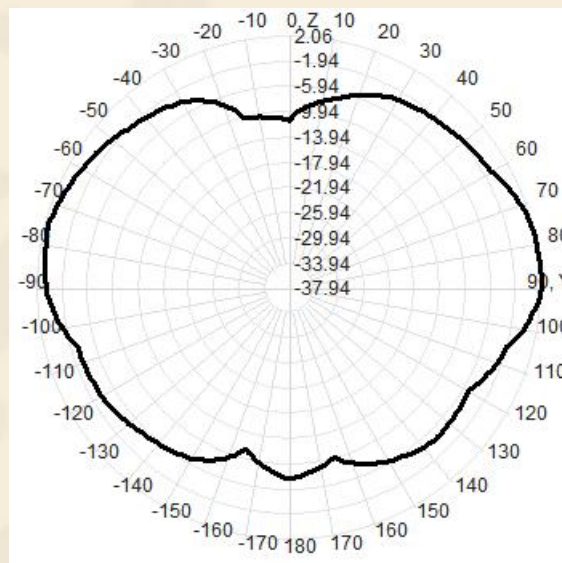
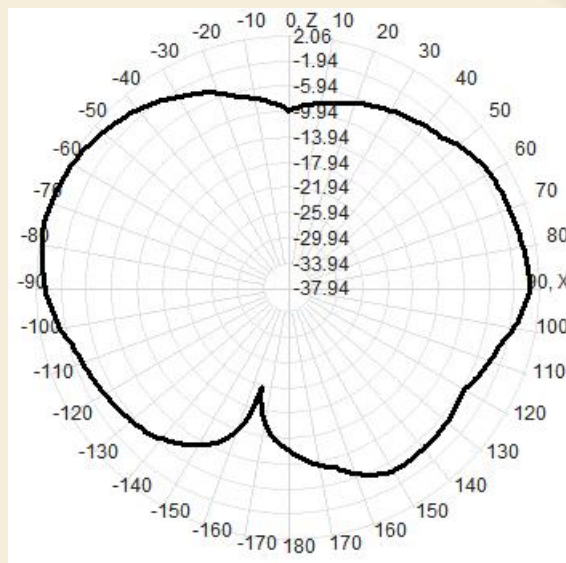
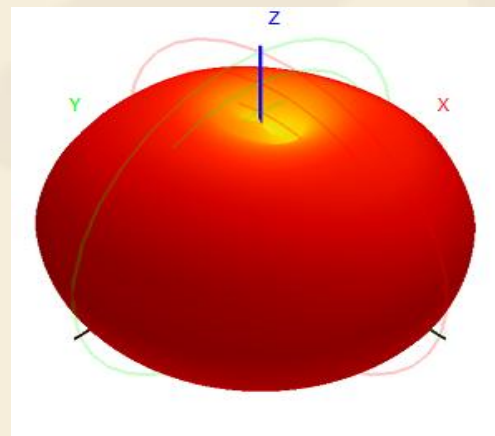
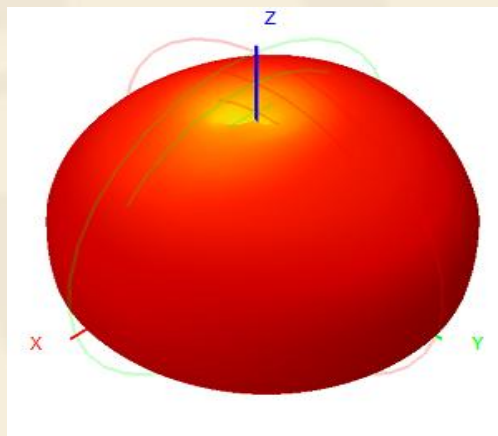
Radiation Pattern of Feeder Cable and Antenna Passive Test

2400mhz



Radiation Pattern of Feeder Cable and Antenna Passive Test

2450mhz



Radiation Pattern of Feeder Cable and Antenna Passive Test

2500mhz

