

Bluetooth Antenna Test Report

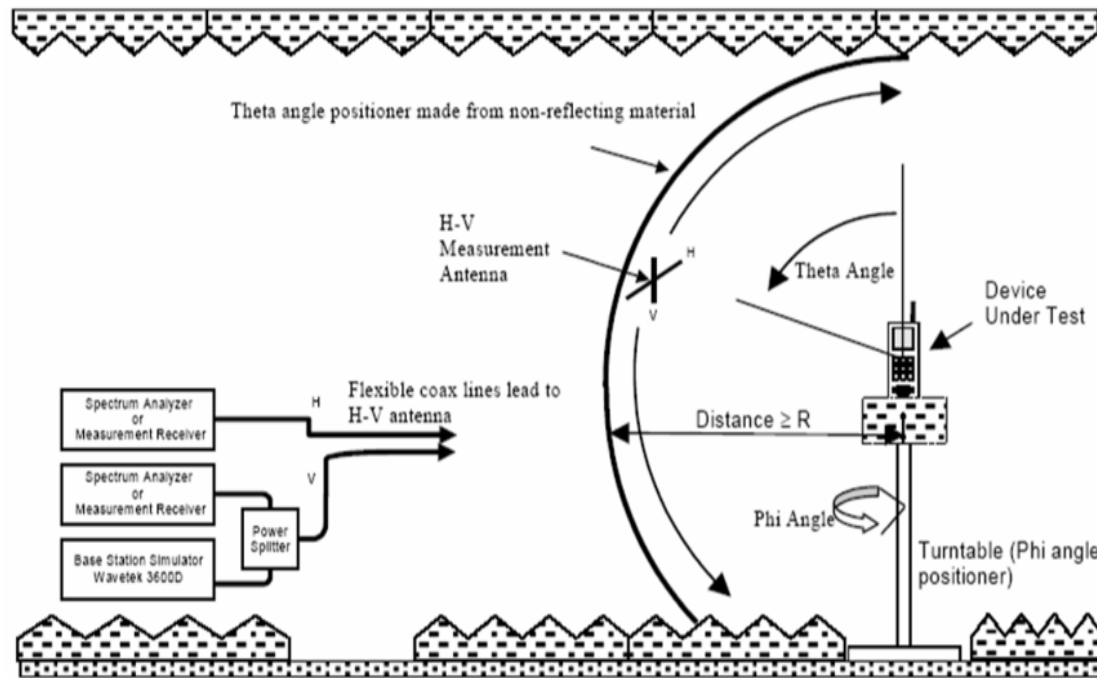
HAITONG Comm.

2024.09.12

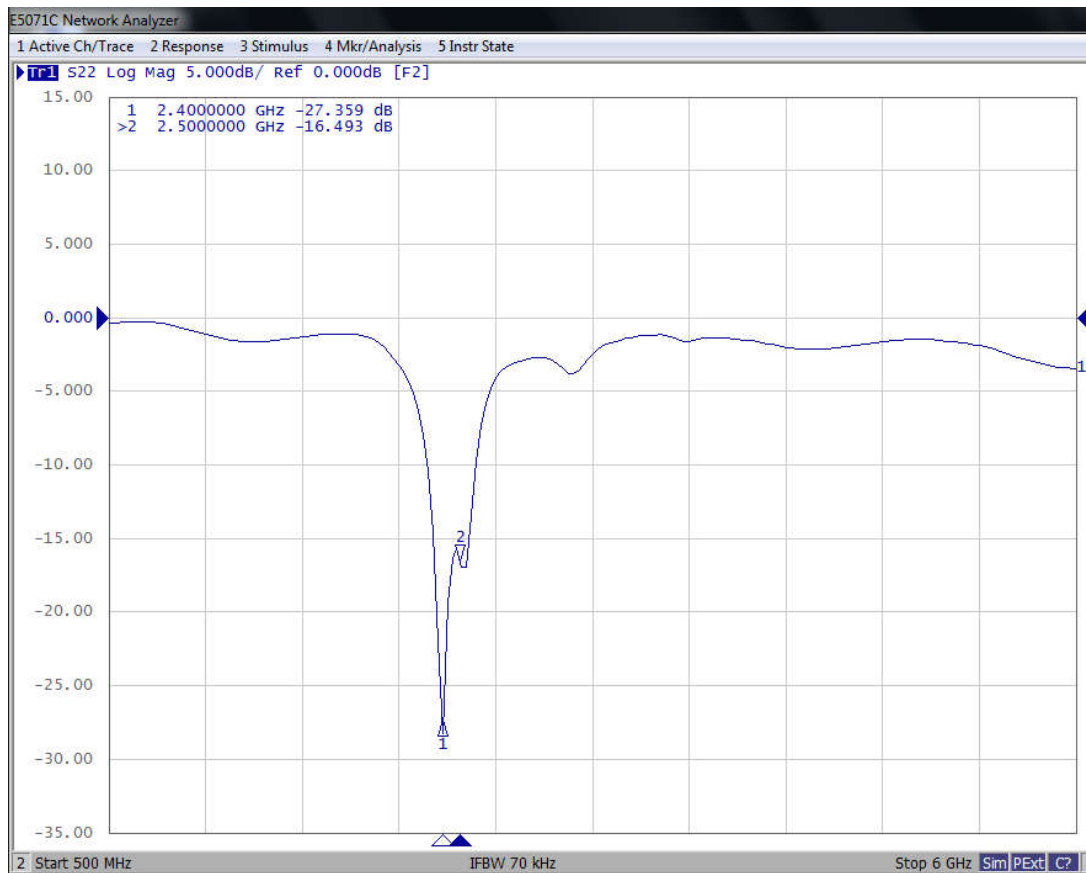
Antenna information

- Antenna frequency: 2400-2500MHz
- Model Name: BKR0V0224360A0
- Antenna Type: PCB Antenna
- Test Equipment: Keysight E5071C
- Calibration date: 2023.12.31 Due date 2024.12.30

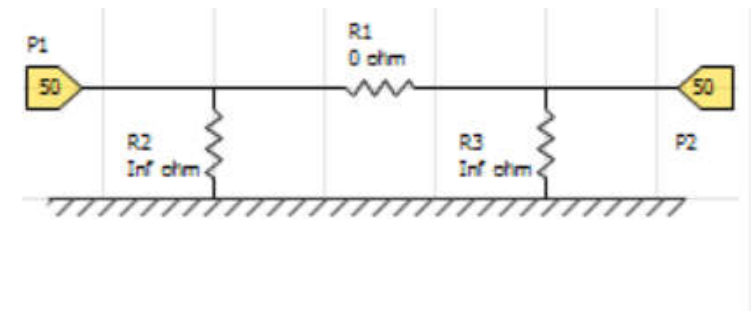
Antenna Test System



antenna performance

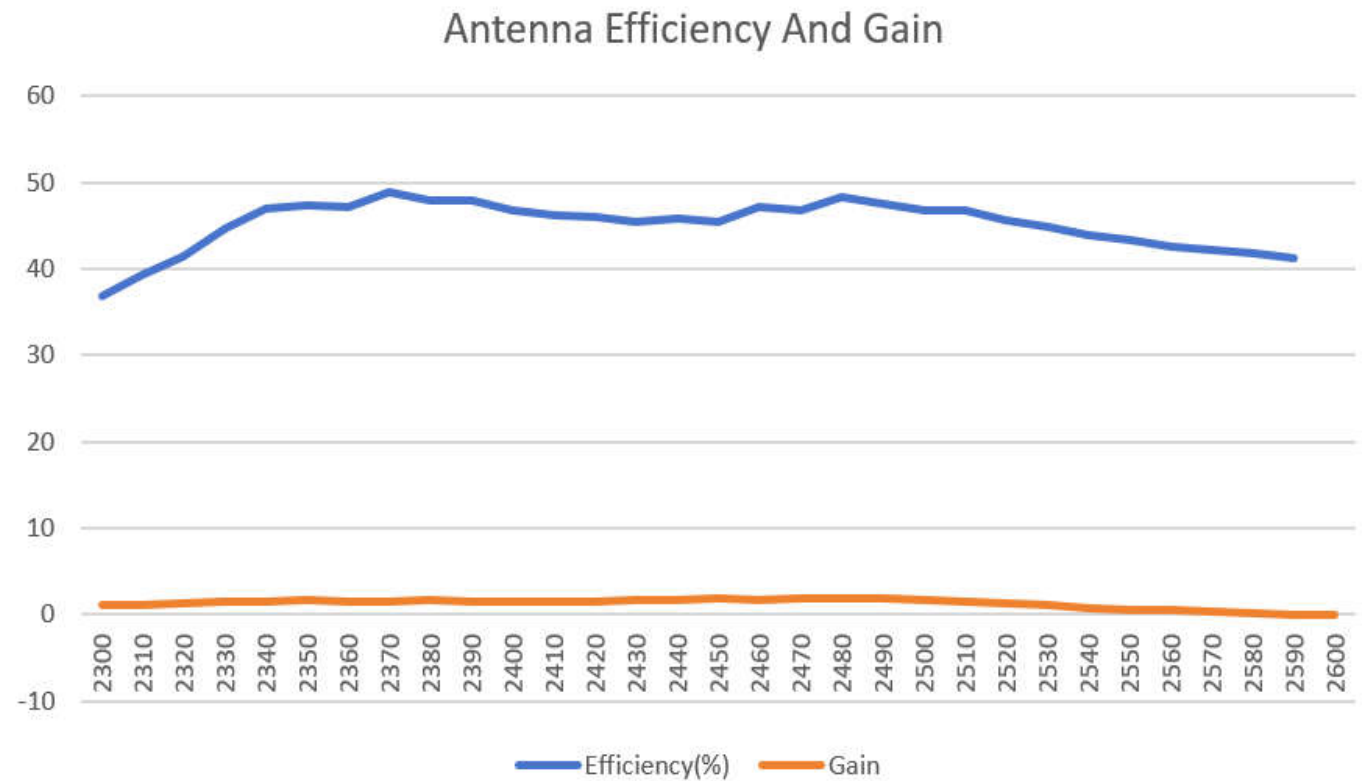


Matching Circuit :



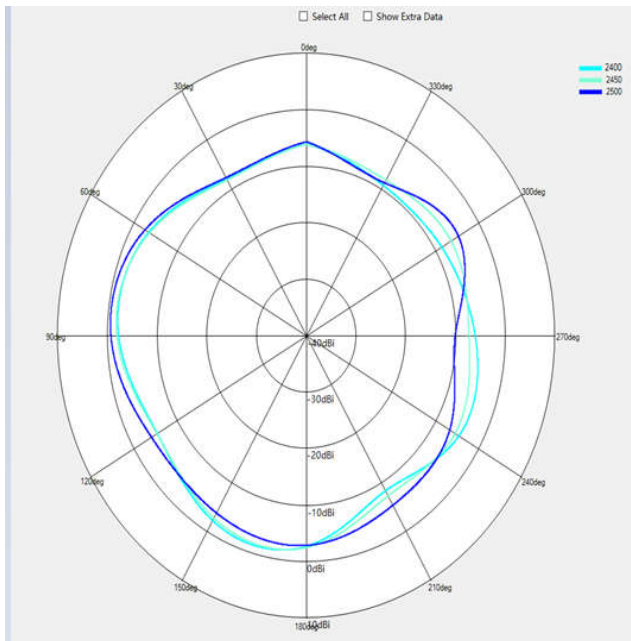
Antenna Performance

Freq	Efficiency dB	Gain	Efficiency (%)
2300	-4.16	1.16	35.4
2310	-4	1.21	36.8
2320	-3.74	1.31	39.24
2330	-3.53	1.42	41.33
2340	-3.21	1.51	44.72
2350	-3.02	1.64	46.86
2360	-2.99	1.57	47.27
2370	-3	1.53	47.17
2380	-2.85	1.62	48.89
2390	-2.93	1.57	47.99
2400	-2.93	1.59	47.96
2410	-3.04	1.55	46.71
2420	-3.08	1.56	46.21
2430	-3.1	1.67	46.03
2440	-3.15	1.66	45.43
2450	-3.11	1.8	45.86
2460	-3.14	1.76	45.52
2470	-3	1.85	47.09
2480	-3.03	1.89	46.81
2490	-2.9	1.87	48.23
2500	-2.96	1.68	47.55
2510	-3.02	1.48	46.84
2520	-3.03	1.37	46.73
2530	-3.13	1.04	45.59
2540	-3.2	0.83	44.9
2550	-3.28	0.57	43.99

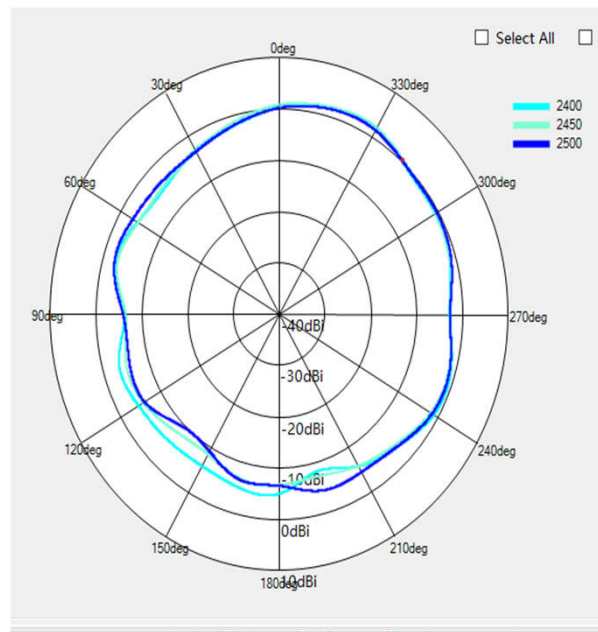


2D-Radiation pattern

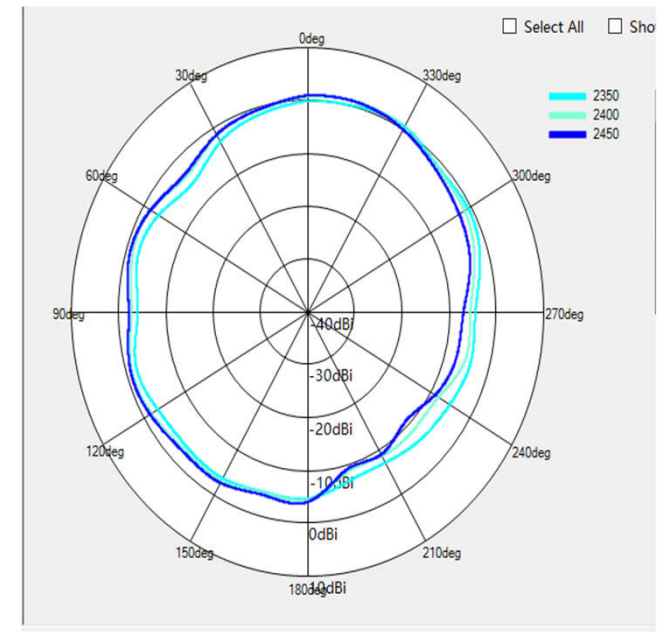
Theta 90°



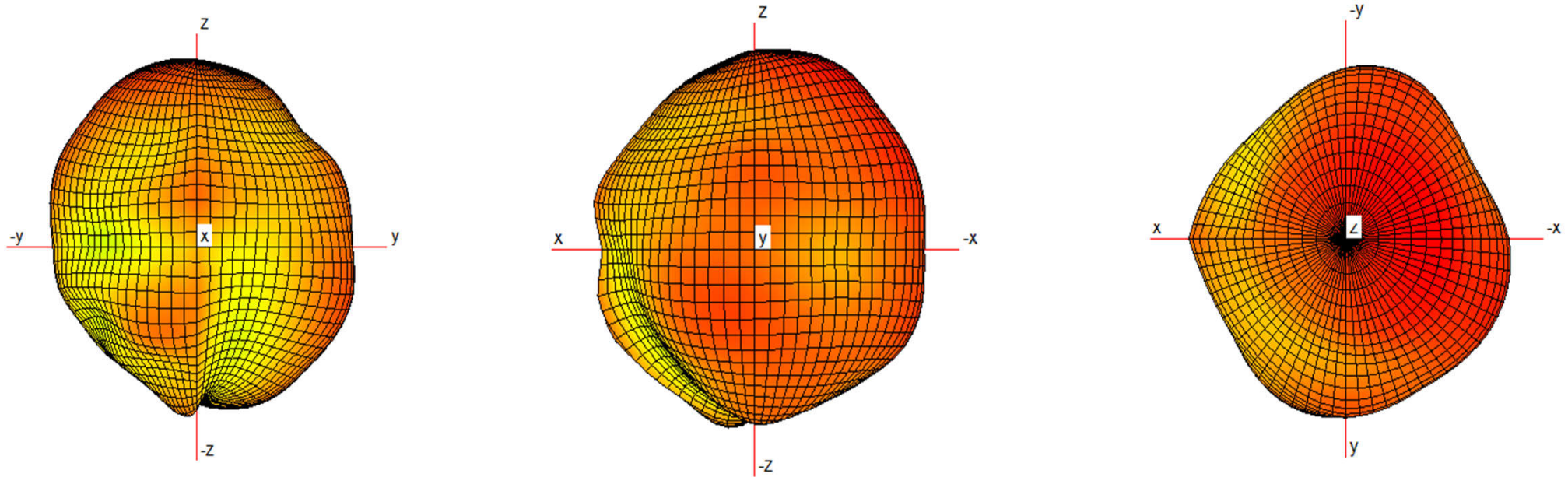
Phi 0°



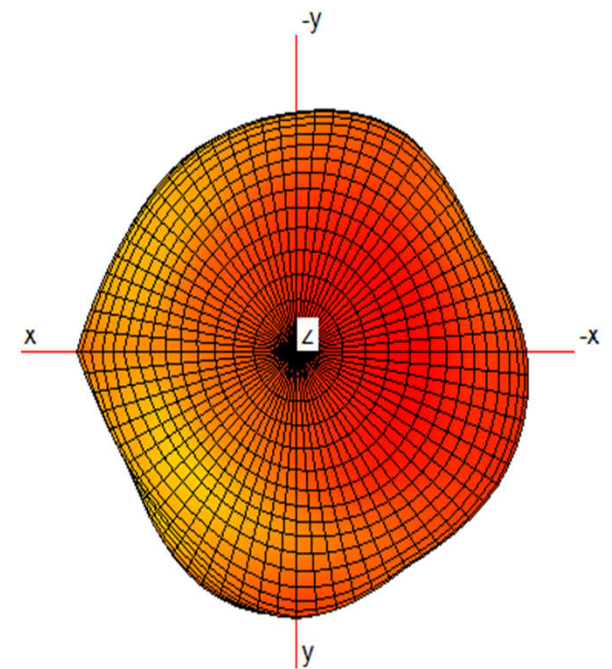
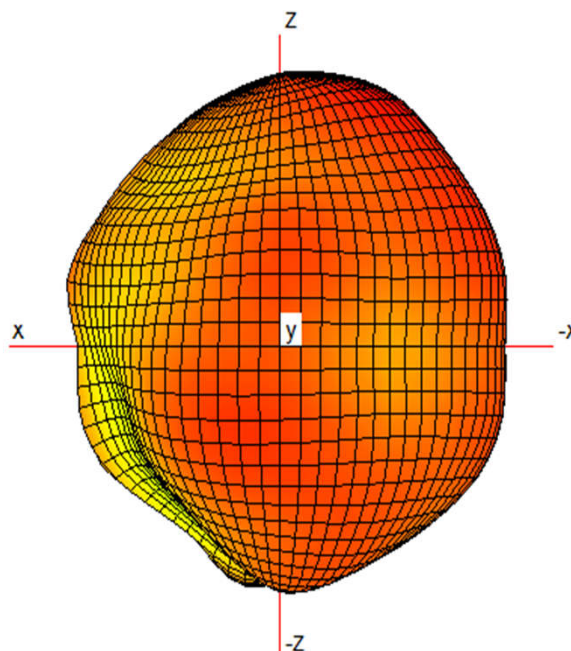
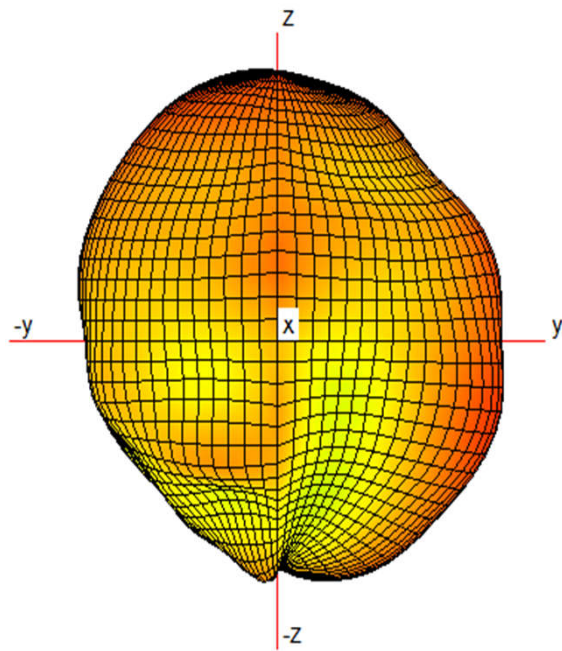
Phi 90°



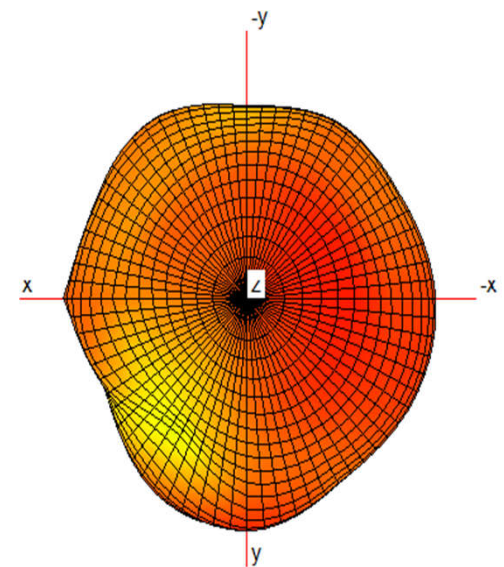
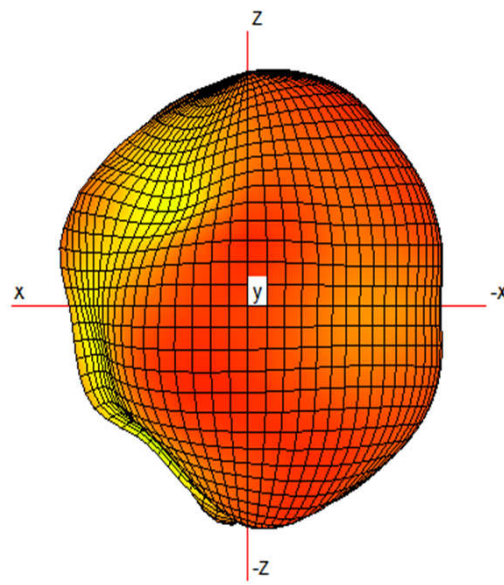
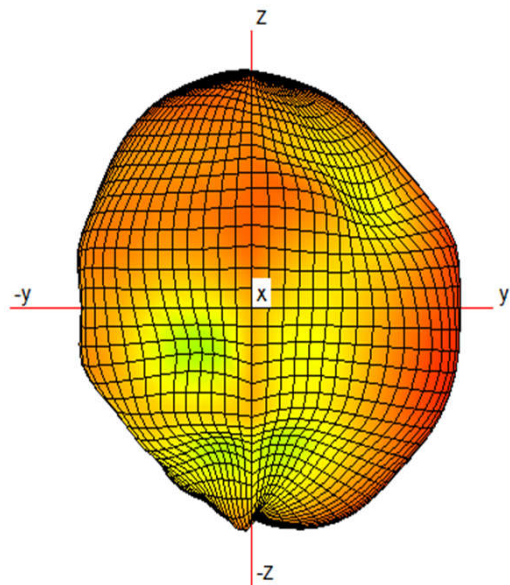
3D-Radiation pattern(2400M)



3D-Radiation pattern(2450M)



3D-Radiation pattern(2500M)



Thanks.