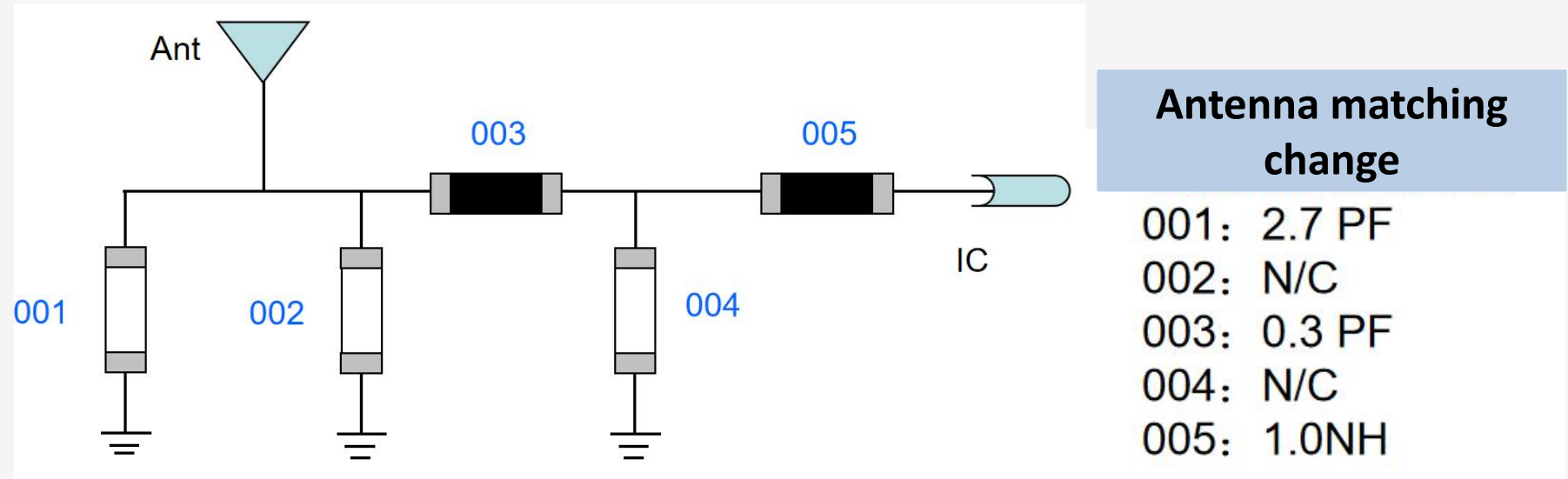


BT Antenna Test Report

Customer	Sunwoda	Project	TC01
Report Version	V2.0	Report Date	2026-02-10
Prepared by	zhudong.liu	Checked by	lei.zhang

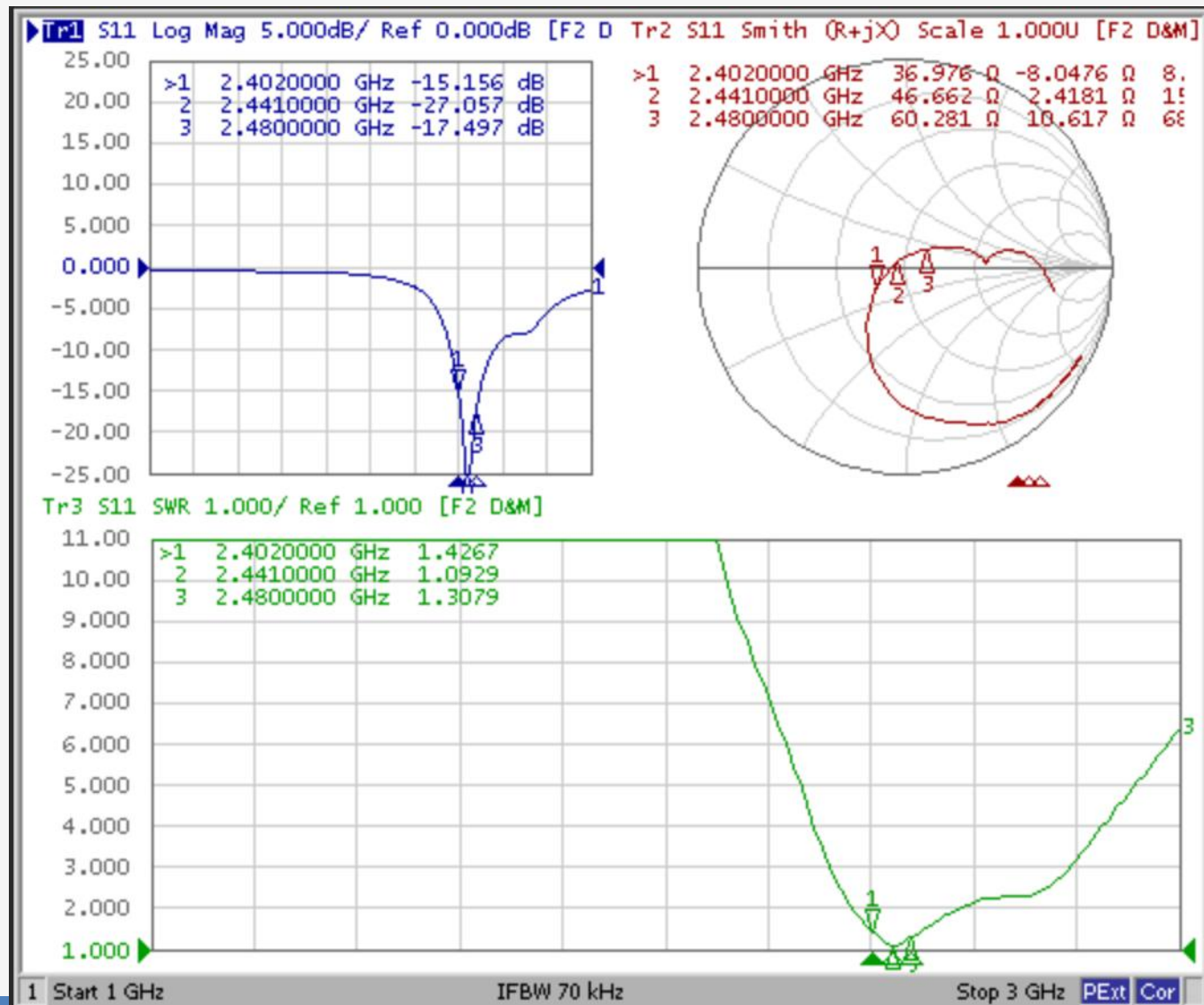


matching circuit:



Antenna test results:

machine data---S11 parameters



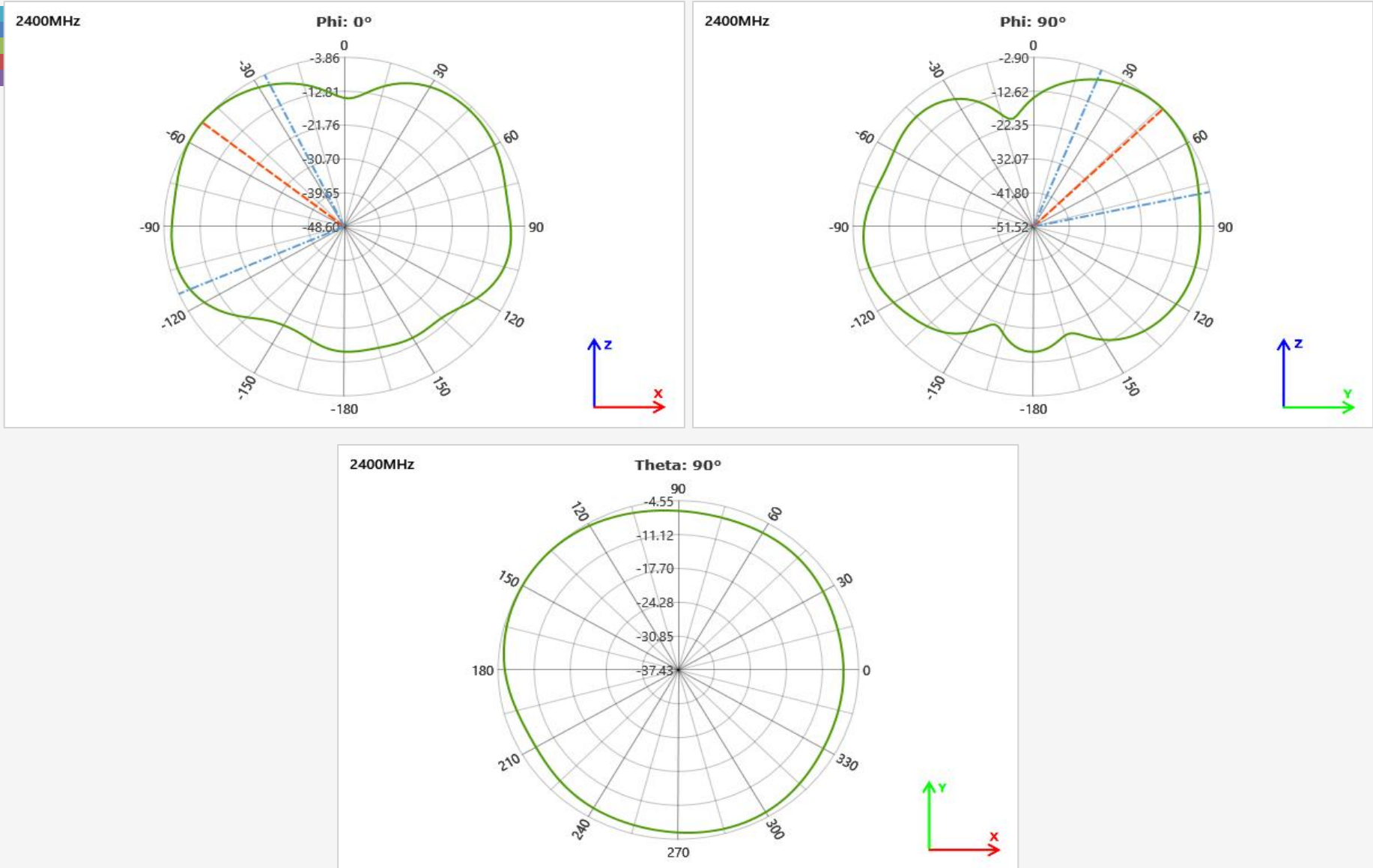
Passive efficiency of antenna:

Frequency(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2350	-2.9	-5.63	27.35
2360	-3.11	-5.86	25.95
2370	-3.38	-6.17	24.17
2380	-3.46	-6.21	23.94
2390	-3.26	-6.05	24.83
2400	-2.86	-5.75	26.61
2410	-2.39	-5.42	28.7
2420	-1.94	-5.27	29.72
2430	-1.65	-5.09	30.98
2440	-1.34	-4.88	32.51
2450	-1.1	-4.66	34.2
2460	-1.29	-4.75	33.49
2470	-1.6	-4.99	31.72
2480	-2.08	-5.23	30.02
2490	-2.11	-5.3	29.48
2500	-2.04	-5.35	29.18
2510	-1.78	-5.25	29.89
2520	-1.57	-5.18	30.31
2530	-1.77	-5.43	28.67
2540	-2.08	-5.68	27.01
2550	-2.27	-5.72	26.79



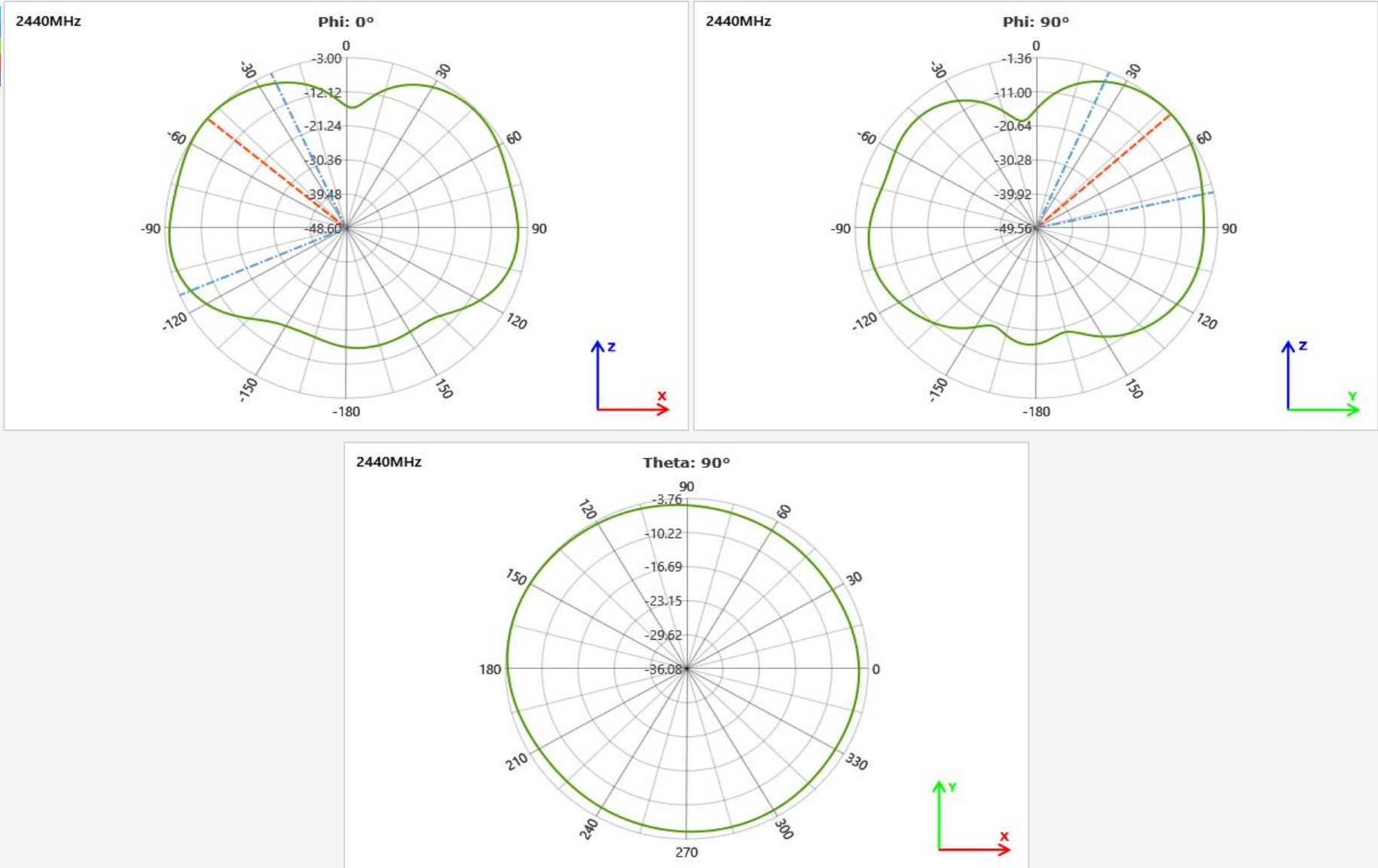
Passive efficiency field diagram of antenna:

2400MHz



Passive efficiency field diagram of antenna:

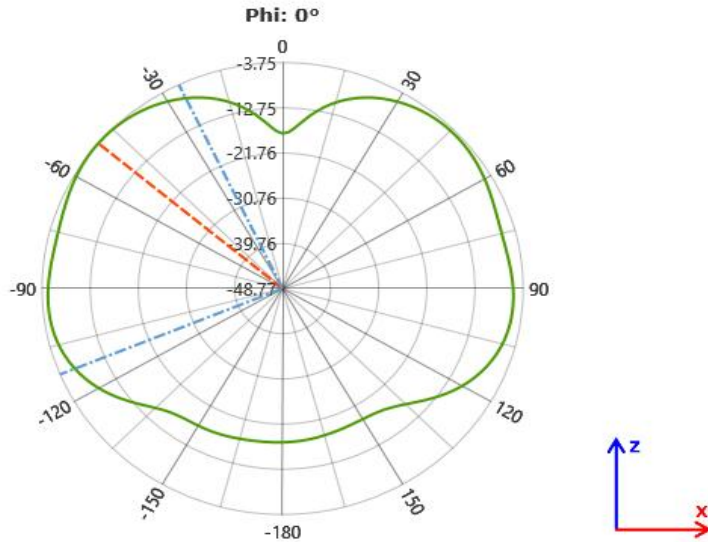
2440MHz



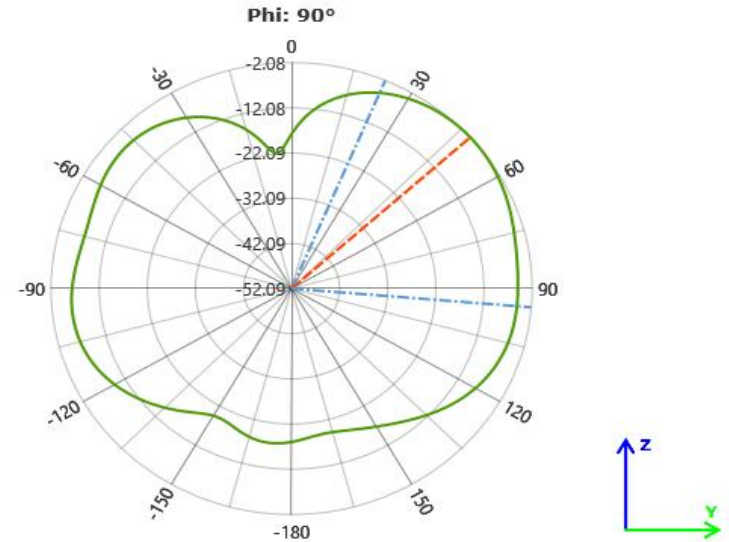
Passive efficiency field diagram of antenna:

2480MHz

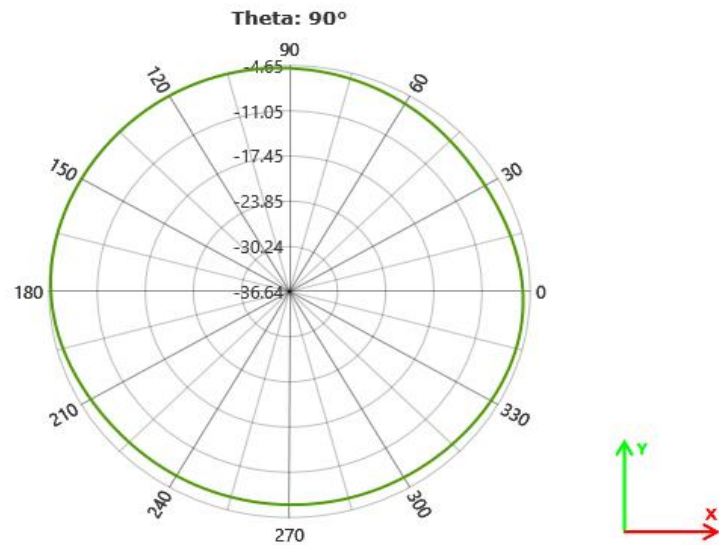
2480MHz



2480MHz



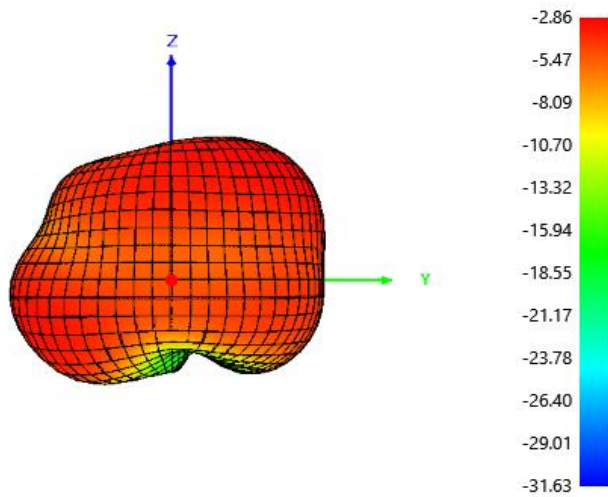
2480MHz



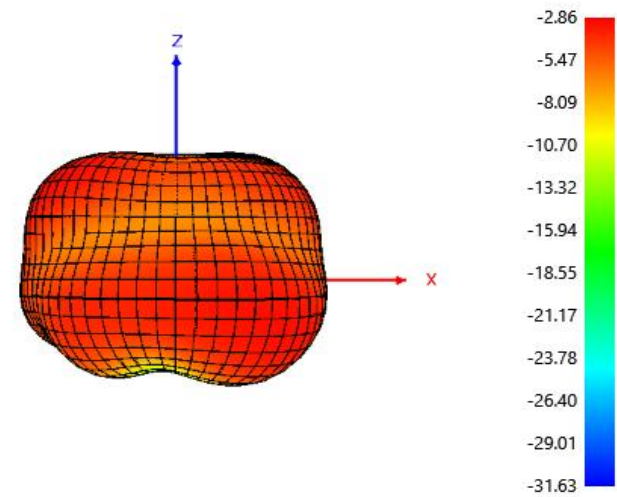
Passive efficiency field diagram of antenna:

2400MHz

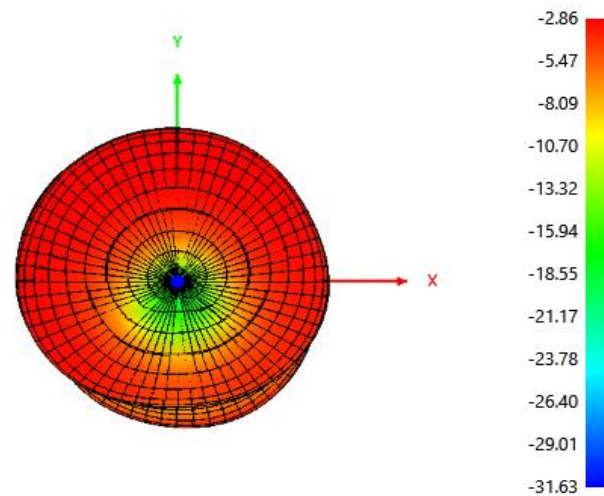
Freq: 2400MHz (XPositive)



Freq: 2400MHz (YNegative)



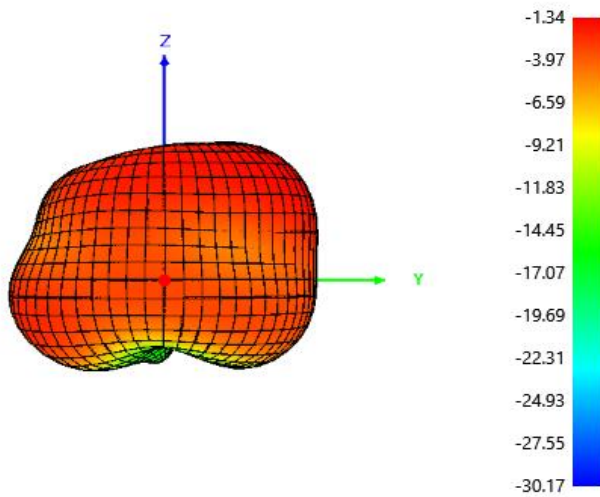
Freq: 2400MHz (ZPositive)



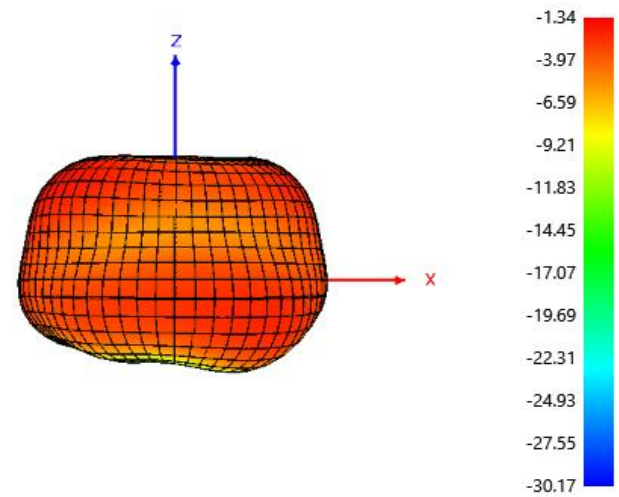
Passive efficiency field diagram of antenna:

2440MHz

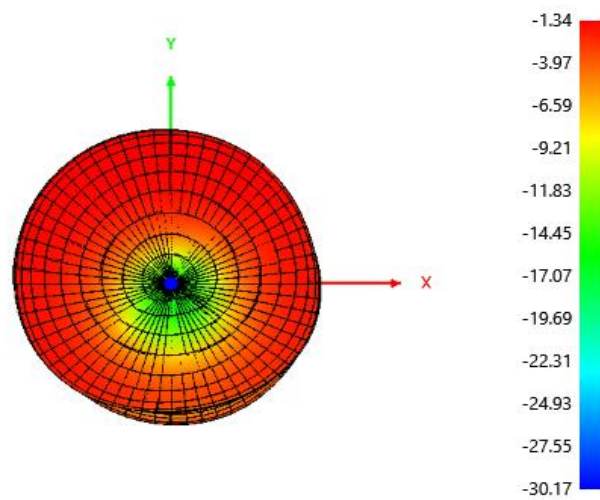
Freq: 2440MHz (XPositive)



Freq: 2440MHz (YNegative)



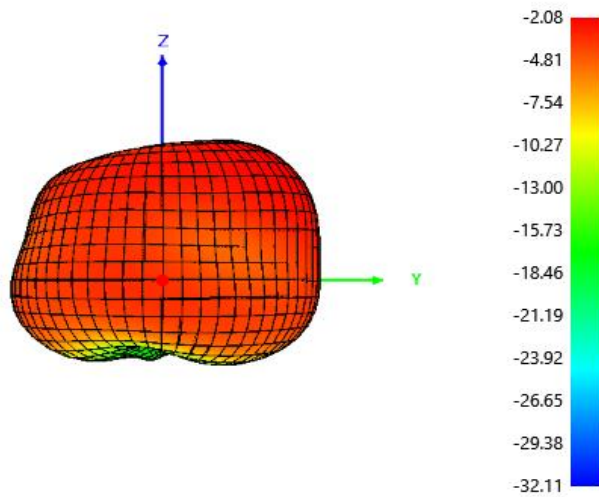
Freq: 2440MHz (ZPositive)



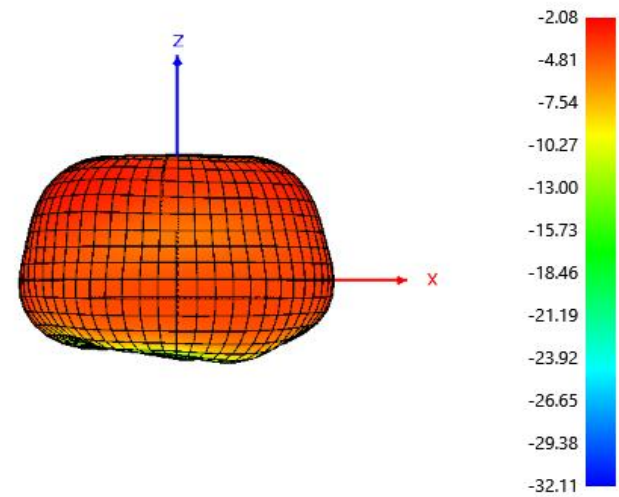
Passive efficiency field diagram of antenna:

2480MHz

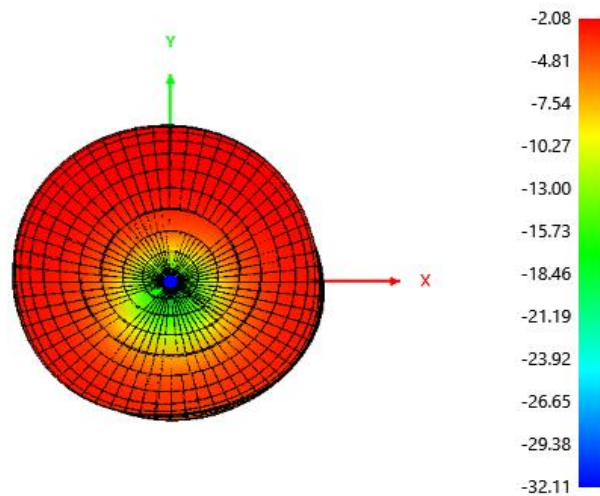
Freq: 2480MHz (XPositive)



Freq: 2480MHz (YNegative)



Freq: 2480MHz (ZPositive)





Thanks!!!

