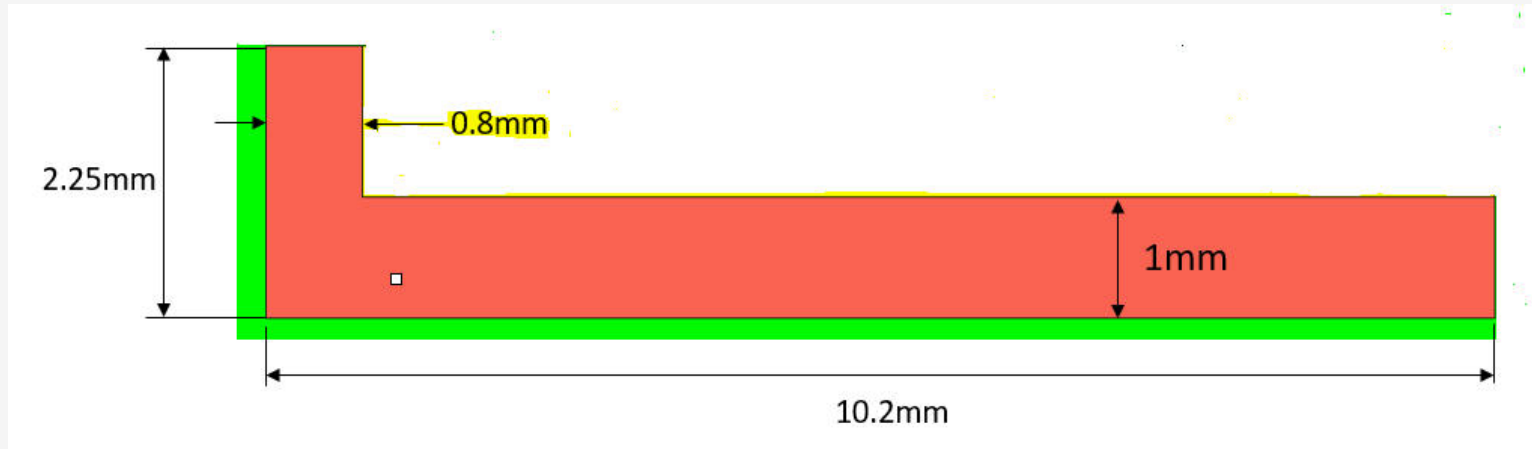


BT Antenna spec

Customer	Sunwada	Project	Pen
Report Version	V2.0	Report Date	2024-01-26
Prepared by	Shen Chuan	Checked by	Zhang Lei



Antenna Dimension



Antenna type: loop antenna

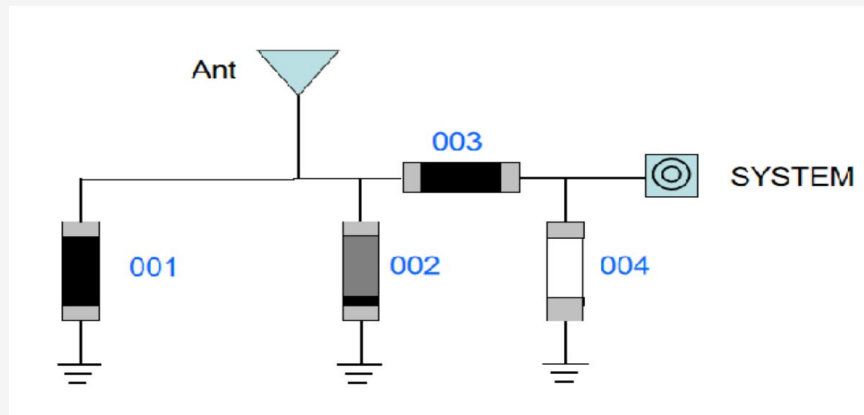
Antenna model: N83C

Manufacturer: Shenzhen Xinwei Intelligent Technology Co., Ltd.

Address: 1-6 Floor, No.101, Building 4, 6-6 Yanshan Avenue, Yanchuan Community, Yanluo Street, Baoan District, Shenzhen, China



Matching circuit

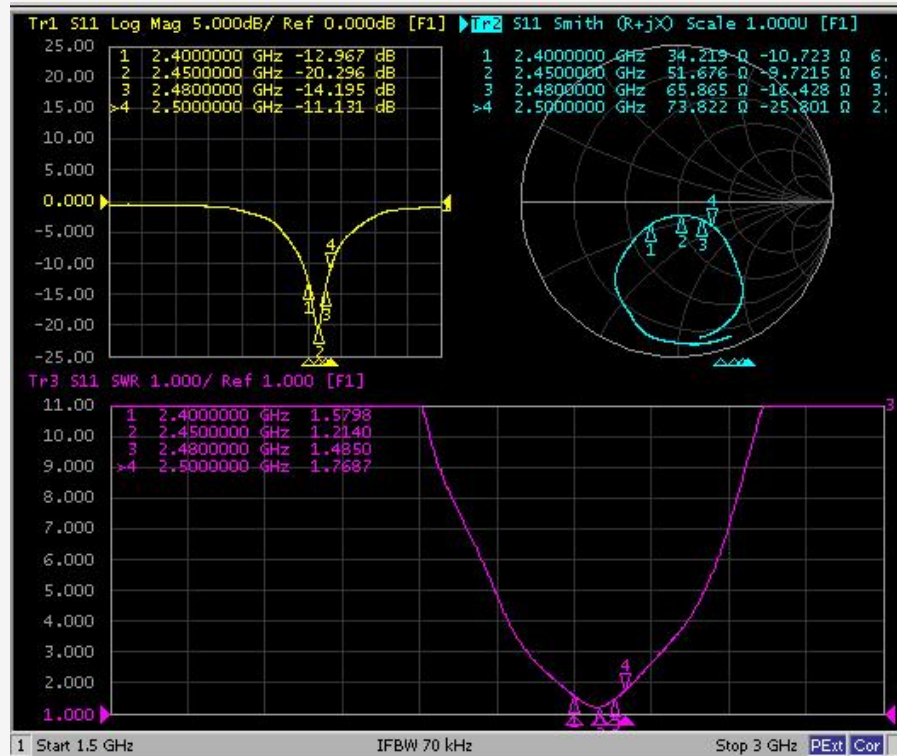


001	0 Ohm
002	NC
003	series 0.3PF
004	parallel 1.0PF



Antenna test result

Overall data: Antenna waveform diagram



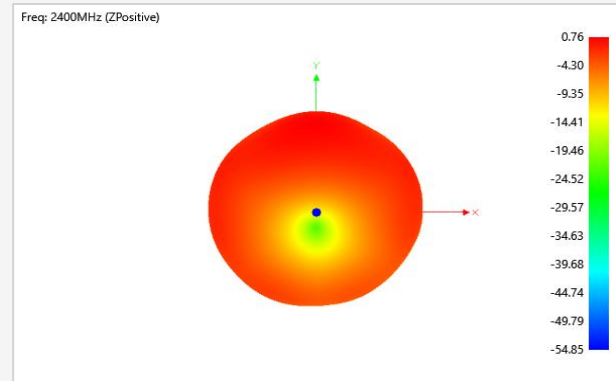
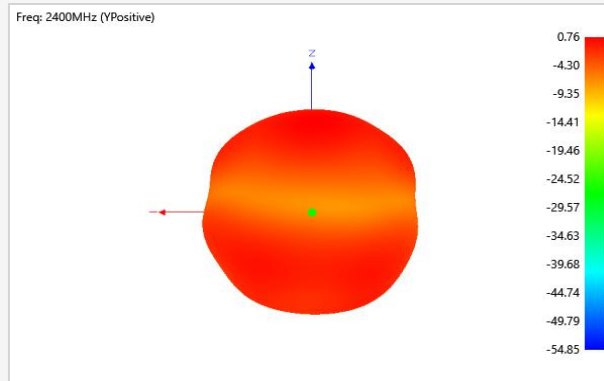
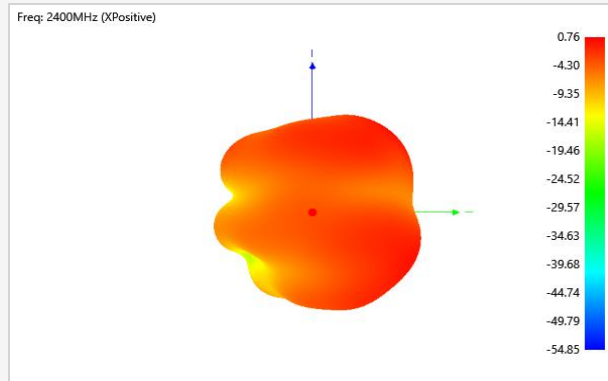
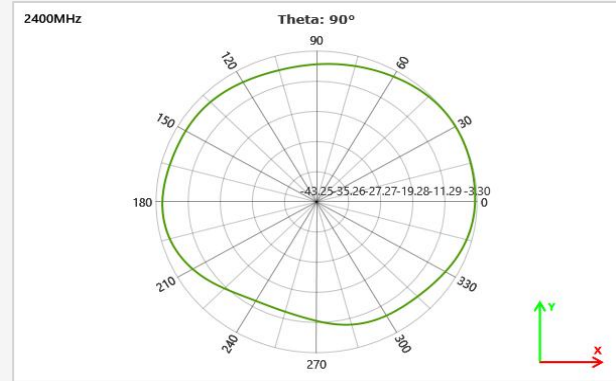
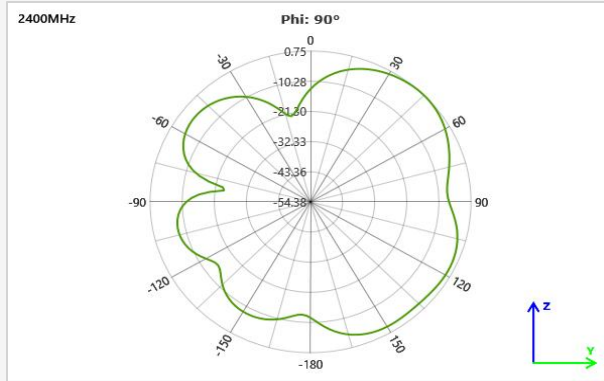
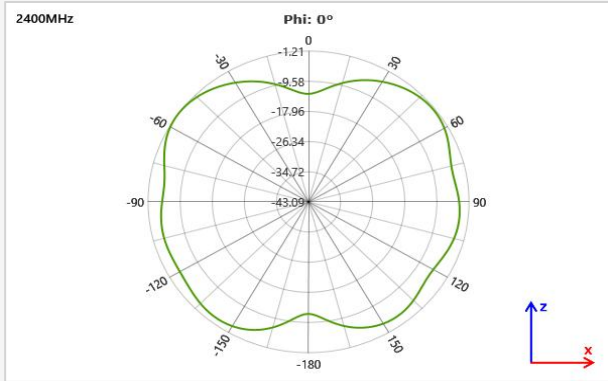
Antenna passive efficiency:

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	44.71	-3.5	0.76
2410	45.14	-3.45	0.84
2420	45.71	-3.4	0.73
2430	45.46	-3.42	0.75
2440	45.6	-3.41	0.99
2450	46.72	-3.3	1.34
2460	46.82	-3.3	1.37
2470	46.27	-3.35	1.34
2480	45.46	-3.42	1.33
2490	45.14	-3.45	1.26
2500	43.96	-3.57	1.2



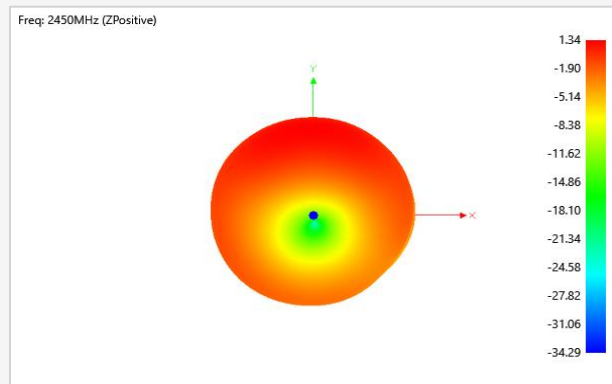
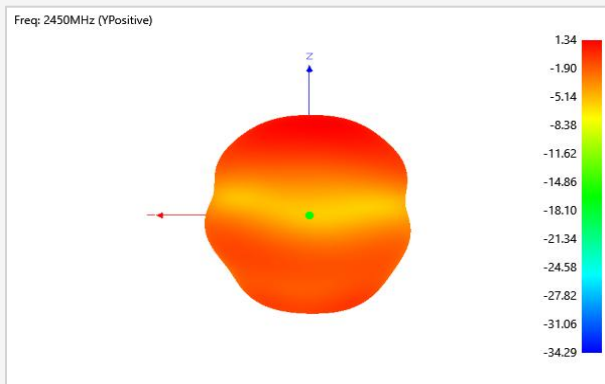
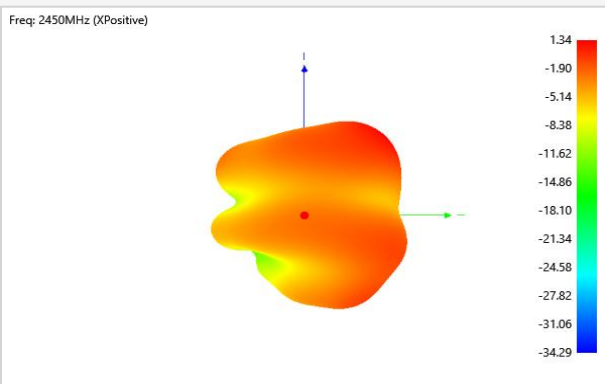
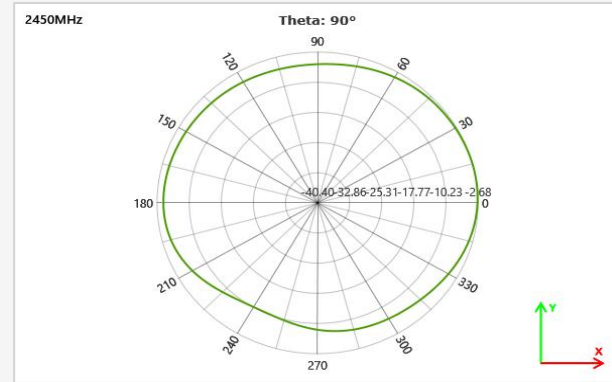
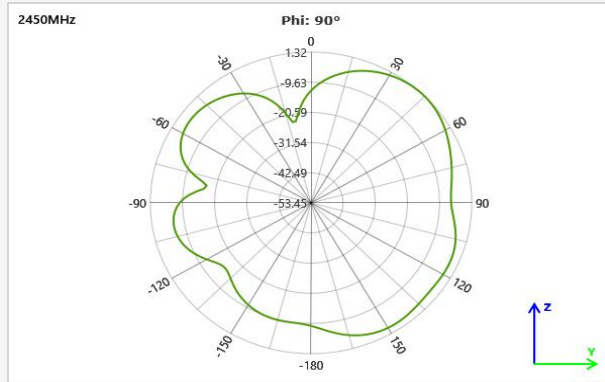
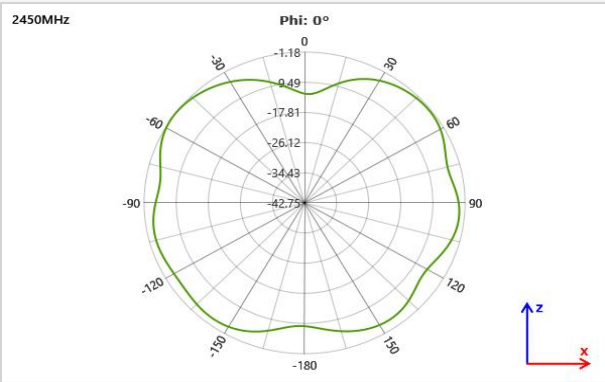
Antenna passive efficiency field pattern:

2400MHz



Antenna passive efficiency field pattern:

2450MHz



Antenna passive efficiency field pattern:

2500MHz

