



Antenna specification sheet

Customer:	MINAMI
Project Name:	Endurance Pace
Antenna name:	BT antenna
Antenna type:	FPC
Antenna manufacturer name:	Shenzhen Cicent Communication Technology Co., Ltd.
Antenna manufacturer address:	505-506 ,ABlock,Donglian Building,Chuangye 2 road,Baoan District,Shenzhen,Guangdong,P.R china
Version number:	V2.0
Date:	2025.04.29



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Change Record Column			
Date of Compilation/C hange	Reason for change	Changes	version
2025.04.01	Initial release	Initial release	V1.0
2025. 04. 29	Antenna optimization	Antenna optimization	V2.0

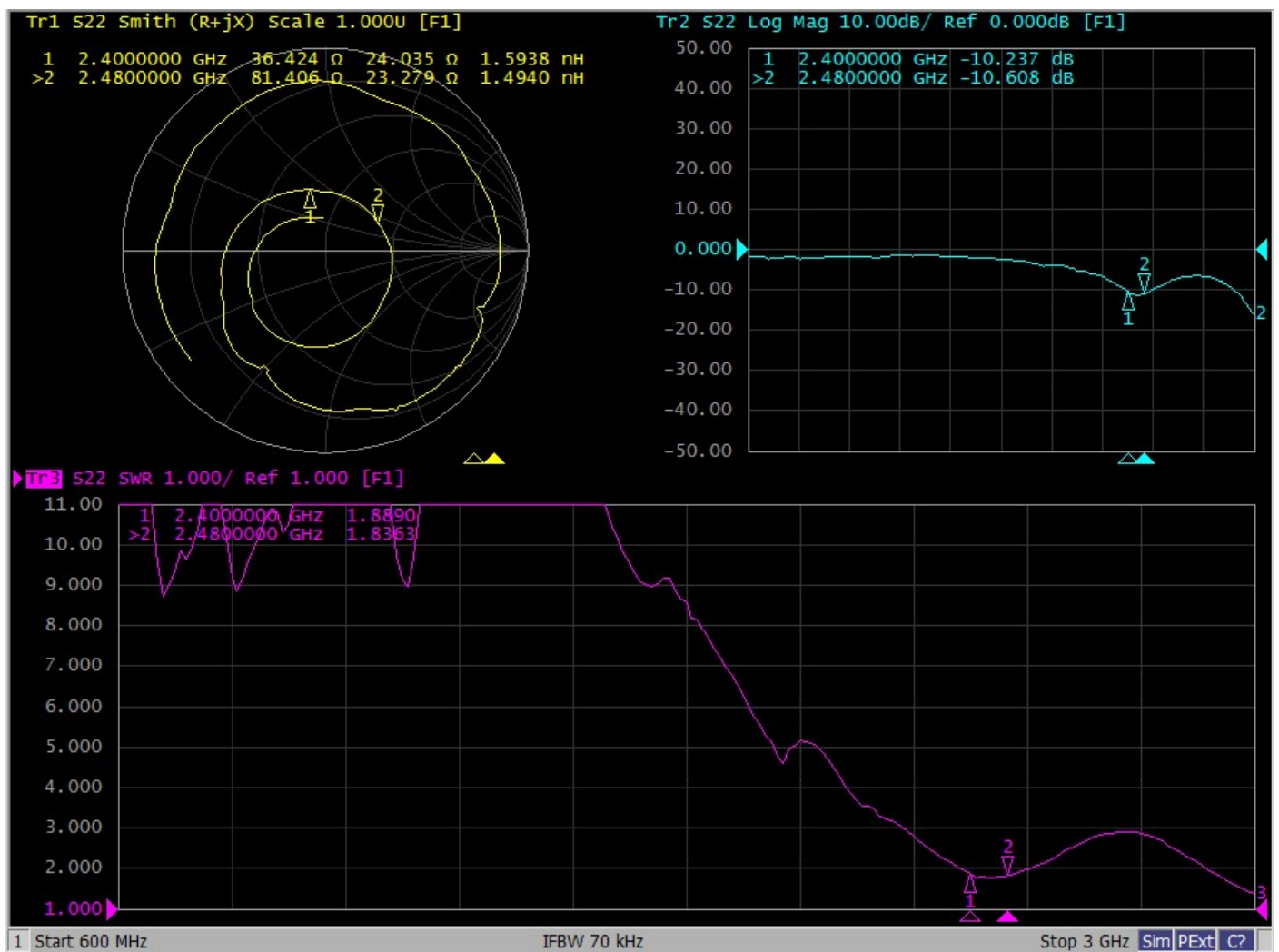


I: Passive Test Report



Angilent E5071C

Antenna S11 parameters:

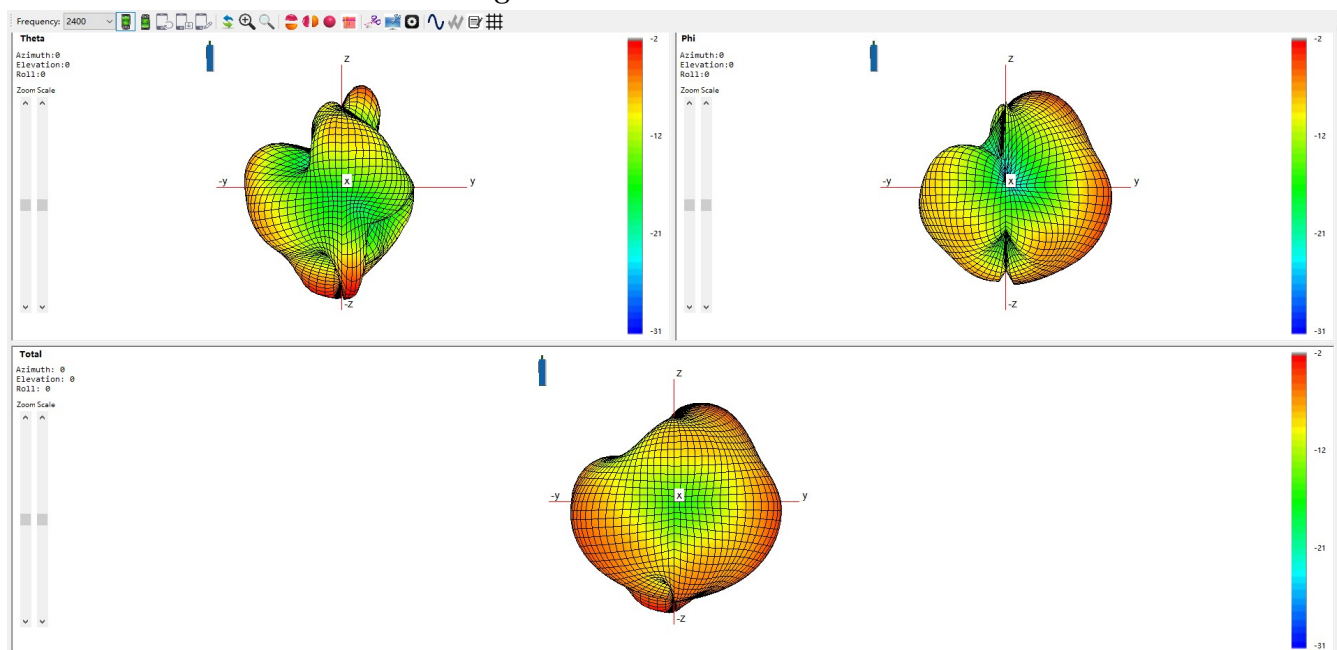




Antenna efficiency and gain:

2.4G			
Frequency (MHz)	gain (dBi)	efficiency (dB)	efficiency (%)
2400	-6.8	-6.8	20.9
2410	-6.9	-6.7	21.6
2420	-6.9	-6.5	22.2
2430	-7.1	-6.3	23.5
2440	-7.2	-6.2	23.9
2450	-7.3	-6.3	23.6
2460	-7.4	-6.4	23.2
2470	-7.6	-6.5	22.6
2480	-7.6	-6.7	21.4
2490	-7.8	-6.6	21.7
2500	-7.9	-6.7	21.1
AVG	-7.3	-6.5	22.3

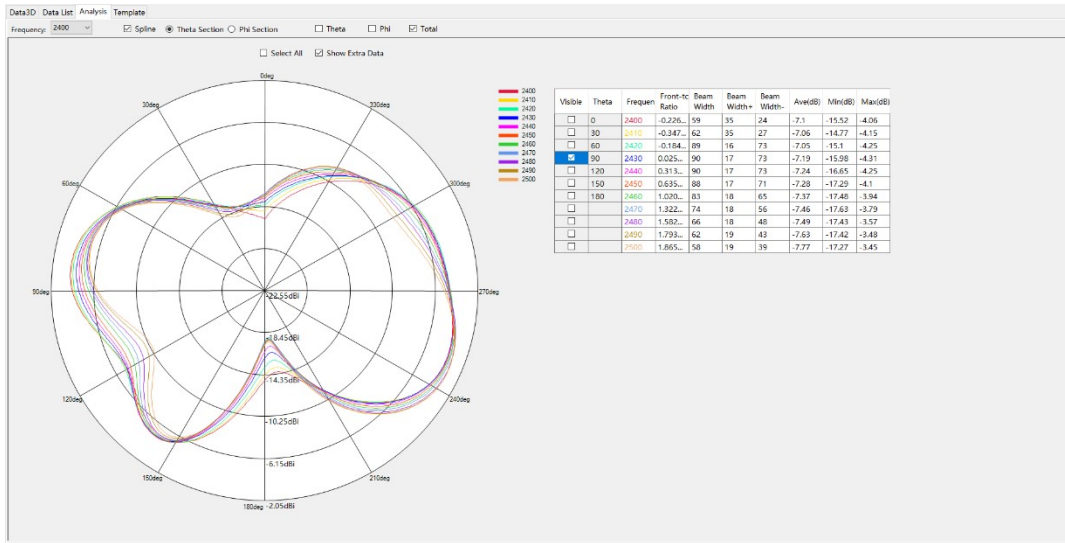
Antenna 3D directional diagram:



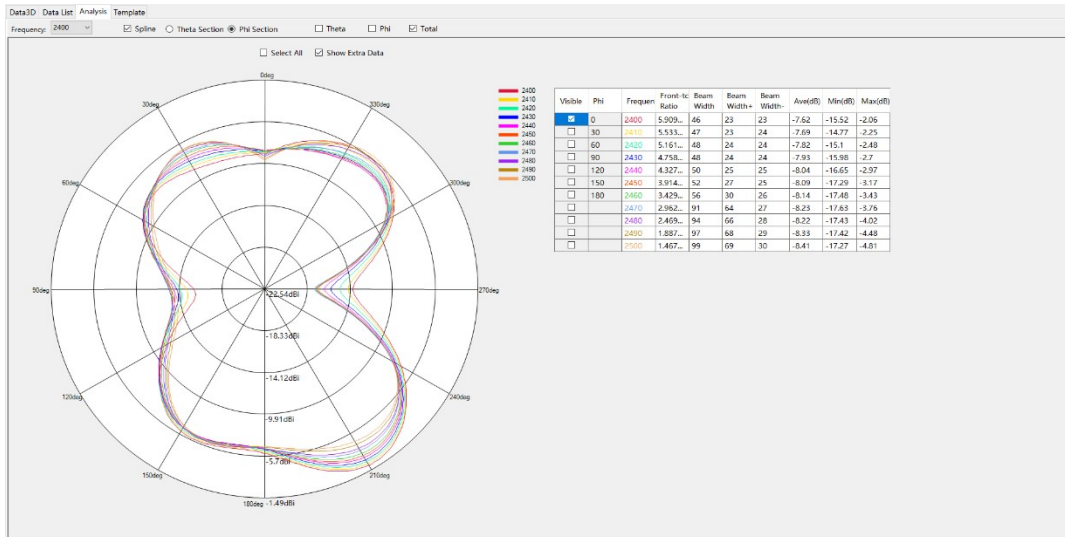


2D antenna pattern:

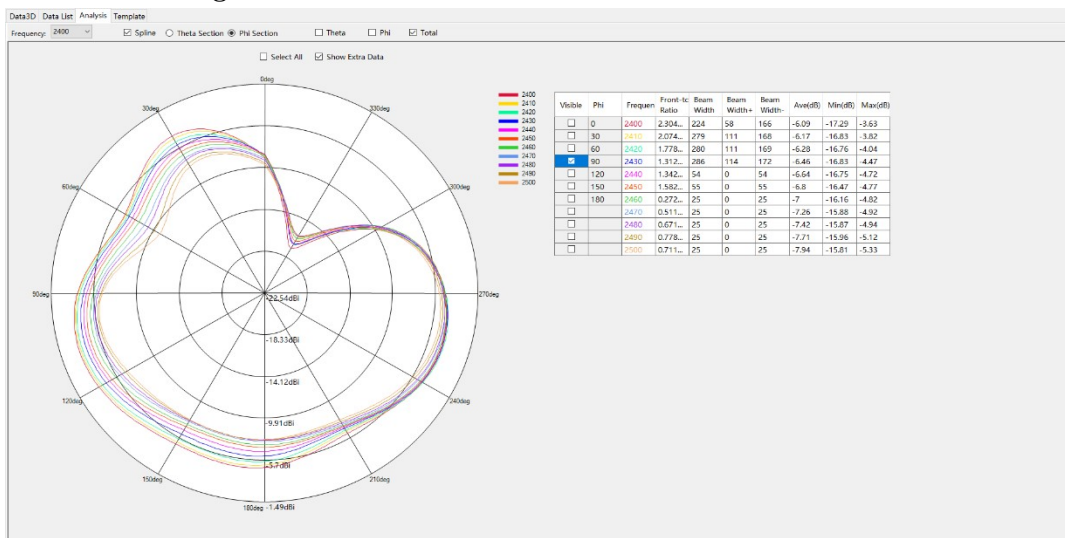
Theta=90.00deg



Phi=0.00deg



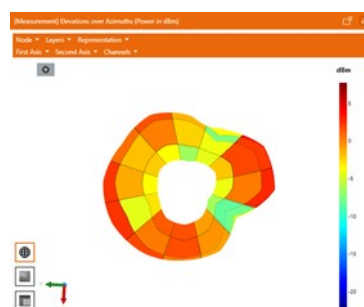
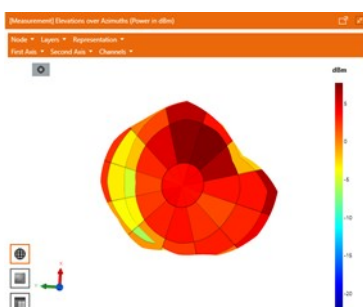
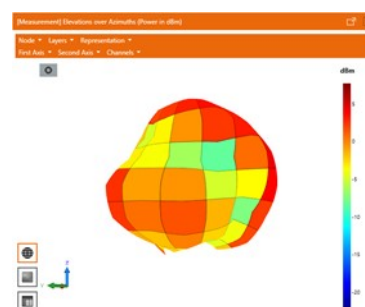
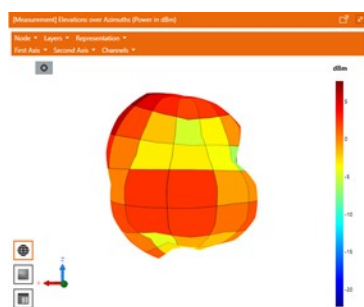
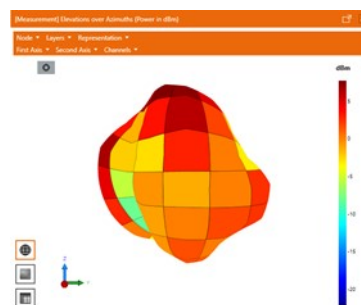
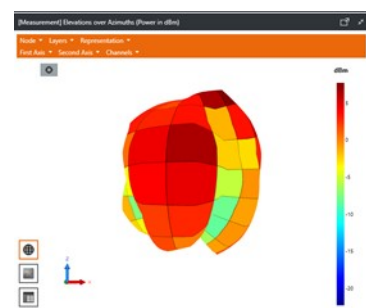
Phi=90.00deg





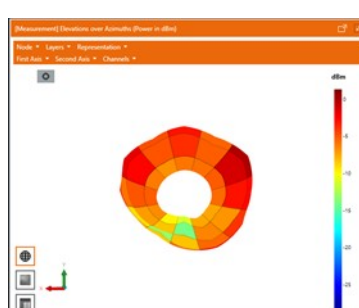
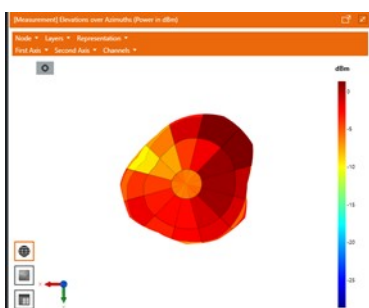
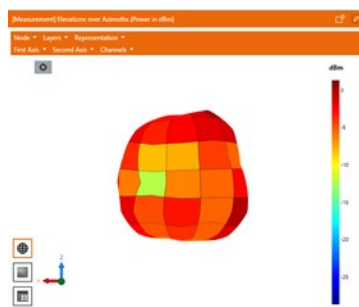
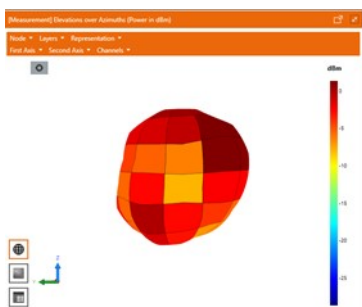
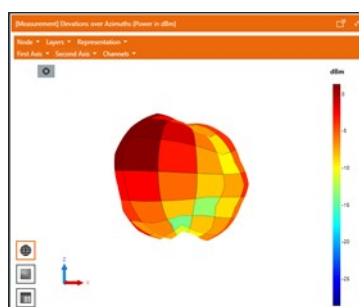
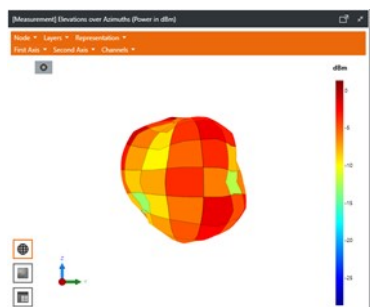
II: Antenna darkroom data

free	Channel	TRP (dBm)	TIS (dBm)
BT	CH 0	0.6	-87.1
	CH 39	1.5	-87.4
	CH 78	0.9	-86.1





headform	Channel	TRP (dBm)	TIS (dBm)
BT	CH 0	-5.1	-81.3
	CH 39	-4.2	-81.6
	CH 78	-5.0	-80.3





III: Structural diagram file

