



Antenna Part Specification

Project name:	D1105
Antenna name:	R-BT antenna
Version:	V1.0
Date:	2026.6.8
Manufacturer:	Shenzhen Cicent Communication Technology Co., Ltd.
Manufacturer address:	505-506 ,ABlock,Donglian Building,Chuangye 2 road,Baoan District,Shenzhen,Guangdong,P.R china



Contents

I: The report of passive data	3
II: Active test data.....	6
III: Antenna matching.....	6
IV: Antenna structure diagram file	7

Change record			
Compile / change date	Reason for change	Changed content	Version
2026.6.8	First edition	First edition	V1.0

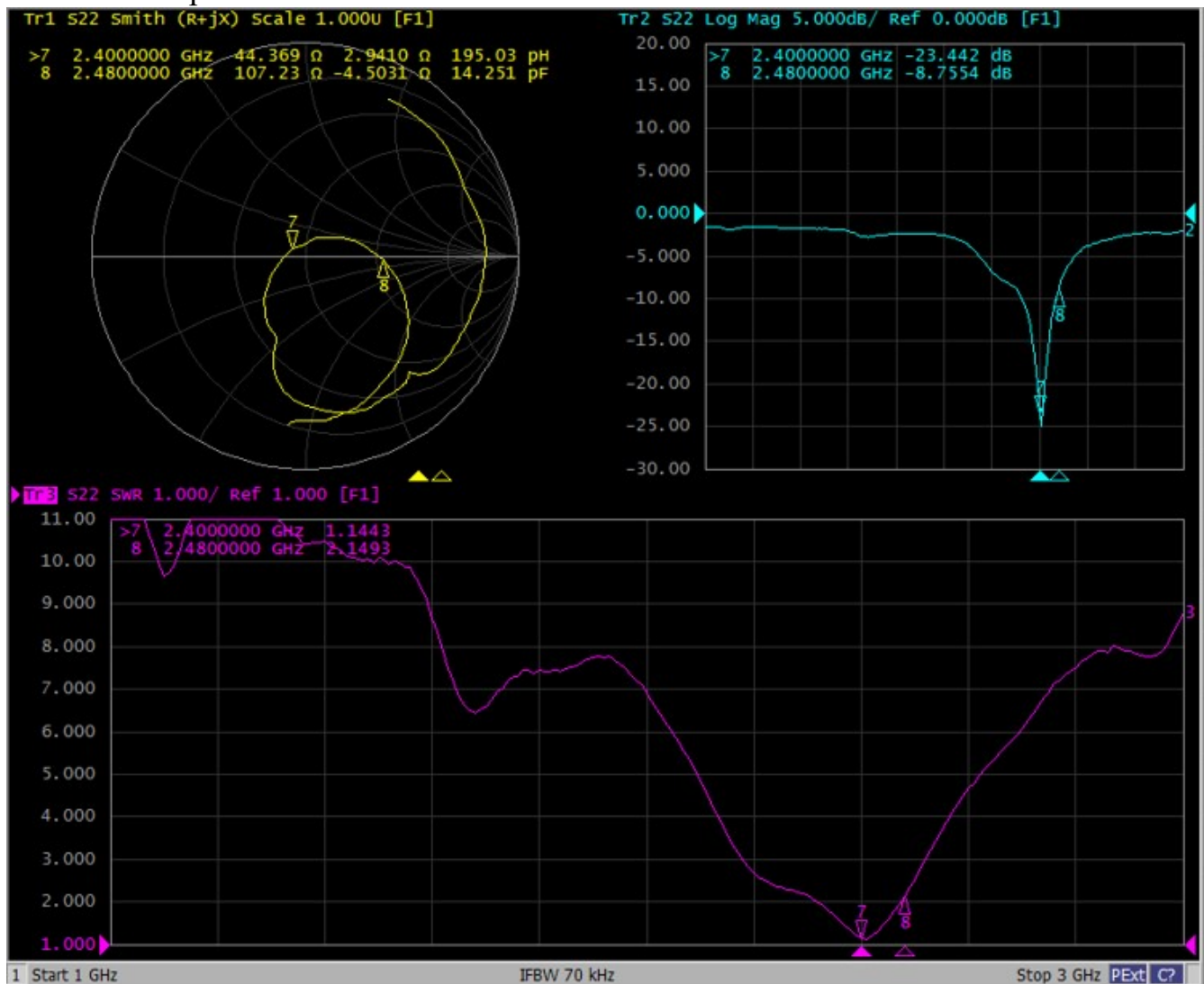


I: The report of passive data



Agilent E5071C

Antenna S11 parameter:

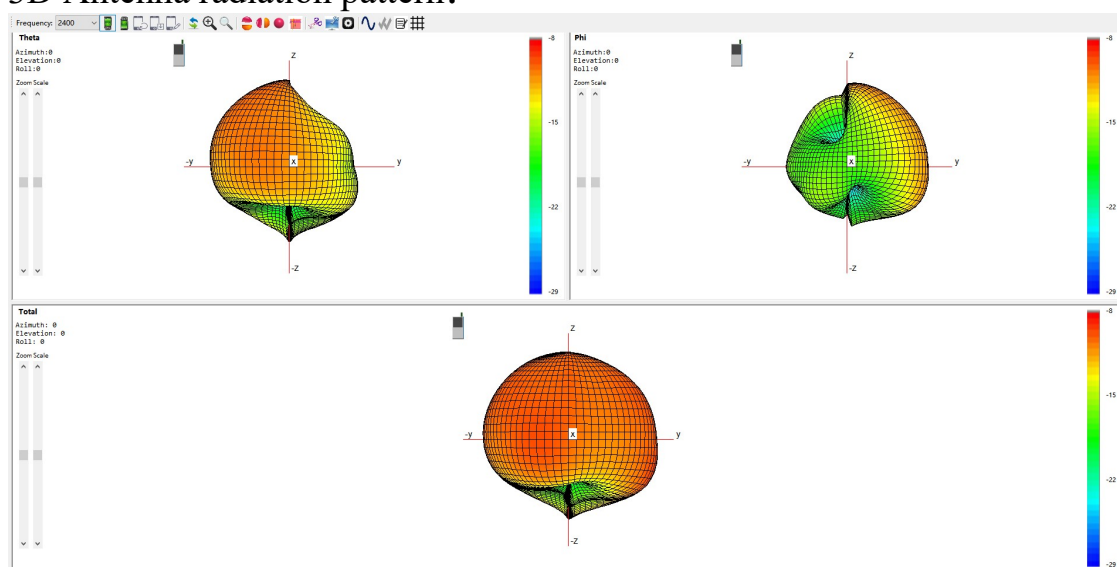




Antenna efficiency and gain:

R free			
Frequency (MHz)	Efficiency (dB)	Gain (dBi)	Efficiency (%)
2400	-8.8	-6.3	13.3
2410	-8.8	-6.1	13.3
2420	-8.8	-6.1	13.2
2430	-8.9	-6.2	12.8
2440	-9.1	-6.3	12.4
2450	-9.2	-6.4	12.1
2460	-9.3	-6.6	11.6
2470	-9.5	-6.8	11.2
2480	-9.6	-6.9	11.0
average	-9.1	-6.4	12.3

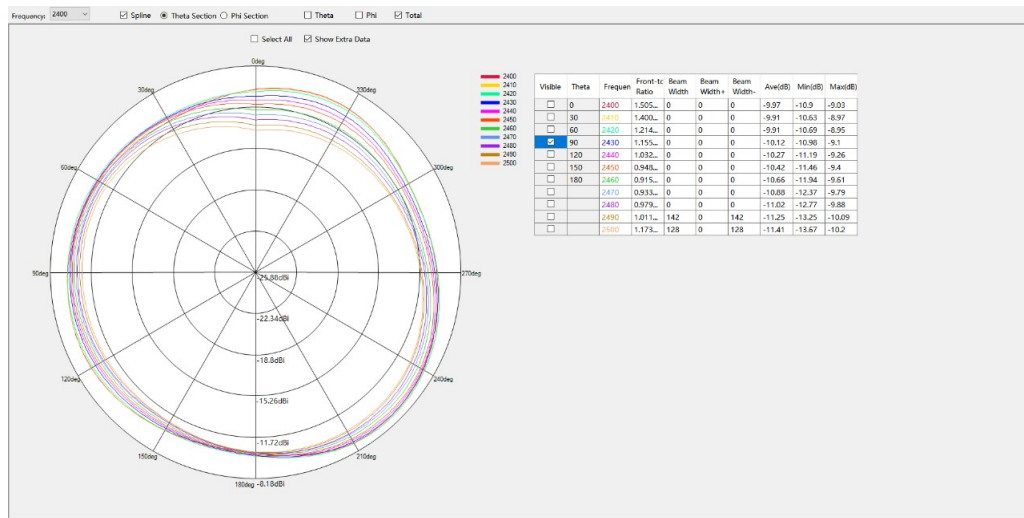
3D Antenna radiation pattern:



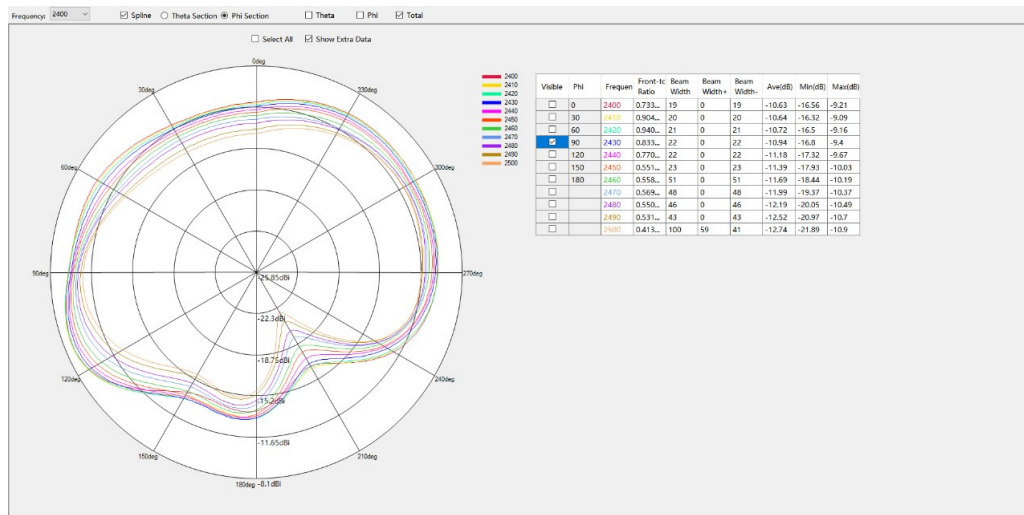


2D Antenna radiation pattern:

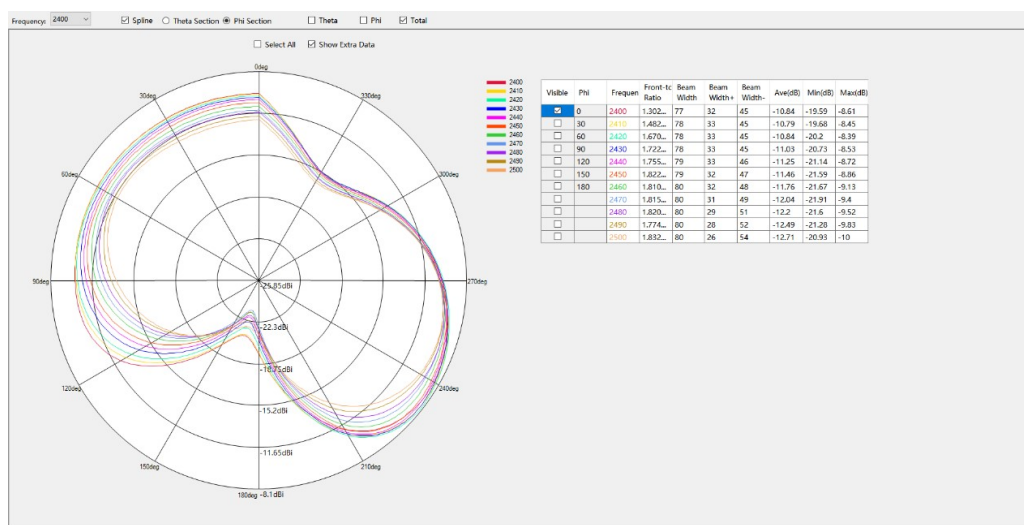
Theta = 90°



Phi=90°



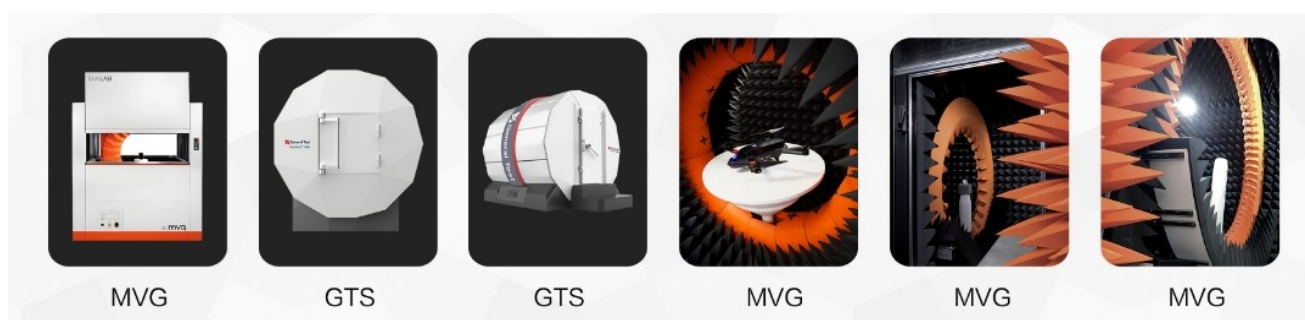
Phi=0°





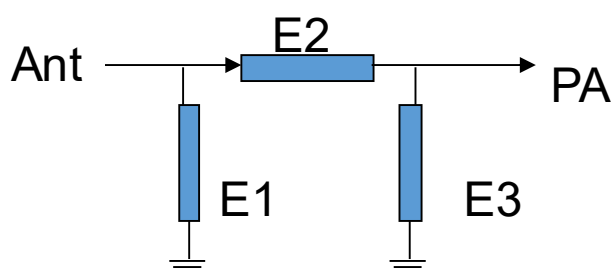
II: Active test data

		free		head model	
	Channel	TRP	TIS	TRP	TIS
R	0	6.5	-89.4	2.3	-84.9
	39	6.5	-88.7	2.3	-84.2
	78	5.8	-87.2	1.9	-83.7



OTA Standard Chamber

III: Antenna matching



Element	Value
E1	N/C
E2	2.7pF
E3	N/C



IV: Antenna structure diagram file

