



Antenna Part Specification

Project name:	B07
Antenna name:	R-BT antenna
Version:	V1.0
Date:	2026.4.23
Manufacturer:	Shenzhen Cicent Communication Technology Co., Ltd.
Manufacturer address:	505-506 ,ABlock,Donglian Building,Chuangye 2 road,Baoan District,Shenzhen,Guangdong,P.R china



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Change record			
Compile / change date	Reason for change	Changed content	Version
2026.4.23	First edition	First edition	V1.0

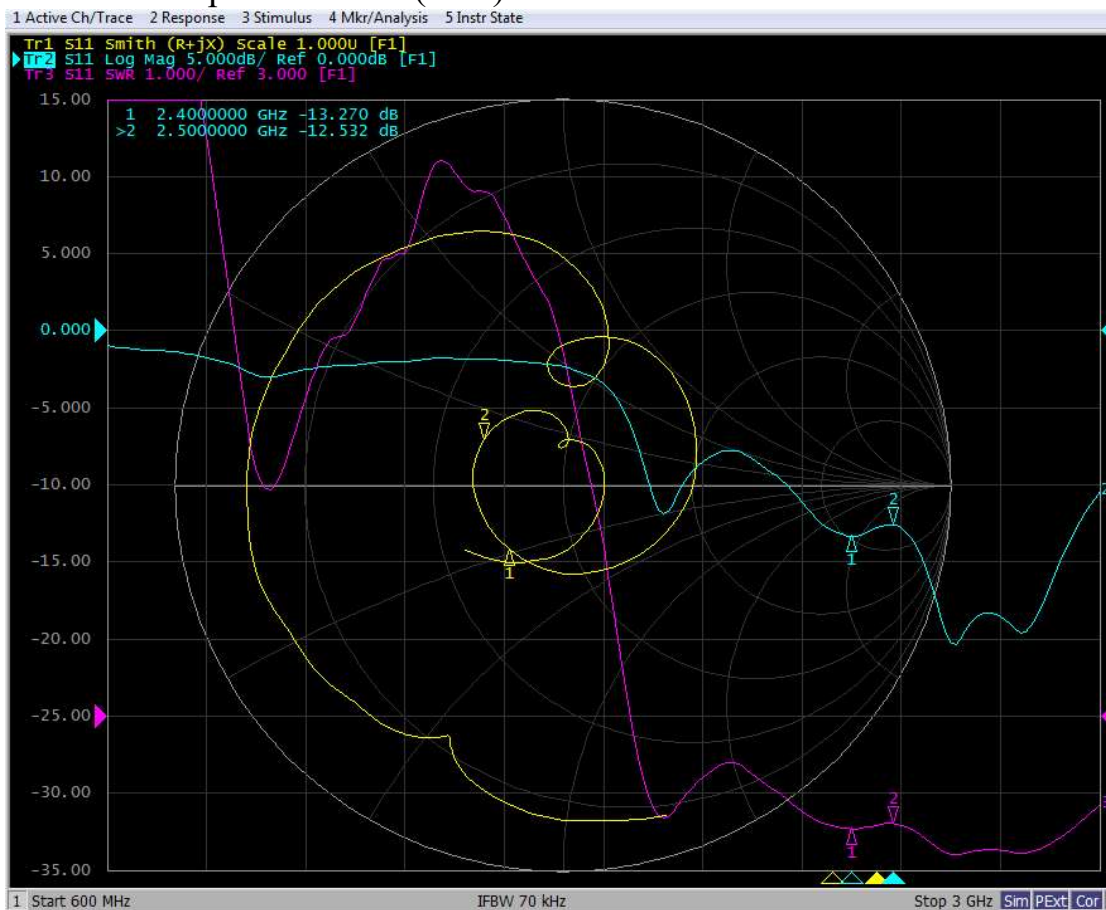


I: The report of passive data



Angilent E5071C

Antenna S11 parameter: (Free)

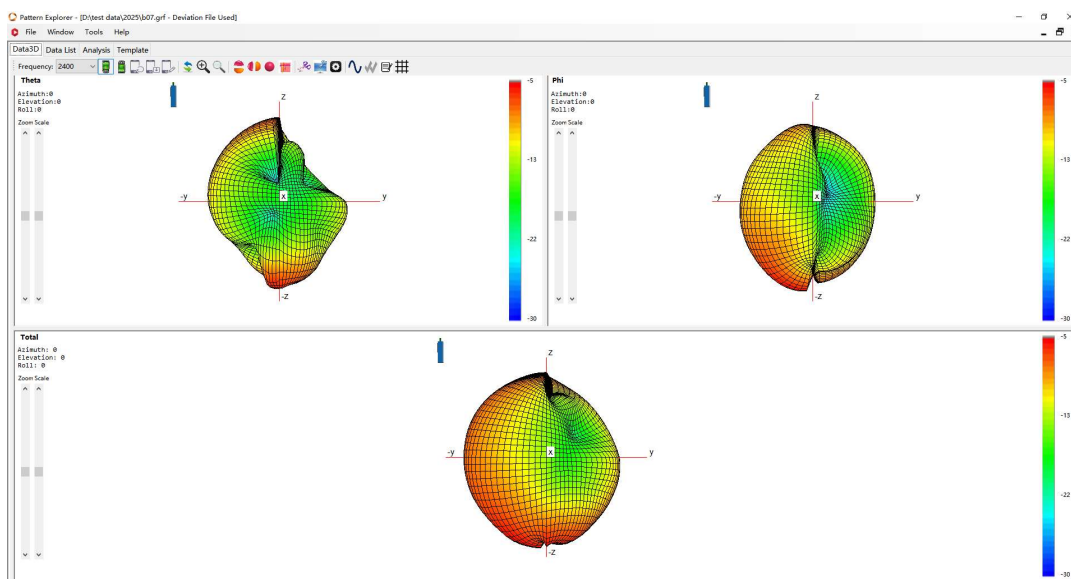




Antenna efficiency and gain: (Free)

R Free			
Frequency	EFF (dB)	GAIN	EFF (%)
2400	-9.13	-5.21	12.22
2410	-8.89	-4.87	12.90
2420	-8.66	-4.55	13.62
2430	-8.53	-4.30	14.04
2440	-8.33	-4.03	14.68
2450	-8.24	-3.81	15.00
2460	-8.20	-3.69	15.15
2470	-8.21	-3.60	15.09
2480	-8.26	-3.59	14.93
2490	-8.36	-3.63	14.60
2500	-8.41	-3.66	14.41

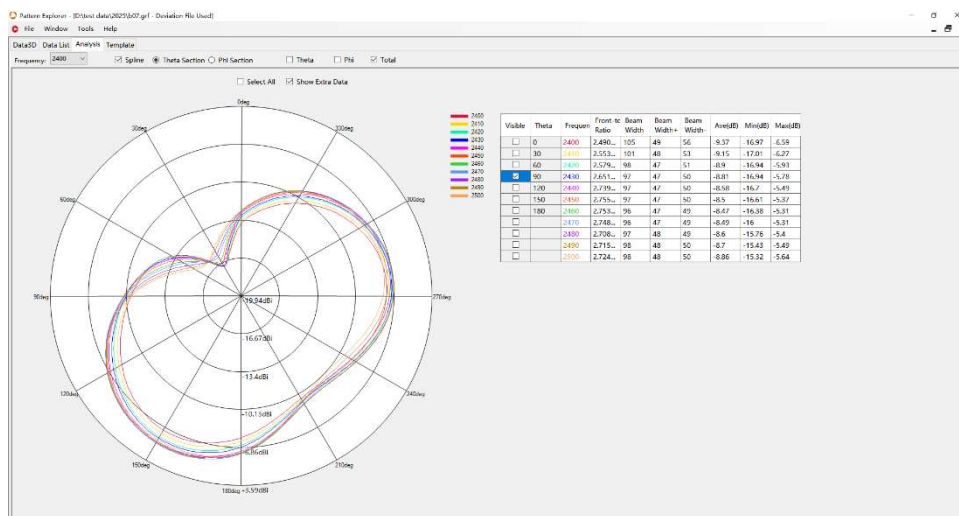
3D Antenna radiation pattern: (Free)



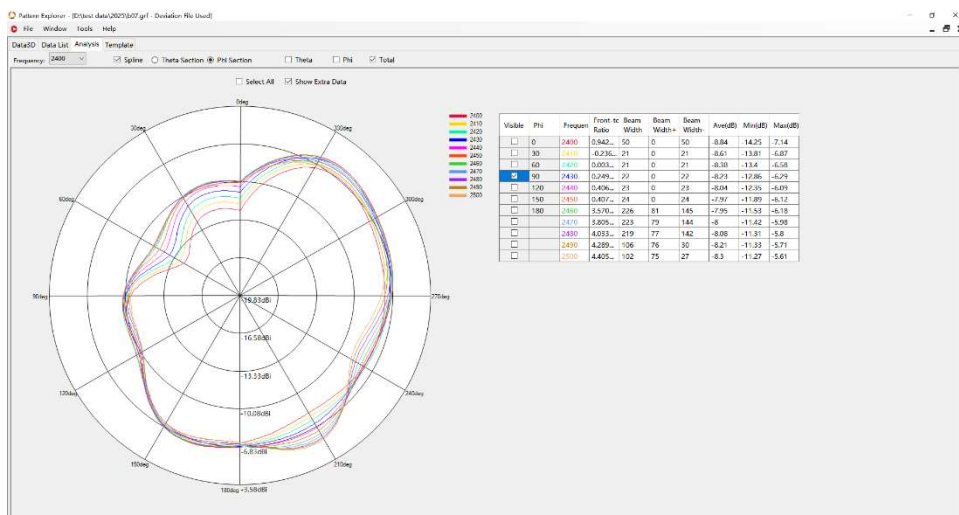


2D Antenna radiation pattern: (Free)

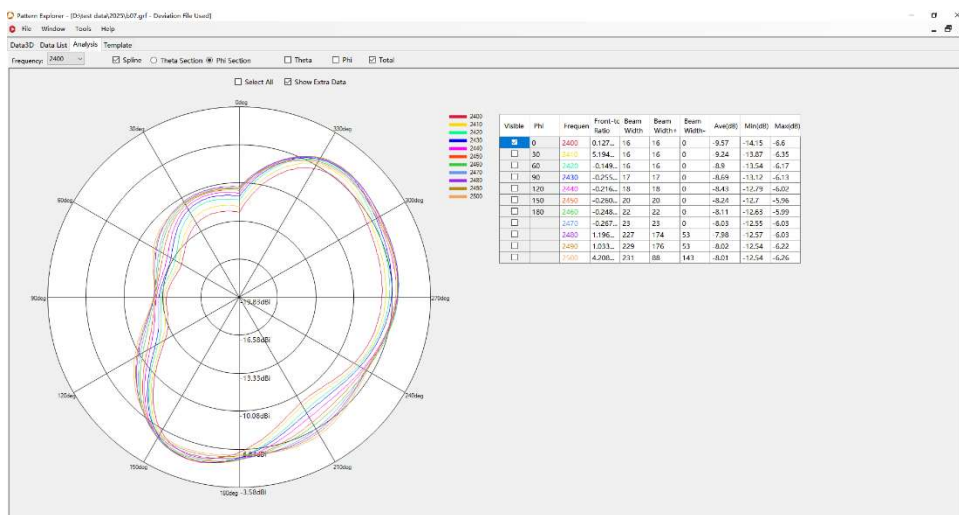
Theta = 90°



Phi=90°



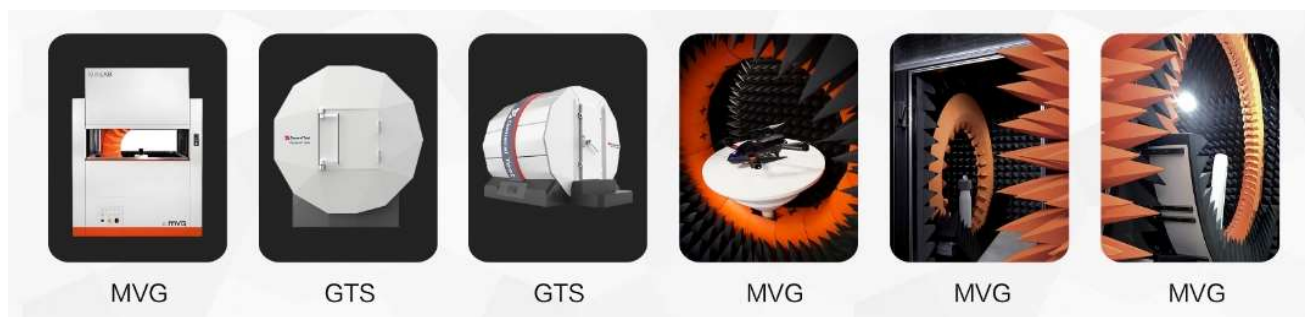
Phi=0°





II: 3D Active test report of antenna

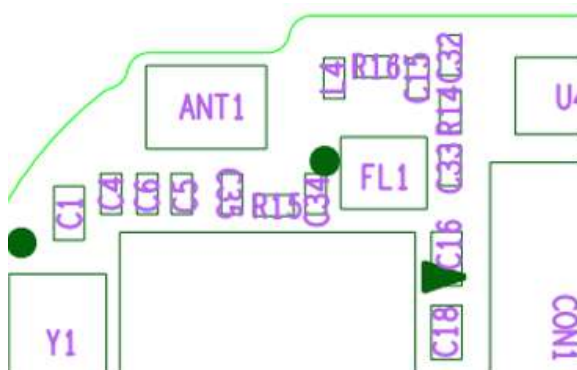
		Free	
	Channel	TRP (dBm)	TIS (dBm)
R	0	5.1	-88.2
	39	5.6	-88.1
	78	4.4	-86.6



OTA Standard Chamber

III: Antenna matching circuit

Element	Value
L4	0.8pF
R16	2nH
C15	N/A





IV: Antenna structure diagram file

