



Antenna Part Specification

Project name:	D1303
Antenna name:	R-BT antenna
Antenna type:	PIFA
Version:	V1.0
Date:	2026.8.7
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
2026.8.7	First edition	First edition	V1.0

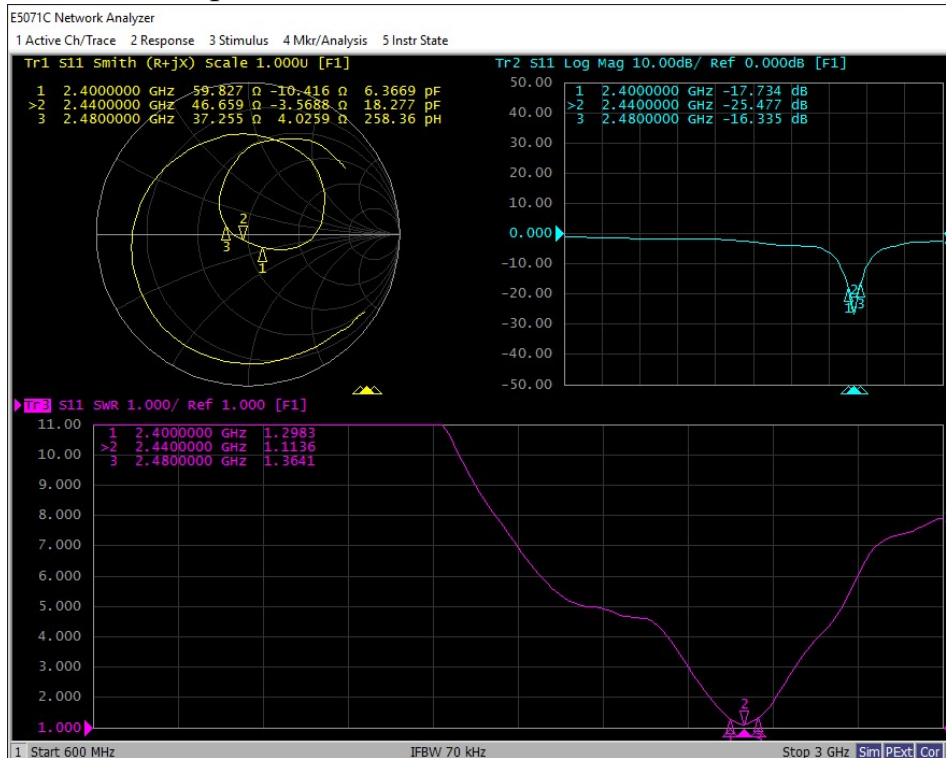


I: The report of passive data



Agilent E5071C

Antenna S11 parameter:

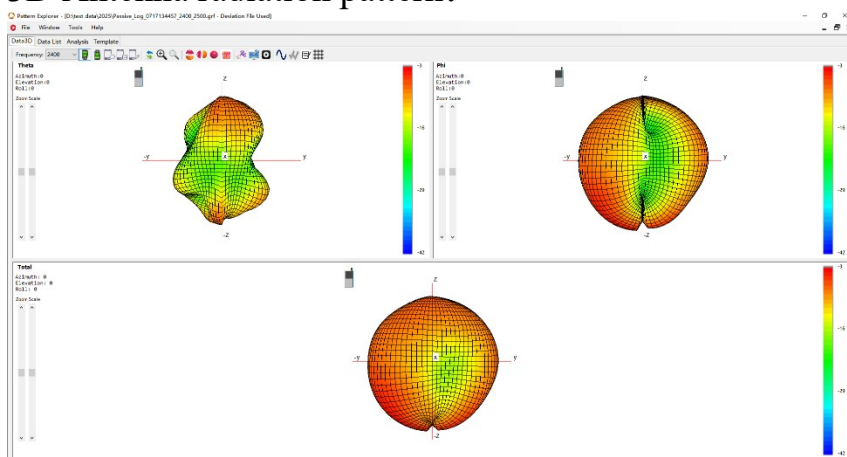




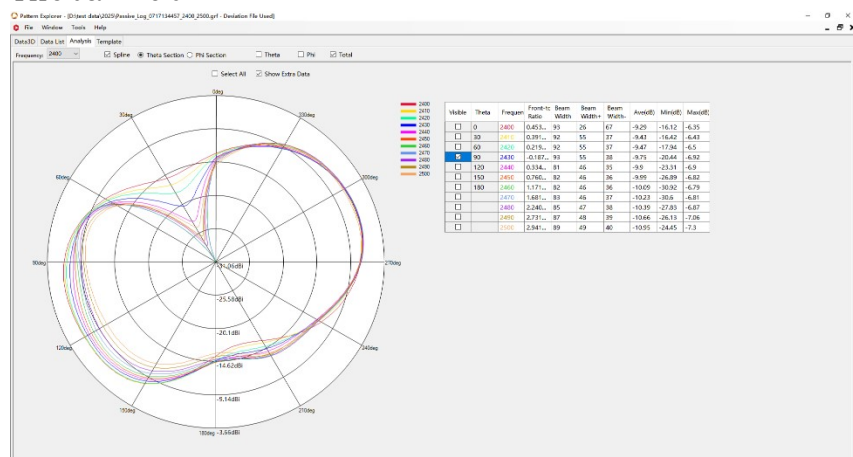
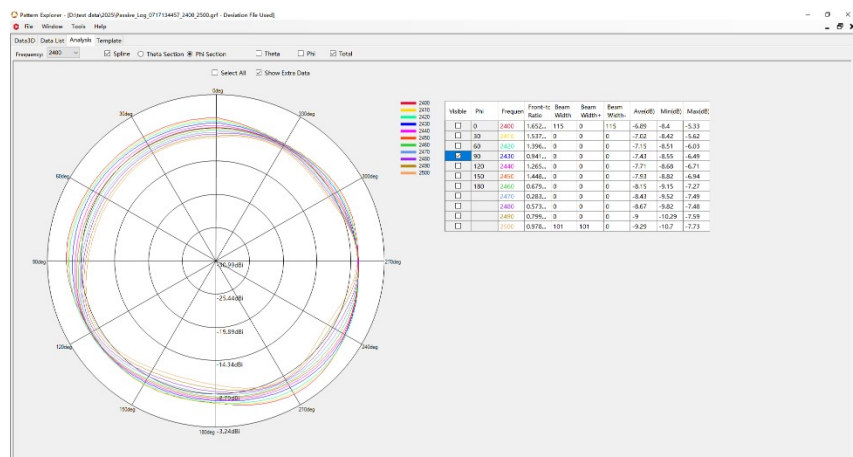
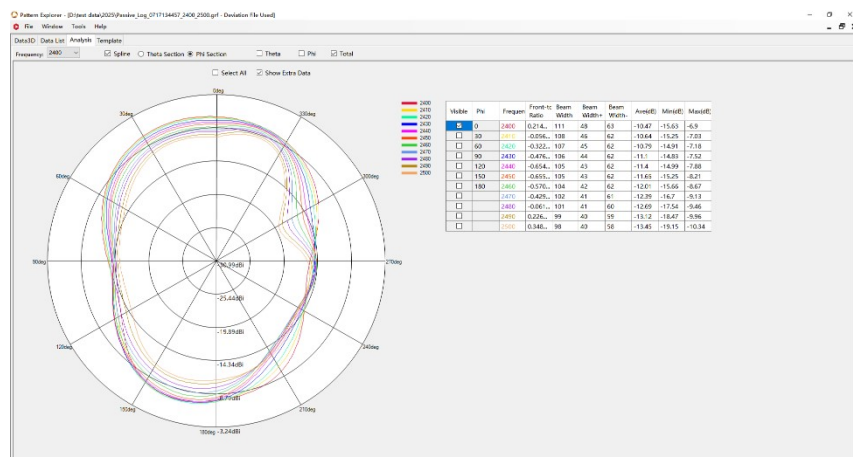
Antenna efficiency and gain:

R free			
Frequency (MHz)	Efficiency (dB)	Gain (dBi)	Efficiency (%)
2400	-10.1	-5.2	9.8
2410	-9.8		10.5
2420	-9.5		11.3
2430	-9.2		12.0
2440	-9.0		12.6
2450	-8.8		13.3
2460	-8.5		14.1
2470	-8.4		14.4
2480	-8.3		14.7
average	-9.1	-5.2	12.5

3D Antenna radiation pattern:



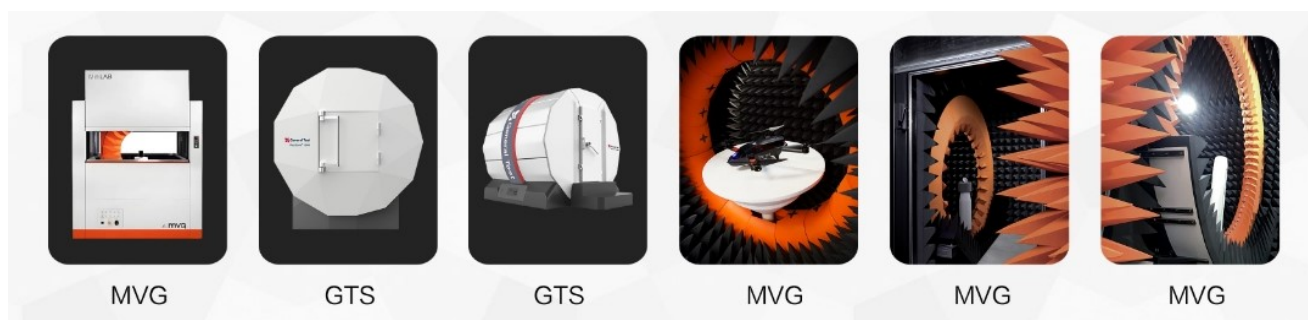
2D Antenna radiation pattern:

$$\text{Theta} = 90^\circ$$
 $\Phi=90^\circ$  $\Phi=0^\circ$ 



II: Active test data

		free		head model	
	Channel	TRP	TIS	TRP	TIS
R	0	4.7	-90.8	-2.2	-84.6
	39	4.8	-91.4	-1.6	-85.4
	78	5.0	-91.2	-1.8	-84.4



OTA Standard Chamber

IV: Antenna structure diagram file

