



Antenna Part Specification

Project name:	CE-2256N
Antenna name:	R-BT antenna
Antenna type:	PIFA
Version:	V1.0
Date:	2026.01.29
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: 3D Active test report of antenna	6
III: Antenna matching circuit	6
IV: Antenna structure diagram file	7

Change record			
Compile / change date	Reason for change	Changed content	Version
2026.01.29	First edition	First edition	V1.0

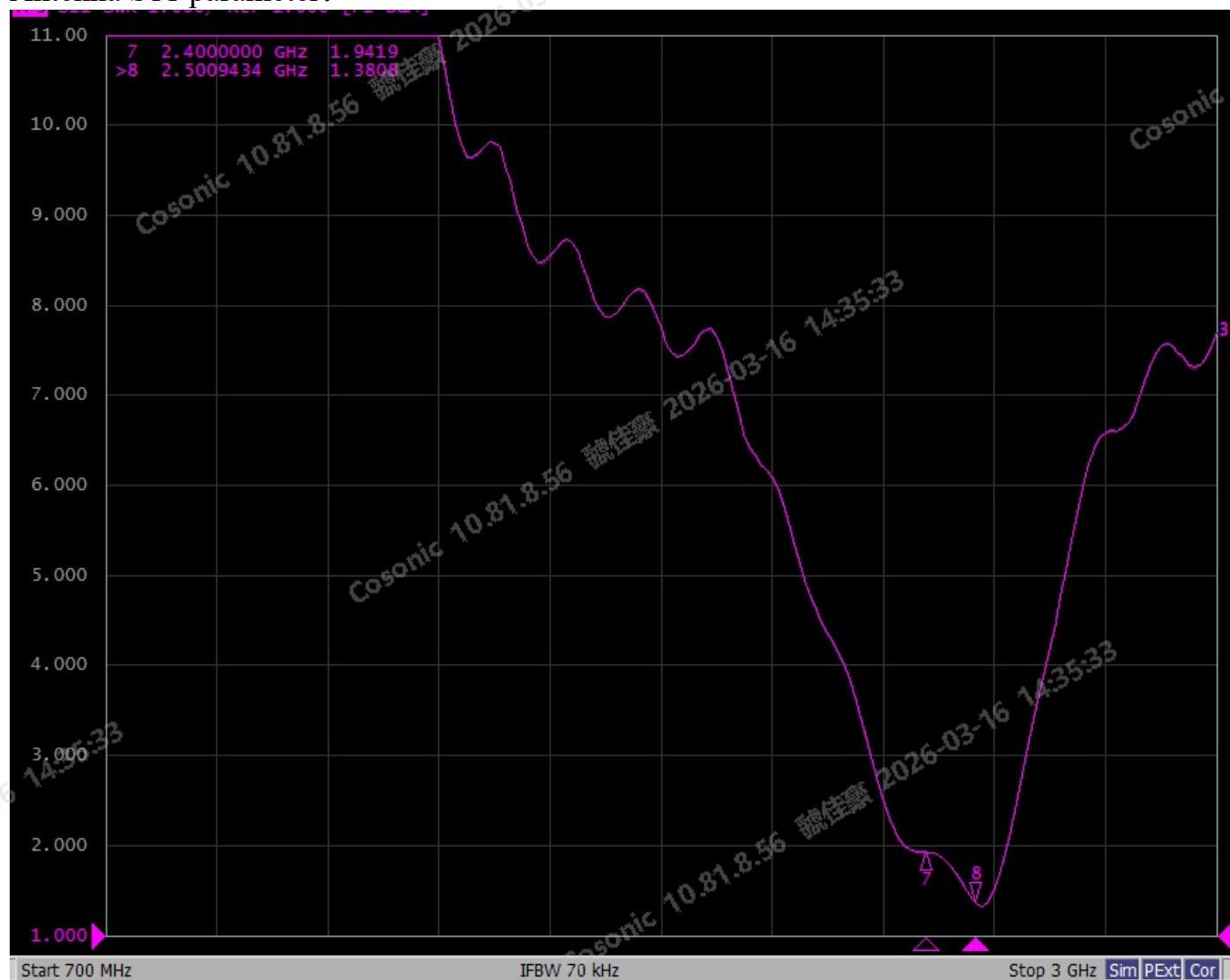


I: The report of passive data



Angilent E5071C

Antenna S11 parameter:

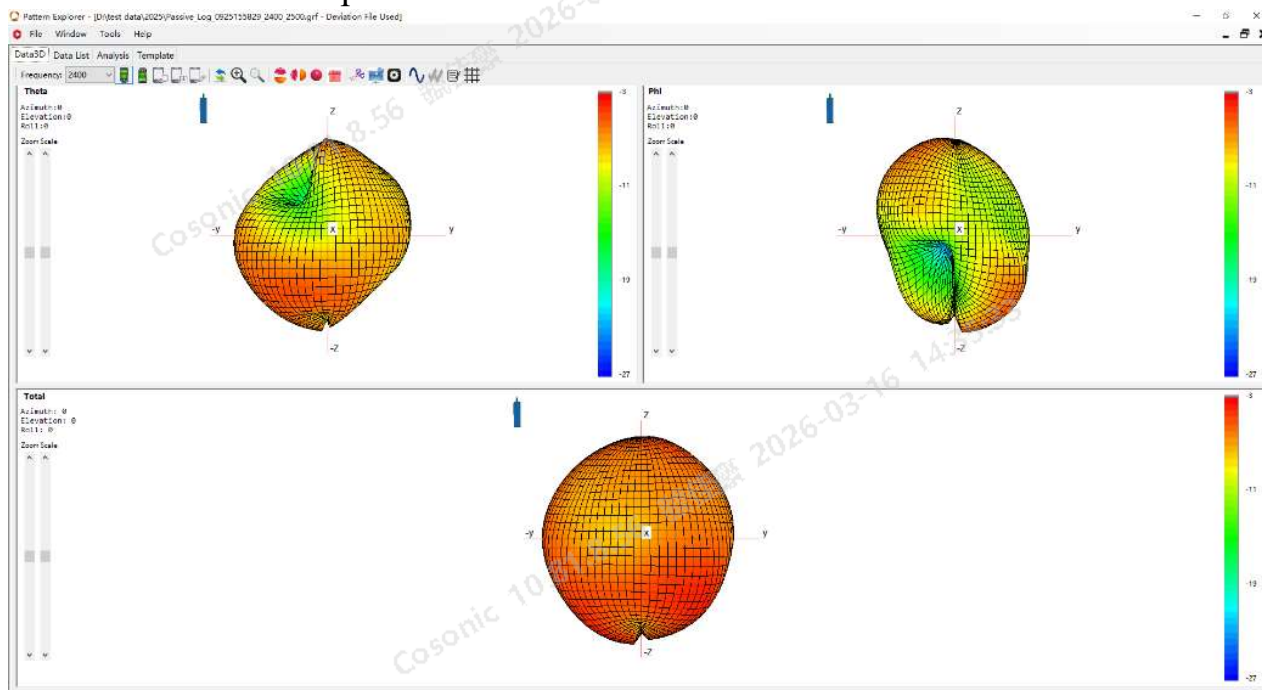




Antenna efficiency and gain:

Frequency (MHz)	Efficiency (dB)	Gain (dBi)	Efficiency (%)
2400	-6.1	-3.7	24.5
2410	-5.6	-3.2	27.4
2420	-5.2	-2.8	30.0
2430	-5.0	-2.6	31.7
2440	-4.9	-2.5	32.6
2450	-4.9	-2.4	32.7
2460	-5.0	-2.6	31.8
2470	-5.2	-2.8	30.1
2480	-5.5	-3.2	27.9
average	-5.3	-2.9	29.8

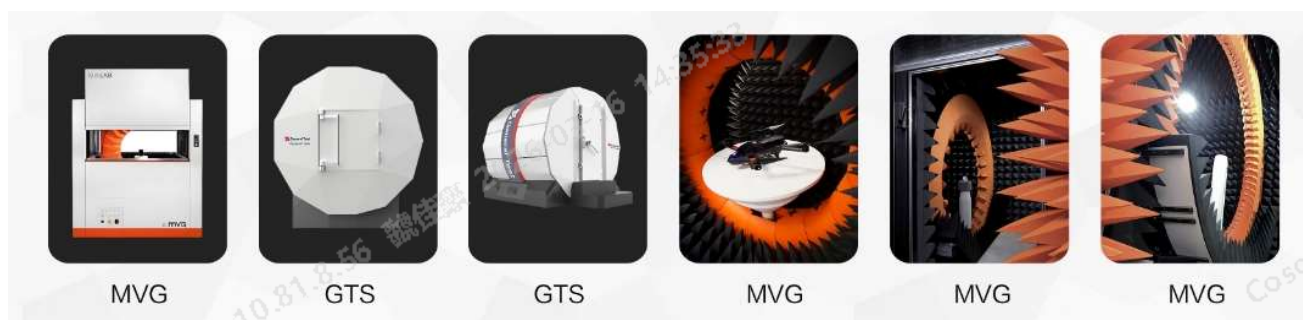
3D Antenna radiation pattern:





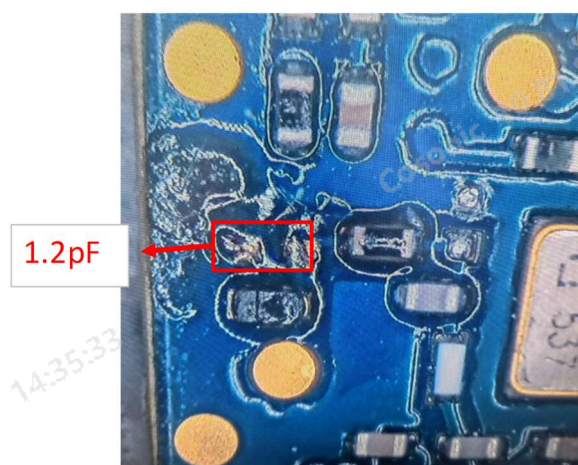
II: 3D Active test report of antenna

		free		head model	
	Channel	TRP (dBm)	TIS (dBm)	TRP (dBm)	TIS (dBm)
R	CH 0	10.7	-91.7	2.6	-84.4
	CH 39	11.2	-91.7	3.6	-84.2
	CH 78	11.6	-91.4	3.3	-83.6



OTA Standard Chamber

III: Antenna matching circuit



Element	Value
C1	1.2pF
C2	0Ω
C3	N/A



IV: Antenna structure diagram file

