



Antenna Part Specification

Project name:	D0073S
Antenna name:	BT antenna
Version:	V3.0
Date:	2026.6.30
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
2026.01.29	First edition	First edition	V1.0
2026.4.13	DVT2 Antenna	Data update	V2.0
2026.6.30	Mass production of antennas	Mass production of antennas	V3.0



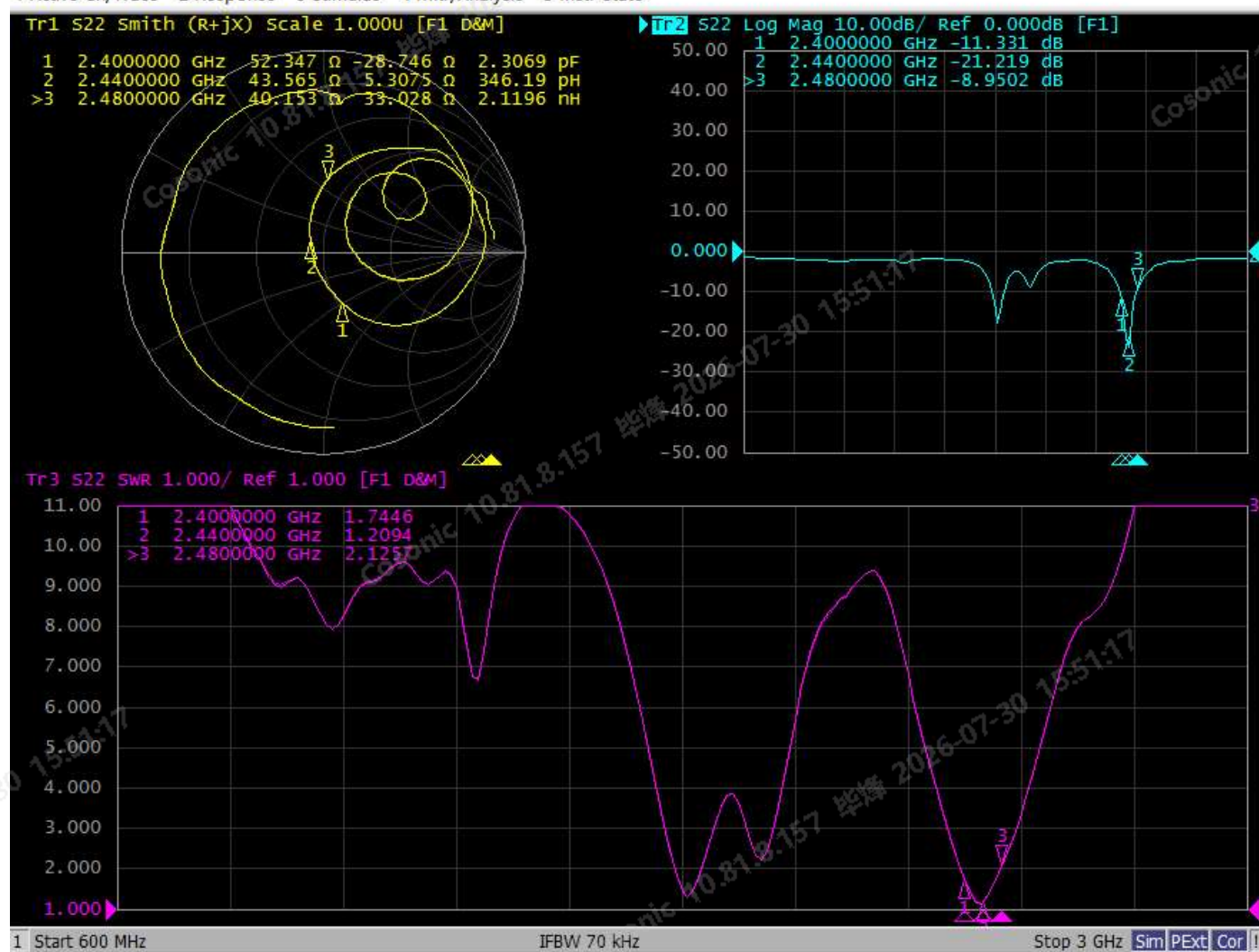
I: The report of passive data



Agilent E5071C

Antenna S11 parameter:

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

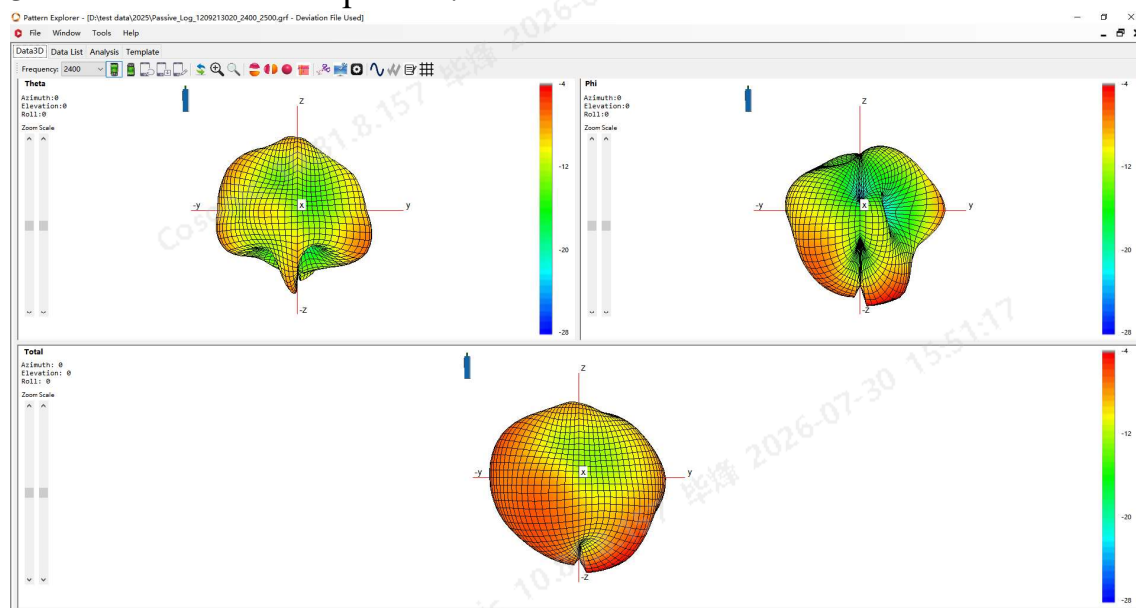




Antenna efficiency and gain:

2400-2480MHz			
Frequency (MHz)	Efficiency (dB)	Gain (dBi)	Efficiency (%)
2400	-8.6	-3.6	13.8
2410	-8.5	-3.7	14.2
2420	-8.2	-3.4	15.0
2430	-8.1	-3.2	15.5
2440	-8.0	-2.9	15.8
2450	-8.0	-2.8	15.8
2460	-8.2	-2.9	15.1
2470	-8.3	-3.3	14.9
2480	-8.4	-2.9	14.5
average	-8.3	-3.2	14.9

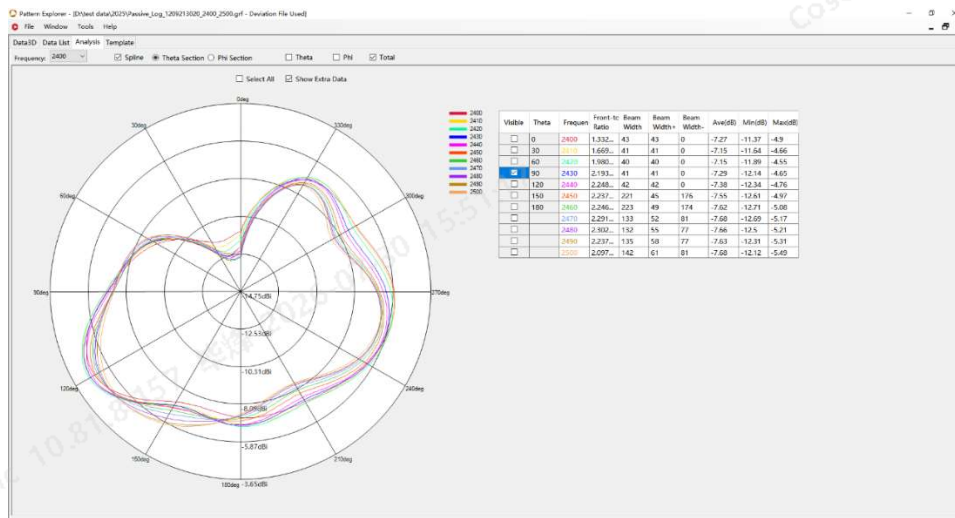
3D Antenna radiation pattern:



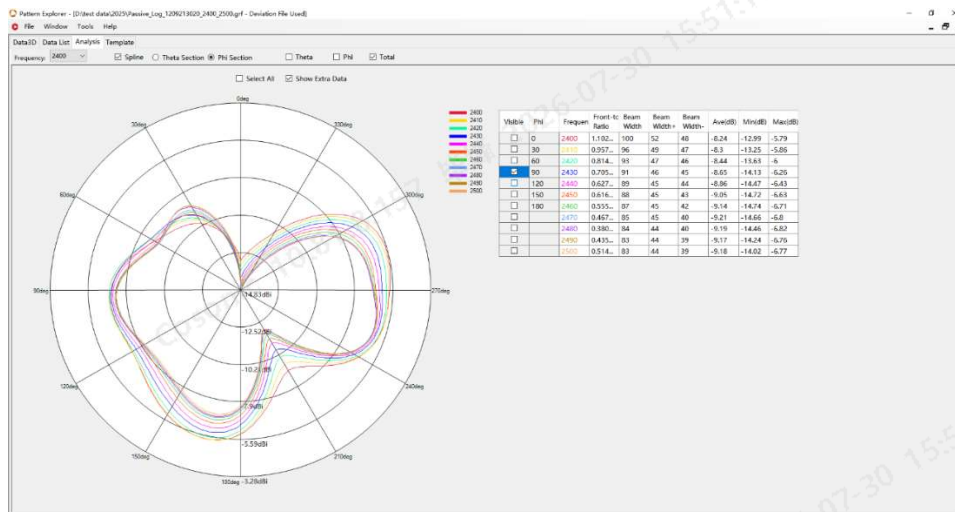


2D Antenna radiation pattern:

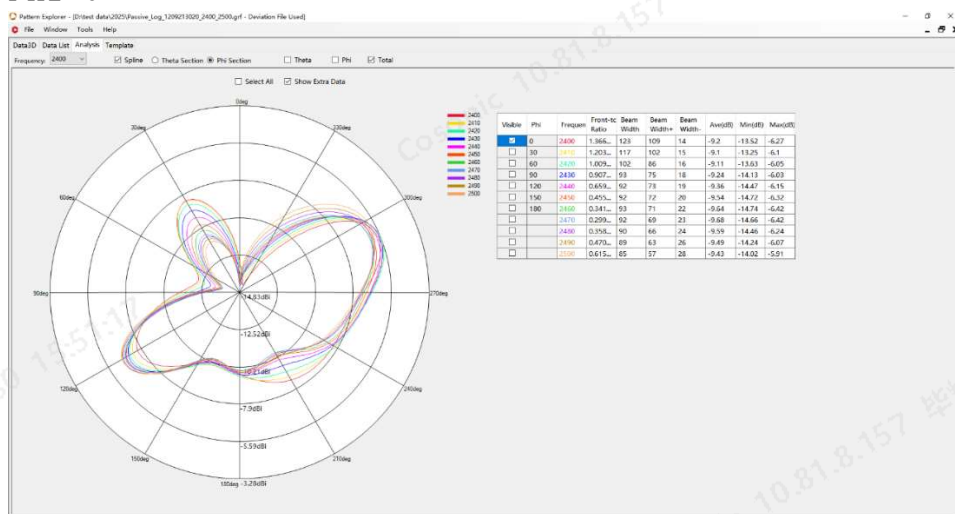
Theta = 90°



Phi=90°



Phi=0°

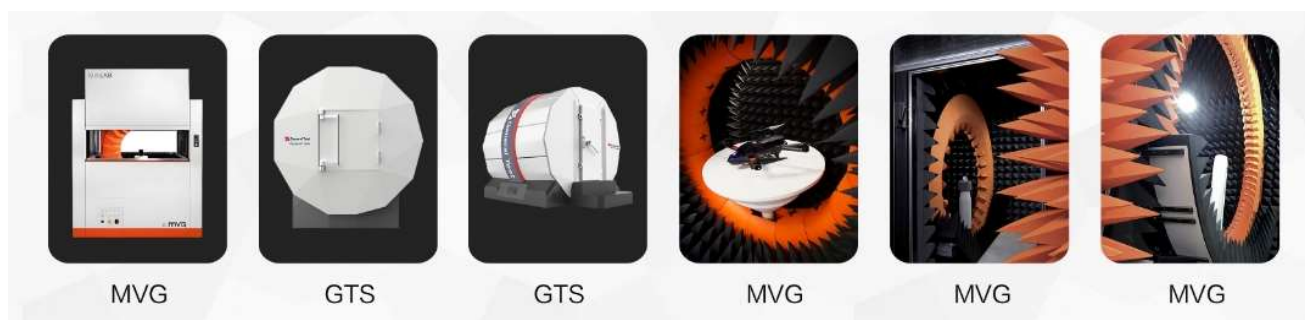




II: Antenna active testing data

conduction	Channel	power (dBm)	sensitivity (dBm)
BT	CH 0	13.0	-98.5
	CH 39	13.0	-98.5
	CH 78	13.0	-98.0

		free		head model	
	Channel	TRP	TIS	TRP	TIS
BT	CH 0	7.5	-91.2	-2.1	-82.8
	CH 39	7.3	-91.9	-1.9	-83.4
	CH 78	6.1	-90.7	-2.7	-82.2
	AVG	7.0	-91.2	-2.2	-82.8



OTA Standard Chamber