



Antenna Part Specification

Customer:	Luxshare-ICT
Project name:	W01
Antenna name:	BT antenna
Antenna type:	PCB ANT
Tester:	Xu Junjie
Version:	V2.0
Date:	2025.6.13
Test Lab:	Shenzhen Cicent Communication Technology Co., Ltd.
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
2025.05.09	First edition	First edition	V1.0
2025.06.13	Antenna update	Data modification	V2.0



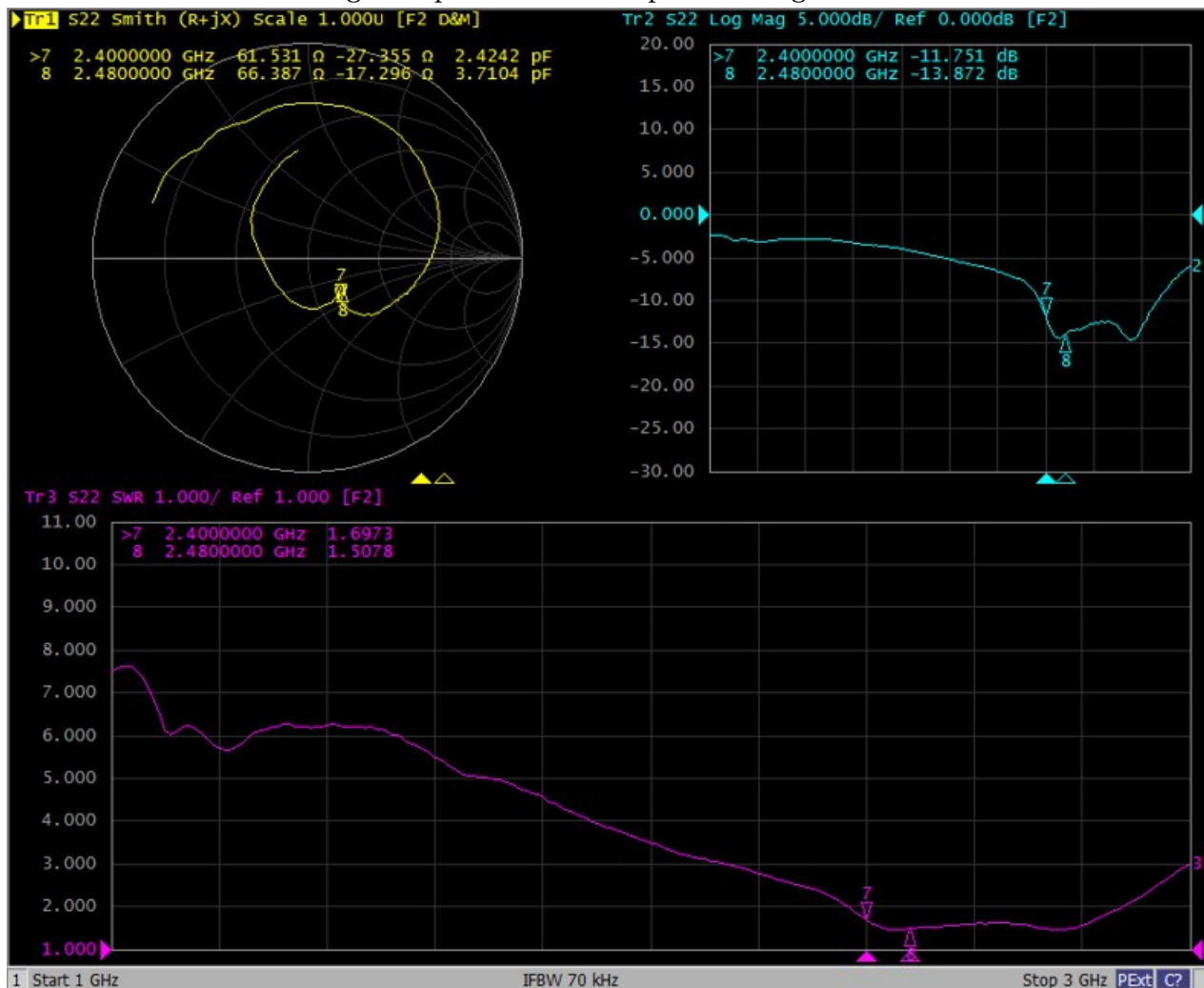
I: The report of passive data



Agilent E5071C

antenna S11 parameter:

V5 antenna -Matching is parallel 0.5pF string 4.3nH





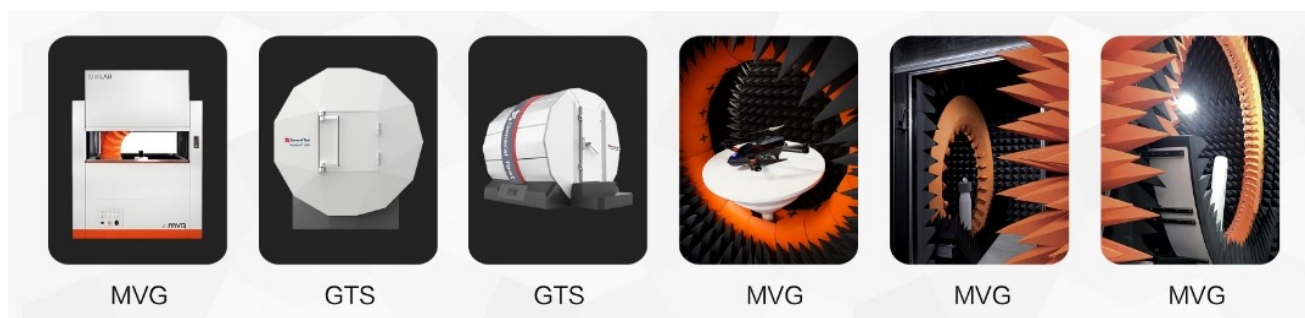
Antenna efficiency and gain:

Free			
Frequency (MHz)	Gain (dB)	Efficiency (dB)	Efficiency (%)
2400	-9.16	-12.77	5.28
2410	-8.79	-12.59	5.51
2420	-8.44	-12.39	5.76
2430	-8.34	-12.35	5.81
2440	-8.12	-12.26	5.94
2450	-7.96	-12.16	6.08
2460	-7.86	-12.14	6.11
2470	-7.80	-12.13	6.13
2480	-7.84	-12.16	6.08
2490	-7.90	-12.27	5.92
2500	-7.97	-12.32	5.86
AVG	-8.20	-12.32	5.86

II: 3D Active test report of antenna

Free			
	Channel	TRP	TIS
L	CH 0	-0.2	-86.9
	CH 39	0.0	-86.8
	CH 78	0.8	-87.5
	AVG	0.2	-87.1

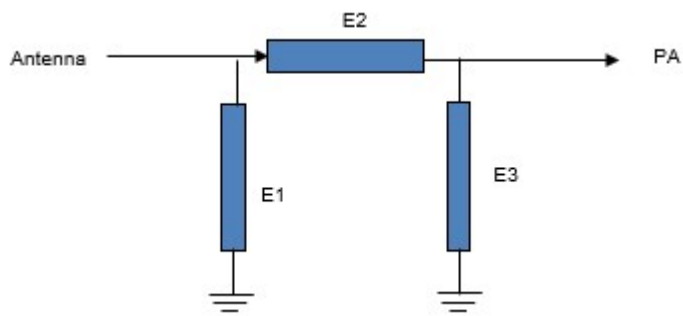
Free			
	Channel	TRP	TIS
R	CH 0	-0.4	-87.9
	CH 39	-1.1	-86.8
	CH 78	-1.4	-85.9
	AVG	-0.9	-86.9



OTA Standard Chamber



III: Antenna matching



R	
number	value
E1	0.5PF
E2	4.3NH
E3	N/A



IV: Antenna structure diagram file

