



Antenna Part Specification

Project name:	GW122 dongle
Antenna material:	FPC antenna
Antenna type:	Monopole antenna
Version:	V1.0
Date:	2024.01.30
Supplier:	Shenzhen Cicent Communication Technology Co., Ltd.
Supplier Address:	505-506 ,A Block,Donglian Building,Chuangye 2 road,Baoan District,Shenzhen,Guangdong,P.R china
PN:	102BK3F1638



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Change record			
Compile / change date	Reason for change	Changed content	Version
2024.01.30	First edition	First edition	V1.0

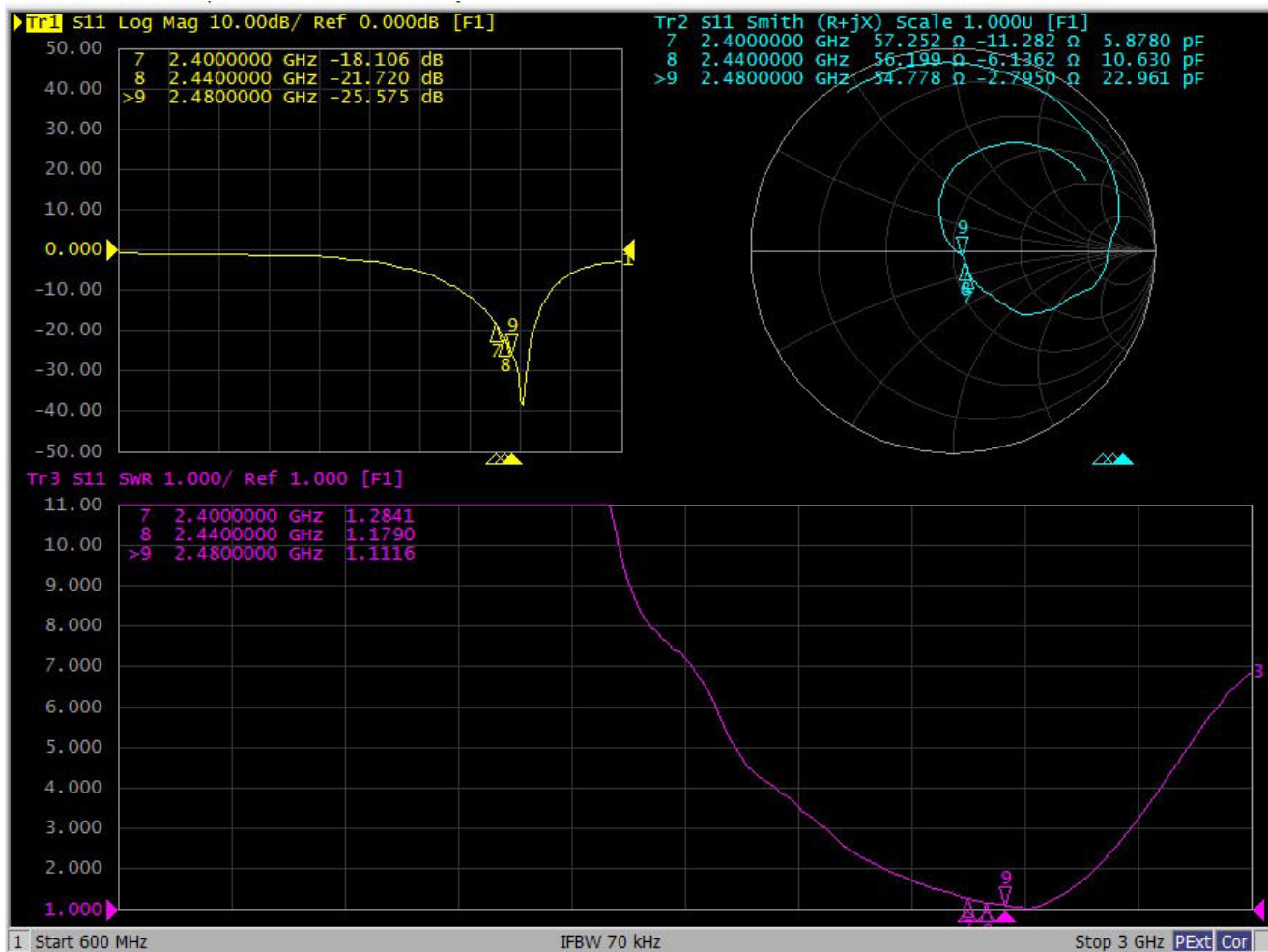


I: The report of passive data



Angilent E5071C

VSWR(S11) parameter:



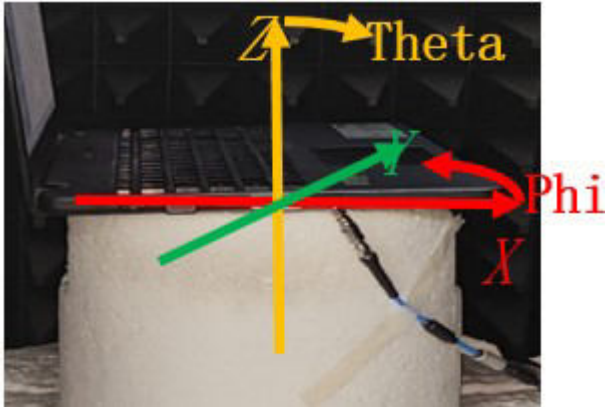


Efficiency:

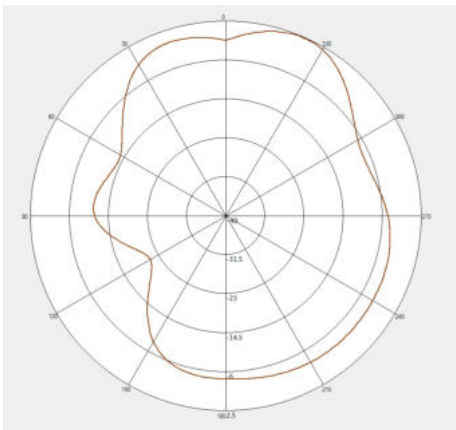
BT			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency
2400	1.98	-3.38	45.89
2410	2.04	-3.33	46.41
2420	2.19	-3.28	47.04
2430	2.21	-3.38	45.96
2440	2.10	-3.51	44.54
2450	2.18	-3.40	45.69
2460	2.14	-3.49	44.73
2470	2.52	-3.22	47.60
2480	2.85	-2.99	50.18
2490	2.70	-3.20	47.91
2500	2.65	-3.28	46.97
Average value	2.32	-3.32	46.63



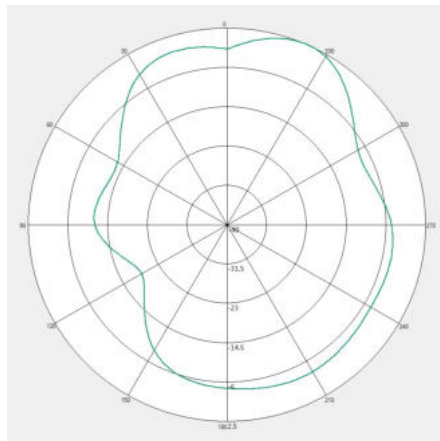
Mark the relative position of DUT XYZ



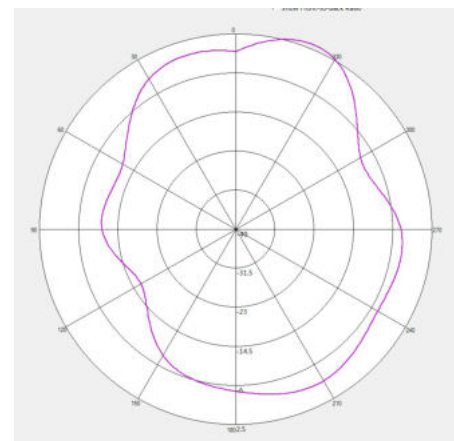
2D



2400MHz

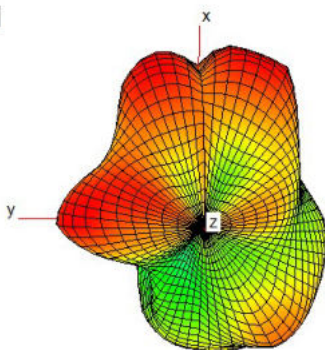


2440MHz

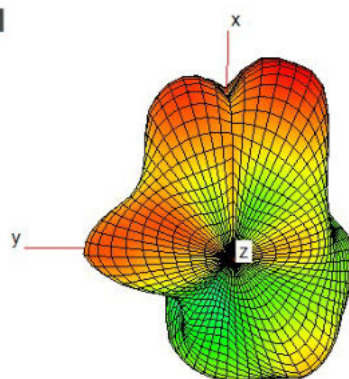


2480MHz

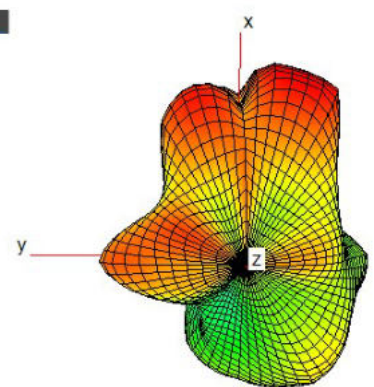
3D



2400MHz



2440MHz

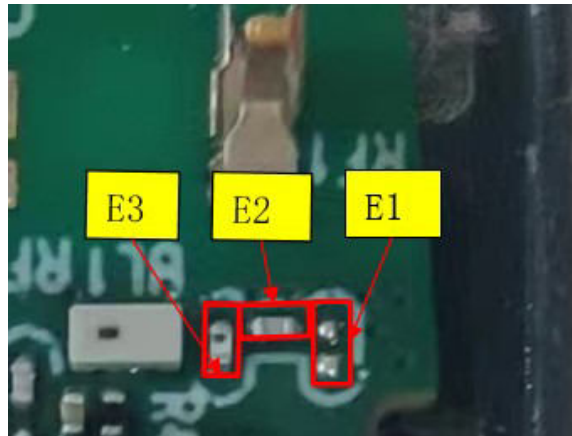


2480MHz



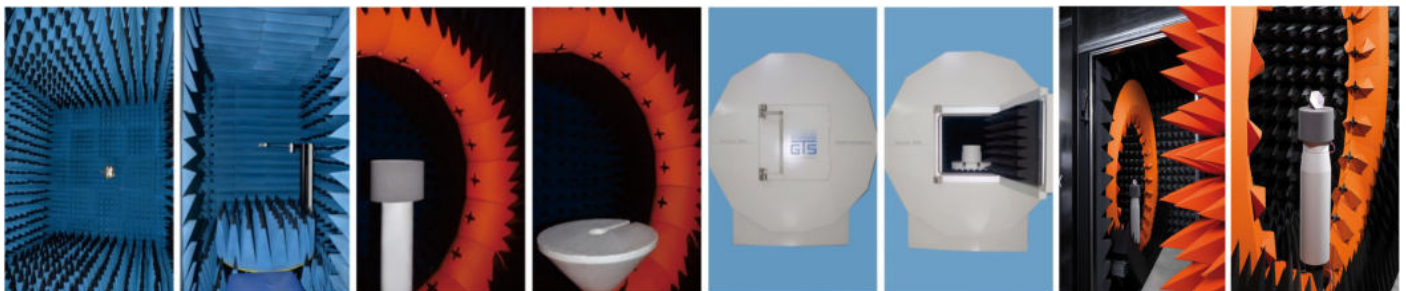
II: Matching circuit

Location	Value
E1	N/A
E2	1.5pF
E3	4.7nH



III: 3D Active test report of antenna

	Channel	TRP (dBm)	TIS (dBm)
BT	CH 0	4.6	-84.8
	CH 39	5.2	-86.7
	CH 78	5.4	-86.8



OTA Standard Chamber

IV: Structure file

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