



Antenna Part Specification

Project name:	BTE-671 Dongle
Material category:	BT antenna
Version:	V1.0
Date:	2023.06.20



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Change record			
Compile / change date	Reason for change	Changed content	Version

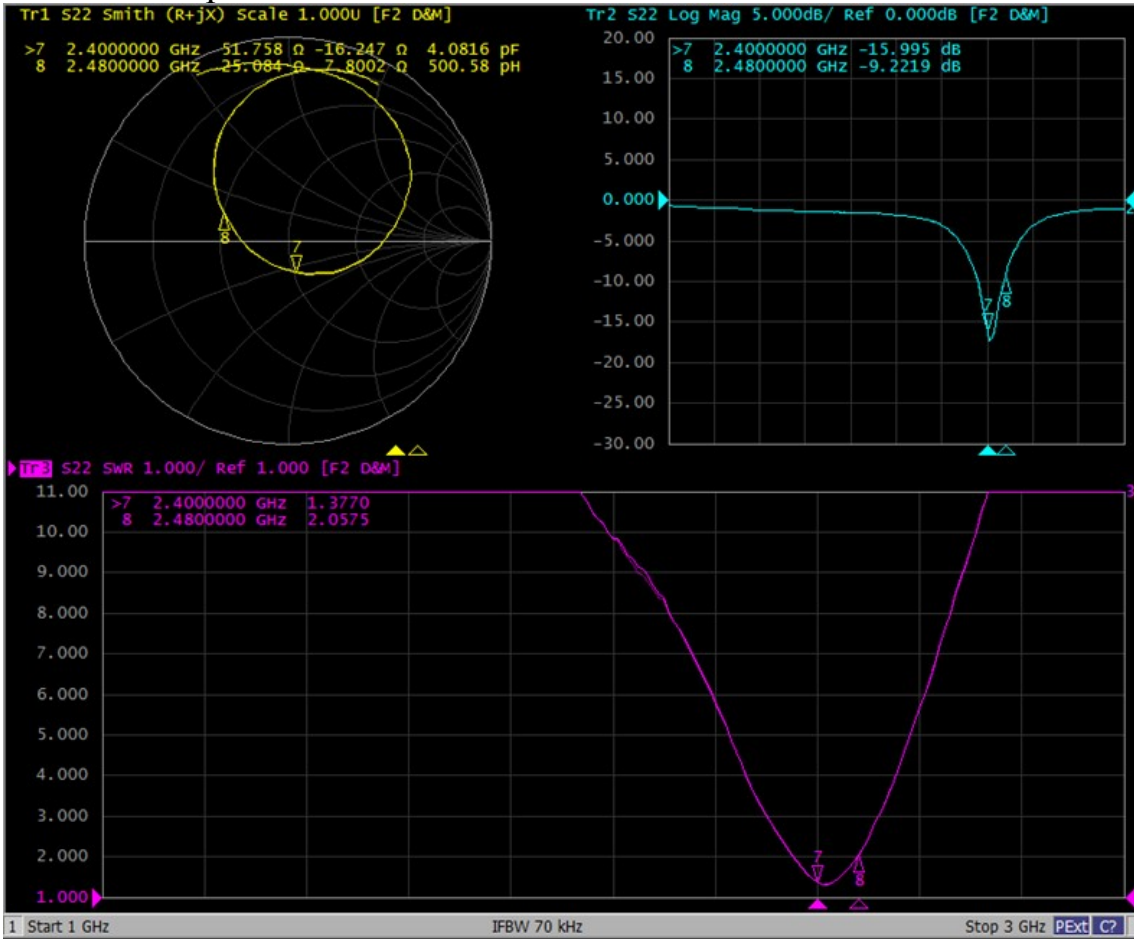


I: The report of passive data



Angilent E5071C

Antenna S11 parameter test situation

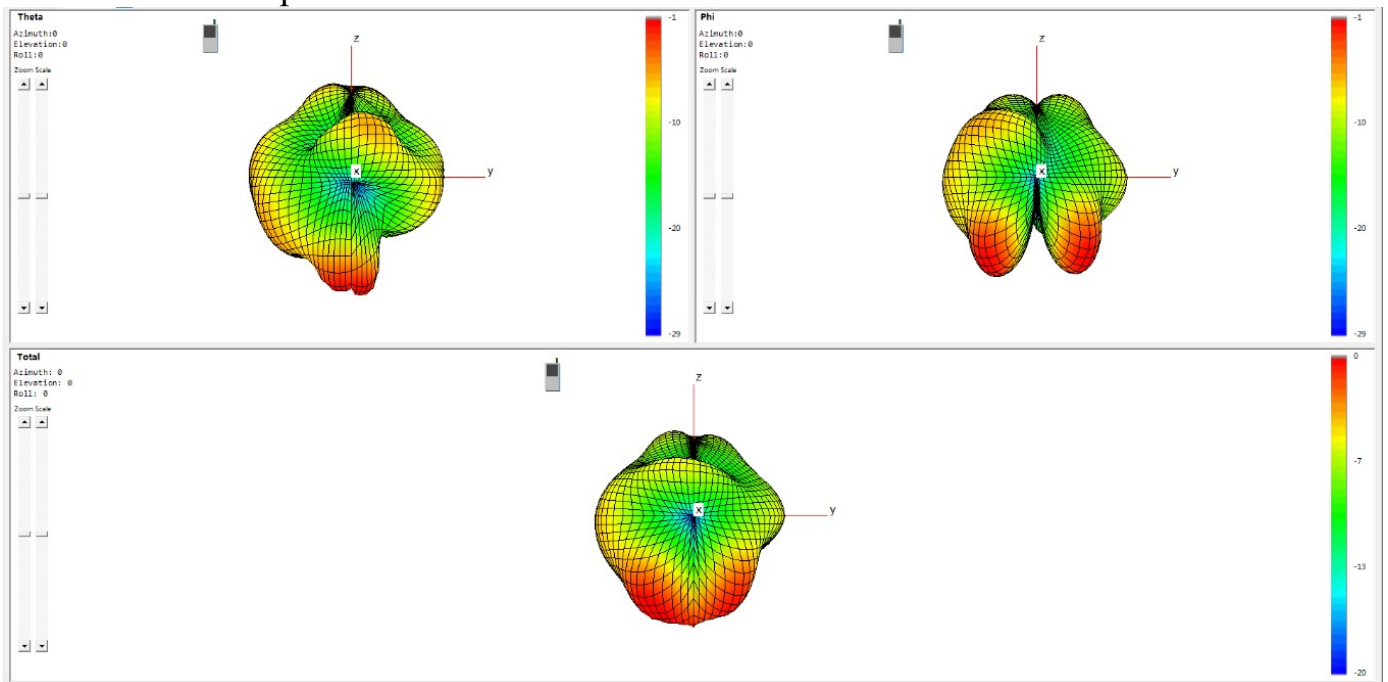




Efficiency:

2400-2480 MHz			
Frequency (MHz)	Efficiency	Efficiency (dB)	Gain (dBi)
2400	25%	-6.0	-0.5
2410	25%	-6.0	-0.6
2420	25%	-6.0	-0.7
2430	24%	-6.2	-1.0
2440	23%	-6.4	-1.3
2450	23%	-6.4	-1.4
2460	22%	-6.6	-1.7
2470	23%	-6.4	-1.6
2480	23%	-6.3	-1.5
Average value	24%	-6.3	-1.1

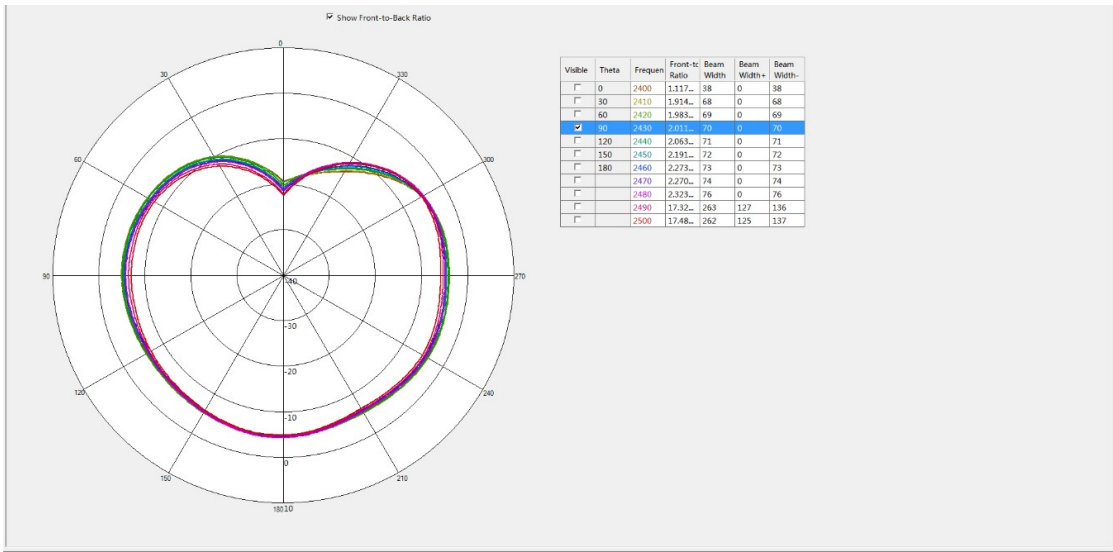
Antenna radiation pattern 3D :



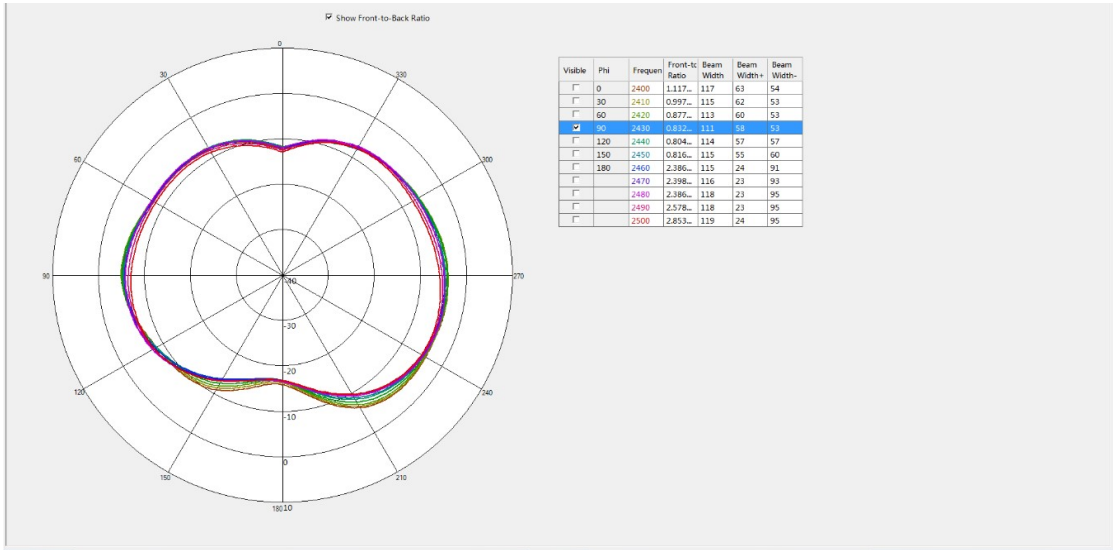


Antenna radiation pattern:

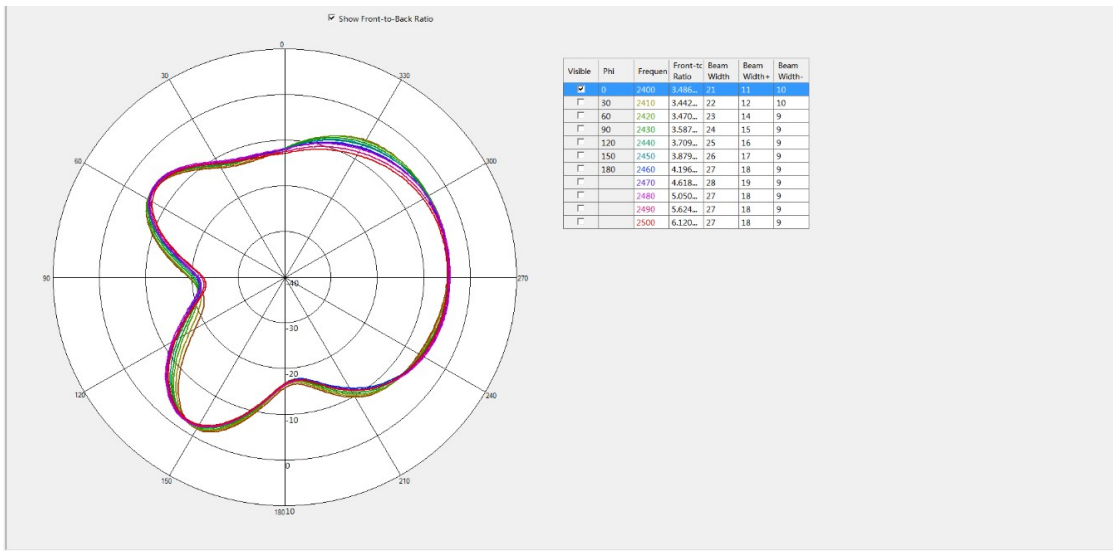
Theta=90°



Phi=90°



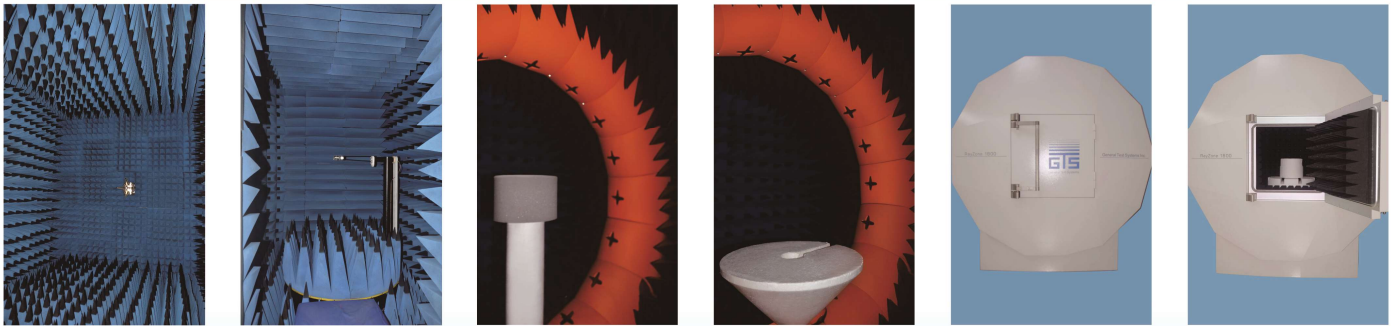
Phi=0°





II: 3D Active test report of antenna

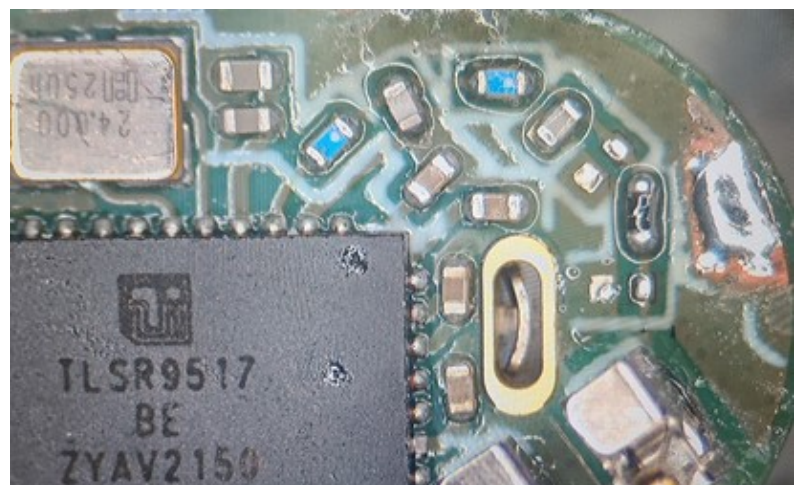
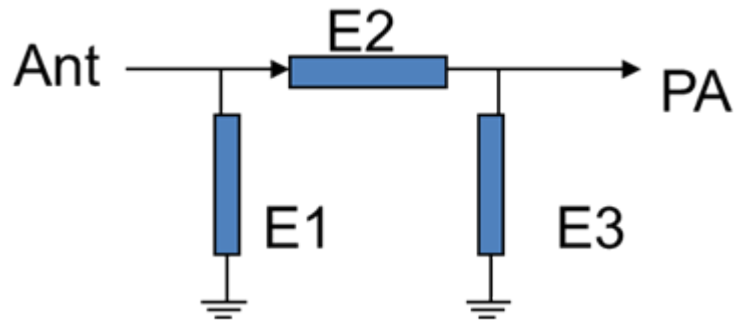
	Channel	TRP (dBm)	TIS (dBm)
BT	CH 0	4.6	-84.7
	CH 39	5.3	-85.5
	CH 78	5.1	-86.2



OTA Standard Chamber

III: Matching circuit

Element	Value
E1	N/A
E2	0Ω
E3	N/A





IV: Structure file

