



# Antenna Part Specification

Project name:	BTE-671
Material category:	BT antenna
Version:	V4.0
Date:	2023.06.20



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

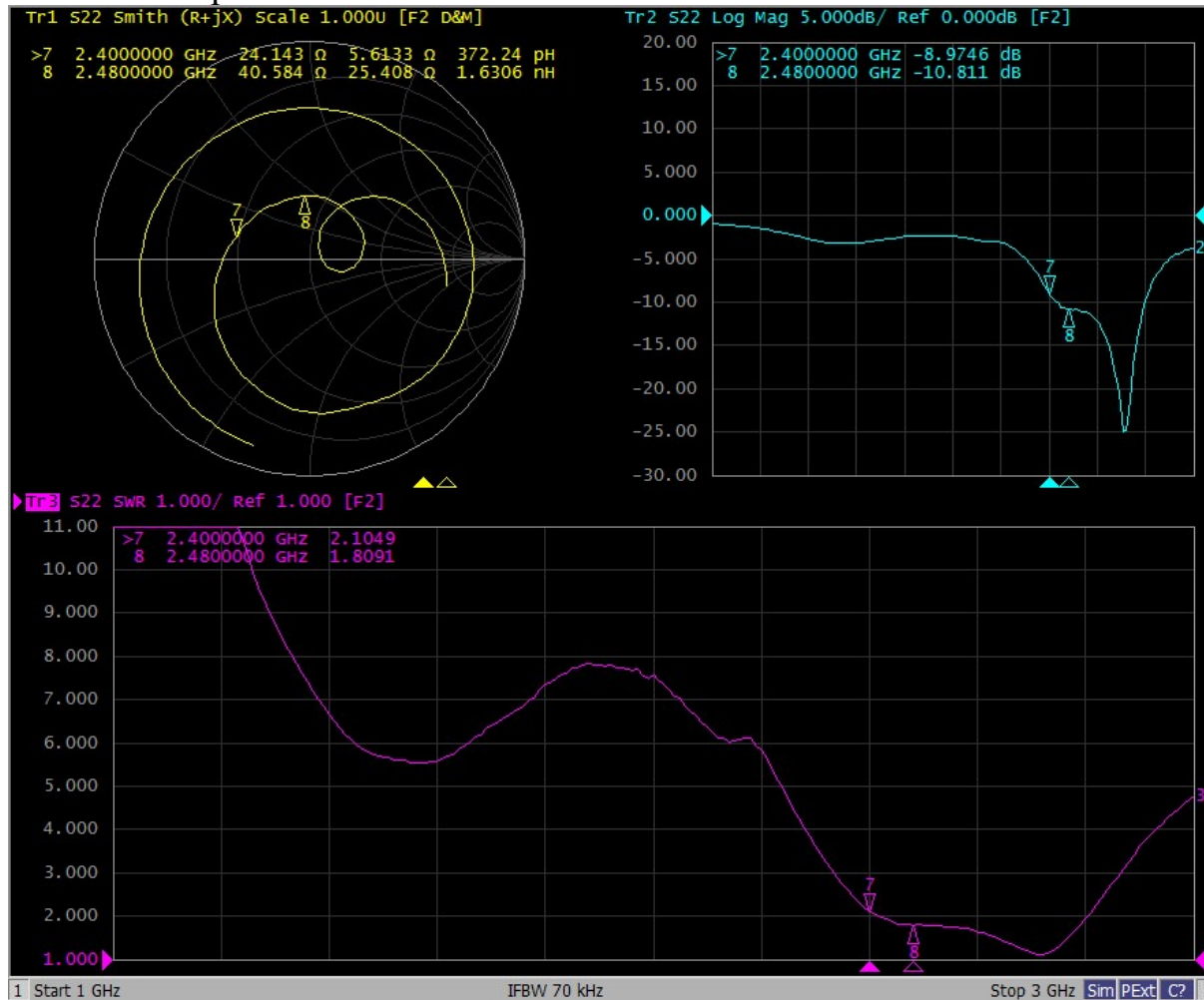


I: The report of passive data



Angilent E5071C

Antenna S11 parameter test situation

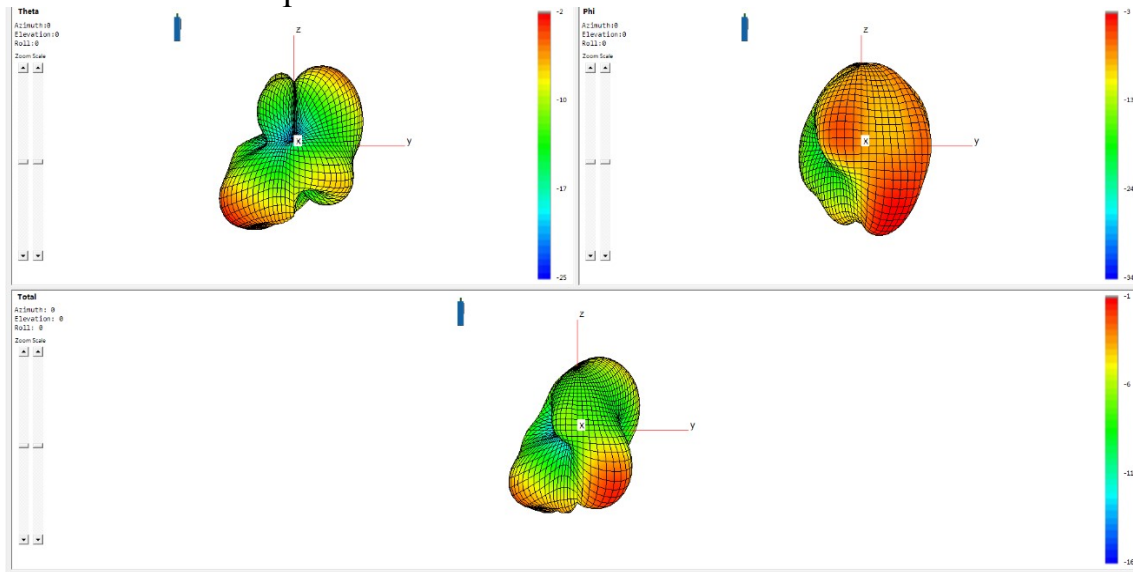




Efficiency:

2400-2480 MHz			
Frequency (MHz)	Efficiency	Efficiency (dB )	Gain (dBi)
2400	26%	-5.9	-1.8
2410	25%	-6.0	-2.0
2420	25%	-6.1	-2.1
2430	26%	-5.9	-2.0
2440	25%	-6.0	-2.1
2450	27%	-5.7	-1.9
2460	28%	-5.5	-1.8
2470	28%	-5.6	-2.0
2480	28%	-5.6	-2.1
Average value	26%	-5.8	-2.0

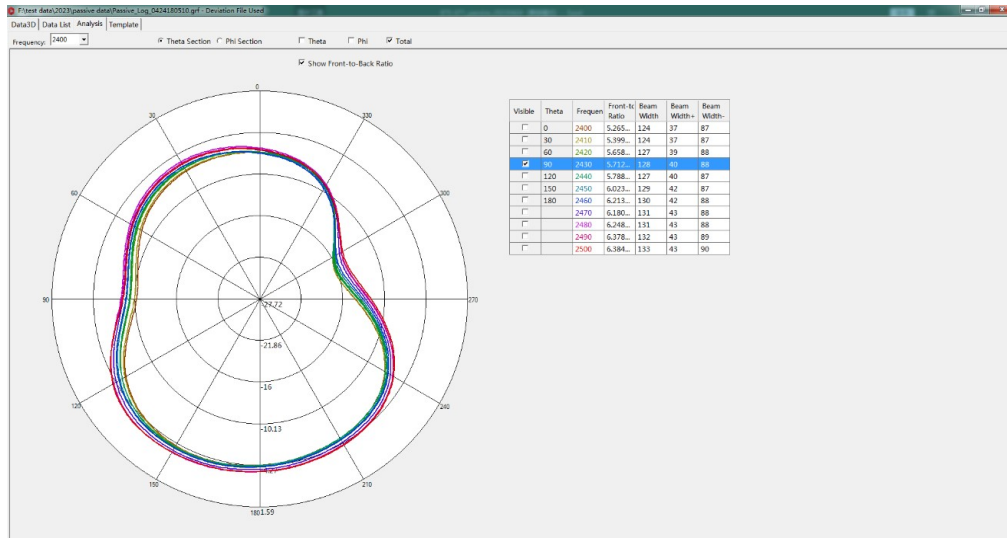
Antenna radiation pattern 3D :



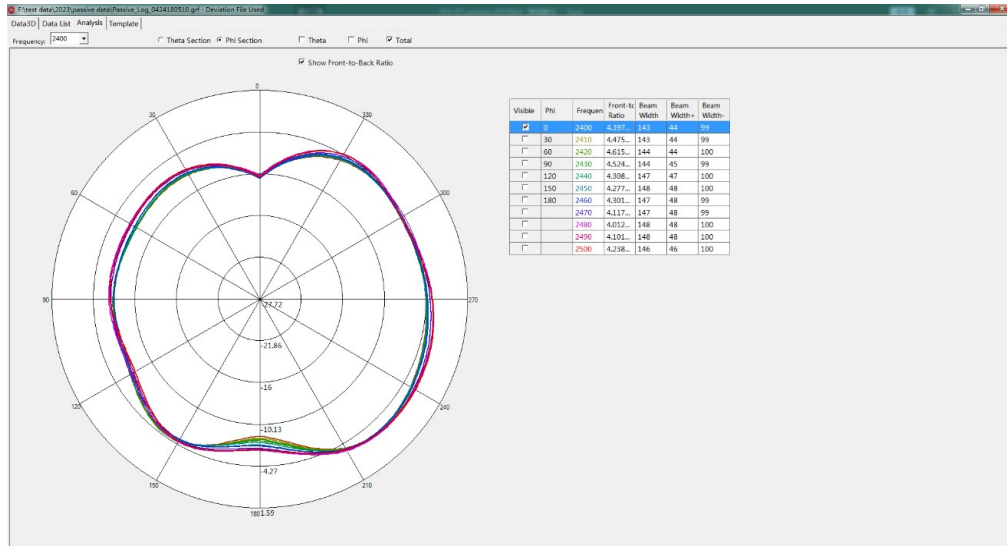


### Antenna radiation pattern:

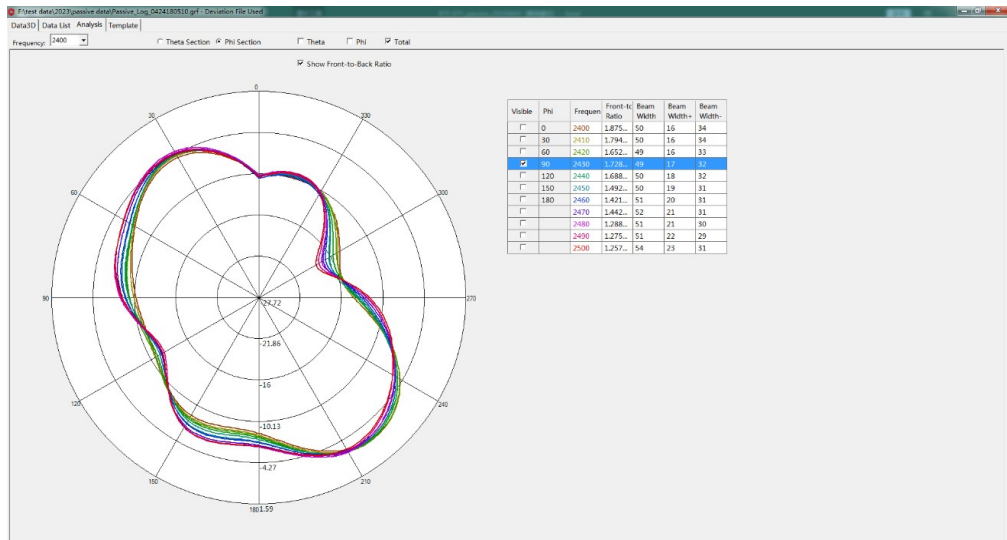
Theta=90°



Phi=0°



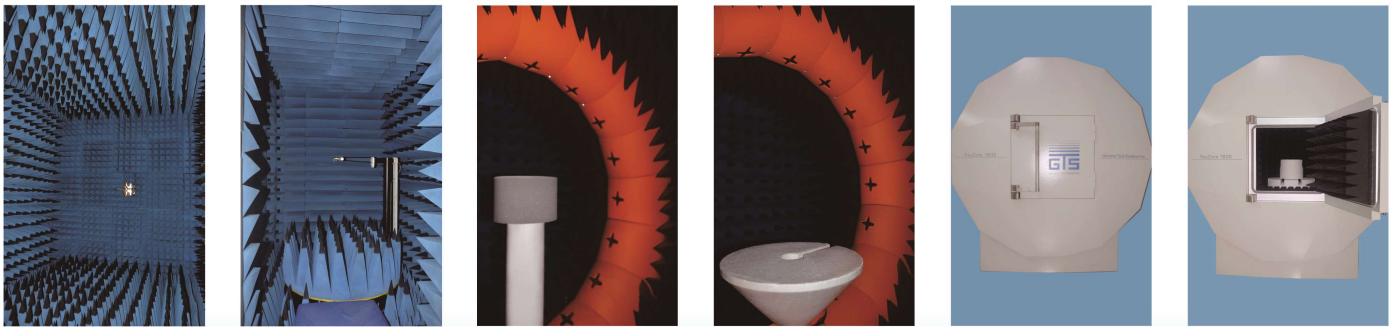
Phi=90°





II: 3D Active test report of antenna

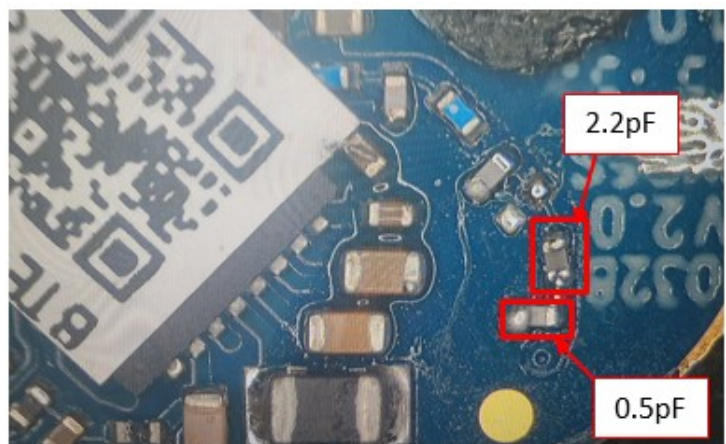
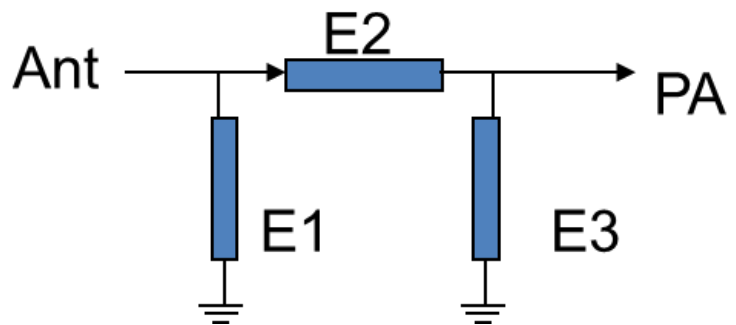
		free space		headform	
	Channel	TRP (dBm)	TIS (dBm)	TRP (dBm)	TIS (dBm)
R	CH 0	6.8	-85.7	1.4	-81.0
	CH 39	7.0	-86.6	0.7	-80.7
	CH 78	6.6	-86.7	0.4	-80.3



OTA Standard Chamber

III: Matching circuit

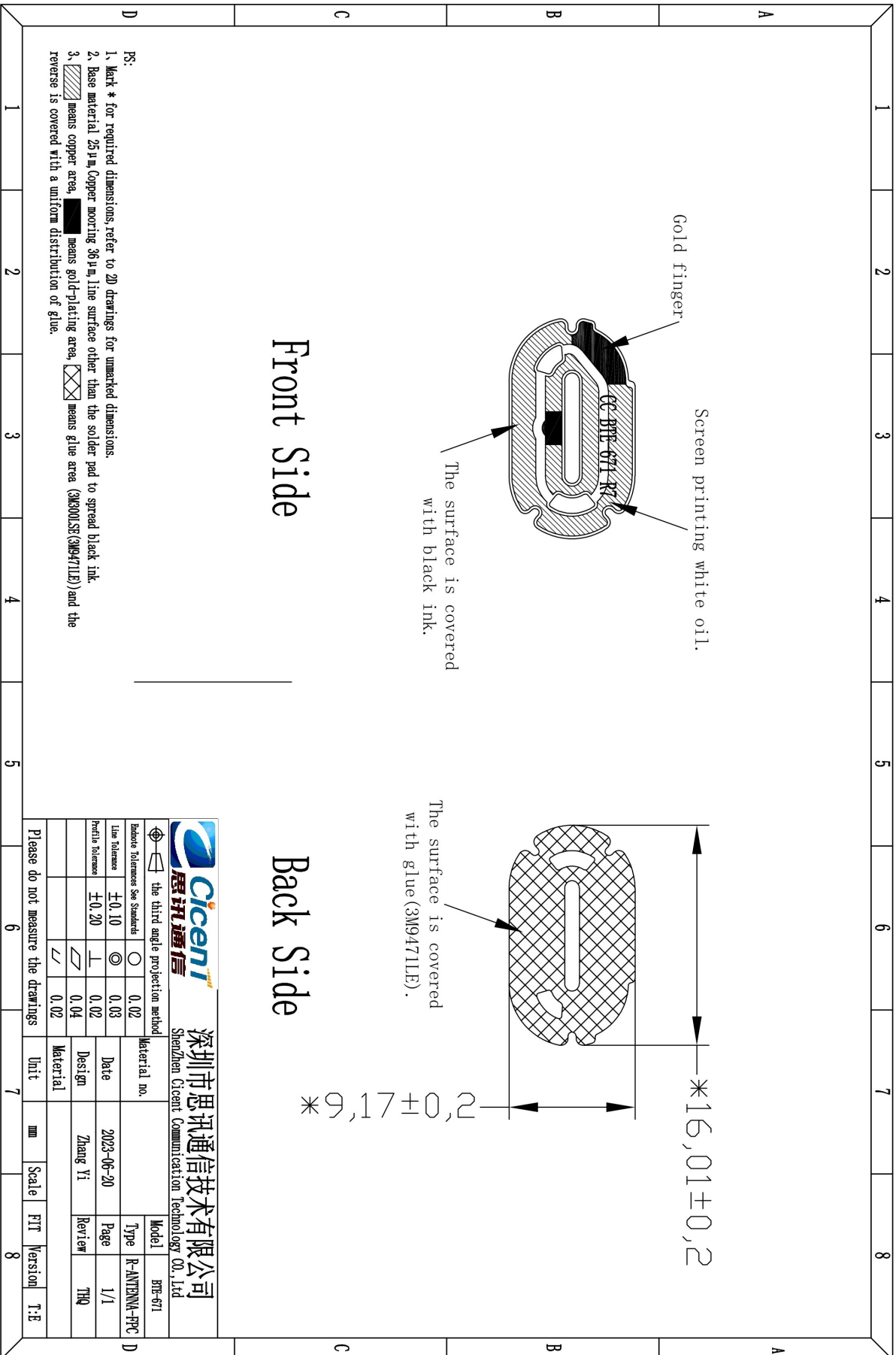
Element	Value
E1	0.5pF
E2	2.2pF
E3	NC







IV: Structure file



- PS:
1. Mark \* for required dimensions, refer to 2D drawings for unmarked dimensions.
  2. Base material 25 μm, Copper mooring 36 μm, line surface other than the solder pad to spread black ink.
  3. means copper area, means gold-plating area, means glue area (3M9471LE) and the reverse is covered with a uniform distribution of glue.

		深圳市思讯通信技术有限公司	
Shenzhen Cicent Communication Technology Co., Ltd		Model	
the third angle projection method		BTE-671	
Datum Tolerances See Standards		Material no.	
Line Tolerance		Date	
Profile Tolerance		Design	
		Zhang Yi	
		Page	
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		Review	
		TJQ	
Please do not measure the drawings		Unit	
		mm	
		Scale	
		FIT	
		Version	
		T-E	