Antenna Part Specification

Antenna name：	BTE_678_RF_L_FPC
Antenna type:	FPC
Version：	V2.0
Date：	2023.11.10

Contents

Change record			
Compile / change date	Reason for change	Changed content	Version
2023.09.27	first edition	first edition	V1.0
2023.11.10	Antenna optimization	Antenna optimization	V2.0

I：The report of passive data

Angilent E5071C

Efficiency：

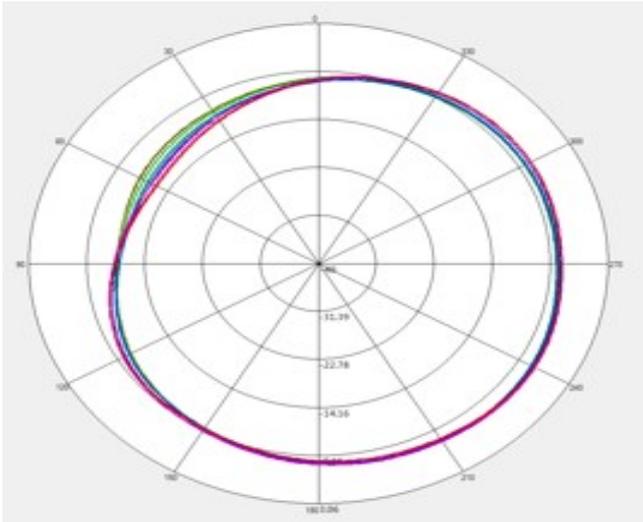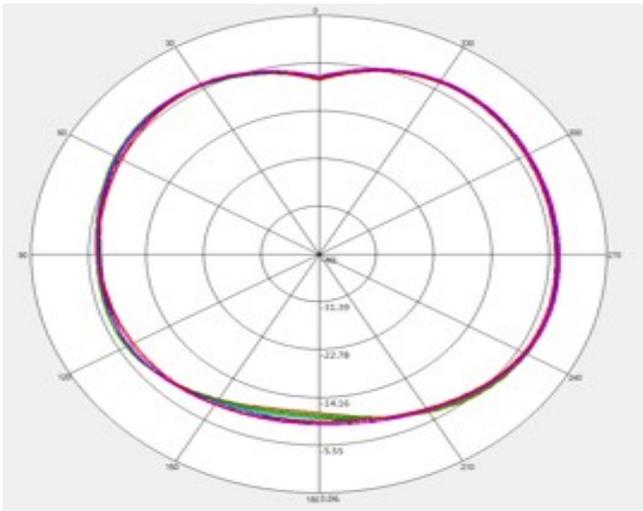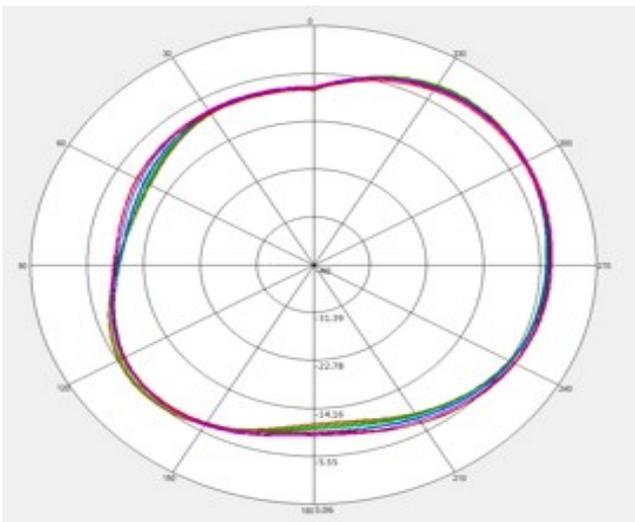| 2400-2480 MHz			
Frequency（MHz）	Gain（dBi)	Efficiency （dB)	Efficiency
2400	-2.54	-5.63	27.36
2410	-2.49	-5.60	27.52
2420	-2.47	-5.54	27.93
2430	-2.75	-5.70	26.91
2440	-2.93	-5.86	25.91
2450	-2.79	-5.75	26.60
2460	-2.98	-5.85	25.99
2470	-2.77	-5.58	27.68
2480	-2.55	-5.40	28.85
Average value	-2.70	-5.66	27.19

Antenna radiation pattern 3D :
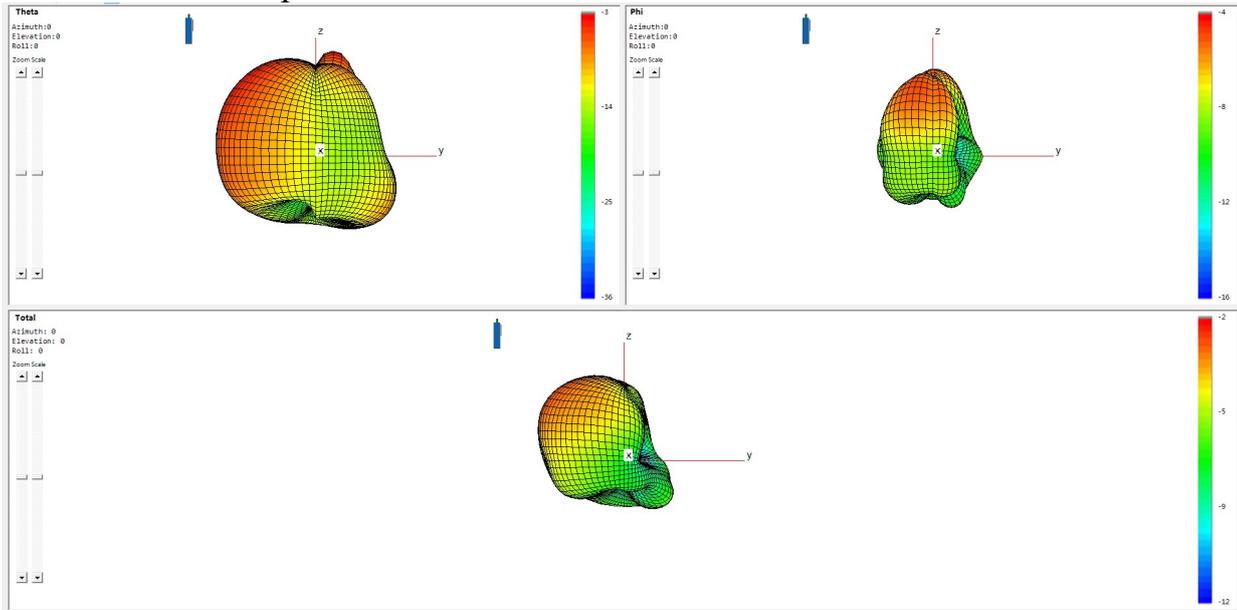
Antenna radiation pattern 2D:

Theta=90°

Phi=0°

Phi=90°

II：Structure file

Regular full-page supply, black ink on the back

Ink-free surface

Screen printing white oil.

CC ○ A3955 V2 ○

Front Side

Tear position

The release paper breaks the wire

The surface is covered with black ink.

The surface is covered with glue(3M9471LE)

Back Side

*8, 18±0, 2

1.00

*25, 88±0, 2

NOTE:
1. The key-size marked for "*";
2. The thickness of based-material is 12 μm, and the thickness of copper is 18 μm.
All the surface need to be covered with prevent welding ink, except the gold plating area.
3. ▨ means copper area, ▦ means gold-plating area, ▨ means glue area (3M9001SE),
and the reverse is covered with a uniform distribution of glue.

the third angle projection method

ShenZhen Cicent Communication Technology CO.,Ltd

Ditance Tolerance See Standard		○ 0.02	Model	HTR-678
Line Tolerance	±0.10	◎ 0.03	Type	BT ANTENNA-L-FPC
Profile Tolerance	±0.20	⟋ 0.02	Date 2023-11-10	Page 1/1
		⊥ 0.04	Design HONG	Review TAO
		∠ 0.02	Material	
Please do not measure the drawings			Unit ▬	Scale Fit Version T:1

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