



Antenna Part Specification

Project name:	Comfo Run
Material category:	BT Antenna
Version:	V3.0
Manufacturer:	Shenzhen Cicent Communication Technology Co., Ltd.
Manufacturer Address:	505-506 ,ABlock,Donglian Building,Chuangye 2 road,Baoan District,Shenzhen,Guangdong,P.R china
Date:	2023.10.20



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

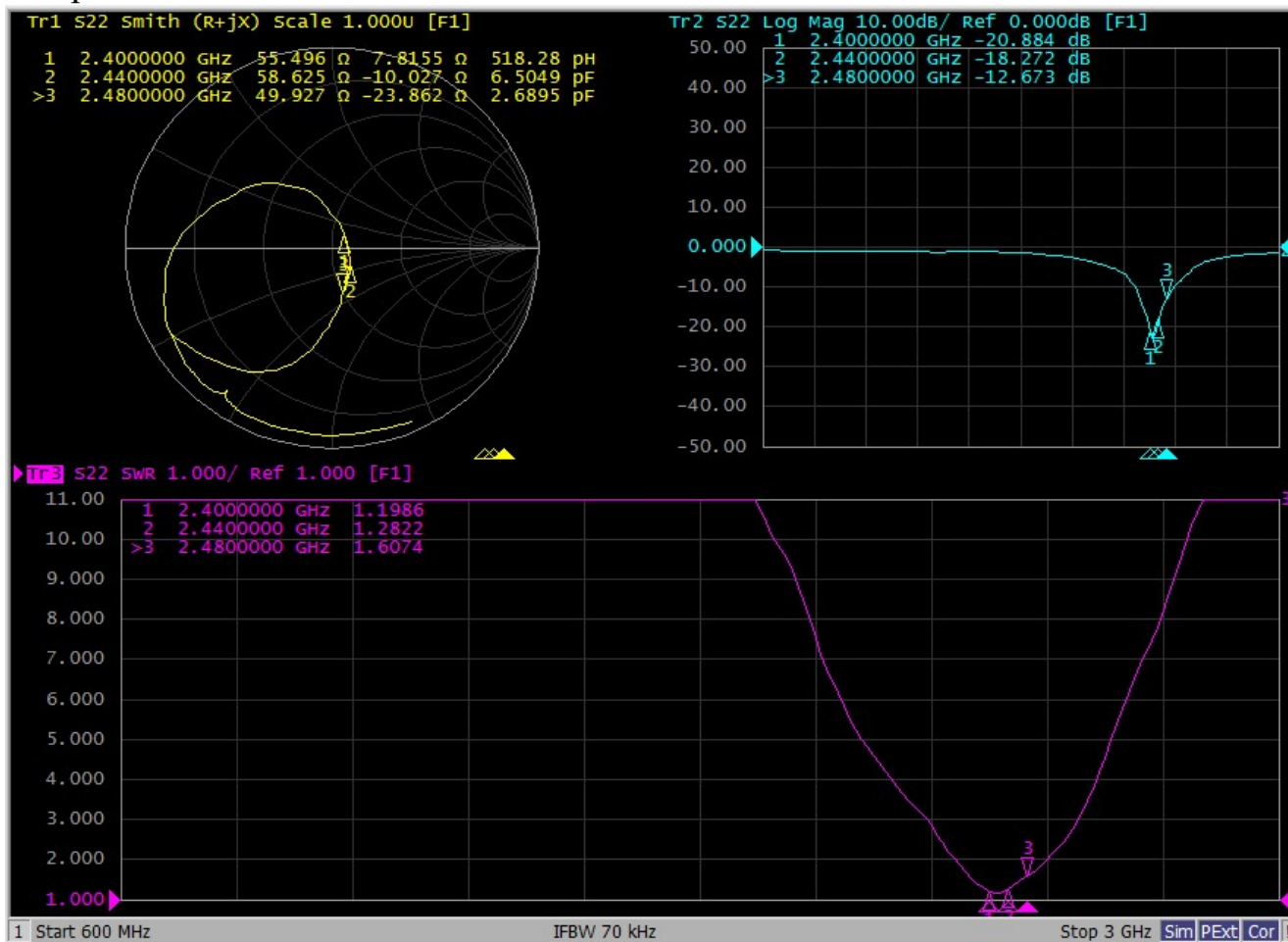


I: The report of passive data



Angilent E5071C

S11 parameter:

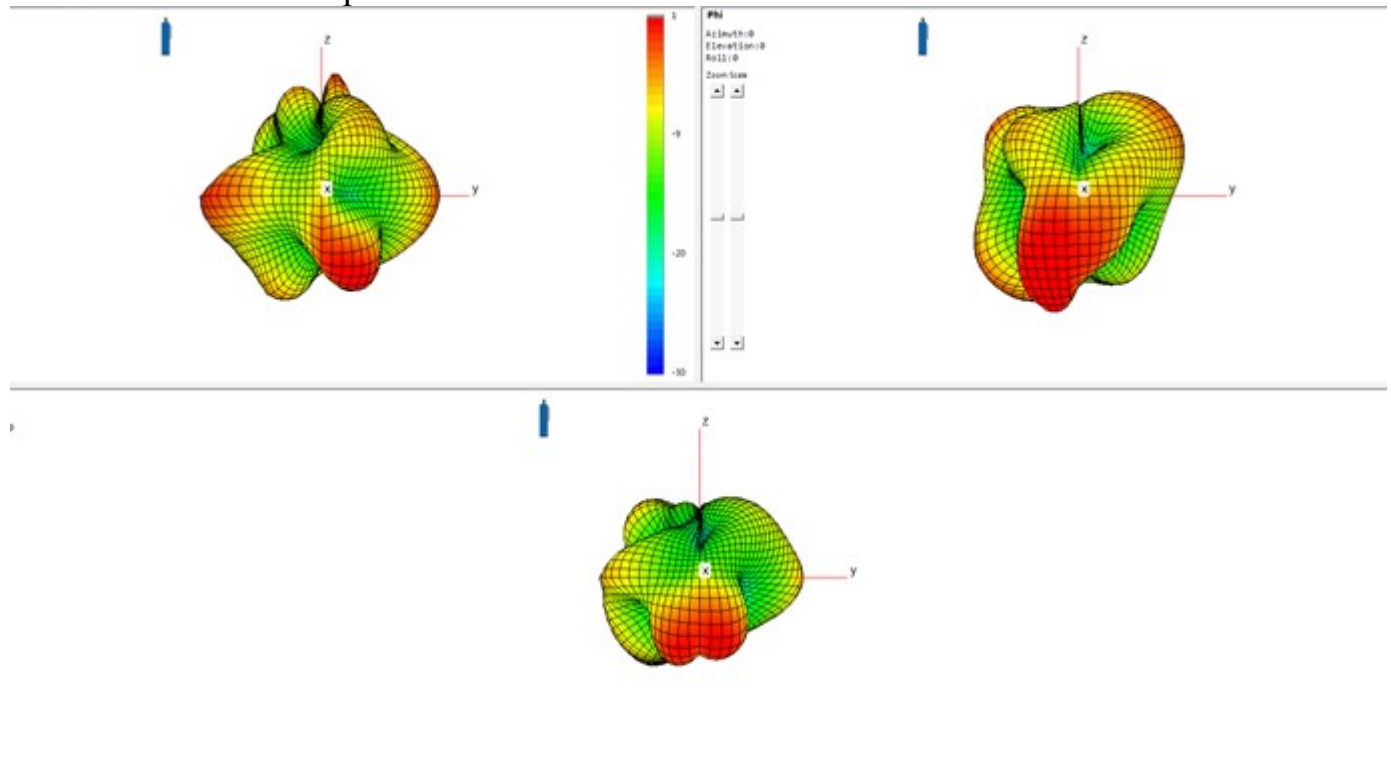




Efficiency:

Frequency (MHz)	Efficiency	Efficiency (dB)	Gain (dBi)
2400	40.7%	-3.9	1.8
2410	40.3%	-3.9	1.9
2420	41.0%	-3.9	1.9
2430	41.5%	-3.9	2.0
2440	40.1%	-4.0	1.9
2450	39.9%	-4.0	2.0
2460	39.6%	-4.0	1.9
2470	39.5%	-4.0	1.9
2480	39.1%	-4.1	1.9
Average value	40.2%	-4.0	1.9

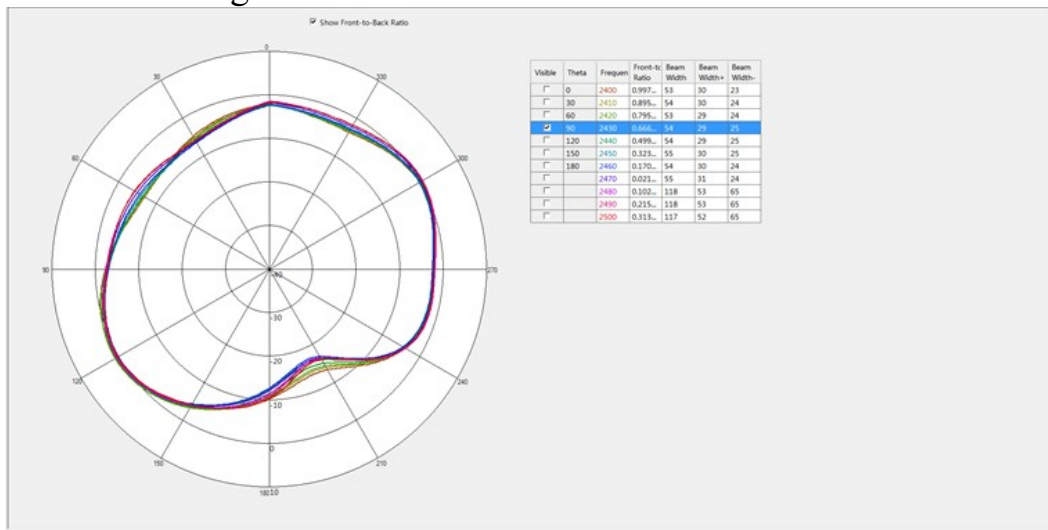
3D Antenna radiation pattern:



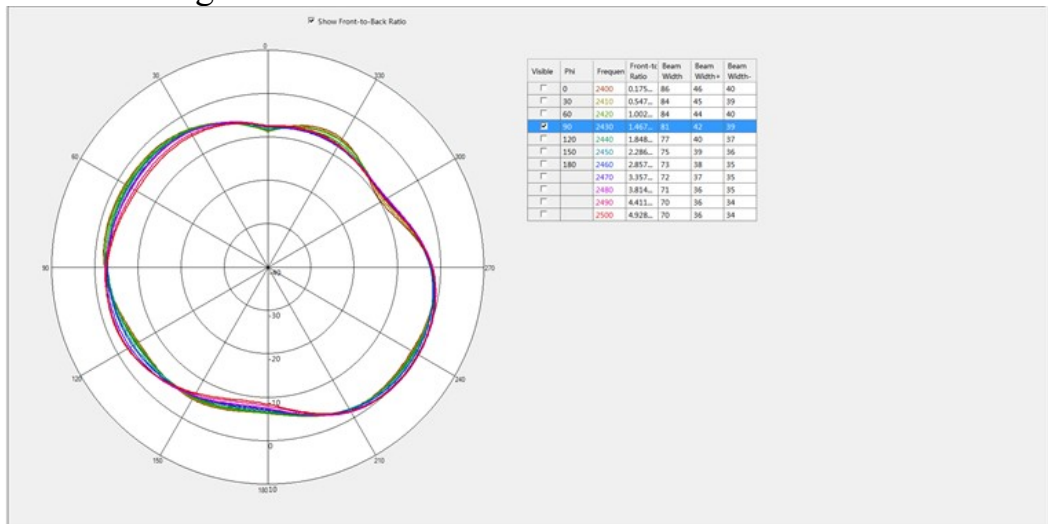


Antenna radiation pattern:

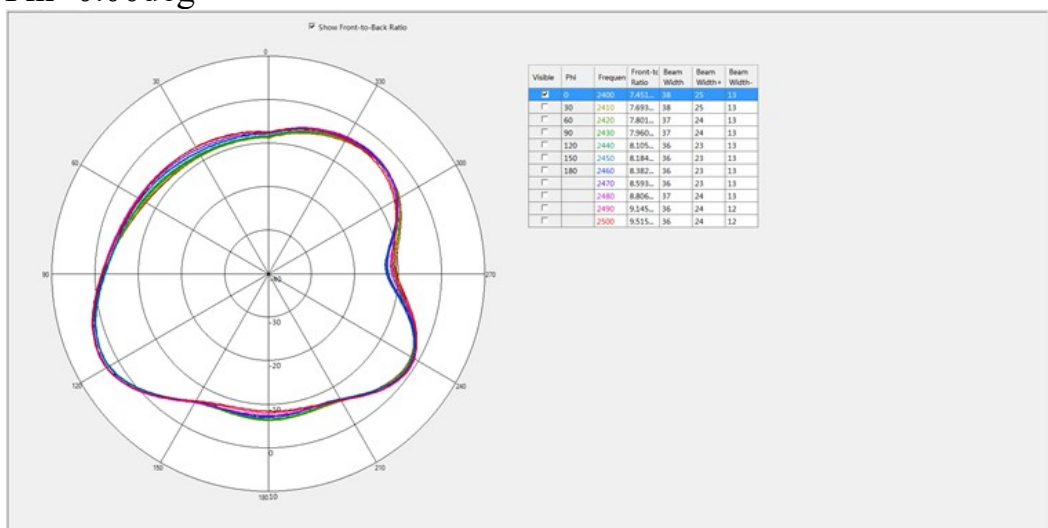
Theta=90.00deg



Phi=90.00deg



Phi=0.00deg





II: 3D Active test report of antenna

free space	Channel	TRP (dBm)	TIS(dBm)
BT	CH 0	6.9	-90.0
	CH 39	7.6	-90.7
	CH 78	6.0	-89.6

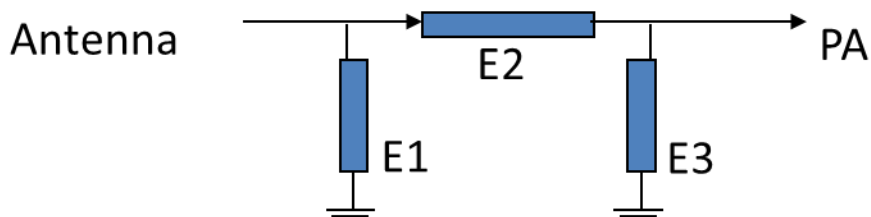
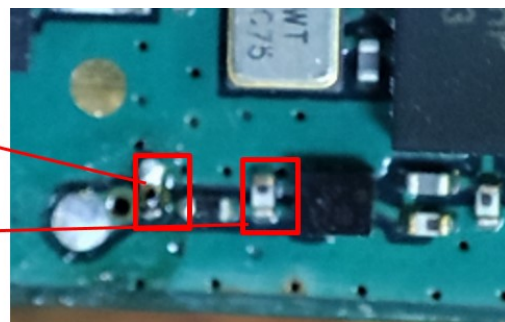
headform	Channel	TRP(dBm)	TIS (dBm)
BT	CH 0	3.0	-85.7
	CH 39	3.6	-86.4
	CH 78	2.3	-86.0



OTA Standard Chamber

III: Matching circuit

图示编号	匹配值
E1	2.2PF
E2	0Ω
E3	No changes

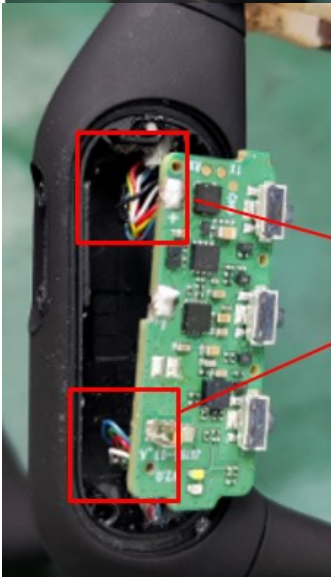




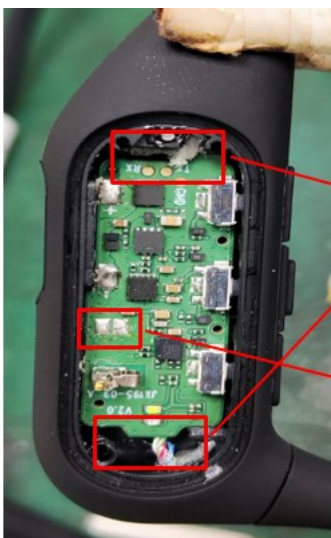
IV: Installation method



The wiring at the upper and lower ends of the motherboard is arranged on the right side as shown in the figure after gluing



Afterwards, the motherboard is reversed for installation, and the wiring on the upper and lower sides is arranged to the left



The wiring at both ends of the motherboard is pressed under the motherboard, and above the motherboard is the antenna area to prevent excess wire length from touching the antenna wiring and causing abnormal antenna data

Remove the shrapnel here



V: Structure file:

