

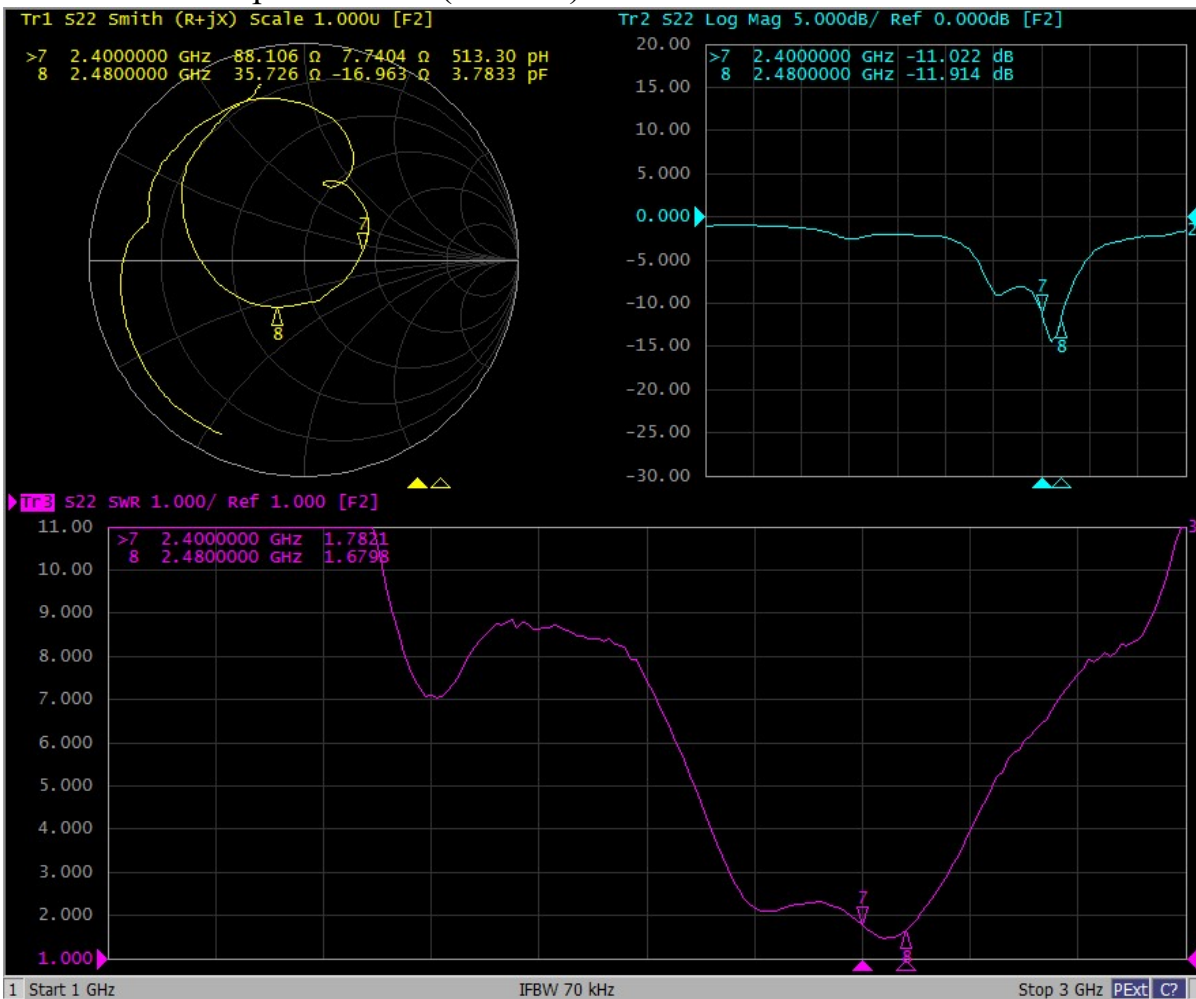


I: The report of passive data



Agilent E5071C

BT antenna S11 parameter: (Left ear)

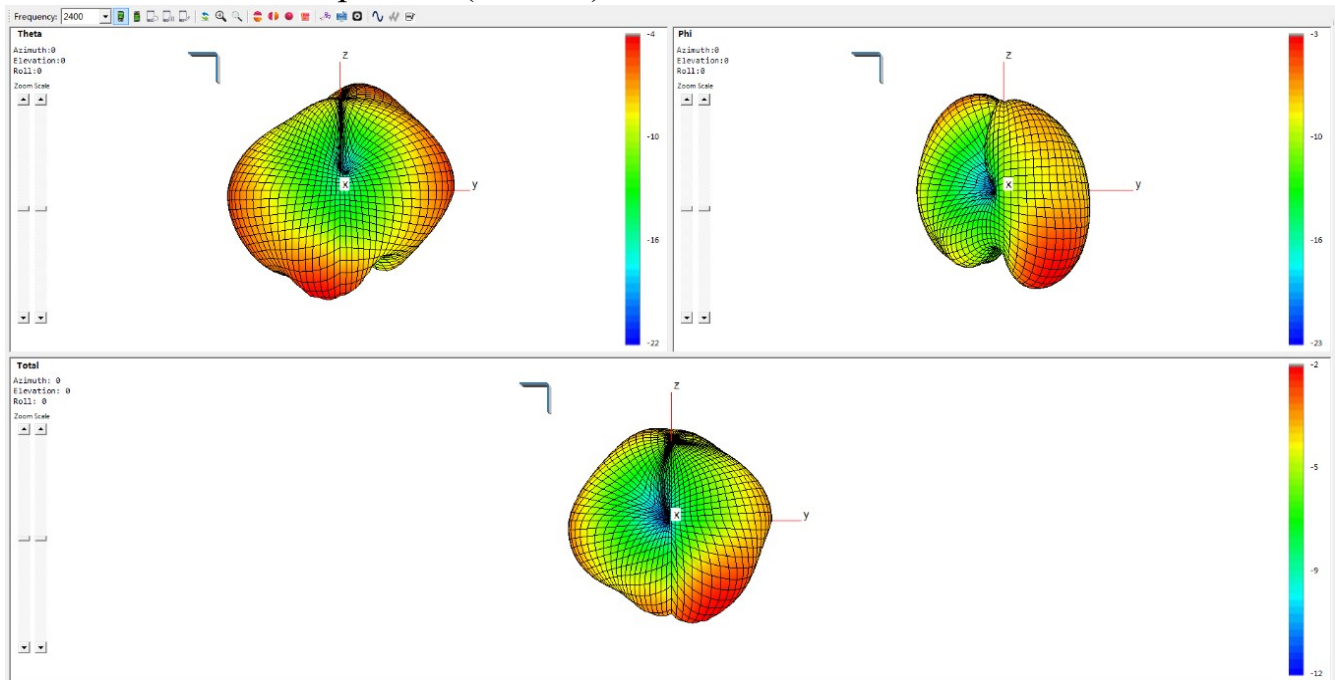




Efficiency: (Left ear)

BT			
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	26.5	-5.8	-2.8
2410	27.9	-5.6	-2.6
2420	28.6	-5.4	-2.6
2430	27.8	-5.6	-2.7
2440	27.0	-5.7	-2.9
2450	28.0	-5.5	-2.8
2460	26.8	-5.7	-2.9
2470	27.4	-5.6	-2.8
2480	27.9	-5.5	-2.8
Average value	27.5	-5.6	-2.8

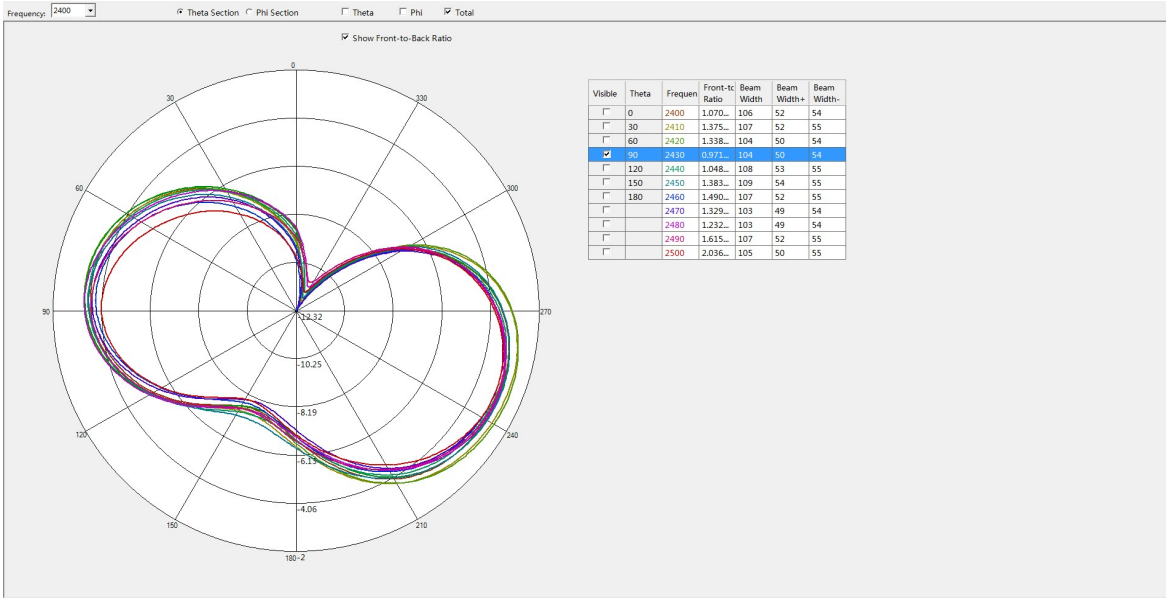
3D Antenna radiation pattern: (Left ear) unit: dBi



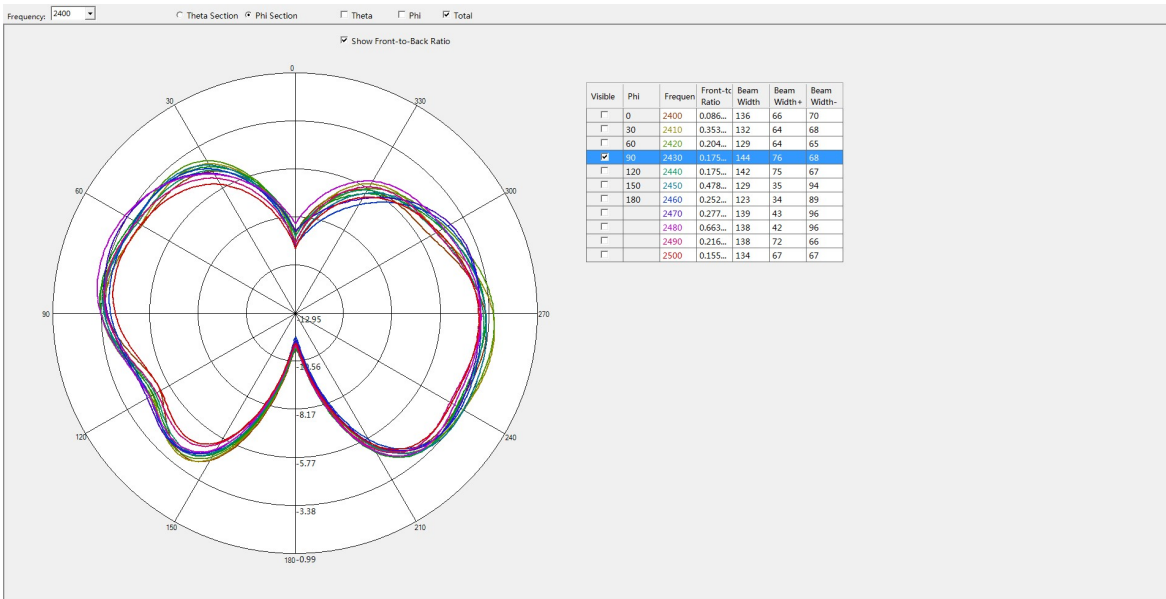


Antenna radiation pattern: (Left ear)

Theta=90.00deg unit: dBi

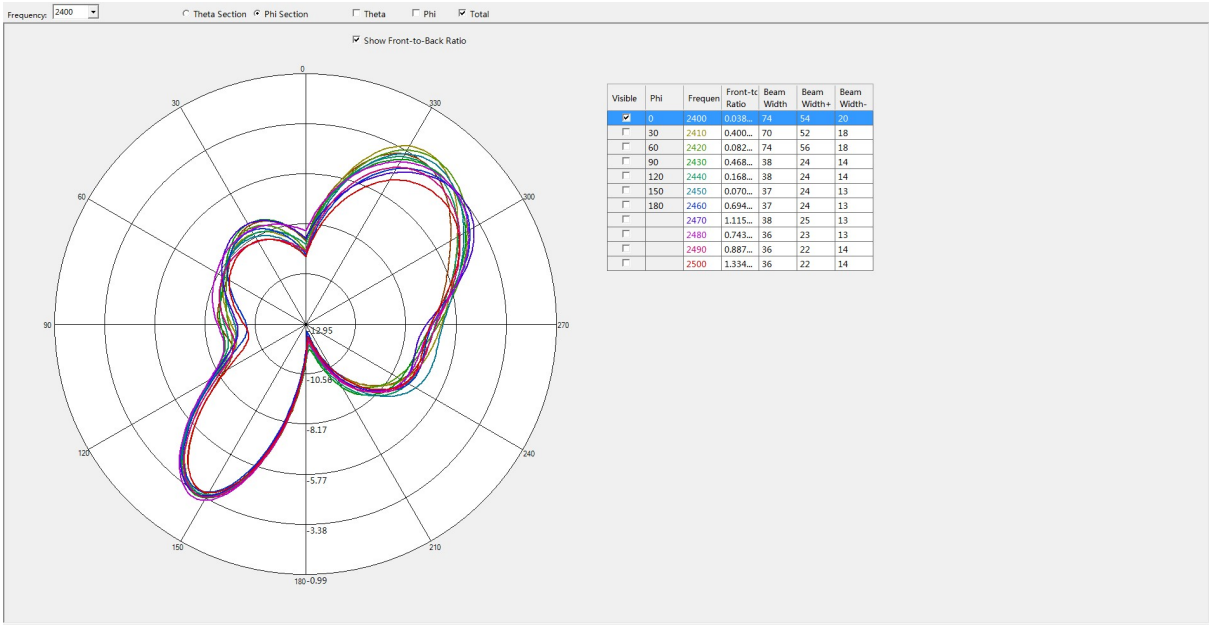


Phi=90.00deg unit: dBi

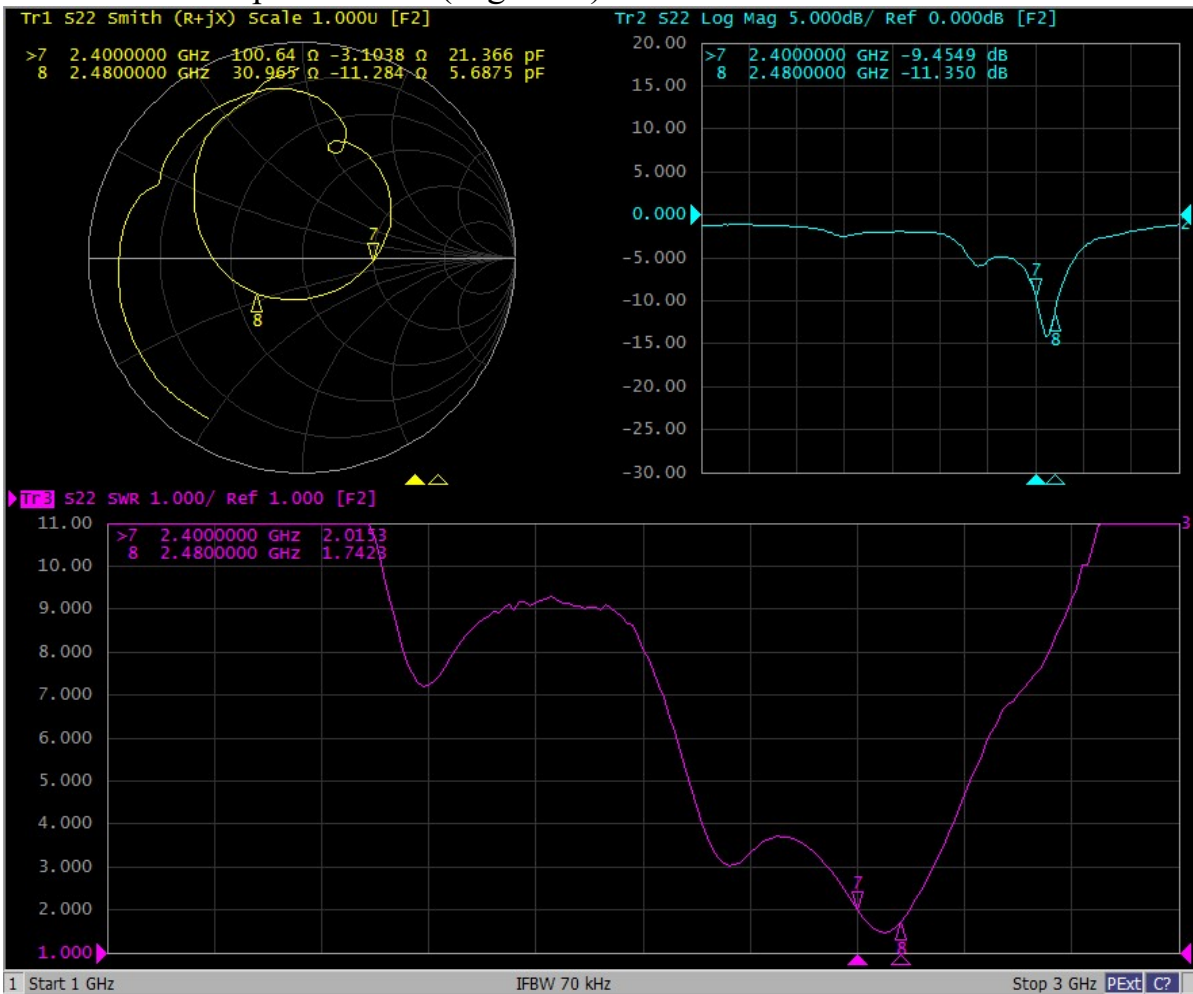




Phi=0.00deg unit: dBi



BT antenna S11 parameter: (Right ear)

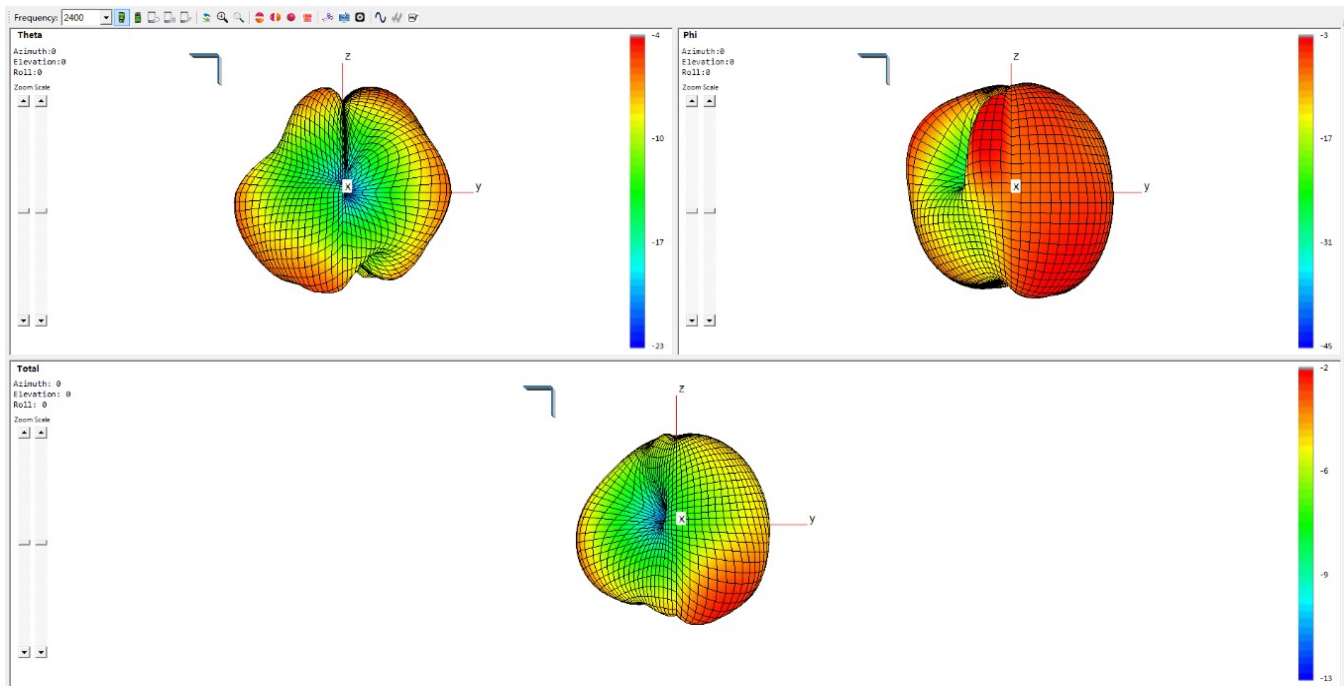




Efficiency: (Right ear)

BT			
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	26.2	-5.8	-2.9
2410	27.6	-5.6	-2.7
2420	28.3	-5.5	-2.7
2430	27.6	-5.6	-2.8
2440	26.7	-5.7	-2.8
2450	27.2	-5.6	-2.7
2460	25.8	-5.9	-3.0
2470	26.3	-5.8	-3.0
2480	26.3	-5.8	-3.1
Average value	26.9	-5.7	-2.9

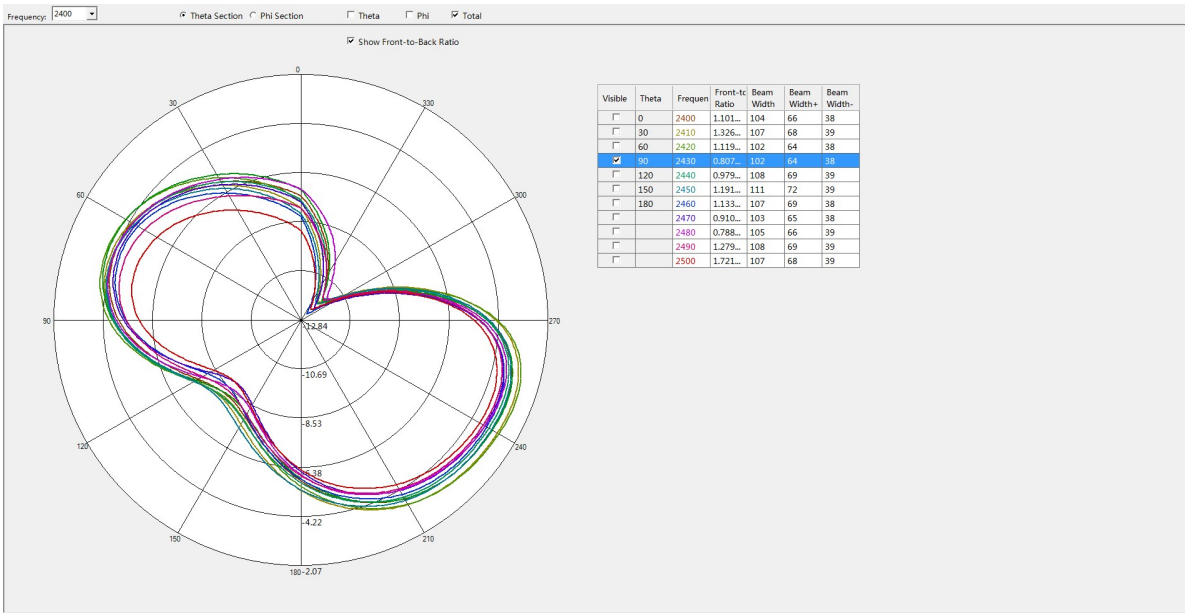
3D Antenna radiation pattern: (Right ear) unit: dBi



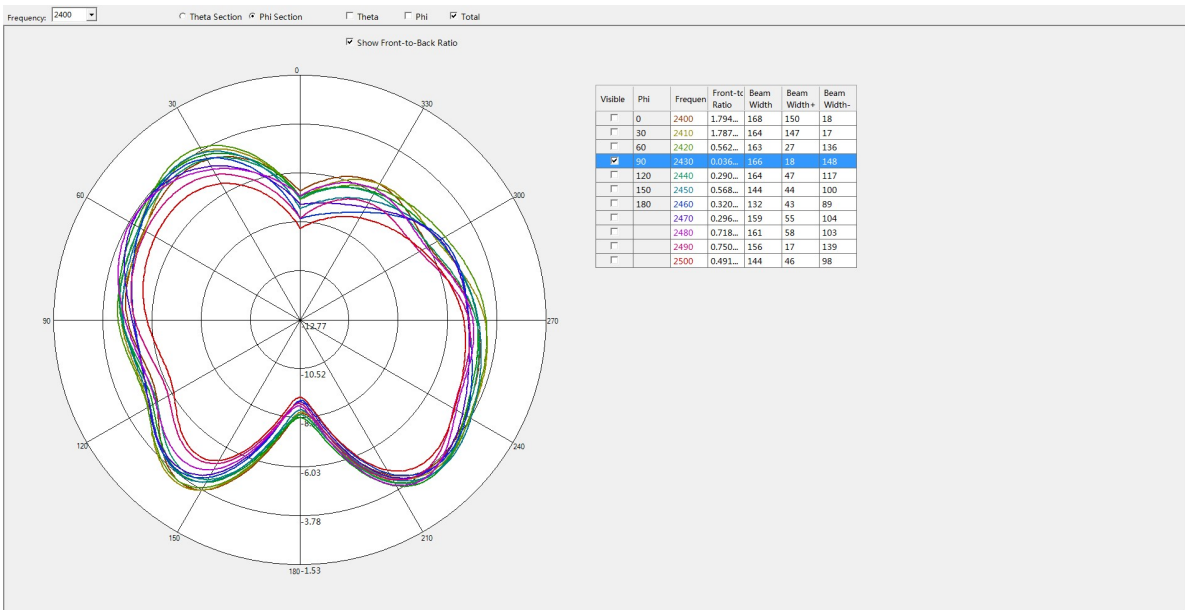


Antenna radiation pattern: (Right ear)

Theta=90.00deg unit: dBi

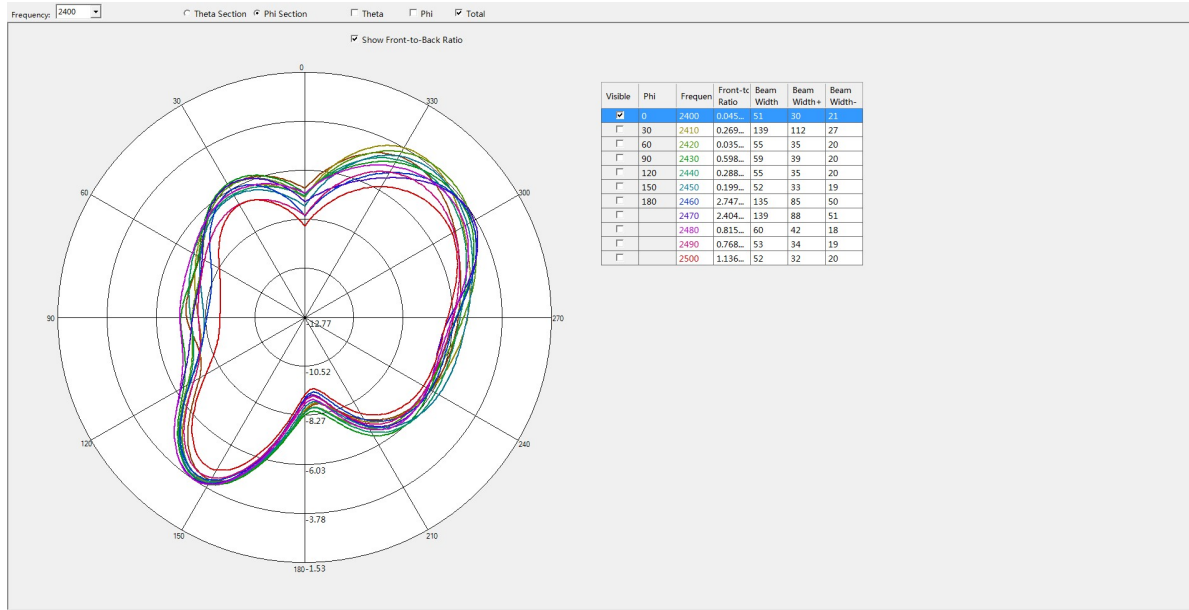


Phi=90.00deg unit: dBi





Phi=0.00deg unit: dBi



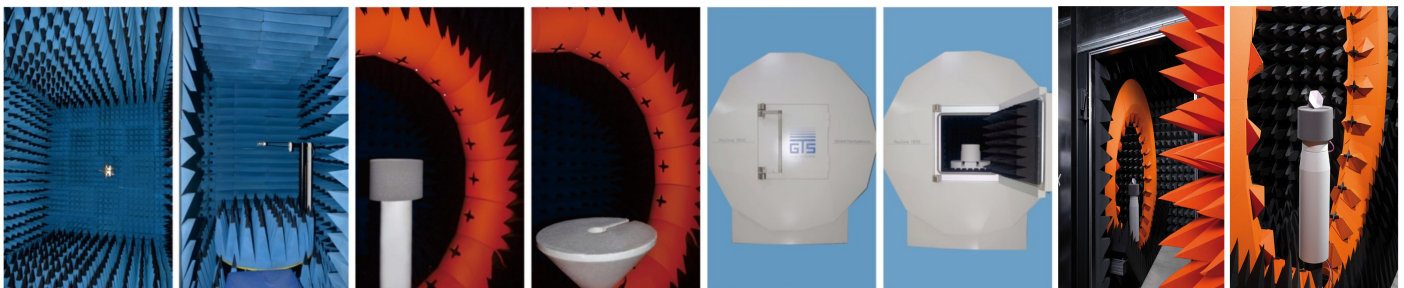
II: 3D Active test report of antenna

F4:9D:8A:26:00:4D

		自由		头模	
D2	Channel	TRP	TIS	TRP	TIS
L	CH 0	2.5	-88.5	-1.9	-84.3
	CH 39	3.2	-89.9	-2.0	-84.9
	CH 78	3.5	-90.4	-2.3	-84.9
	AVG	3.1	-89.6	-2.1	-84.7

F4:9D:8A:25:FE:CA

		自由		头模	
D2	Channel	TRP	TIS	TRP	TIS
R	CH 0	2.7	-87.1	-1.8	-84.2
	CH 39	3.6	-89.5	-2.2	-84.8
	CH 78	3.9	-89.8	-2.7	-84.7
	AVG	3.4	-88.8	-2.2	-84.6



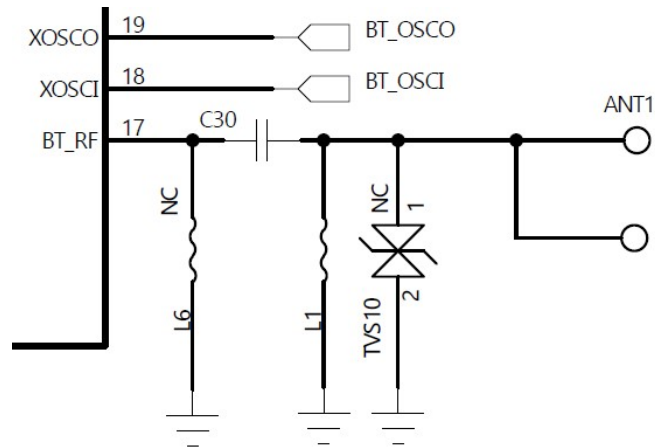
OTA Standard Chamber



III: Matching circuit

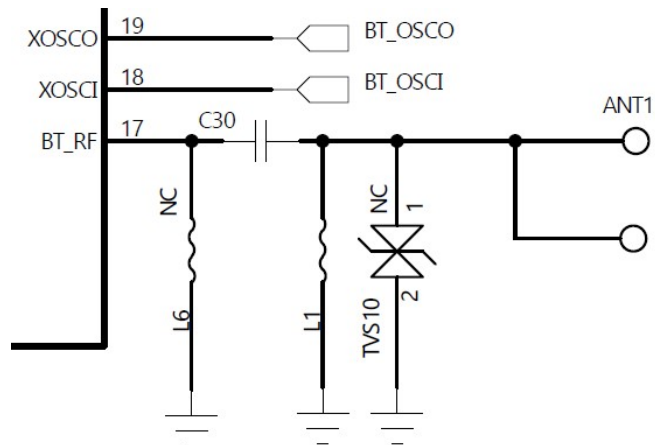
(Left ear)

Element	Value
L1	0.8pF
C30	2.4nH
L6	NC

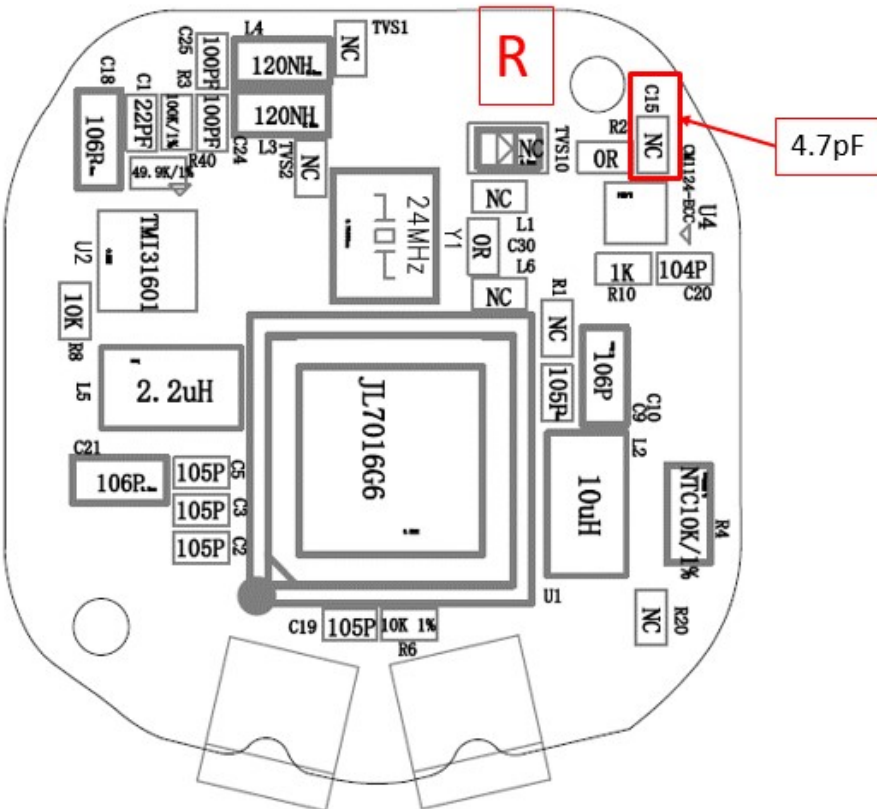
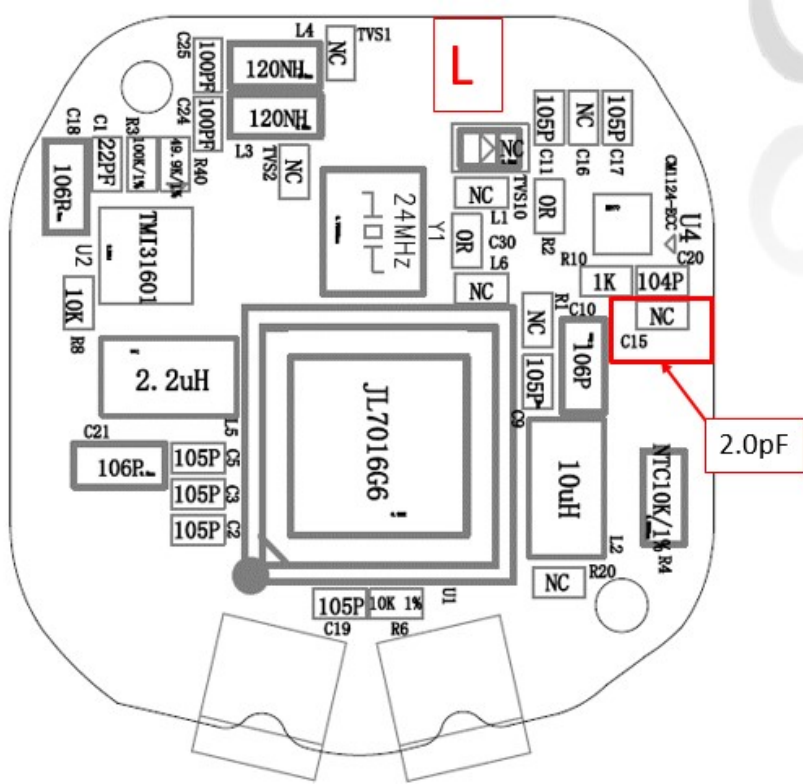


(Right ear)

Element	Value
L1	1.0pF
C30	2.7nH
L6	NC

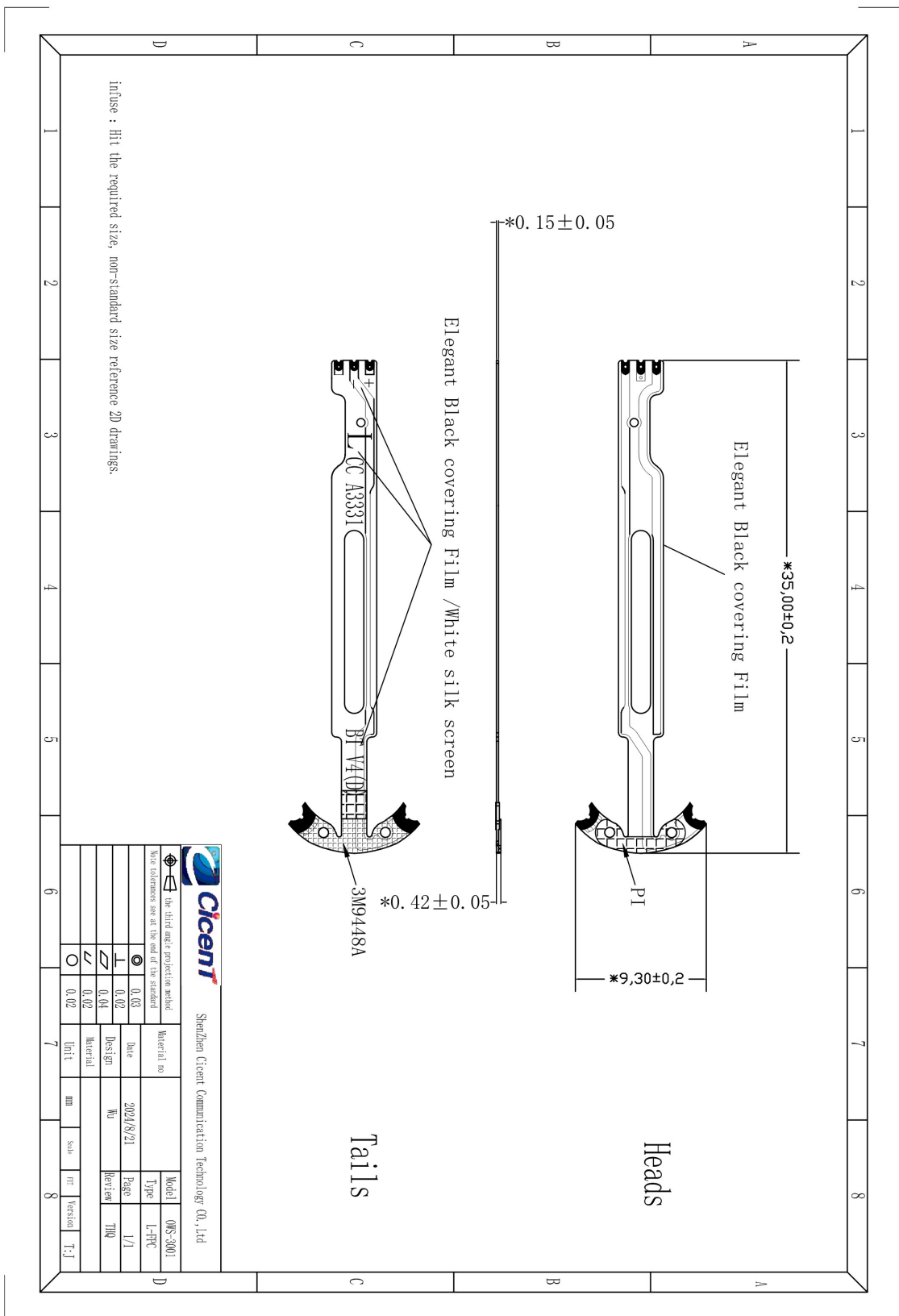


C15 modification diagram



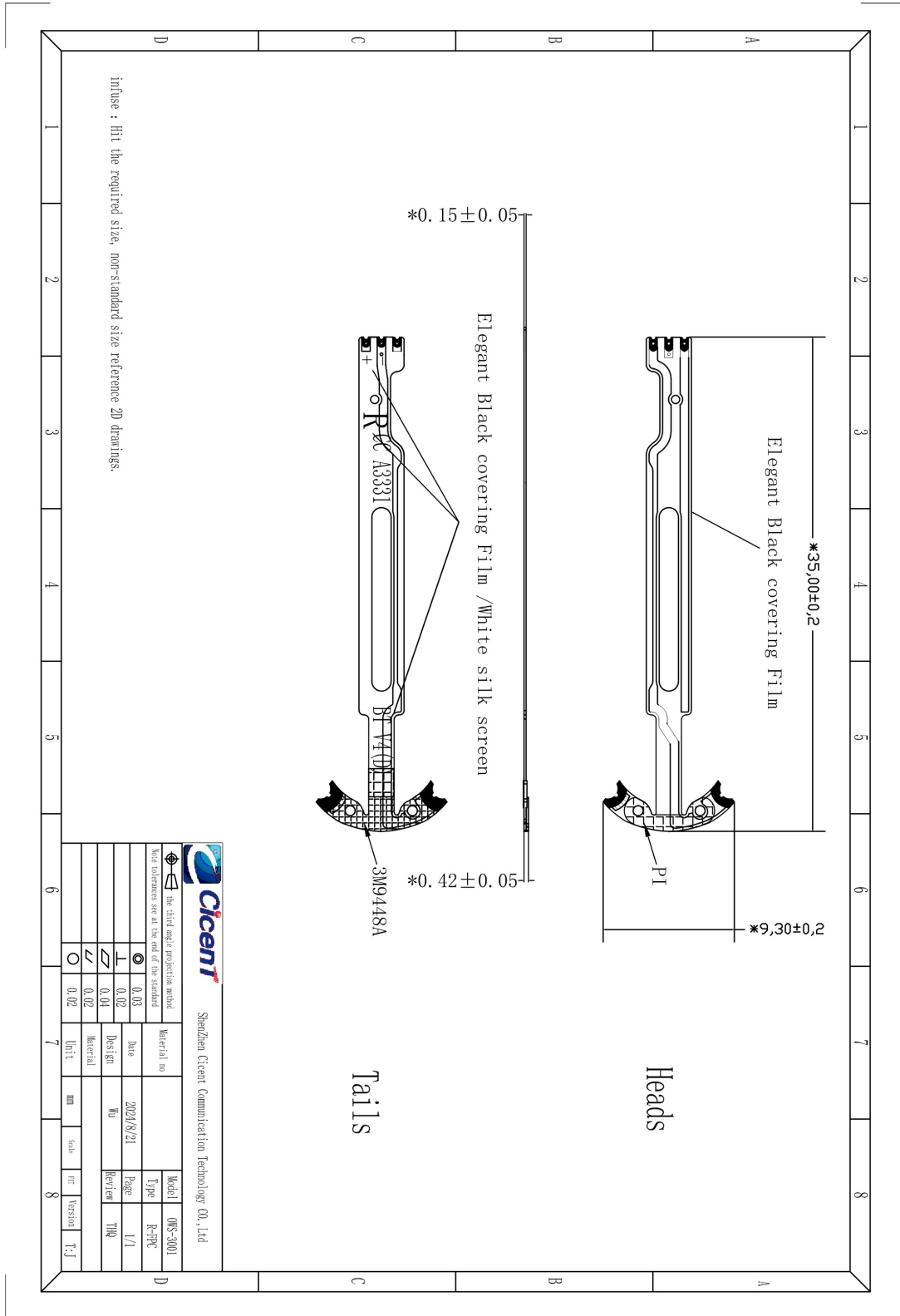


IV: Structure file:



Inluse : Hit the required size, non-standard size reference 2D drawings.

		ShenZhen Cicent Communication Technology Co., Ltd	
the third angle projection method		Material no	Model QMS-3001
Note: tolerances see at the end of the standard		Date	Type L-TRC
⊙	0.03	2024/8/21	Pages 1/1
⊥	0.02	Design No	Revision TRQ
∠	0.04	Material	
○	0.02	Unit	mm
		Scale	1:1
		Version	T-1



infuse : Hit the required size, non-standard size reference 2D drawings.



Shenzhen Cicent Communication Technology Co., Ltd

the third level projection method		Material no		Model	
Note reference size at the end of the standard		Date		Type	
⊙	0.03	2024/8/21	R-FPC		ONS-3001
⊥	0.02		Page		1/1
∠	0.04		Review		TRQ
○	0.02		Material		
	Unit		Scale		1:1
			Unit		mm