



Antenna Part Specification

Customer name:	EDIFIER
Project name:	Lollipods Clip
Material category:	BT antenna
Version:	V1.0
Date:	2024.08.22
Manufacturer name:	Shenzhen Cicent Communication Technology Co., Ltd.
Address:	505-506 ,A Block,Donglian Building,Chuangye 2 road,Baoan District,Shenzhen,Guangdong,P.R china



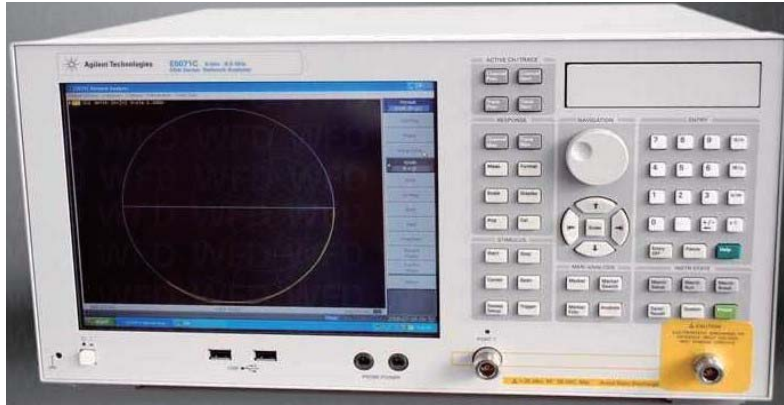
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Change record			
Compile / change date	Reason for change	Changed content	Version
2024.08.22	First edition	First edition	V1.0

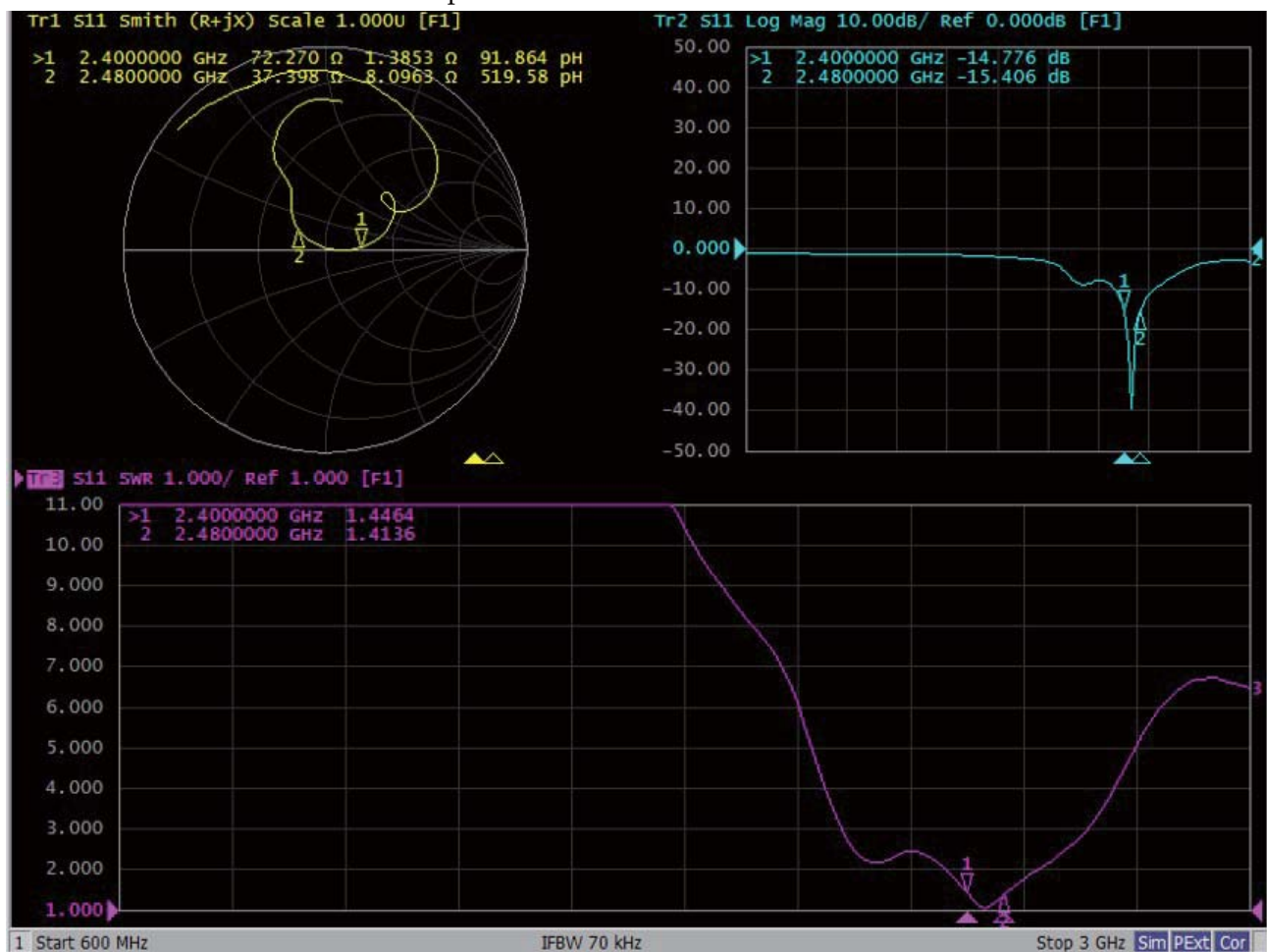


I: The report of passive data



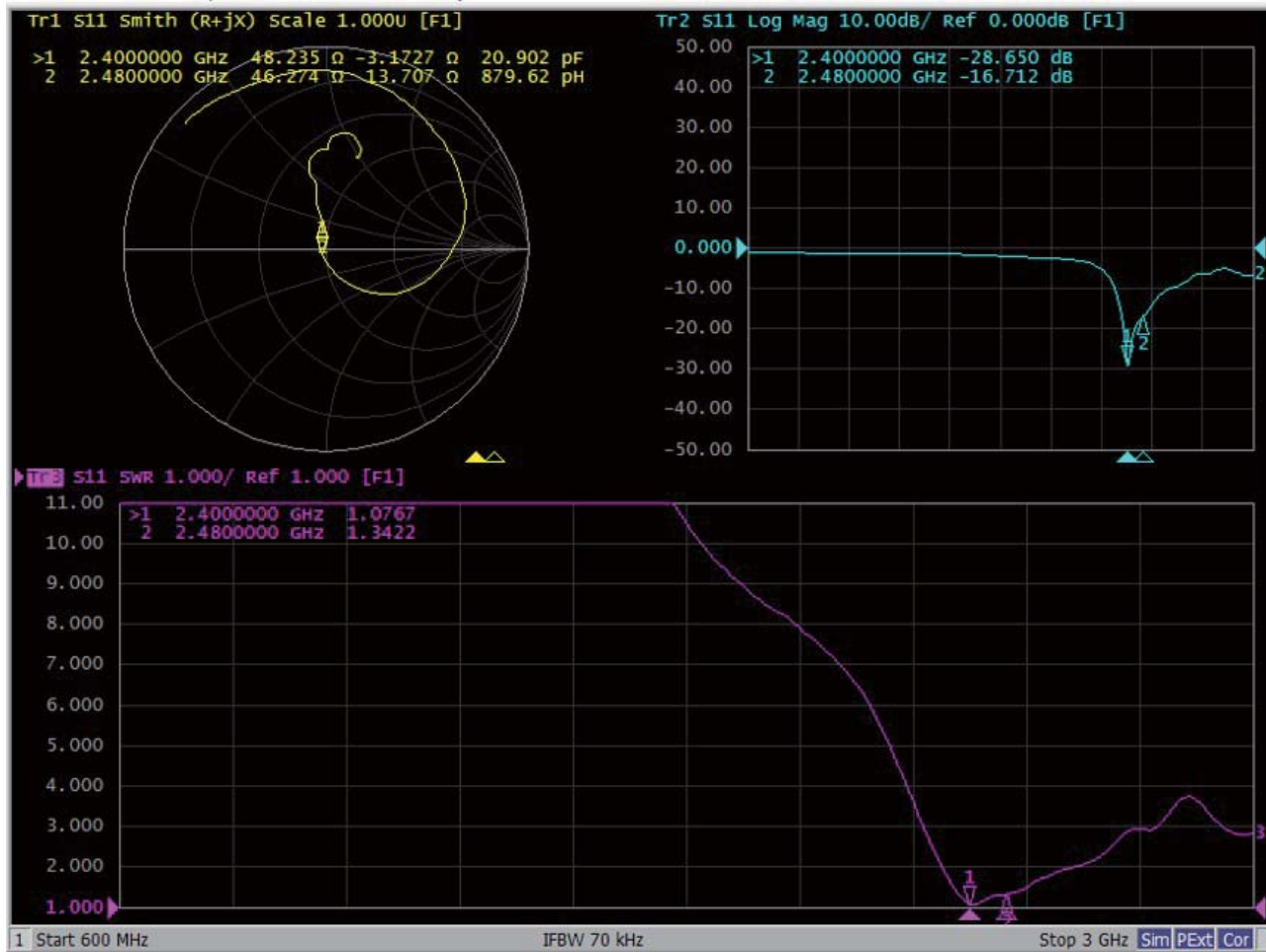
Angilent E5071C

Left ear BT antenna S11 parameters





Right ear BT antenna S11 parameters





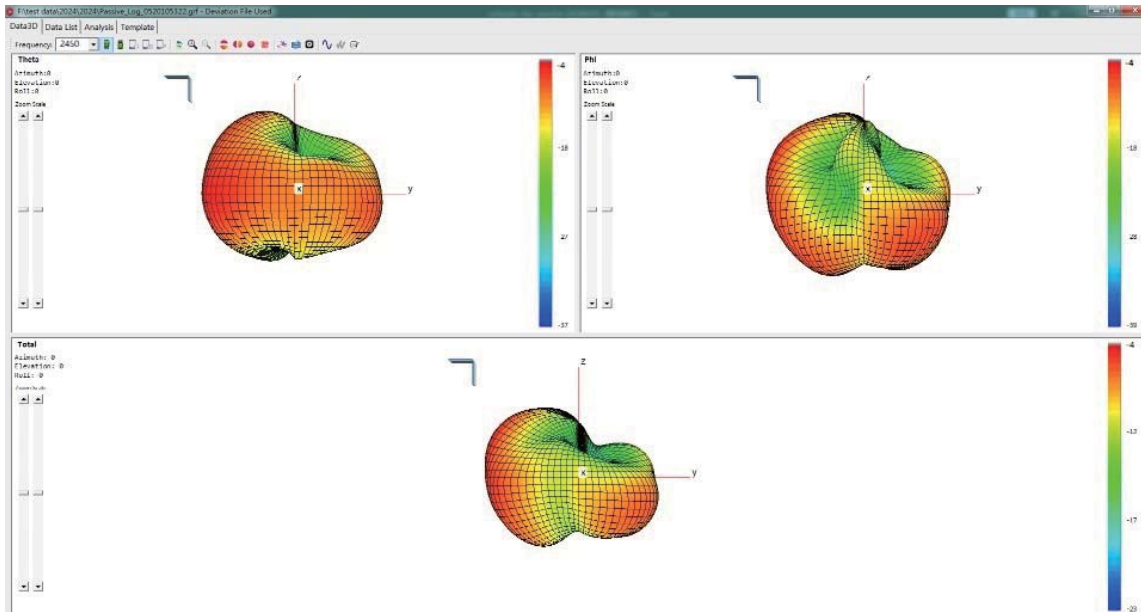
Efficiency:

L			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency%
2400	-6.6	-8.2	15.1
2410	-5.7	-7.8	16.5
2420	-5.0	-7.4	18.0
2430	-4.6	-7.2	18.9
2440	-4.3	-7.1	19.6
2450	-4.0	-6.9	20.4
2460	-4.2	-7.0	20.0
2470	-4.3	-7.0	19.7
2480	-4.6	-7.2	18.9
Average value	-4.81	-7.33	18.58

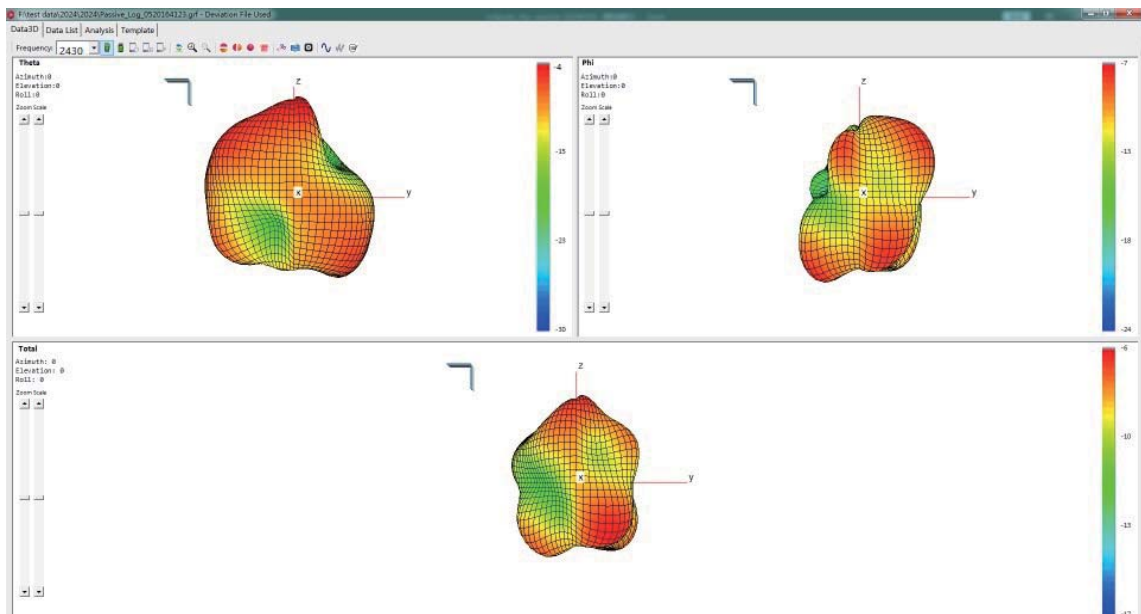
R			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency%
2400	-5.0	-7.4	18.1
2410	-4.5	-7.2	19.0
2420	-4.2	-7.1	19.7
2430	-4.0	-6.9	20.6
2440	-4.1	-7.0	20.1
2450	-4.2	-7.0	20.0
2460	-4.5	-7.2	19.2
2470	-5.3	-7.5	17.7
2480	-5.9	-7.8	16.7
Average value	-4.63	-7.22	19.01



3D Antenna radiation pattern (L) :



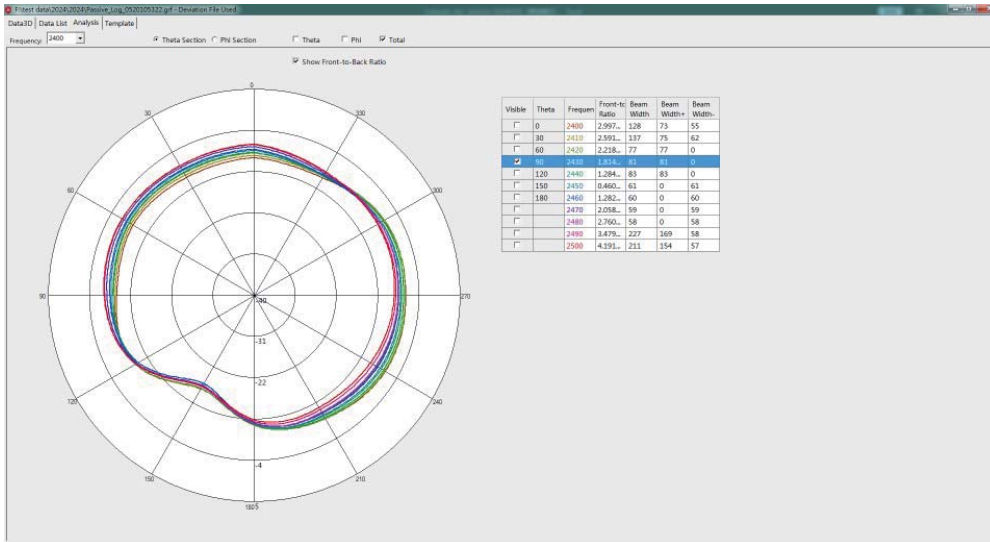
3D Antenna radiation pattern (R) :



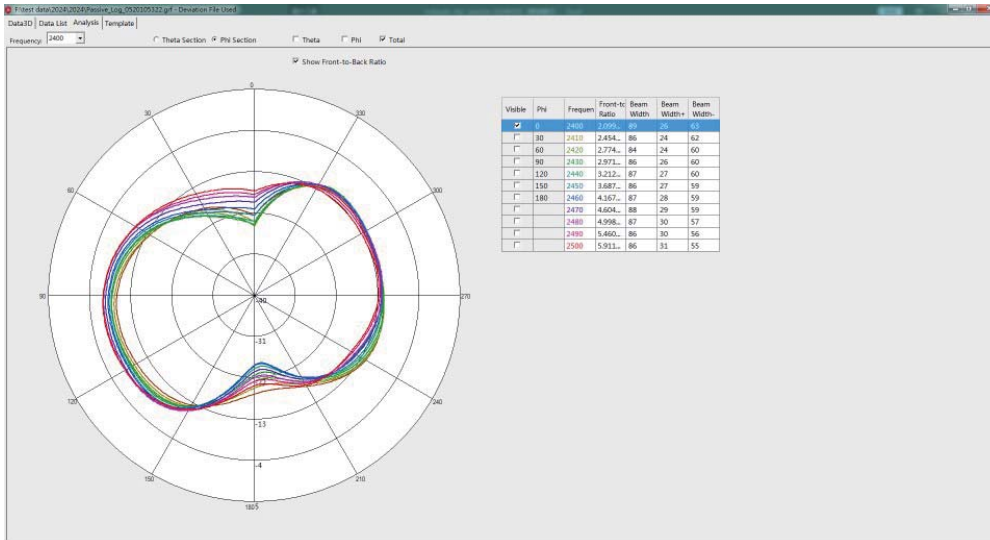


Antenna radiation pattern (L) :

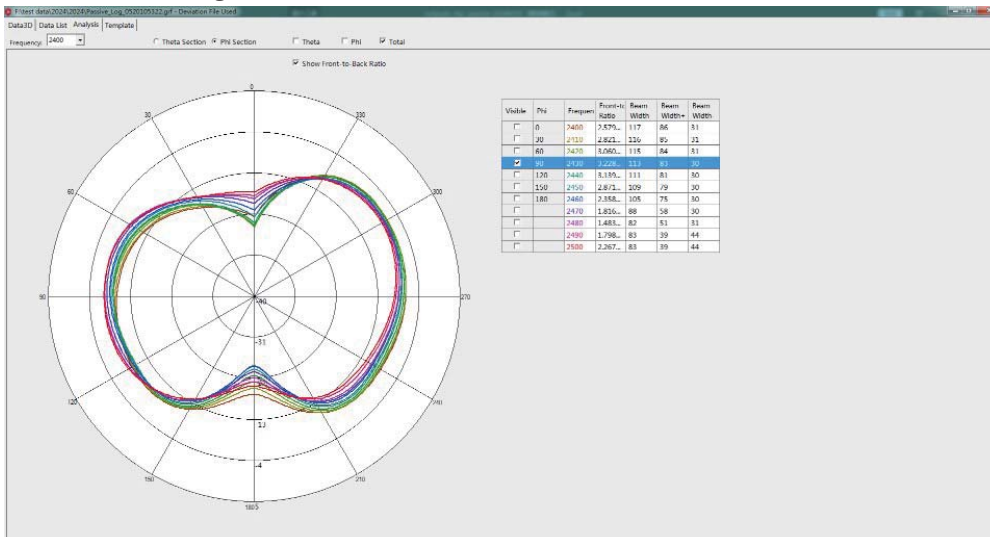
Theta=90.00deg



Phi=0.00deg



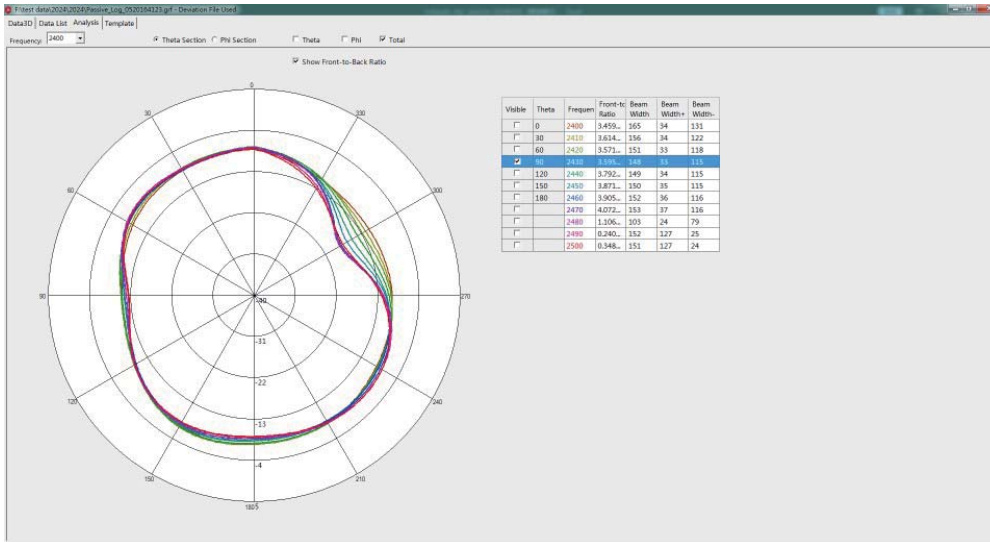
Phi=90.00deg



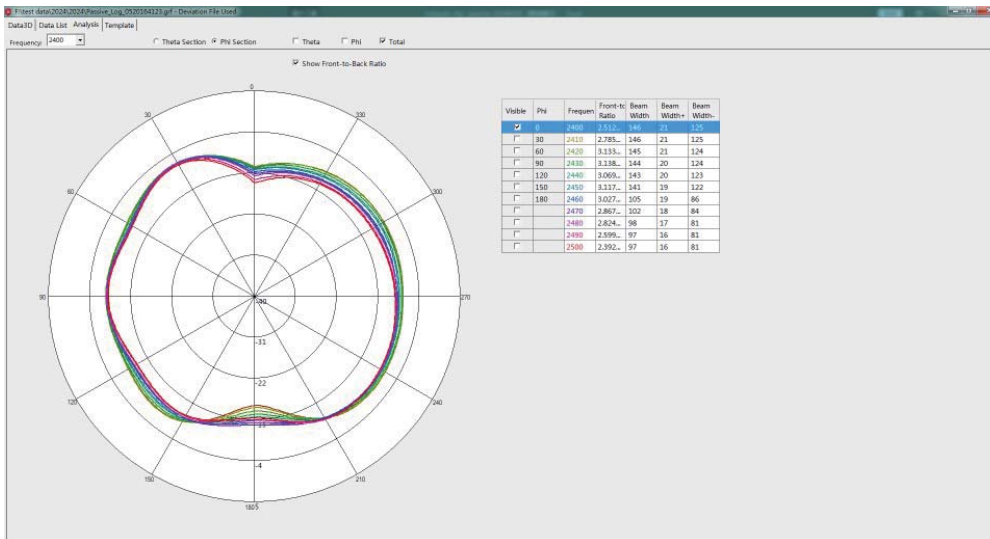


Antenna radiation pattern (R) :

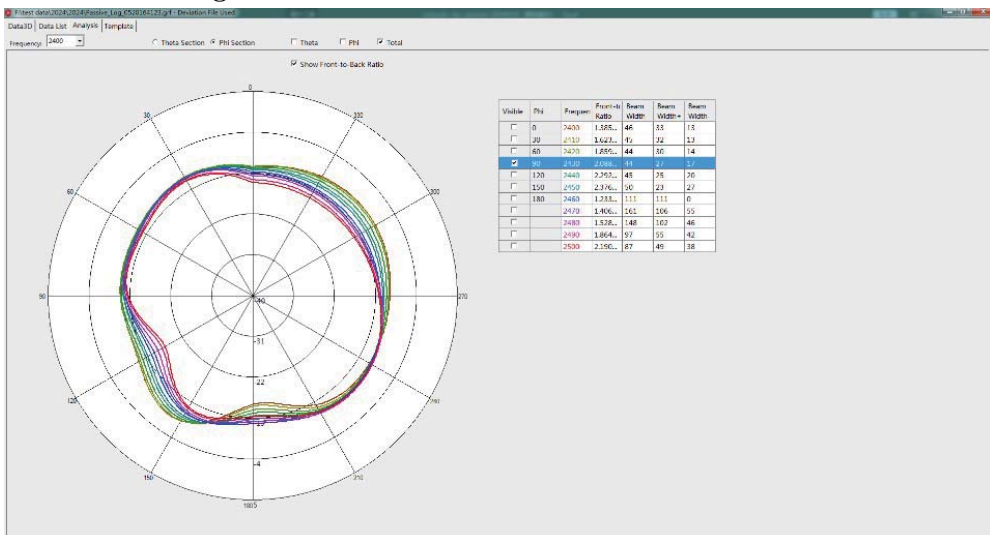
Theta=90.00deg



Phi=0.00deg



Phi=90.00deg





II: 3D Active test report of antenna

Free space	Channel	TRP (dBm)	TIS (dBm)
L	CH 0	5.0	-89.1
	CH 39	5.6	-89.4
	CH 78	5.3	-89.2

Headform	Channel	TRP (dBm)	TIS (dBm)
L	CH 0	-1.8	-81.4
	CH 39	-1.2	-82.0
	CH 78	-1.0	-82.3

Free space	Channel	TRP (dBm)	TIS (dBm)
R	CH 0	5.3	-89.3
	CH 39	5.7	-89.4
	CH 78	5.5	-89.5

Headform	Channel	TRP (dBm)	TIS (dBm)
R	CH 0	-1.4	-82.2
	CH 39	-1.0	-82.3
	CH 78	-1.0	-82.6



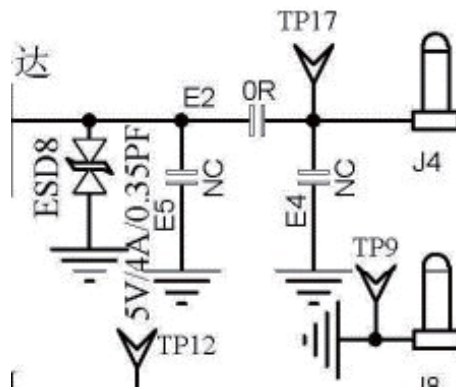
OTA Standard Chamber



III: Matching circuit

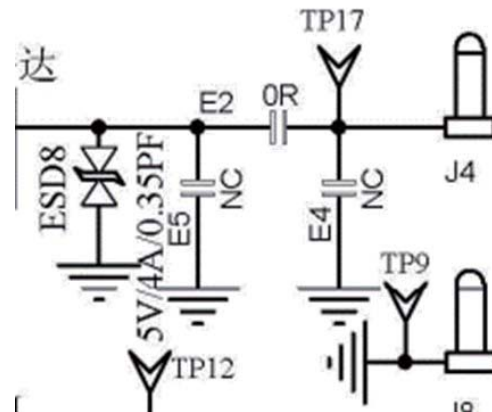
L:

Element	Value
E4	N/A
E2	0Ω
E5	N/A



R:

Element	Value
E4	N/A
E2	0Ω
E5	N/A





IV: Structure file

