



# Antenna Part Specification

Project name:	Tune Buds
Material category:	FPC
Antenna type:	Single stage antenna
Version:	V1.0
Date:	2022. 11. 08



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



I: Antenna location

please refer to the internal photo.

The antenna is on the inner surface of the headphone cover

II: Manufacturer Information

①Name of manufacturer

Shenzhen Cicent Communication Technology Co., Ltd.

②Address

505-506 ,ABlock,Donglian Building,Chuangye 2 road,Baoan District,Shenzhen,Guangdong,P.R china

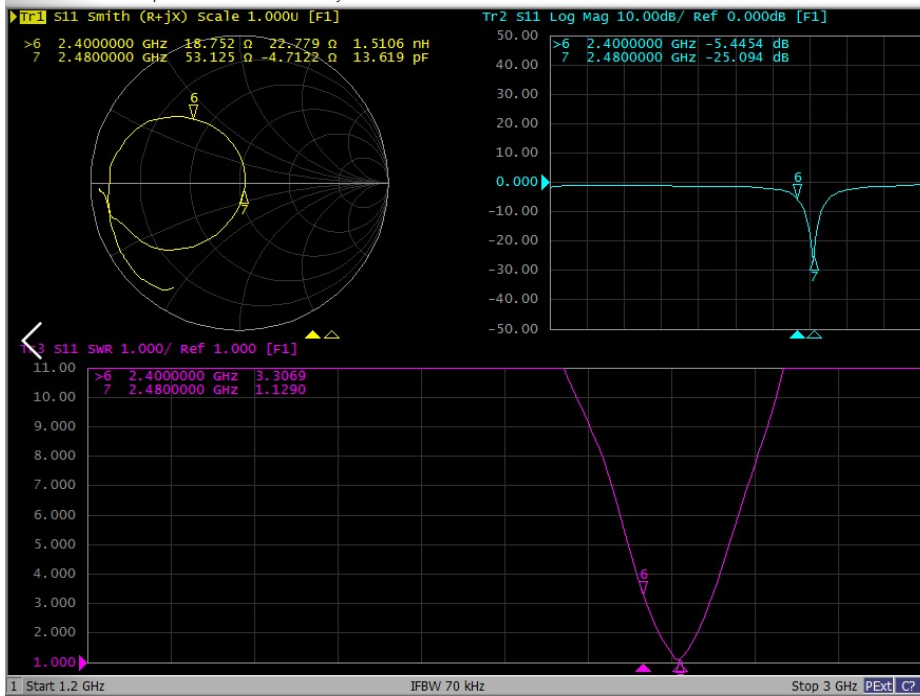


III: The report of passive data



Angilent E5071C

Antenna S11 parameter test situation



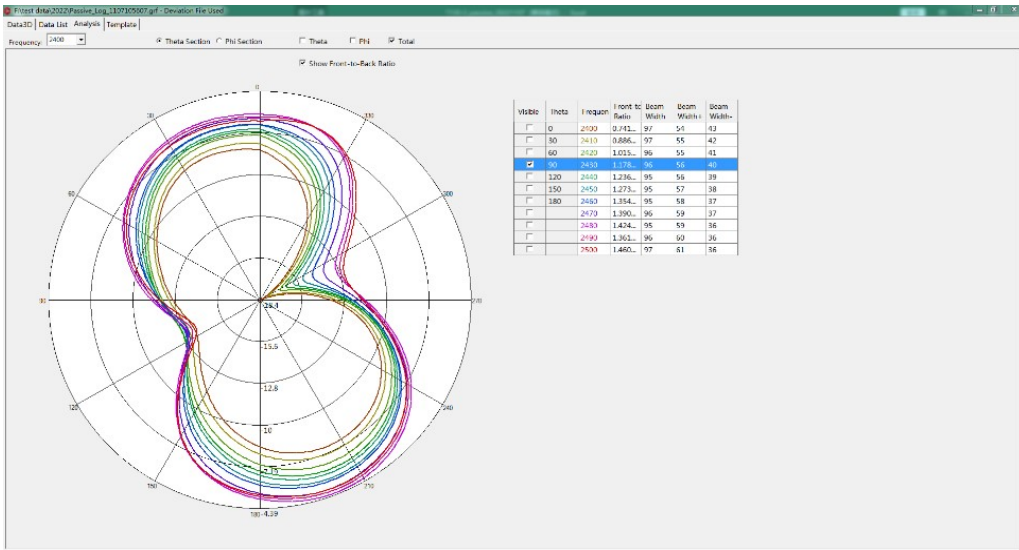
Efficiency:

2400-2480 MHz			
Frequency (MHz)	Gain (dBi)	Efficiency (dB )	Efficiency
2400	-7.3	-9.6	11.0
2410	-6.8	-9.1	12.4
2420	-6.3	-8.5	14.0
2430	-5.9	-8.2	15.0
2440	-5.7	-8.0	16.0
2450	-5.3	-7.6	17.5
2460	-5.1	-7.4	18.2
2470	-4.6	-7.0	20.1
2480	-4.4	-6.7	21.6
Average value	-5.72	-8.00	16.2

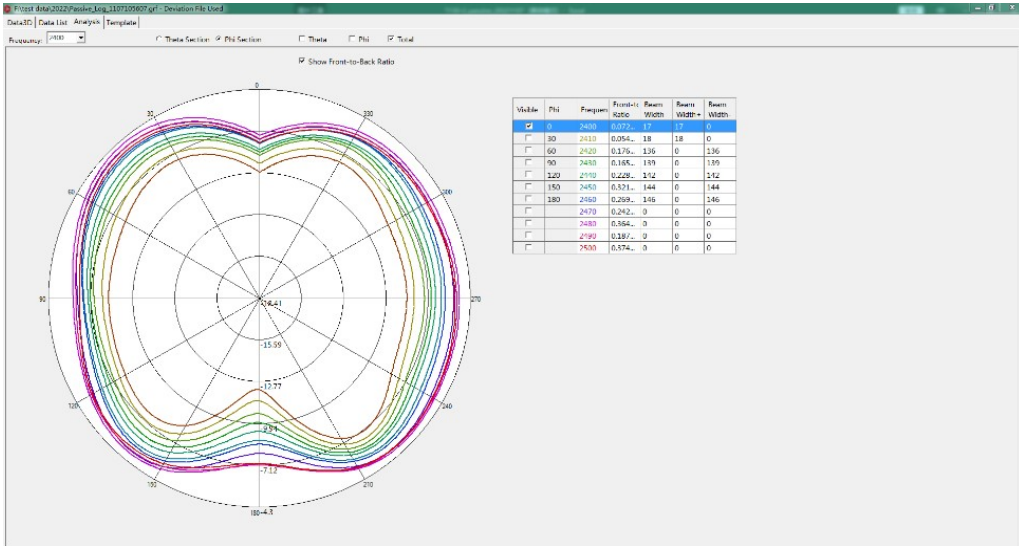


### Antenna radiation pattern:

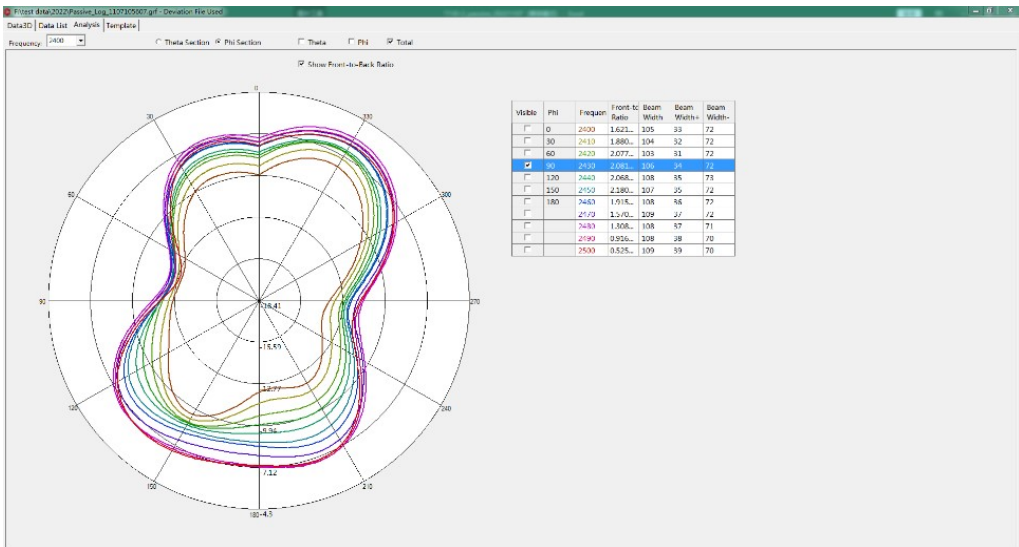
Theta=90°



Phi=0°

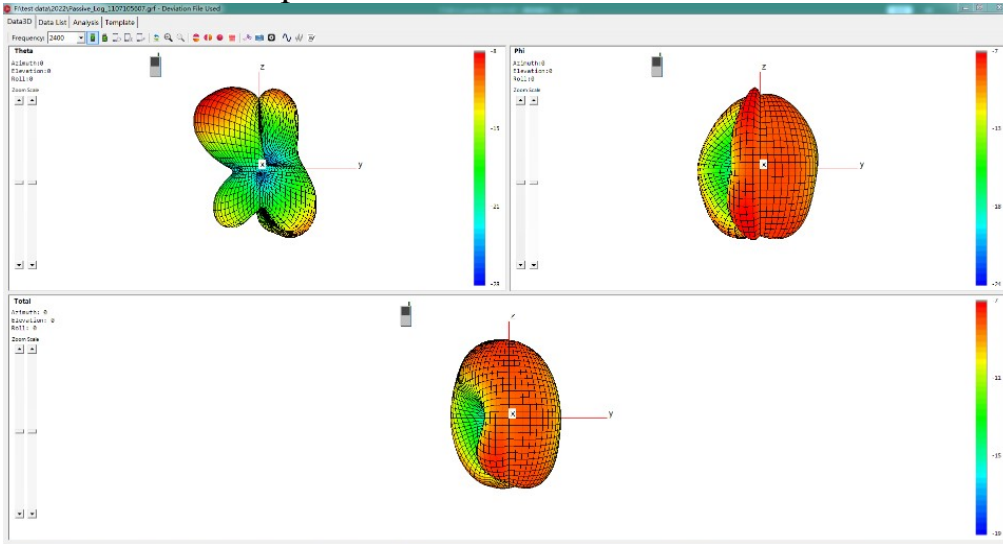


Phi=90°



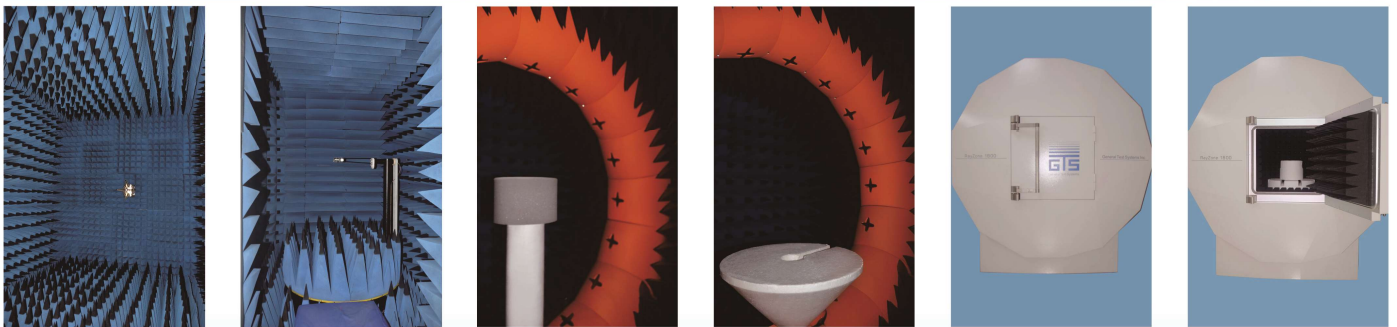


### Antenna radiation pattern 3D :



### IV: 3D Active test report of antenna

	Channel	TRP (dBm)	TIS (dBm)
L	CH 0	6.4	-86.2
	CH 39	7.5	-88.1
	CH 78	7.2	-88.0



OTA Standard Chamber



V: Matching circuit

please refer to schematics.