



# 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

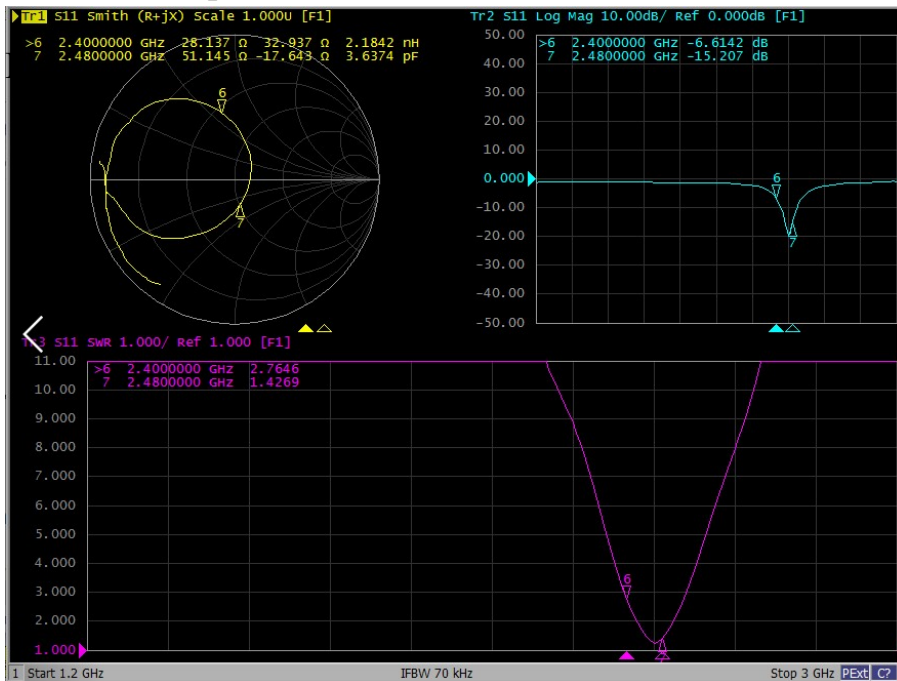


III: The report of passive data



Angilent E5071C

Antenna S11 parameter test situation



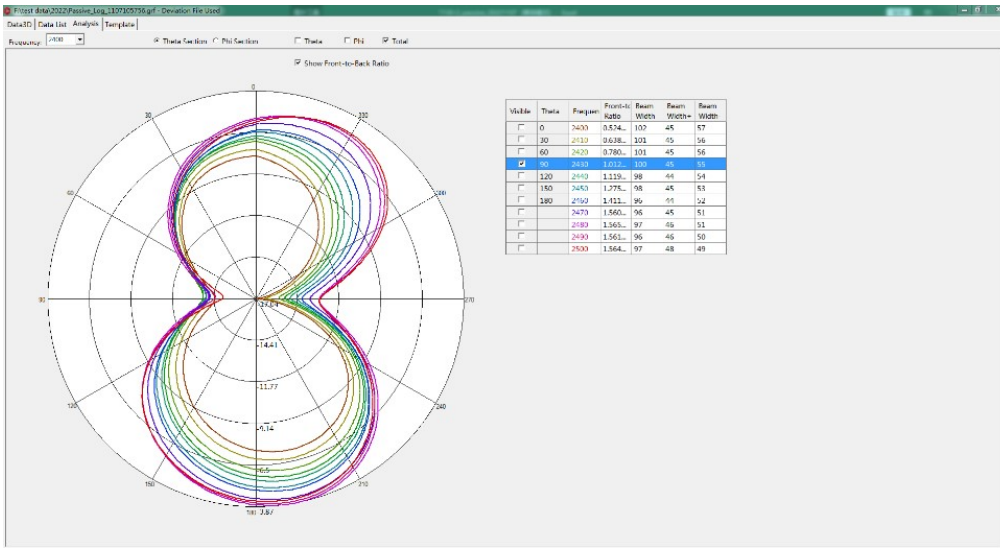
Efficiency:

2400-2480 MHz			
Frequency (MHz)	Gain (dBi)	Efficiency (dB )	Efficiency
2400	-5.7	-8.3	14.9
2410	-5.5	-8.0	16.0
2420	-5.3	-7.7	16.9
2430	-5.0	-7.3	18.5
2440	-4.9	-7.1	19.3
2450	-4.4	-6.7	21.4
2460	-4.0	-6.3	23.2
2470	-4.1	-6.4	22.7
2480	-4.2	-6.5	22.3
Average value	-4.79	-7.16	19.47

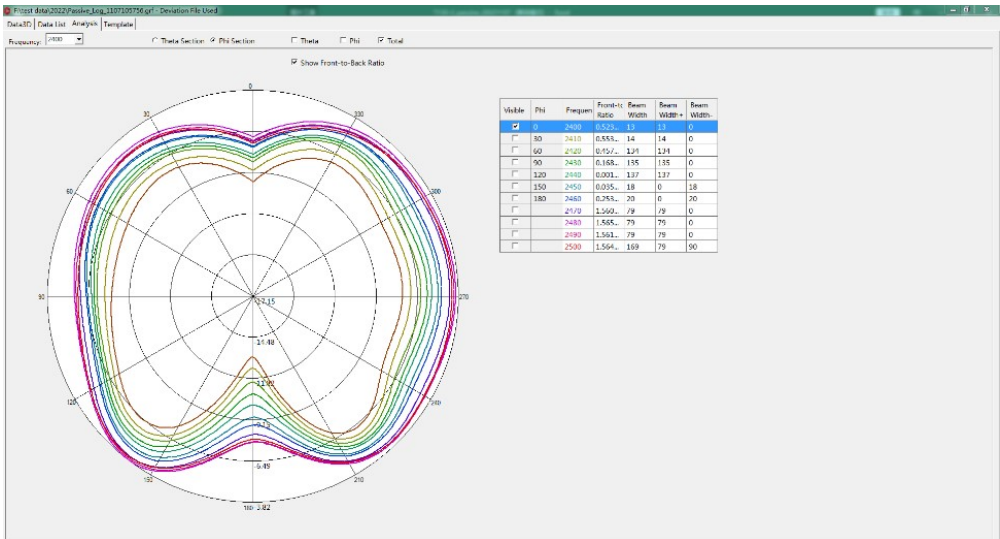


### Antenna radiation pattern:

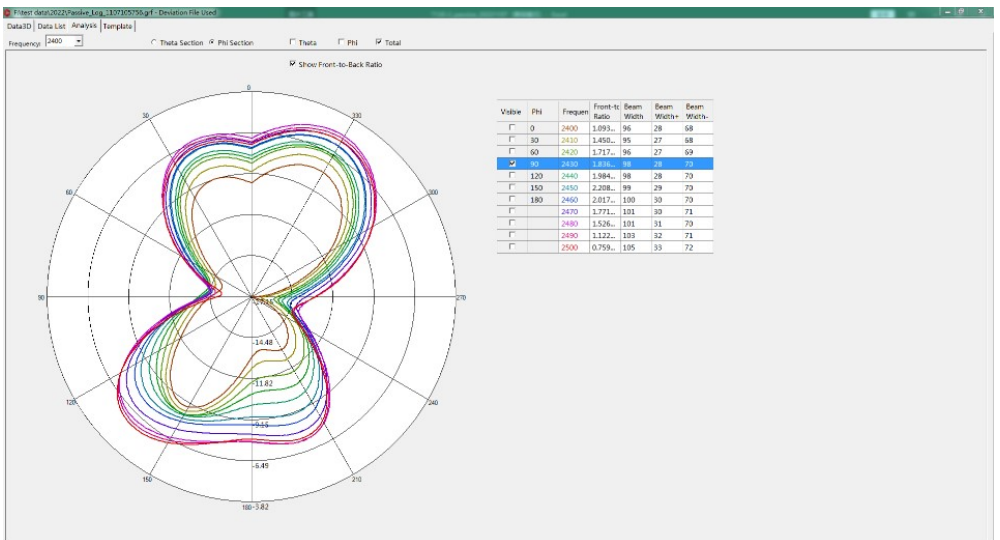
Theta=90°



Phi=0°

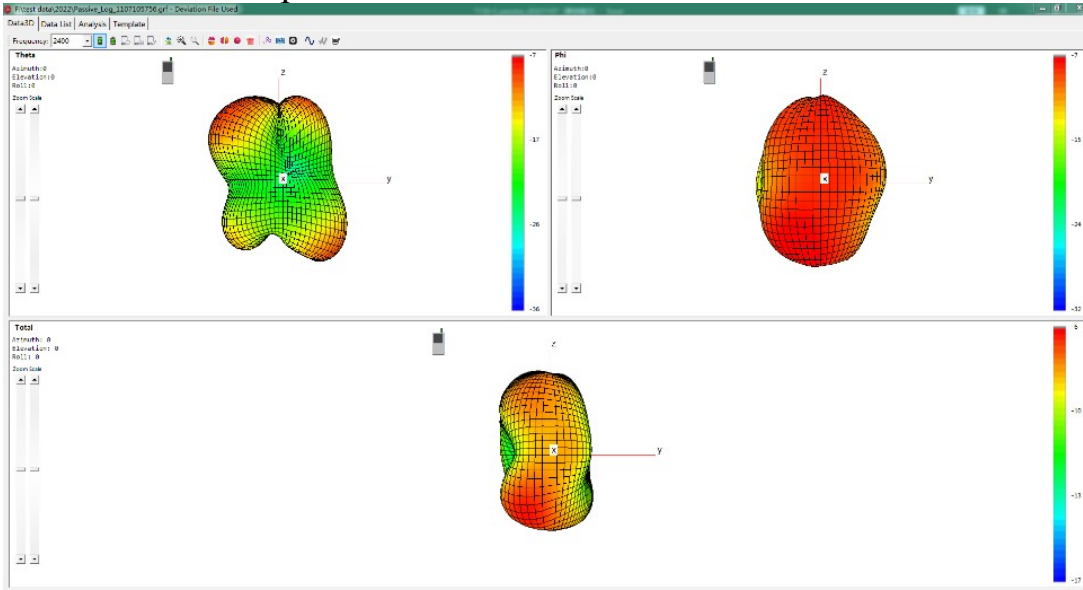


Phi=90°





### Antenna radiation pattern 3D :



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

	Channel	TRP (dBm)	TIS (dBm)
R	CH 0	6.3	-86.7
	CH 39	7.8	-88.3
	CH 78	7.3	-88.2



OTA Standard Chamber



V: Matching circuit

please refer to the schematics.