



Antenna Specification

Manufacture:	Shenzhen Cicent Communication Technology Co., Ltd.
Address:	505-506 ,ABlock,Donglian Building,Chuangye 2 road,Baoan District,Shenzhen,Guangdong,P.R china
Model:	CE-2199B-ANT-R
Ant. Type:	PIFA Antenna
Version:	V1.0
Date:	2024.04.19

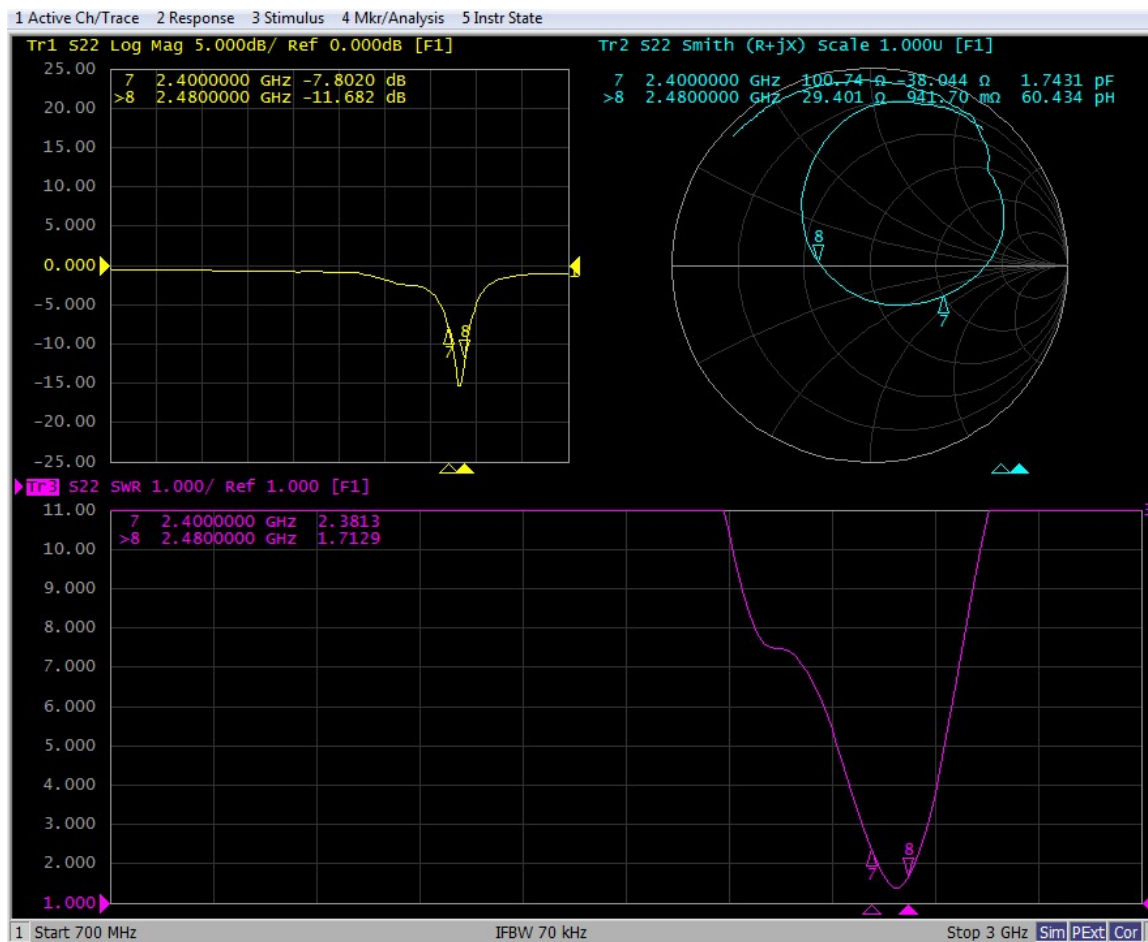


一: Passive test report



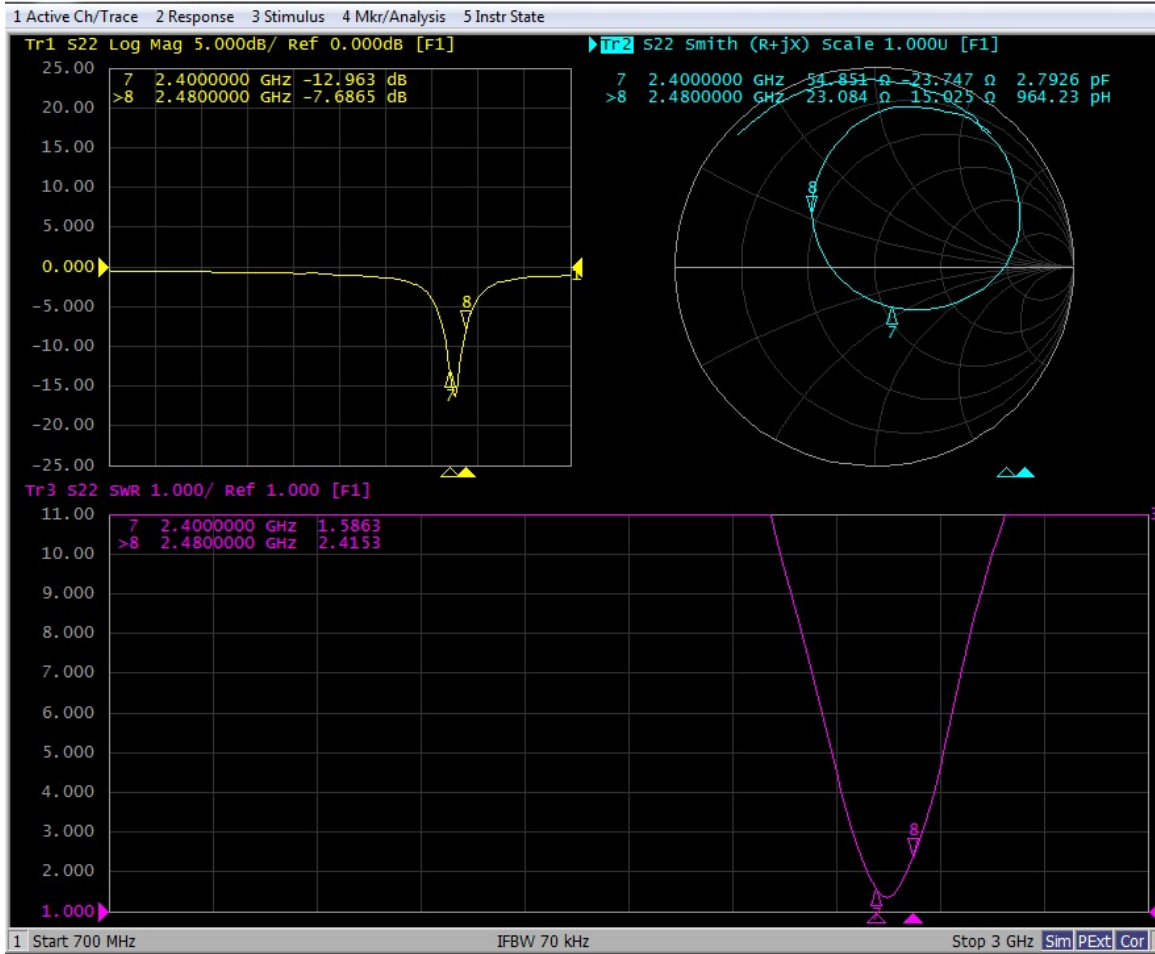
Agilent E5071C

Right Earbuds BT Ant. S11 parameter (Freespace)





Right Earbuds BT Ant. S11 parameter (Head)

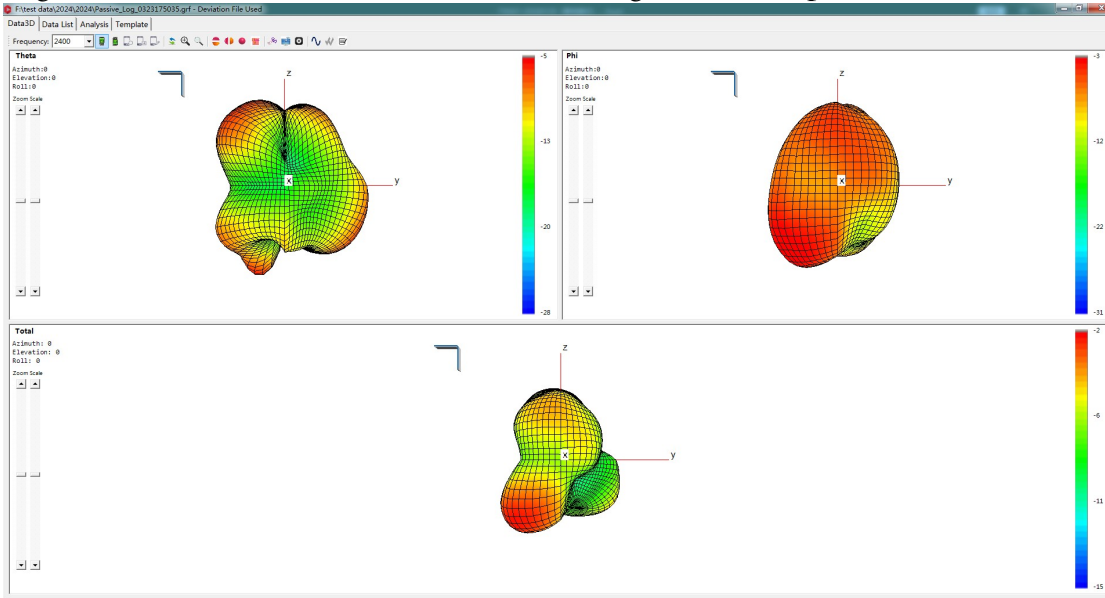


Right Earbuds BT Ant. efficiency and gain:

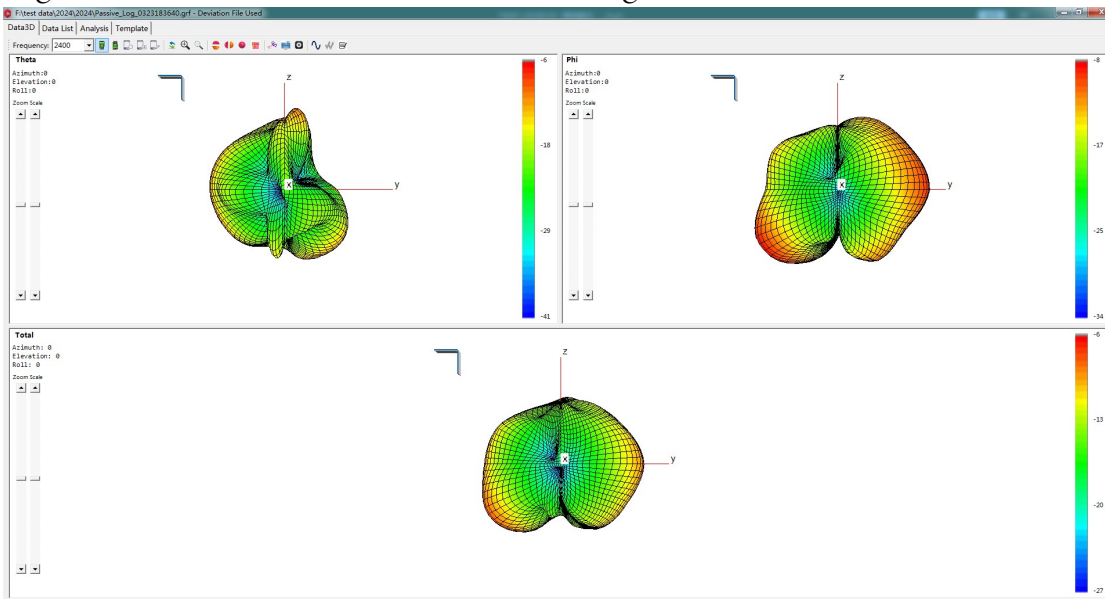
Freespace				Head			
Frequency(MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)	Frequency(MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	24.7	-6.1	-2.5	2400	7.0	-11.6	-6.1
2410	24.9	-6.0	-2.4	2410	7.3	-11.4	-5.8
2420	24.5	-6.1	-2.4	2420	7.6	-11.2	-5.4
2430	25.4	-6.0	-2.5	2430	7.5	-11.3	-5.5
2440	24.9	-6.0	-2.7	2440	7.2	-11.4	-5.6
2450	25.4	-6.0	-2.7	2450	7.4	-11.3	-5.5
2460	24.9	-6.0	-2.9	2460	7.1	-11.5	-5.5
2470	25.1	-6.0	-2.7	2470	7.4	-11.3	-5.3
2480	23.8	-6.2	-2.7	2480	7.5	-11.3	-5.2
Ave.	24.8	-6.1	-2.6	Ave.	7.3	-11.4	-5.5



Right Earbuds BT Ant. 3D directional diagram (freespace) :



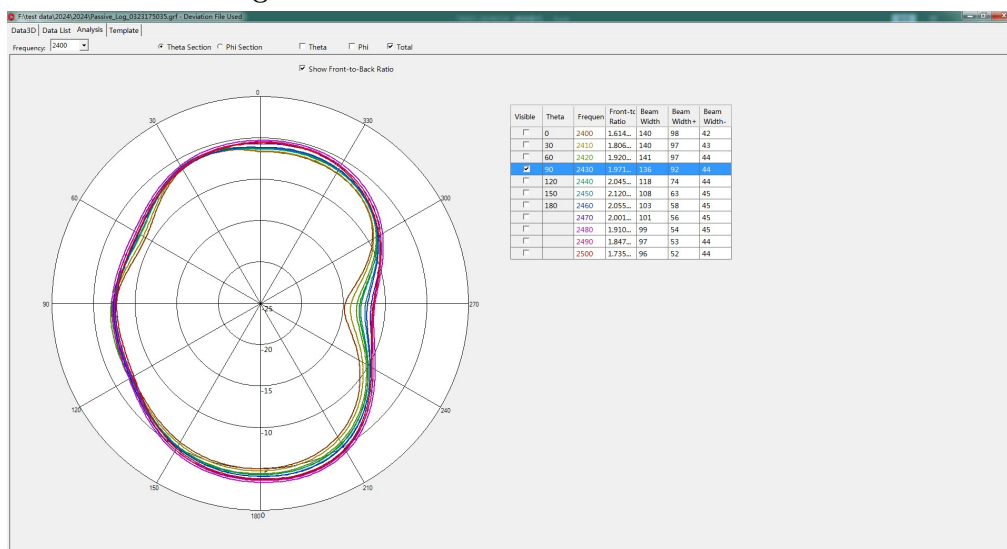
Right Earbuds BT Ant. 3D directional diagram (head) :



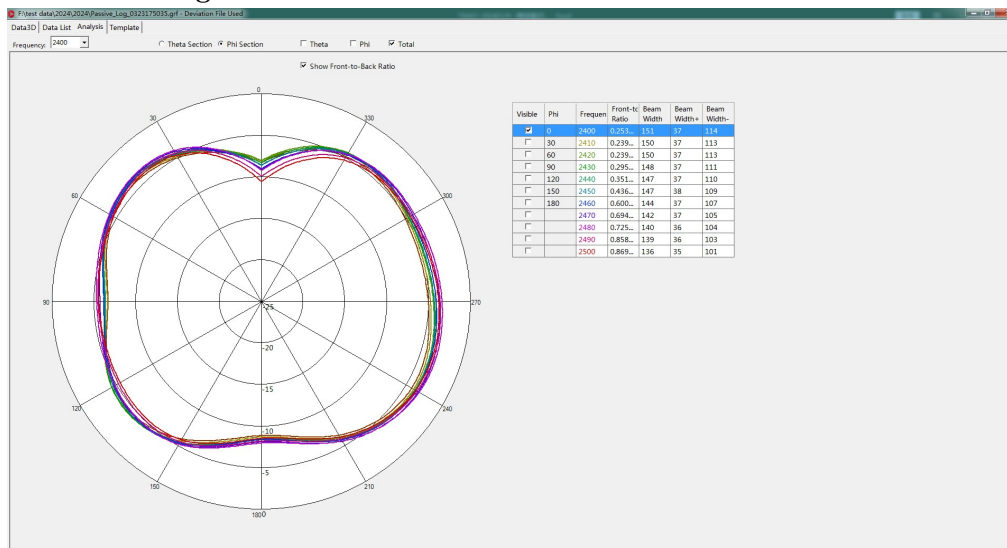


Right Earbuds BT Ant. 2D directional diagram (freespace) :

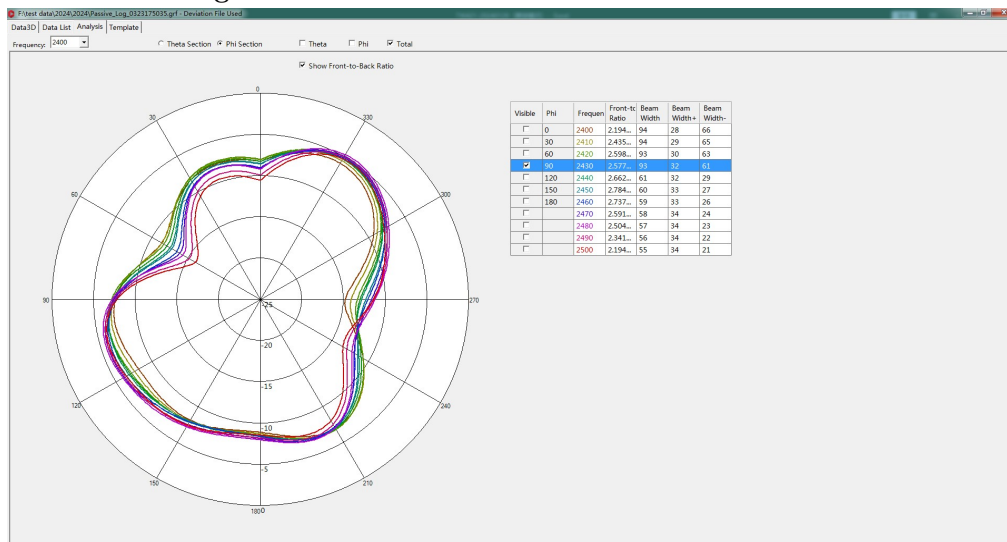
Theta=90.00deg



Phi=0.00deg

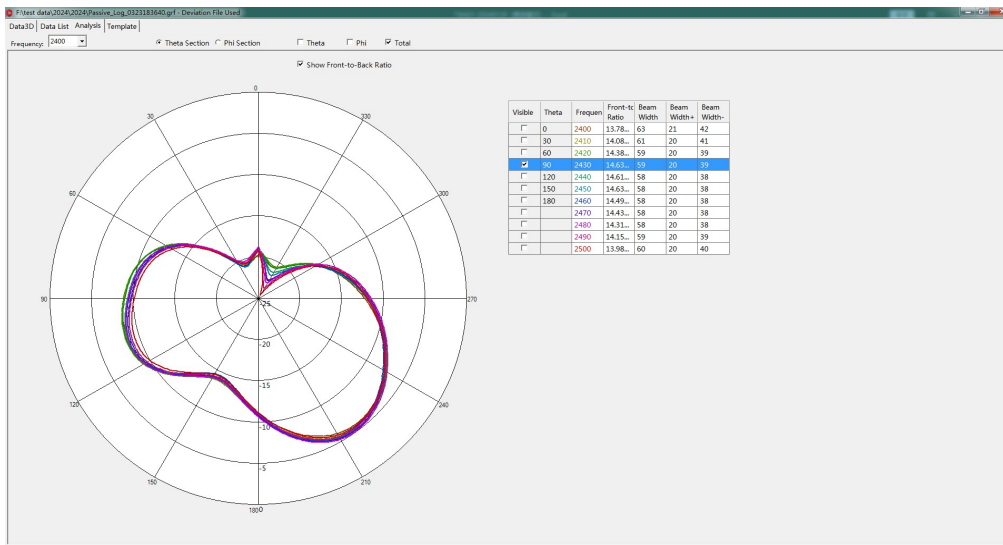


Phi=90.00deg

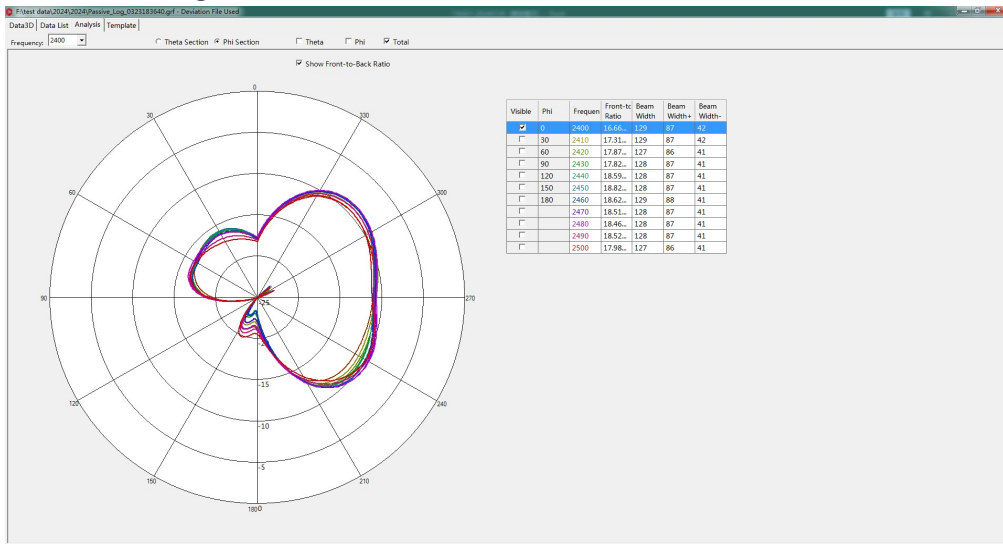




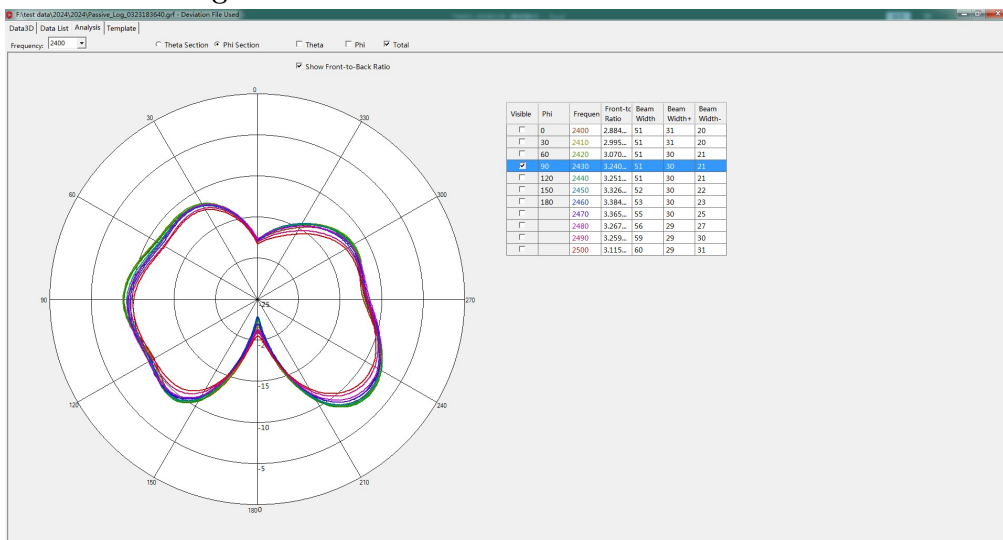
Right Earbuds BT Ant. 2D directional diagram (freespace) :
Theta=90.00deg



Phi=0.00deg



Phi=90.00deg





二：BT Ant. 3D OTA Data

R	Channel	TRP (dBm)	TIS (dBm)
Freespace	CH 0	2.6	-87.2
	CH 39	4.2	-89.8
	CH 78	3.9	-90.3

R	Channel	TRP (dBm)	TIS (dBm)
Head	CH 0	-2.3	-82.3
	CH 39	-1.8	-84.0
	CH 78	-2.0	-84.3



OTA Standard Chamber



五: Structural drawing file

