



Antenna Part Specification

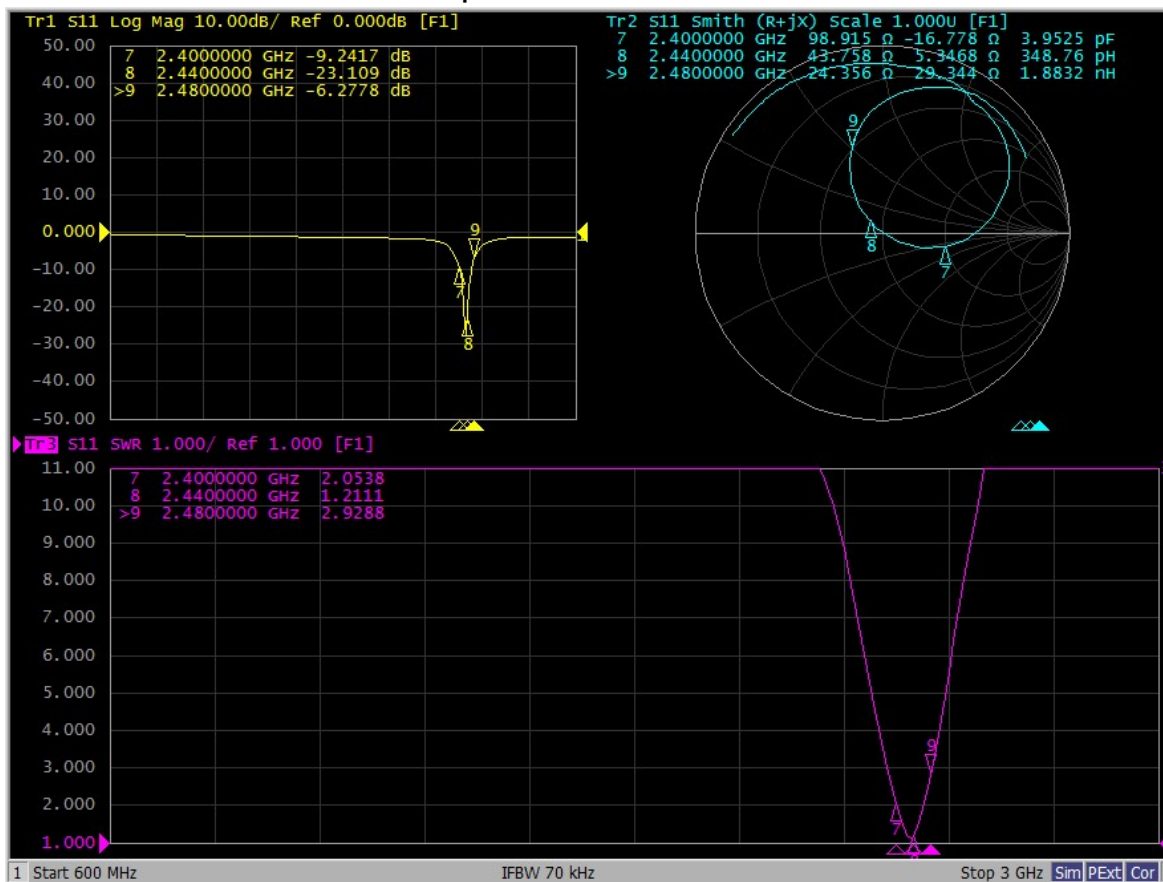
Customer name :	Jiahe
Project name :	CE-2203B
Material category :	BT antenna
Ant Type:	FPC Antenna
Version:	V1.0
Date:	2024.06.28

1. The report of passive data



Angilent E5071C

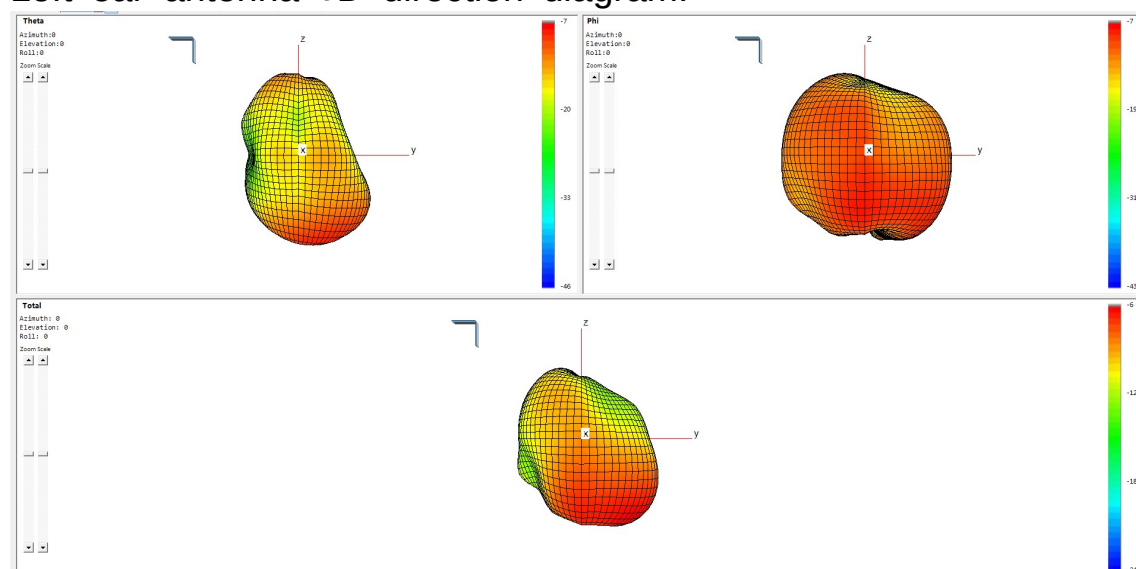
Left ear BT antenna S11 parameters



Left ear BT antenna efficiency and gain:

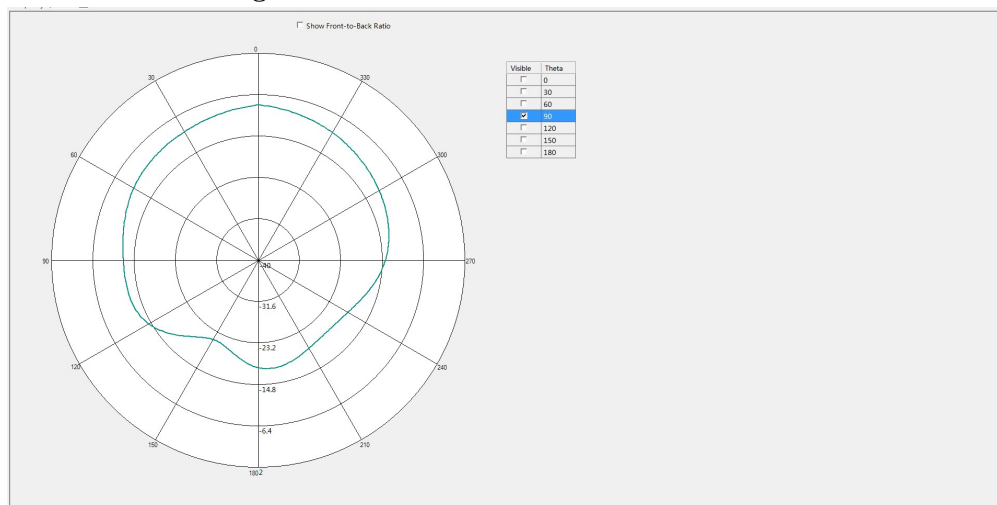
Left ear free space				Left ear head mold			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency %	Frequency MHz	Gain (dBi)	Efficiency (dB)	Efficiency %
2400	-3.14	-6.16	24.20	2400	-4.78	-10.17	9.62
2410	-2.79	-5.94	25.45	2410	-4.59	-9.96	10.10
2420	-2.56	-5.85	26.02	2420	-4.59	-9.84	10.37
2430	-2.35	-5.69	27.00	2430	-4.67	-9.80	10.47
2440	-2.24	-5.58	27.65	2440	-4.61	-9.68	10.77
2450	-2.19	-5.63	27.38	2450	-4.77	-9.70	10.72
2460	-2.33	-5.74	26.69	2460	-4.45	-9.50	11.22
2470	-2.40	-5.74	26.69	2470	-4.29	-9.41	11.44
2480	-2.70	-5.89	25.77	2480	-4.53	-9.61	10.95
AVG	-2.52	-5.80	26.32	AVG	-4.59	-9.74	10.63

Left ear antenna 3D direction diagram:

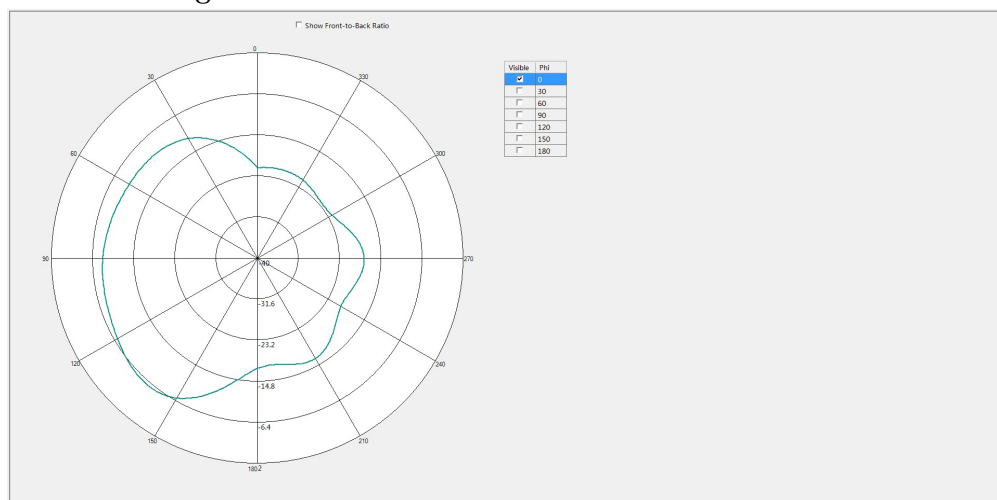


Left ear antenna 2D direction diagram:

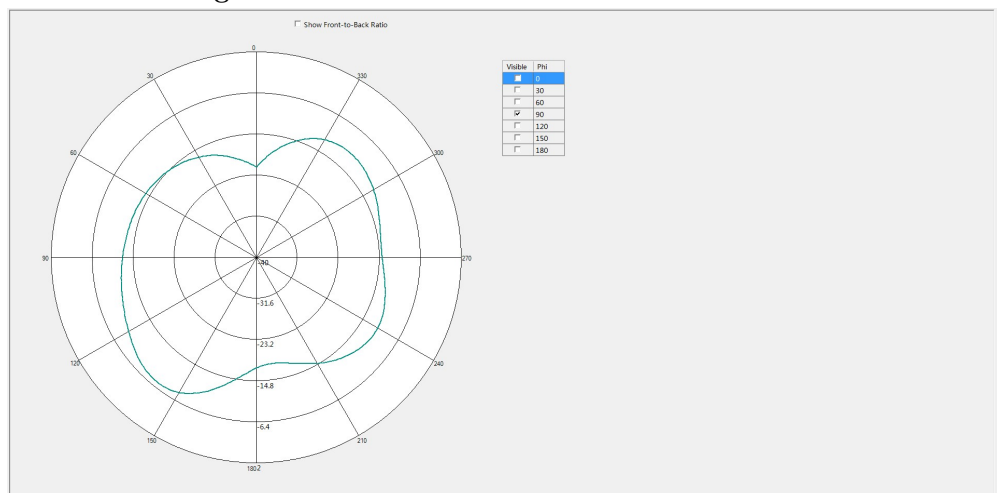
Theta=90.00deg



Phi=0.00deg



Phi=90.00deg



2: BT antenna 3D darkroom data

L	Channel	TRP (dBm)	TIS (dBm)
Free space	CH 0	3.6	-88.9
	CH 39	5.2	-89.7
	CH 78	3.1	-88.3

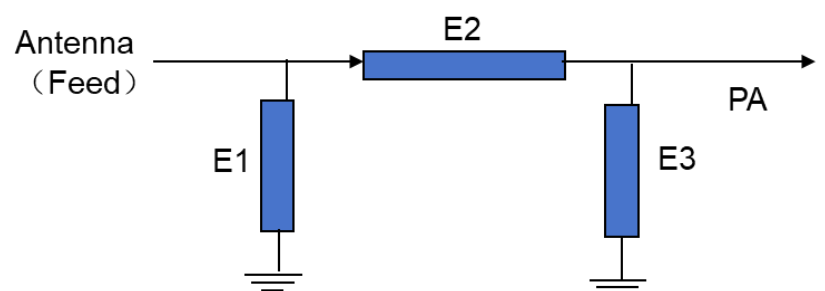
L	Channel	TRP (dBm)	TIS (dBm)
headform	CH 0	-0.2	-85.1
	CH 39	1.6	-85.9
	CH 78	-0.2	-85.0



OTA Standard Chamber

3: Matching circuit

No.	Match Value
C7	N/A
L9	0 Ω
C5	N/A



4: Structure drawing file

