



Antenna Part Specification

Customer name:	SHENZHEN SWETZ SOUND TECHNOLOGY CO., LIMITED
Project name:	TE252B(S6)
Antenna type:	FPC-Antenna
Antenna morphology:	FPC
Version:	V1.0
Date:	2024.11.26
Manufacturer:	Shenzhen Cicent Communication Technology Co., Ltd.
Manufacturer 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
2024.11.26	First edition	First edition	V1.0

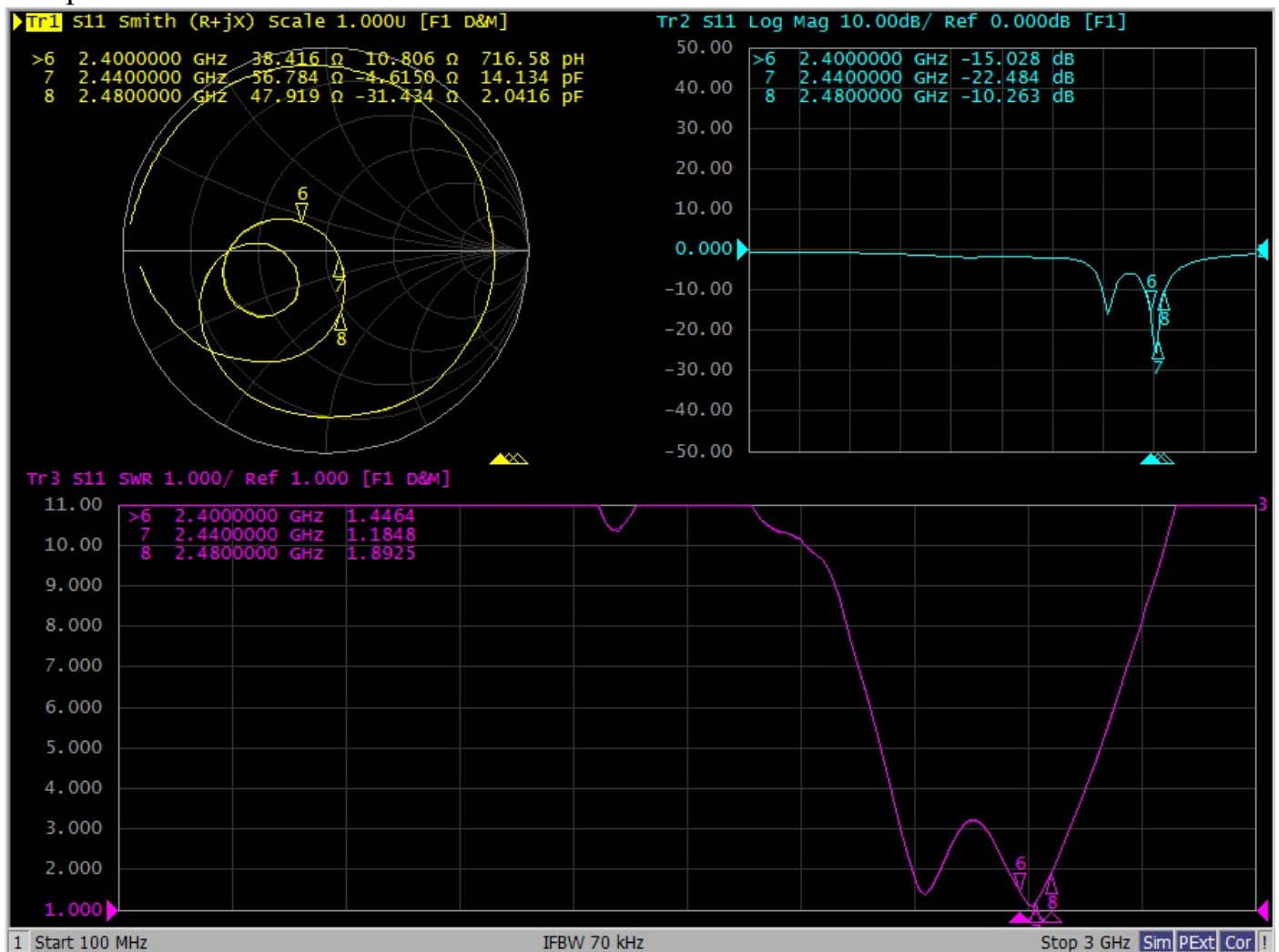


I: The report of passive data



Angilent E5071C

S11 parameter:

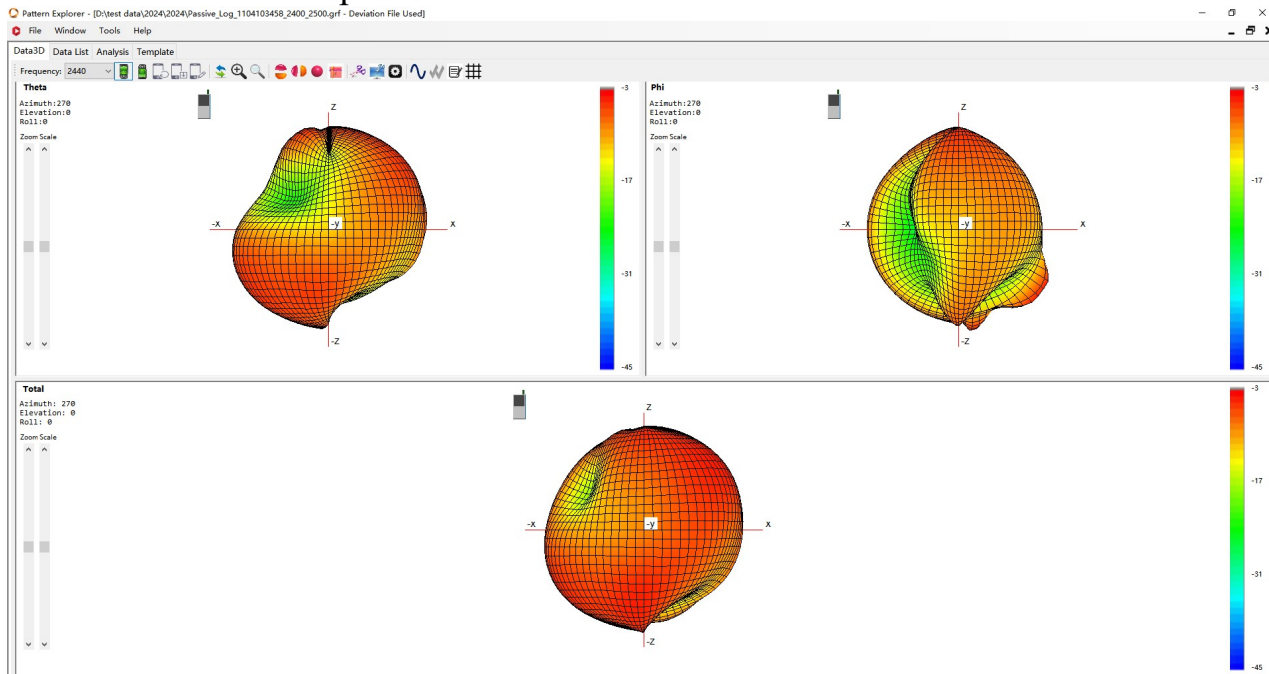




Efficiency:

Frequency (MHz)	Gain (dBi)	Efficiency (db)	Efficiency (%)
2400	-3.13	-6.45	22.66
2410	-3.05	-6.33	23.27
2420	-3.14	-6.29	23.50
2430	-3.38	-6.45	22.65
2440	-3.68	-6.66	21.58
2450	-3.77	-6.56	22.08
2460	-4.04	-6.66	21.58
2470	-3.85	-6.39	22.97
2480	-3.46	-6.04	24.91
Average value	-3.50	-6.42	22.80

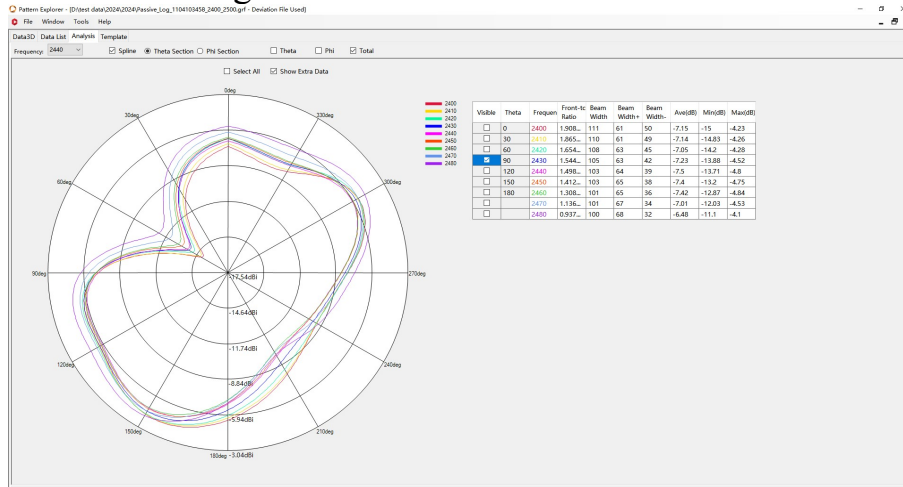
Antenna 3D radiation pattern:



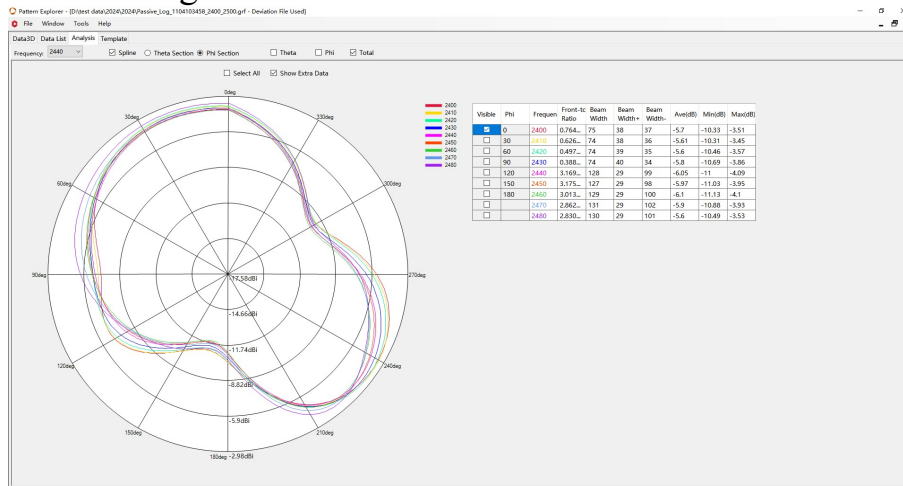


Antenna 2D radiation pattern:

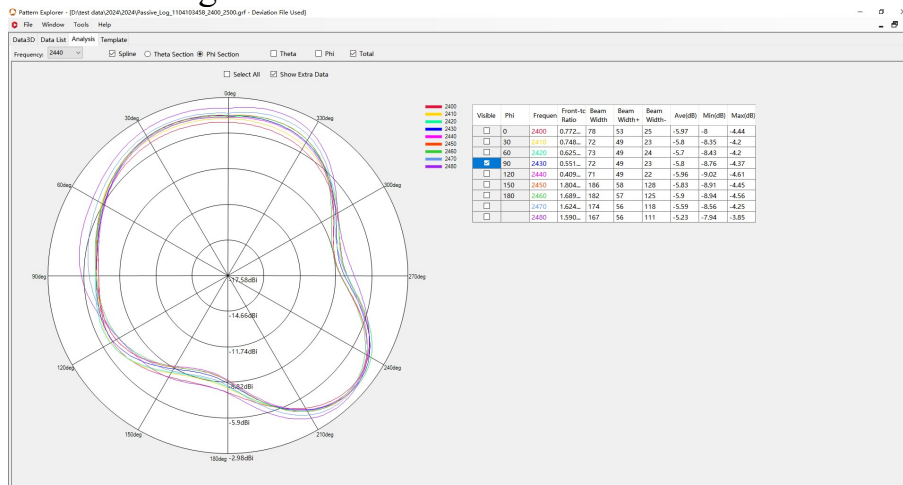
Theta=90.00deg



Phi=0.00deg



Phi=90.00deg





II: 3D Active test report of antenna

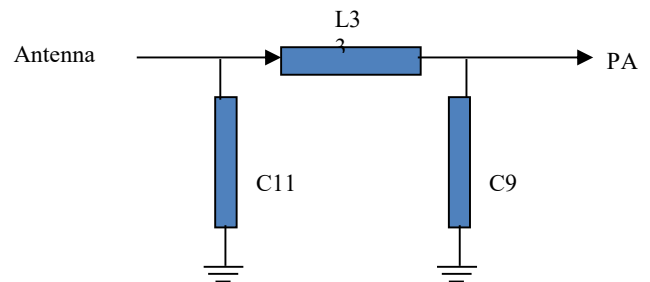
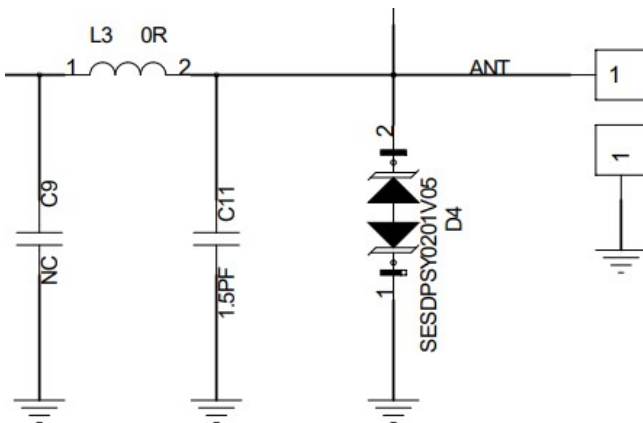
Free	Channel	TRP (dBm)	TIS (dBm)
	CH 0	8.2	-90.3
	CH 39	8.4	-90.9
	CH 78	7.8	-89.3

Headform	Channel	TRP (dBm)	TIS (dBm)
	CH 0	-1.1	-82.3
	CH 39	-1.2	-83.2
	CH 78	-1.5	-82.5



OTA Standard Chamber

III: Matching circuit



Element	Value
C11(0201)	1.5pF
L3(0201)	0Ω
C9(0201)	N/A

V: Structure file

