



Antenna Part Approved Sheet

Customer name:	Tianheng
Project name:	Sky Tag II
Material category:	BT antenna
Version:	V1.0
Date:	2023.09.15



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Change record			
Compile / change date	Reason for change	Changed content	Version
2023.09.15	first edition	first edition	V1.0

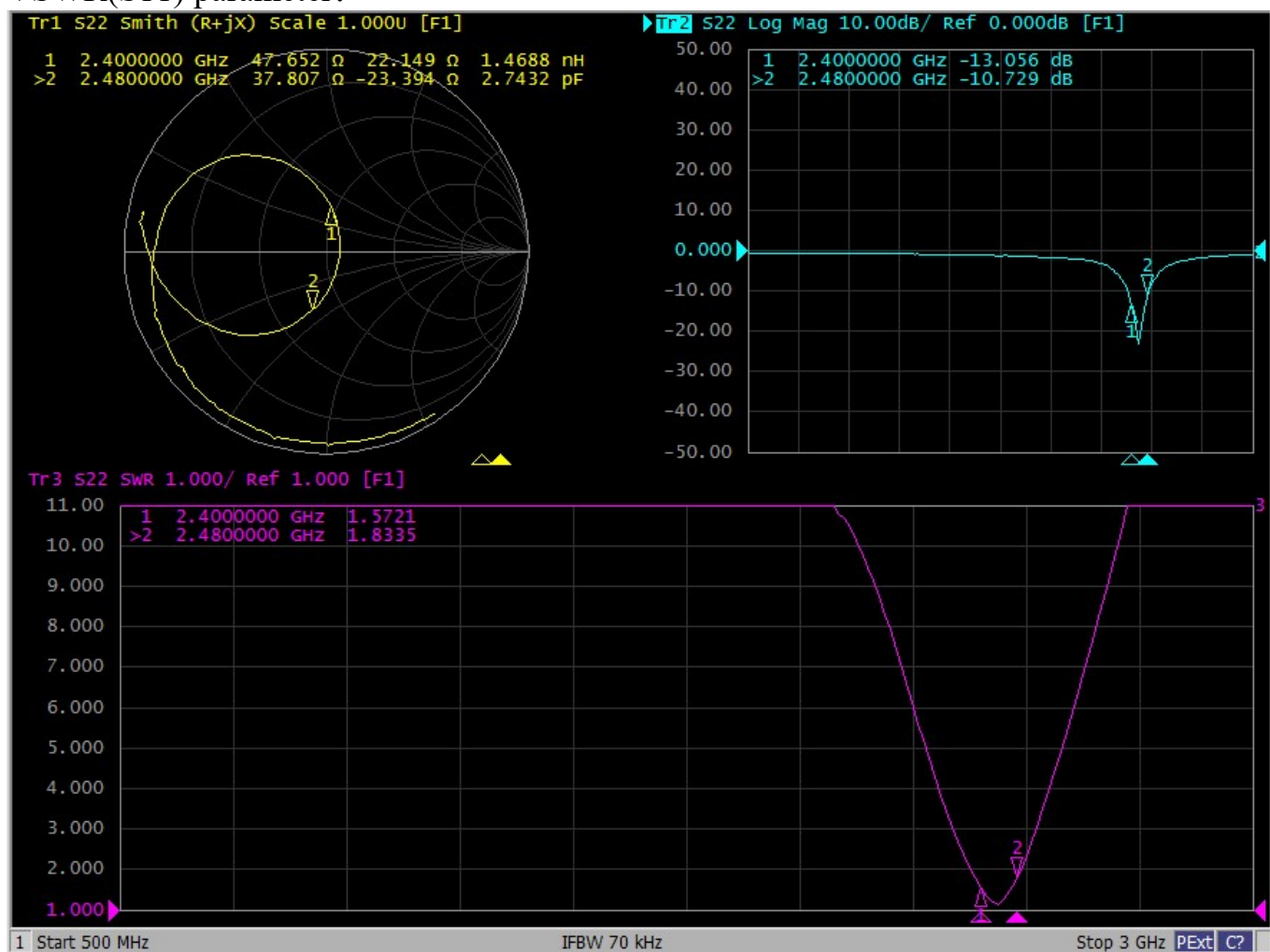


I: The report of passive data



Angilent E5071C

VSWR(S11) parameter:

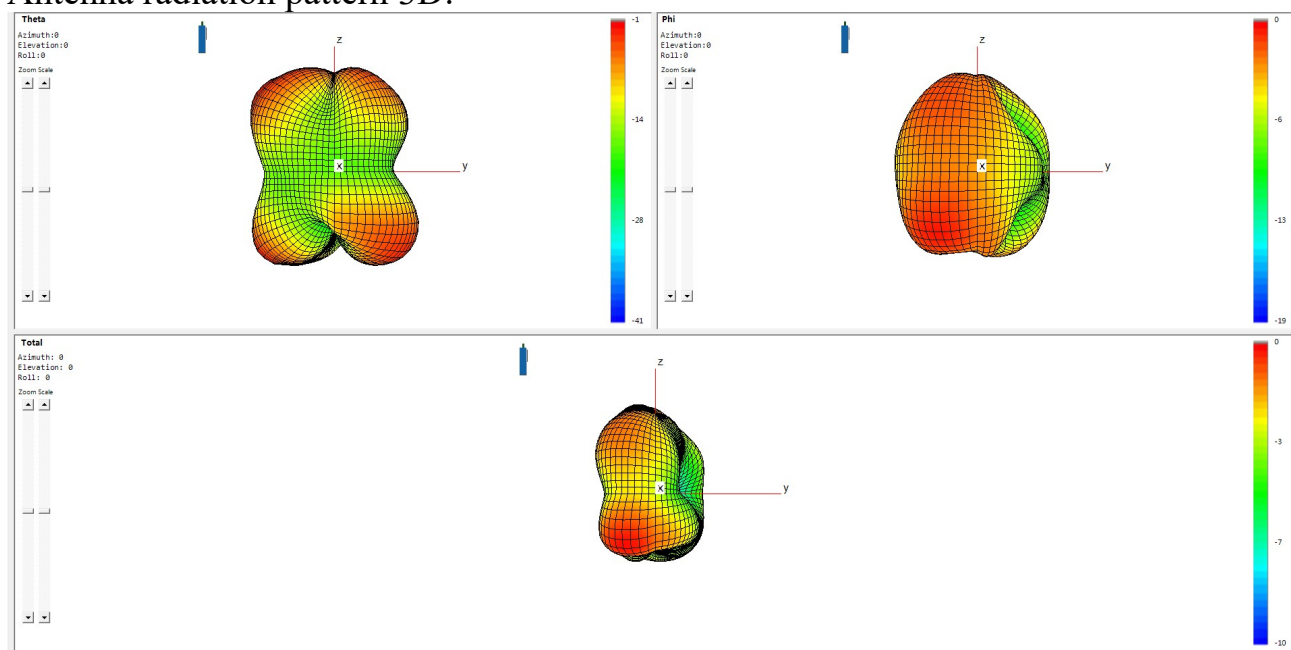




Efficiency:

2400-2480 MHz (Left ear)			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency
2400	-0.4	-3.2	48.2
2410	-0.4	-3.0	49.7
2420	-0.5	-3.0	50.3
2430	-0.7	-3.1	48.6
2440	-0.9	-3.3	46.5
2450	-0.9	-3.3	46.6
2460	-1.0	-3.5	44.4
2470	-0.9	-3.4	45.9
2480	-0.8	-3.3	47.0
Average value	-1.1	-3.6	43.2

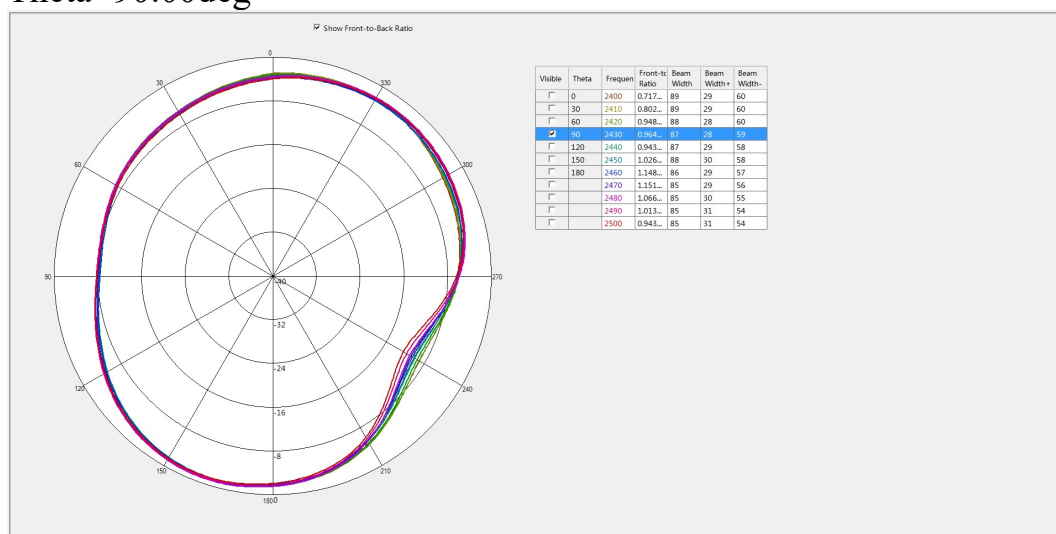
Antenna radiation pattern 3D:



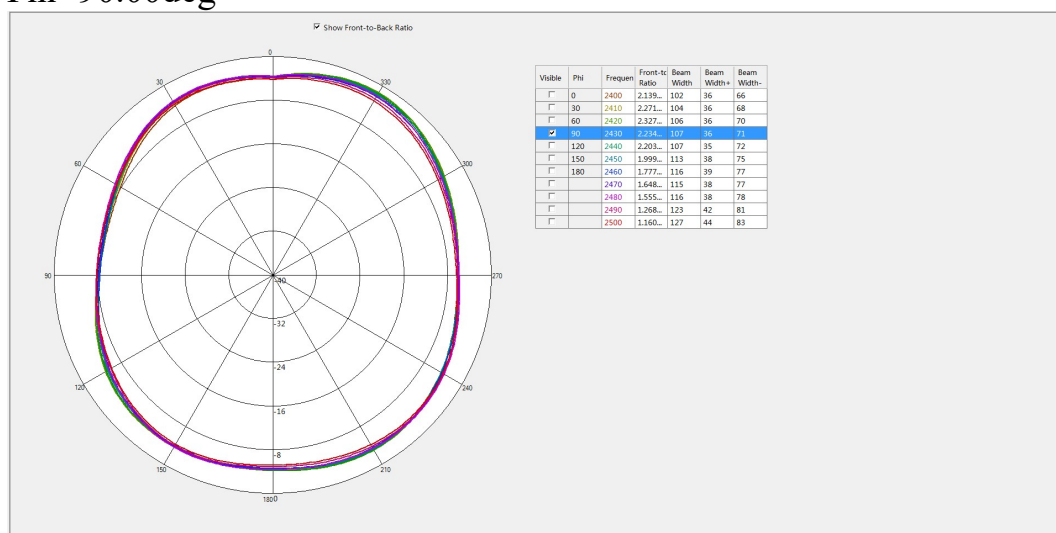


Antenna radiation pattern:

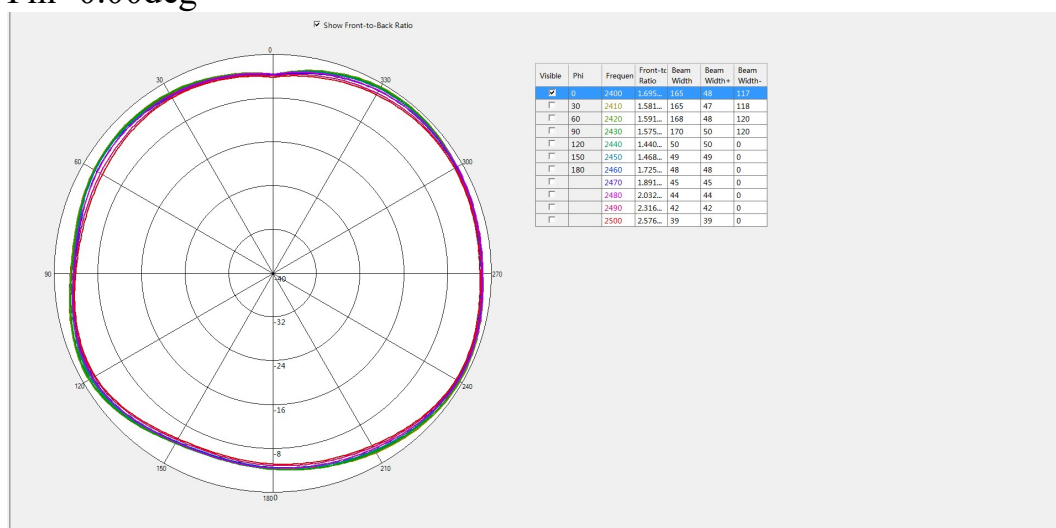
Theta=90.00deg



Phi=90.00deg



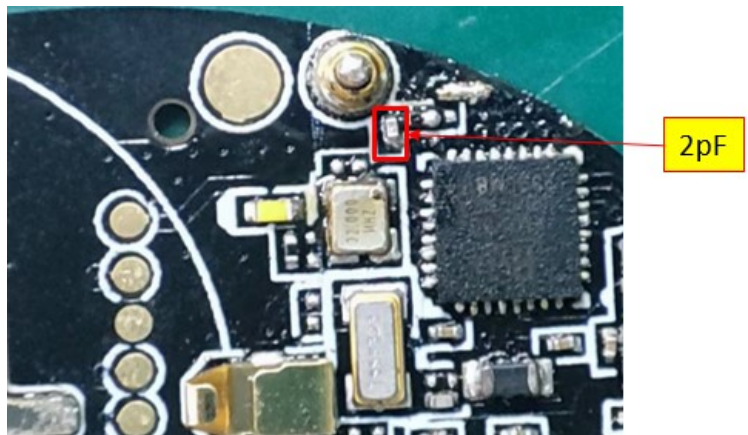
Phi=0.00deg





II: Matching circuit

Element	value
E1	2pF
E2	0Ω
E3	N/C





III: Structure file

