



Antenna Part Specification

Project name:	G195
Antenna type:	L-FPC Antenna
Antenna morphology:	PIFA
Version:	V1.0
Date:	2024.07.03



Contents

I: The report of passive data	3
II: 3D Active test report of antenna.....	6
III: Schematic diagram for modifying antenna matching circuit.....	7
IV: Handling of installation line length.....	7
V: Structure file	8

Change record			
Compile / change date	Reason for change	Changed content	Version
2024.07.03	First edition	First edition	V1.0

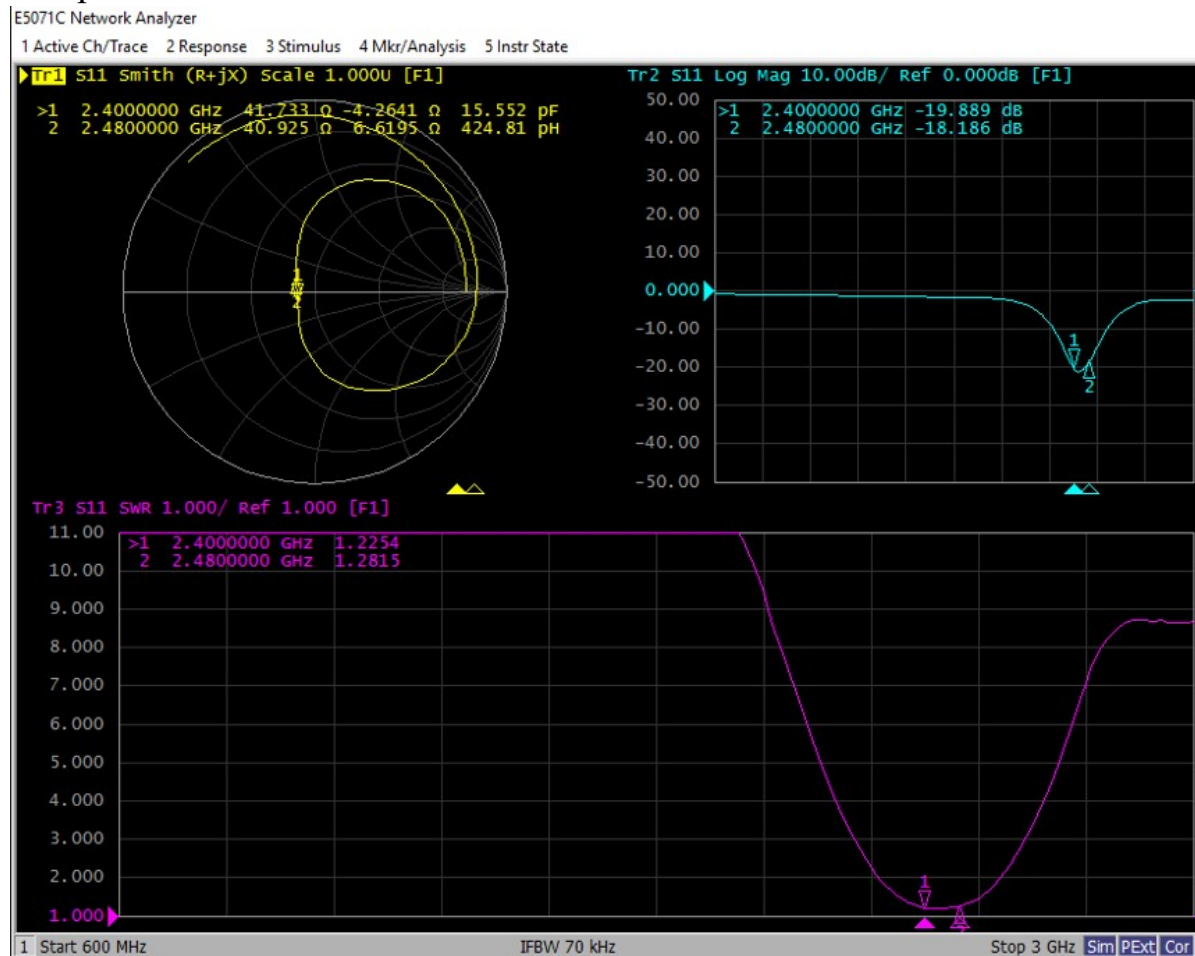


I: The report of passive data



Angilent E5071C

S11 parameter:

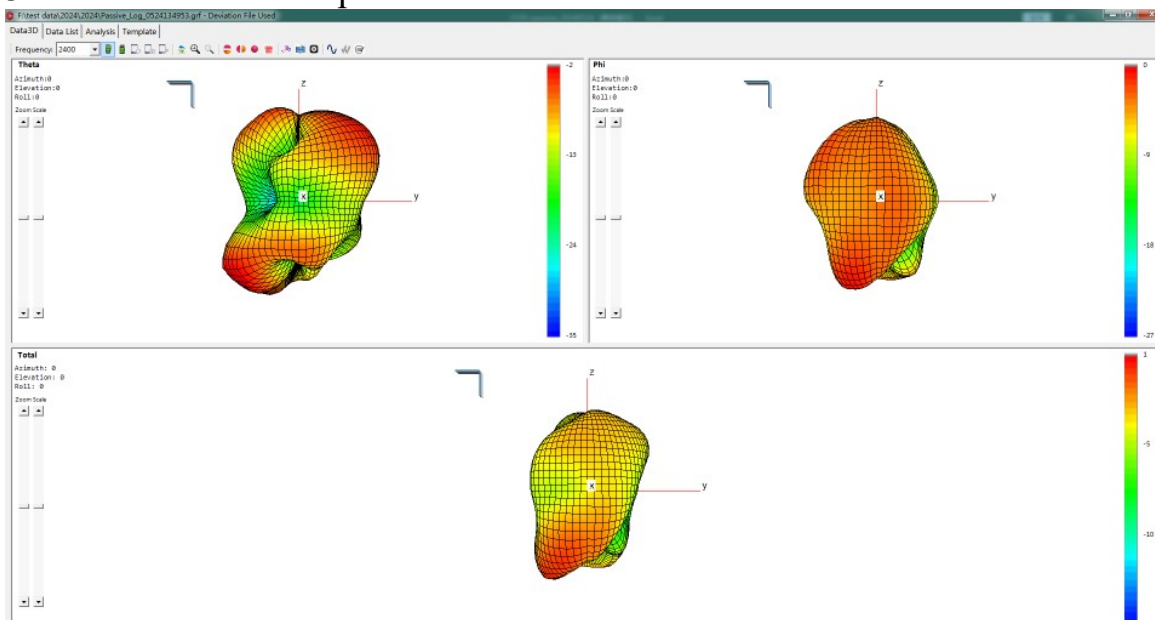




Efficiency:

L			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency
2400	0.2	-4.4	36.5
2410	0.2	-4.4	36.6
2420	0.2	-4.3	36.8
2430	0.2	-4.5	35.6
2440	0.1	-4.6	34.4
2450	0.2	-4.6	35.0
2460	0.1	-4.7	34.0
2470	0.4	-4.4	36.1
2480	0.6	-4.3	37.5
Average value	0.23	-4.46	35.85

3D Antenna radiation pattern:





II: 3D Active test report of antenna

Free space	Channel	TRP (dBm)	TIS(dBm)
L	CH 0	5.2	-89.4
	CH 39	5.0	-90.4
	CH 78	4.3	-90.0

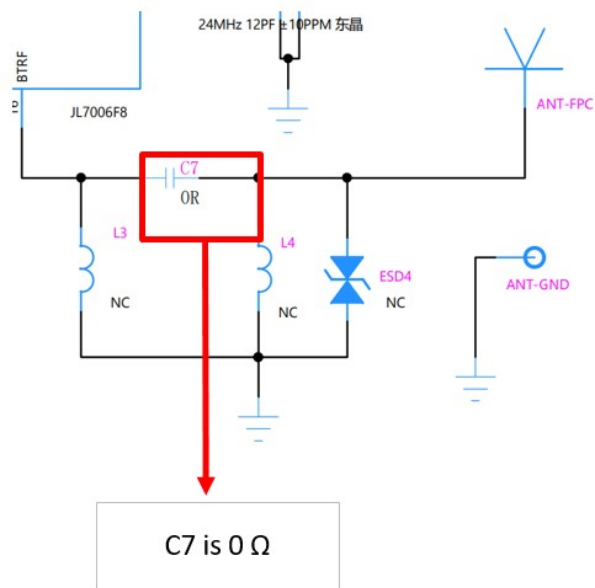
Headform	Channel	TRP (dBm)	TIS(dBm)
L	CH 0	-1.6	-83.6
	CH 39	-1.4	-84.1
	CH 78	-1.5	-83.5



OTA Standard Chamber

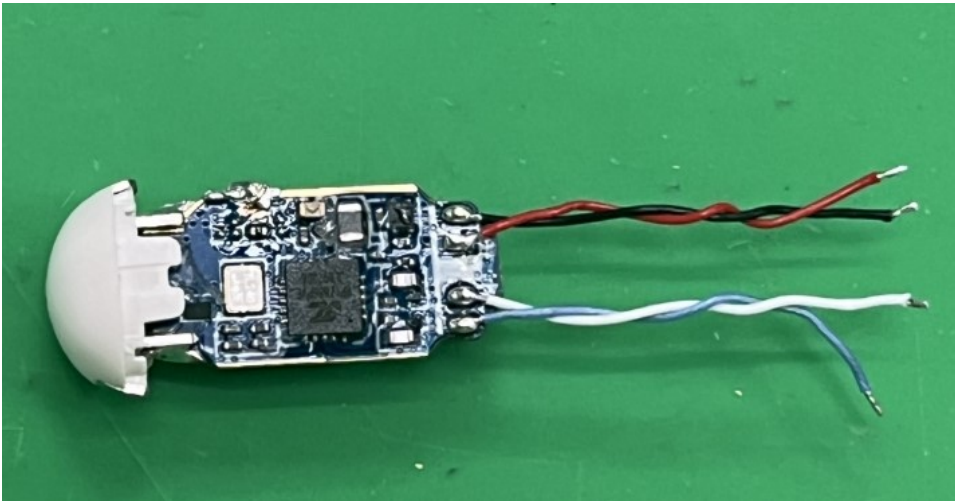


III: Schematic diagram for modifying antenna matching circuit



Antenna matching C7 series 0 Ω resistor

IV: Handling of installation line length



The battery wire and speaker wire are 20mm long, and the wire should be properly wound



V: Structure file

