



Antenna Part Specification

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



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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

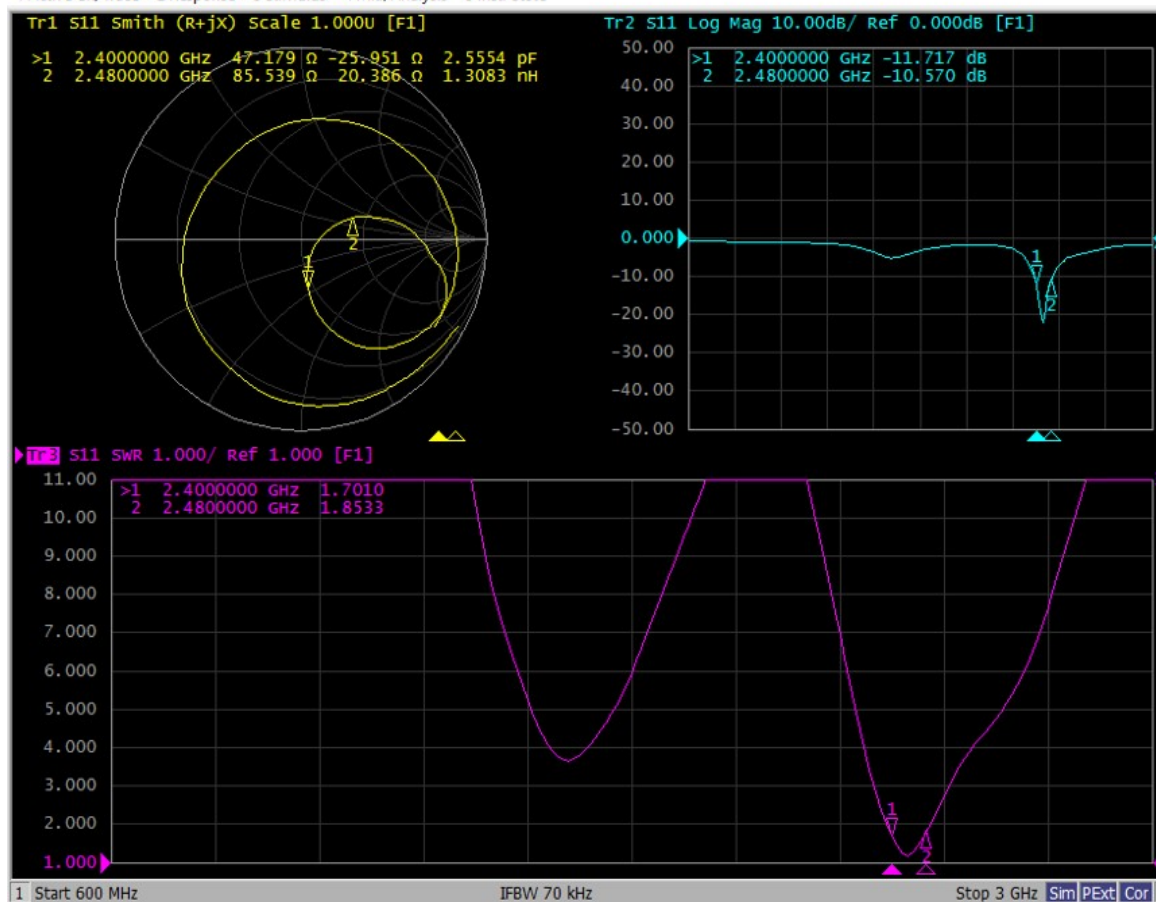


Angilent E5071C

S11 parameter:

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

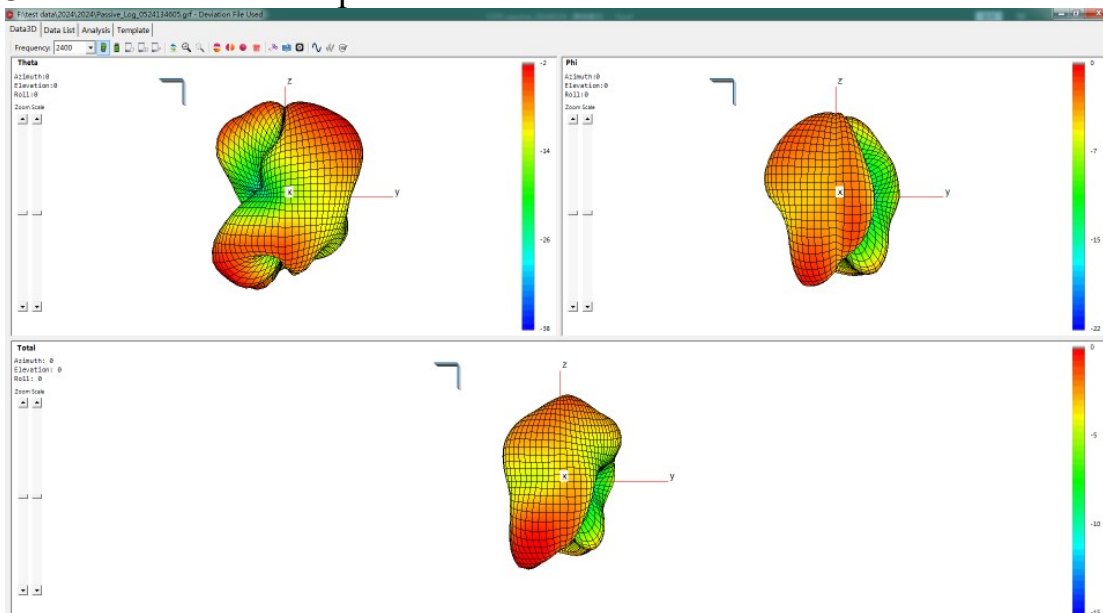




Efficiency:

R			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency
2400	0.2	-4.1	38.7
2410	0.2	-4.1	39.4
2420	0.2	-4.1	38.5
2430	0.1	-4.3	37.2
2440	0.2	-4.3	37.5
2450	0.1	-4.4	36.1
2460	0.3	-4.2	37.6
2470	0.4	-4.1	38.8
2480	0.2	-4.3	37.0
Average value	0.21	-4.22	37.89

3D Antenna radiation pattern:

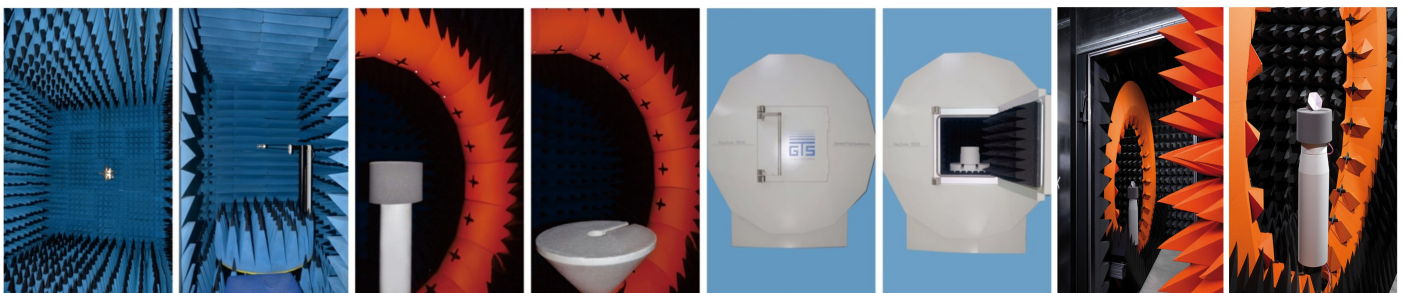




II: 3D Active test report of antenna

Free space	Channel	TRP (dBm)	TIS(dBm)
R	CH 0	4.8	-89.3
	CH 39	4.3	-90.1
	CH 78	3.8	-89.3

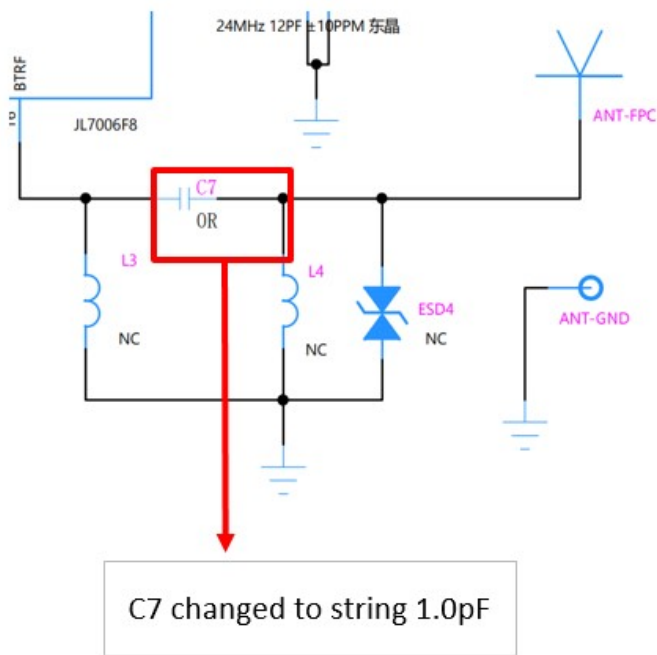
Headform	Channel	TRP (dBm)	TIS(dBm)
R	CH 0	-3.0	-81.9
	CH 39	-2.8	-82.9
	CH 78	-2.8	-82.6



OTA Standard Chamber

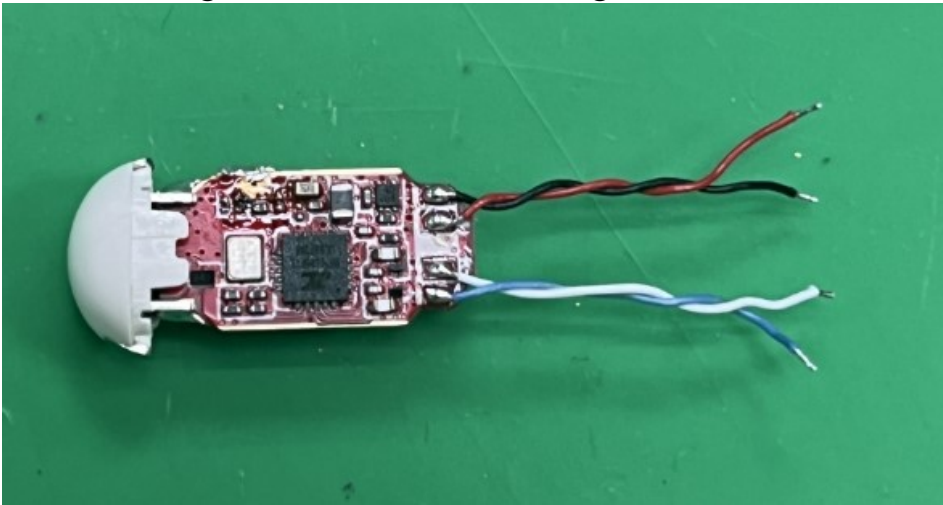


III: Schematic diagram for modifying antenna matching circuit



Antenna matching C7 changed to a 1.0pF capacitor in series

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

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