



Antenna Part Specification

Customer name:	EDIFIER
Project name:	1108
Material category:	BT antenna
Version:	V2.0
Date:	2024.04.26



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Change record			
Compile / change date	Reason for change	Changed content	Version
2024.03.18	First edition	First edition	V1.0
2024.04.26	Antenna update	Antenna optimization	V2.0

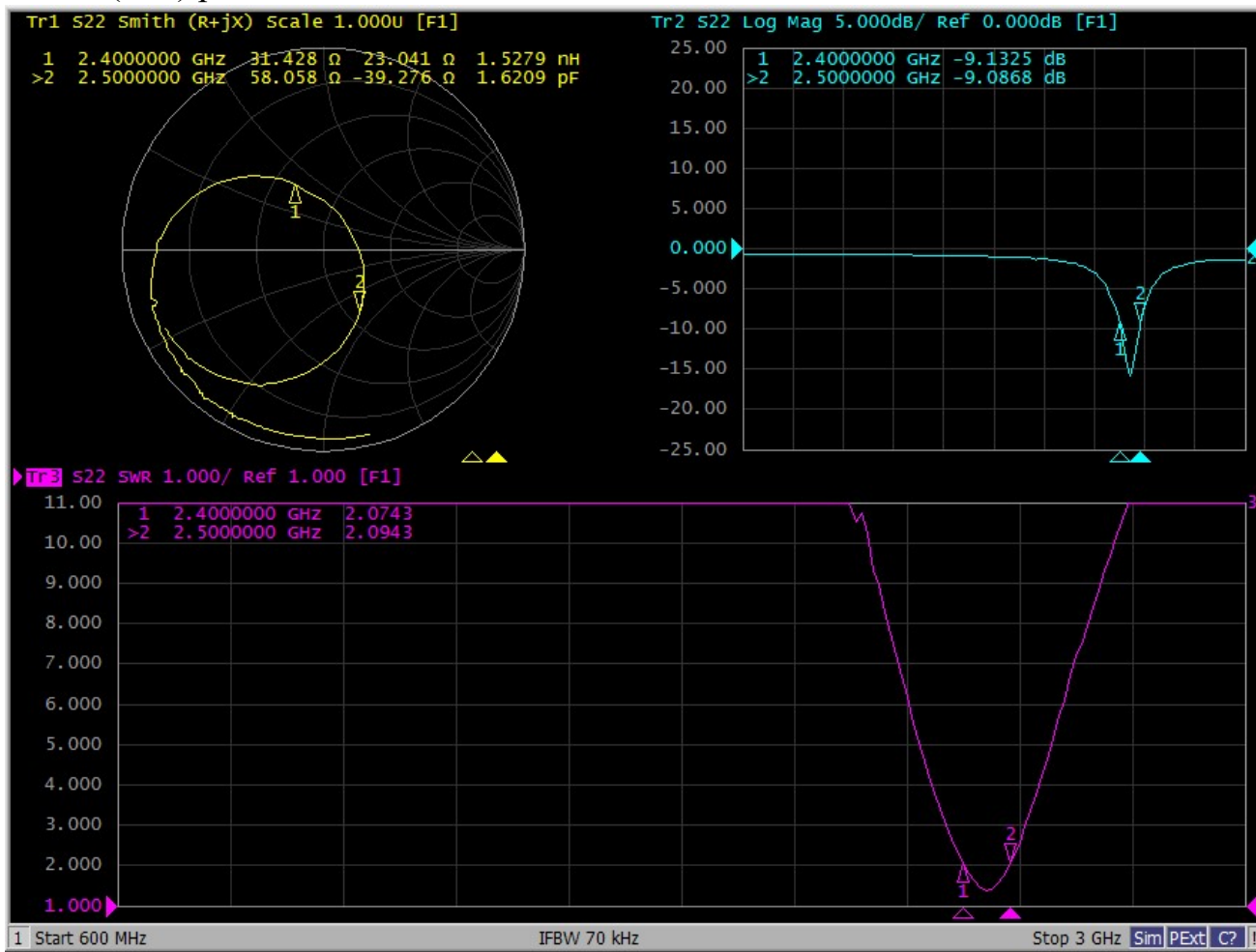


I: The report of passive data



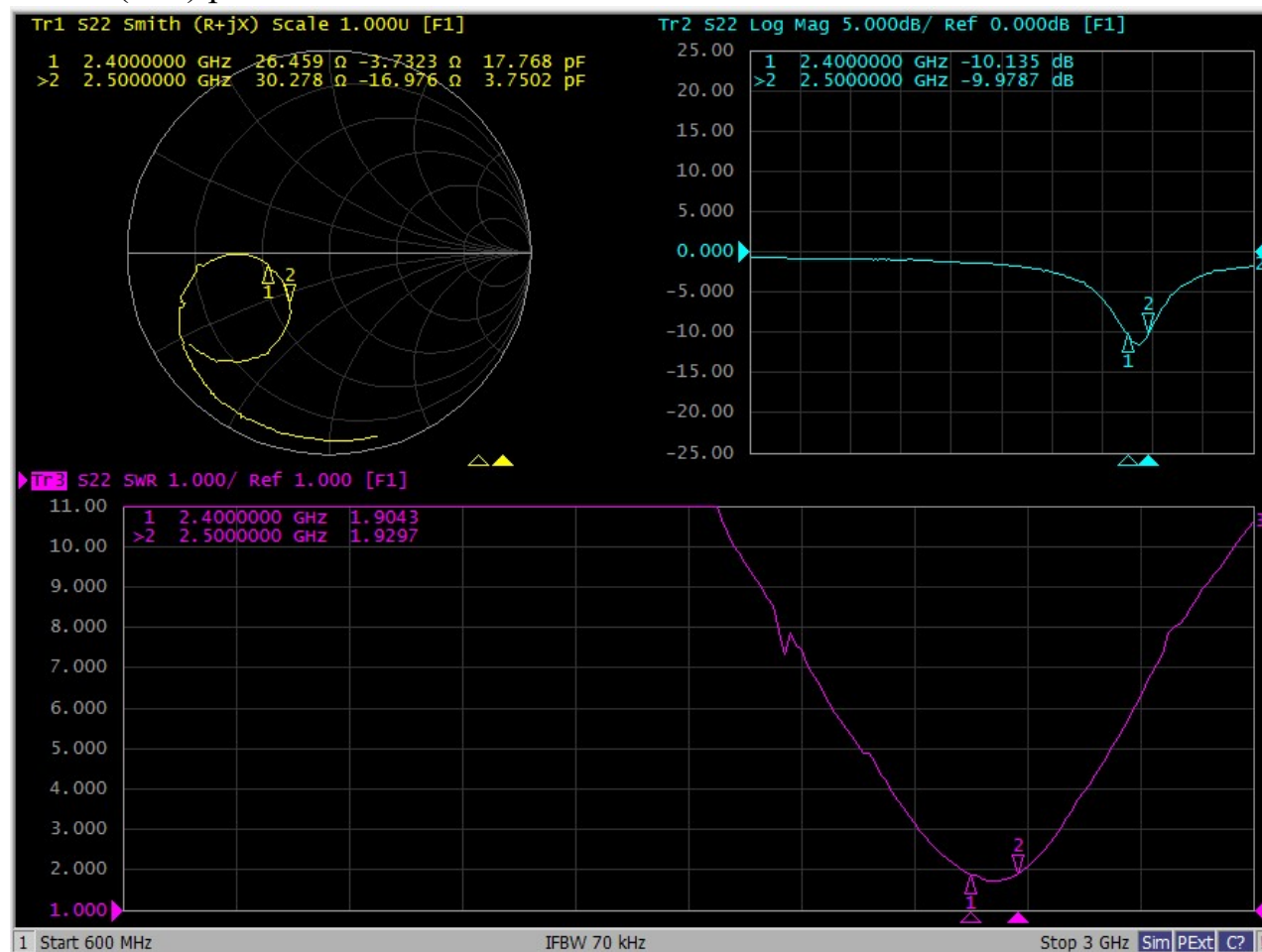
Angilent E5071C

VSWR(S11) parameter (L) :





VSWR(S11) parameter (R) :





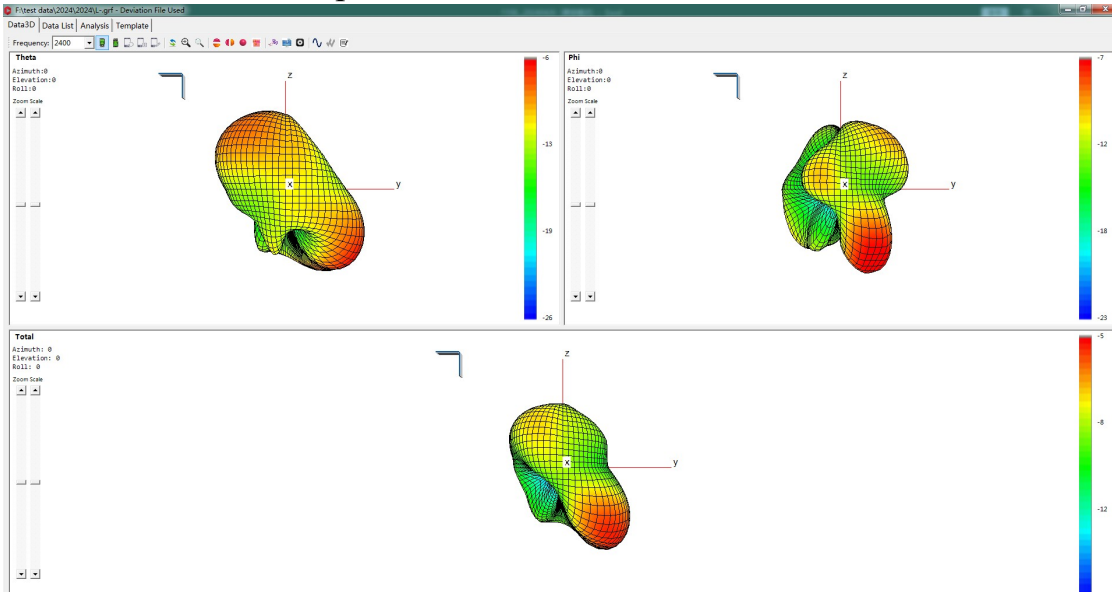
Efficiency:

2400-2480 MHz (L)			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency
2400	-4.99	-9.37	11.55
2410	-4.75	-9.24	11.91
2420	-4.64	-9.08	12.36
2430	-4.66	-9.16	12.14
2440	-4.69	-9.28	11.8
2450	-4.53	-9.19	12.05
2460	-4.57	-9.32	11.7
2470	-4.4	-9.15	12.18
2480	-4.38	-9.07	12.39
Average value	-4.62	-9.39	11.52

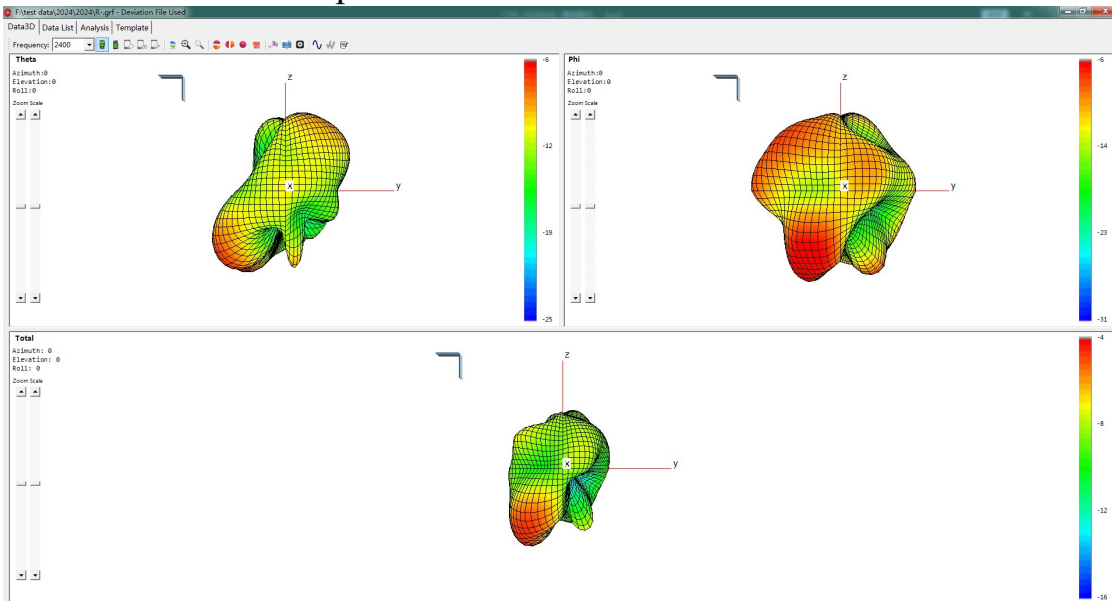
2400-2480 MHz (R)			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency
2400	-4.14	-9.18	12.07
2410	-4.04	-9.12	12.24
2420	-4.00	-9.05	12.44
2430	-3.99	-9.17	12.11
2440	-4.10	-9.36	11.6
2450	-4.00	-9.31	11.73
2460	-4.15	-9.44	11.39
2470	-4.03	-9.22	11.95
2480	-4.02	-9.11	12.26
Average value	-4.05	-9.4	11.49



3D Antenna radiation pattern (L) :

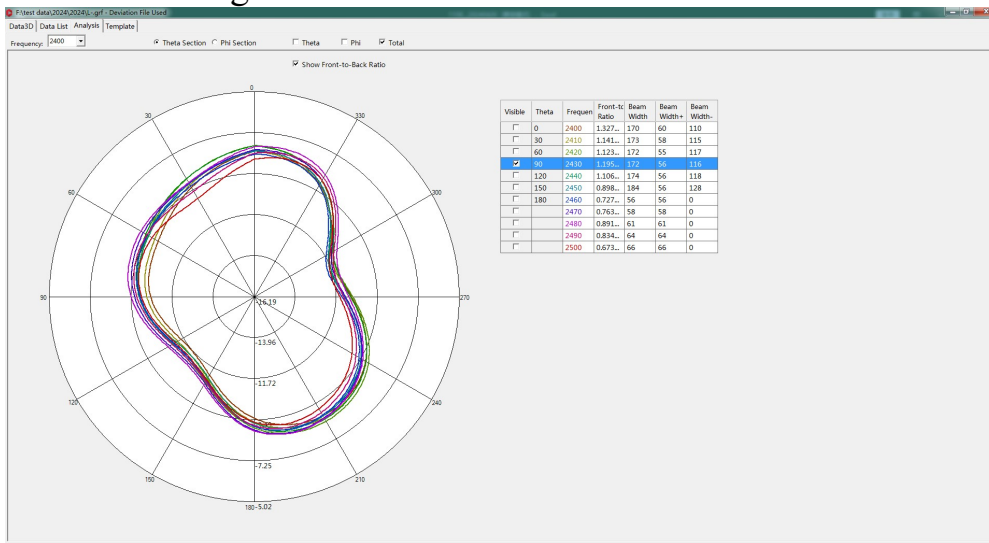


3D Antenna radiation pattern (R) :

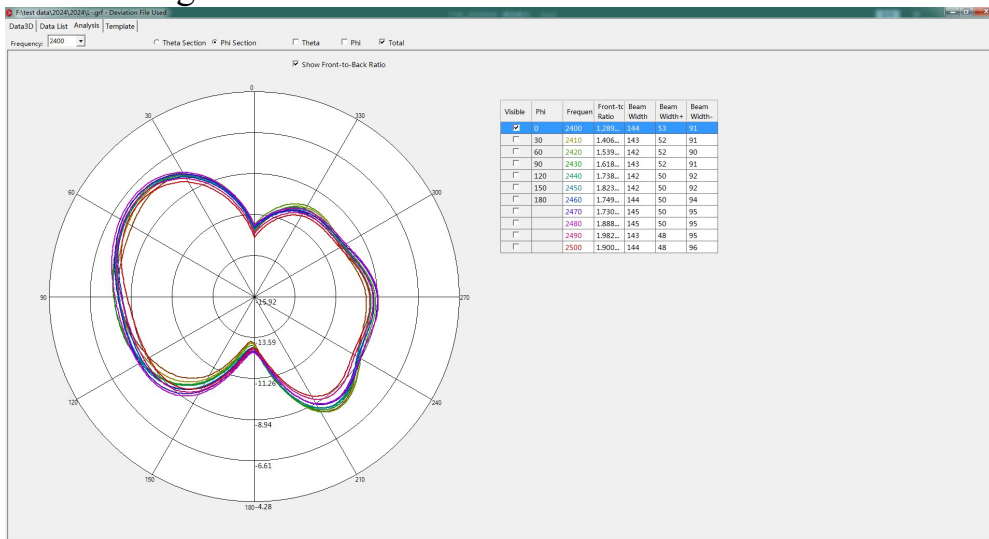




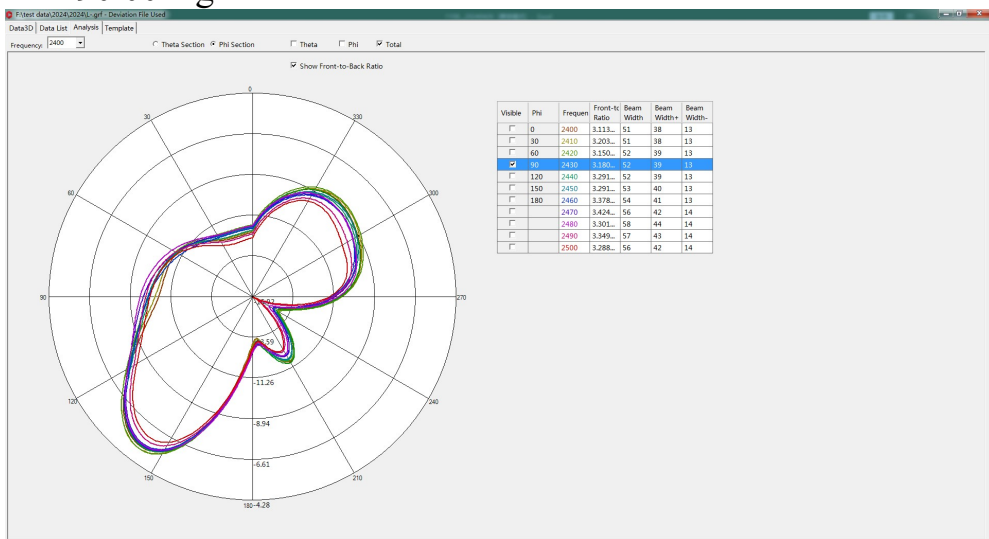
Antenna radiation pattern (L) : Theta=90.00deg



Phi=0.00deg

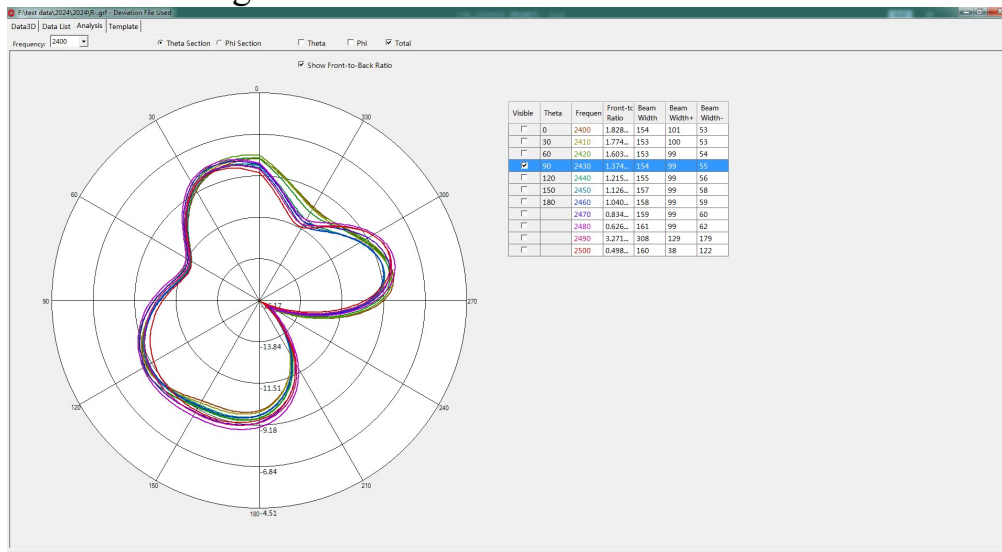


Phi=90.00deg

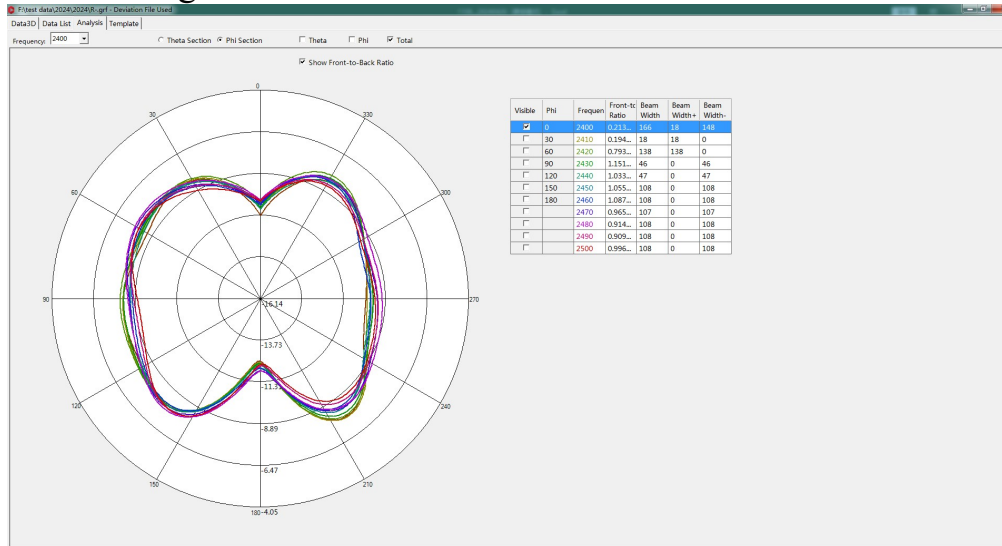




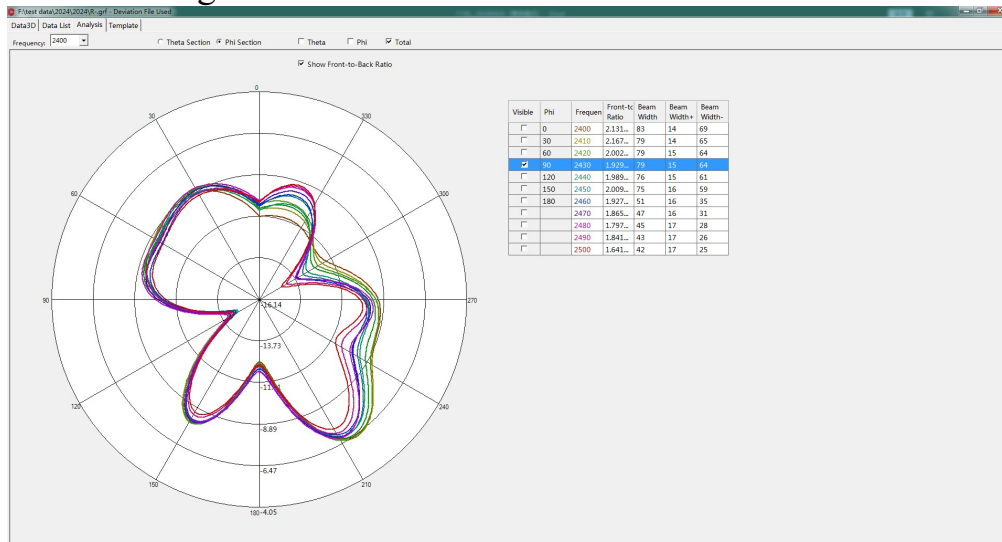
Antenna radiation pattern (R) : Theta=90.00deg



Phi=0.00deg



Phi=90.00deg





II: 3D Active test report of antenna

	Channel	TRP (dBm)	TIS (dBm)
L	CH 0	-0.8	-84.2
	CH 39	0.1	-85.4
	CH 78	-0.4	-85.3

	Channel	TRP (dBm)	TIS (dBm)
R	CH 0	-0.1	-84.2
	CH 39	-0.5	-84.0
	CH 78	-1.2	-82.1

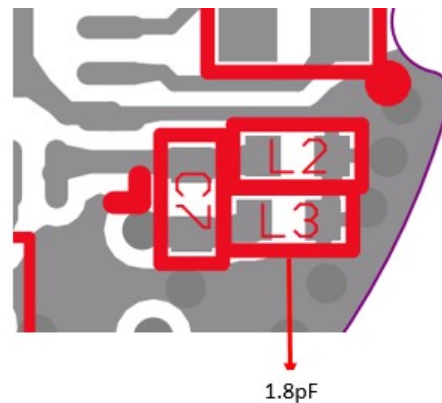


OTA Standard Chamber

III: Matching circuit

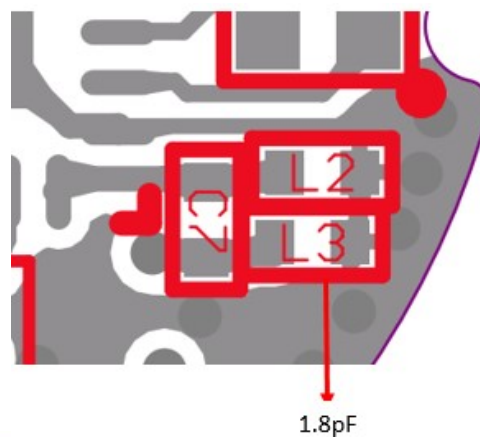
L:

Element	Value
L3	1.8pF
C7	0Ω
L2	N/A



R:

Element	Value
L3	1.8pF
C7	0Ω
L2	N/A





IV: Structure file

