



Antenna Part Specification

Customer name:	EDIFIER
Project name:	KY3037
Material category:	BT antenna
Version:	V1.0
Date:	2024.07.17



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Change record			
Compile / change date	Reason for change	Changed content	Version
2024.07.17	First edition	First edition	V1.0

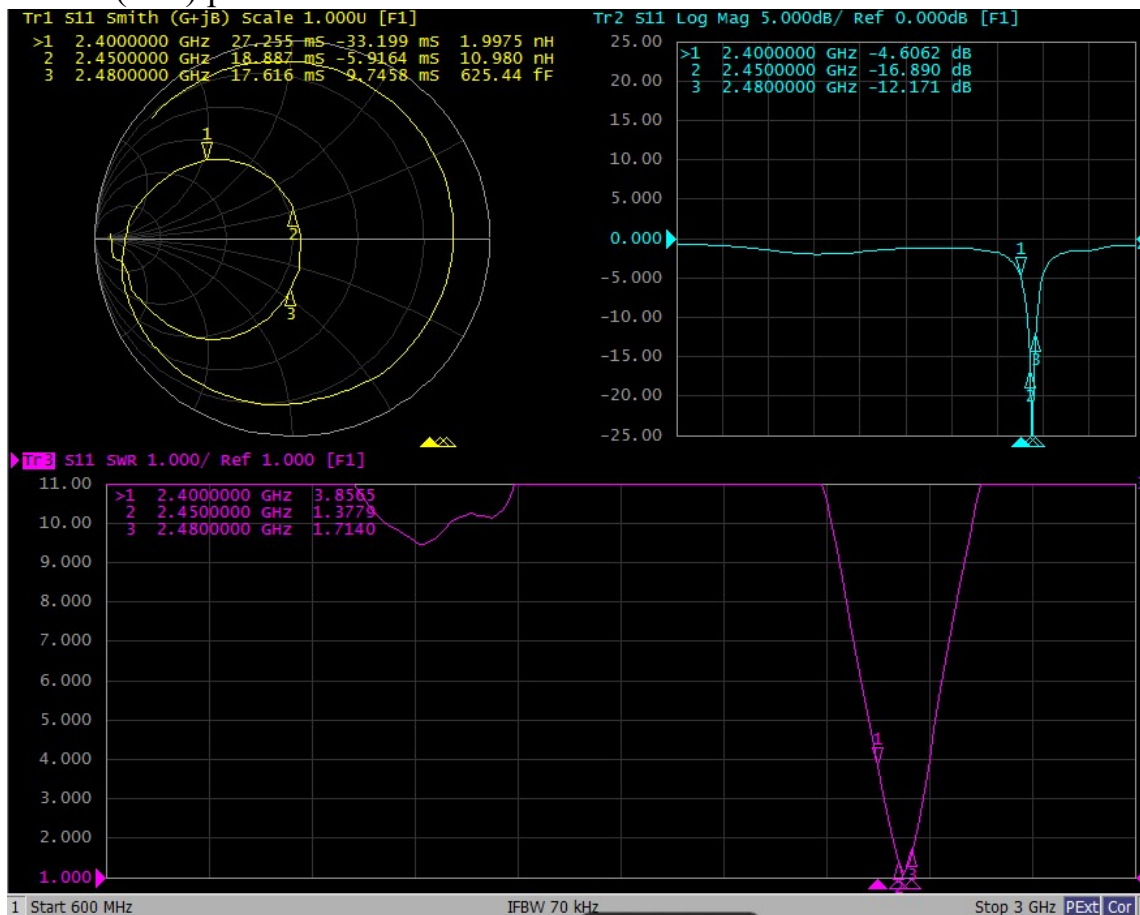


I: The report of passive data



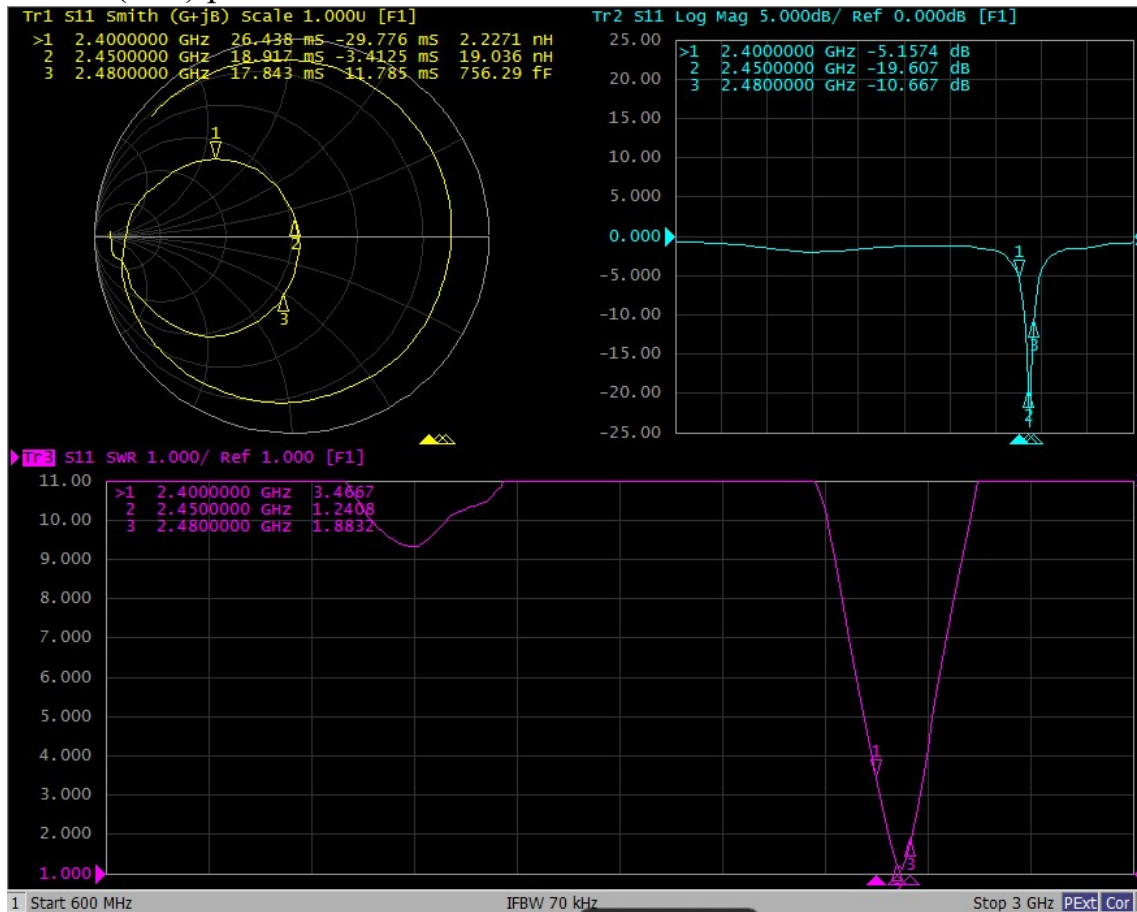
Angilent E5071C

VSWR(S11) parameter (L) :





VSWR(S11) parameter (R) :





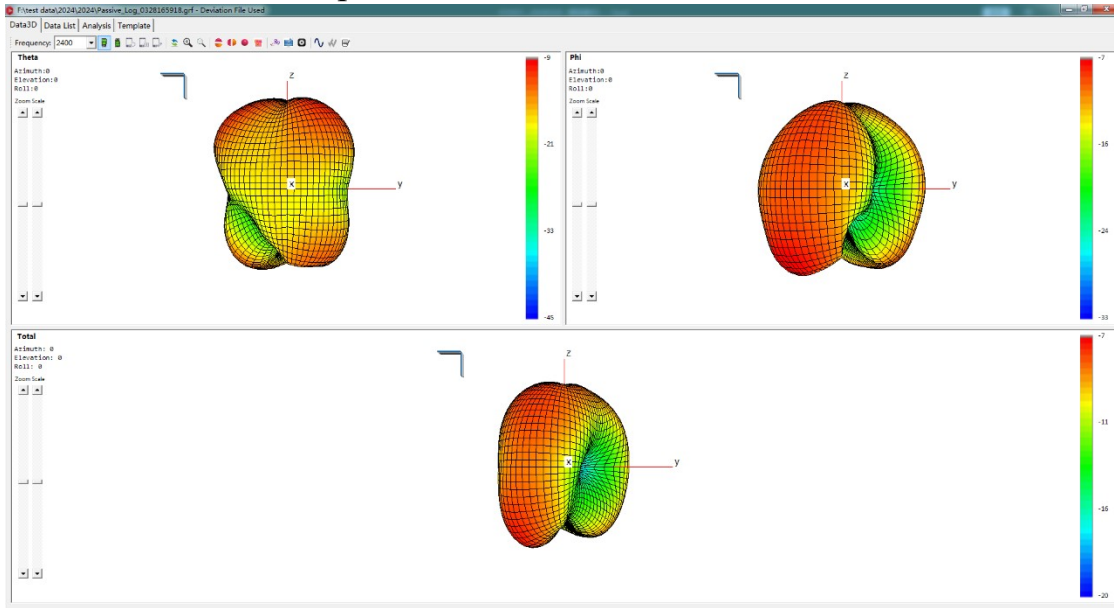
Efficiency:

2400-2480 MHz (L)			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency
2400	-6.7	-9.5	11.2
2410	-6.5	-9.3	11.8
2420	-6.5	-9.1	12.2
2430	-6.2	-8.9	12.9
2440	-6.3	-8.9	12.8
2450	-6.1	-8.6	13.7
2460	-6.1	-8.4	14.3
2470	-6.5	-8.8	13.3
2480	-6.8	-9.0	12.5
Average value	-6.4	-9.0	12.7

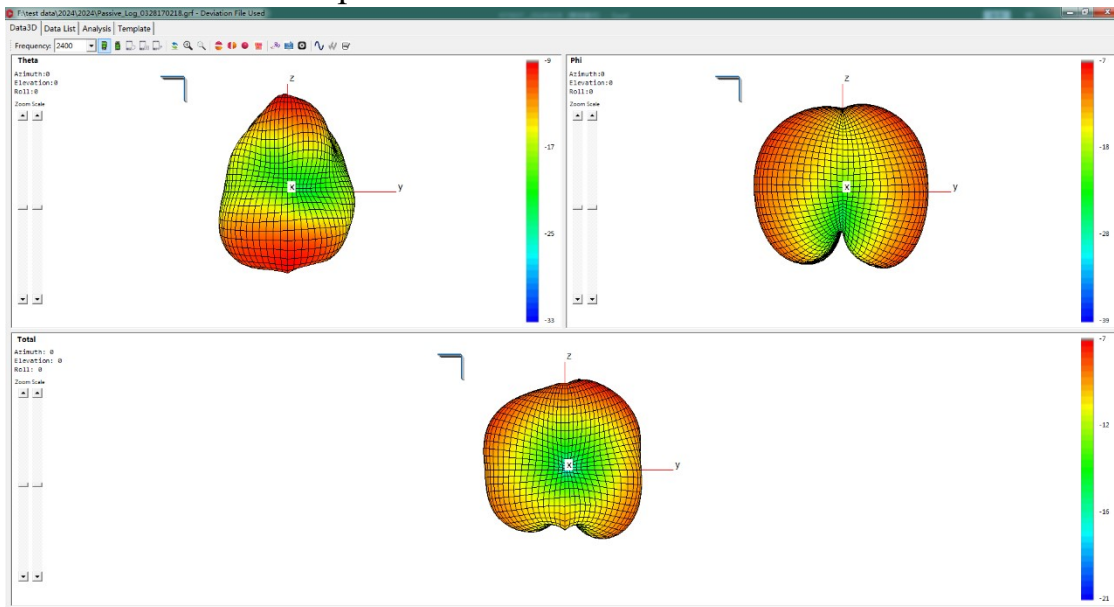
2400-2480 MHz (R)			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency
2400	-6.6	-9.1	12.3
2410	-6.3	-8.9	12.9
2420	-6.1	-8.8	13.3
2430	-5.8	-8.6	14.0
2440	-5.9	-8.6	13.7
2450	-5.6	-8.4	14.5
2460	-5.4	-8.3	14.9
2470	-5.9	-8.6	13.8
2480	-6.3	-8.9	12.9
Average value	-6.0	-8.7	13.6



3D Antenna radiation pattern (L) :



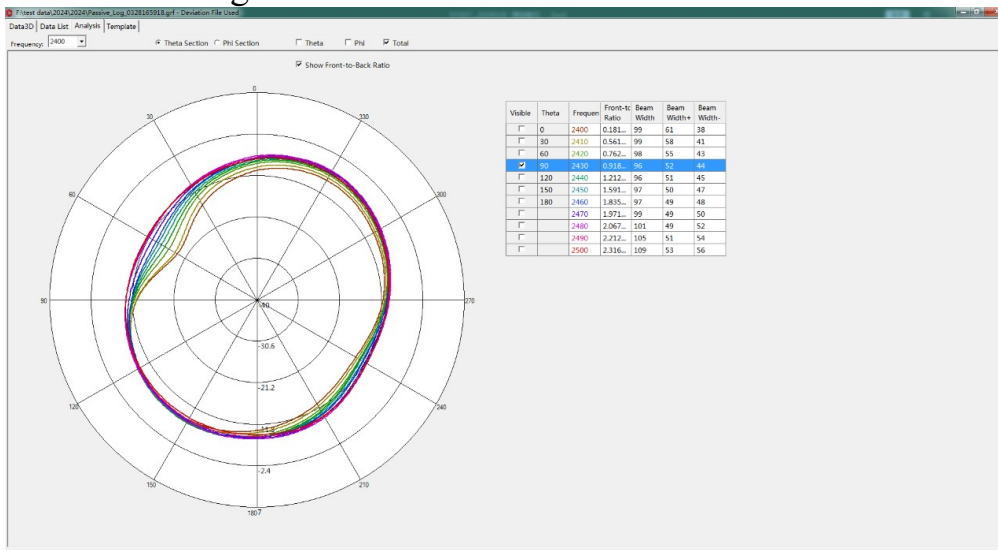
3D Antenna radiation pattern (R) :



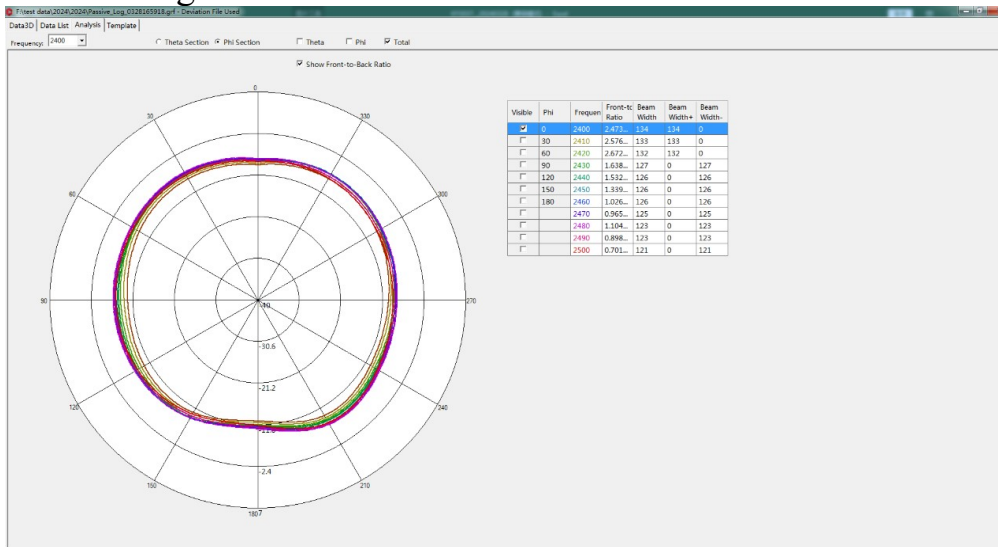


Antenna radiation pattern (L) :

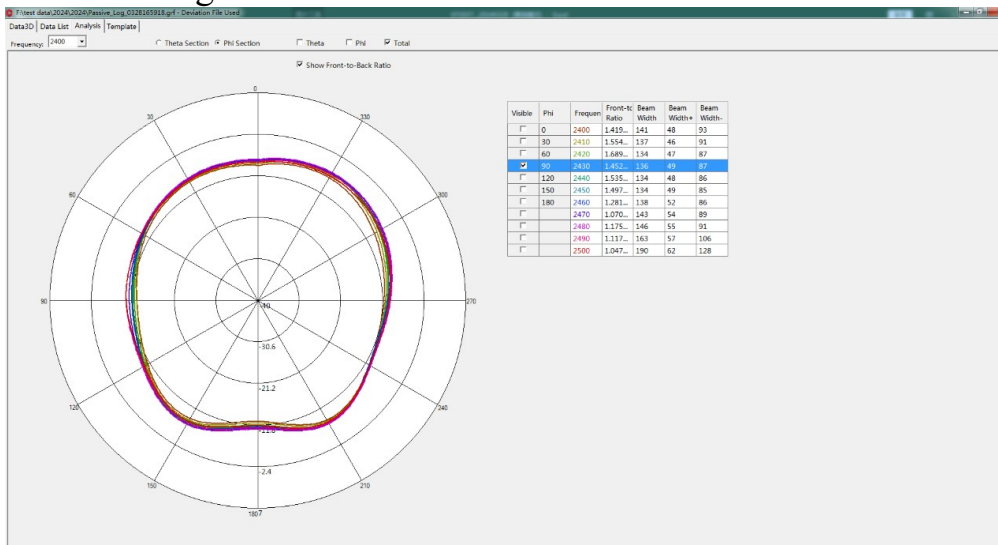
Theta=90.00deg



Phi=0.00deg



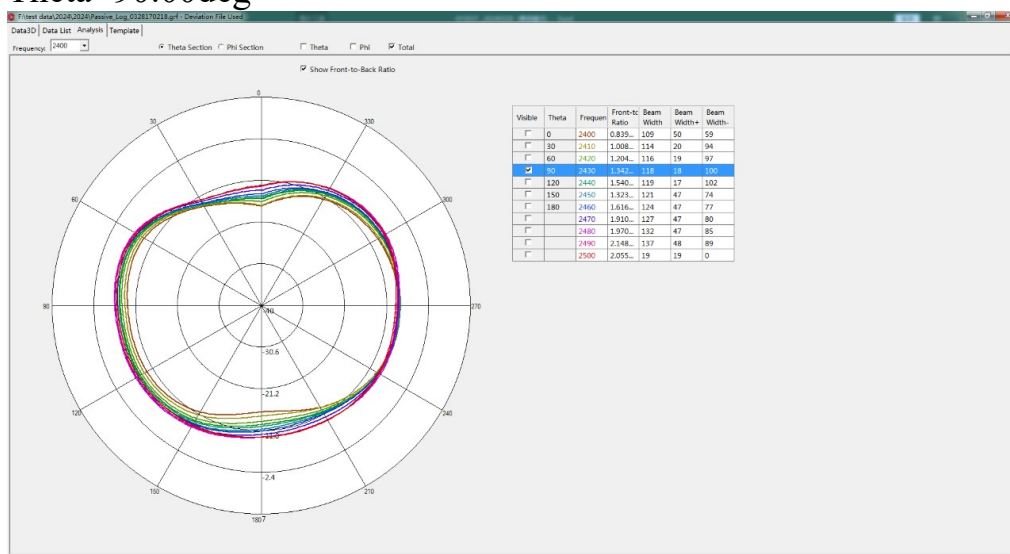
Phi=90.00deg



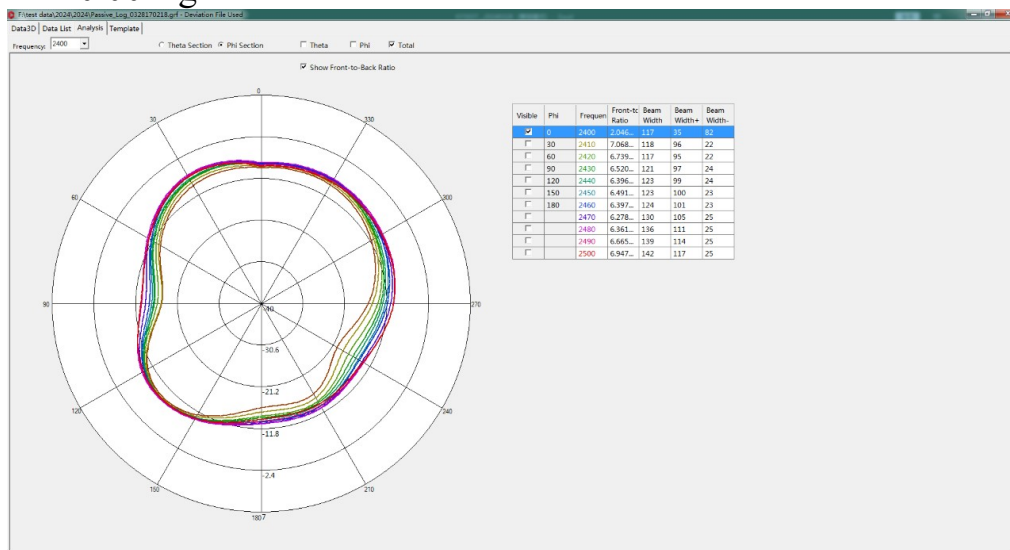


Antenna radiation pattern (R) :

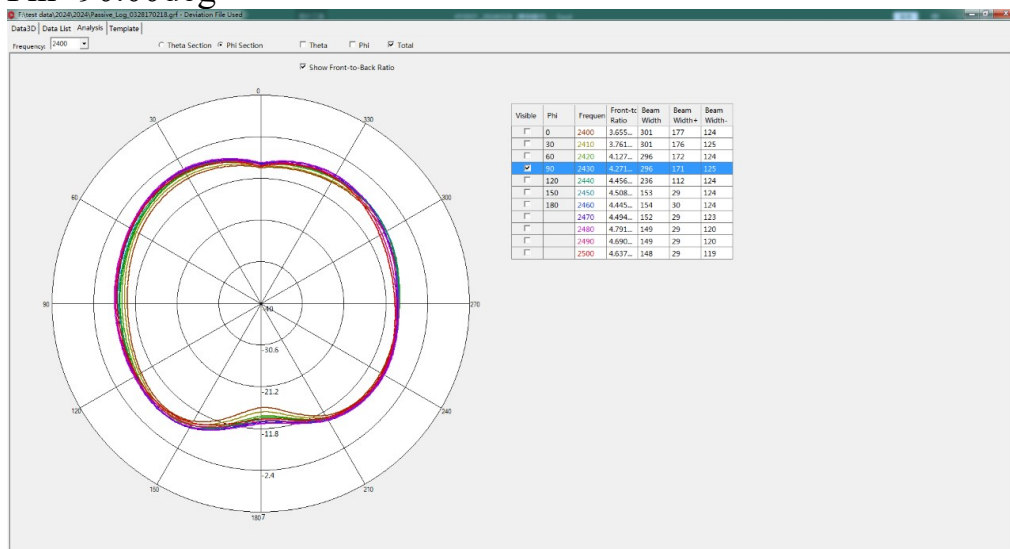
Theta=90.00deg



Phi=0.00deg



Phi=90.00deg





II: 3D Active test report of antenna

BT	Channel	TRP (dBm)	TIS (dBm)
L	CH 0	2.6	-86.2
	CH 39	5.4	-88.3
	CH 78	5.3	-87.5

BT	Channel	TRP (dBm)	TIS (dBm)
R	CH 0	2.8	-86.4
	CH 39	5.3	-88.1
	CH 78	5.1	-87.3

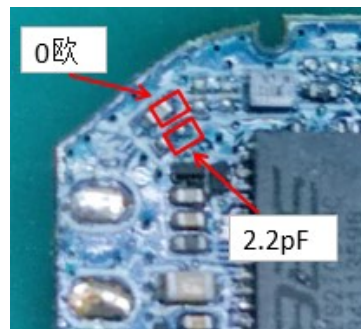
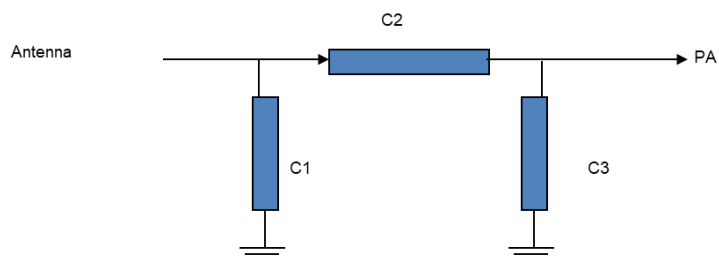


OTA Standard Chamber



III: Matching circuit

Element	Value
C1(0201)	2.2pF
C2(0201)	0 欧
C3(0201)	N/A



IV: Installation precautions



Correct placement method: Twist the battery cable counterclockwise for three turns



V: Structure file

