

p1_mini Antenna Test Report

Customer	
Project	蓝牙 发射器
Antenna BAND	BT
Product Description	FPC
Product No	p1_mini_V2.0

Product Overview & Dimension



This report is to measure the performance of BT antenna for p1_mini. The antenna operating frequency at (2400-2500MHZ) , All test data are showed as below.

Content

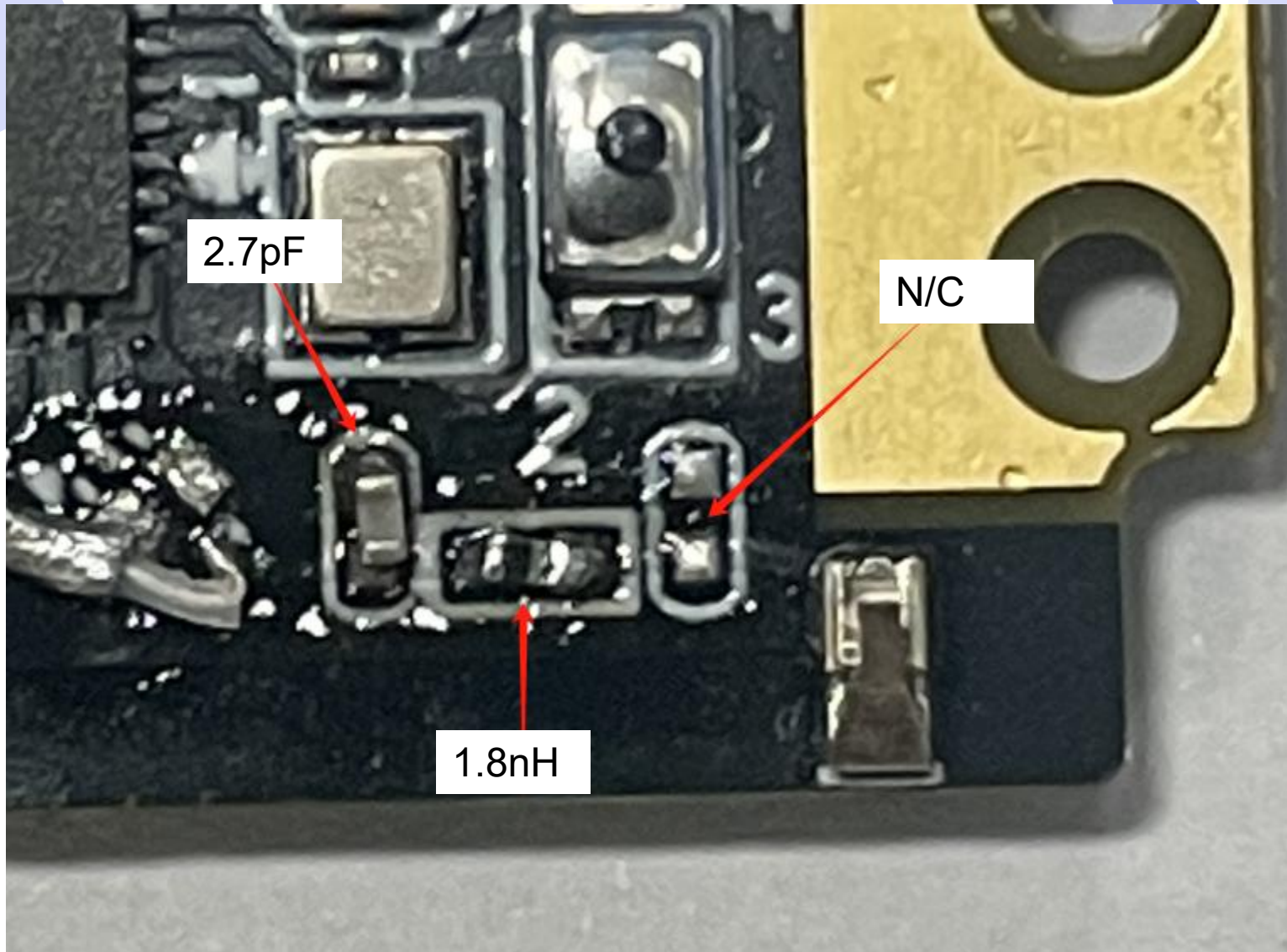
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2. Test System

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & HP 8753
OTA Test	TRP&TIS	CMW500 & CMW270 ETS& FT SG24
Gain & Efficiency	Gain & Efficiency	ETS&FT SG24 Agilent 5071C



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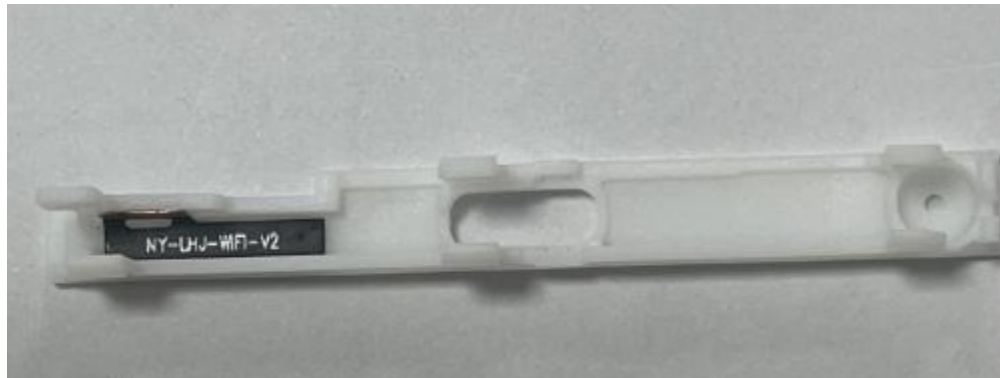
VSWR

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	1.54	1.41	1.09	0.79	0.41	0.18	-0.03	-0.37	-0.70	-0.75	-0.87
Efficiency (%)	15.16	16.33	16.67	17.23	17.91	18.18	19.13	19.68	20.42	20.77	21.70

BT-ANT

Test Equipment:	R&S CMW500			
Test Condition:	3D chamber			
Band	Wireless Protocol	Channel	TRP(dBm)	TIS(dBm)
BT	CLASS 1	0	-4.2	-81.24
		39	-4.6	-80.46
		78	-4.8	-81.52

天线位置



Thanks for your comment!

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