



6682模组PCB板载天线报告

6682 Module PCB Board Mounted Antenna Report

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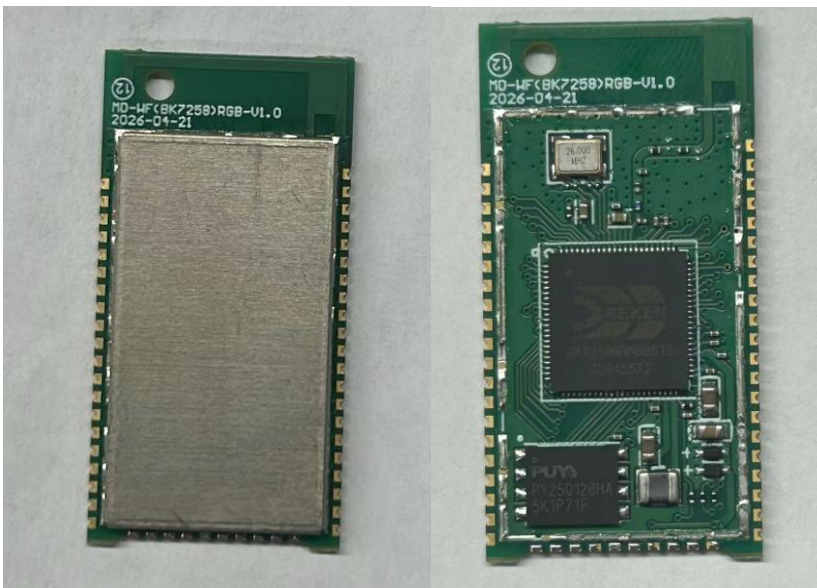
一、基本信息/ Basic information

本次测试为6682模组的PCB板载天线测试数据。

This test is the PCB board-mounted antenna test data for the 6682 module.

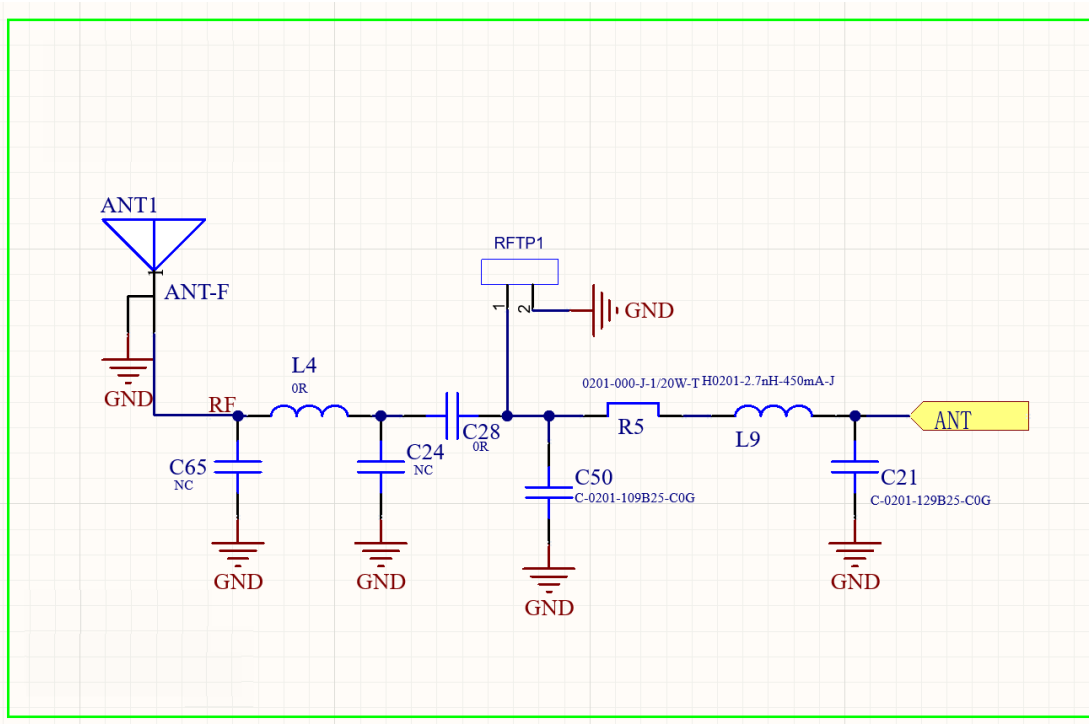
二、测试样品/ Test Samples

2.1 样品照片/ sample picture



2.2 PCB板载天线匹配料说明

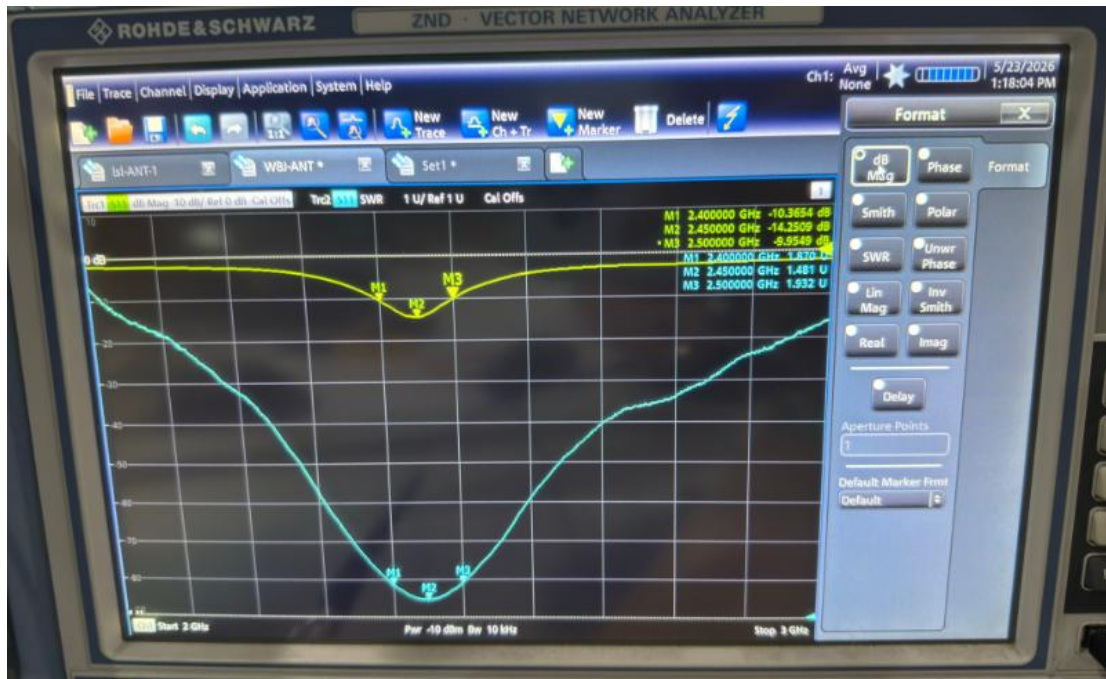
PCB Board Built-in Antenna Matching Material Description



Ref.	Mfr.	Value	
L4	0201Resistor	0R	
C65		NC	
C24		NC	

三、天线参数/ Antenna parameter

3.1、回波损耗、驻波比、输入阻抗、极化方式、最大功率和工作温度
Return loss, standing wave ratio, input impedance, polarization method, maximum power, and operating temperature



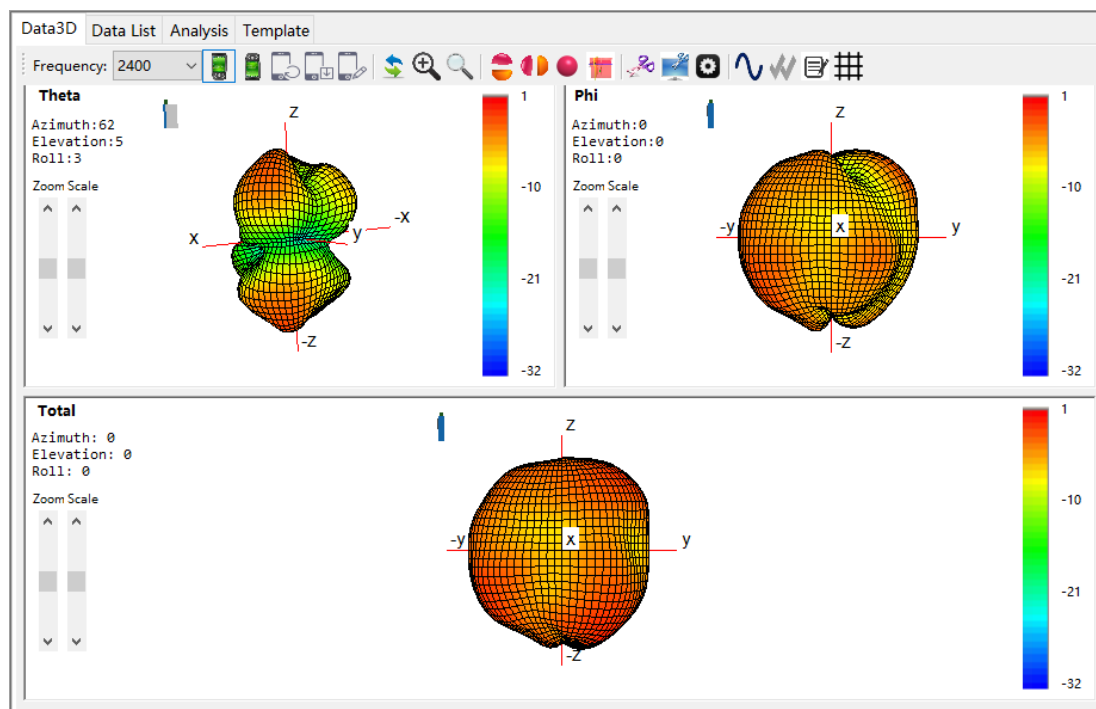
频率Frequency	2400	2450	2500
回波损耗(RL) return loss	-10.36	-14.25	-9.95
驻波比(SWR) standing-wave ratio	1.87	1.48	1.93
Input Impedance	50 Ω		
Polarization			
Max. Power	20dbm		
Temperature	-20℃ ~ +85℃		

3.2、增益和效率/ Gain and efficiency

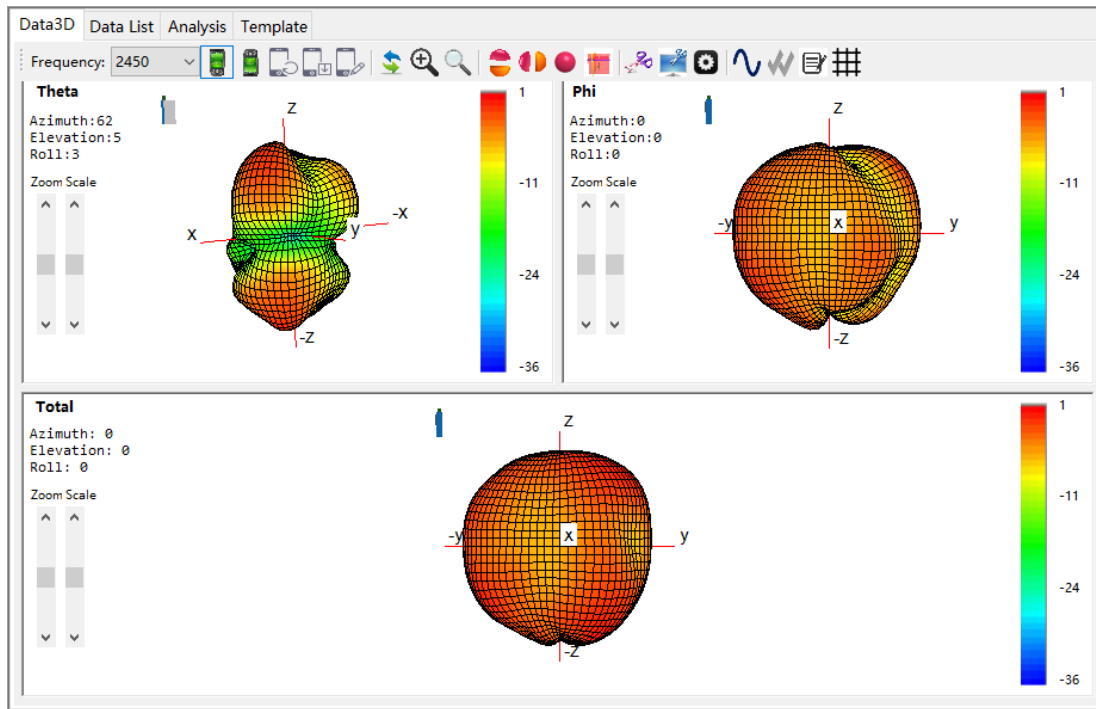
chNo	Freq (MHz)	Efficiency_dB	Gain	Efficiency(%)
1	2400	-3.9	0.14	40.76
2	2410	-3.84	0.17	41.29
3	2420	-3.77	0.22	42.00
4	2430	-3.66	0.34	43.02
5	2440	-3.56	0.46	44.01
6	2450	-3.45	0.52	45.18
7	2460	-3.43	0.39	45.38
8	2470	-3.36	0.41	46.09
9	2480	-3.41	0.31	45.56
10	2490	-3.5	0.24	44.62
11	2500	-3.65	0.17	43.17

3.3、方向图/ Directional diagram

3.3.1、2400MHz



3.3.2、2450MHz



3.3.3、2500MHz

