



深圳市天威讯无线技术有限公司

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天线设计与数据报告

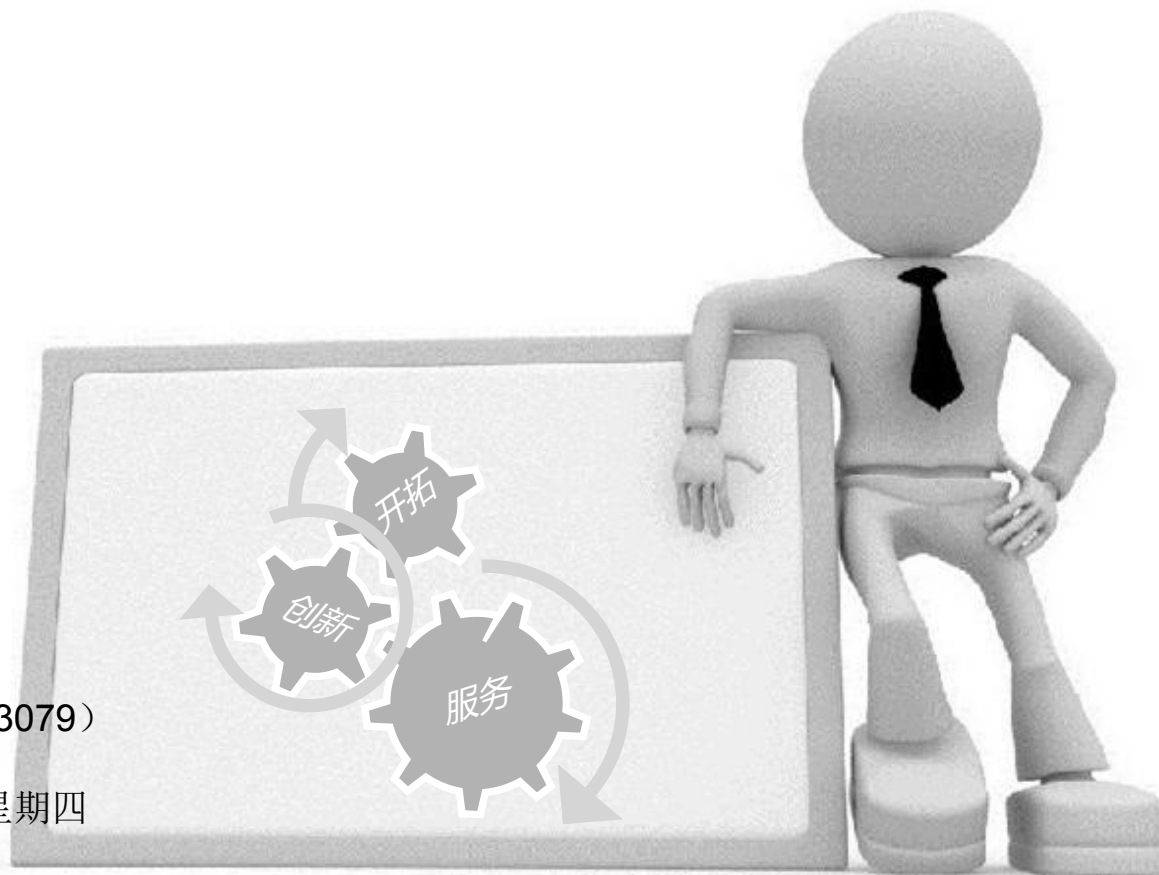
客户名称：麦子

项目名称：M63

要求频段：BT

研发工程：廖鲜明（13713883079）

完成日期：2023年09月28日星期四



Commissioning of the project complete machine picture :

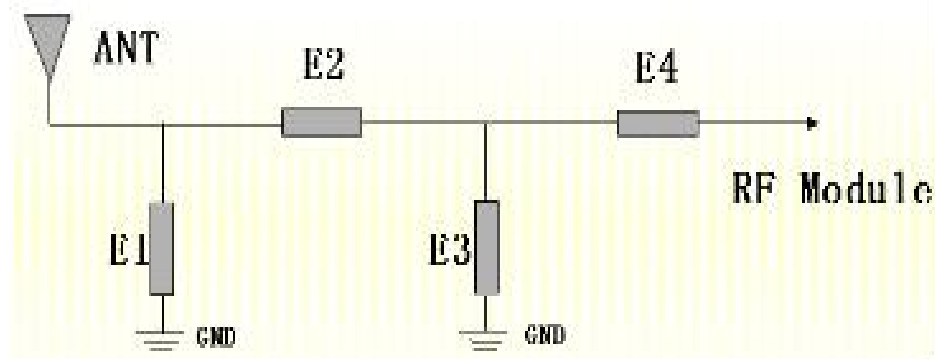


Description of the antenna matching circuit :

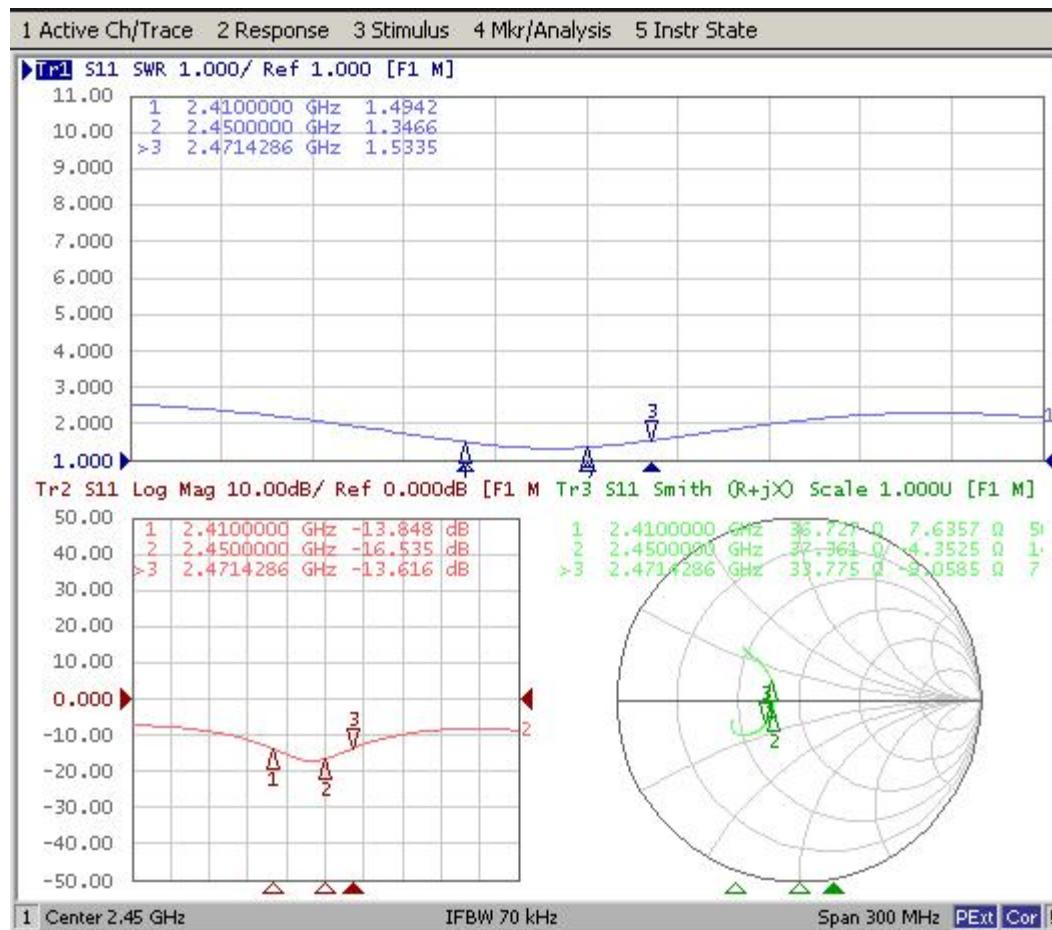


天线电路匹配说明 Antenna circuit matching description

Element	
E1(0201)	invariant
E2(0201)	invariant
E3(0201)	invariant
E4(0201)	invariant



BT data of passive network (S11 graph):

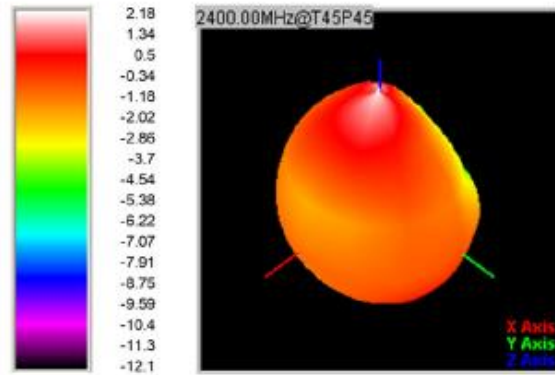


Test Point ID	Freq. (MHz)	Gain (dBi)	Efficiency (%)
1	2400.0	-6.53	7.1%
2	2410.0	-6.56	7.0%
3	2420.0	-6.37	7.0%
4	2430.0	-6.13	7.0%
5	2440.0	-6.38	7.0%
6	2450.0	-6.29	7.0%
7	2460.0	-6.32	7.2%
8	2470.0	-6.51	7.0%
9	2480.0	-6.56	7.1%
10	2490.0	-6.80	6.9%
11	2500.0	-6.54	7.3%

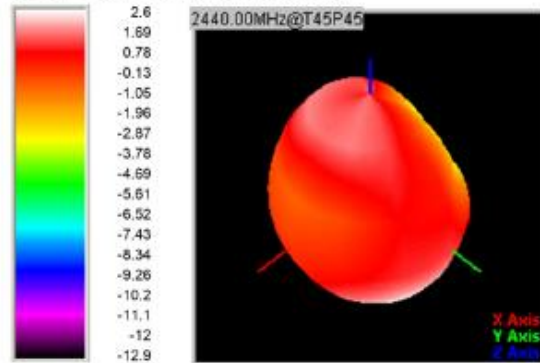


3D Gain Pattern

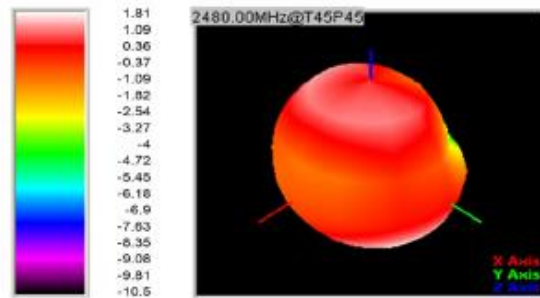
© 3D Gain Pattern (2400 MHz)



© 3D Gain Pattern (2440 MHz)



© 3D Gain Pattern (2480 MHz)



Measured distance between BT connection and phone :

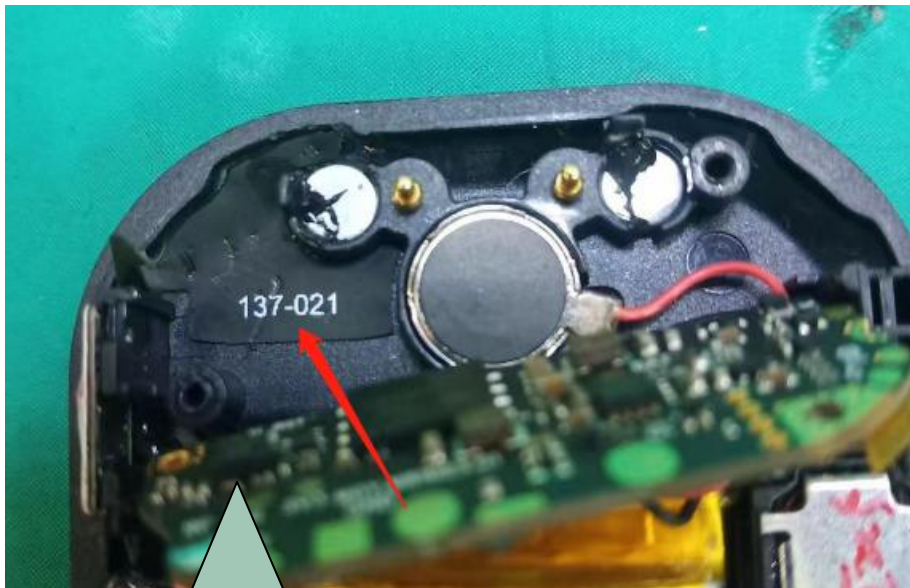


Phone	critical distance	Back to the distance	360 degrees of continuous distance
三星S8	16	15	15
华为AL10	16	15	15
Supplementary Note: Distance unit: m			

15米蓝牙连接数据



BT Antenna layout or cycloid description with at drawings :



1、 The antenna paste position as shown.



2、 According to the figure, the welding mode of the antenna.





感谢您的耐心阅读！



如有疑问 请联系我们！

日常服务时间：周一至周五 9:00-18:00 周六 9:00-12:00

总机热线：0755 - 29361726

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