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BT 天线测试报告

BT Antenna Test Report

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修改记录

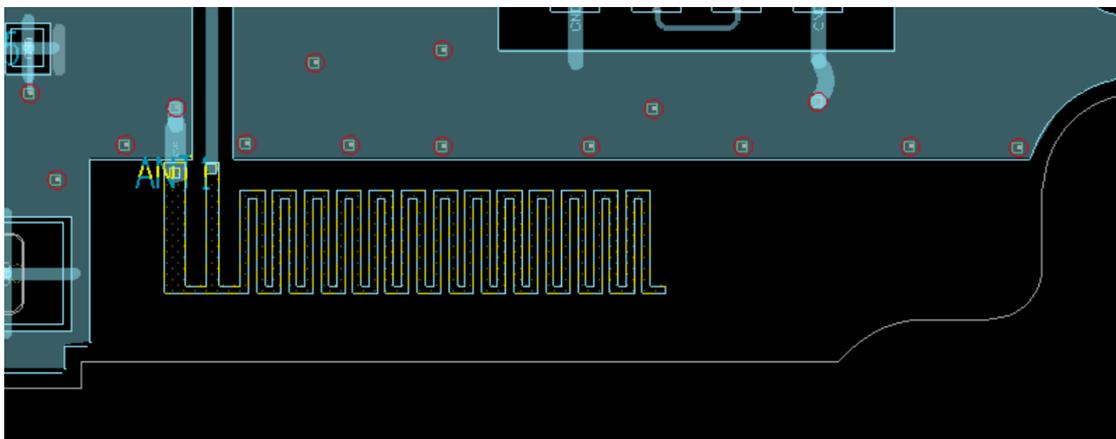
版本号	作者	修改说明	日期
1.0	晏海涛	1. 编写 BT 天线测试报告 1. Preparation of BT antenna test reports	2023-07-13

1. 测试简述 Brief description of the test

鼎合远传针对 A27in 产品的 BT 天线开展测试工作，本测试包含了频段、性能、无源效率、增益、2D 和 3D 增益进行了全方面的测试工作。

Dspread's BT antenna for the A27in product was tested for band, performance, passive efficiency, gain, 2D and 3D gain.

2. BT 天线展示 BT antenna display



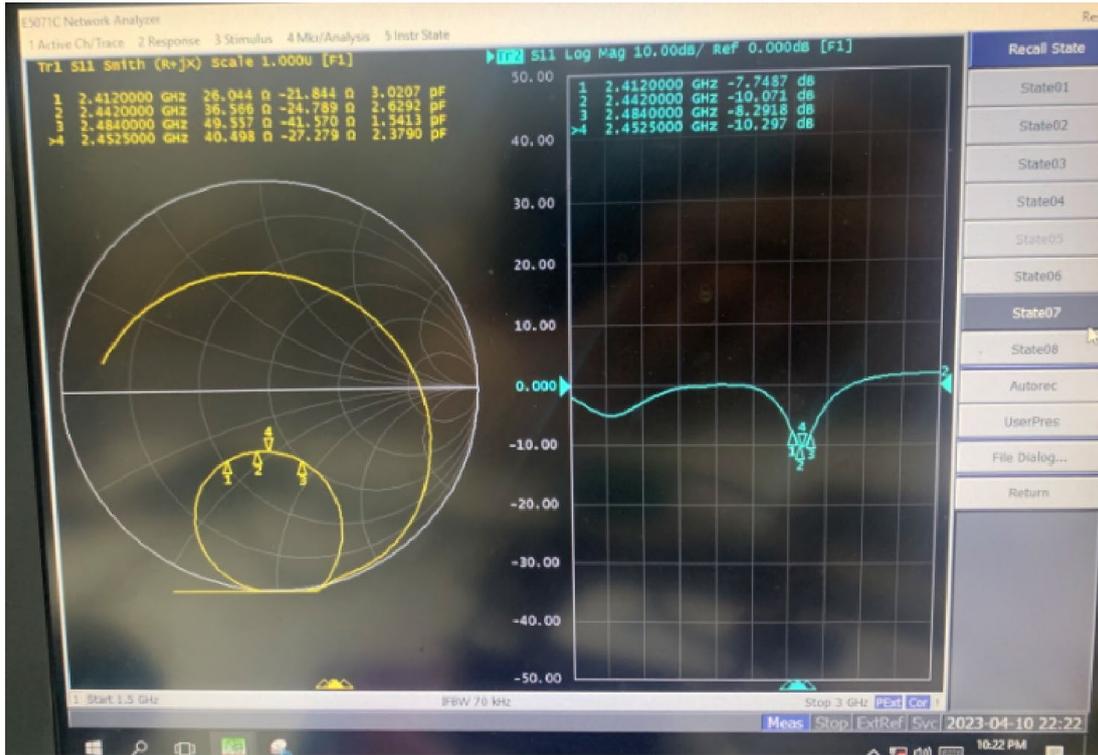
3. 测试结论 Test conclusions

3.1 频段 Frequency Band

TX □ 2400MHz~2480MHz

RX □ 2400MHz~2480MHz

3.2 S11 天线性能如下，工作频段覆盖整个 ISM 2.4G 频段 S11 antenna performance is as follows, the operating band covering the entire ISM 2.4G band;

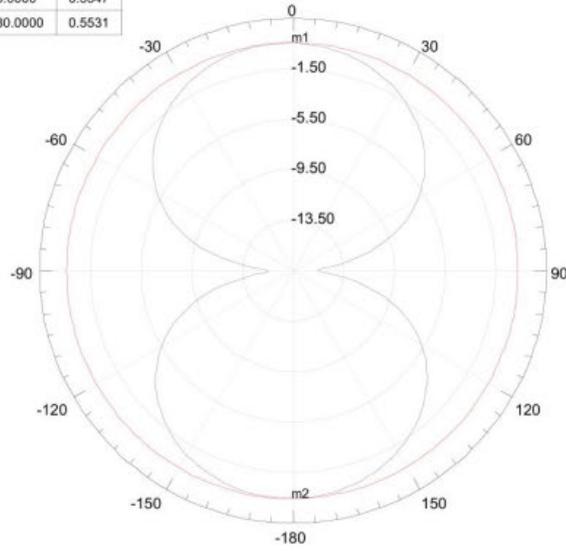


3.3 天线的无源效率和增益 The antenna passive efficiency and gain

Fre(MHz)	Eff(dB)	Gain(dB)
2400	-11.8	-4.09
2410	-11.74	-4
2420	-11.62	-4.12
2430	-11.68	-4.05
2440	-11.19	-4.06
2450	-11.14	-4.03
2460	-10.81	-4.08
2470	-10.81	-3.96
2480	-10.08	-3.91
2490	-10.02	-3.89
2500	-9.64	-3.9

3.4 2D 和 3D 的增益如下 The gain of 2D and 3D is as follows

Name	Theta	Ang	Mag
m1	0.0000	0.0000	0.5547
m2	180.0000	180.0000	0.5531



Curve Info	
—	dB(GainTotal)
Setup1: Sweep1	Phi='0deg'
—	dB(GainTotal)
Setup1: Sweep1	Phi='90deg'

