



深圳市东信通电子科技有限公司
ShenZhen Eastong Electronic technology Co., LTD

E.S Antenna Design
& Mobile Phone OTA (CTIA)

Test Report

design for : BT

Manufacturer: Shenzhen Sanchuang Zhilian Co., Ltd.

Address: No, 205, Building F, Haoguan Jiaqi Chuangyuan, Dalang Street,
Longhua New District, Shenzhen, Guangdong Province



日期	版本	状况
2024/09/25	A	FPC

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1 Overview

This report is mainly used to describe the parameters of the antenna designed by "Dongxintong Electronics" to "BT" project.

2 Project Description

Project name: BT,

Model: Bluetooth,

Frequency band:

BT

Antenna form: Make PIFA antenna form.

Motherboard model:

3 Debugging Settings

3.1 Standing Wave (VSWR) and Echo reflection (Return Loss)

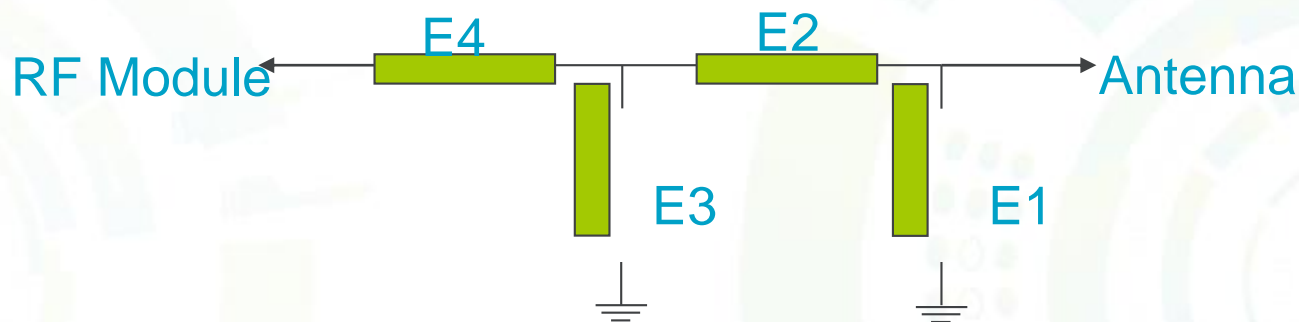
The VSWR was tested using an Agilent E5062B connected to a hand mechanism in a free-space state.

3.2 TRP/TIS was tested in ETS 7m×4m×3m 3D darkroom using Agilent8960(5515C) and 8011.

2. Advanced technology and equipment

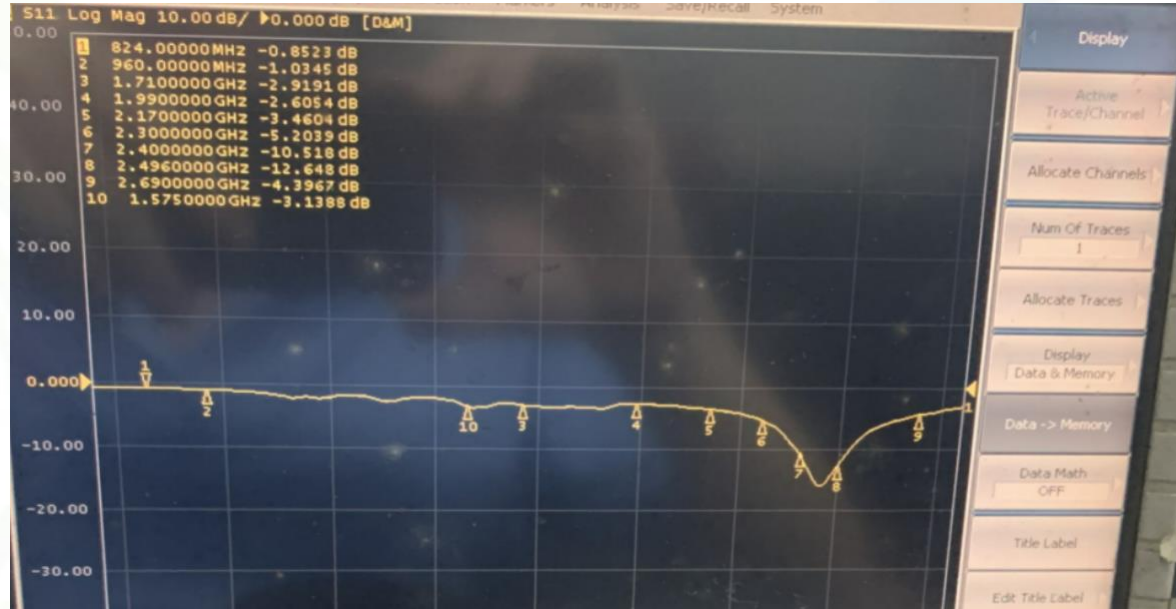


匹配电路(Matching Circuit Description)



Element	Value	Vender
E1(0201)		
E2(0201)		
E3(0201)		
E4(0201)		

未改匹配



Antenna specification





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Efficiency/Gain:

Test Point ID	Freq. (MHz)	Gain (dBi)	Directivity (dBi)	Efficiency (%)
1	2400.0	-2.91	2.46	11.0%
2	2410.0	-2.43	2.80	11.0%
3	2420.0	-2.27	3.04	11.4%
4	2430.0	-2.12	2.99	11.9%
5	2440.0	-1.72	3.24	11.9%
6	2450.0	-1.60	2.61	11.9%
7	2460.0	-1.27	3.45	11.7%
8	2470.0	-2.46	2.21	12.1%
9	2480.0	-1.09	2.43	12.5%
10	2490.0	-0.84	2.37	12.8%
11	2500.0	0.67	4.20	12.3%



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感谢贵司大力支持!

2024/10/16