

天线规格书

Antenna datasheet

日期
DATE: 2025.04.28

版本
REV.: V1.0

客 户
CUSTOMER: 德明通讯（上海）有限公司

客 户 料 号
CUSTOMER P/N:

品 名
PART NAME: SD-W01

供 方 料 号
SUPPLIER P/N: F01-7229-R0A

送样日期 **Date:** 送样数量 **Q'TY:** **Pcs**

客户确认 CUSTOMER APPROVED BY		
工程研发部	生产采购部	承认
ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVED BY

供方确认 SUPPLIER SIGNATURE		
研发部	工程部	批准
ENGINEER R&D DEPT	ENGINEER R&D DEPT	APPROVAL

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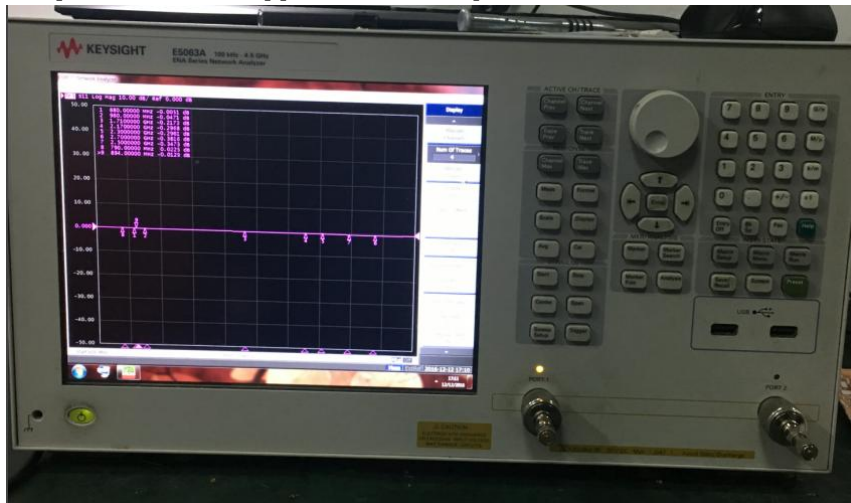
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1. RF Fixture Experiment

1.1 Test Setup

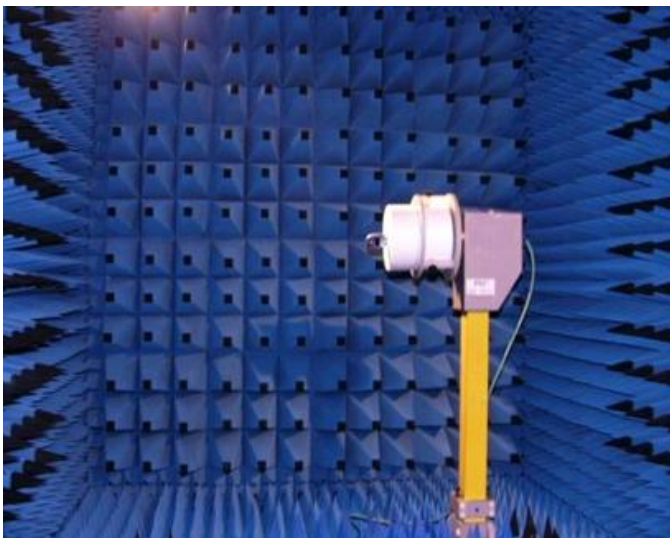
1.1.1 VNA Test Setup

VSWR and Return Loss measurements (S_{11}) were performed using an Keysight E5071C Network Analyzer. The isolation between antennas is also tested. The testing was performed with apparatus in free space.



1.1.4 Anechoic Chamber Test Setup

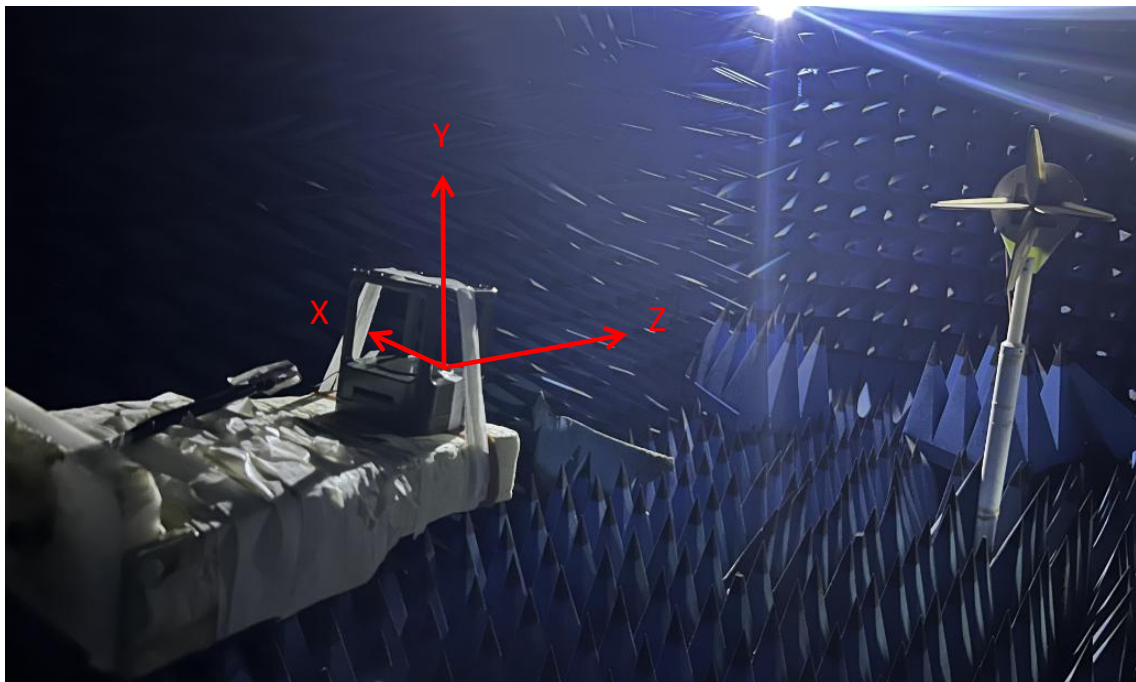
When we test Gain and Efficiency of the antenna, we will use the ETS 3D chamber. The chamber provides test frequency from 400MHz to 6GHz. The real test environment is showing as following picture



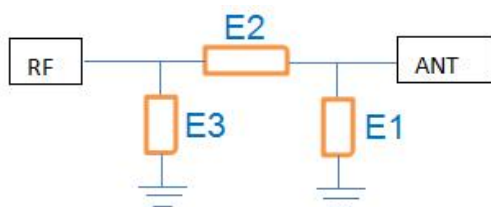


1.2 UE configuration

1.2.1 Antenna location pictures

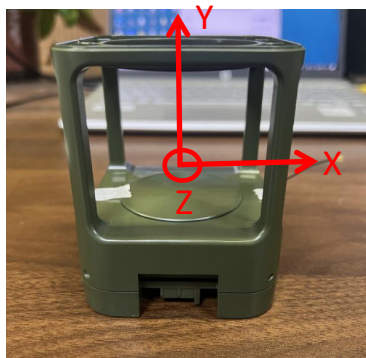


1.2.2 RF matching for different antennas



E1(0201)	NA
E2(0201)	0 欧姆
E3(0201)	NA

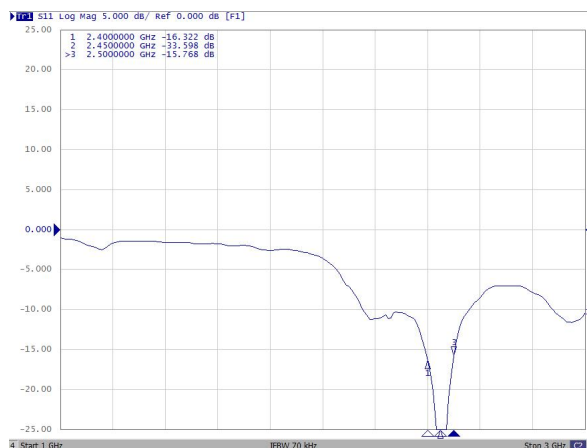
1.2.3 Environmental treatment



2. Test Result

2.2 Passive Test Result(S parameters)

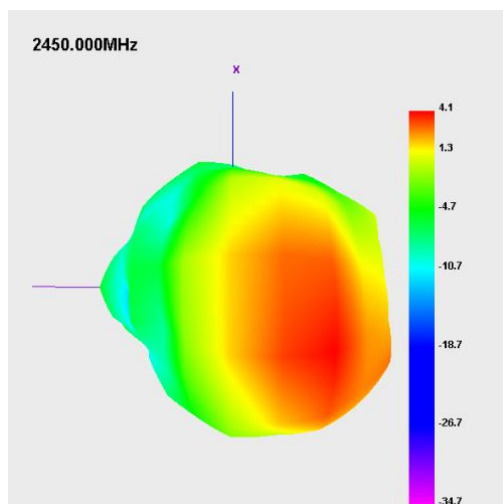
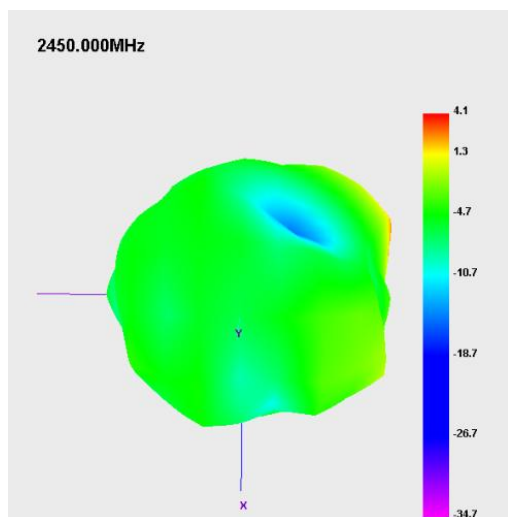
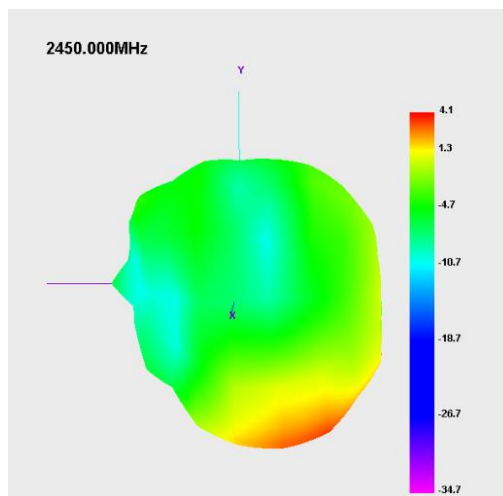
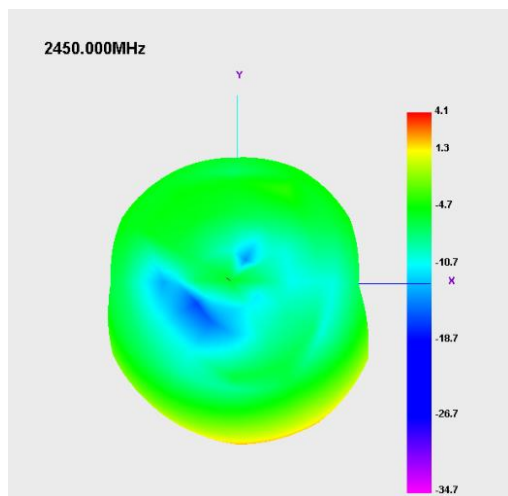
S11



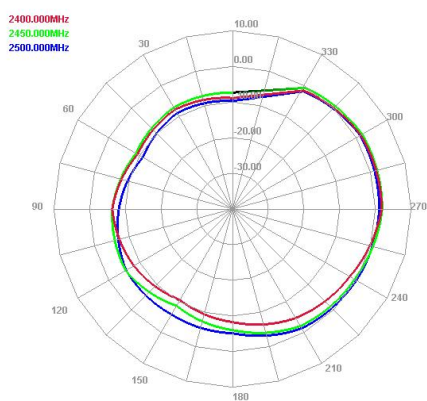
Efficiency

Freq (MHz)	Effi (%)	Gain (dBi)
2400	45.51	3.66
2410	44.88	3.58
2420	52.11	3.89
2430	51.54	3.92
2440	52.4	3.67
2450	53.21	3.84
2460	52.39	4.00
2470	51.83	3.9
2480	48.81	3.85
2490	47.05	3.65
2500	47.36	3.94

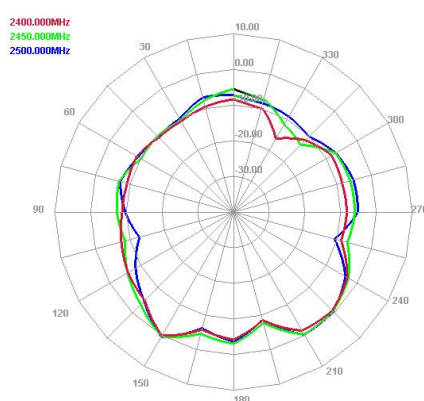
2D&3D



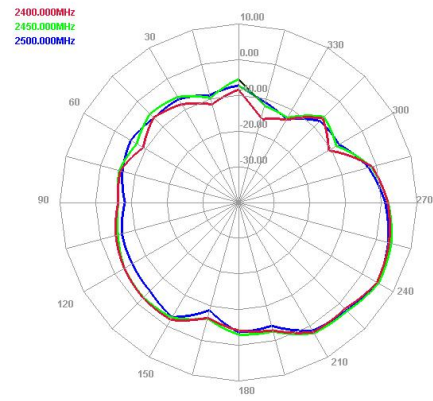
Horizontal



E1 Face



E2 Face



产品包装规范

日期: 2025.4.24

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成品类型: FPC天线

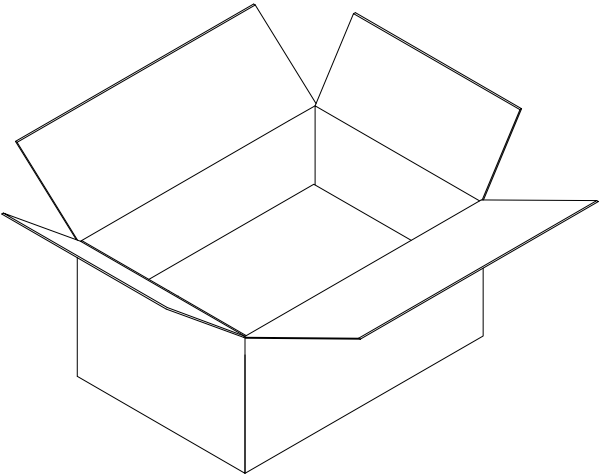
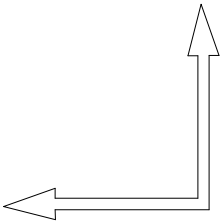
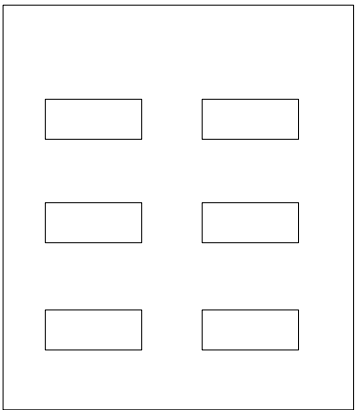
版本: A

客户: 德明

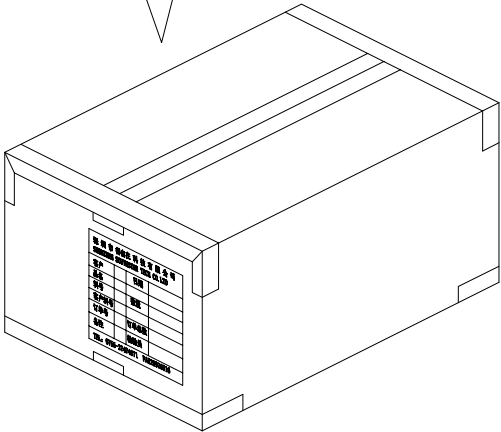
一: 成品天线



二: 用PE袋包装, 一袋装200pcs。



三: 装一箱, 一箱装12000PCS (以实际包装为准)



四: 封箱, 外箱贴我司生产标签和 ROHS标签

批准: _____

确认: _____

拟制: 田进 _____