

天线规格书

Antenna datasheet

日期
DATE: 2026.05.13

版本
REV.: V3.0

客 户
CUSTOMER: 德明通讯（上海）有限公司

客 户 料 号
CUSTOMER P/N: TX0672T001

品 名
PART NAME: AS35

供 方 料 号
SUPPLIER P/N: N12-7424-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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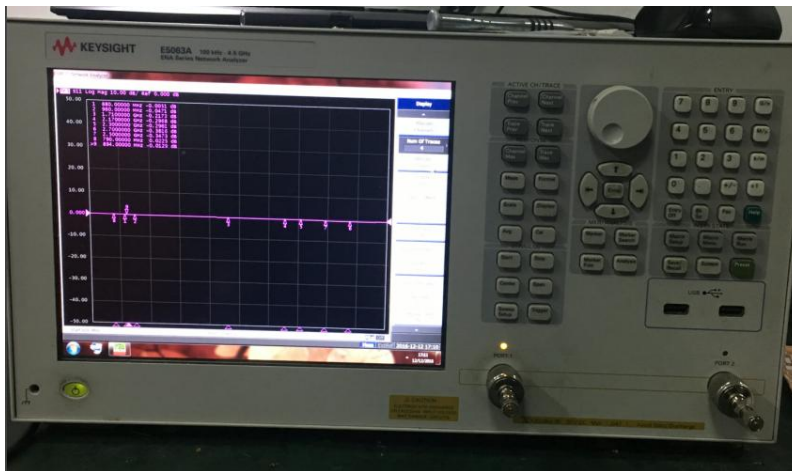
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1. RF Fixture Experiment

1.1 Test Setup

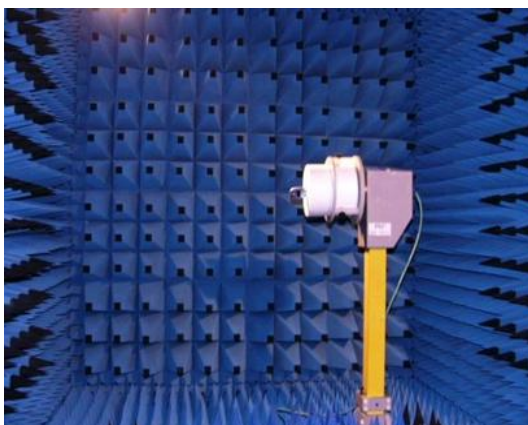
1.1.1 VNA Test Setup

VSWR and Return Loss measurements (S11) 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

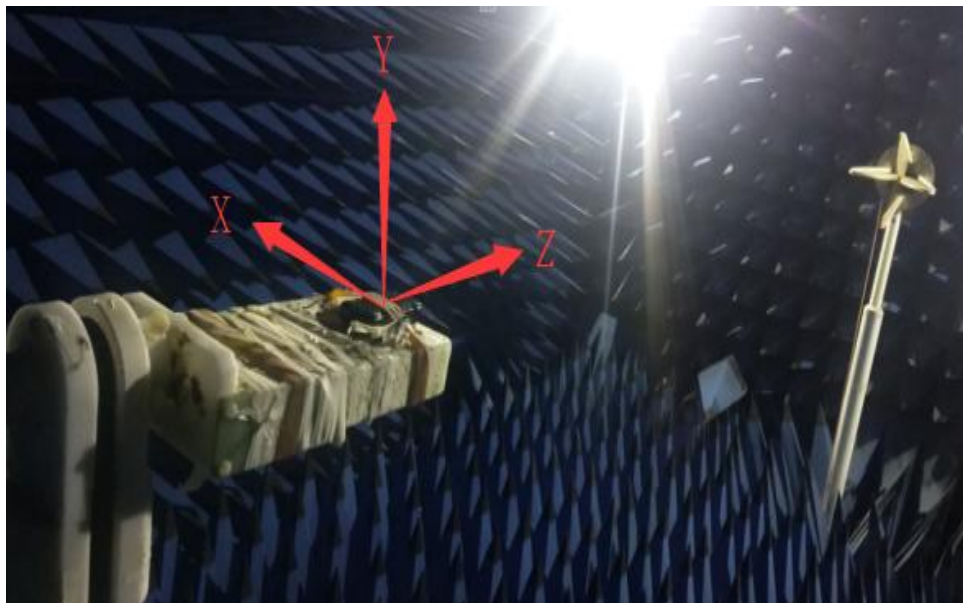
When we test Gain and Efficiency of the antenna, we will use the ETS 3D chamber. The chamber provides test frequency from 400MHz to 6GHz. The real test environment is showing as following picture



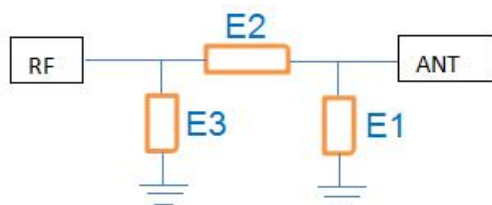


1.2 UE configuration

1.2.1 Antenna location pictures



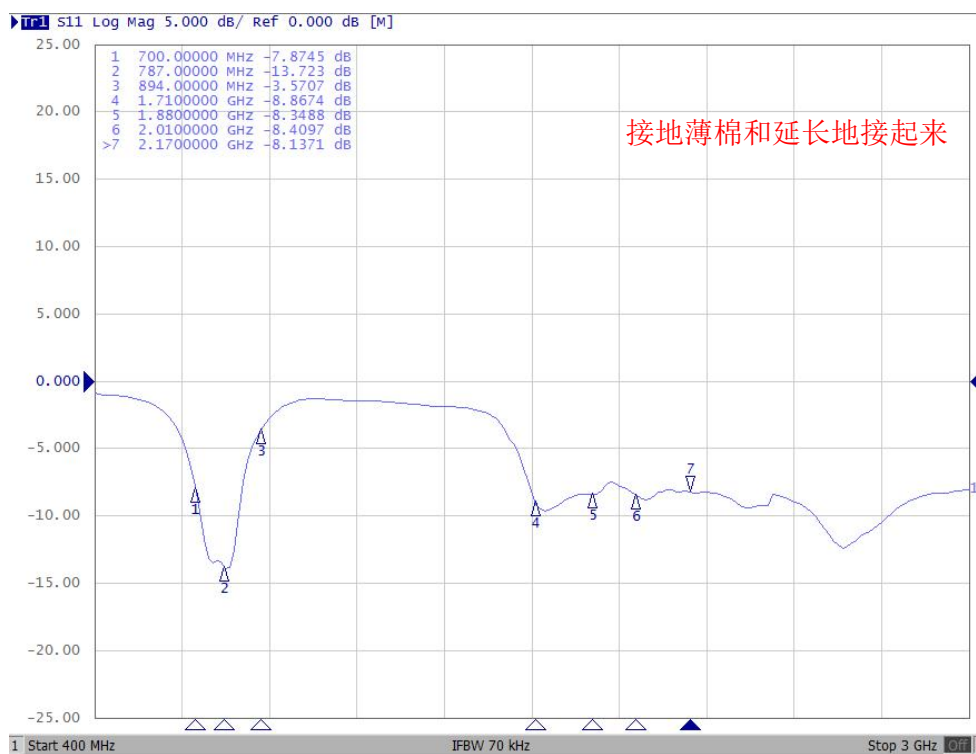
1.2.2 RF matching for different antennas



E1(0201)	5.1nH
E2(0201)	0 欧姆
E3(0201)	NA

2.1 Passive Test Result(S parameters)

S11



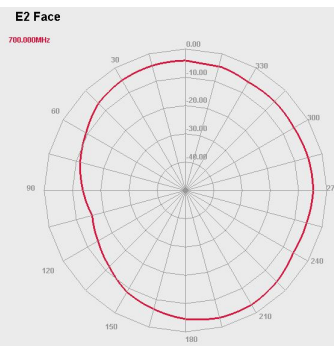
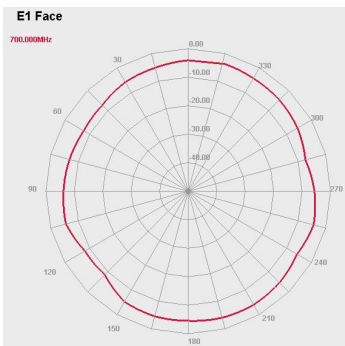
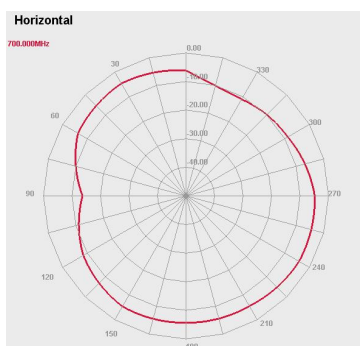
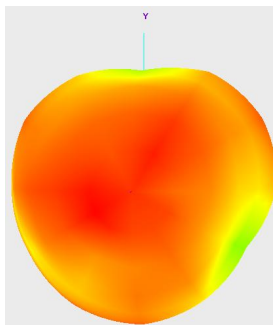
2.2 Efficiency

Frequency (MHz)	Gain (dBi)	Efficiency (%)
690	-0.87	28.30
700	-0.88	29.57
710	-0.53	30.64
720	-1.27	28.39
730	-1.16	27.39
740	-1.63	25.78
750	-1.70	24.88
760	-1.86	25.78
770	-1.29	28.08
780	-1.12	29.25
790	-0.63	30.99
800	-0.64	30.08
810	-0.66	31.64
820	0.07	32.29
830	0.11	33.13
840	0.37	35.25
850	0.43	37.83
860	0.21	38.88
870	-0.10	36.59
880	-0.97	32.41
890	-1.69	30.38
900	-1.92	29.25

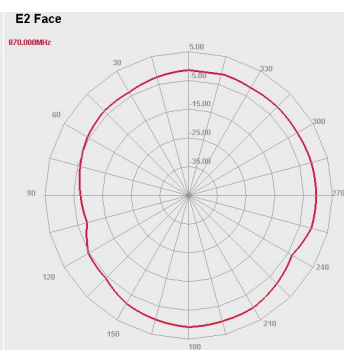
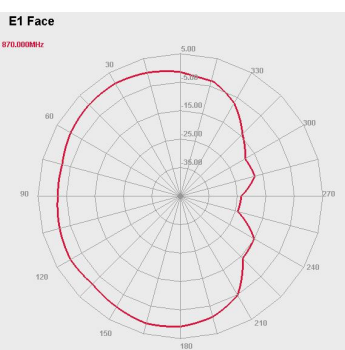
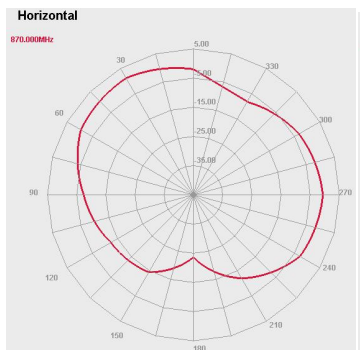
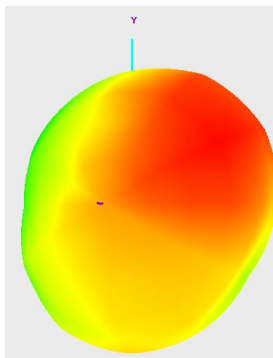
Frequency (MHz)	Gain (dBi)	Efficiency (%)
1700	1.18	37.52
1720	1.20	41.57
1740	1.87	43.18
1760	2.13	45.50
1780	2.03	44.62
1800	1.97	43.68
1820	2.12	42.24
1840	2.03	41.54
1860	1.71	39.73
1880	1.36	39.85
1900	1.31	38.97
1920	1.23	38.48
1940	1.47	37.48
1960	1.48	37.12
1980	1.74	36.83
2000	1.91	36.99
2020	1.85	37.21
2040	1.58	36.35
2060	1.04	34.70
2080	0.74	32.20
2100	0.78	30.19
2120	0.98	31.26
2140	0.81	32.18
2160	0.92	32.15
2180	1.05	31.16

2.3 Patterns

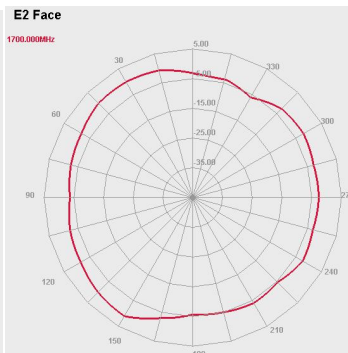
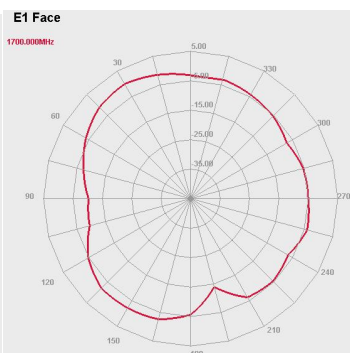
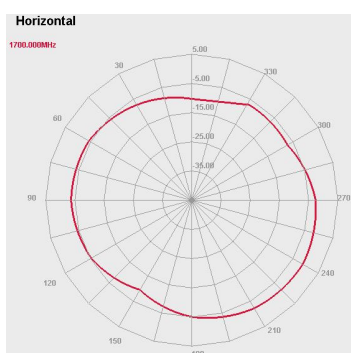
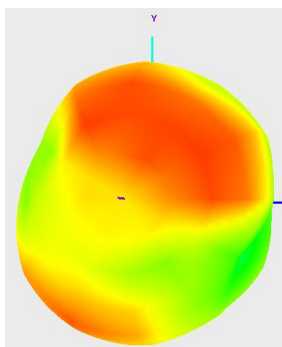
700MHZ



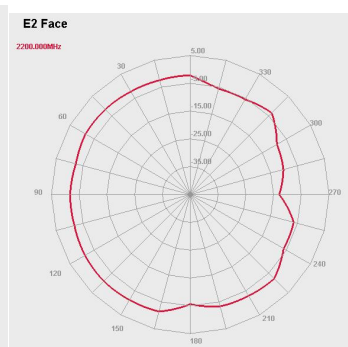
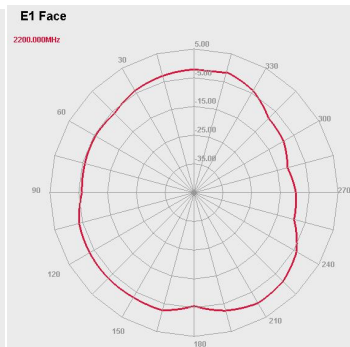
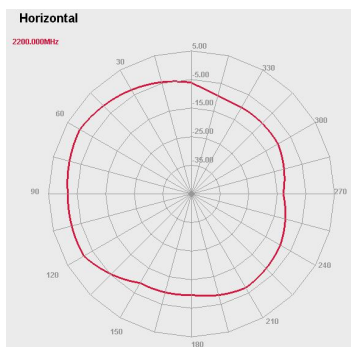
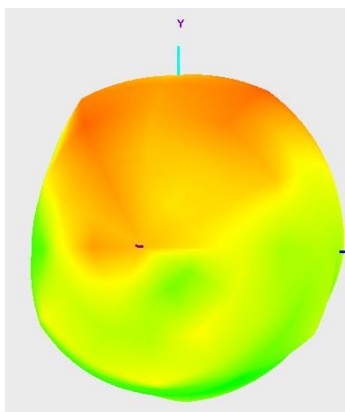
870Mhz



1700Mhz



2200Mhz



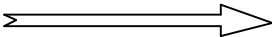
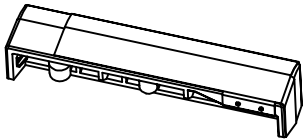
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成品名称 :AS35

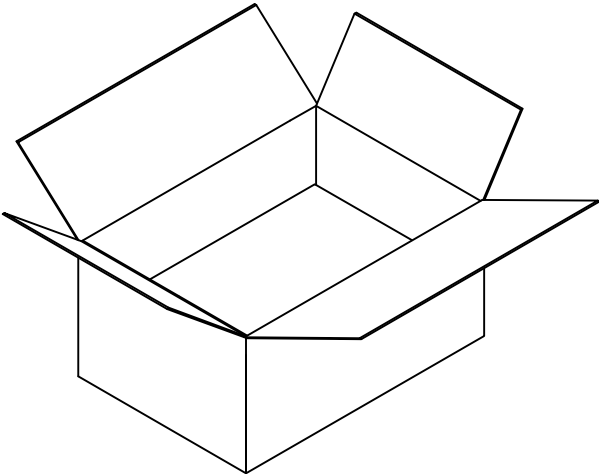
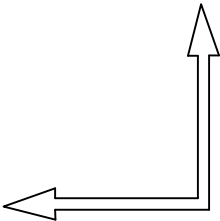
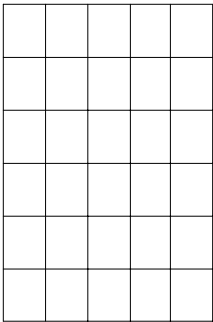
版本: A

客户: 德明

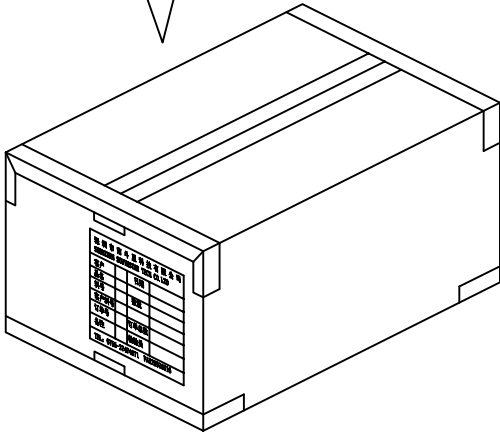
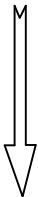
一：成品天线



二：用吸塑盘包装



三：装一箱，以实际包装为准



四：封箱, 外箱贴我司生产标签和 ROHS标签.