Deman	Date 10/23/2017	Version No. A

上海德门电子科技有限公司

SHANGHAI DEMAN ELECTRONICS TECHNOLOGY CO.,LTD.

产品规格书

PRODUCT SPECIFICATION

客户 **Customer**	
客户编码 **Customer's part number**	
产品料号 **Product Material Code**	TFPD05H08750011
工作频段 **Working Band**	2400-2500MHz
发行日期 **Issue Date**	2017-10-23
发行版本 **Release Version**	A
作者 **Author**	张平

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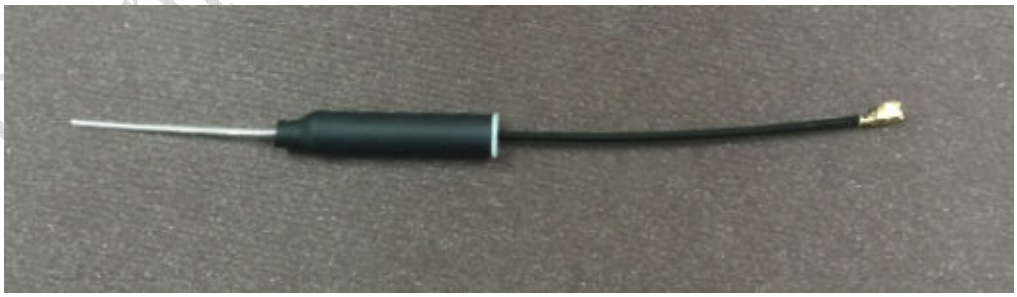
1 产品技术指标（PRODUCT TECHNICAL SPECIFICATION）

电性能指标 Electrical Specifications	
频率范围 Frequency Range（MHz）	2400-2500
频带宽度 Bandwidth（MHz）	100
输入阻抗 Input Impendence（Ω）	50
电压驻波比 VSWR	＜2.5
增益 Gain（dBi）	＞1.0
极化形式 Polarization Type	垂直极化 Vertical
机械指标 Mechanical Specifications	
天线长度 Antenna Length（mm）	100mm
连接器型号 Connect Type	iPex 一代
工作温度 Operatin Temp（℃）	-30～70
储存温度 Storing Temp(℃)	-30～70
外壳颜色 Radome Color	黑色 Black

2 产品电性能参数（PRODUCT ELECTRICAL PERFORMANCE PARAMETER）

2.1 产品图片（Product picture）



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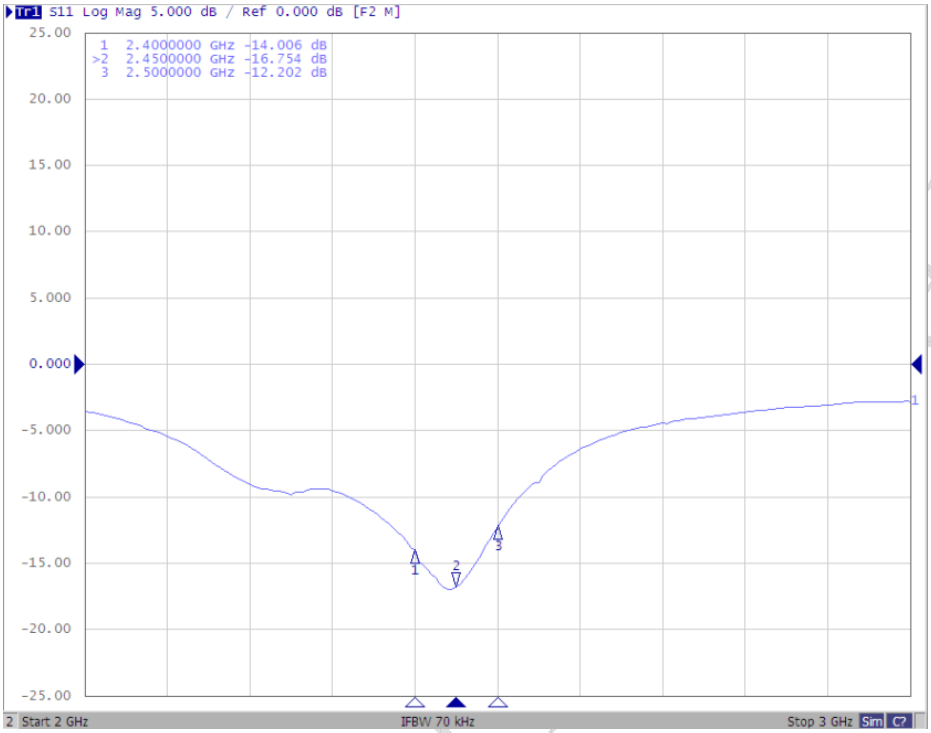
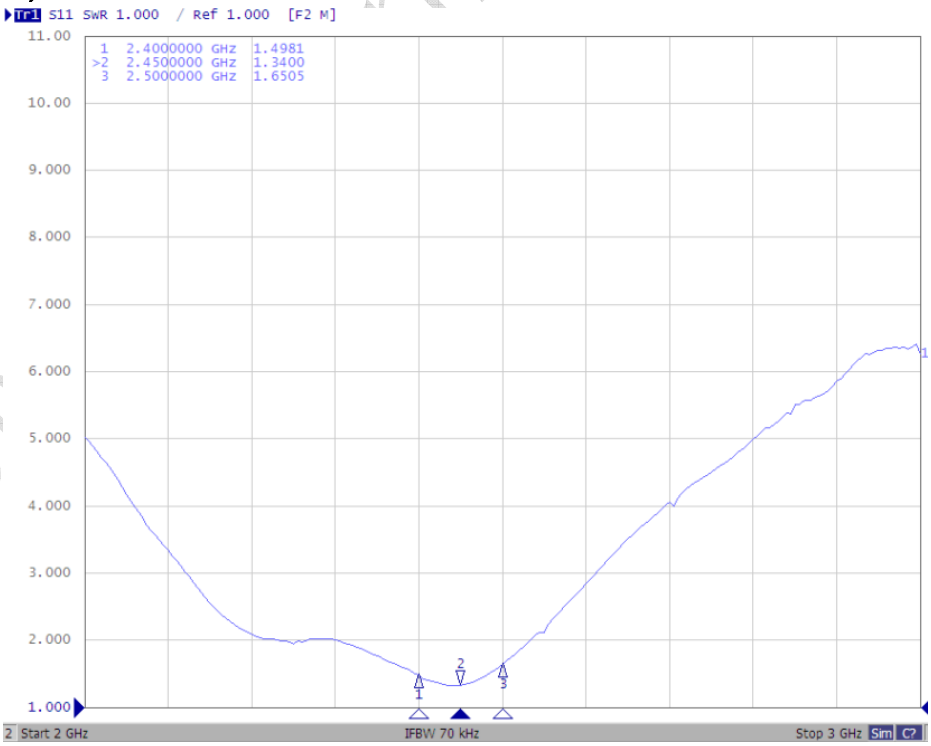
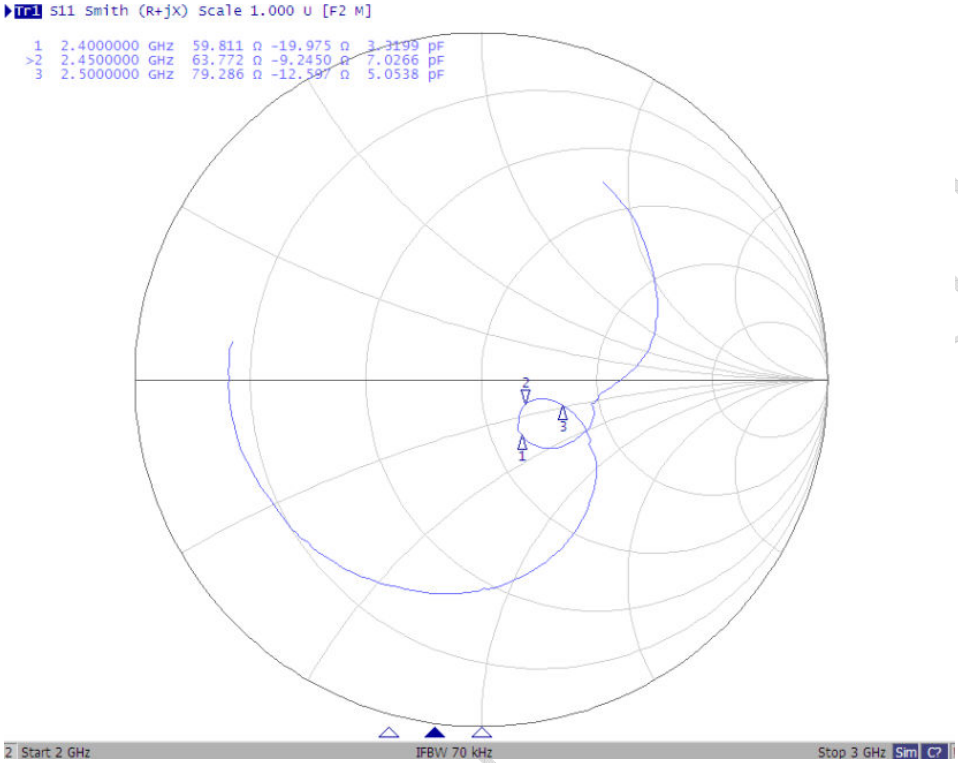
2.2 反射损耗（S11）



2.3 驻波比(VSWR)



2.4 史密斯图（Smith Chart）



2.5 效率、增益（Efficiency/Gain）

Freq. (MHz)	Effi.	Gain (dBi)
2400	78%	2.17
2410	78%	2.19
2420	79%	2.31
2430	79%	2.26
2440	78%	2.21
2450	79%	2.33
2460	78%	2.32
2470	76%	2.14
2480	75%	2.05
2490	74%	2.02
2500	72%	1.83
Avg.	77%	2.17

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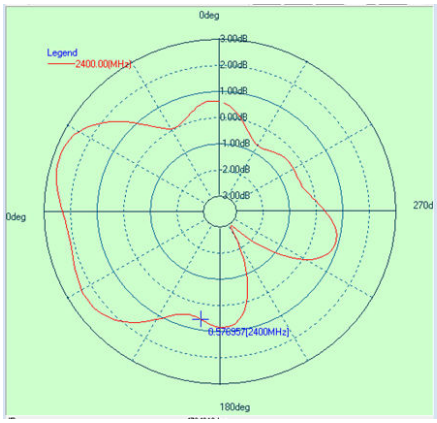
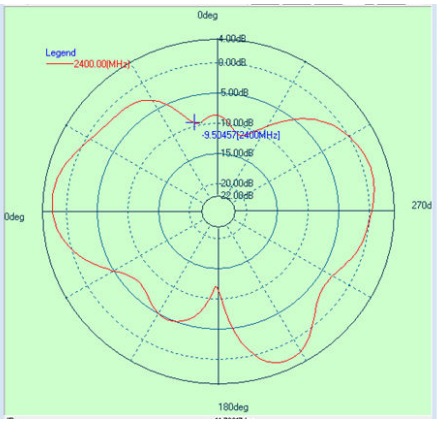
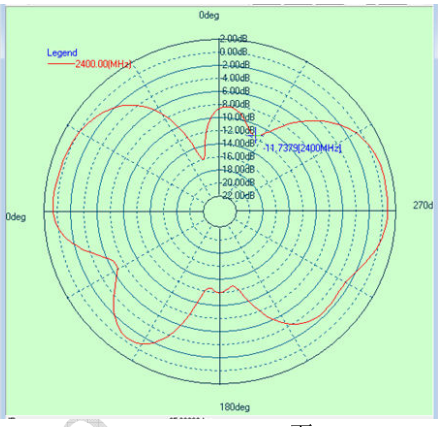
2.6 方向性图（Directivity Diagram）



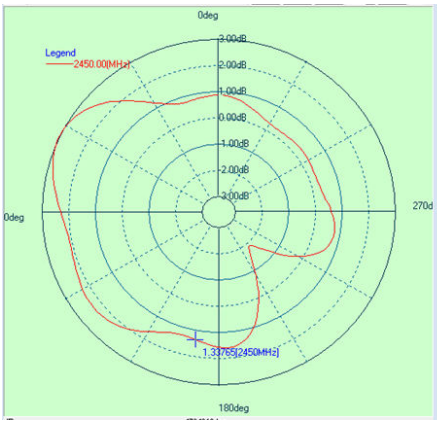
2400MHz H 面



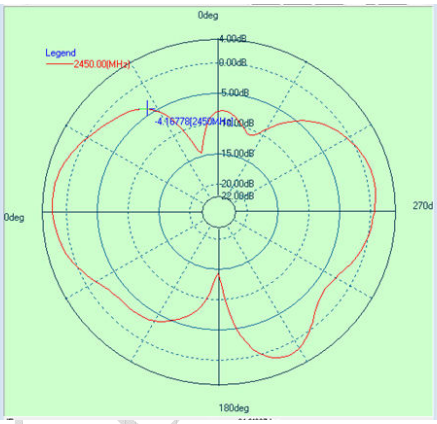
2400MHz E1 面



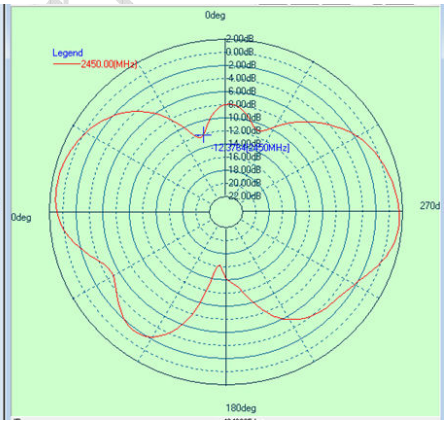
2400MHz E2 面



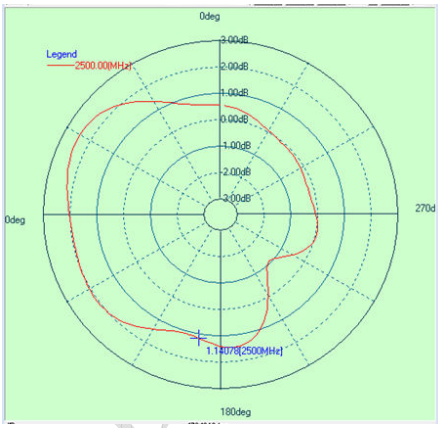
2450MHz H 面



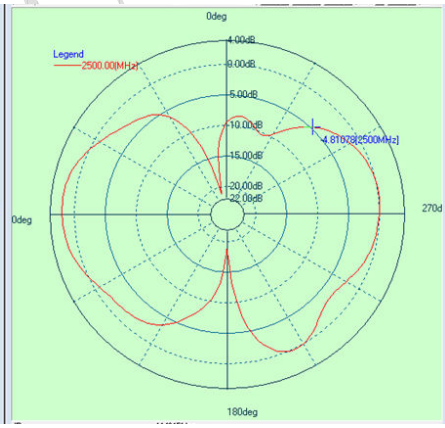
2450MHz E1 面



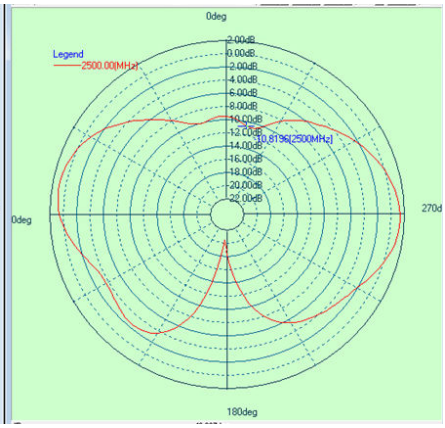
2450MHz E2 面

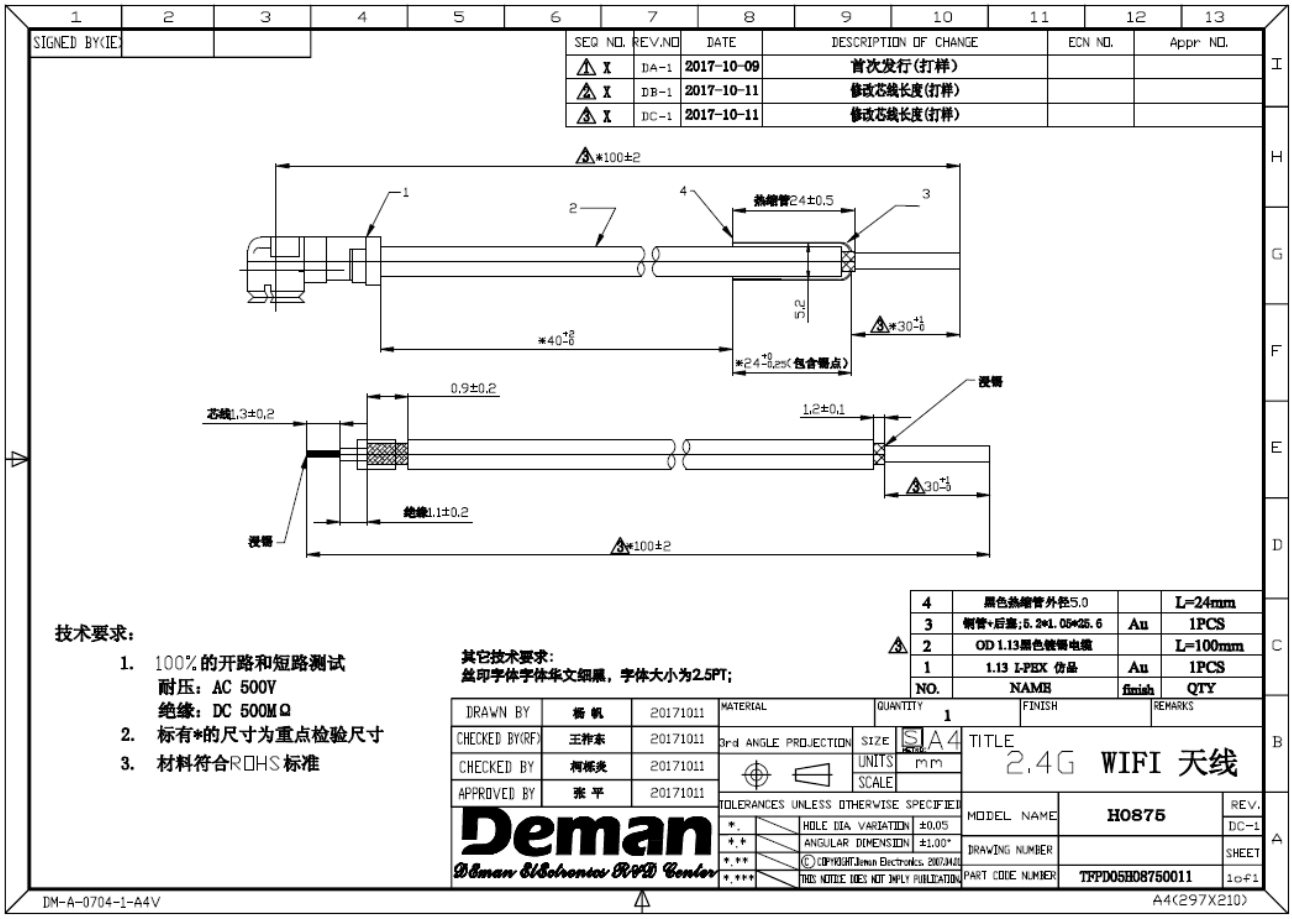


2500MHz H 面



2500MHz E1 面



2500MHz E2 面

3 产品尺寸（Product dimensions）