产品规格承认书

Product specifications
acknowledgment

承认厂商： _____

(Recognized manufacturers)

制 造 厂 商： Shenzhen Bat Wireless Technology Co. LTD

（Manufacturer）

产 品 名 称： FPC ANT

（Description）

产品选型表：

（Product Type）

型号	说明	备注
BW258FND35-15B4L140		参数均可订制

供应商承认签栏		
制表者	**审核者**	**核准者**

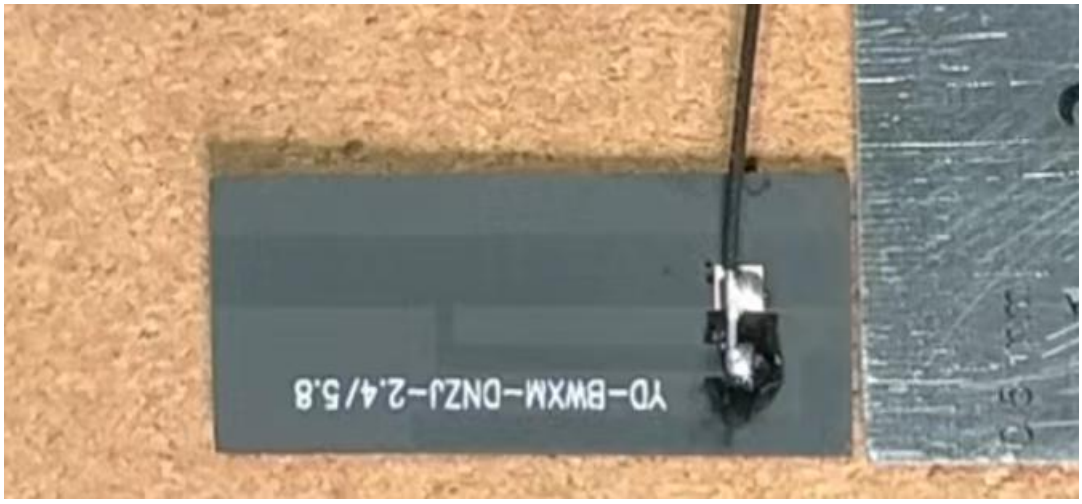
客户承认栏	
审核者	**核准者**

1.1 Specifications

天线型号 Antennas Type	BW258FND35-15B4L140
频率范围 Frequenc Range(MHz)	2400-2500MHz
输入阻抗 Input Impendence (Ω)	50Ω
电压驻波比 V.S.W.R	<2
增益 Gain (dBi)	2.22dBi
极化形式 Polarization Type	垂直 Vertical
功率容量 Power Capacity (w)	50
雷电保护 Lingtning Protection	None
工作电压 DC Voltage (V)	None
天线尺寸 Dimension (mm)	35-15
接口形式/Connector Type:	IPEX-4
电缆型号 Cable type (mm)	Φ0.81
电缆长度 Cable length(mm)	140
辐射体 Radiator	None
天线颜色 Color	黑色 Black
重量 Weight(g)	None
工作温度 Operating Temperature (℃)	-40~80
储藏温度 Storage Temperature (℃)	-20~85

* Note: The above data is for reference only. Since the antenna function is sensitive, please inform us of any changes of the surrounding institutions.

1.2 Antenna Picture



上图型号：BW258FND35-15B4L140

(Customize the middle connecting line length and antenna shape)

***注： 因天线功能较为敏感，主体周边机构有变更请通知我们评估。**

* Note: Since the antenna function is sensitive, please inform us of any changes in the surrounding institutions.

2. Electrical Specification

2.1 Test Equipment

A. VSWR and input impedance: Agilent 8753/E5071 Network Analyzer

B. Antenna gain and efficiency: ETS three-dimensional anechoic chamber

2.2 Test Setup

2.2.1 Frequency Range

2.2.2 VSWR

Step 1: The antenna is arranged on the customer provided test fixture.

Step 2: The VSWR of the antenna is measured via Agilent 8720/8753 Network Analyzer (see figure. 1).

Figure.1

2.2.3 Radiation pattern and Gain

A. The 3D chamber provides less than -40dB reflectivity from 800MHz to 6GHz and a 40cm diameter spherical quiet zone. The measurement results are calibrated using both dipoles and standard gain horns (see figure. 2).

B. The antenna under tested is arranged in the turned table and a decoupling sleeve is used to reduce feed line radiation (see figure. 3).

C. The measured results of the radiation patterns and antenna gain are obtained from the control system and showed on the monitor (see figure. 4 and 5).

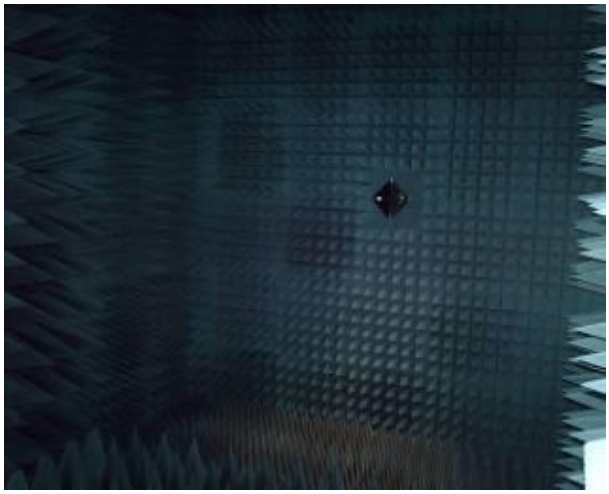


Figure.2

Figure.3

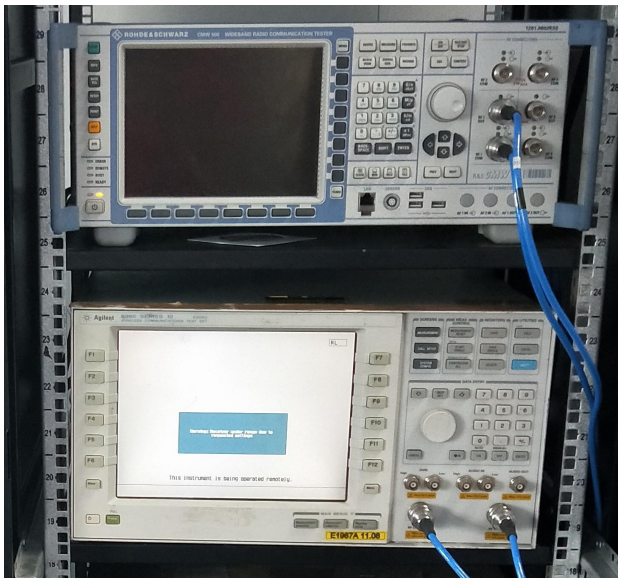


Figure.4

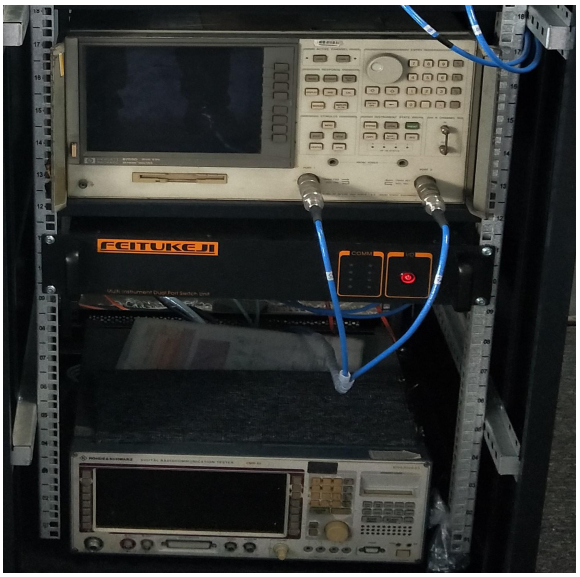
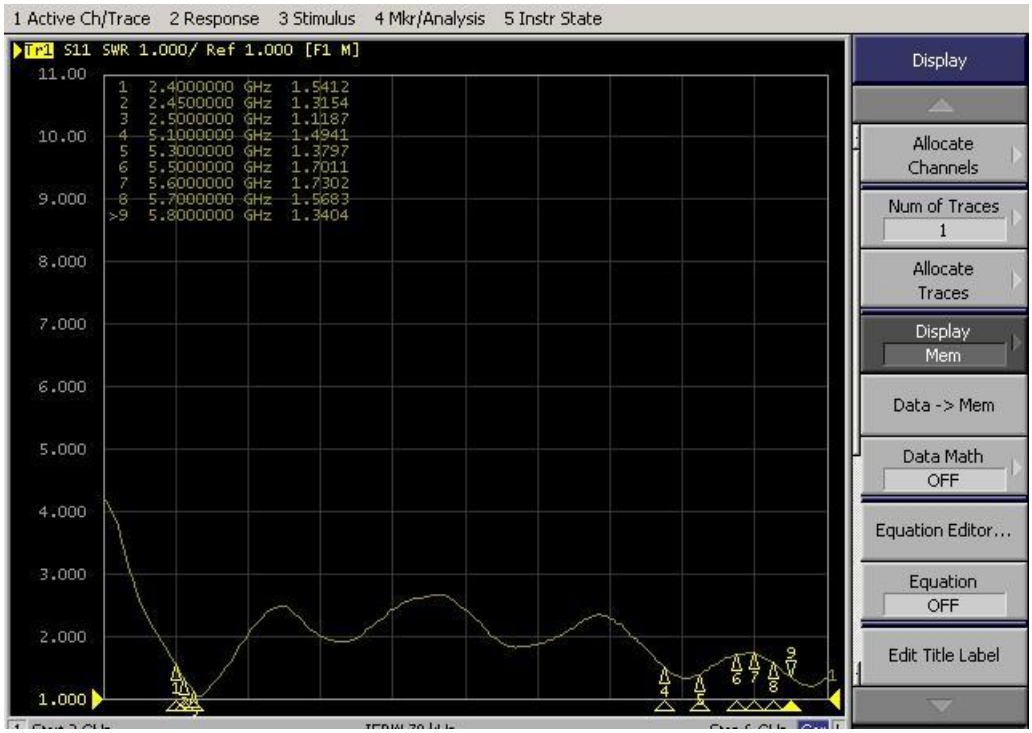


Figure.5

3. Performance Data

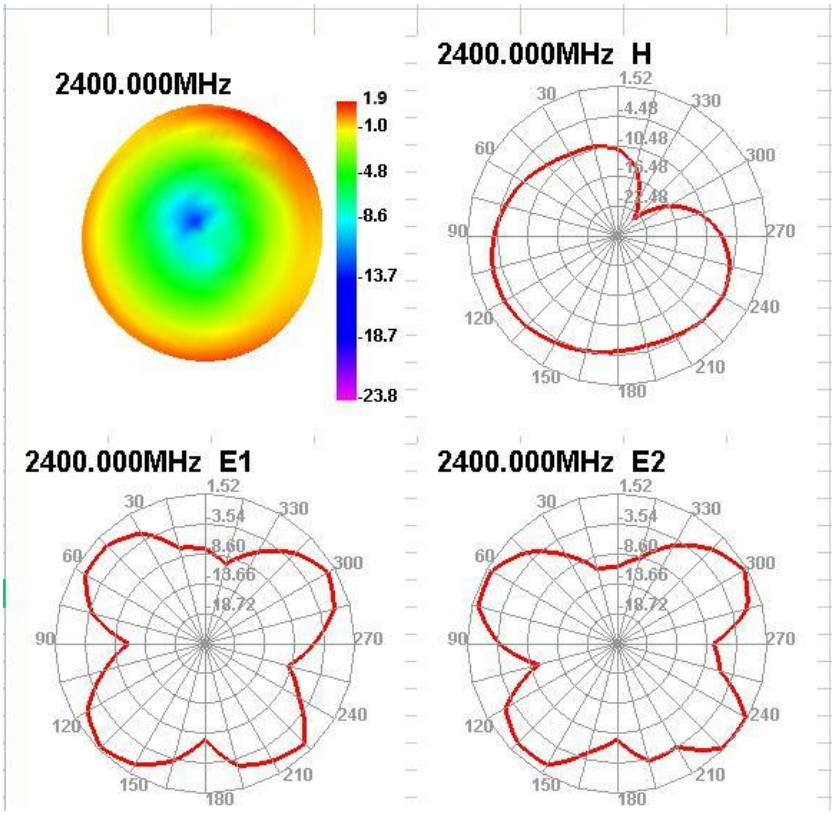
3.1 Passive data

VSWR（电压驻波比）/Return Loss（回波损耗）/Smith Chart（史密斯圆图）

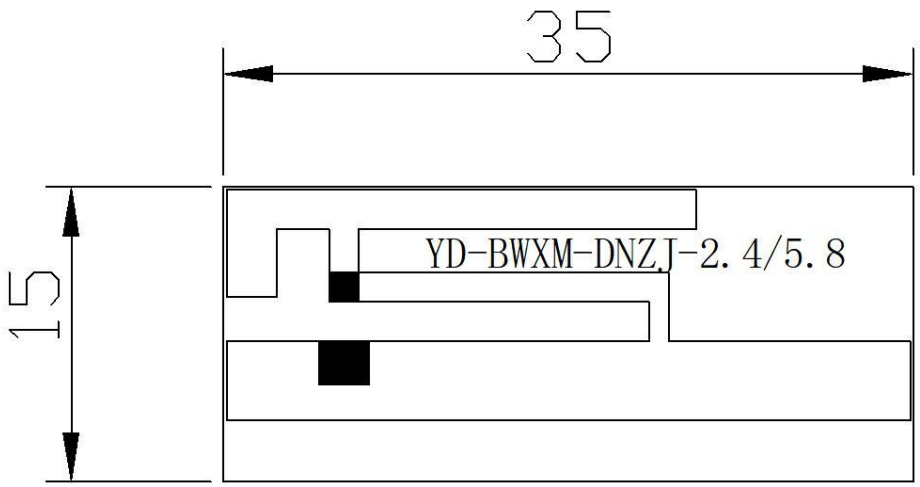


***注：以上为实测数据，仅供参考；因天线功能较为敏感，主体周边机构有变更请通知我们评估。**

Passive Test For WIFI										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHIS (%)	DHIS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	54.51	-2.64	1.93	-1.22	27.374	27.137	1.93	-15.24	48.42	48.27
2410	53.12	-2.75	1.97	-1.18	26.984	26.137	1.97	-15.25	48.62	48.42
2420	54.92	-2.6	2.22	-0.93	28.175	26.746	2.22	-15.05	48.87	48.69
2430	53.16	-2.74	2.04	-1.11	27.347	25.813	2.04	-15.2	48.84	48.66
2440	52.85	-2.77	1.9	-1.25	27.092	25.756	1.9	-15.14	48.95	48.73
2450	54.93	-2.6	1.95	-1.2	27.939	26.992	1.95	-15.43	49.07	48.77
2460	56.27	-2.5	1.99	-1.16	28.379	27.893	1.99	-15.88	49.11	48.76
2470	56.58	-2.47	2.06	-1.09	28.364	28.212	2.06	-16.95	49.11	48.73
2480	60.33	-2.19	1.44	-0.71	30.169	30.16	1.44	-17.48	49.41	48.96
2490	65.91	-1.81	1.97	-0.18	32.97	32.943	1.97	-17.48	49.76	49.29
2500	63.79	-1.95	1.9	-0.25	32.048	31.746	1.9	-17.49	49.65	49.12

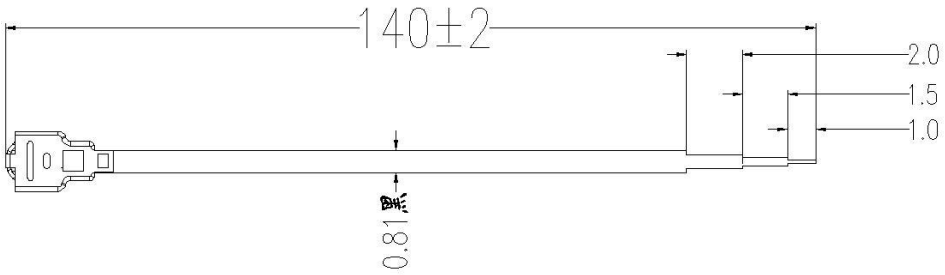


4.1 Assembly Drawing



注：双面黑油，白色字符，补强0.2MM,基材一对半,背胶3M9471

IPEX四代



5.免责声明(Disclaimer)：

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