产品规格承认书

Product specifications acknowledgment

承认厂商： _____

(Recognized manufacturers)

制 造 厂 商： 深圳市蝙蝠无线技术有限公司

（Manufacturer）

产 品 名 称： FAKRA 天线连接座

（Description）

产品选型表：

（Product Type）

型号	说明	备注
BWFAK-JWE-ZB	FAKRA 板端 弯头 Z 型	

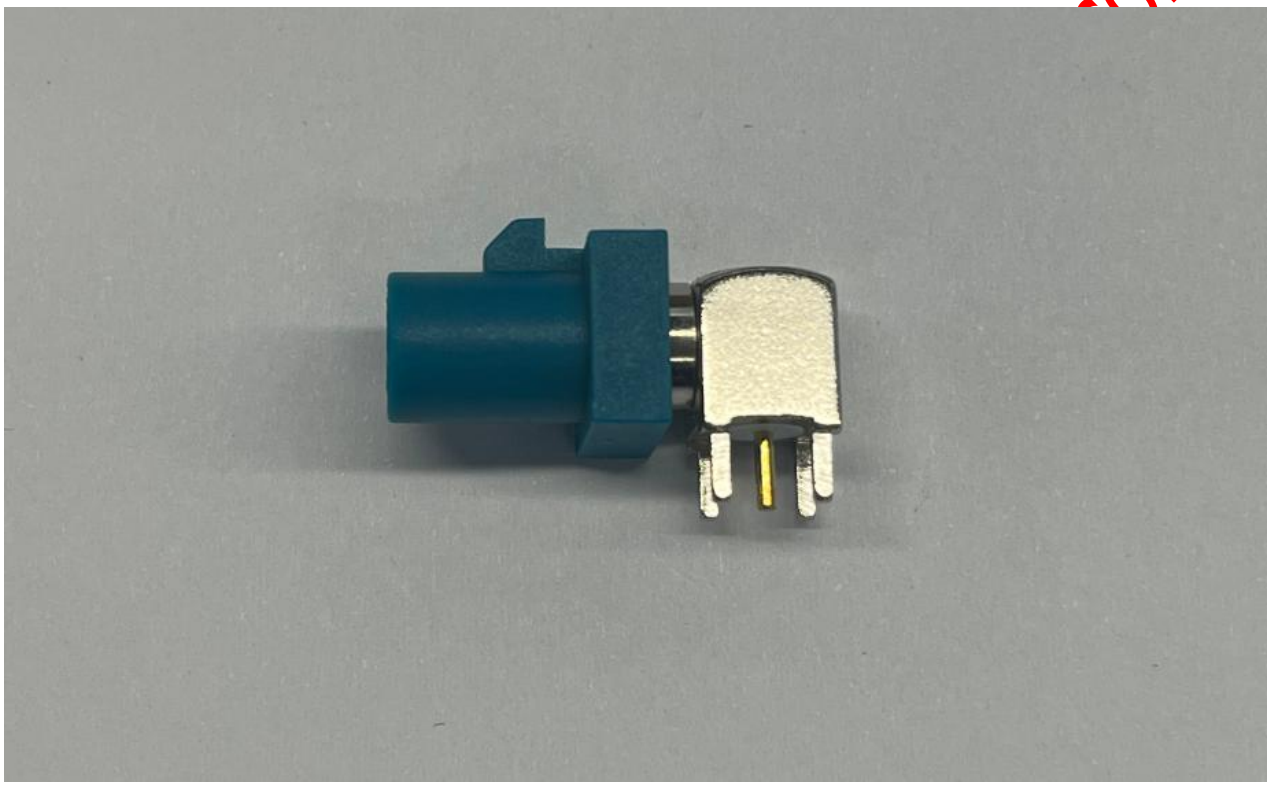
供应商承认签栏		
制表者	**审核者**	**核准者**

客户承认栏	
审核者	**核准者**

1.1 Specifications

型号 Antennas Type	BWFAK-JWE-ZB
阻抗 Impendence (Ω)	50Ω
电压驻波比 V.S.W.R	<1.5
频率范围 Frequenc Range(GHz)	0~4GHz
工作电压 DC Voltage（V）	335V max
介质耐压 Withstand Voltage(V)	1000Vrms
接触电阻 Contact resistance()	内导体<6mOhm 外导体<1mOhm
绝缘电阻 Insulation resistance	≥1000MΩ
插入损耗 Insert Loss	0.15dB(6GHz)
射频泄漏 RF leakage	-60dB/-90dB(软电缆/半刚电缆)@2-3GHz
耐用性 Durability(mating)	500 次
外壳 Shell	PA66+30%GF
壳体 shell	黄铜镀镍
插针 contact pin	磷铜镀金
绝缘体 insulator	聚四氟乙烯
重量 Weight(g)	None
工作温度 OperatingTemperature(℃)	-40~+105
标准 APPLICABLE STANDARD	MIL-C-39012

1.2 Antenna Picture



上图型号：BWFAK-JWE-ZB

***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。**

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).

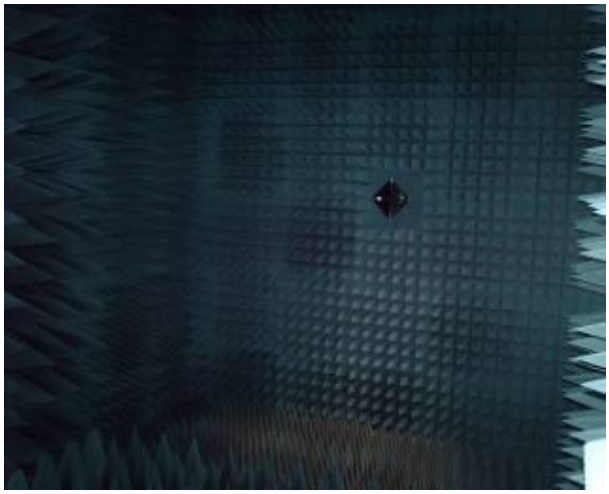


Figure.2

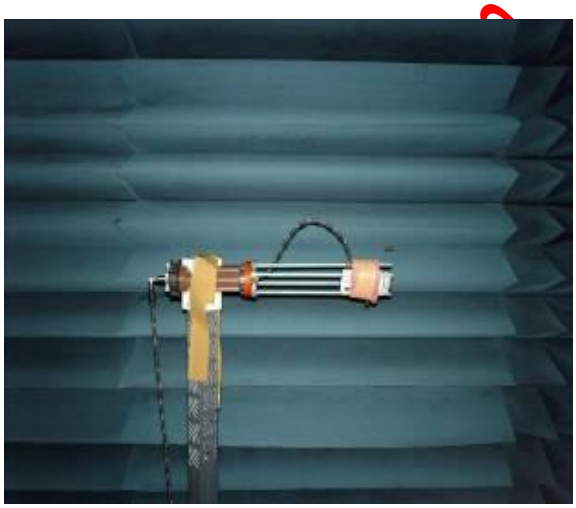


Figure.3

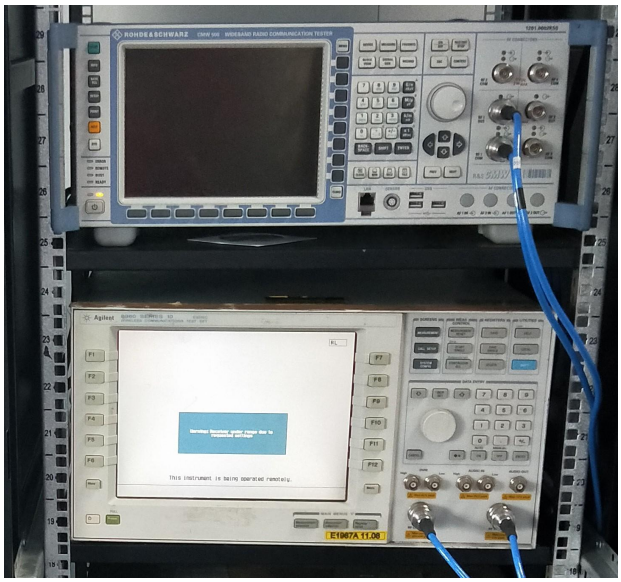


Figure.4

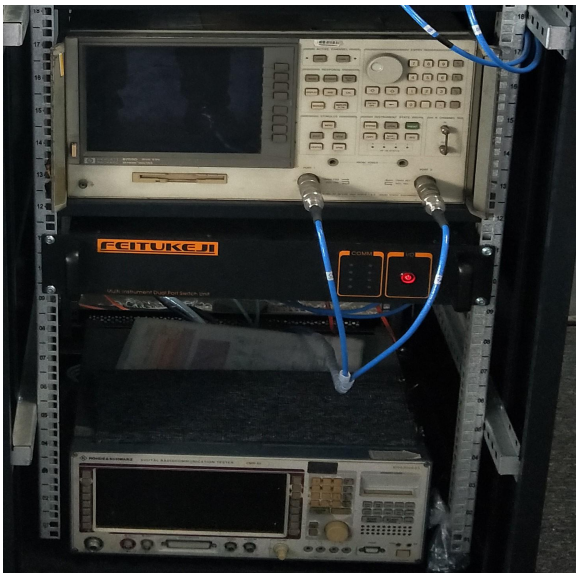
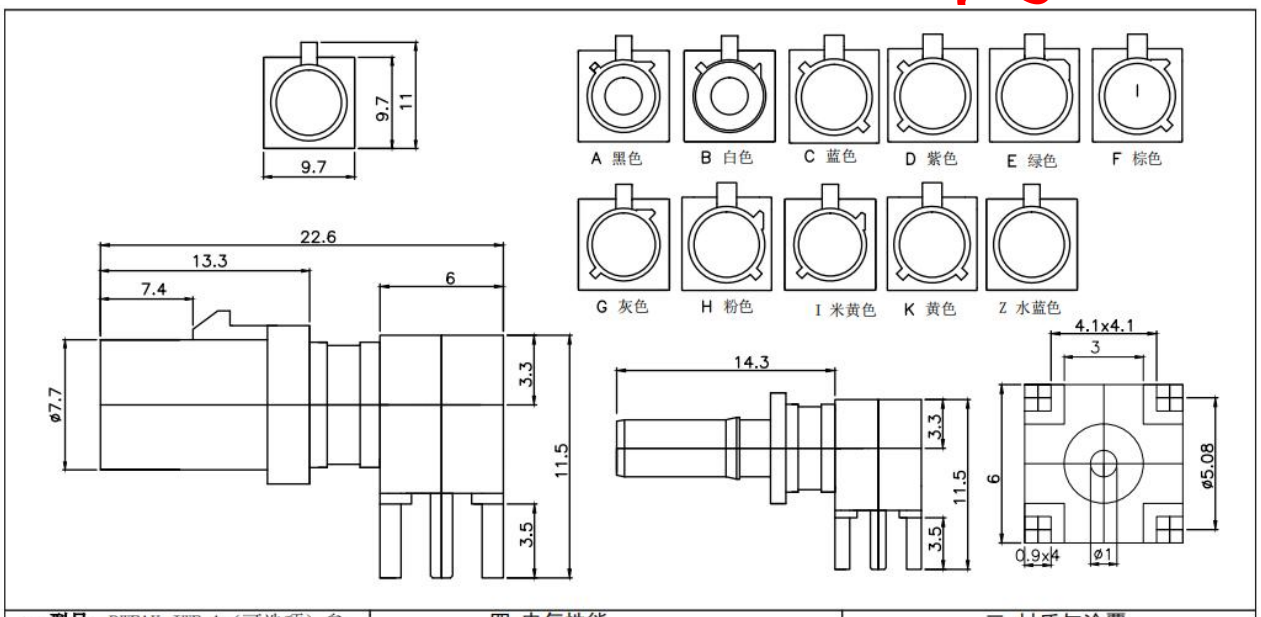


Figure.5

4.Mechanical Specification

4.1 Assembly Drawing



一. 型号：BWFAK-JWE-A（可选项）参照上图颜色选择尾缀编号	四. 电气性能			三. 材质与涂覆			
	序号	检测项目	技 术 指 标	序号	零件名称	材 料	涂 复
	1	特性阻抗	50Ω	1	外壳	PA66+30%GF	
二. 适用技术标准：MIL-C-39012	2	频率范围	0~4GHz	2	壳体	黄铜	镀 镍
	3	工作电压	335Vmax	3	绝缘子	聚四氟乙烯	
制 图	4	绝缘电阻	≥1000MΩ	4	插针	磷铜	镀 金
批 准	5	接触电阻	内导体≤6mΩ，外导体≤1MΩ	5			
深圳市蝙蝠无线技术有限公司	6	机械耐久性	500次	6			
	7	耐 压	1000Vrms（海平面最小值）	7			

5.免责声明(Disclaimer)：

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