

客户签名:

产品规格说明书

PRODUCT SPECIFICATION

日期:

产品名称: **PXF-01**

PRODUCT NAME

产品编码: **PXF-01**

PRODUCT NUMBER

客户编码:

CUSTOMER NUMBER

编 写: 曾庆雄

校 对: 曾庆雄

批 准: 张强

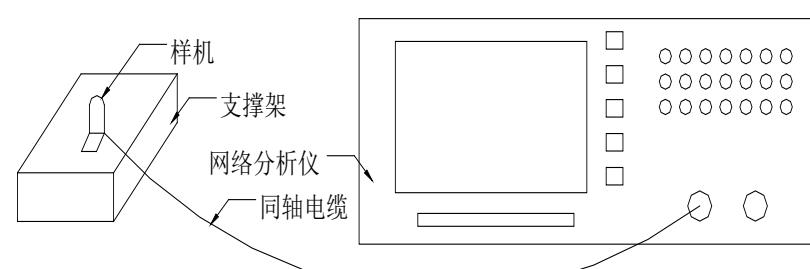
日 期: 2022.08.29

深圳恒信达通信科技有限公司

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TEL:0755-61123122 FAX:0755-61123480

天线规格书

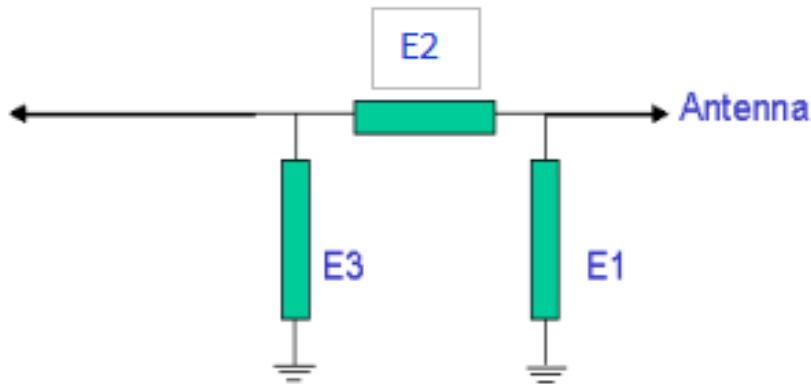
| | |
|--------------------------------|---|
| 品名 | PXF-01 |
| 机型 | 蓝牙耳机 |
| 1. bandwidth | 2.402GHz ~2.480GHz |
| 2. input impedance | 50Ω |
| 3. VSWR | When assembled with the specified prototype, it is loaded naturally for determination 2.402GHz ~2.480GHz 1.5以下 |
| 4.GAIN | 2.402GHz ~2.480GHz GAIN=3.19dBi (Typical) |
| 电气性能 | <p>Test method:</p> <p>(I) Assemble the antenna under test (DUT) on the specified prototype.</p> <p>(ii) Connect the test point on the test piece to the network analyzer with a 50Ω coaxial cable, and test cable</p> <p>A magnetic ring is installed to reduce the effect of induced current.</p> <p>(iii) Test VSWR in OPEN or CLOSE by placing the prototype on a 20cm height support.</p> <p>Install the test circuit as shown in the following fig</p>  |
| 4. Allowable power | 1W |
| 5. Operating temperature range | -25~+65°C |
| 6. Save the temperature range | -40~+85°C |

天线规格书

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|----|--------|
| 品名 | PXF-01 |
| 机型 | 蓝牙耳机 |

BLUE TOOTH ANTENNA

匹配电路



Match that E1 1.5NH /

E2 0欧 /

E3 NC /

antenna pattern

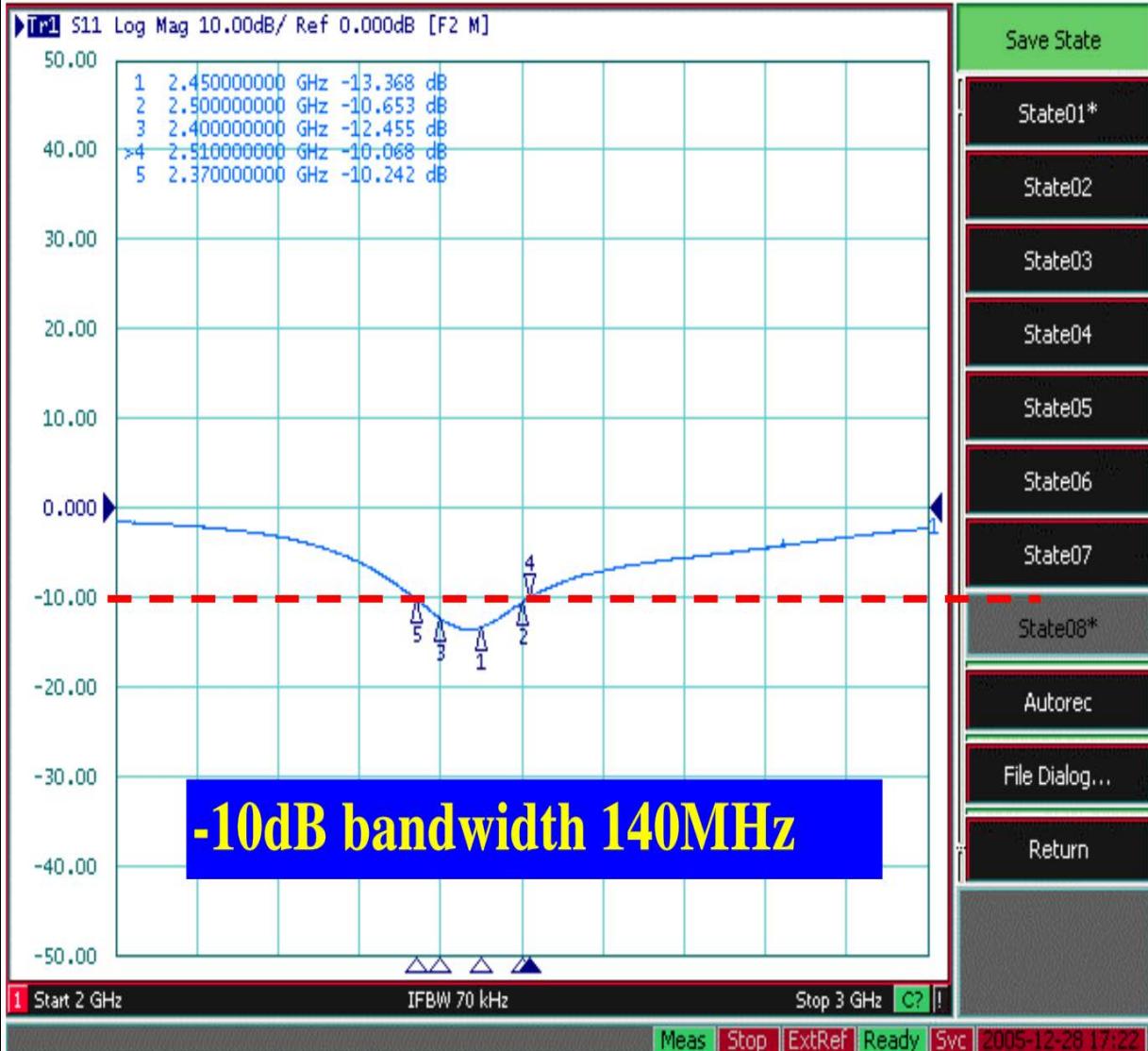
单极FPC天线

Unipolar FPC antenna

天 线 规 格 书

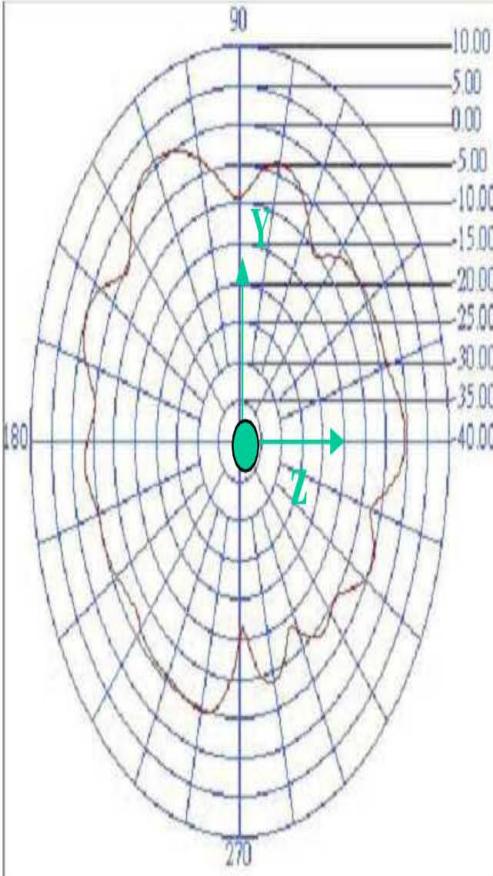
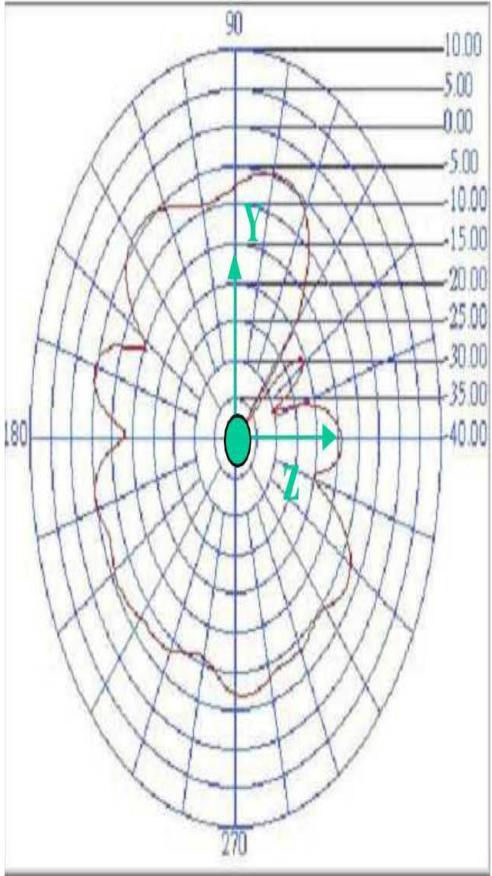
品 名 PXF-01

机 型 蓝牙耳机



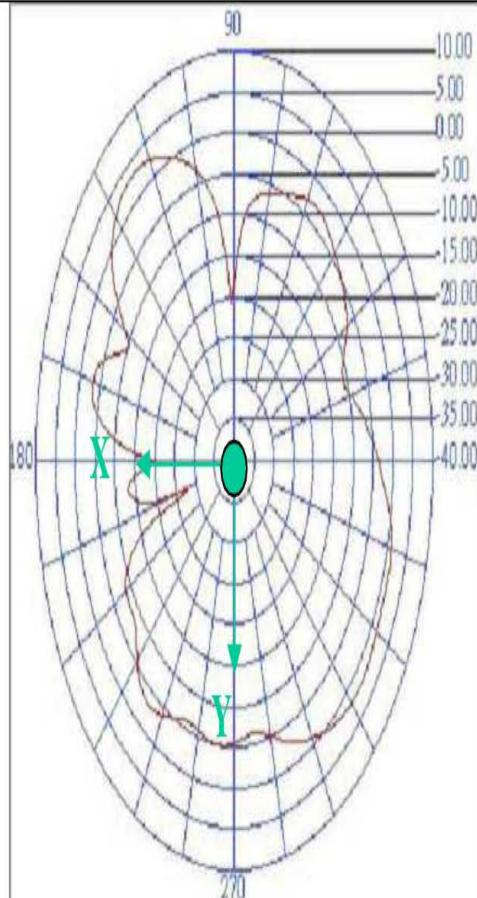
RETURN LOSS

天线规格书

| | | |
|--------------|---|---|
| 品 名 | PXF-01 | |
| 机 型 | 蓝牙耳机 | |
| | Horizontal | Vertical |
| Y-Z Plane |  <p>Average Gain = -3.185 dBi</p> |  <p>Peak Gain = -4.05 dBi Average Gain = -8.03 dBi</p> |

Y-Z PLANE

天线规格书

| | |
|--------------|---|
| 品 名 | PXF-01 |
| 机 型 | 蓝牙耳机 |
| X-Y Plane |  <p>Average Gain= -1.543 dBi</p> <p>Peak Gain= 3.19 dBi Average Gain= -2.65 dBi</p> |

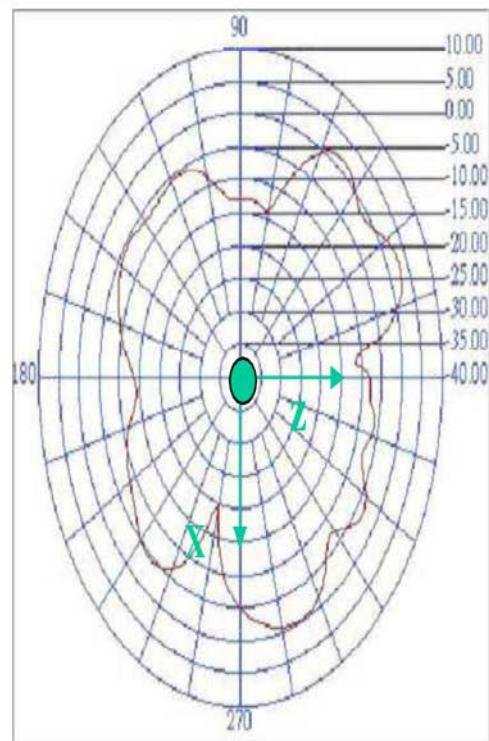
X-Y PLANE

天线规格书

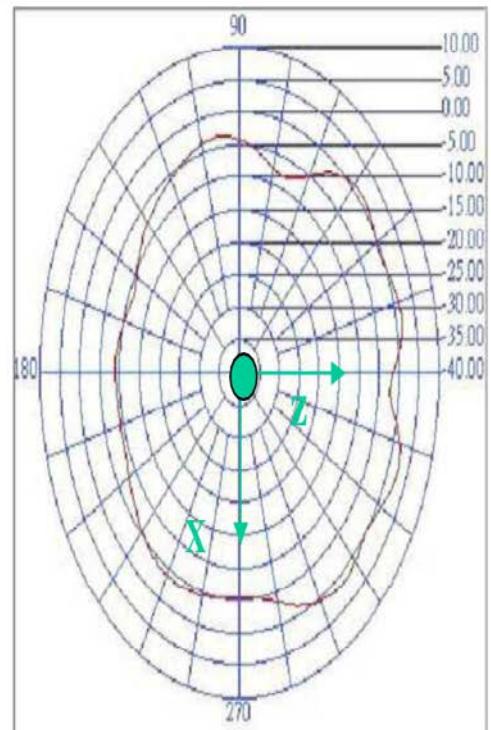
品 名 | PXF-01
机 型 | 蓝牙耳机

X - Z
Plane

Average
Gain= -0.99 dBi



Peak Gain= 3.05 dBi
Average Gain= -4.10 dBi



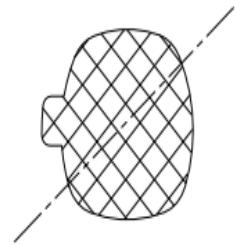
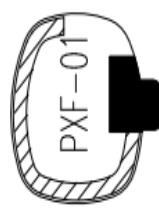
Peak Gain= 2.49 dBi
Average Gain= -2.47 dBi

X-Z PLANE

文件编号 (Doc. No.): SPEC-001 版次 (Rev.): 1.0

天线规格书

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|-----|--------|
| 品 名 | PXF-01 |
| 机 型 | 蓝牙耳机 |



型号: PXF-01, 表面过黑油, 丝印用白油

注:

- 打*为重点尺寸, 未标尺寸参考3D图纸; 其它尺寸以实配为准;
- 基材 $13\mu\text{m}$, 铜泊 $18\mu\text{m}$, 走线面除焊盘外其它区域需铺哑光黑油
- * 区域为走线区域,  焊盘区域(镀金),  区域  为附胶区域(3M 300/9471 LSE), 背胶需均匀。
- FPC 镀金厚度为 0.025 微米 (1U") 以上 镀厚3-4.5微米 (120-180U")。

| 深圳恒信达通讯 | | | |
|----------|-------|------|--------|
| 第三角法 | | 机 型 | PXF-01 |
| 未注公差参见标准 | ○ | 0.02 | 品 名 |
| 10以下 | ±0.05 | ○ | 0.03 |
| 10~20 | ±0.08 | 上 | 0.02 |
| 20~40 | ±0.10 | 下 | 0.04 |