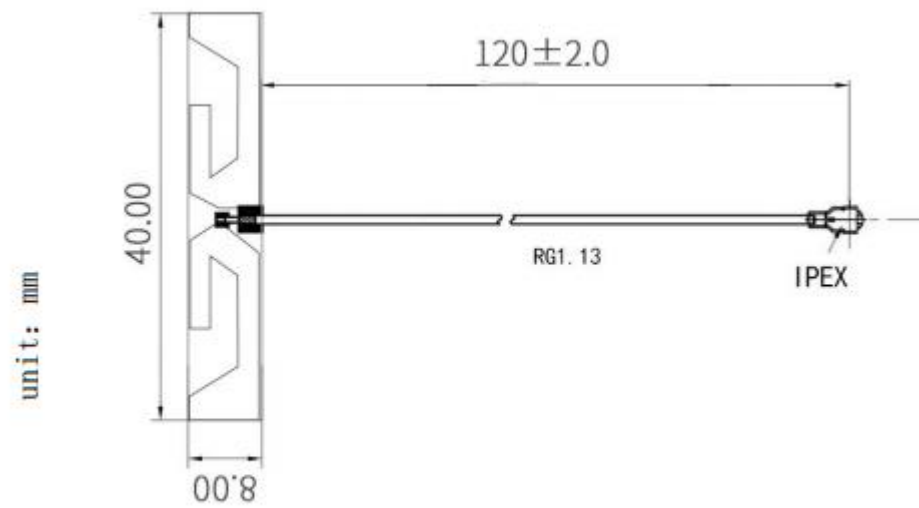


## Antenna Specification

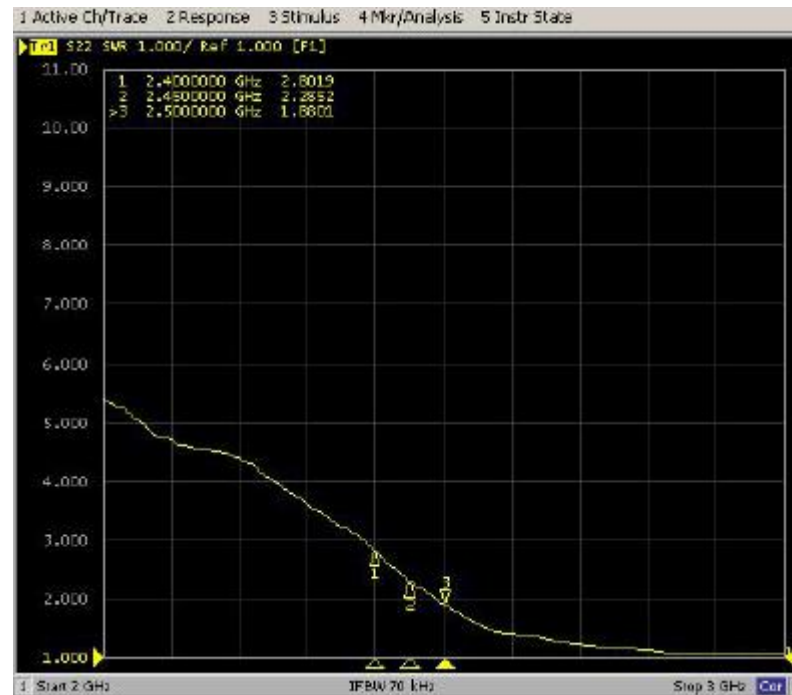
Manufacturer: Shenzhen jiexinhua Technology Co.,LTD  
Address: Room 1006, Building 3, Jincheng Industrial Park, Tongsheng Community,  
Dalang Street, Longhua District, Shenzhen, China

| 电性能指标Electrical Specifications   |                     |
|----------------------------------|---------------------|
| 频率范围Frequency Range (MHz)        | 2400-2500           |
| 输入阻抗Input Impendence (Ω)         | 50                  |
| 电压驻波比V.S.W.R                     | ≤3.0（未匹配设备，仅供参考）    |
| 增益Gain (dBi)                     | 3.0±0.5（未匹配设备，仅供参考） |
| 极化形式Polarization Type            | 垂直Vertical          |
| 最大功率Maximum power(W)             | 10W                 |
| 垂直面波瓣角度Vertical lobe Angle（E）    | 45~60°              |
| 水平面波瓣角度Water plane lobe Angle（H） | 360°                |
| 机械指标Mechanical Specifications    |                     |
| 天线材质Material                     | FPC                 |
| 连接器型号Connect Type                | IPEX(1代)            |
| 天线尺寸Size                         | 8*40MM              |
| 工作温度Operating Temp               | -20 ~ +65 °C        |
| 储存温度Storage Temp                 | -30 ~ +75°C         |

Antenna photo:



VSWR:



Test data:

|                                                                                                                                                                                                                                                                                           |        |        |        |        |        |        |        |        |        |        |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <div><div><div><div><div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div><div><span></span></div></div></div><div><div><div><span></span></div></div></div></div></div></div> <div>科信无线</div> |        |        |        |        |        |        |        |        |        |        |        |
| Frequency ID                                                                                                                                                                                                                                                                              | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      | 10     | 11     |
| Frequency (MHz)                                                                                                                                                                                                                                                                           | 2400.0 | 2410.0 | 2420.0 | 2430.0 | 2440.0 | 2450.0 | 2460.0 | 2470.0 | 2480.0 | 2490.0 | 2500.0 |
| Efficiency (dBi)                                                                                                                                                                                                                                                                          | -2.87  | -2.85  | -2.99  | -3.11  | -3.19  | -3.28  | -3.33  | -3.20  | -2.91  | -2.62  | -2.21  |
| Gain (dBi)                                                                                                                                                                                                                                                                                | 1.53   | 1.51   | 1.42   | 1.43   | 1.54   | 1.52   | 1.41   | 1.38   | 1.53   | 1.67   | 1.86   |
| Efficiency (%)                                                                                                                                                                                                                                                                            | 51.68  | 51.91  | 50.26  | 48.85  | 47.97  | 46.96  | 46.42  | 47.90  | 51.12  | 54.65  | 60.06  |
| Directivity (dB)                                                                                                                                                                                                                                                                          | 4.39   | 4.36   | 4.41   | 4.54   | 4.73   | 4.80   | 4.74   | 4.58   | 4.45   | 4.29   | 4.08   |
| Peak Gain Position (Theta)                                                                                                                                                                                                                                                                | 153.00 | 152.00 | 152.00 | 152.00 | 152.00 | 152.00 | 151.00 | 150.00 | 149.00 | 149.00 | 148.00 |
| Peak Gain Position (Phi)                                                                                                                                                                                                                                                                  | 252.00 | 253.00 | 253.00 | 252.00 | 251.00 | 251.00 | 251.00 | 250.00 | 249.00 | 249.00 | 248.00 |
| Efficiency ThetaPol (%)                                                                                                                                                                                                                                                                   | 19.76  | 19.48  | 18.54  | 17.75  | 17.16  | 16.45  | 15.88  | 16.10  | 17.12  | 18.38  | 20.31  |
| Efficiency PhiPol (%)                                                                                                                                                                                                                                                                     | 31.92  | 32.43  | 31.71  | 31.09  | 30.82  | 30.51  | 30.54  | 31.80  | 34.00  | 36.27  | 39.75  |
| Upper Hem. Efficiency (%)                                                                                                                                                                                                                                                                 | 25.95  | 26.01  | 25.11  | 24.35  | 23.71  | 22.82  | 22.14  | 22.58  | 24.02  | 25.92  | 28.88  |
| Lower Hem. Efficiency (%)                                                                                                                                                                                                                                                                 | 25.73  | 25.90  | 25.14  | 24.49  | 24.26  | 24.14  | 24.28  | 25.31  | 27.09  | 28.73  | 31.18  |
| T90(H) 圆度                                                                                                                                                                                                                                                                                 | 12.83  | 12.16  | 11.63  | 11.37  | 11.26  | 11.07  | 11.04  | 11.28  | 11.86  | 12.45  | 13.03  |
| Gain 15deg (dBi)                                                                                                                                                                                                                                                                          |        |        |        |        |        |        |        |        |        |        |        |
| E1(XZ) 波瓣宽度                                                                                                                                                                                                                                                                               | 51.00  | 50.00  | 49.00  | 48.00  | 27.00  | 27.00  | 28.00  | 29.00  | 30.00  | 29.00  | 27.00  |
| E1(XZ) 前后比                                                                                                                                                                                                                                                                                | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| E2(YZ) 波瓣宽度                                                                                                                                                                                                                                                                               | 64.00  | 66.00  | 67.00  | 67.00  | 68.00  | 26.00  | 65.00  | 61.00  | 61.00  | 57.00  | 59.00  |
| E2(YZ) 前后比                                                                                                                                                                                                                                                                                | 0.09   | 0.17   | 0.18   | 0.12   | 0.00   | 0.00   | 0.04   | 0.24   | 0.28   | 0.44   | 0.54   |
| 最大增益轴比(P)                                                                                                                                                                                                                                                                                 | 1.50   | 1.50   | 1.50   | 1.50   | 1.50   | 1.50   | 1.50   | 1.50   | 1.50   | 1.50   | 1.50   |
| 仰角10度增益(大)轴比(P)                                                                                                                                                                                                                                                                           | 1.50   | 1.50   | 1.50   | 1.50   | 1.50   | 1.50   | 1.50   | 1.50   | 1.50   | 1.50   | 1.50   |
| Hc(XY) 波瓣宽度                                                                                                                                                                                                                                                                               | 79.00  | 77.00  | 75.00  | 74.00  | 72.00  | 70.00  | 67.00  | 67.00  | 66.00  | 67.00  | 69.00  |
| Hc(XY) 前后比                                                                                                                                                                                                                                                                                | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
|                                                                                                                                                                                                                                                                                           |        |        |        |        |        |        |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                           |        |        |        |        |        |        |        |        |        |        |        |
|                                                                                                                                                                                                                                                                                           |        |        |        |        |        |        |        |        |        |        |        |
| Empty                                                                                                                                                                                                                                                                                     |        |        |        |        |        |        |        |        |        |        |        |

