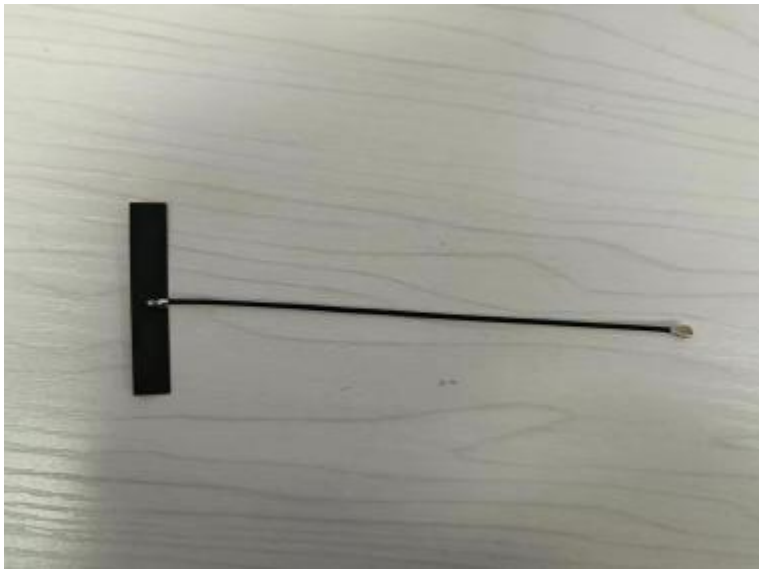
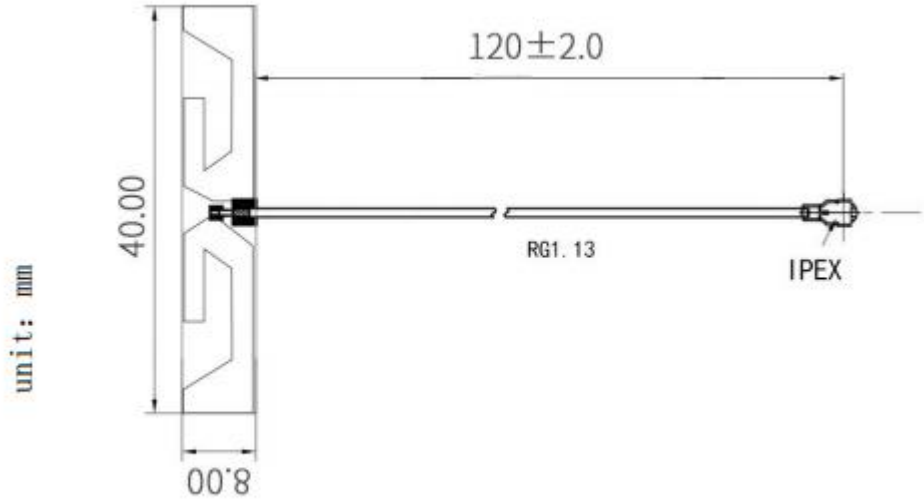
Antenna Specification

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

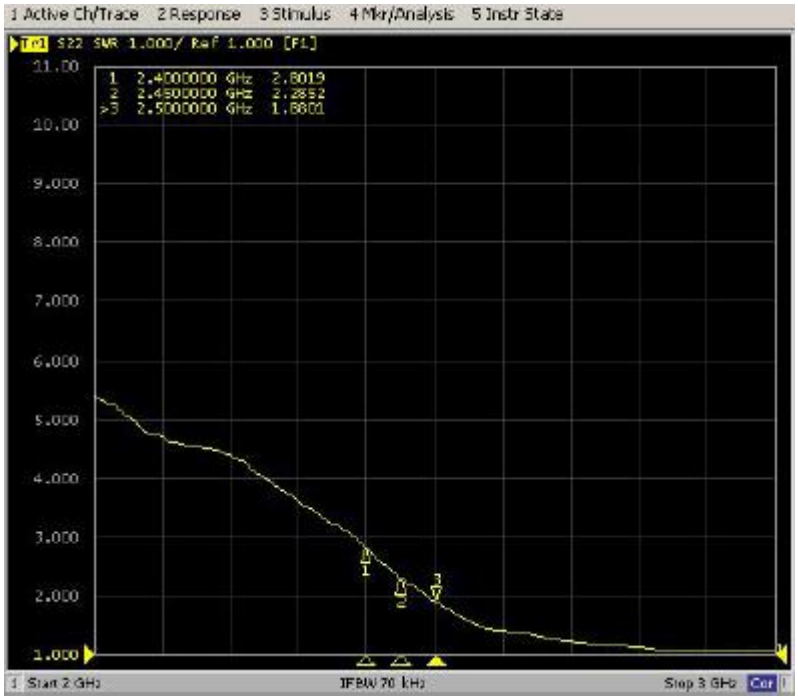
电性能指标Electrical Specifications	
频率范围Frequency Range (MHz)	2400-2500
输入阻抗Input Impendence (Ω)	50
电压驻波比V.S.W.R	≤3.0（未匹配设备，仅供参考）
增益Gain (dBi)	3.0±0.5（未匹配设备，仅供参考）
极化形式Polarization Type	垂直Vertical
最大功率Maximum power(W)	10W
垂直面波瓣角度Vertical lobe Angle（E）	45~60°
水平面波瓣角度Water plane lobe Angle（H）	360°
机械指标Mechanical 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 ℃
储存温度Storage Temp	-30 ~ +75℃

Antenna photo:





VSWR：

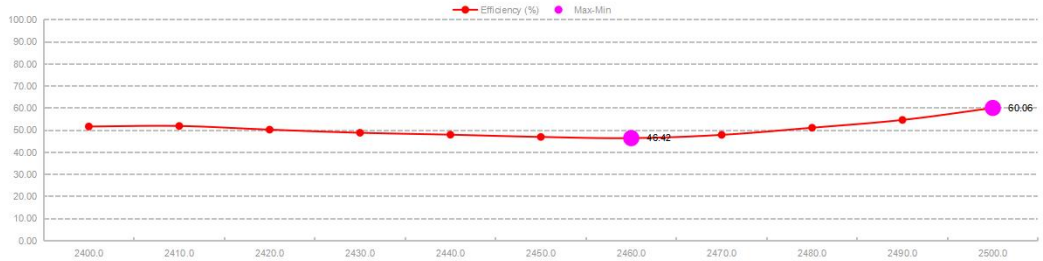


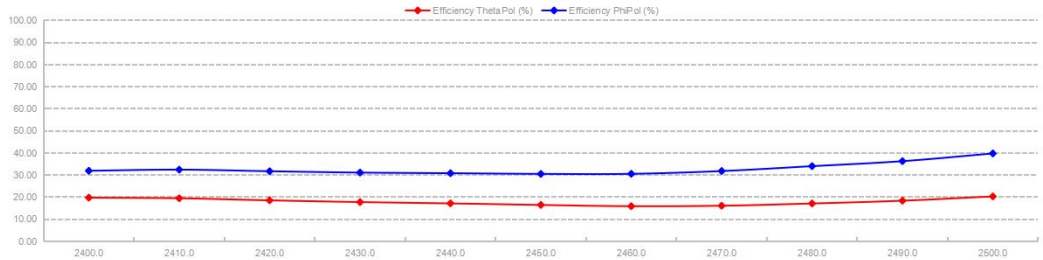
Test data:

科信无线

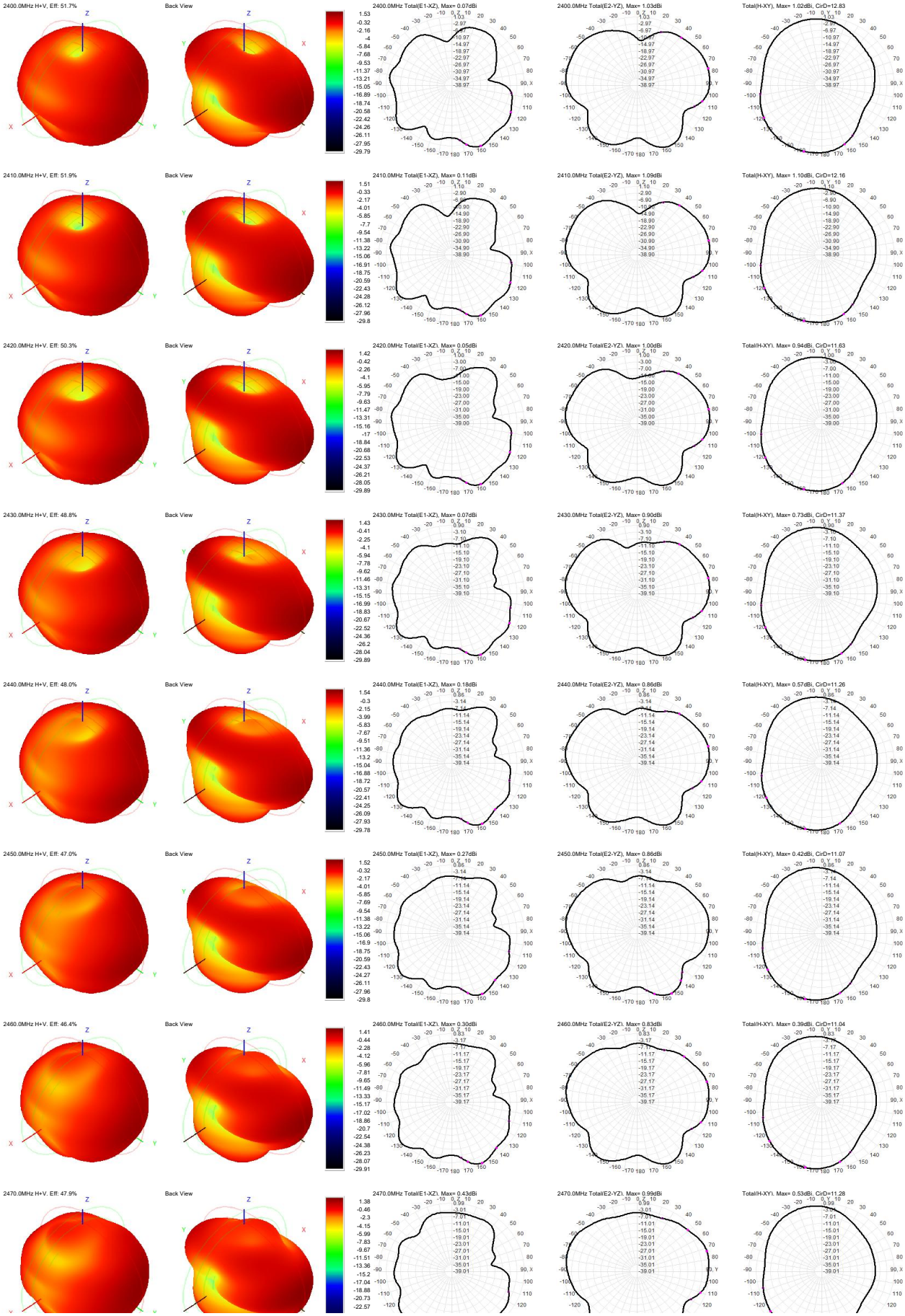
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	**2400.0**	**2410.0**	**2420.0**	**2430.0**	**2440.0**	**2450.0**	**2460.0**	**2470.0**	**2480.0**	**2490.0**	**2500.0**
Efficiency (dBi)	**-2.87**	**-2.85**	**-2.99**	**-3.11**	**-3.19**	**-3.28**	**-3.33**	**-3.20**	**-2.91**	**-2.62**	**-2.21**
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

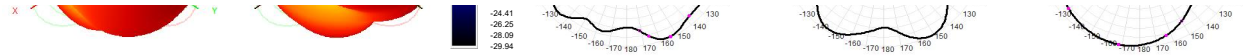
T90(H)圆度	12.83	12.16	11.63	11.37	11.26	11.07	11.04	11.28	11.86	12.45	13.03
Gain 15deg (dBi)											
E1(XZ)波瓣宽度	51.00	50.00	49.00	48.00	27.00	27.00	28.00	29.00	30.00	29.00	27.00
E1(XZ)前后比	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E2(YZ)波瓣宽度	64.00	66.00	67.00	67.00	68.00	26.00	65.00	61.00	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
最大增益处轴比(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度最差(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											

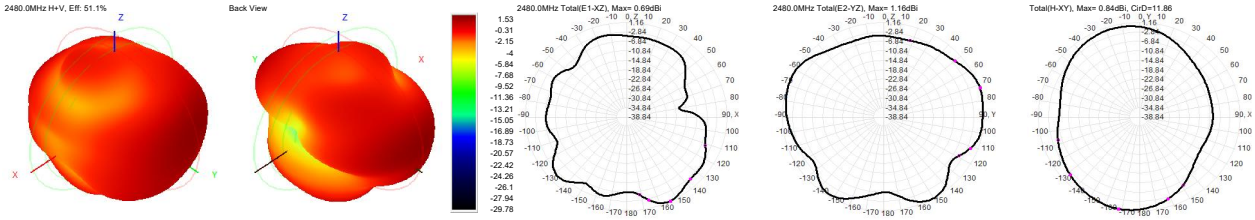


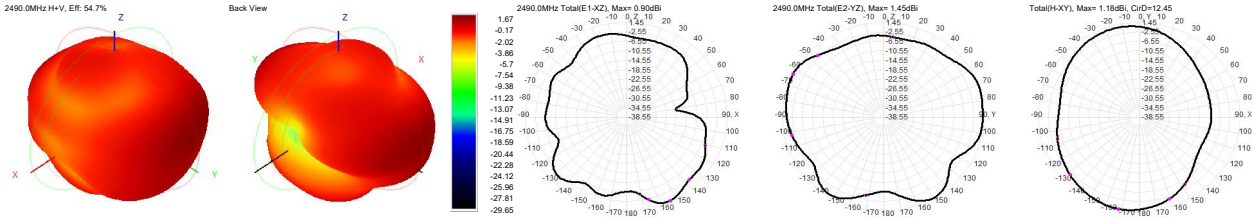


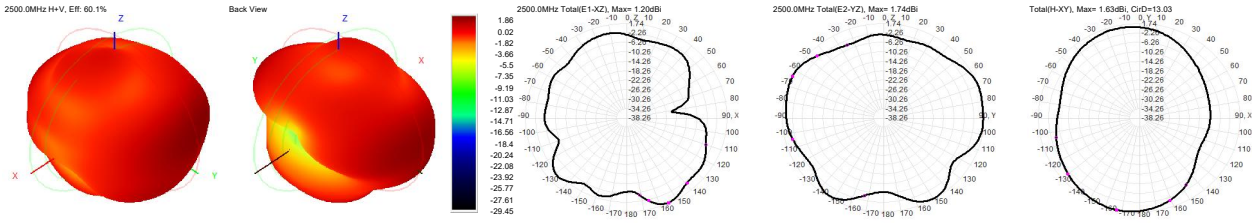
20.00
10.00
0.00
2400.0
2410.0
2420.0
2430.0
2440.0
2450.0
2460.0
2470.0
2480.0
2490.0
2500.0


2400.0MHz H+V, Eff: 51.7%
Back View
2400.0MHz Total(E1-XZ), Max= 0.07dBi
2400.0MHz Total(E2-YZ), Max= 1.03dBi
Total(H-XY), Max= 1.02dBi, CirD=12.83
2410.0MHz H+V, Eff: 51.9%
Back View
2410.0MHz Total(E1-XZ), Max= 0.11dBi
2410.0MHz Total(E2-YZ), Max= 1.09dBi
Total(H-XY), Max= 1.10dBi, CirD=12.16
2420.0MHz H+V, Eff: 50.3%
Back View
2420.0MHz Total(E1-XZ), Max= 0.05dBi
2420.0MHz Total(E2-YZ), Max= 1.00dBi
Total(H-XY), Max= 0.94dBi, CirD=11.63
2430.0MHz H+V, Eff: 48.8%
Back View
2430.0MHz Total(E1-XZ), Max= 0.07dBi
2430.0MHz Total(E2-YZ), Max= 0.90dBi
Total(H-XY), Max= 0.73dBi, CirD=11.37
2440.0MHz H+V, Eff: 48.0%
Back View
2440.0MHz Total(E1-XZ), Max= 0.18dBi
2440.0MHz Total(E2-YZ), Max= 0.86dBi
Total(H-XY), Max= 0.57dBi, CirD=11.26
2450.0MHz H+V, Eff: 47.0%
Back View
2450.0MHz Total(E1-XZ), Max= 0.27dBi
2450.0MHz Total(E2-YZ), Max= 0.86dBi
Total(H-XY), Max= 0.42dBi, CirD=11.07
2460.0MHz H+V, Eff: 46.4%
Back View
2460.0MHz Total(E1-XZ), Max= 0.30dBi
2460.0MHz Total(E2-YZ), Max= 0.83dBi
Total(H-XY), Max= 0.39dBi, CirD=11.04
2470.0MHz H+V, Eff: 47.9%
Back View
2470.0MHz Total(E1-XZ), Max= 0.43dBi
2470.0MHz Total(E2-YZ), Max= 0.99dBi
Total(H-XY), Max= 0.53dBi, CirD=11.28




2480.0MHz H+V, Eff: 51.1%
Back View
2480.0MHz Total(E1-XZ), Max= 0.69dBi
2480.0MHz Total(E2-YZ), Max= 1.16dBi
Total(H-XY), Max= 0.84dBi, CirD=11.86


2490.0MHz H+V, Eff: 54.7%
Back View
2490.0MHz Total(E1-XZ), Max= 0.90dBi
2490.0MHz Total(E2-YZ), Max= 1.45dBi
Total(H-XY), Max= 1.18dBi, CirD=12.45


2500.0MHz H+V, Eff: 60.1%
Back View
2500.0MHz Total(E1-XZ), Max= 1.20dBi
2500.0MHz Total(E2-YZ), Max= 1.74dBi
Total(H-XY), Max= 1.63dBi, CirD=13.03