

深圳市亿圣邦科技有限公司

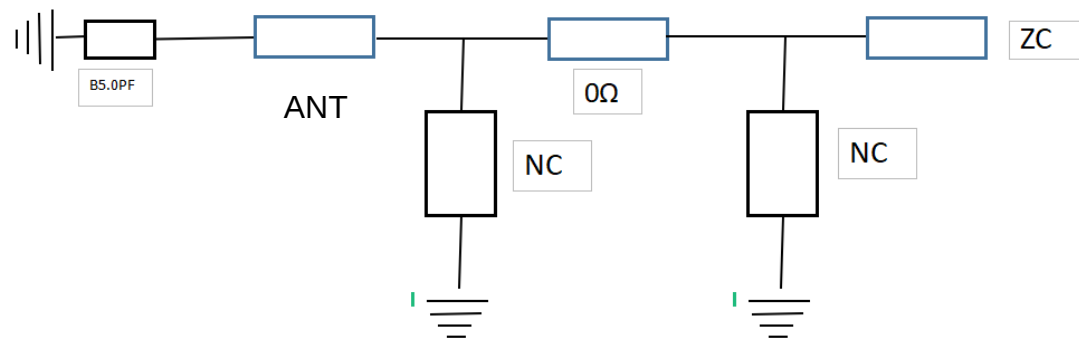
Shenzhen Yishengbang Technology Co., Ltd Antenna Test Report

Customer: Shenzhen E-Ran Technology Co., Ltd.

Product: BT Antenna

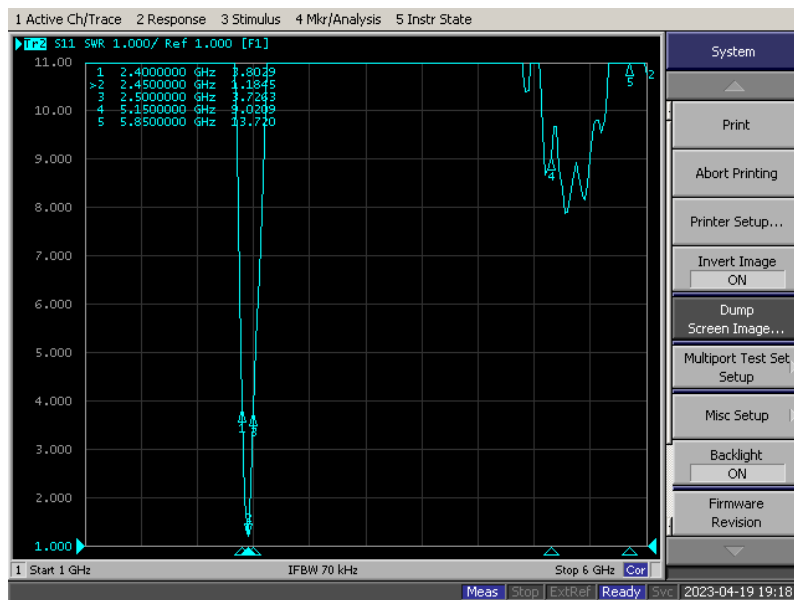
Report date: 2023.5.22

1. Product Overview & Dimension



2. Test Result

2.1BT Antenna VSWR/S11



2. Test Result

2.2 BT Antenna Gain/Efficiency DATA

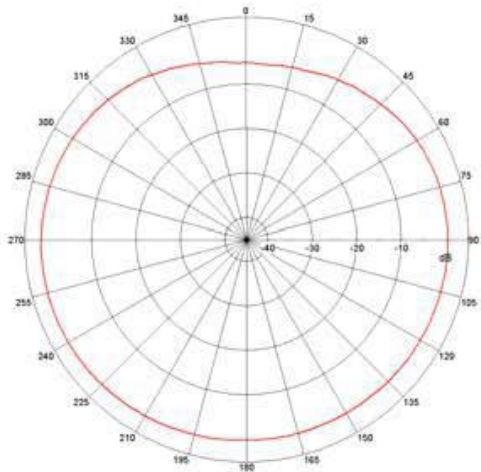
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2400	27.26	-5.65	0.19	-1.96
2410	36.74	-4.35	1.2	-0.95
2420	36.25	-4.41	1.14	-1.01
2430	39.71	-4.01	1.36	-0.79
2440	40.44	-3.93	1.43	-0.72
2450	41.07	-3.86	1.54	-0.61
2460	40.35	-3.94	1.36	-0.79
2470	34.54	-4.62	0.95	-1.2
2480	37.21	-4.29	1.25	-0.9
2490	31.05	-5.08	0.63	-1.52
2500	34.1	-4.67	0.87	-1.28

2. Test Result

2.3 BT Antenna radiation pattern

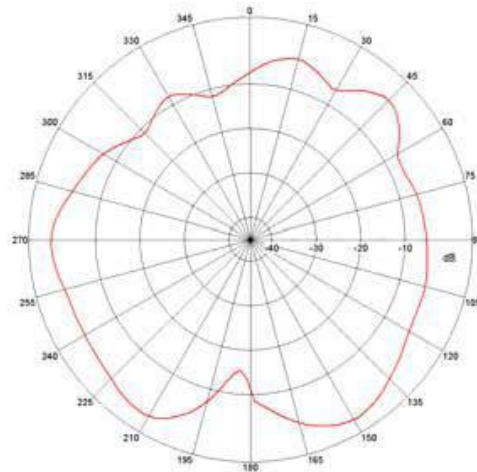
Far-field Power Distribution(H+V) on X-Y Plane

Plot Peak Gain(H+V)= 1.35 dBi; Plot AvgGain(H+V)= -0.48dBi @2.44000 GHz



Far-field Power Distribution(H+V) on X-Z Plane

Plot Peak Gain(H+V)= 1.68 dBi; Plot AvgGain(H+V)= -3.83dBi @2.44000 GHz



Far-field Power Distribution(H+V) on Y-Z Plane

Plot Peak Gain(H+V)= 1.11 dBi; Plot AvgGain(H+V)= -2.99dBi @2.44000 GHz

