

Material Specifications

Supplier: Shenzhen Fubang Wireless Technology Co., Ltd.

Product name: Bluetooth antenna

Model code: 05.03.100.002

Color: Black

Shenzhen Fubang Wireless Technology Co., Ltd.

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1、Description

This antenna is designed for Bluetooth application, Frequency Band: 2.40GHz~2.50GHz

2、Electrical Performance

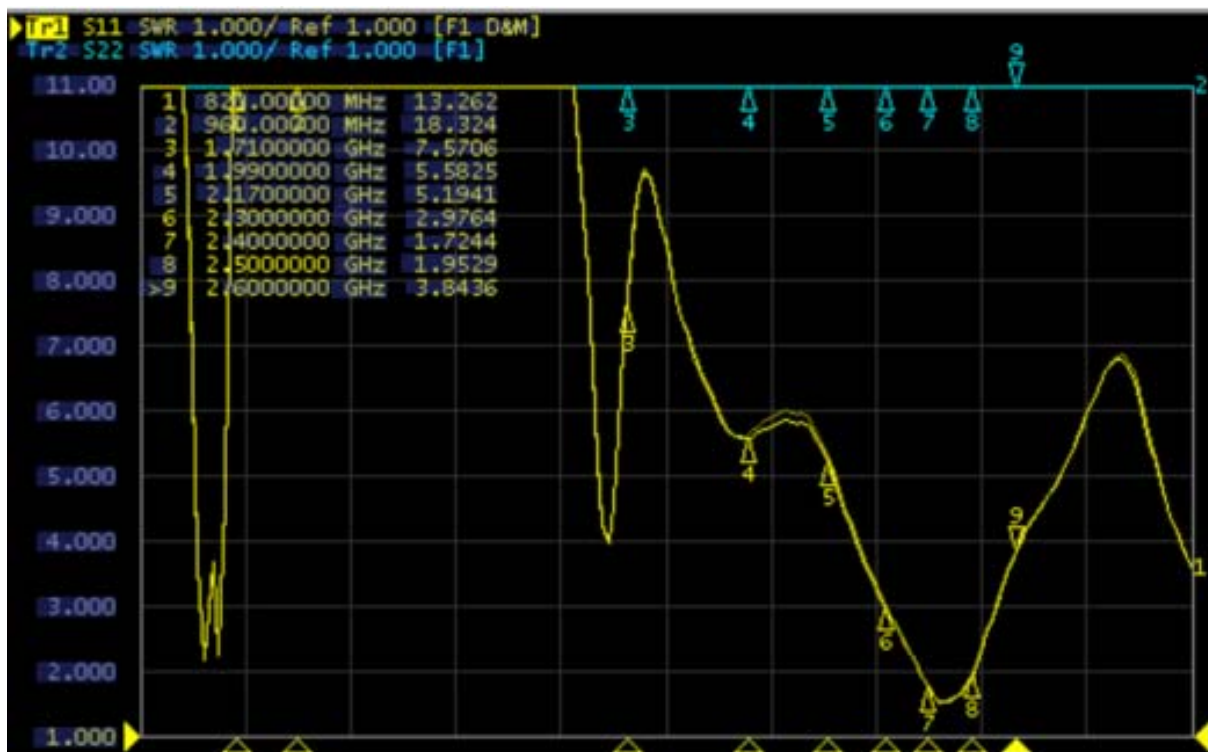
BT antenna index				
	Frequency (MHz)	VSWR	Frequency (MHz)	VSWR
Frequency Band	TX		RX	
BT	2400	≤ 2.0	2500	≤ 2.0

3、 VSWR Testing

3.1 Testing connection

Agilent5071C Network Analyzer → Testing Cable → Device under test.

3.2 Testing result



Antenna VSWR

3-4 Efficiency test

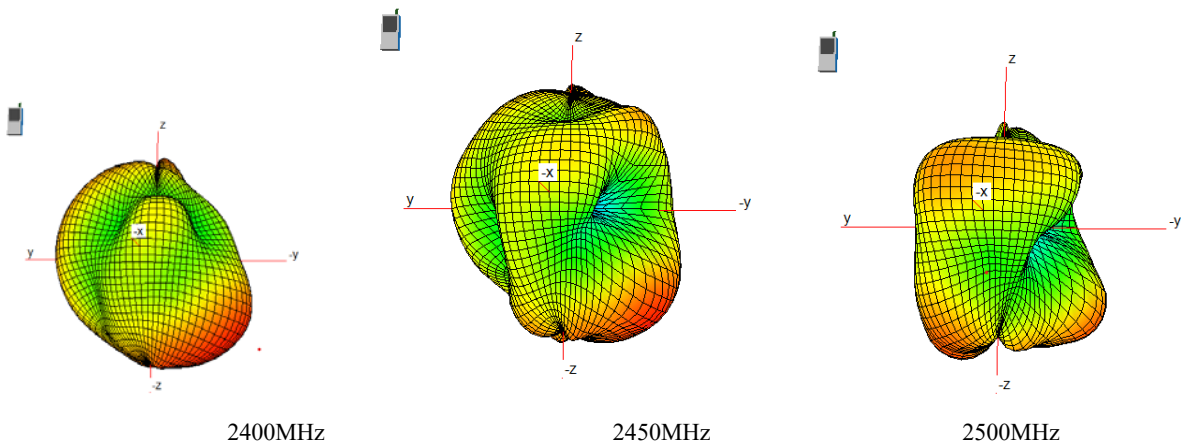
Freq (MHz)	Efficiency_dB	Efficiency_%	Gain(dBi)
2400	-4.69	33.95	0.31
2410	-4.88	32.52	0.08
2420	-5.04	31.33	0.07
2430	-5.1	30.87	0.01
2440	-5.16	30.51	0.02
2450	-5.24	29.95	-0.17
2460	-5.32	29.35	-0.36
2470	-5.4	28.85	-0.48
2480	-5.46	28.43	-0.53

4、Radiation Pattern

4.1 Testing field

FB Microwave Anechoic Chamber : testing frequency ranges from 400MHz to 6GHz and the 40cm diameter spherical quiet zone, the chamber provides less than -90dB reflectivity from 400MHz—6GHz.

4.2 Test results

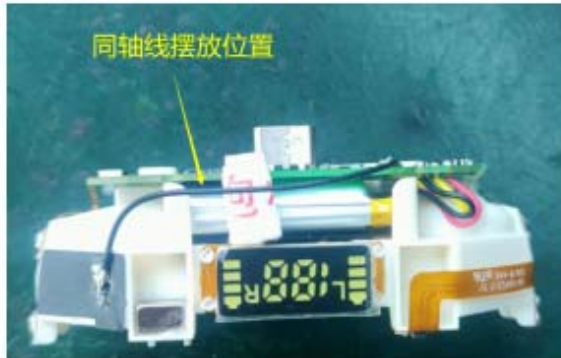


5、Assemble instructions

1



2



3



6、 Product drawings(unit: mm)

