

SPECIFICATION FOR APPROVAL

Manufacture Company:

KINTER NEW INDUSTRIAL TECHNOLOGY CO., LTD

Address:

Room 508, Xinzhongsheng Building, Baotian 2nd Road,
Xixiang Street, Baoan District, Shenzhen, China

Model: S1

Name: BT antenna

1. Electrical Specification :

Those specifications were specially defined for S1 BT model, and all

characteristics were measured under the model' s handset testing jig .

1-1.Frequency Band:

Frequency Band	MHz
BT	2400-2500

1-2. Impedance

50 ohm nominal

2. VSWR

2-1 Measuring Method

1. A 50 Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR,
2. Keeping this jig away from metal at least 20cm.

2-2 Measurement frequency points and VSWR value

Frequency (MHz)	2400	2450	2500
VSWR	1.66	1.39	1.48



3-1 Measuring Method

1. Using a low loss coaxial cable to link a standard handset jig,
2. Fixed this handset jig on chamber's rotator plane,
3. Linking jig into network analyzer port and using a probing horn antenna to collect data,
4. Using another standard gain horn antenna to calibrated those data.

3-2 Efficiency and Gain Value

Frequency (MHz)	Efficiency (%)	Average GAIN (dB)	Peak GAIN (dBi)
2400	49%	-3.1	1.29
2450	42.2%	-3.72	0.64
2500	32.8%	-4.8	0.33

3-3 3D Pattern

