

On-board antenna specification and test data

Model: BTL-Black-Tag

As below,Module antenna of SC-B03 are 2.4G single
 dipoles model which in snake shape,maximum gain is 2.59dbi

1. 2.4G External antenna picturena

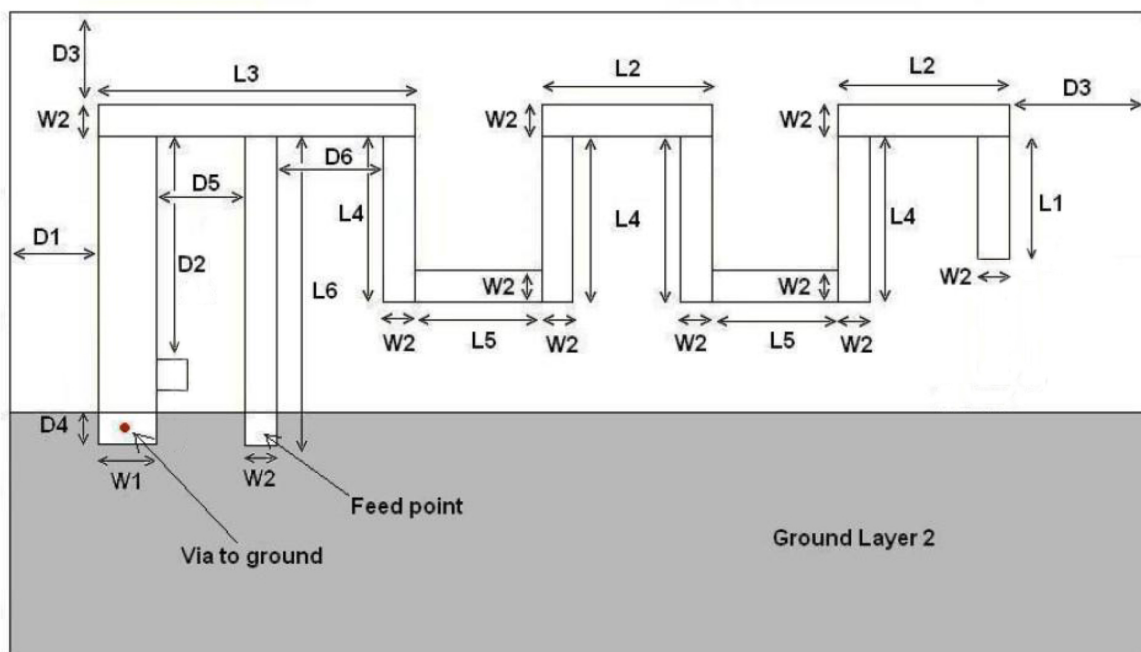


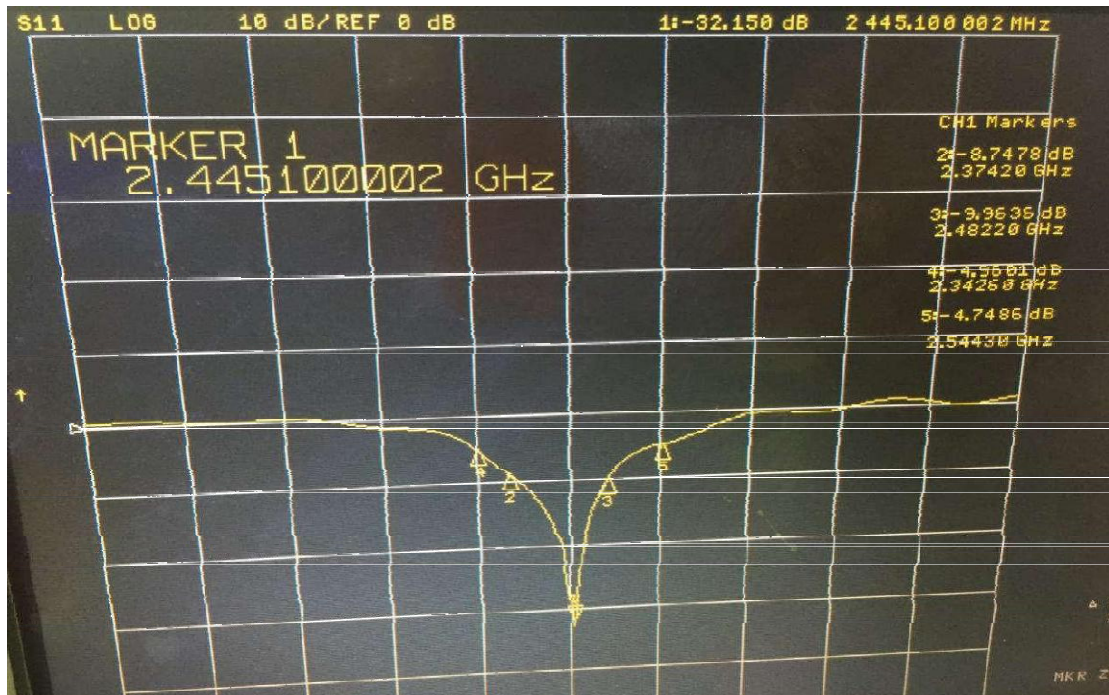
Figure 3: Antenna Dimensions

L1	2.44 mm
L2	2.70 mm
L3	5.00 mm
L4	2.64 mm
L5	2.00 mm
L6	4.90 mm
W1	0.90 mm
W2	0.50 mm
D1	0.50 mm
D2	4.30 mm
D3	0.30 mm
D4	0.50 mm
D5	1.40mm
D6	1.70 mm

Table 1: Antenna Dimensions

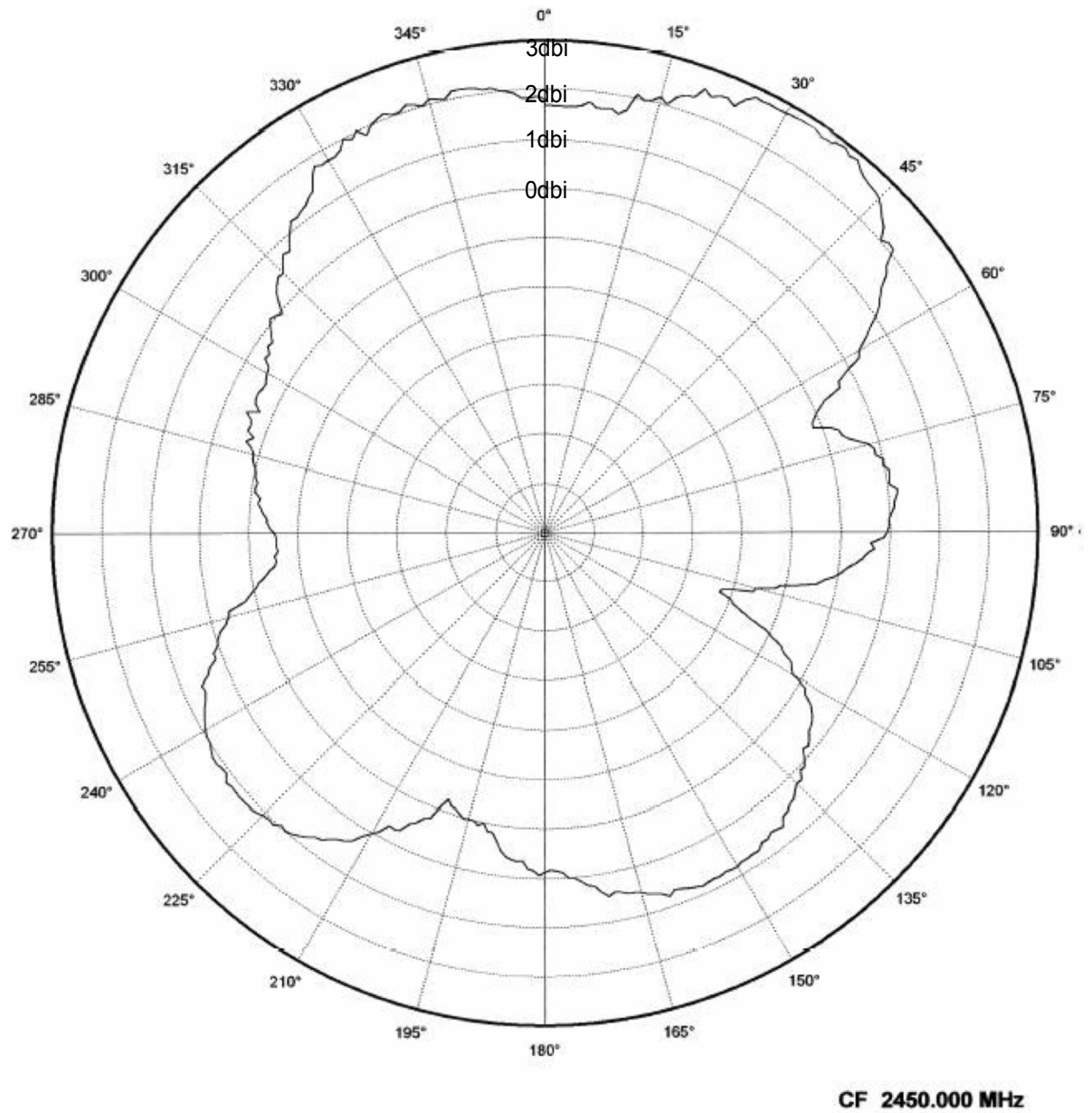
SHENZHEN BESTWAY ELECTRONICS CO.,LTD
Block7,Zone2,XinXing Industrial Park, XinHe Village,FuHai Avenue,FuYong Town,
BaoAn District, ShenZhen ,China.

2. Antenna reflection coefficient



MARKER 1 Freq=2.4451GHZ
 $\text{dB}(\text{ant\_SC-B03\_mom\_a..S}(1.1))=32.150 \text{ Min}$

3. Antenna radiation



2D

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4. Antenna efficiency

ELECTRICAL CHARACTERISTICS	Specification
Working Frequency Range	2400-2480MHZ
Gain	2.59 dBi (Typical)
VSWR	2 max.
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Impedance	50 Ω
Rated Power(max.)	3 Watts
Maximum Input Power	5 Watts for 5 minutes
Operation Temperature	40℃ 、 +85℃