Antenna Test Report

Test Standard:	IEEE 149-1979
Manufacturer:	SHENZHEN E-BESTA ENTERPRISES CO., LTD
Product Name:	2.4GHz Antenna
Model:	ISB13
Report No.:	SSP22110054A
Tested Date:	2022-11-03
Issued Date:	2022-11-05
Tested By:	William Liu (Engineer)
Approved By:	Lahm Peng (Manager)

William Liu
Lahm Peng

Prepared By:

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1. General Information

1.1 Product Information

Manufacturer	
Manufacturer:	SHENZHEN E-BESTA ENTERPRISES CO., LTD
Address of Manufacturer:	11Floor, Building No. 87, the 1st Industrial Zone, Lisonglang Gongming
	Street, Guangming New District, Shenzhen, China

General Description of Antenna	
Product Name:	2.4GHz Antenna
Model No.:	ISB13
Frequency Range:	2400MHz-2483.5MHz
Type of Antenna:	PCBAntenna
Antenna Gain:	0dBi (Max.)
Impedance:	50 ohm
Antenna View (15mm*1.6mm) 	

1.2 Test Methodology

All measurements contained in this report were conducted with standards IEEE 149-1979 for IEEE Standard Test Procedures for Antennas.

1.3 Test Facilities

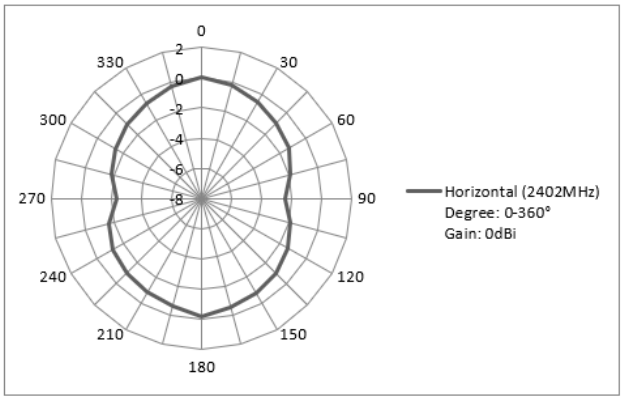
Testing Lab: Shenzhen ZRLK Testing Technology Co., Ltd.
All measurement facilities used to collect the measurement data are located at 1F, No. 35 Building, Changxing Technology Industrial Park, Yutang Street, Guangming New District, Shenzhen City, Guangdong Province, China

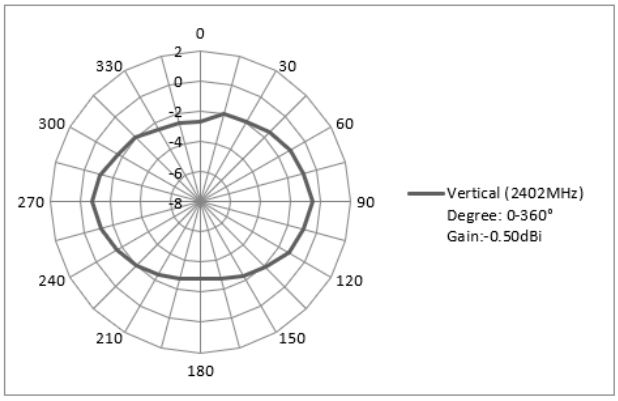
2. OTA Test

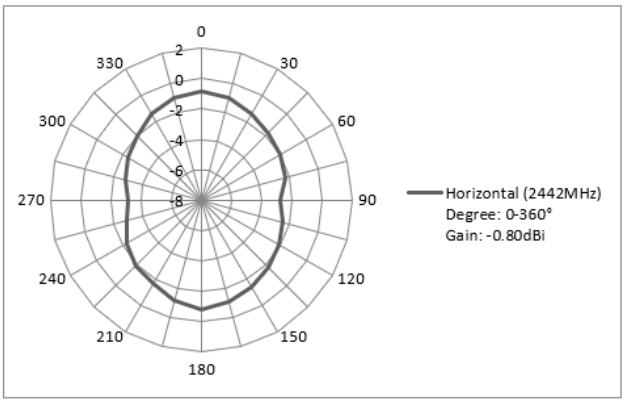
2.1 Gain

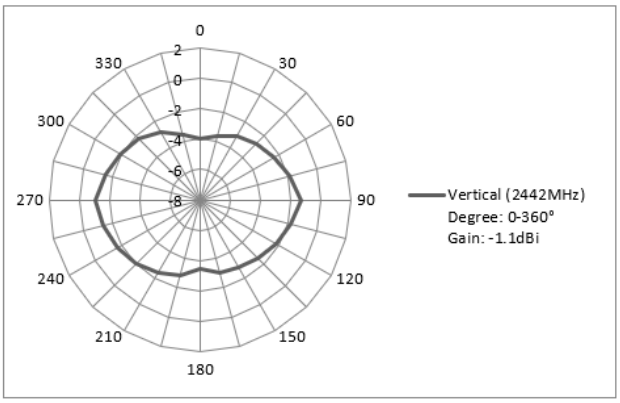
Frequency	Peak Gain (dBi)	Polarity
2402MHz	0	Horizontal
2402MHz	-0.5	Vertical
2442MHz	-0.8	Horizontal
2442MHz	-1.1	Vertical
2480MHz	-1.5	Horizontal
2480MHz	-1.8	Vertical

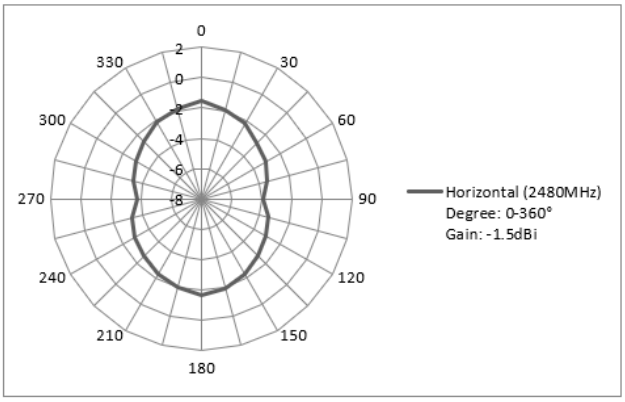
2.2 Radiation Pattern View






0
30
60
90
120
150
180
210
240
270
300
330
2
0
-2
-4
-6
-8
Horizontal (2442MHz)
Degree: 0-360°
Gain: -0.80dBi


0
30
60
90
120
150
180
210
240
270
300
330
2
0
-2
-4
-6
-8
Vertical (2442MHz)
Degree: 0-360°
Gain: -1.1dBi


0
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2
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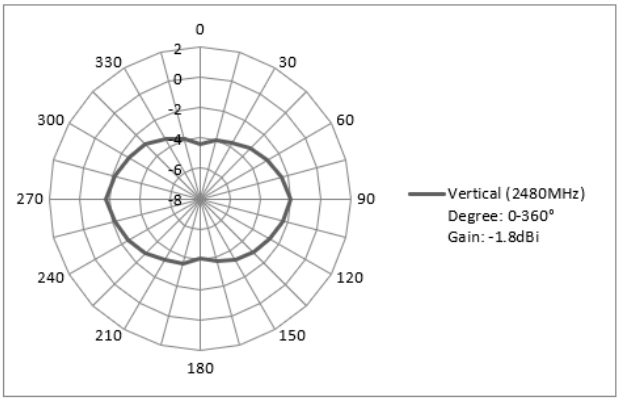
-2
-4
-6
-8
Horizontal (2480MHz)
Degree: 0-360°
Gain: -1.5dBi


0
30
60
90
120
150
180
210
240
270
300
330
2
0
-2
-4
-6
-8
Vertical (2480MHz)
Degree: 0-360°
Gain: -1.8dBi