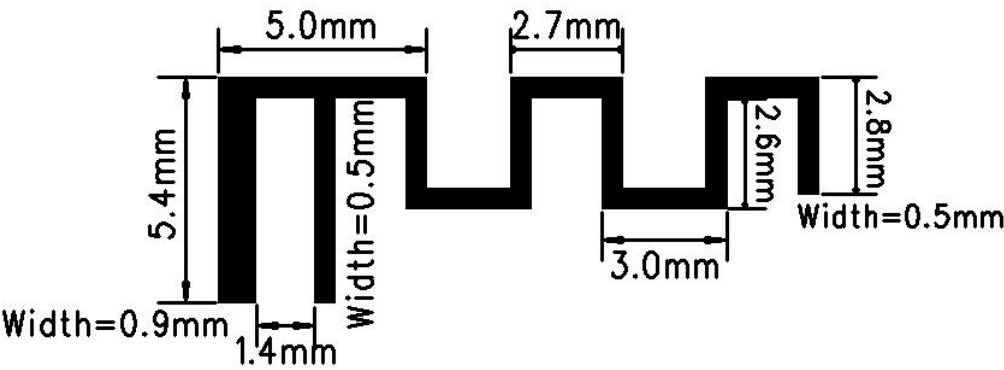


Antenna Specifications

Antenna Information

Manufacturer	SHANGHAI MOUNTAIN VIEW SILICON CO.,LTD
Manufacturer Address	Suite 4C, Building 3, 1238 Zhangjiang Road, Pudong New District, Shanghai, China
Antenna Type	Onboard antenna
Antenna Model	MV_BP10
Antenna Part Number	N/A
Antenna Frequency Range	2400-2500MHz
Antenna Input Power Limitation	N/A
Antenna Peak Gain	3.38dBi
Antenna Dimension (LxHxW)	14.5*0.035*5.5mm

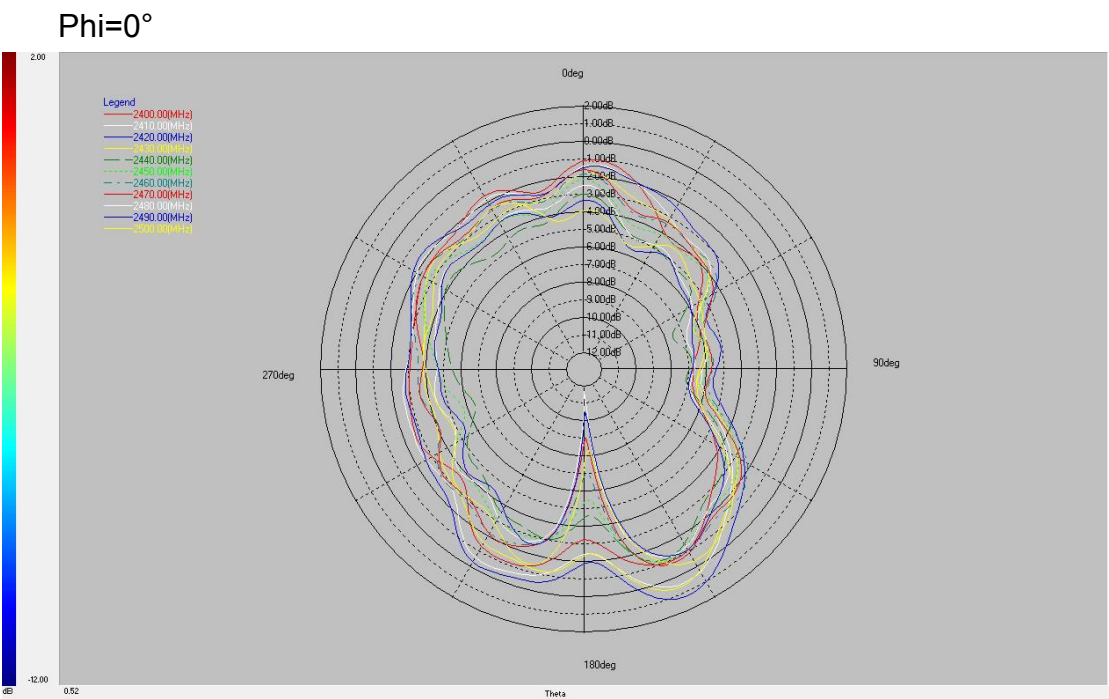
Antenna Photo



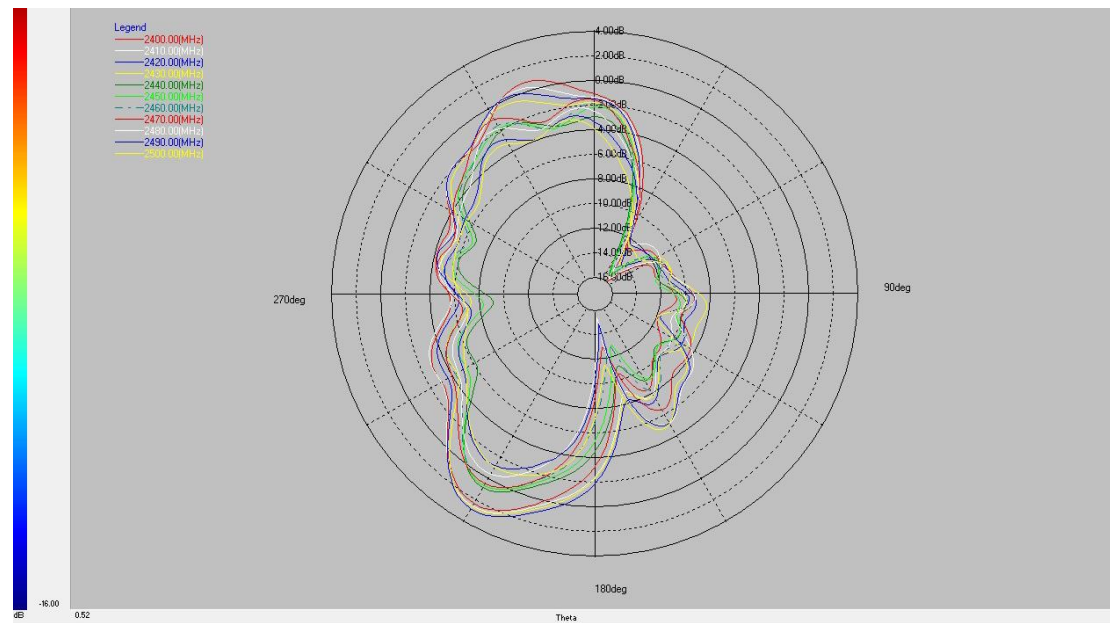
Actual Size

Antenna Pattern/Gain Measurement data/Table:

1. 2D Radiation Pattern

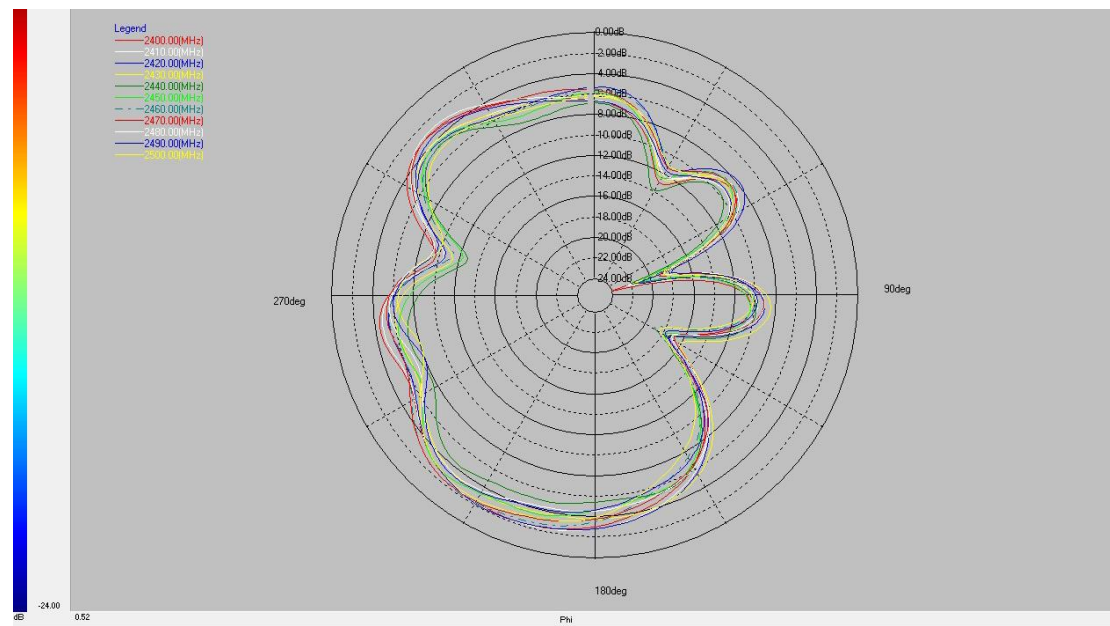


Phi=90°

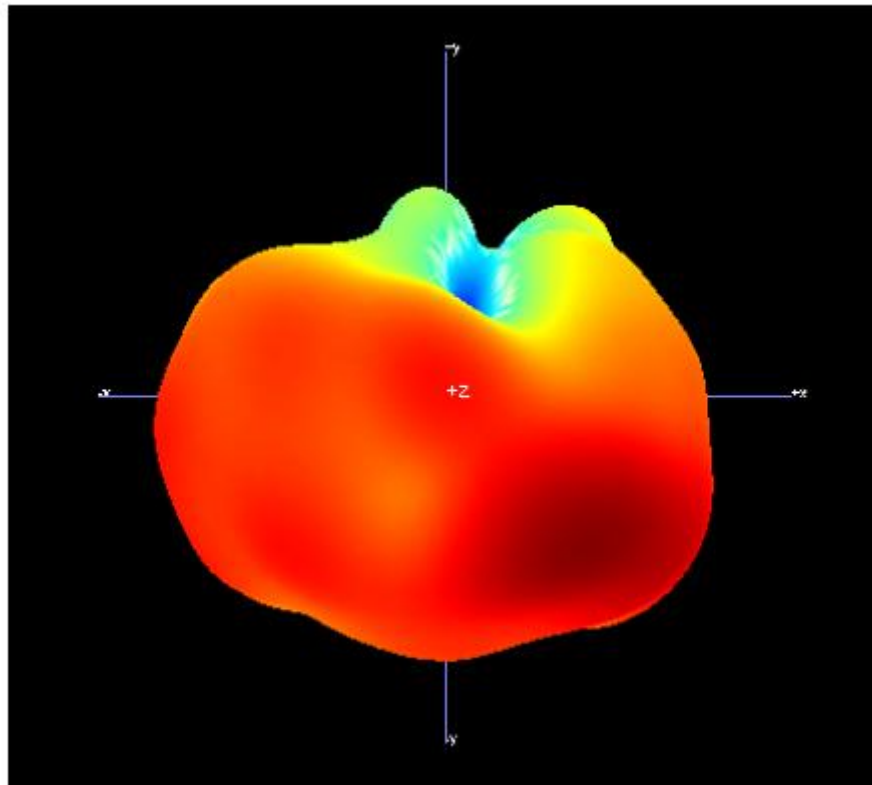


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Theta=90°



2. 3D Radiation Pattern



2450MHz

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3. Gain

Frequency	Gain(dBi)
2400MHz	2.81
2410MHz	2.74
2420MHz	3.38
2430MHz	2.73
2440MHz	1.01
2450MHz	1.26
2460MHz	1.50
2470MHz	1.49
2480MHz	1.42
2490MHz	0.36
2500MHz	0.33

Matters needing attention:

- 1、 The pin with a wire diameter of 0.9mm is connected to GND;
- 2、 The wire diameter and width of the Bluetooth antenna is 0.5mm as shown below ;
- 3、 Bluetooth antenna antenna copper gap 2.3mm as shown in the figure;
- 4、 The attachment is the antenna matching reference circuit network, and the matching device is required to be as close to the chip pin position as possible.

