

Antenna Specifications

1. **Manufacturer CN** : Shenzhen City Hailingwei electronic Co.,Ltd.

Address: 301, Building 9, Longwangmiao Industrial Zone, East District,
Baishixia Community, Fuyong Street, Bao'an District, Shenzhen City

2. Antenna information

Model No. : HQ51-BT8931H-V2

Antenna type: PCB Antenna

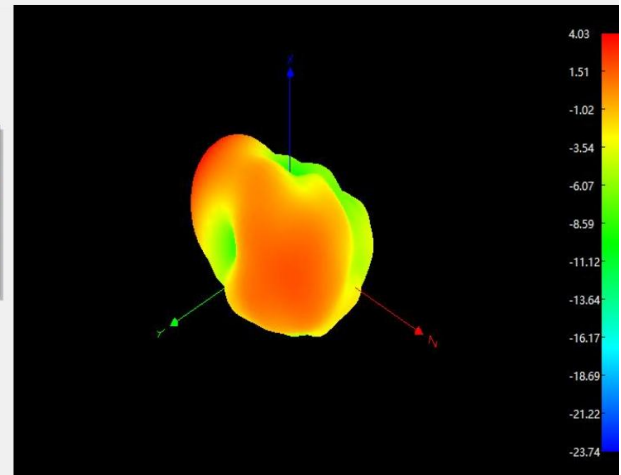
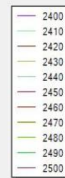
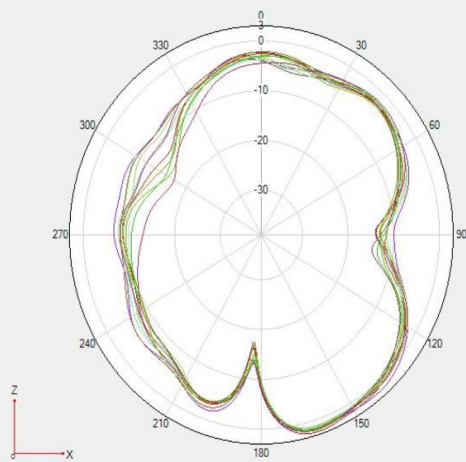
Frequency range: 2400MHz-2500MHz

3.1 Gain & Efficiency

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	43.65	4.03
2410	44.27	3.44
2420	44.74	3.67
2430	45.16	3.61
2440	47.27	4.05
2450	51.29	4.62
2460	49.09	5.54
2470	46.56	4.64
2480	46.42	5.13
2490	44.36	4.71
2500	40.46	5.18

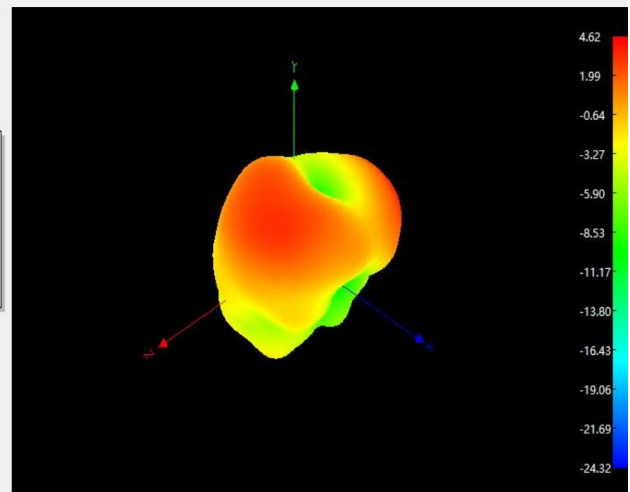
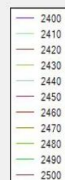
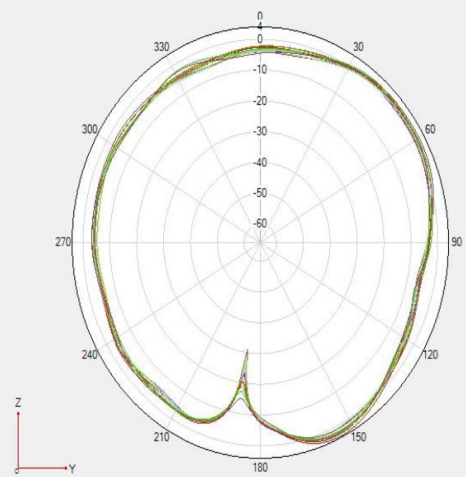
3.Test Result

3.2 2D Pattern



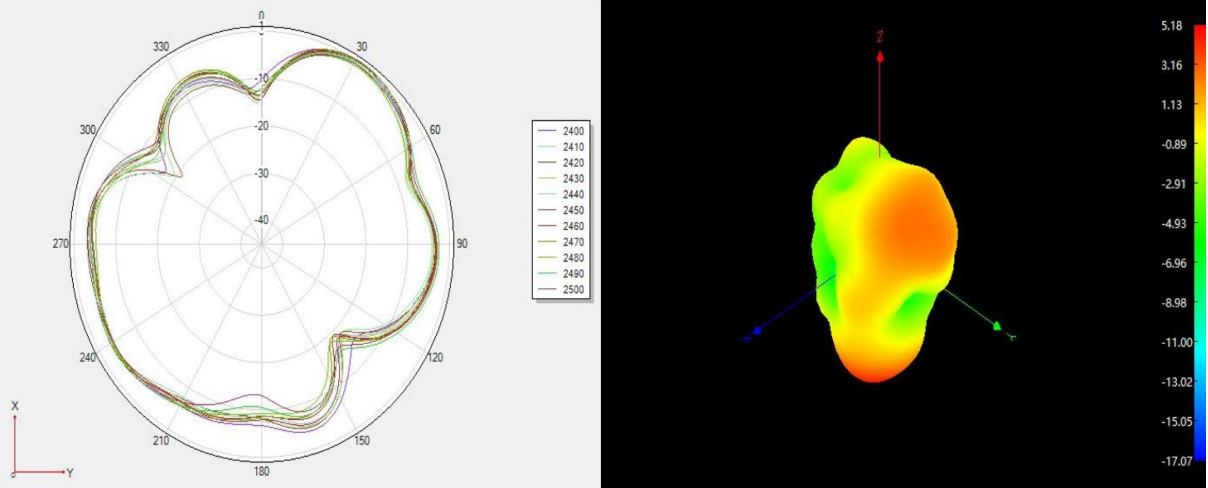
3.Test Result

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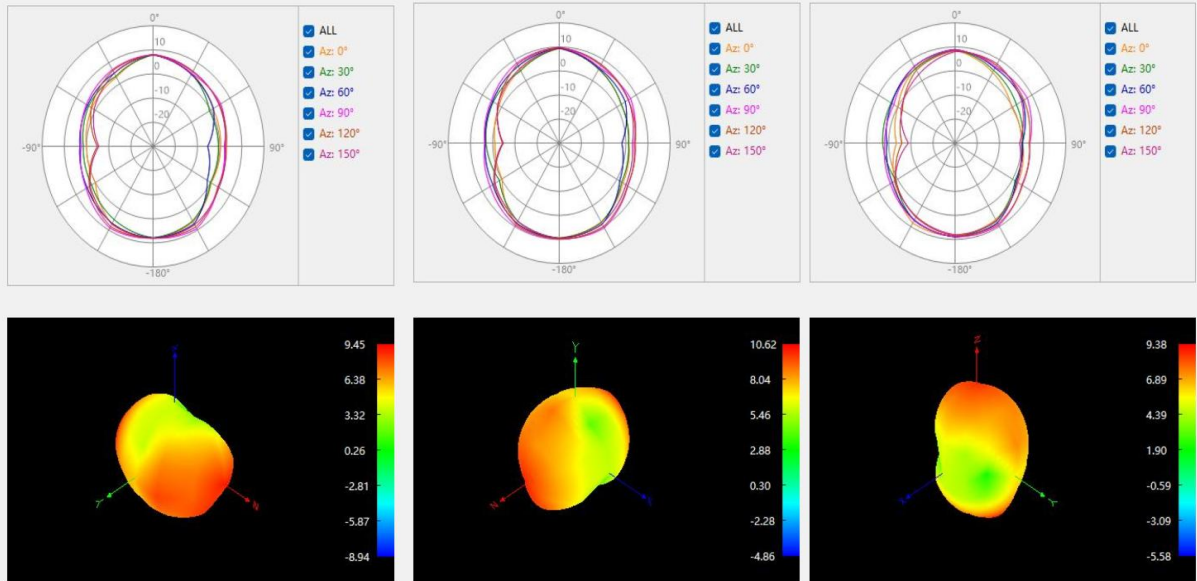


4. OTA Data

Test Equipment:	R&S CMW500		
Test Condition:	3D chamber		
Band	Channel	TRP(dBm)	TIS(dBm)
BT	0	5.43	-91.09
	39	6.56	-91.72
	78	5.31	-89.84

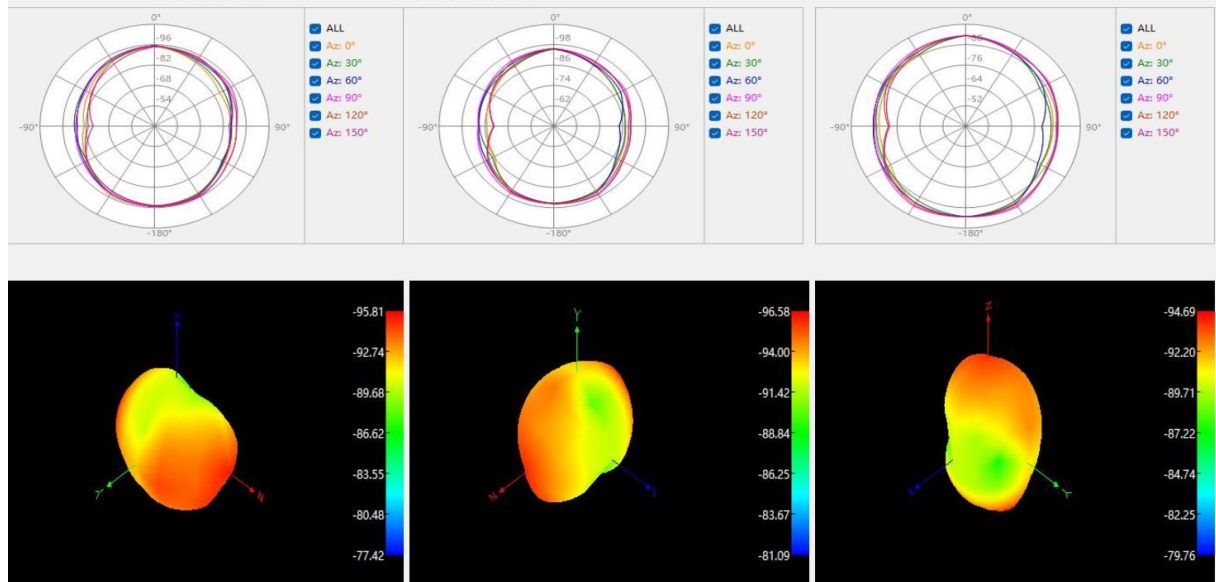
5.Test

Result TRP



5.Test

Result TIS

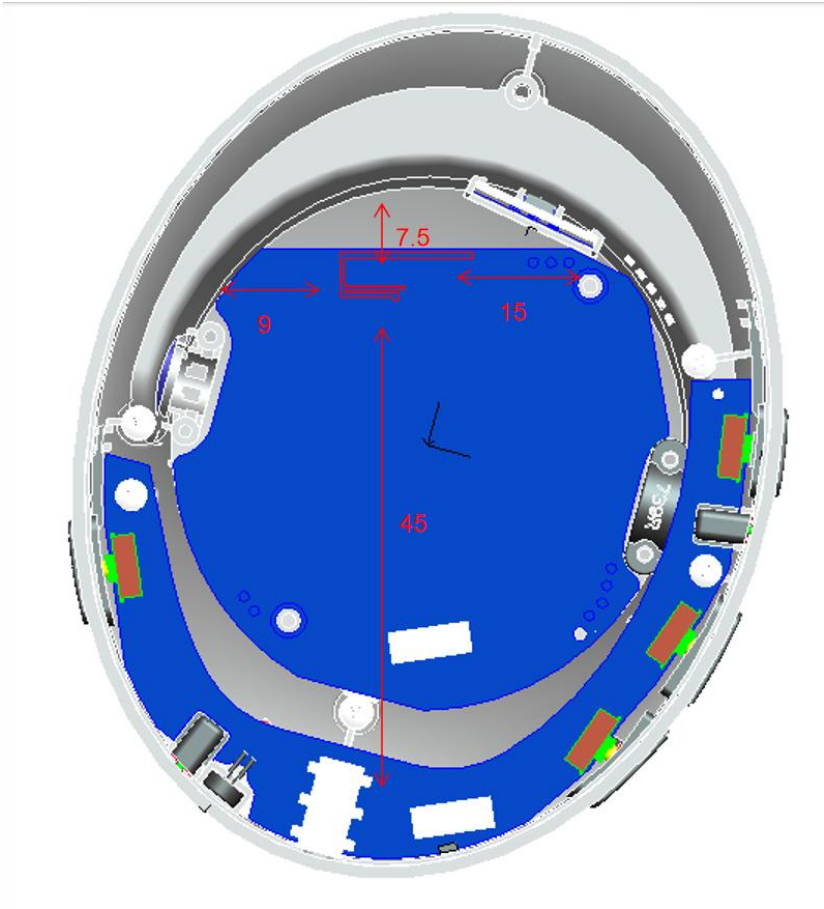


4.OTA Data

头模数据

Test Equipment:	R&S CMW500		
Test Condition:	3D chamber		
Band	Channel	TRP(dBm)	TIS(dBm)
BT	0	2.24	-84.76
	39	2.5 6	-85.29
	78	2.72	-85.16

5. Antenna Location:



6. Antenna size: 5.7*16.0mm

