

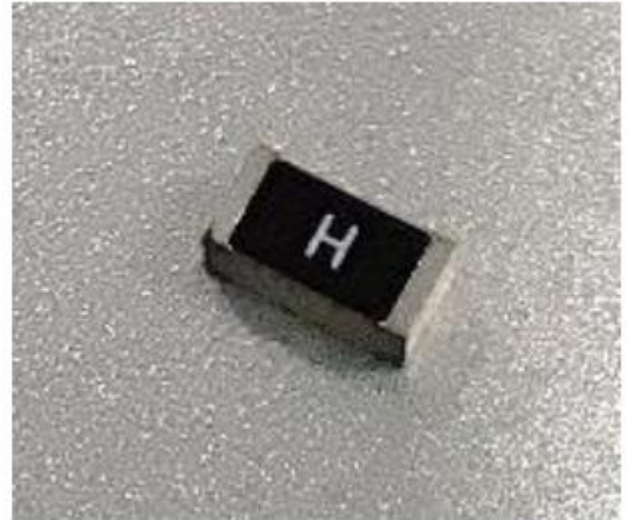
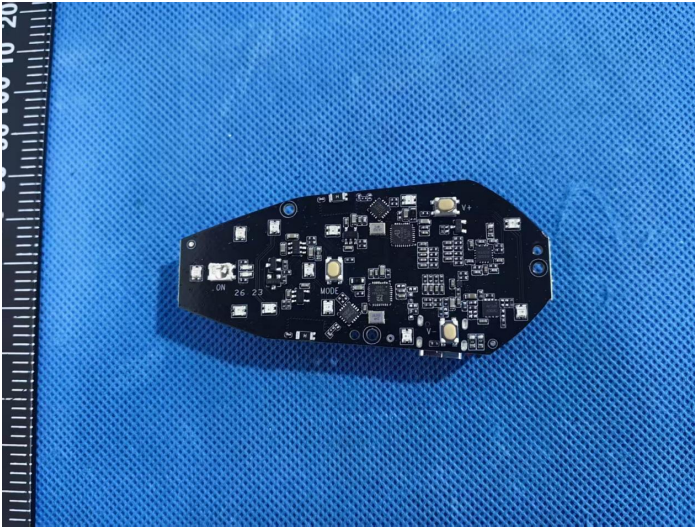


Antenna Specification

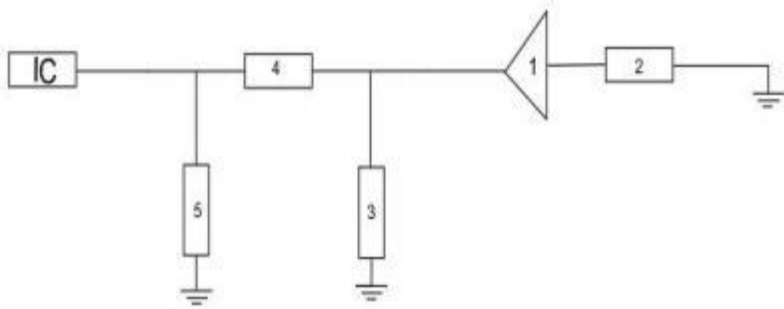
Antenna type:	Chip antenna
Frequency:	2402MHz-2480MHz
Gain(dBi):	0.26dBi
Antenna Size:	3.2*1.6*1.0mm
Modulation:	GFSK, $\pi/4$ DQPSK, 8-DPSK
Manufacture:	SHEN ZHEN YINGFENG ANTENNA TECHNOLOYCO.,LTD
Address:	Room 412, Building 7, Phase 2, Nanshan Yungu Entrepreneurship Park, No.2 Pingshan 1st Road, Pingshan Community, Taoyuan Street, Nanshan District, Shenzhen, China



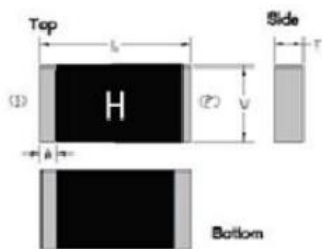
Mounting Position



(1)Product Type	Chip Antenna
(2)Size Code	3.2x1.6x1.0mm
(3)Type Code	H3
(4)Packing	Plastic Packaging
(5)Frequency	2.45GHz



Dimension and Terminal Configuration



Dimension (mm)	
L	3.15 $\pm$ 0.15
W	1.55 $\pm$ 0.15
T	1.0 $\pm$ 0.10
A	0.35 $\pm$ 0.10

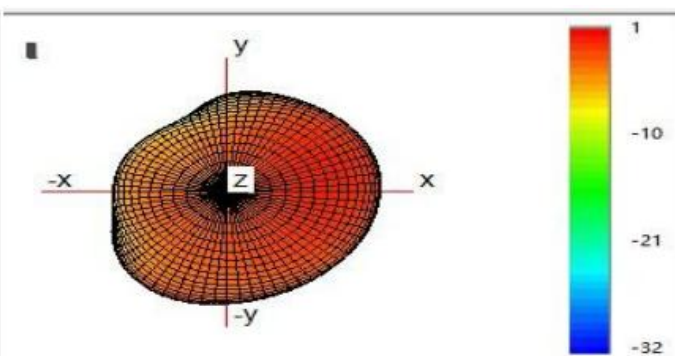
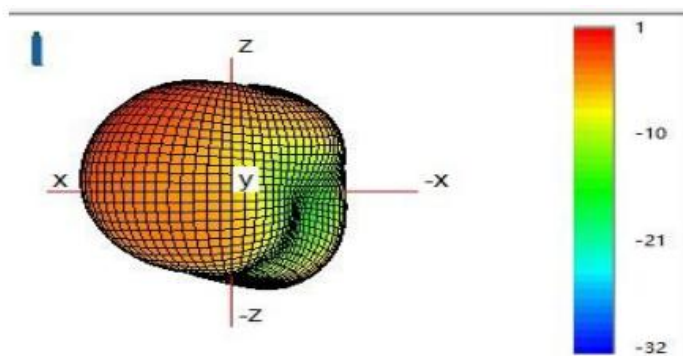
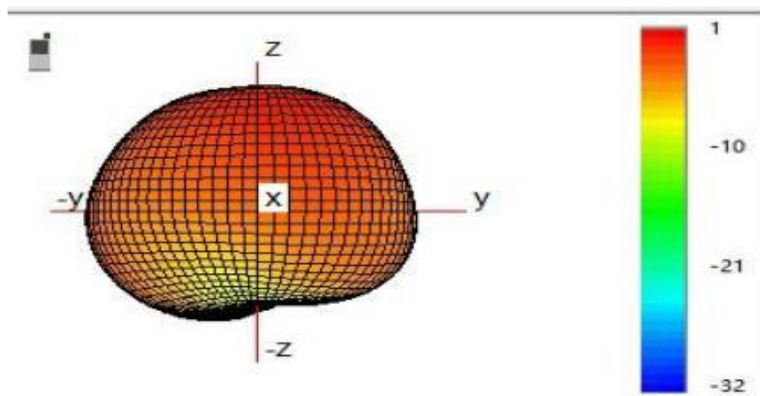
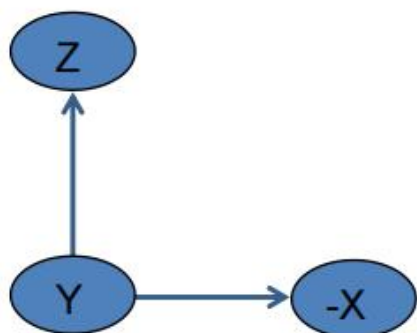
No.	Terminal Name
1	Feeding point
2	GND

Debug antenna S-parameters with Vector Network Analyzer



Freq (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	-0.449709957	-4.59188503	34.73853481
2410	-0.135407458	-4.261730473	37.48236218
2420	0.075847932	-4.06968961	39.17698759
2430	0.155509109	-3.957508209	40.20214069
2440	0.256474032	-3.780337534	41.87610177
2450	0.105543386	-3.921248983	40.53919324
2460	-0.259511738	-4.247070023	37.60910494
2470	-0.382158829	-4.364164306	36.60863782
2480	-0.538929602	-4.531125016	35.22796031

Passive Radiation Pattern of Complete DUT in Free Space



OTA Radiation Pattern of Complete DUT in Free Space

	Channel	TRP功率 (dBm)	TIS灵敏度 (dBm)
1	CH 0	19.58	-93.7
	CH 39	20.12	-94.98
	CH 78	18.69	-93.81

