ANTENNA SPECIFICATION

V1.0

CUSTOMER NAME: Guangzhou Hysoon Electronic Co., Ltd.

PRODUCT NAME: Bluetooth Antenna

CUSTOMER P /N: BT-ANT-01

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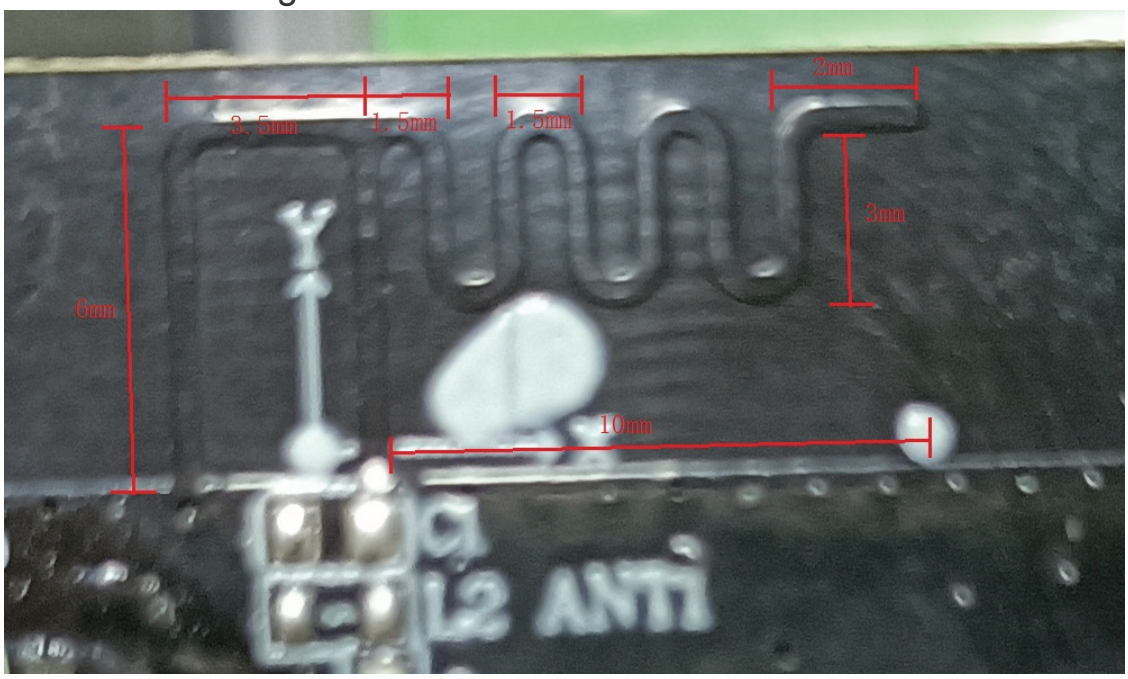
一、Specification

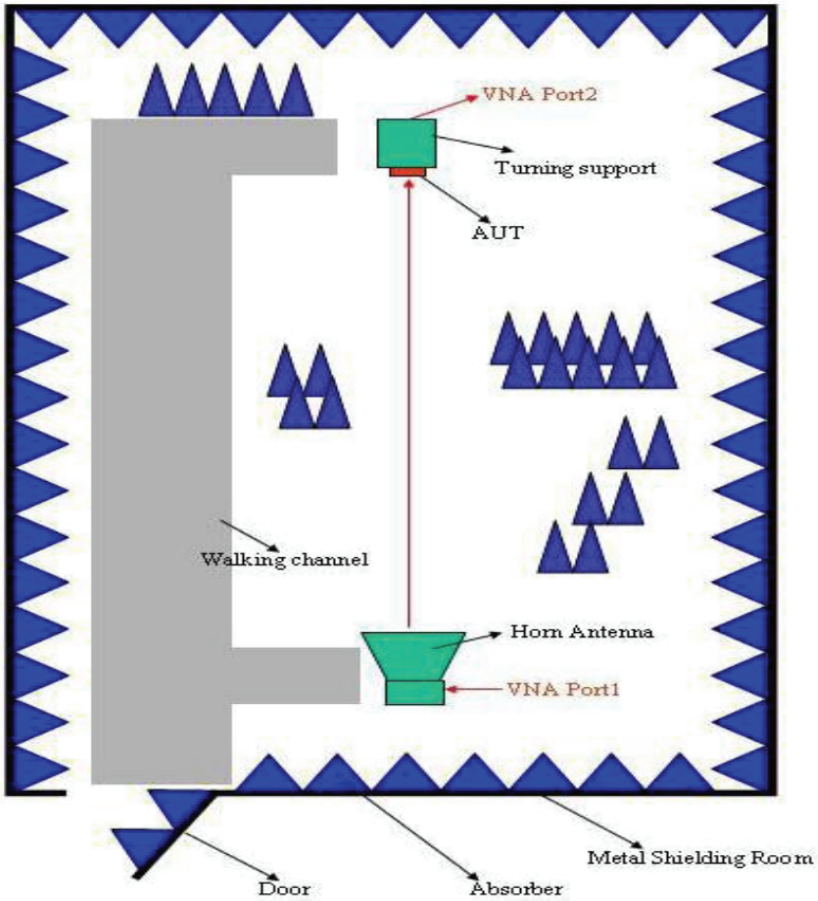
主要技术参数		Main technical parameter	
频率范围(MHz)	2400-2500	Frequency Range(MHz)	2400-2500
阻抗(ohm)	50	Impedance(ohm)	50
增益(dBi)	2.41	Gain(dBi)	2.41
输出驻波比	1.83	VSWR	1.83
功率	1.5W/3V3	Admitted Power	1.5W/3V3
方向性	全向性	Radiation	Omni-directional
天线类型	PCB	Antenna plate	PCB
物理性能		Physical Properties	
天线材料	FR4	Antenna cover	FR4
工作温度	-10--+80	Operating Temp	-10-- +80
保存温度	+10--+20	Storage Temp	+10--+20

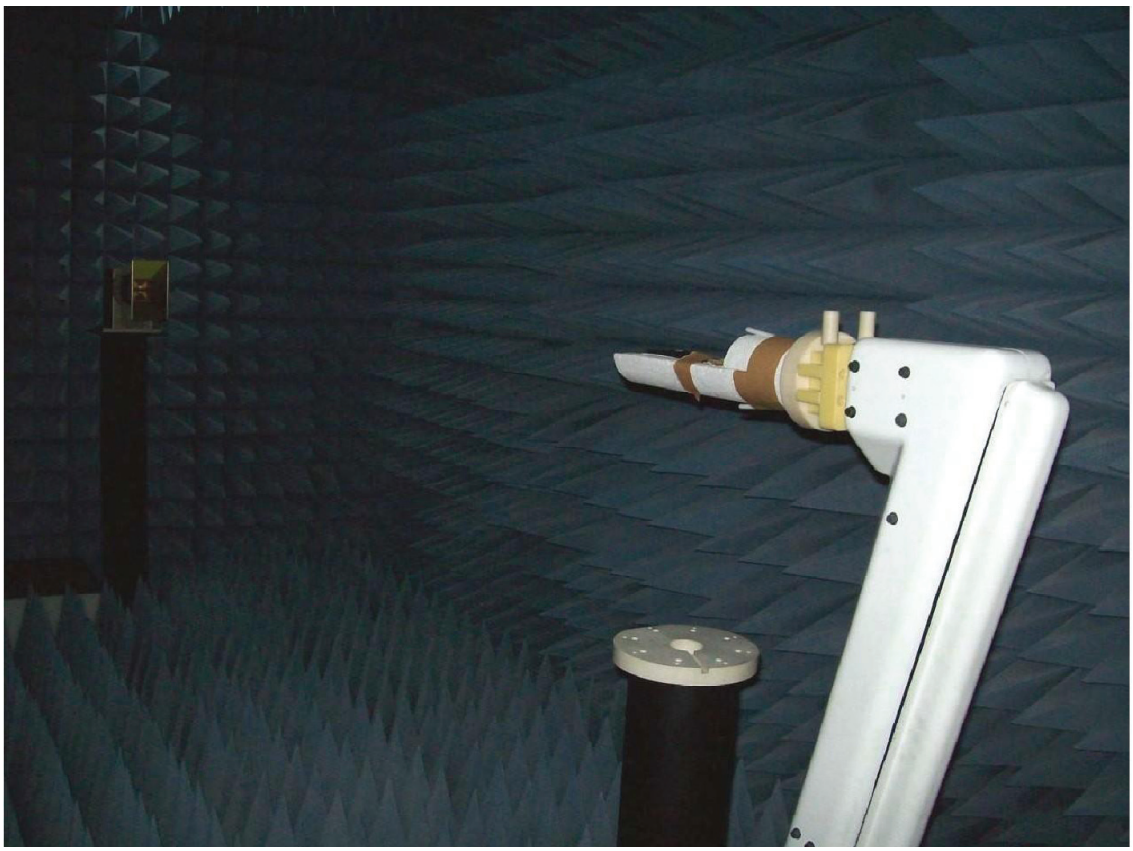
二、 Size drawing



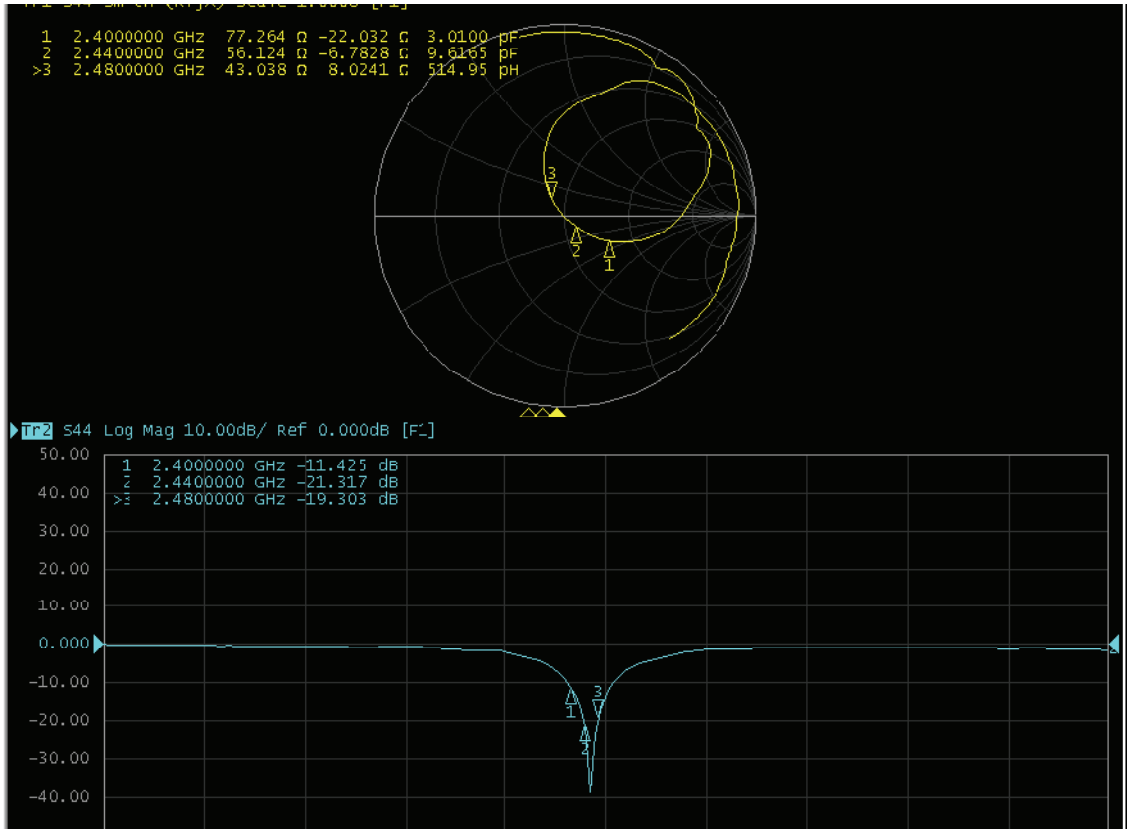
三、Test Report

The Environment of Antenna Radiation Pattem

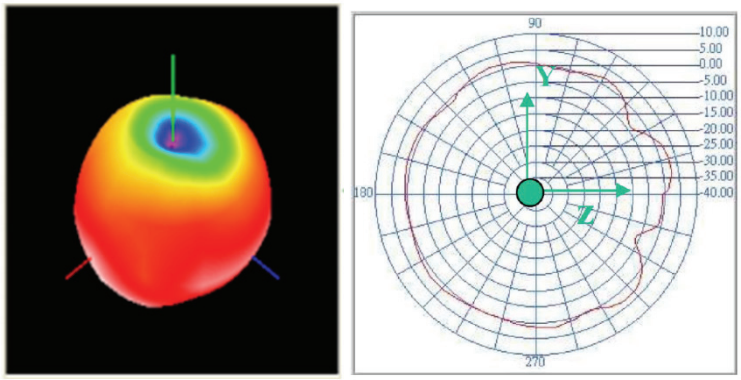




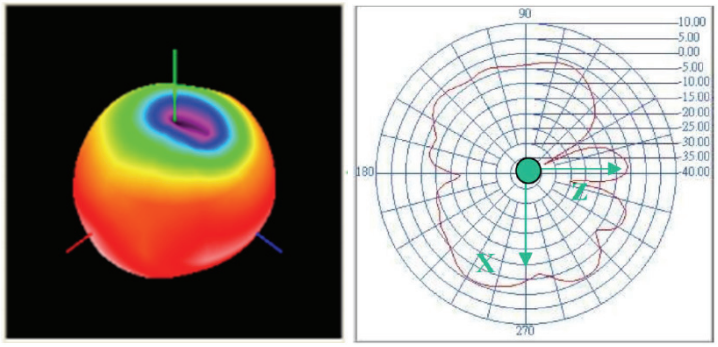
Retum Loss


1 2.4000000 GHz 77.264 Ω -22.032 Ω 3.0100 pF
2 2.4400000 GHz 56.124 Ω -6.7828 Ω 9.6165 pF
>3 2.4800000 GHz 43.038 Ω 8.0241 Ω 514.95 pH
Tr2 S44 Log Mag 10.00dB/ Ref 0.000dB [F1]
1 2.4000000 GHz -11.425 dB
2 2.4400000 GHz -21.317 dB
>3 2.4800000 GHz -19.303 dB
50.00
40.00
30.00
20.00
10.00
0.000
-10.00
-20.00
-30.00
-40.00

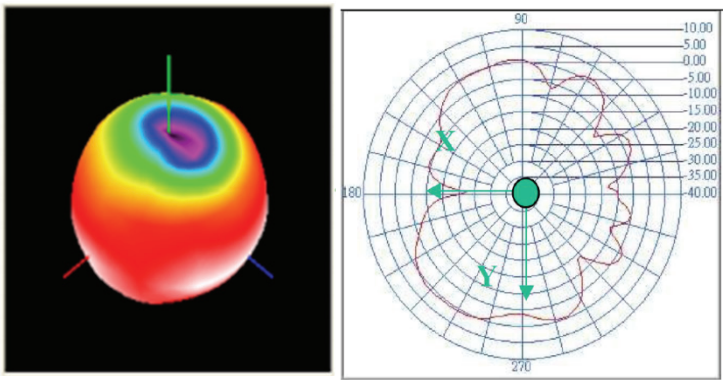
2D,3D radiation pattern diagram



2.4GHz Gain:2.41dBi Efficiency:75.6 1%



2.45GHz Gain: 0.00dBi Efficiency:78.45%



2.5GHz Gain: 0.46dBi Efficiency:79.32%