

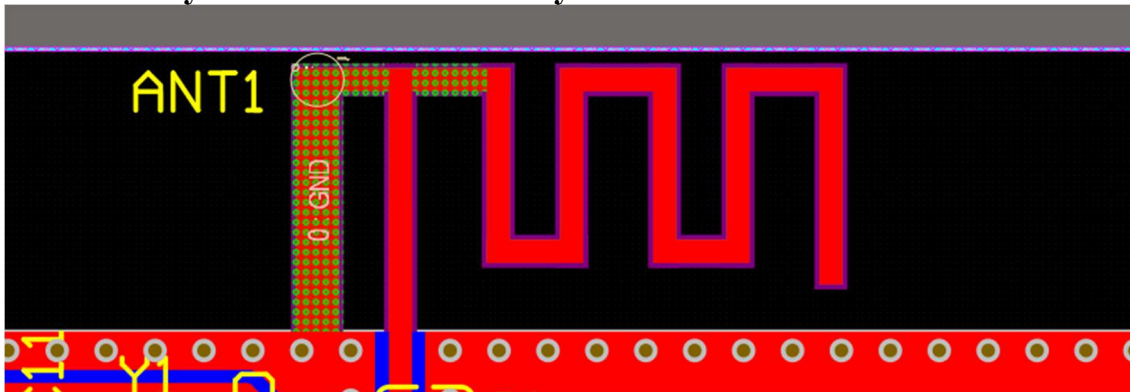
## Antenna specification

### Quick Reference Date

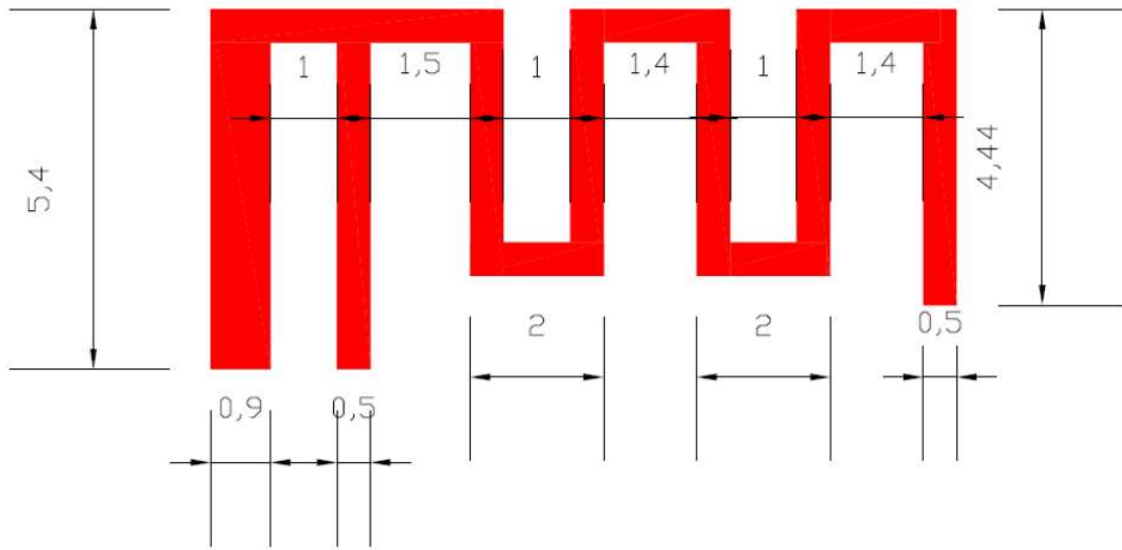
Antenna Introduction	Bluetooth antenna is directly mounted on the PCB board
Frequenc Range	2402 ~ 2480MHz
Ant. Port Input Pwr. (dBm)	0 (Typ. BT class 2 output power)
Tot. Rad. Pwr. (dBm)	-1.2 (Input pwr – loss pwr)
Peak EIRP(dBm)	0
Directivity (dBi)	1 (all direction antenna)
Efficiency (dB)	1.0%
Gain (dBi)	0 (Avg Gain XY-plane)
Maximum Power (dBm)	0 (XY-plane)
Minimum Power (dBm)	0(XY-plane)
Avg. Power (dBm)	0(XY-plane)
Input Impedence(ohm)	50
Polarization Type	V ertical & Horizontal
V . S . W . R	< 6

All the technical data and information contained herein are subject to change without prior notice

### Antenna Layout & module on the system board



单位：MM

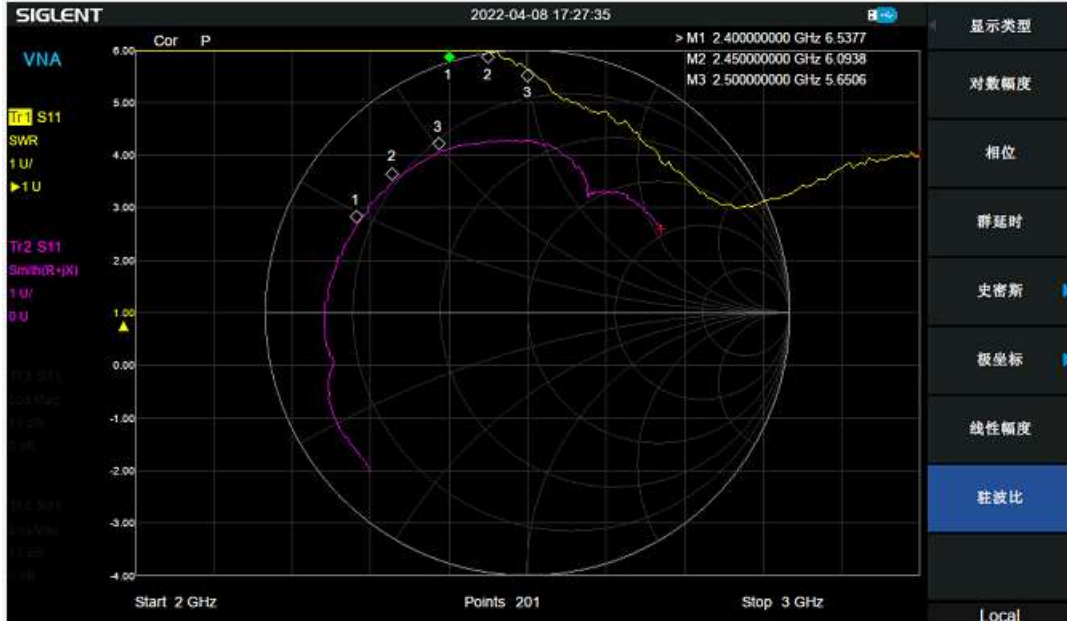


**Antenna Gain**

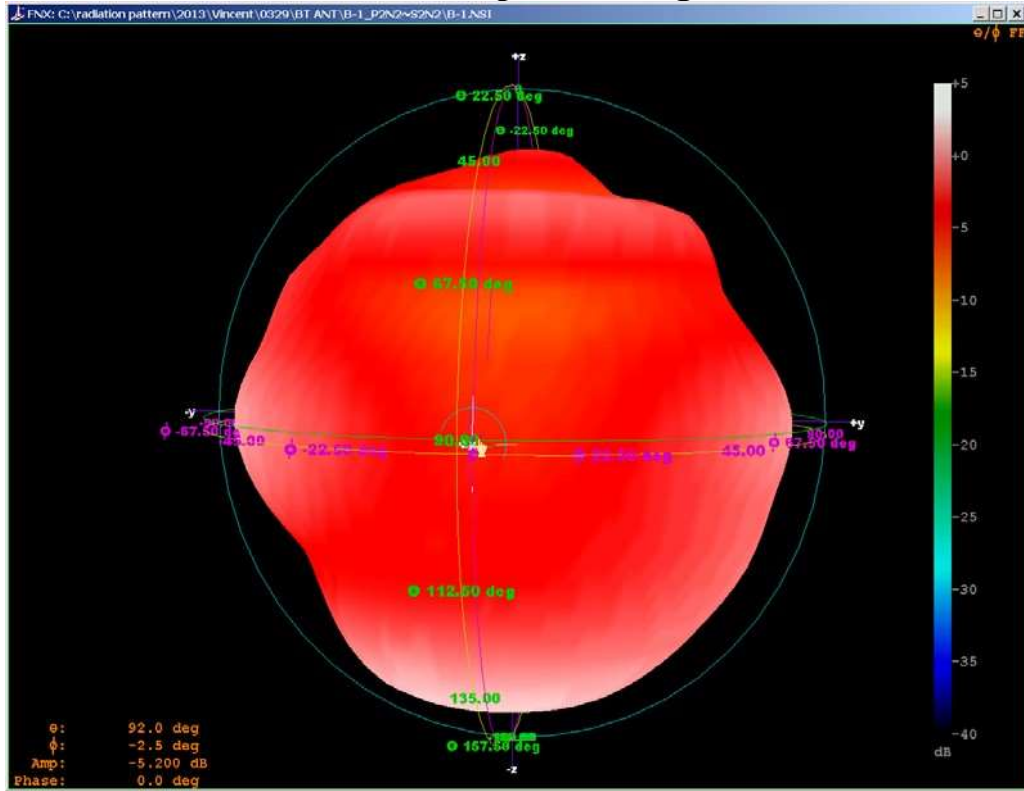
**Gain Table**

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	0	0	0	0	0	0	0

# Return Loss

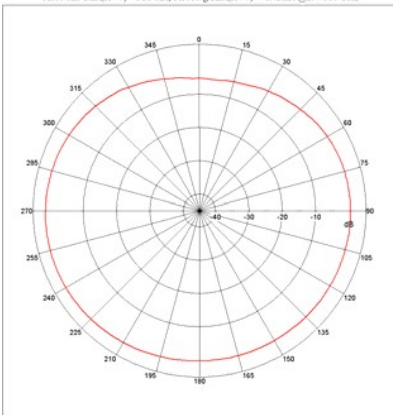


### 3D radiation pattern diagram



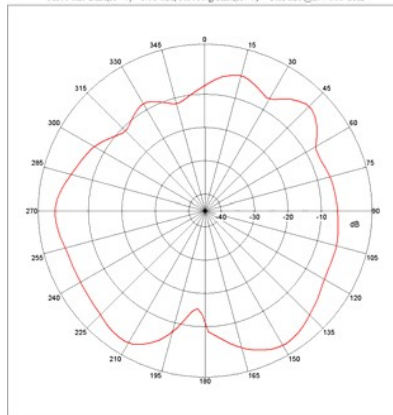
### XY-plane

Far-field Power Distribution(H+V) on X-Y Plane  
Plot Peak Gain(H+V)= 1.35 dBi; Plot AvgGain(H+V)= -0.48dBi @2.44000 GHz



### XZ-plane

Far-field Power Distribution(H+V) on X-Z Plane  
Plot Peak Gain(H+V)= 1.68 dBi; Plot AvgGain(H+V)= -3.83dBi @2.44000 GHz



### YZ-plane

Far-field Power Distribution(H+V) on Y-Z Plane  
Plot Peak Gain(H+V)= 1.11 dBi; Plot AvgGain(H+V)= -2.99dBi @2.44000 GHz

