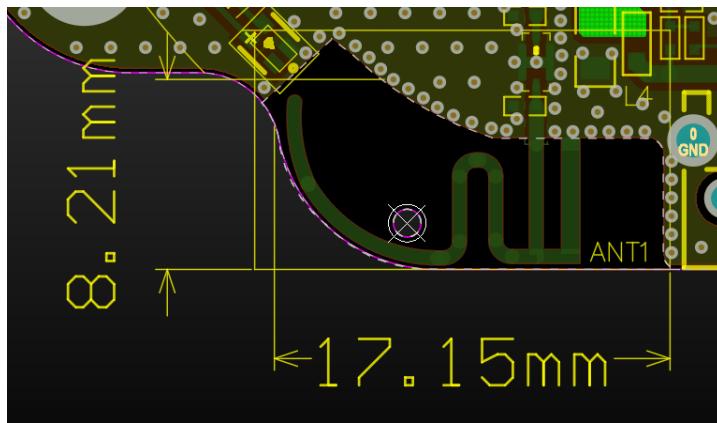


# Onboard Bluetooth WIFI antenna specification

## 1. Antenna overview

The onboard antenna is directly printed by PCB, the antenna is copper bobbing and tin-spraying process, the copper foil thickness is 10Z, and the plate is FR-4 thickness 1.2mm material.

## 2. Antenna configuration



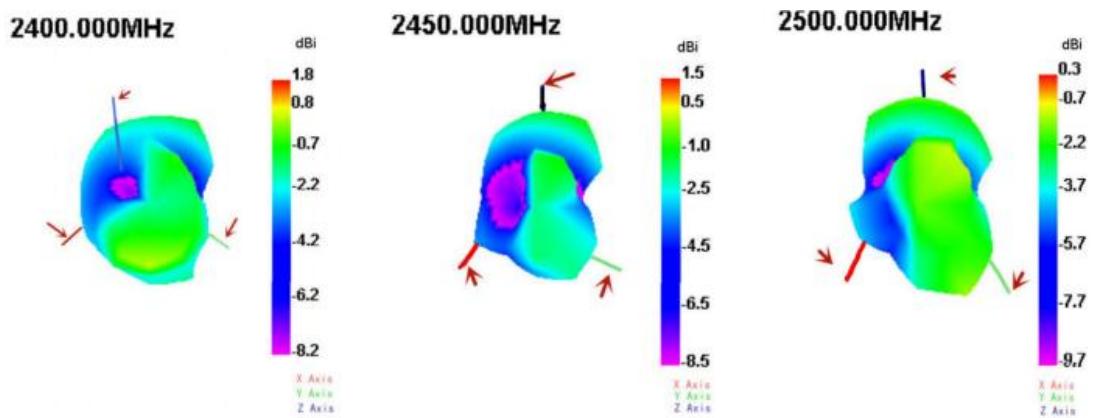
## 3. Antenna parameter

Parameter	Value
Frequency(GHz)	2412-2472Mhz
VSWR	VSWR ≤ 1.92
Impedance	50 Ohm Nominal
Return Loss	-8.5 dB Max
Radiation	Omni-directional
Gain (Peak)	0dB
Polarization	Linear, Vertical
Admitted Power	2W
Connector	Tin

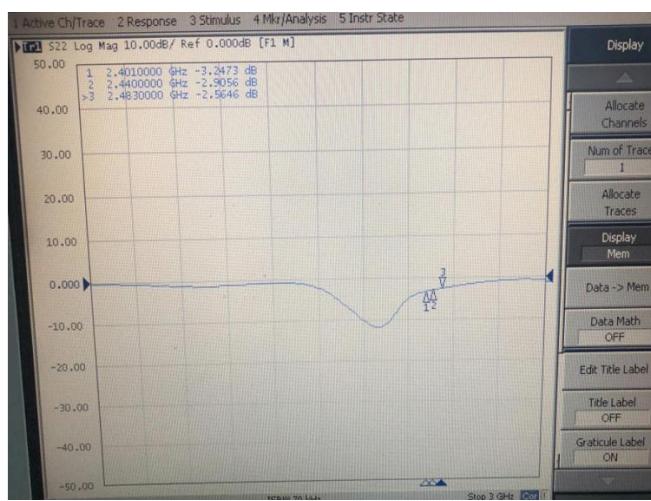
## 4. Antenna gain

Frequency VNA (MHz)	Max Gain(dB)
2400	1.45
2430	1.19
2450	1.39
2470	1.18
2490	1.28

## 5. Directional diagram



## 6. 驻波



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