

# Bluetooth antenna of PCB on-board specification

V1.0

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## 2. Specification

**Product Number: PCB Antenna**

**Sample Photo:**



### **A. Electrical Characteristics**

Frequency	2400 ~ 2500 MHz
S.W.R.	$\leq 2.0$
Gain	Max $\leq 1.99$ dBi
Efficiency	$\sim 45\%$
Polarization	Linear
Impedance	50 Ohm

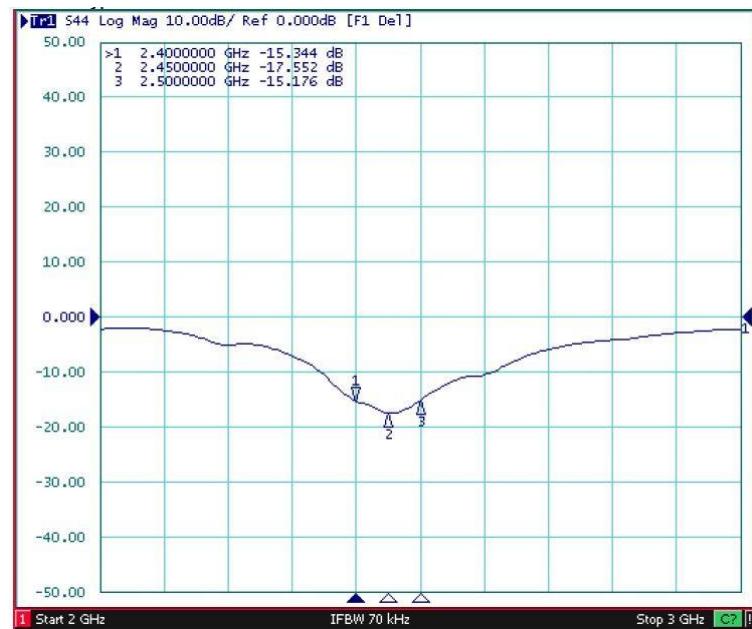
### **B. Material & Mechanical Characteristics**

Material of Radiator	plated copper
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### **C. Environmental**

Operation Temperature	- 40°C ~ + 85°C
Storage Temperature	- 40°C ~ + 105°C

### 3. Return Loss



## 4. Radiation Patter

Radiation Pattern and Gain were dependent on measurement board design. The specification of coil antenna was measured based on the PCB size and installation position as shown in the below figure Test Board.

