

# Bluetooth antenna of PCB on-board specification

Model: FSC- BW256

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## 2, Specification

Product Number: PCB antenna

Sample Photo:



### A. Electrical Characteristics

Frequency	2400 ~ 2500 MHz
Gain	-1.88 dBi
Efficiency	~ 22%
Polarization	Linear
Impedance	50 Ohm

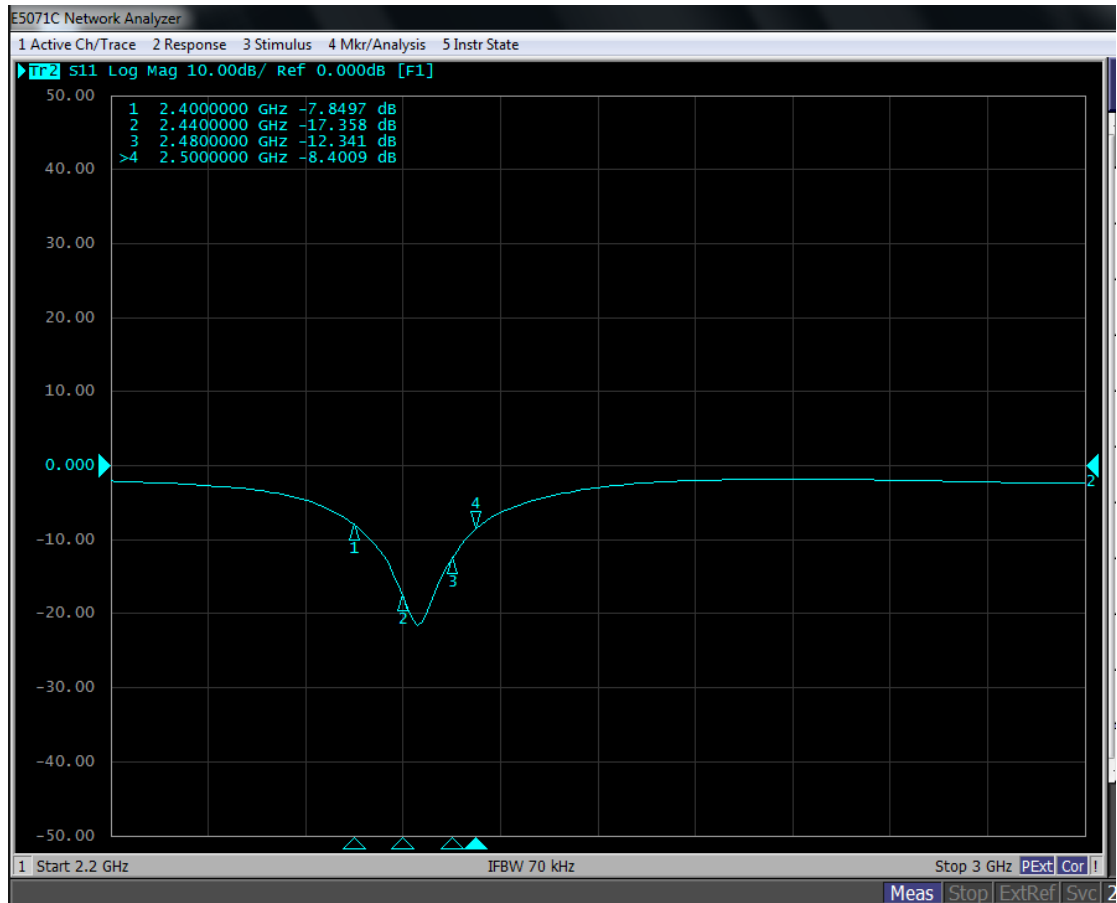
### B. Material & Mechanical Characteristics

Material of Radiator	copper
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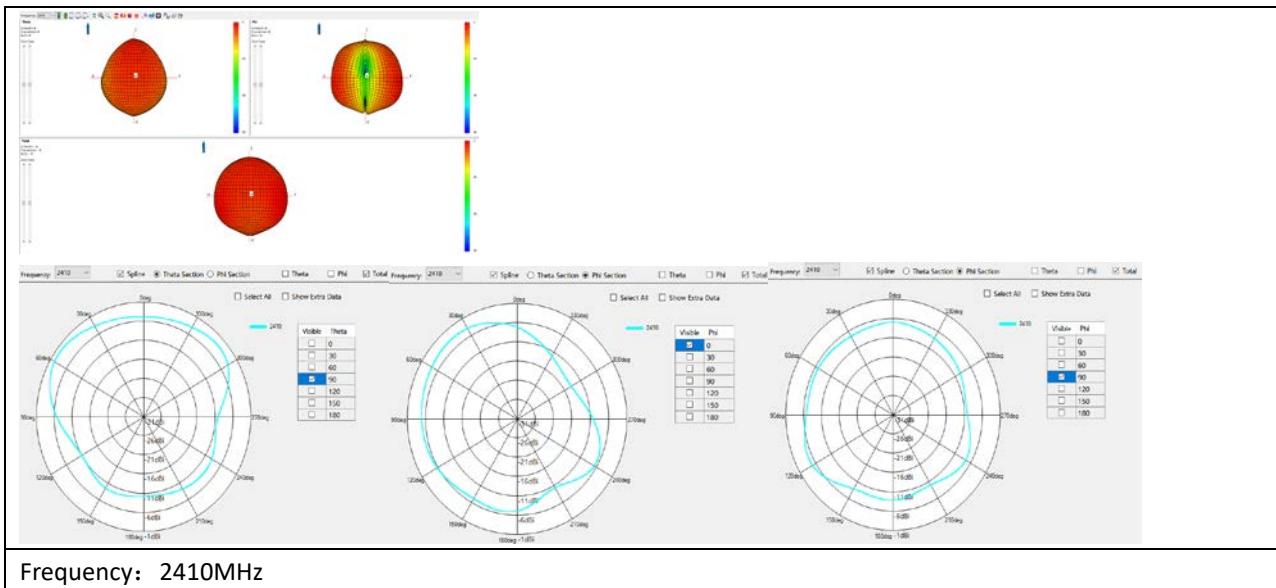
### C. Environmental

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

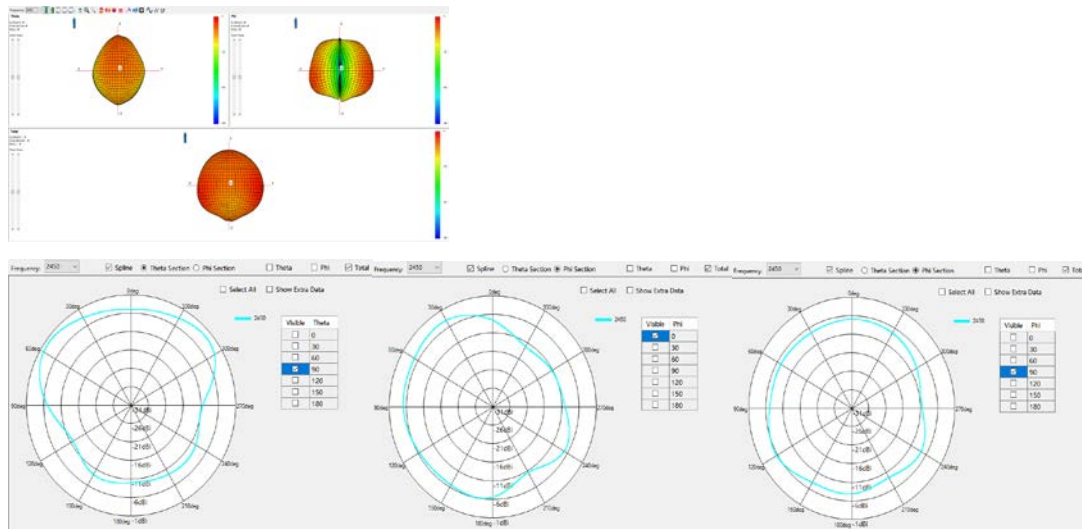
## 3, Return Loss



## 4, Radiation Pattern

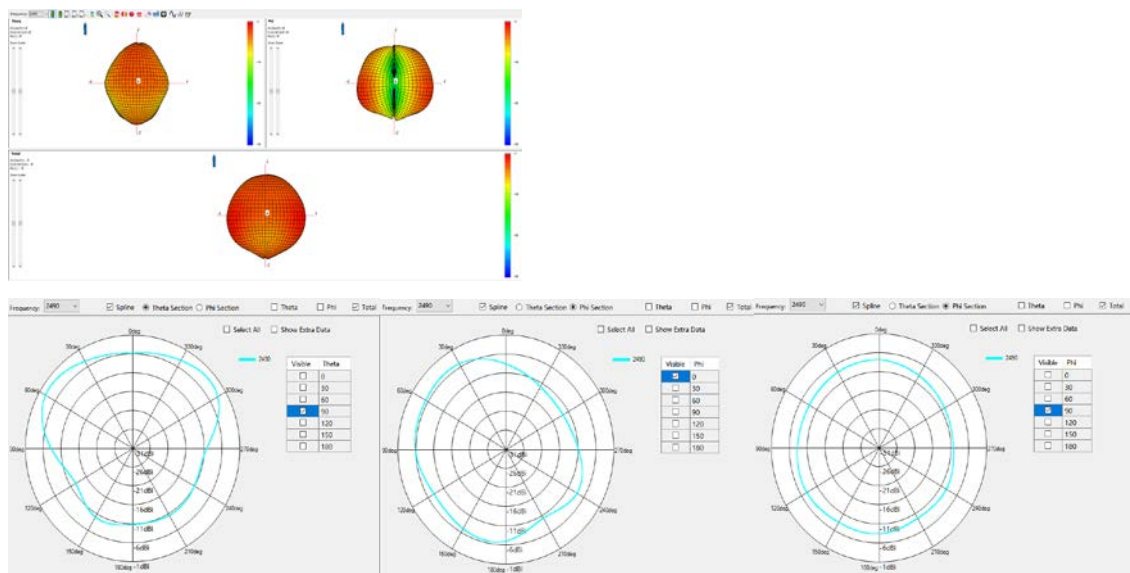


Gain: -1.55 dBi



Frequency: 2450MHz

Gain: -0.66 dBi



Frequency: 2480MHz

Gain: -1.54dBi

## Test Result:

Freq(MHz)	Gain (dBi)	Efficiency %
2400MHz	-2.06	23.72
2410MHz	-2.03	23.46
2420MHz	-1.97	23.33
2430MHz	-1.9	23.24
2440MHz	-1.88	23.13
2450MHz	-1.88	23.01
2460MHz	-2.11	22.02
2470MHz	-2.25	21.18
2480MHz	-2.45	20.34
2490MHz	-2.69	19.07
2500MHz	-3	17.64

## 5, Spec Drawing

Unit: mm

