

Bluetooth antenna of PCB on-board specification

1, Index

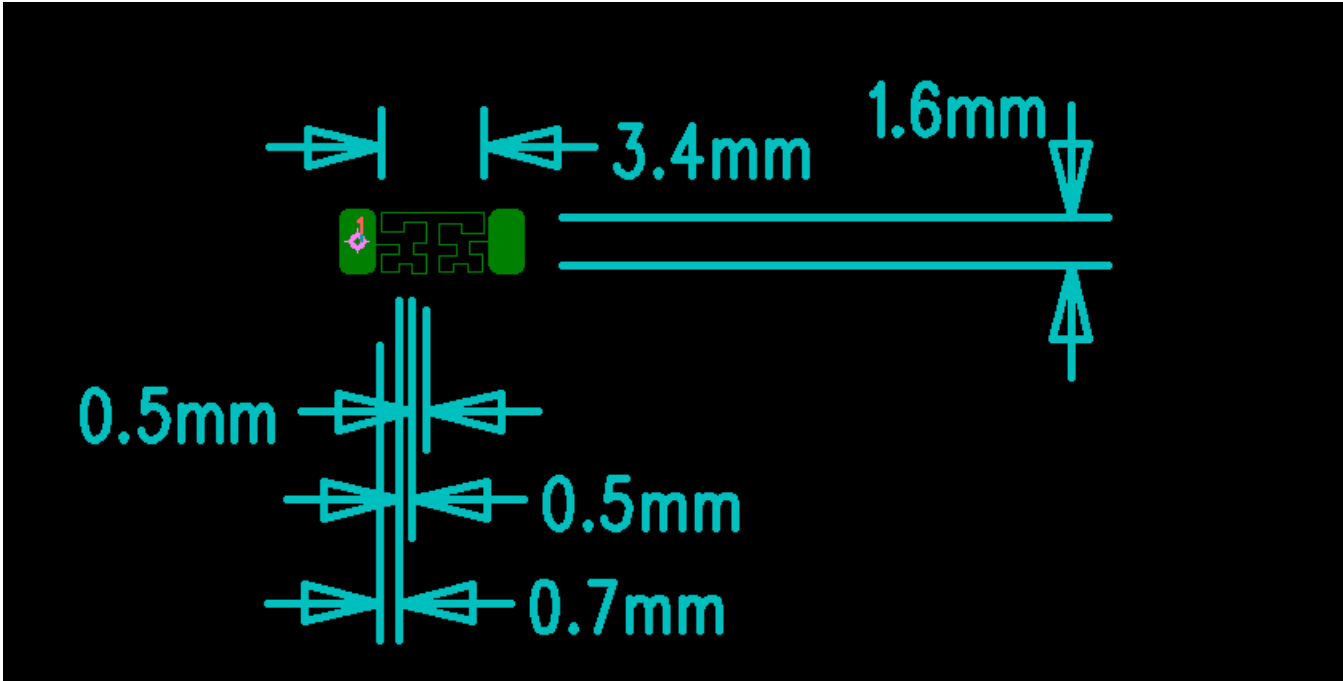
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2, Spec Drawing



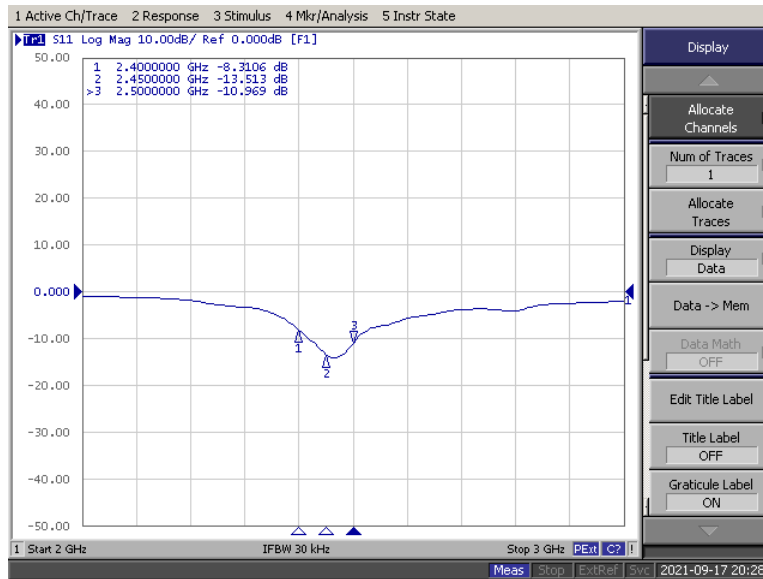
3, Specification

Electrical Characteristics	
Frequency	2400 ~ 2500 MHz
S.W.R.	<=2.0
Gain	-2.0 dBi
Efficiency	~ 26%
Polarization	Linear
Impedance	50 Ohm
Environmental	
Operation Temperature	- 40℃ ~ + 85℃
Storage Temperature	- 40℃ ~ + 105℃

4, Antenna structure

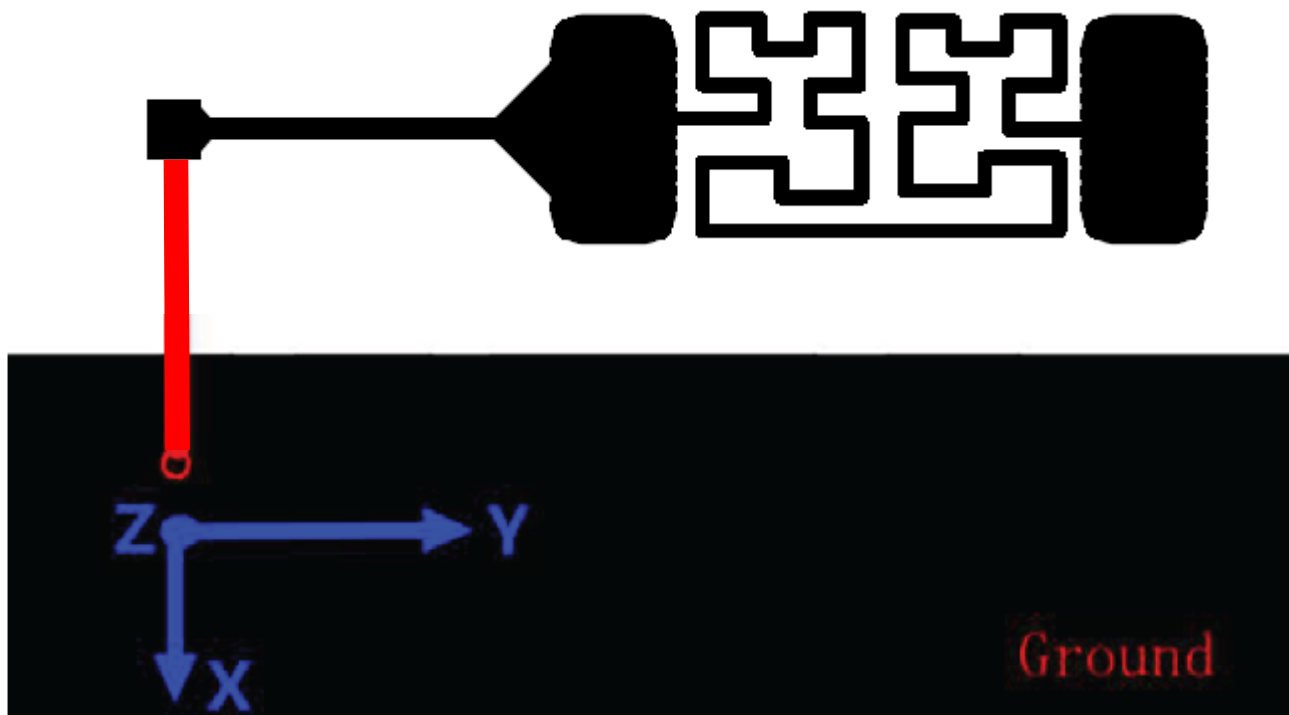


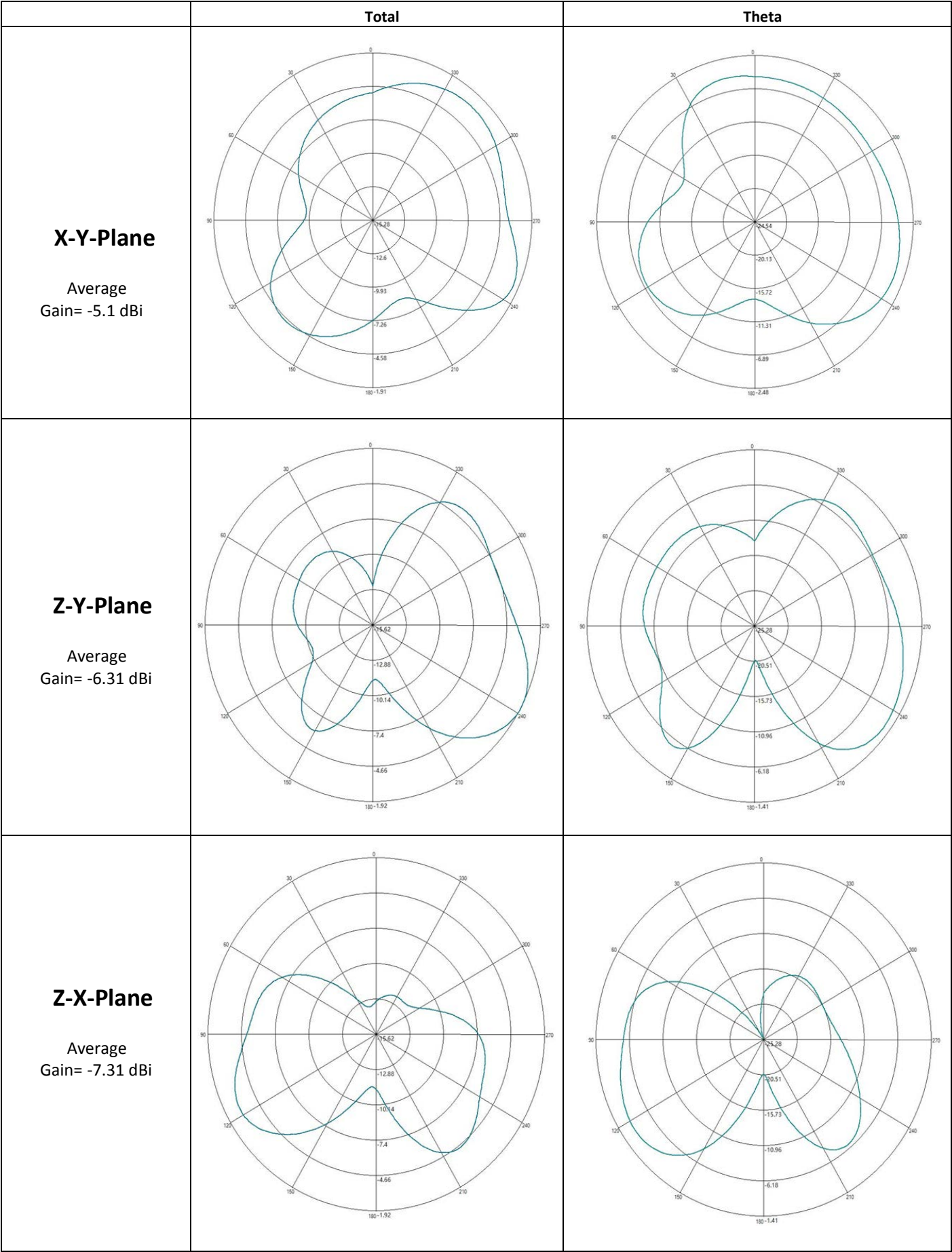
5, Return Loss



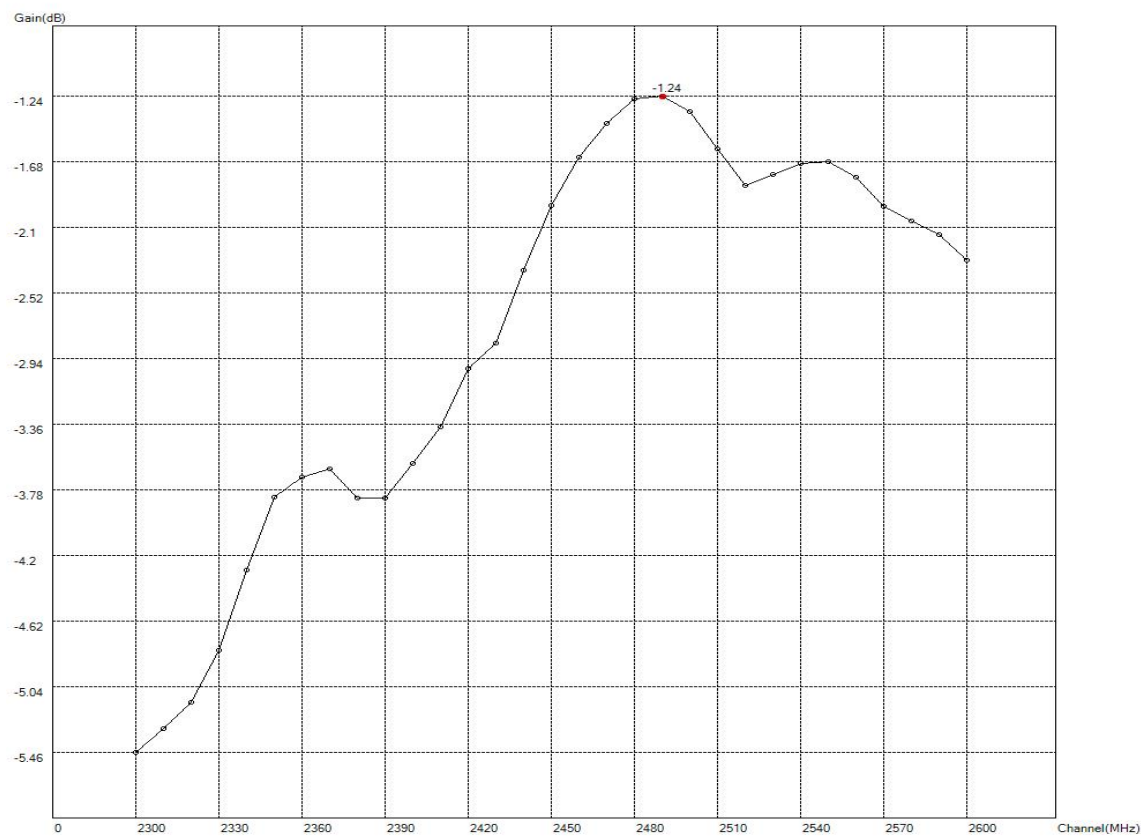
6, Radiation Pattern

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.





Gain-Plane



Efficiency-Plane

