
Bluetooth antenna of PCB on-board specification

V1.0

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Model number: YE630CR-BL-ANT

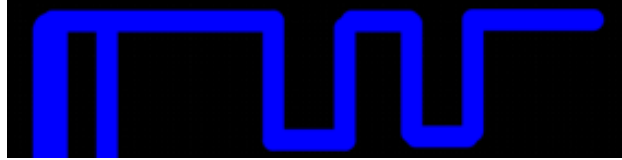
Manufacturer : Guangde Yarsun Electronics Technology Co.,Ltd

Address: No.7 Pengju Road, Economic Development Zone, Guangde County, Anhui Province,
China

2、Specification

Model number: YE630CR-BL-ANT

Sample Photo:



A. Electrical Characteristics

Frequency	2400 ~ 2500 MHz
S.W.R.	<1.6
Gain	3.09dBi
Efficiency	35%
Polarization	Linear
Impedance	50 Ohm

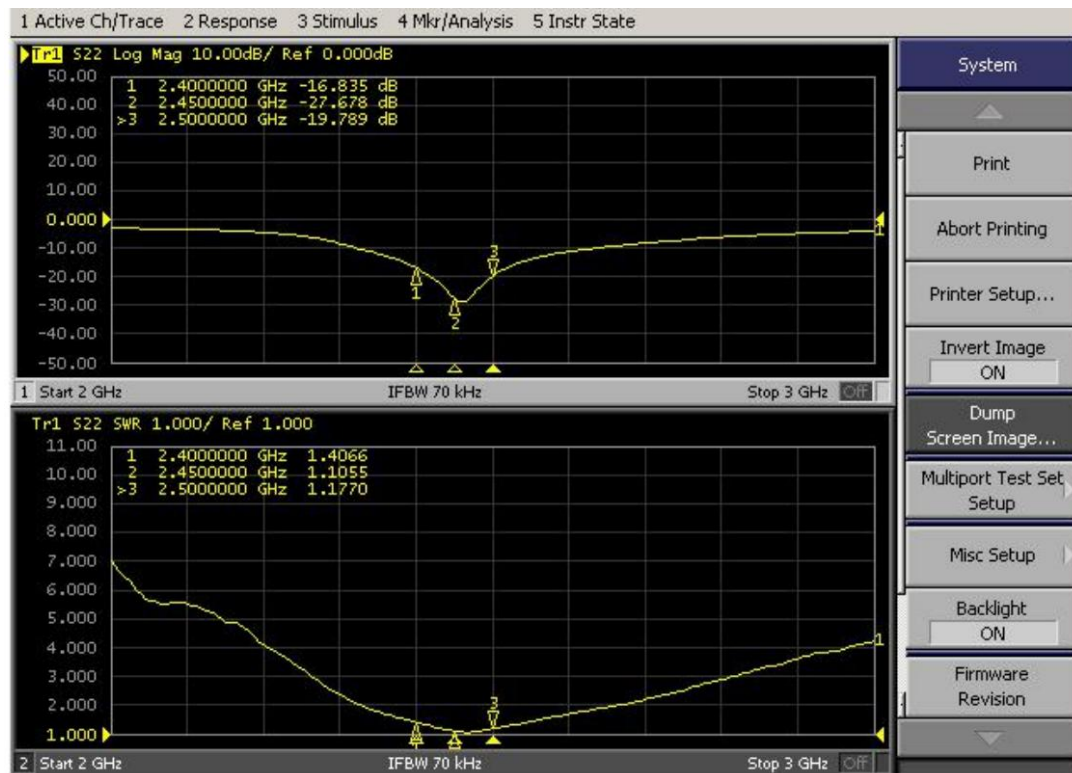
B. Material & Mechanical Characteristics

Material of Radiator	plated copper
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C. Environmental

Operation Temperature	- 40℃ ~ + 85℃
Storage Temperature	- 40℃ ~ + 105℃

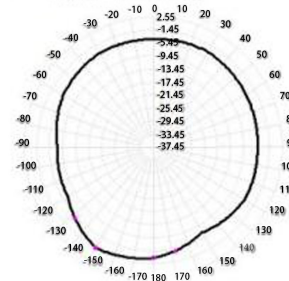
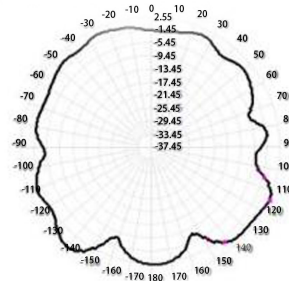
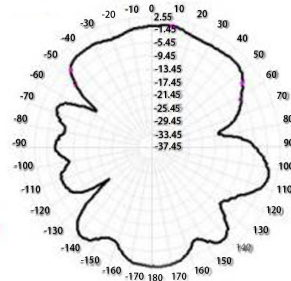
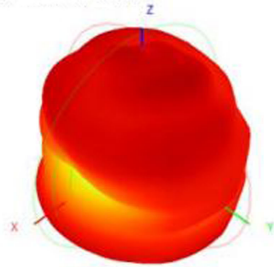
3、Return Loss



4、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.

2400.0MHz H+V, Eff : 56.7% 2400.0MHz Total(E1-XZ), Max=0.27dBi 2400.0MHz Total(E2-YZ), Max=2.55dBi Total(H-XY), Max=-1.94dBi CrD=5.96

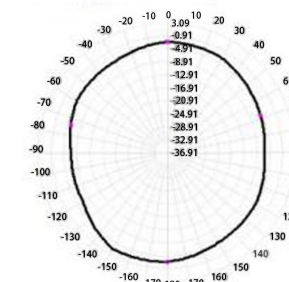
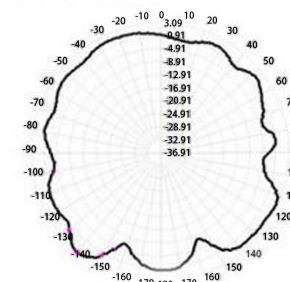
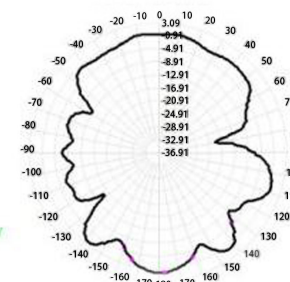
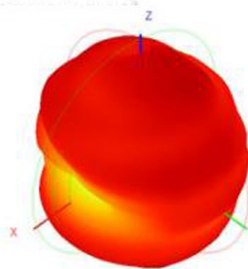


2450.0MHz H+V, Eff : 61.2%

2450.0MHz Total(E1-XZ), Max = 0.07dBi

2450.0MHz Total(E2-YZ), Max=3.09dBi

Total(H-XY), Max=-2.83dBi CrD=4.36



2500.0MHz H+V, Eff : 54.7%

2500.0MHz Total(E1-XZ), Max = 0.21dBi

2500.0MHz Total(E2-YZ), Max=2.42dBi

Total(H-XY), Max=-2.21dBi CrD=9.37

