

Shenzhen Yuan Dongli Digital Technology Co., Ltd.

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Bluetooth Antenna Sample Acknowledgement

BT Antenna Product Approval

Time: 2020-12-4

1. Introduction to Antennas

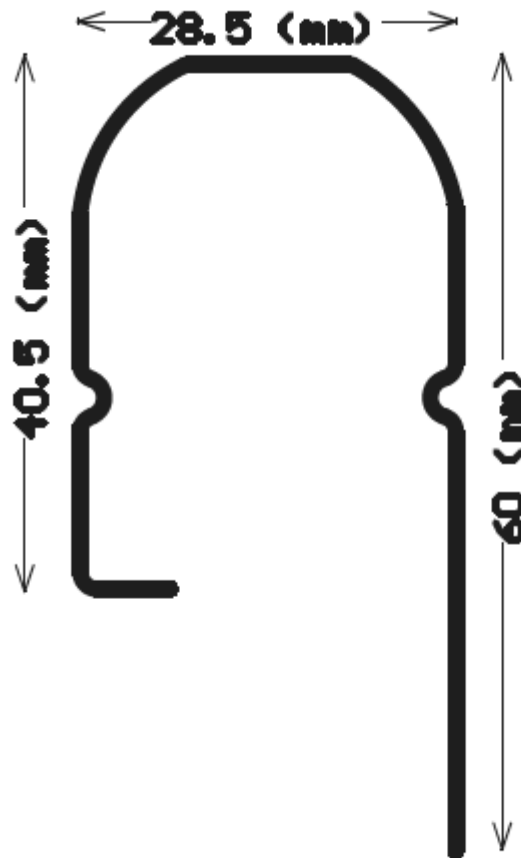
Our Bluetooth antenna is directly fabricated on a PCB board using a copper-soldered and tin-plated process. The copper foil thickness is H/HOZ, and the board is made of FR-4 material with a 1.0mm thickness.

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II. Antenna Shape

1. Dimension diagram:



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III. Antenna Parameters

Antenna center frequency: 433MHz; bandwidth: 420-446MHz; gain: 1.5dBi (omnidirectional), resonating in this frequency band. The table below lists the antenna's key parameters.

433M built-in antenna	
Frequency(MHz)	420 ~ 446 MHz
VSWR	≤ 1.92
Impedance	50 Ohm Nominal
Polarization	Vertical polarization
Power capacity	1W
Gain (Peak)	1.5dBi
Standing wave bandwidth	$\geq 26\text{MHz}$
Productiveness	$>25\%$