

Antenna Specification for Approval

Manufacturer: ShenZhen Pielinsty Technology Co., Ltd

Address: Room 401, Building 2, GaoxinJian Industrial Park, Fuyuan
1st Road, Zhancheng Community, Fuhai Street, Bao'an District,
Shenzhen

ProductName: 433 Antenna

Part NO.: C10- 35- 2.5

WriteBy: JieBin Zhuang

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<i>R& D Dept</i>	<i>Business Dept</i>	<i>Approved By</i>
<i>R& D Dept</i>	<i>Engineer Dept</i>	<i>Approval</i>
CaiHong Zhu	JieBin Zhuang	JieBin Zhuang

Antenna Dimensional Specification

The part shall comply with the following dimensional requirements:

Length (L): 30 ± 1 mm

Outer Diameter (Φ) 8 ± 1 mm

All dimensions are in millimeters unless otherwise specified.

Measurements shall be taken using calibrated measuring instruments.



Product Specification

A. Electrical Characteristics

B. Frequency 433MHz

VSWR<3.0

Efficiency >30%

Impedance 50

Ohm Polarization

Peak Gain: 1.0dBi

C. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.0 19P

Connector Type : NO

Dimension

D. Environmental

Operation Temperature - 30 °C ~ + 80

° C Storage Temperature - 30 ° C ~ + 85 ° C

Test Equipment & Conditions

1. Network Analyzers:

Agilent 8753D 5071C

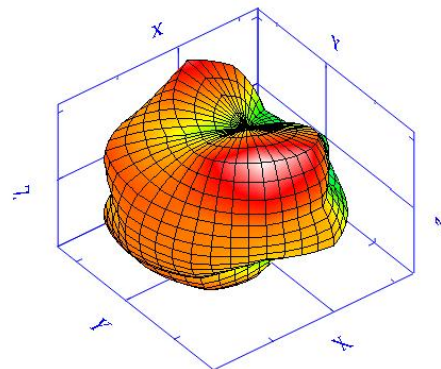
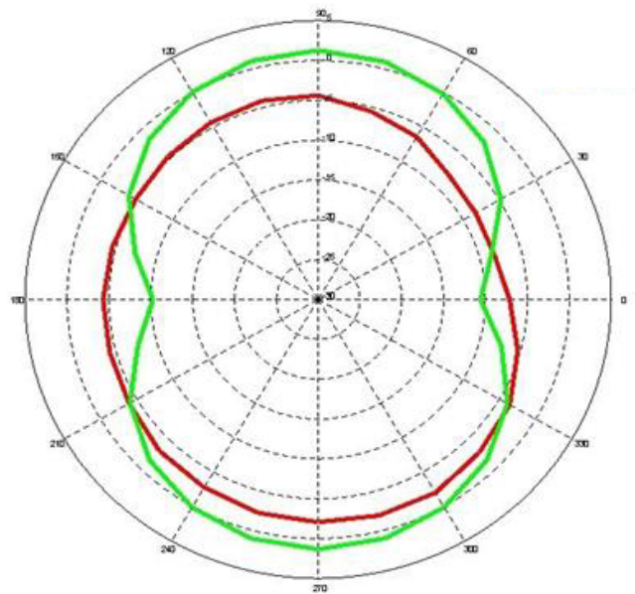
2. Communications Test Set:

Agilent E5525C

3. 3D Chamber Test System

Efficiency& Gain

Radiation Pattern:



0.52 -1.11 -2.74 -4.37 -6 -7.63 -9.25 -10.88 -12.52

Passive Test 0.433GHz		
	Vertical	Horizontal
PeakGain(dBi)	0.79	1.00
Avg.Gain(dBi)	-0.16	0.28