



Antenna Specification

Manufacture: SYL

Product Name: AXY-0529-BT 自由人吮吸 Antenna

Antenna Type: Ceramic Antenna

Test Date: 2026/3/17

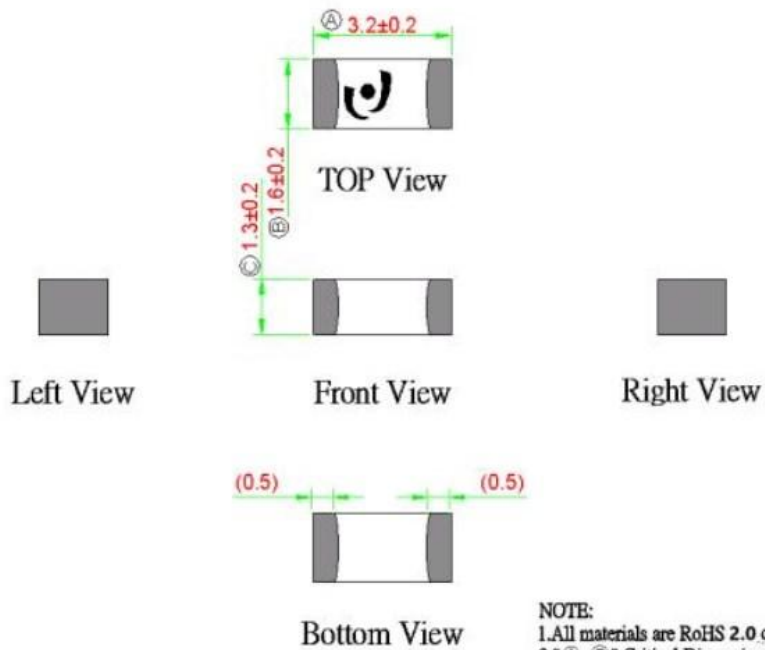
Tested by:	Checked By:	Approved By:
ChengMingWei	DuLin	QianCongGen



1. General Description

Manufacturer:	Dong Guan SYL Technology CO.,LTD
Address:	Room 203,DongHui Industrial Park,No.198 DaTang Road, DongGuan, GuangDong,China
Product Name:	AXY-0529-BT 自由人吮吸 Antenna
Product model:	AXY-0529-BT 自由人吮吸
Antenna Type:	Ceramic Antenna
Test Frequency:	2400-2500MHz
Antenna Gain:	1.6dBi
VSWR:	<2
Impedance:	50Ω
Polarization:	Linear

2. Antenna size:



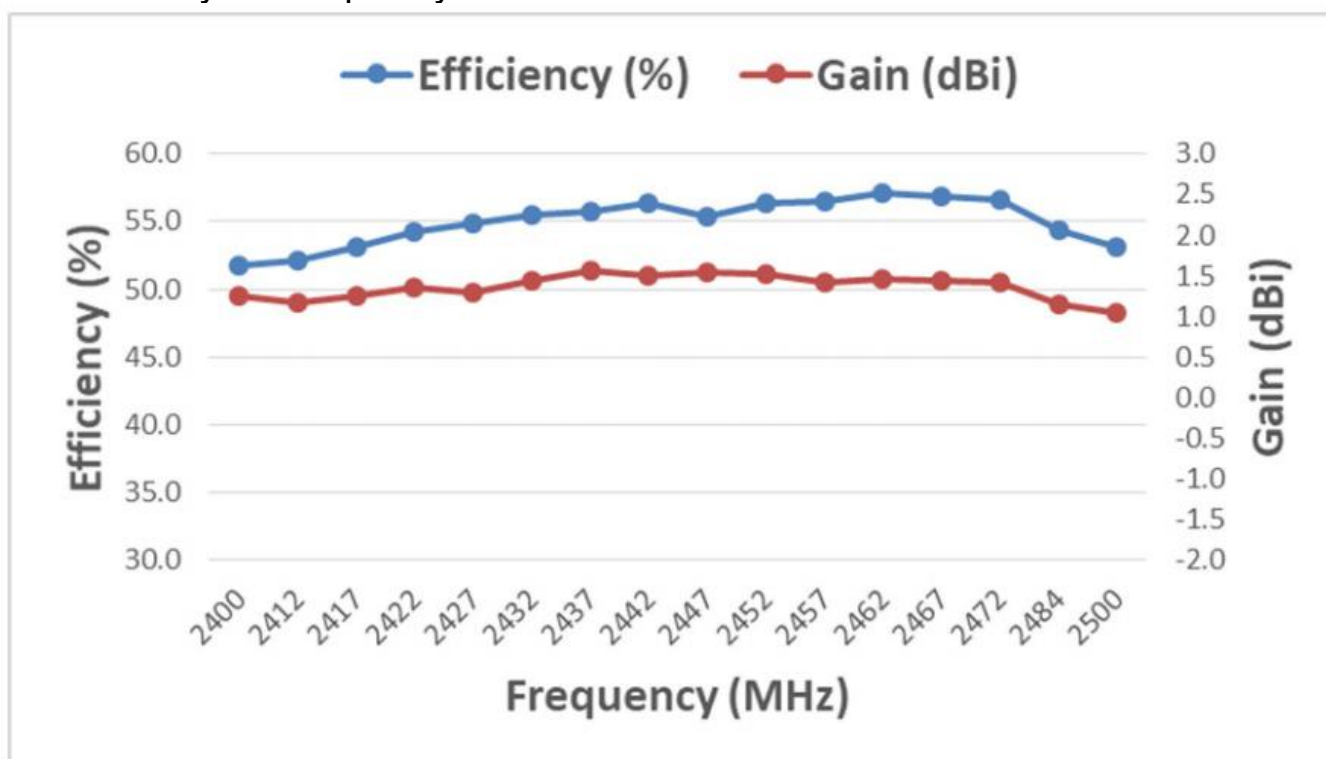
NOTE:
 1. All materials are RoHS 2.0 compliant.
 2. "A~C" Critical Dimensions.
 3. "()" Reference Dimensions.

3. Gain and Efficiency

3D Efficiency Table

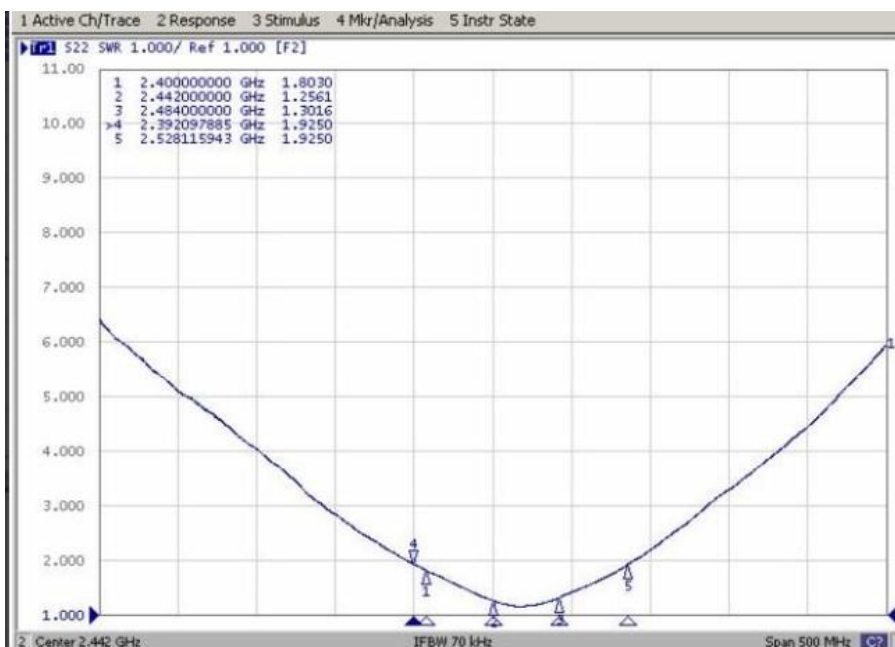
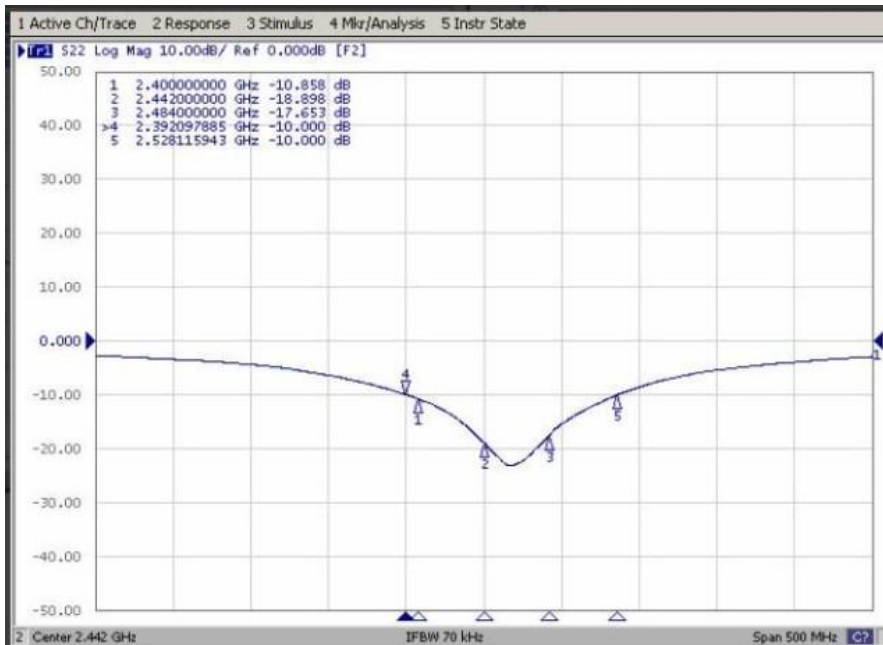
Frequency(MHz)	2400	2412	2417	2422	2427	2432	2437	2442	2447	2452	2457	2462	2467	2472	2484	2500
Efficiency(dB)	-2.9	-2.8	-2.7	-2.7	-2.6	-2.6	-2.5	-2.5	-2.6	-2.5	-2.5	-2.4	-2.5	-2.5	-2.6	-2.7
Efficiency(%)	51.8	52.1	53.1	54.3	54.9	55.5	55.7	56.3	55.4	56.4	56.5	57.1	56.8	56.6	54.4	53.1
Peak Gain(dBi)	1.2	1.2	1.3	1.3	1.3	1.4	1.6	1.5	1.5	1.5	1.4	1.5	1.4	1.4	1.2	1.1

3D Efficiency vs.Frequency



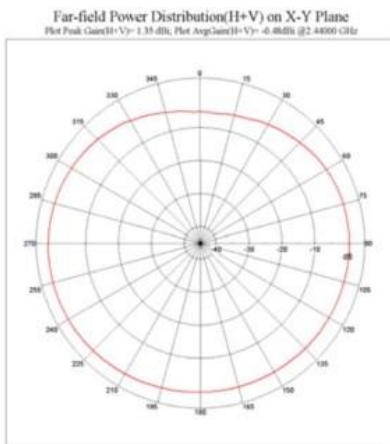


4.ReturnLoss

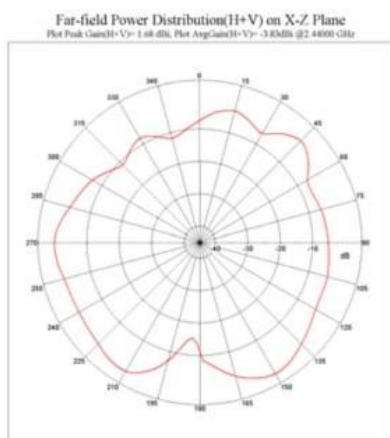




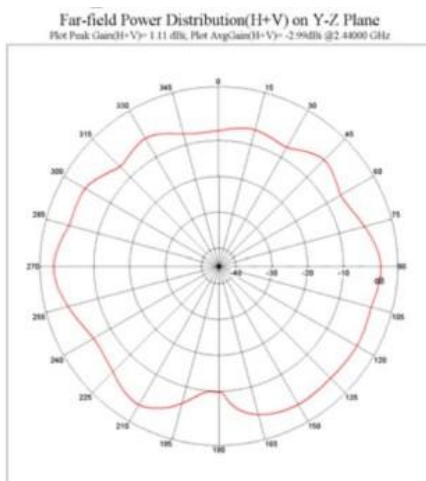
5.XY-Plane



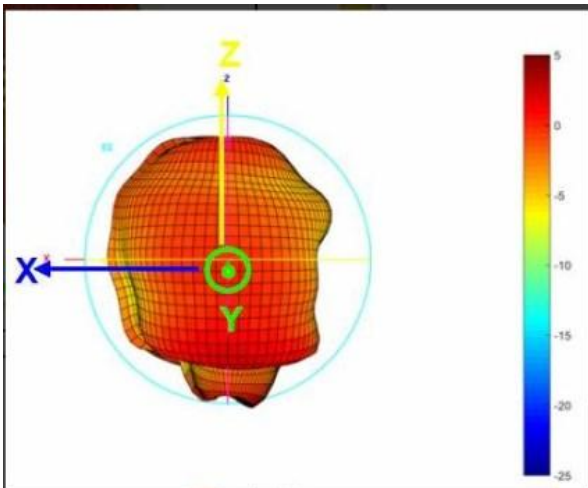
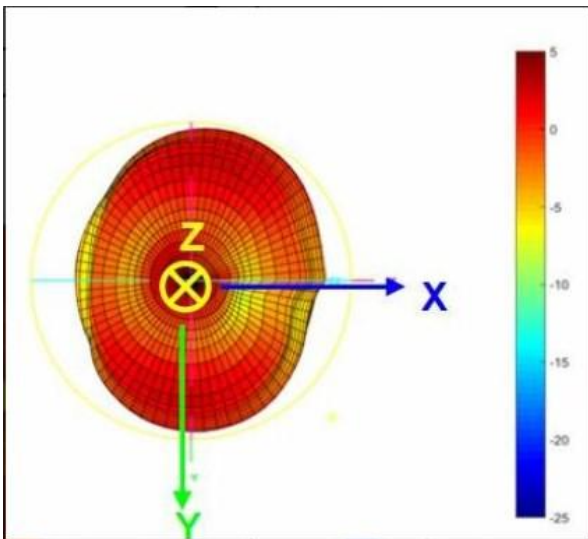
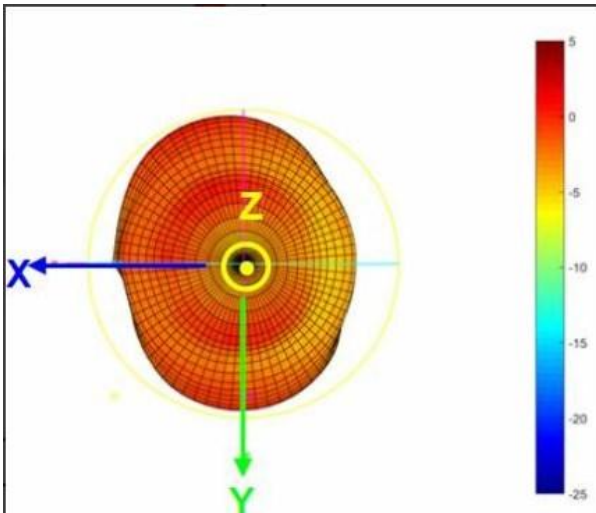
6.XZ-Plane



7. YZ-Plane



8.3D Radiation Pattern Diagram





10.Test Setup Photo

