



Shenzhen Shuodian Electronic Technology Co.,Ltd
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SPECIFICATION

for

Curtain_Pro BT Antenna

Woan Technology (Shenzhen) Co., Ltd

Customer No.

Product No.

WA-Curtain_Pro BT metal antenna

Author: XiaofengZeng Review: Liming

Release Date: 2023. 03. 20

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1. Bilateral Confirmation page

1.1 Customer signature

Customer: Woan Technology (Shenzhen) Co., Ltd

Seapartment/post	Sign	Date
Hardware Engineer/RD		
Mechanical/MD		
Project Manager/PM		
Commercial/Puchasing		
Checker		

1.2 Signature of ShuoDian Technology company

Seapartment/post	Sign	Date
Antenna Engineer/RD		
Mechanical/MD		
Project Manager/PM		
QA		
Checker		



2. General

2.1 Scope of application

This specification is only applicable to Woan technology **Curtain_Pro** 2.4G BT metal antenna

2.2 Operating temperature range

Temperature range of this product: -20 ~ +65 °C

2.3 Storage temperature range:

This product is stored at - 30 ~ + 75 °C

3. General product specifications

NO.	ITEMS	DETAILS
1	Type	Curtain_Pro
2	Operating Frequency Band	2.4~2.5GHz
3	VSWR	≤2.0
4	Gain	2.45±0.5dBi
5	Radiation Efficiency	≥50%
6	Impedance	50Ω
7	Antenna Type	Monopoly
8	Antenna composition	Metlas (White Copper)
9	Entity Picture	



4. Specification Detials

4.1 Mechanical Properties

4.11 Product Composition:

No.	Material	Size (MM)
1	Metals (White Copper)	23.16*9.25 Thick 0.3mm

4.12 Apperance

Good appearance without scars 、 dirts、 protuberances, etc.

4.13 Antenna Picture and Structure Dimension

Refer to product drawings:

Product drawings:



4.2 Electric Performance

4.21 Test condition

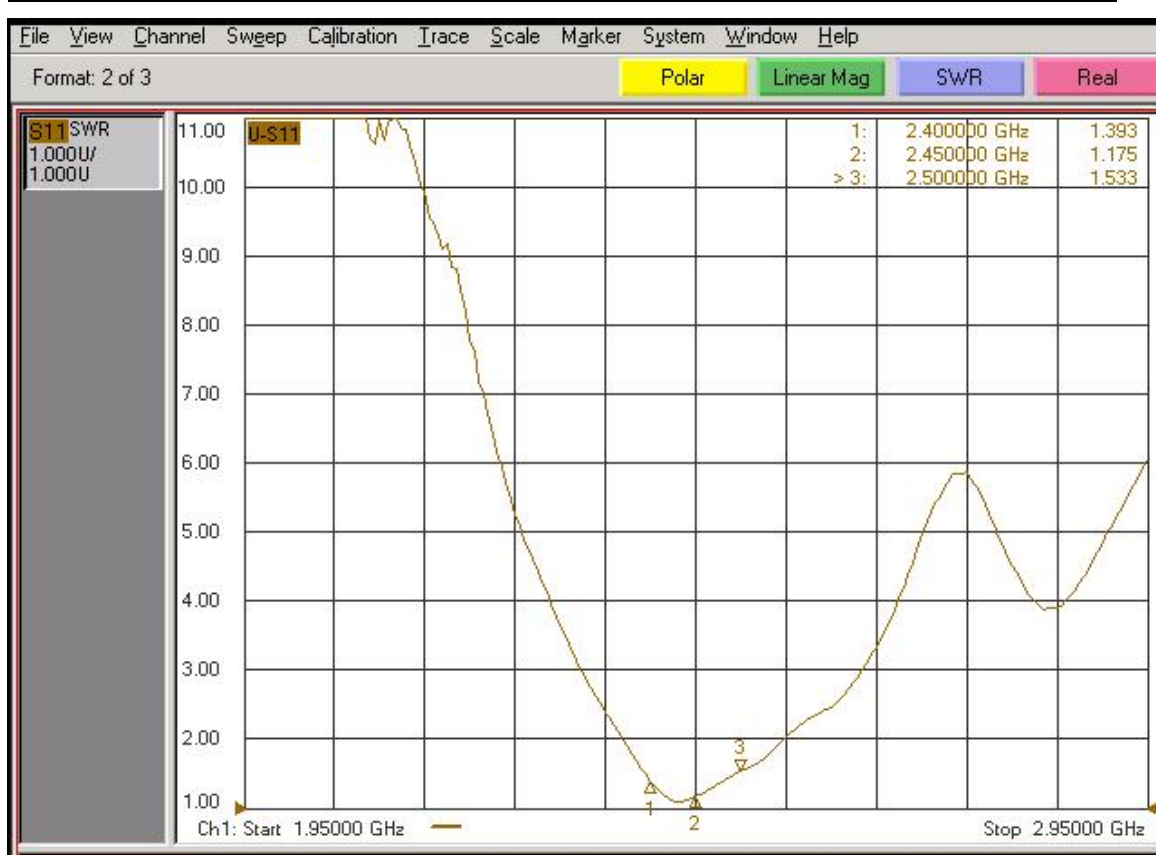
Environment:	Equipment:
Temperature: 10℃——+30℃	Network Analyzer: Agilent E8358A
Humidity: ≤80% (+40℃)	Anechior Chamber: ETS
Atmospher: 750mmkg±30mmkg	

4.22 Test Data for Electrical Performance:

4.22.1 S11 of the Antenna:

Marker	2400MHz	2450MHz	2500MHz
Returnloss	-15.54	-22.28	-13.78
VSWR	1.39	1.17	1.53



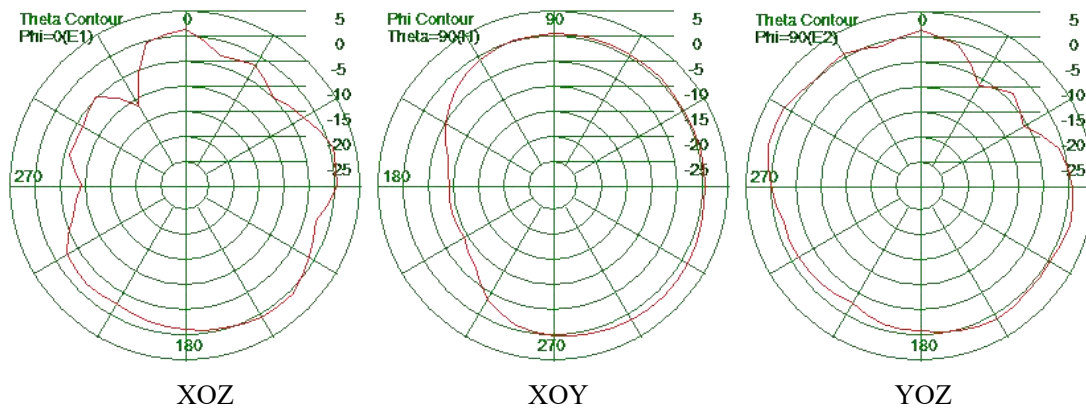
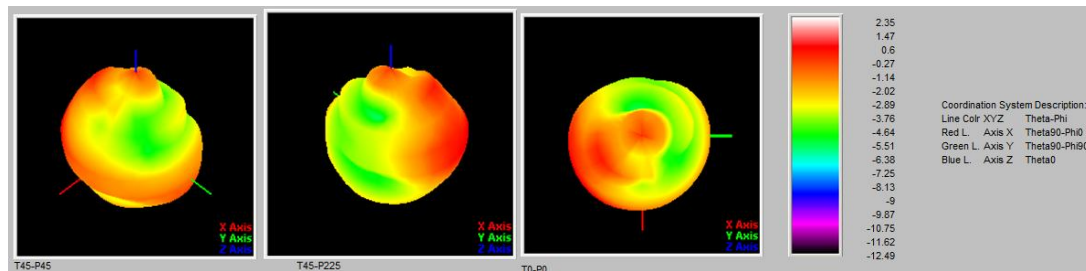


4.22.2 Passive gain、 efficiency and Radiation Pattern:

Freq. (MHz)	Gain (dBi)	Efficiency (%)
2400.0	2.54	66.6
2410.0	2.32	63.2
2420.0	2.33	62.8
2430.0	2.20	60.9
2440.0	2.31	61.4
2450.0	2.35	62.3
2460.0	2.44	63.6
2470.0	2.43	63.7
2480.0	2.45	63.9
2490.0	2.40	63.8
2500.0	2.21	62.5



4.22.3 Radiation Pattern @2450MHz





5. Product Packaging

Manner of packing:

Packed in self sealed bags, 200 pcs each.

6. Document Resume

Document No.	
Release Date	2023/03/20
Author	XiofengZeng
Review	LiMing

Revised History

Date	Version	Revised Record
2023/03/20	1.00	New Project