



Shenzhen Shuodian Electronic Technology Co.,Ltd
Page number 1-12

SPECIFICATION

for

5DB glue stick 2.4/5.8G WIFI antenna

Customer No.

400104690

Product No.

SD0604-2.4~5.8G white blade rubber rod antenna

Author: XiaofengZeng Review: Liming

Release Date: 2025.5.22

ShenZhen Shuodian Electronic Technology Co., Ltd

Room 201, Building 2, Nantaiyun Chuanggu Park, Tangwei Community, Fenghuang Street,
Guangming District, Shenzhen City, Guangdong Province

E-mail: sz_shuodian@163.com

Tel: 0755-86006322

Fax: 0755-86006323

Shenzhen Shuodian Electronic Technology Co.,Ltd



Contents

SPECIFICATION	1
SHENZHEN SHUODIAN ELECTRONIC TECHNOLOGY CO., LTD	1
CONTENTS	2
1. BILATERAL CONFIRMATION PAGE	3
2. GENERAL	4
3. GENERAL PRODUCT SPECIFICATIONS	4
4. SPECIFICATION DETIALS	5
4.1 MECHANICAL PROPERTIES	5
4.2 ELECTRIC PERFORMANCE	7
5. PRODUCT PACKAGING	11
6. DOCUMENT RESUME	12



1. Bilateral Confirmation page

1.1 Customer signature

Customer:

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 5DB glue stick 2.4/5.8G WIFI 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	glue stick WiFi antenna
2	Operating Frequency Band	2400-2500MHz & 5100-5900MHz
3	VSWR	≤2.0
4	GAIN	5dBi
5	Impedance	50Ω
6	Antenna Type	glue stick WiFi antenna
7	Antenna composition	External antenna of glue rod
8	Entity Picture	



4. Specification Detials

4.1 Mechanical Properties

4.12 Apperance

Good appearance without scars 、 dirt、 protuberances, etc.

4.13 Antenna Picture and Structure Dimension

Productdrawings:



4.2 Electric Performance

4.21 Test condition

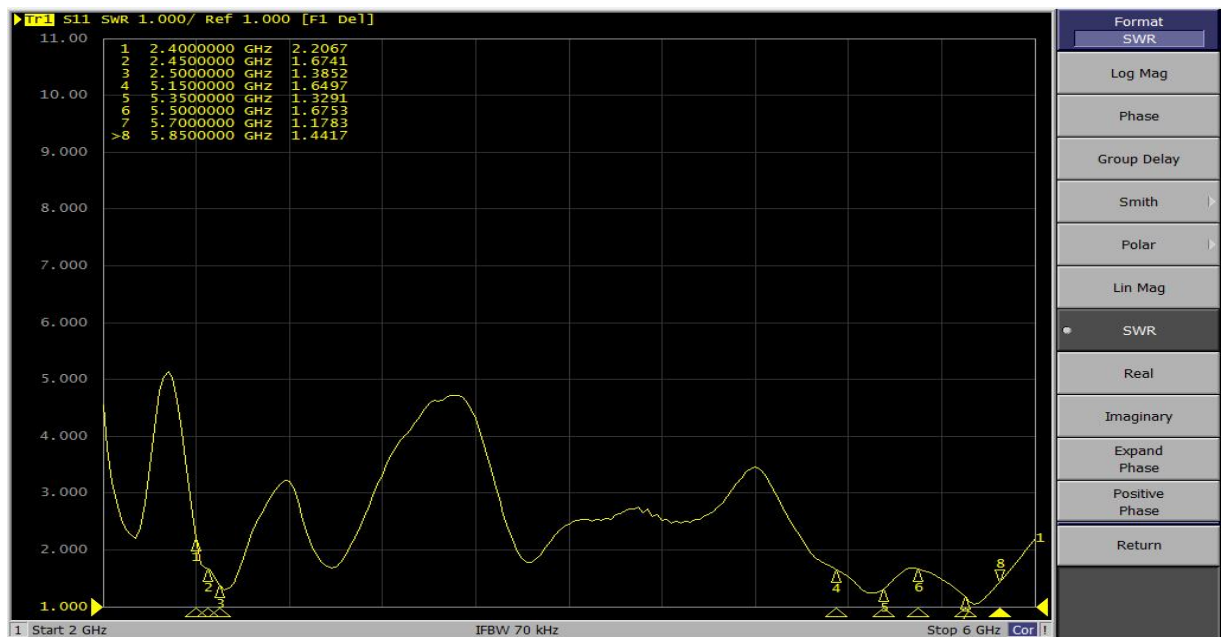
Environment:	Equipment:
Temperature: 10℃——+30℃	Network Analyzer: KEYSIGHT E5071C
Humidity: ≤80% (+40℃)	Multi-probe microwave anechoic
Atmospher: 750mmkg±30mmkg	chamber

4.22 Test Data for Electrical Performance:

4.22.1 S11 of the Antenna:

Marker (MHZ)	2400	2450	2500	5150	5350	5500	5700	5850
Return loss	-8.49	-12.24	-15.31	-12.29	-16.94	-12.03	-21.64	-14.75
VSWR	2.20	1.67	1.38	1.64	1.32	1.67	1.17	1.44





E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State



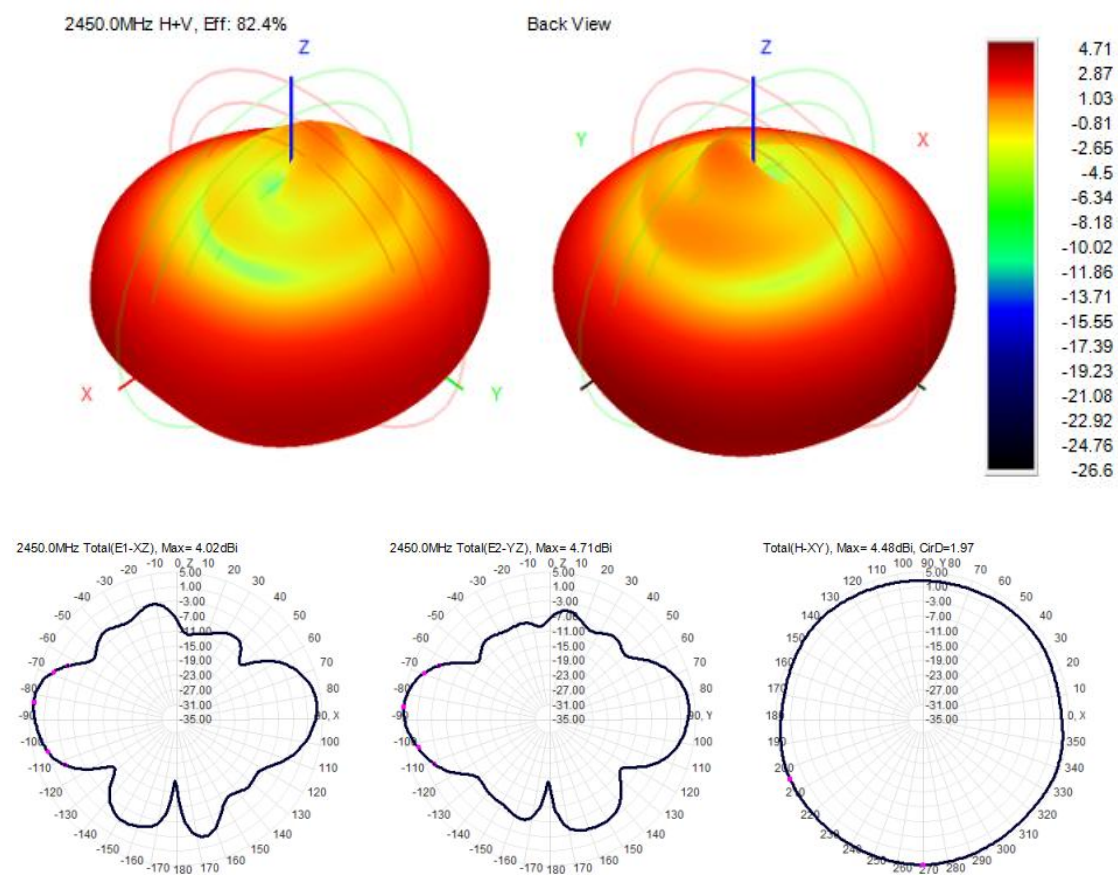


4. 22. 2 Passive gain、 efficiency and Radiation Pattern:

Marker (MHz)	2400	2450	2500	5150	5350	5510	5710	5850
Gain (dBi)	4.26	4.71	4.30	3.96	4.60	4.26	3.43	2.90
Efficiency (%)	81.84	82.37	75.09	66.46	64.36	60.19	66.62	58.28

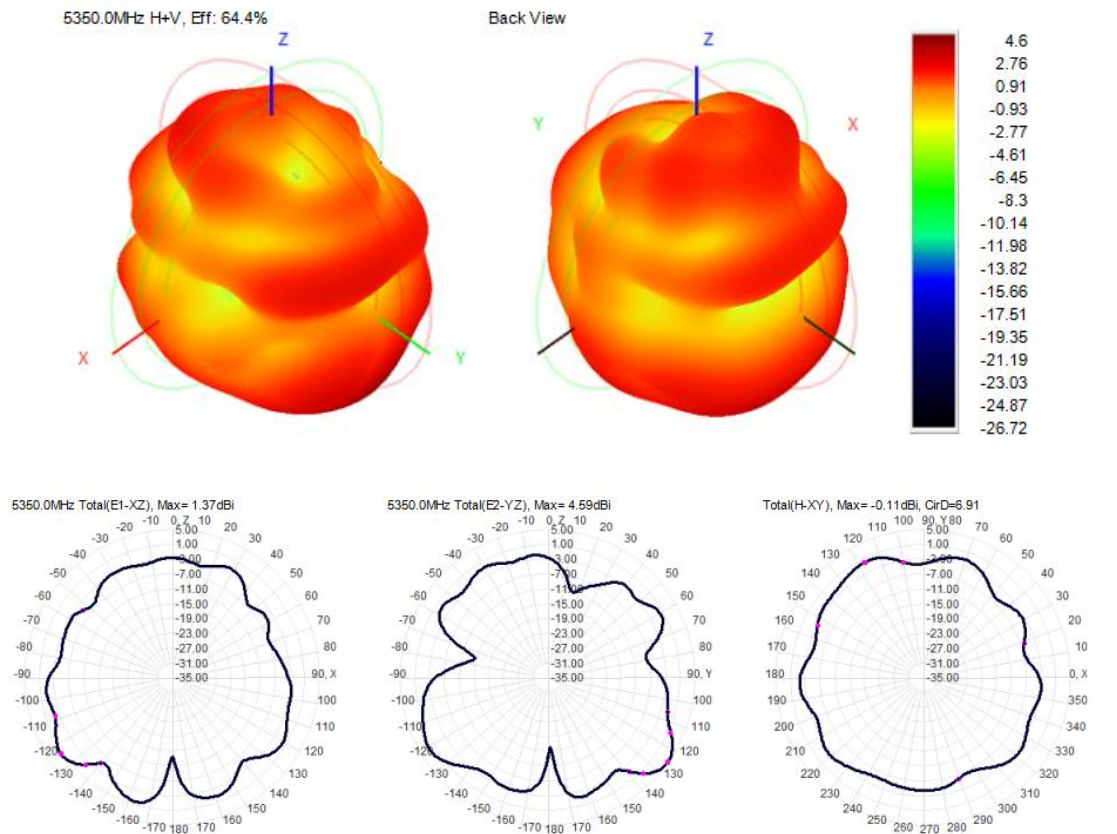
Radiation Pattern 2450MHz

@2450MHz

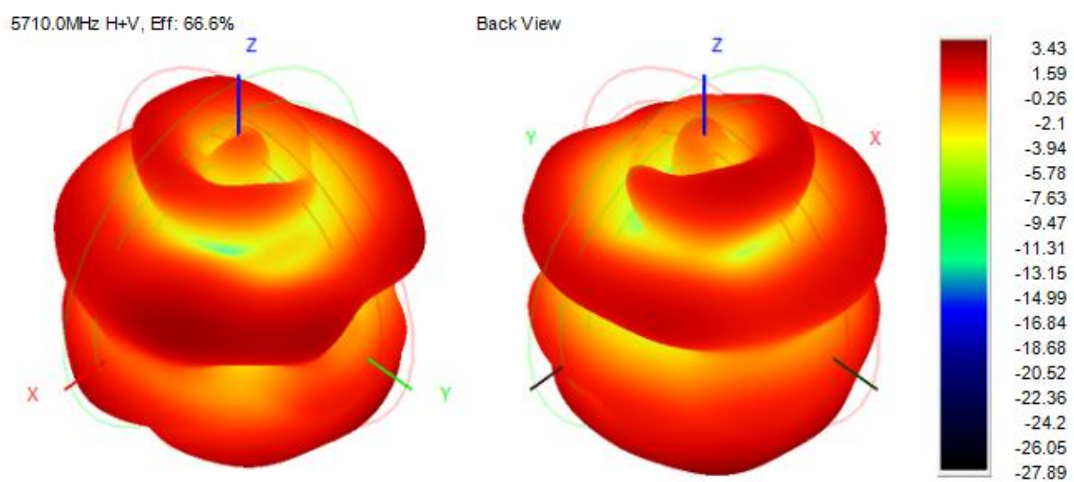


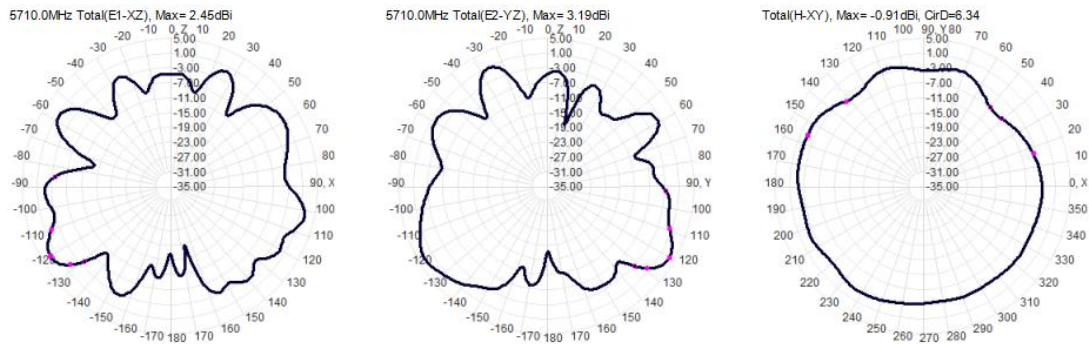


5350 MHz:



5710 MHz:





5. Product Packaging

Manner of packing:

Packed in self sealed bags, 100 pcs each.



6. Document Resume

Document No.	
Release Date	2025/5/22
Author	XiofengZeng
Review	LiMing

Revised History

Date	Version	Revised Record
2025/5/22	1.00	New Project