

name of the supplier	Huaian Dingze Electronic Technology Co LTD
name of the material	WiFi Double frequency glue stick antenna
Part Number	AR2458-109SMA

Antenna specification

一、Summary

This antenna is a WiFi dual band terminal glue stick antenna, and its working frequency is 2400-2500MHz/5150-5850MHz. It is widely used in WiFi products, Bluetooth headsets and audio, PAD, mobile phone multifrequency antennas, and various terminal devices. It adopts a small volume and bendable design, which can provide good data transmission and communication functions.



二、Technical Requirement

2.1 Antenna Index

	Technical requirement	Technical indicators
1	Operating frequency	2400-2500MHz/515-5850MHz
2	Max Antenna gain	3.0dBi
3	Polarization mode	Linear polarization(LP)
4	output VSWR	< 2.0
5	Output impedance	50Ω

2.2 Environmental Adaptability

1	Operating temperature	-40°C ~ +65°C
2	Storage temperature	-55°C~ +85°C
3	relative humidity	10%~95%

2.3 Mechanical Properties

1	Antenna size	Φ10*109mm, See Fig. 1 Reference Dimension of Antenna
2	Antenna weight	10g
3	Output connector	SMA-J
4	Shell color	ABS, black

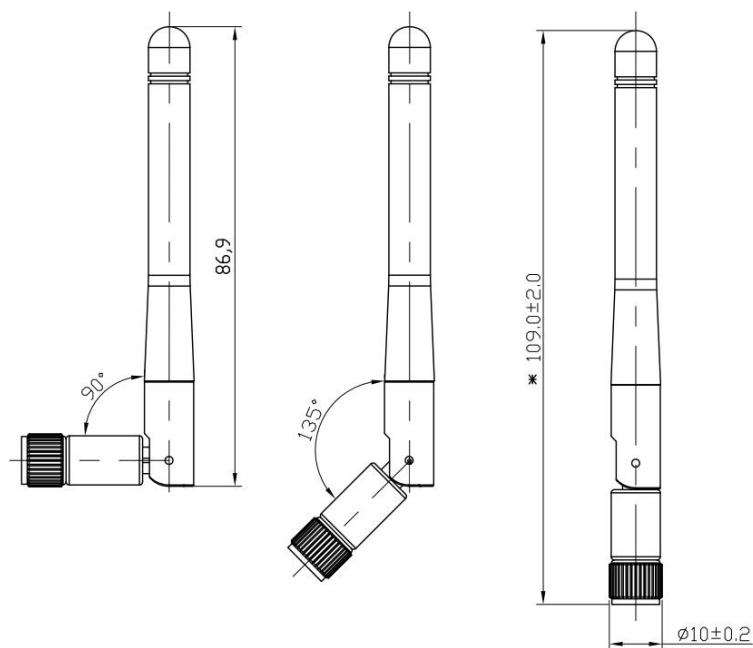
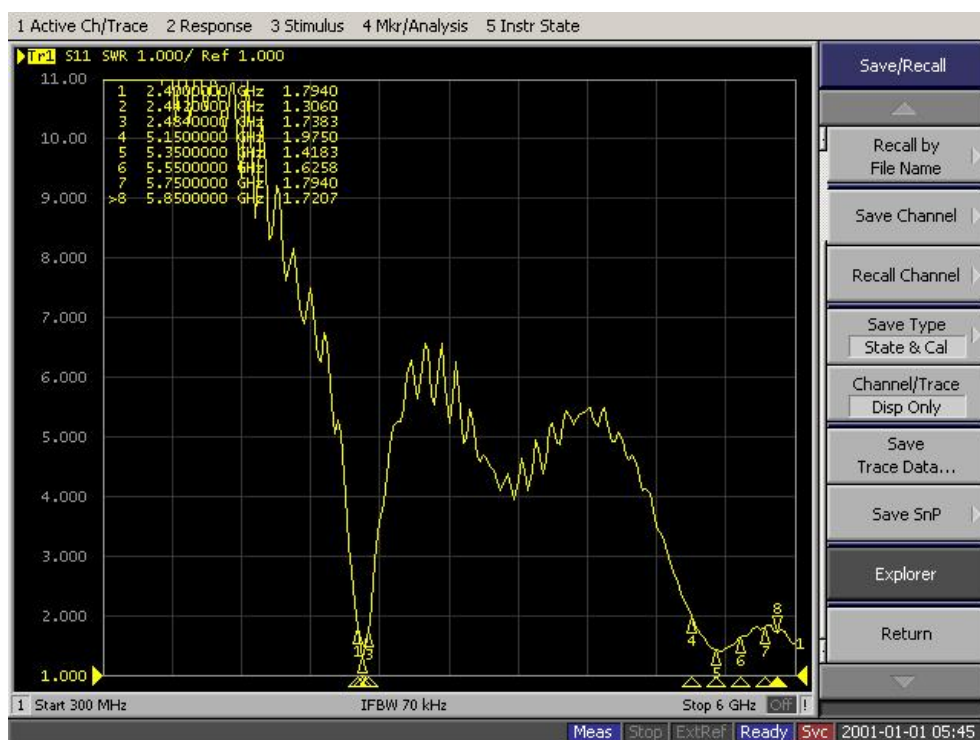


Figure 1 Outline Dimension of Antenna

≡ Test Data

3.1 VSWR



3.1 Antenna gain and pattern

Frequency ID	1	2	3	4	5	6	7
Frequency (MHz)	2400	2420	2440	2460	2480	2500	AVG
Gain (dBi)	2.76	2.84	2.93	3.0	2.97	2.84	2.89
Efficiency (%)	60.95	56.53	56.15	52.82	52.09	57.64	56.02

Frequency ID	1	2	3	4	5	6	7	8	9
Frequency (MHz)	5150	5250	5350	5450	5550	5650	5750	5850	AVG
Gain (dBi)	2.65	2.86	2.95	3.0	2.99	2.91	2.84	2.76	2.87
Efficiency (%)	45.34	46.10	46.34	46.28	57.73	66.85	75.97	75.09	57.46

Antenna pattern (3D) :

