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Product specifications acknowledgment

Product model:

N0902

Product name:

SMT Dual-frequency antenna 2/5G

Specification
description:

SMT Dual-frequency antenna 2/5G
Dimensions:L:11.3*W:7.8*H:3.2mm T:0.4mm
Material:SUS304+NI F00902000182 Hanyang

Part number:

F00902000182

declare

The product used in this document is a built-in steel antenna.

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Shenzhen Hanyang Antenna Design Co., LTD Provide a full range of technical support, if you have any questions about this document, please contact our business manager or send an email to the following email address: liuzhigao@hyantenna.com

Web: <http://www.hyantenna.com/>

Contents

1 .Product parameters.....	4
2 .Antenna Passive Parameters.....	5
2.1 Return Loss.....	5
2.2 Return Loss & Isolation.....	5
2.3 Passive Test Data.....	6
2.3.1 WIFI Antenna.....	6
2.4 Antenna Direction Diagram.....	7
2.4.1 WIFI Antenna.....	8
3 .Antenna structure drawing.....	9

About This Document This document describes the basic information, parameters, and features of an internal steel antenna.

Revision record

edition	date	alter	author
1.0	2023-06	Initial release	Zhiqi liu

1 .Product parameter

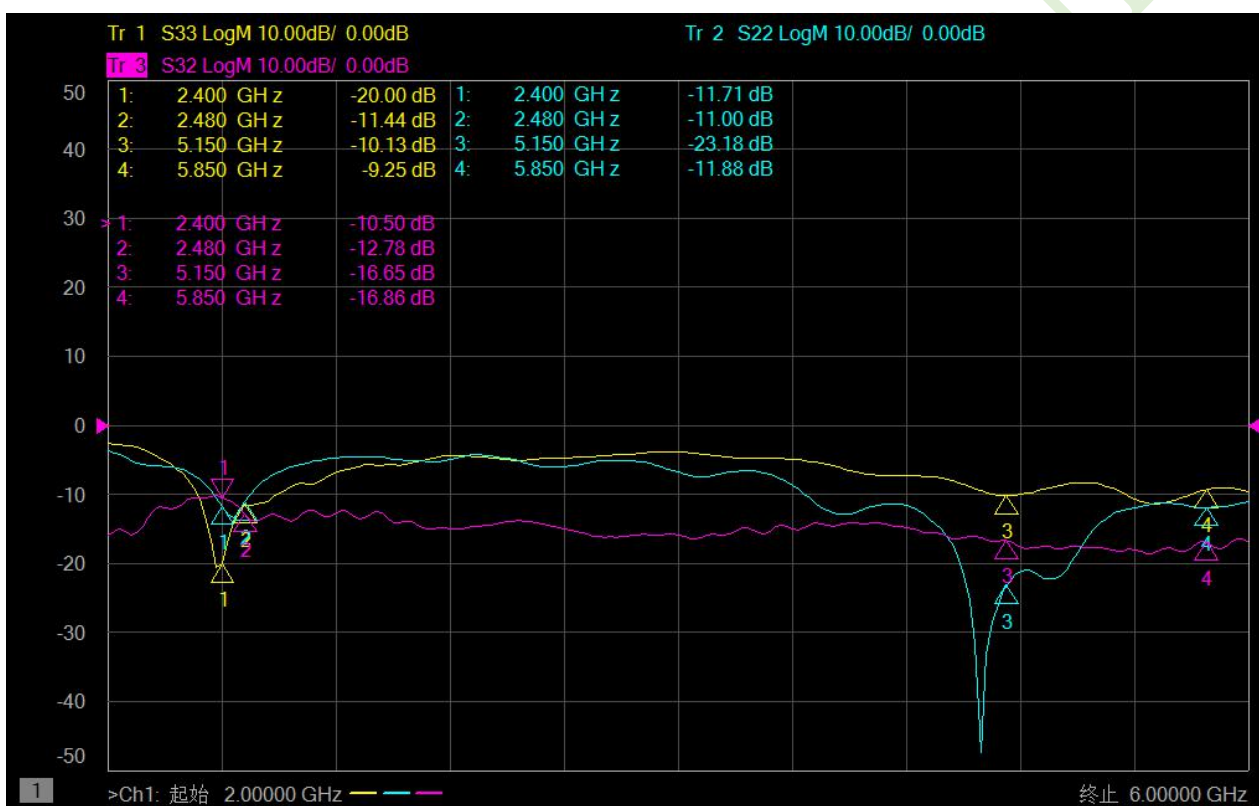
Name	SMT Dual-frequency antenna	Model Type	N0902
Frequency Range	2400-2500MHz/5150-5850MHz	Dimensions	3.9*11.3mm
VSWR	/	Connector model	/
Impedance	50Ω	Radome Color	/
Polarization	Linear polarization	Cable Length	/
Radiation	omnidirectional	Working Temperature	-40° -- +85°

2 .Antenna passive parameters

2.1 Return Loss

Frequency point (MHZ)	2400	2500	5150	5850
WIFI loss (RL)	-20.00	-11.44	-10.13	-9.25

2.2 Return Loss & Isolation



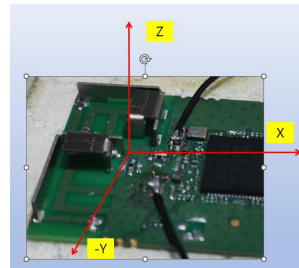
2.3 Passive test data

2.3.1 WIFI antenna

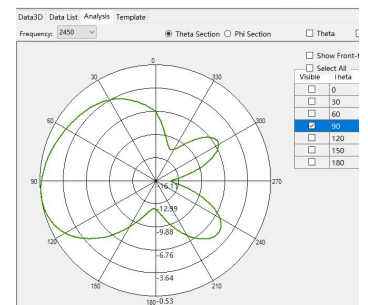
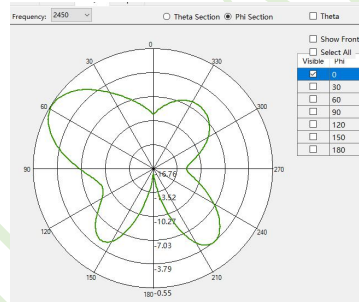
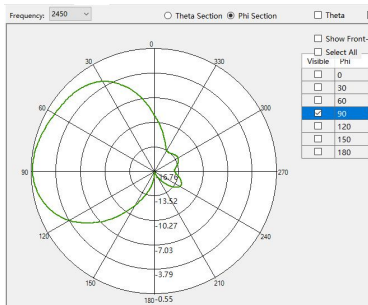
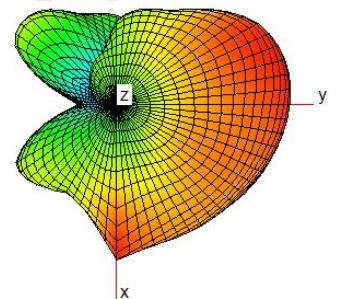
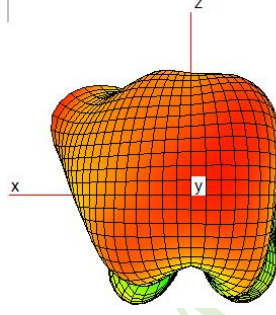
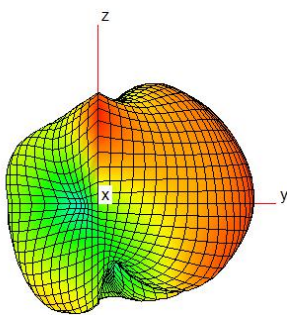
Freq	Efficiency	Efficiency_	Gain
2400	-5.13	30.69	-2.47
2420	-5	31.59	-2.44
2440	-4.92	32.21	-2.37
2460	-4.94	32.05	-2.46
2480	-4.96	31.9	-2.49
5150	-3.75	42.15	0.05
5350	-3.94	40.38	0.03
5500	-4.02	39.62	-0.3
5650	-3.34	46.34	0.46
5850	-3.38	45.94	-0.11

2.4 Antenna pattern

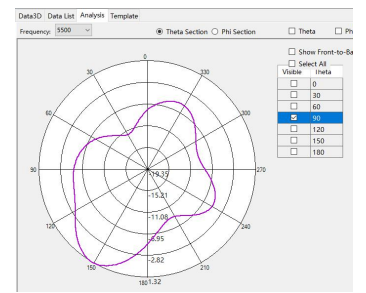
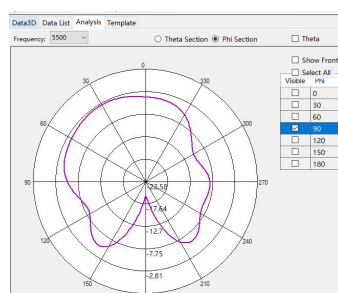
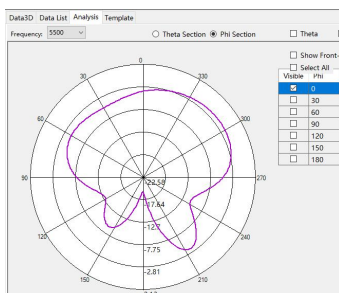
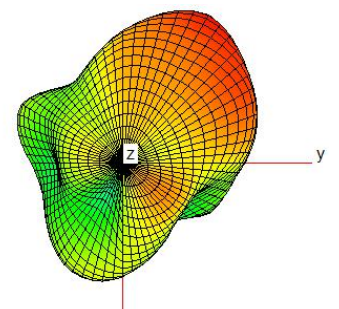
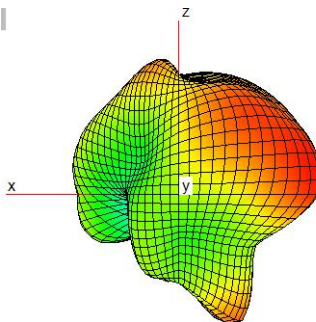
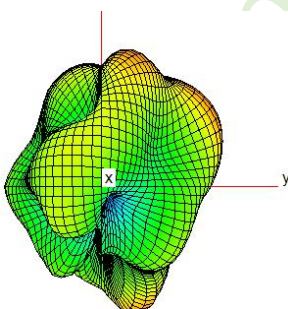
2.4.1 WIFI antenna



2450MHz



5500MHz



3 .Antenna size

