



Etheta Communication Technology(Shenzhen)CO.,Lt

Customer : Thundercomm Technology Co., Ltd

Model : Rel-WIFI Antenna

Project Code: RD1202404NB87-2

Date : 2025/01/02

3rd Floor, Area B, Baisha Technology Industrial Park, No. 3011, Shahe West Road, Nanshan District, Shenzhen City

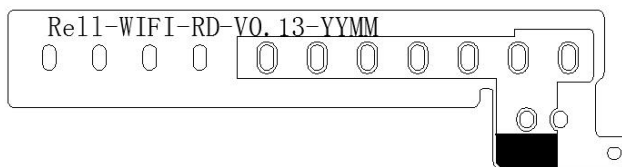
Telephone : 0755-2662 5028 FAX : 0755-2662 4118



Revision	Date	Change Notification	Description
R:A	2025. 01. 02	Original	

Specification parameters

Sample Photo



1. Electrical Characteristics

Frequency	2400-2500MHz; 5150-5850MHz
Gain	>-3.5 dbi
Polarization	vertical
Impedance	50 Ohm

2. Material & Mechanical Characteristics

Material of Radiator	FPC
Material of Plastic	FPC

3. Environmental

Operation Temperature	- 40 °C ~ + 65 °C
Storage Temperature	- 40 °C ~ + 80 °C
Antenna Color Storage life	< 2 year

Performance data

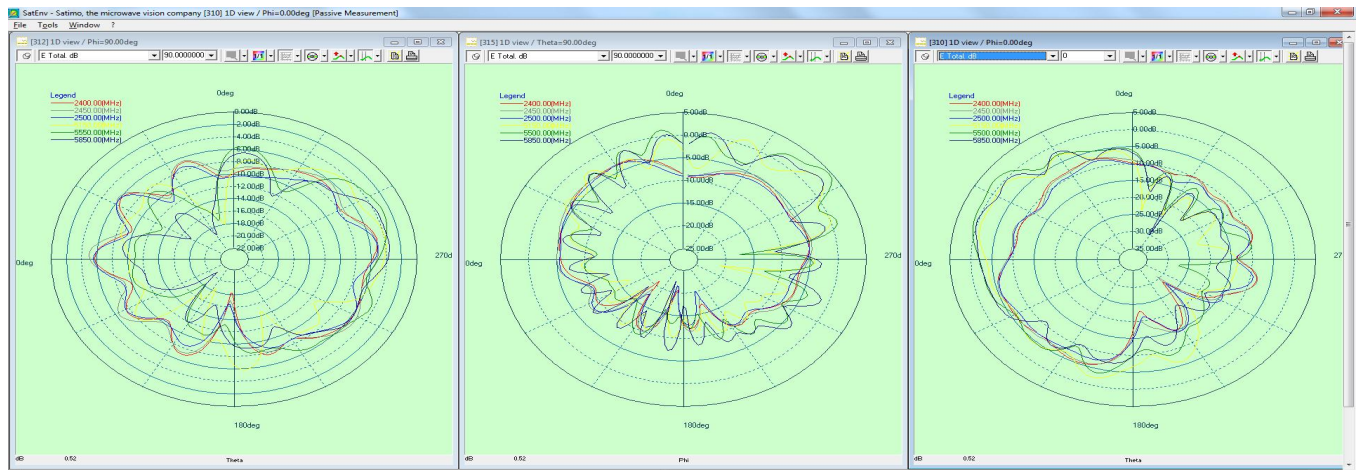
Test devices: SATIMO SG24

Antenna efficiency and gain:

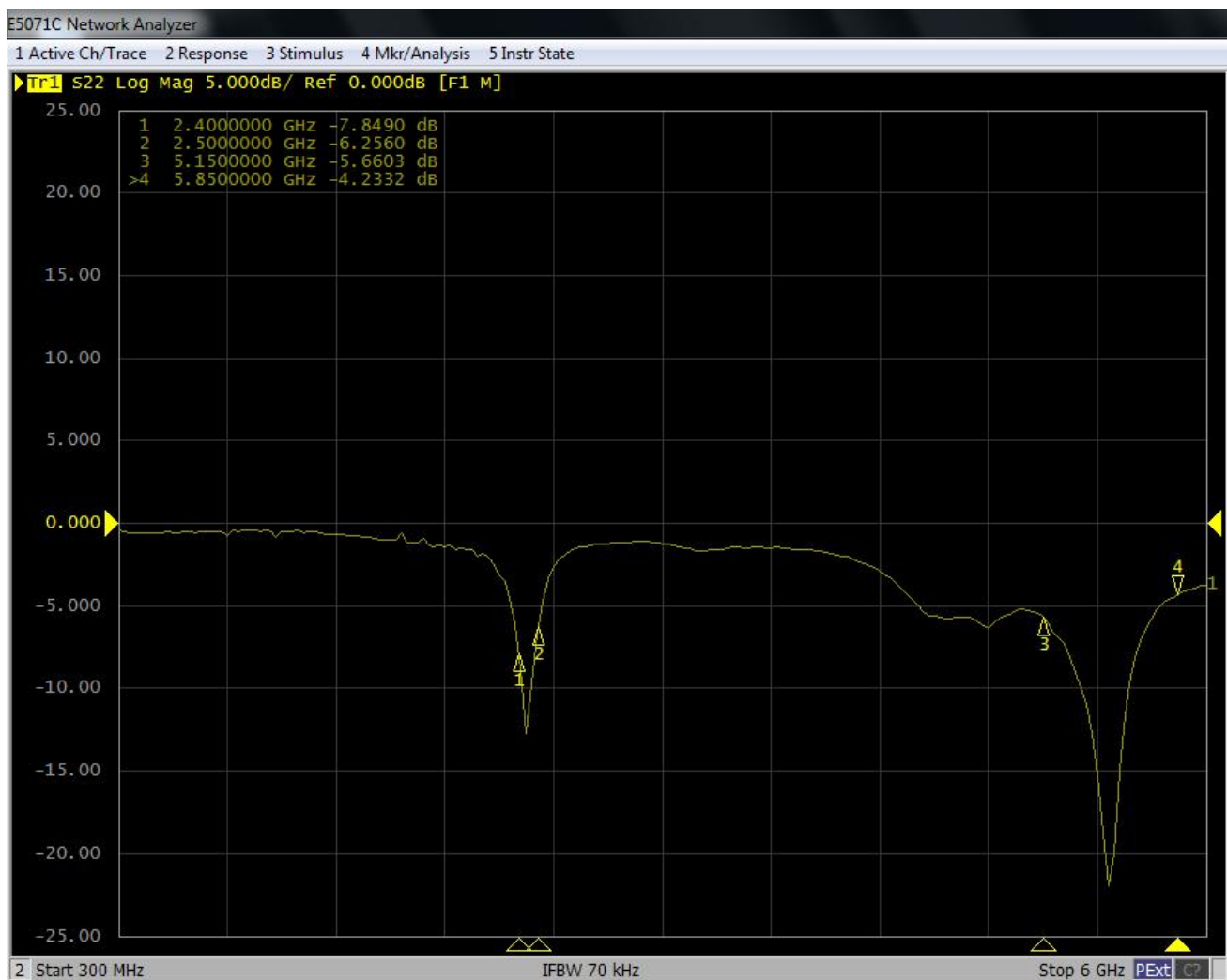
f(MHz)	E (%)	E (DB)	Peak Gain
2400	17%	-7.72	-3.26
2410	17%	-7.64	-3.14
2420	20%	-7.10	-2.36
2430	19%	-7.11	-2.23
2440	19%	-7.28	-2.34
2450	18%	-7.40	-2.55
2460	18%	-7.39	-2.55
2470	18%	-7.54	-2.80
2480	17%	-7.81	-3.02
2490	16%	-8.02	-3.14
2500	15%	-8.15	-3.20

f(MHz)	E (%)	E (DB)	Peak Gain
5150	10%	-10.06	1.52
5200	11%	-9.47	1.68
5250	13%	-8.98	1.72
5300	15%	-8.24	1.88
5350	15%	-8.24	1.84
5400	18%	-7.45	1.59
5450	19%	-7.20	1.72
5500	22%	-6.67	2.30
5550	23%	-6.43	3.41
5600	24%	-6.28	3.64
5650	22%	-6.57	2.92
5700	21%	-6.84	2.33
5750	20%	-6.99	1.66
5800	19%	-7.15	1.90
5850	20%	-6.92	1.22

2D Radiation Patterns:



Electrical Characteristics



Antenna Drawing

