
Kunshan Innowave Communication Technology Co., Ltd.

Antenna Specification Sheet

2026/1/8

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Version Revision History:

Version	Editor	Date	Revision History
T01	Guanjiahao	January 8, 2026	First edition

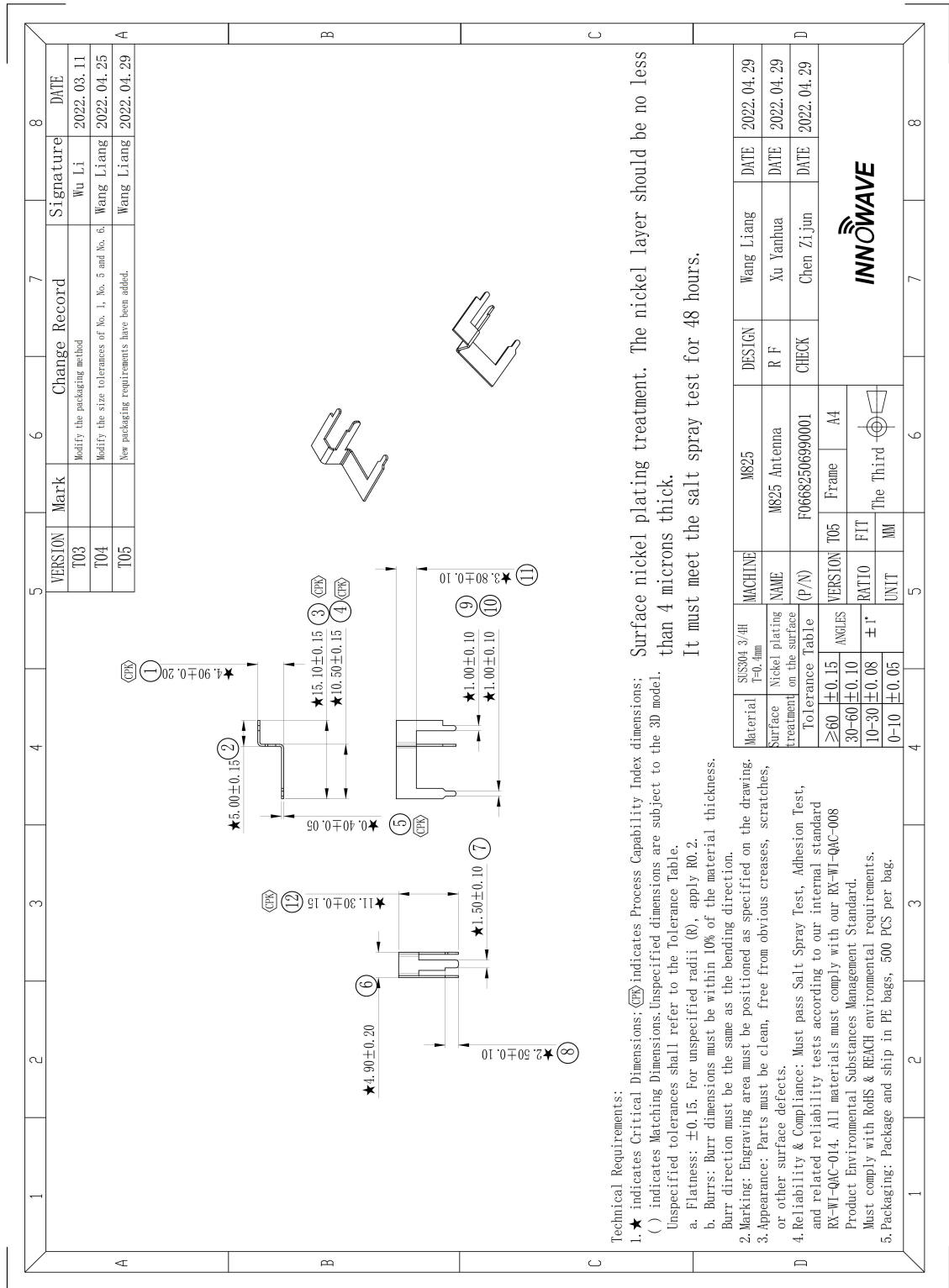
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1 Specification Sheet

Main Product Specifications	
Manufacturer internal model	F06682506990001
Category	Built-in antenna
Frequency band	2400~2500MHz
Form	Stamped metal antenna
Polarization	Linear polarization
standing wave	<2.0@2400~2500MHz
Efficiency	>30%@2400~2500MHz
Gain	-0.46dBi@2400~2500MHz
Directional map	See the report
Connector Type	Not involved
Joint Attributes	Not involved
Active/Passive	Passive, see table data
Antenna size	15.10mm*11.30mm*4.90mm
Feeder type and size	Not involved
Feeder Loss	Not involved
Operating Temperature	-40~80°C
Power capacity	1w
High and low temperatures	-40~80°C
Remarks	None

2 2D Product Diagram



3 Performance Test Report

3.1 Equipment List

Device Name	Manufacturer	Model	Serial number	Calibration Date	Expiration Date
Anechoic chamber	GTS	RayZone 1800	CT10114450A2045	2025/12/01	2025/12/31
Network analyzer	Keysirht	E5071C	MY46528315	2025/12/01	2025/12/31

3.2 Test Configuration Diagram

None

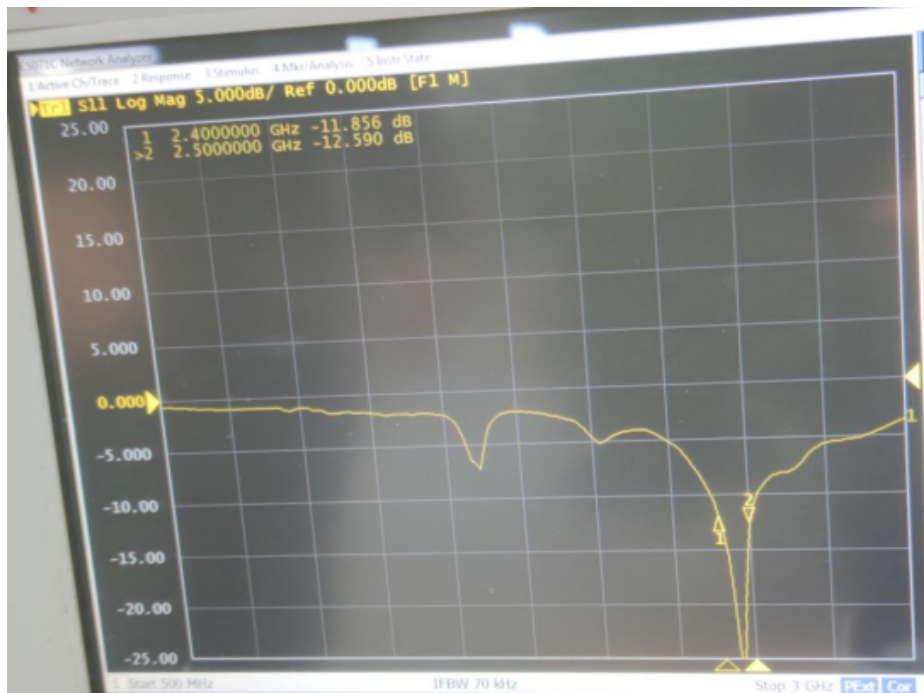
3.3 Passive testing

3.3.1 Equipment layout diagram (can be provided as a separate attachment if there are special circumstances)

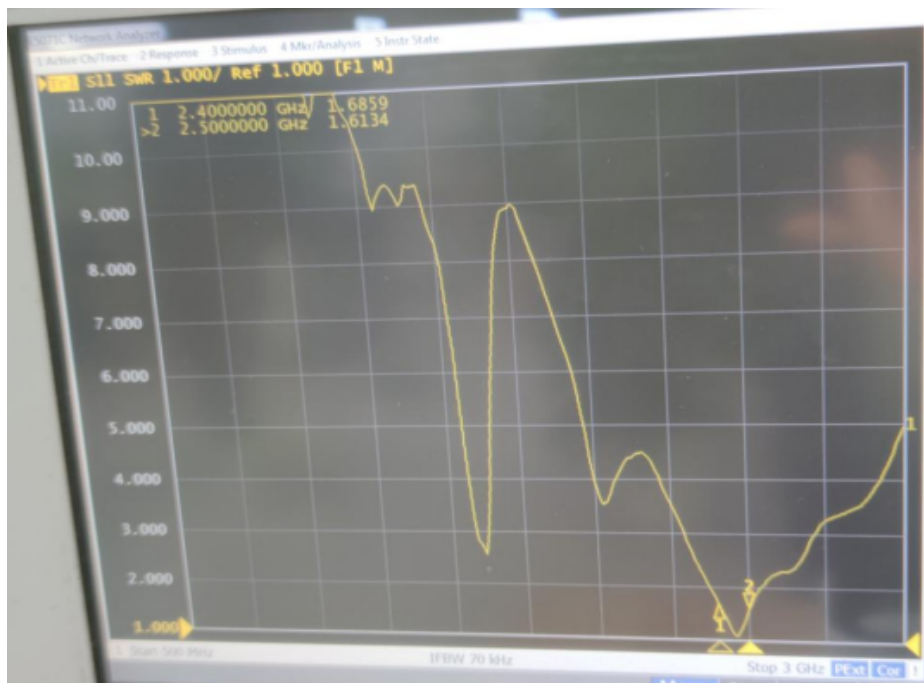
None

Return Loss & VSWR

S11 Diagram :



SWR Diagram :

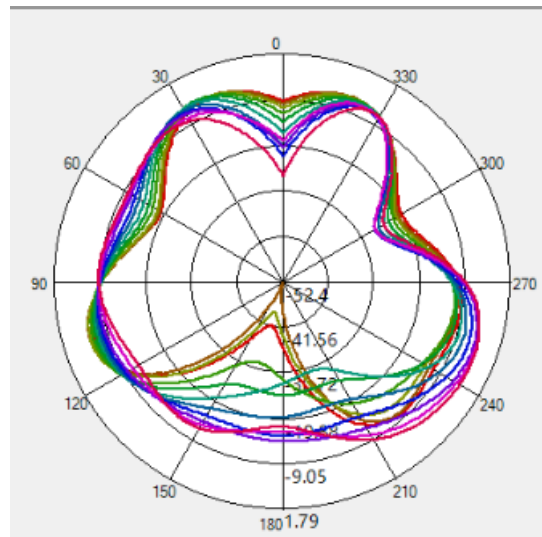


3.3.1.1 Efficiency & Gain

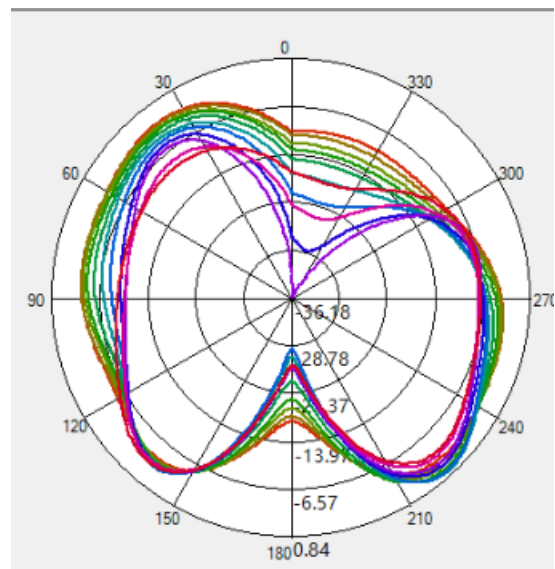
Freq (MHz)	Effi (dB)	Effi (%)	Gain (dBi)
2400	-4.22	37.88	-0.56
2410	-4.13	38.63	-0.63
2420	-4.18	38.24	-0.88
2430	-4.12	38.72	-0.76
2440	-4.34	36.80	-0.96
2450	-4.52	35.34	-1.33
2460	-4.64	34.35	-1.26
2470	-4.91	32.29	-1.09
2480	-4.95	31.98	-0.72
2490	-5.22	30.09	-0.67
2500	-5.18	30.36	-0.46

3.3.1.2 2D directional diagram(all gain units in the figure are in dBi)

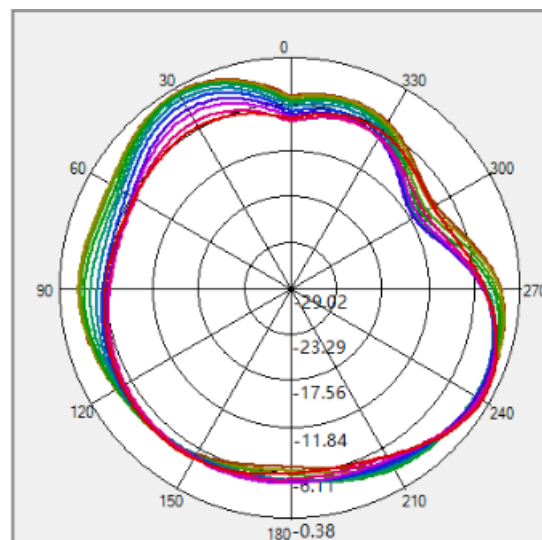
Theta=90° :



Phi=0° :

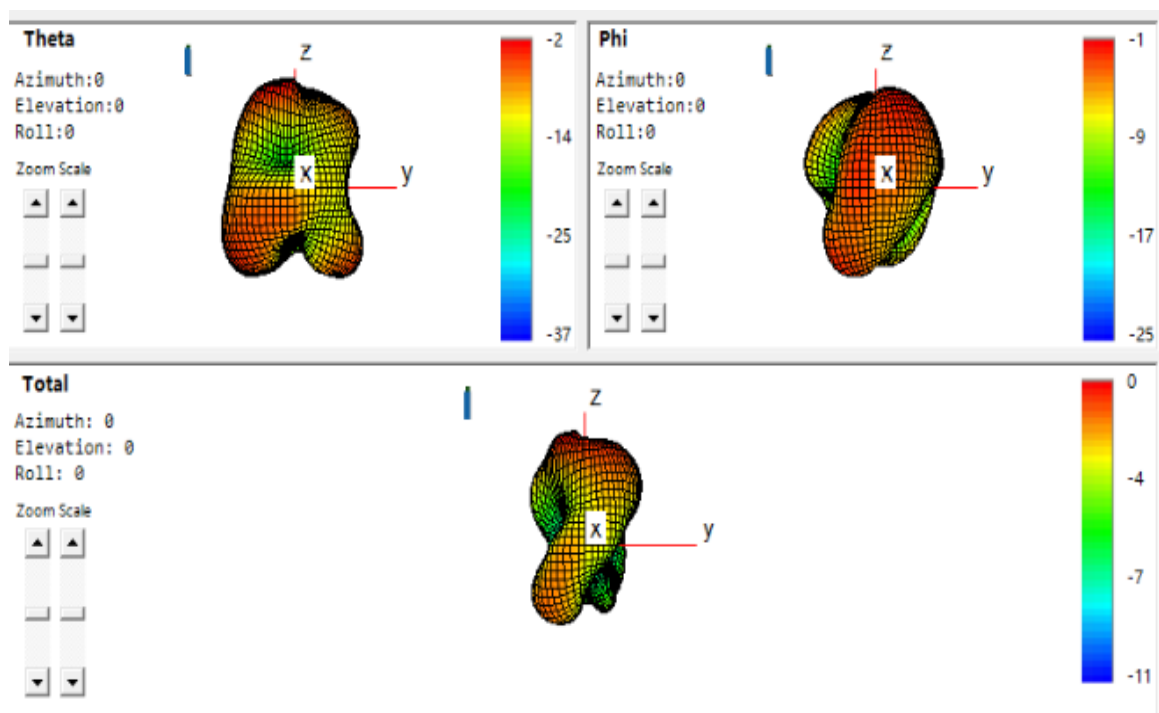


Phi=90° :

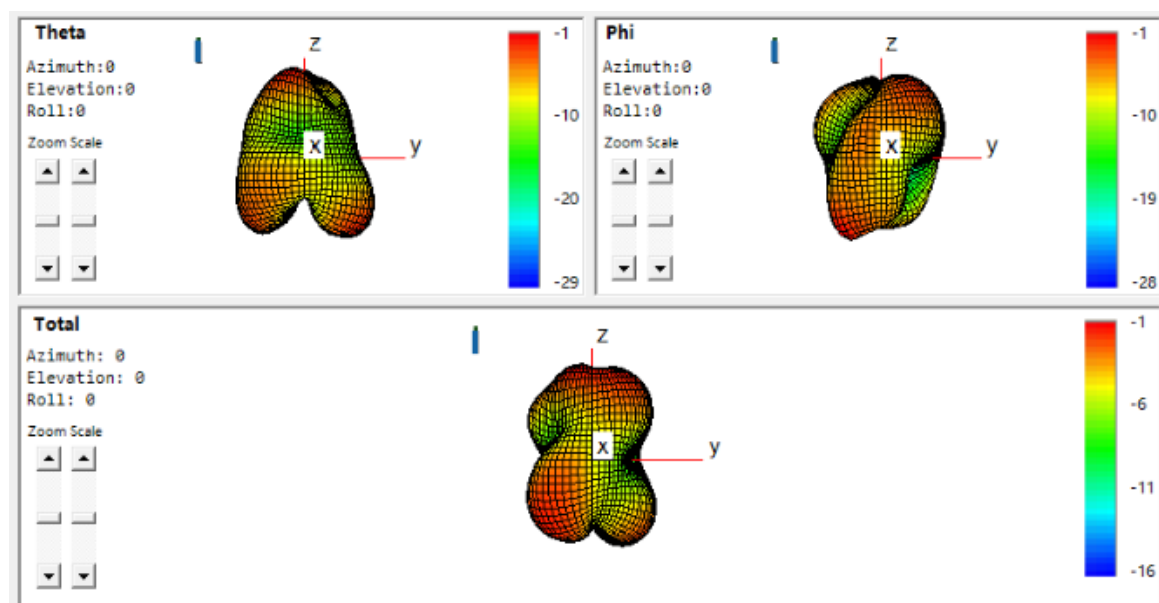


3.3.1.3 3D Direction Map

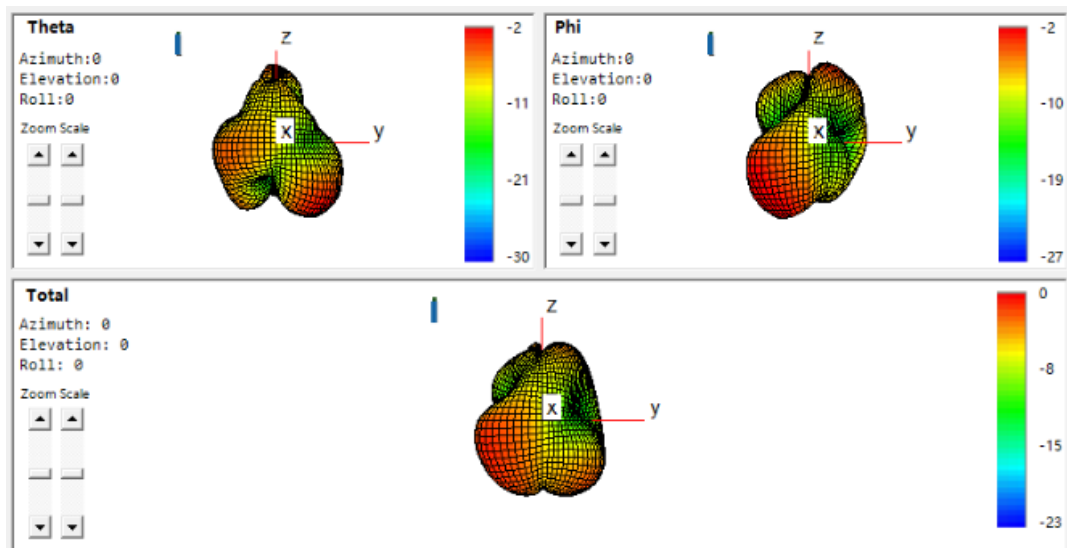
2400MHz:



2450MHz:



2500MHz:



3.4Active testing

3.4.1 Active test data

3.4.2 Active circuit testing (for antennas with active circuit components, can be omitted if not applicable)