

Antenna Specification Sheet

Product Part Number: WA146 Ant

Authorized Signatory: Dave.li

Date: 2025.1.9

PRODUCT SPECIFICATION	Rev.: v1.0
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AMENDMENT RECORDS

Revision	Description	Originator	Date
V1.0	First version	Cao HH	2024.12.24

1 Basic Specifications

Antenna Name: WA146 Ant 0

Operation Frequency: 2.4~2.483GHz, 5.15~5.25GHz, and
5.725~5.875GHz

Gain: 0.99dBi (2.4~2.483GHz), 0.95dBi (5.15~5.25GHz),
1.47dBi (5.725~5.875GHz)

Antenna type: Dipole

Connector Type: /

Impedance: 50ohm

Efficiency: $\geq 50\%$

VSWR: ≤ 2

Polarization type: Linear

3dB Beamwidth: Omnidirectional horizon

Manufacturer: Shenzhen ZTX Communication Technology Co.,
LTD.

Address: No.34 Shilong Road, Bao'an District, Shenzhen,
Guangdong Province

2 Gain Specifications

LF antenna (ANT0)

Frequency	Efficiency	Gain(dBi)
2400MHz	66%	0.76119
2420MHz	63%	0.81233
2450MHz	65%	0.99091
2480MHz	59%	0.80206

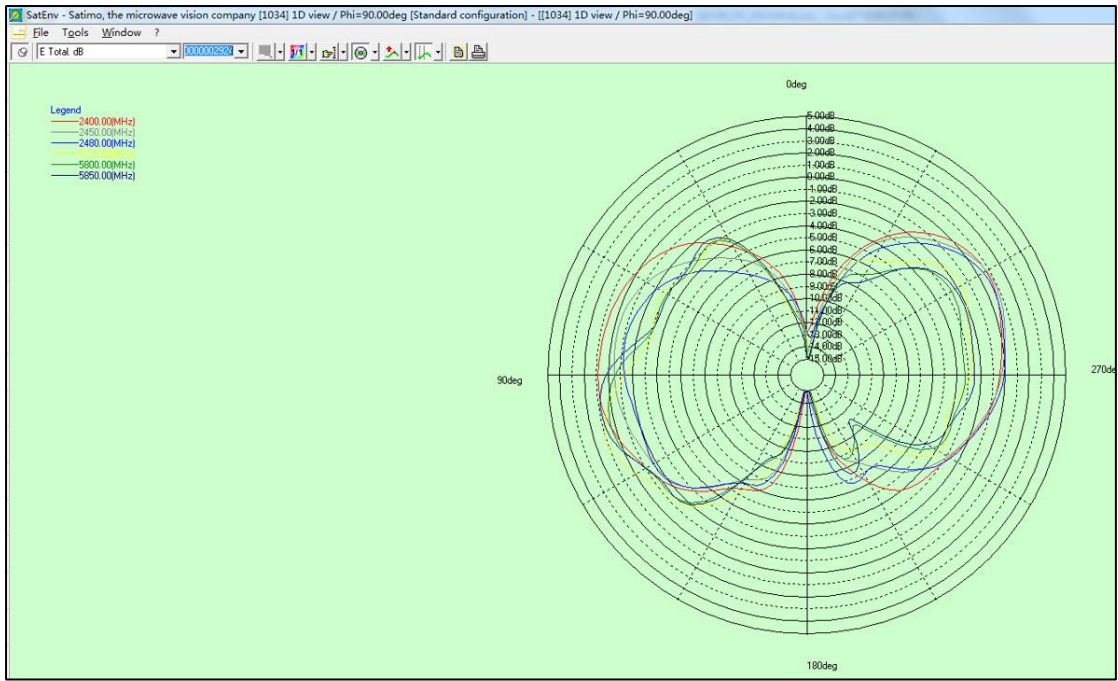
Frequency	Efficiency	Gain(dBi)
5150MHz	43%	0.45847
5200MHz	40%	0.79302
5250MHz	44%	0.95313
Frequency	Efficiency	Gain(dBi)
5725MHz	55%	1.25112
5775MHz	52%	1.32950
5800MHz	53%	1.45854
5850MHz	52%	1.46515

3 Detailed Radiation Pattern

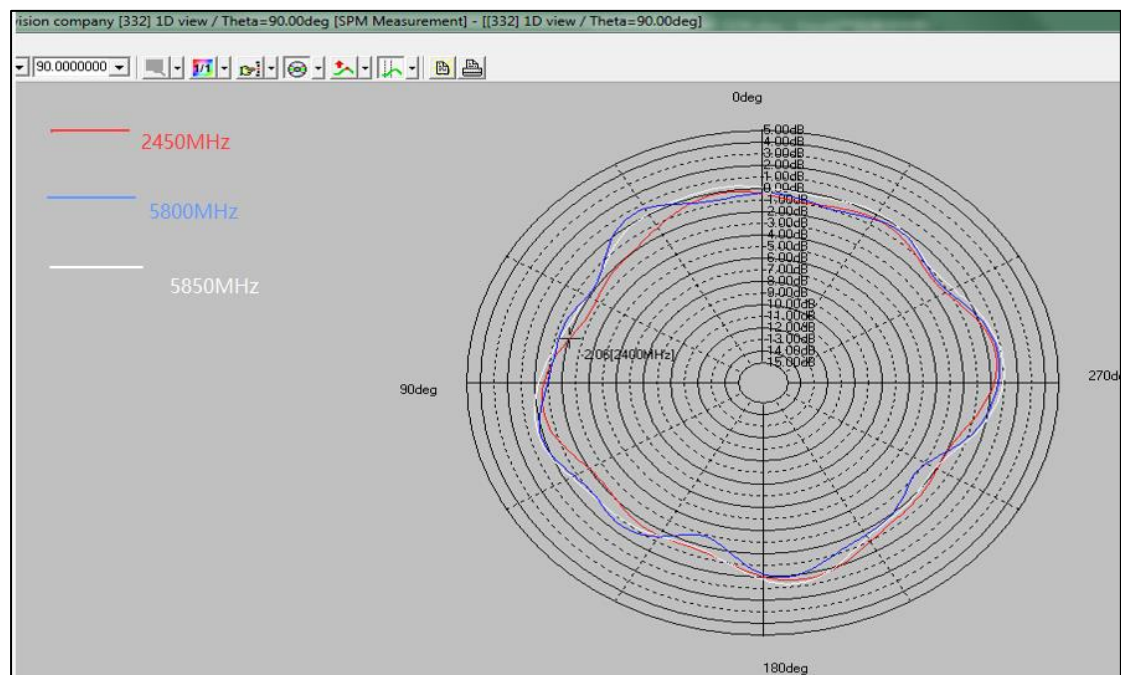
Test lab	Satimo SG24
Test date	2024/12/10

2.4G radiation pattern_Phi=0

LF Phi 90 (ANT0)



LF Theta90 (ANT0)



4 Structure drawing

LF antenna (ANT0, mm)

