

Antenna Specification Sheet

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1 Basic Specifications

Antenna Name: RC Ant 1, and RC Ant 2

Operation Frequency: 2.4~2.4835GHz, 5.725~5.850GHz Gain:
3.0dBi (2.4~2.483 GHz), 4.0dBi (5.725~5.850 GHz) Antenna
type: Integral Antenna

Connector Type: Ipex-1

Impedance: 50ohm

Efficiency: $\geq 45\%$

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

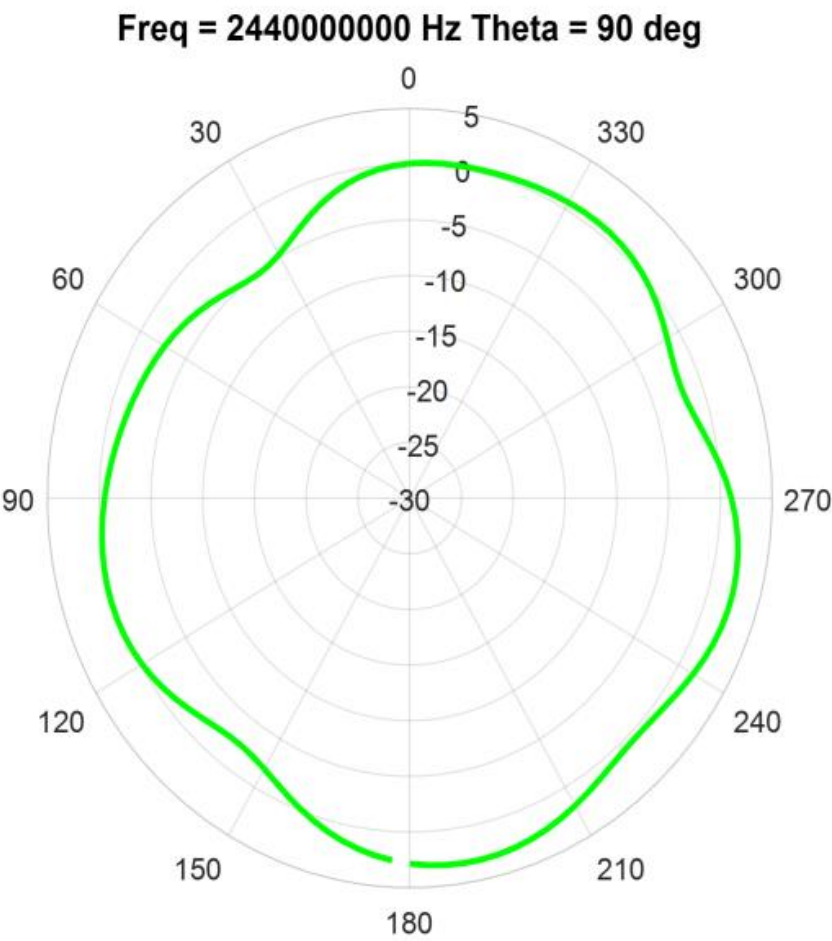
Antenna efficiency/Return Loss/VSWR

Frequency	gain(dBi)R	efficiency(%)R	Gain(dBi)L	efficiency(%)L
2400MHz	2.0	65%	2.1	65%
2420MHz	3.0	68%	2.8	67%
2440MHz	2.6	65%	2.5	67%
2450MHz	2.3	69%	2.2	66%
2460MHz	2.1	63%	2.2	68%
2480MHz	2.0	64%	2.1	66%
5700MHz	3.5	59%	3.6	59%
5750MHz	3.5	59%	3.6	59%
5800MHz	3.8	61%	3.7	61%
5850MHz	3.9	62%	4.0	63%

3 Detailed Radiation Pattern

Test lab	Satimo SG24
Test date	2025/9/22

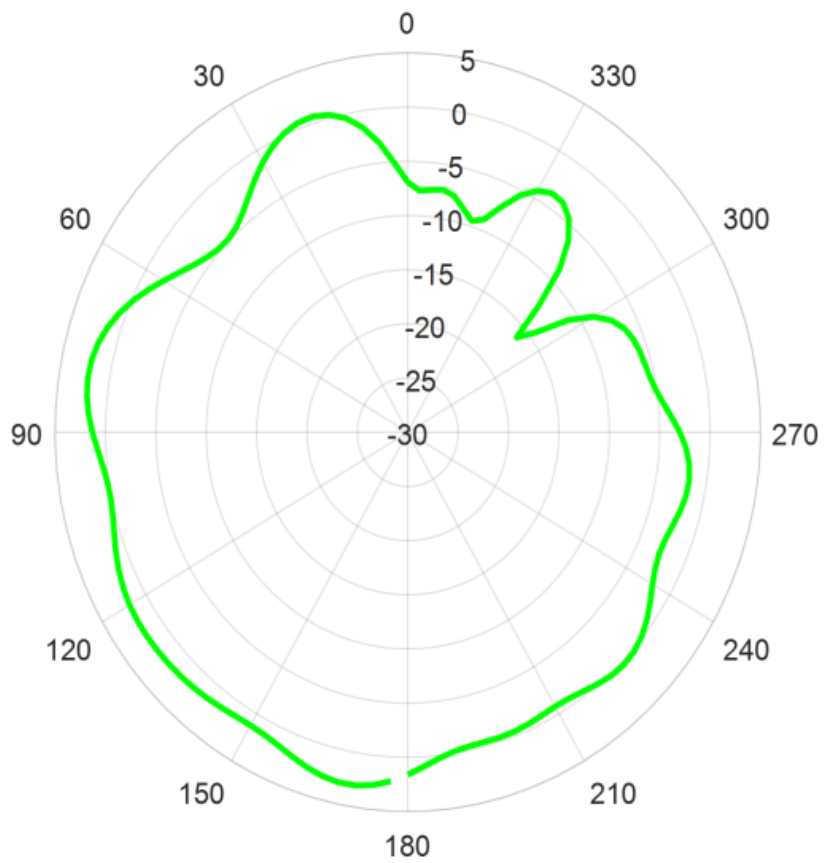
Ant 1

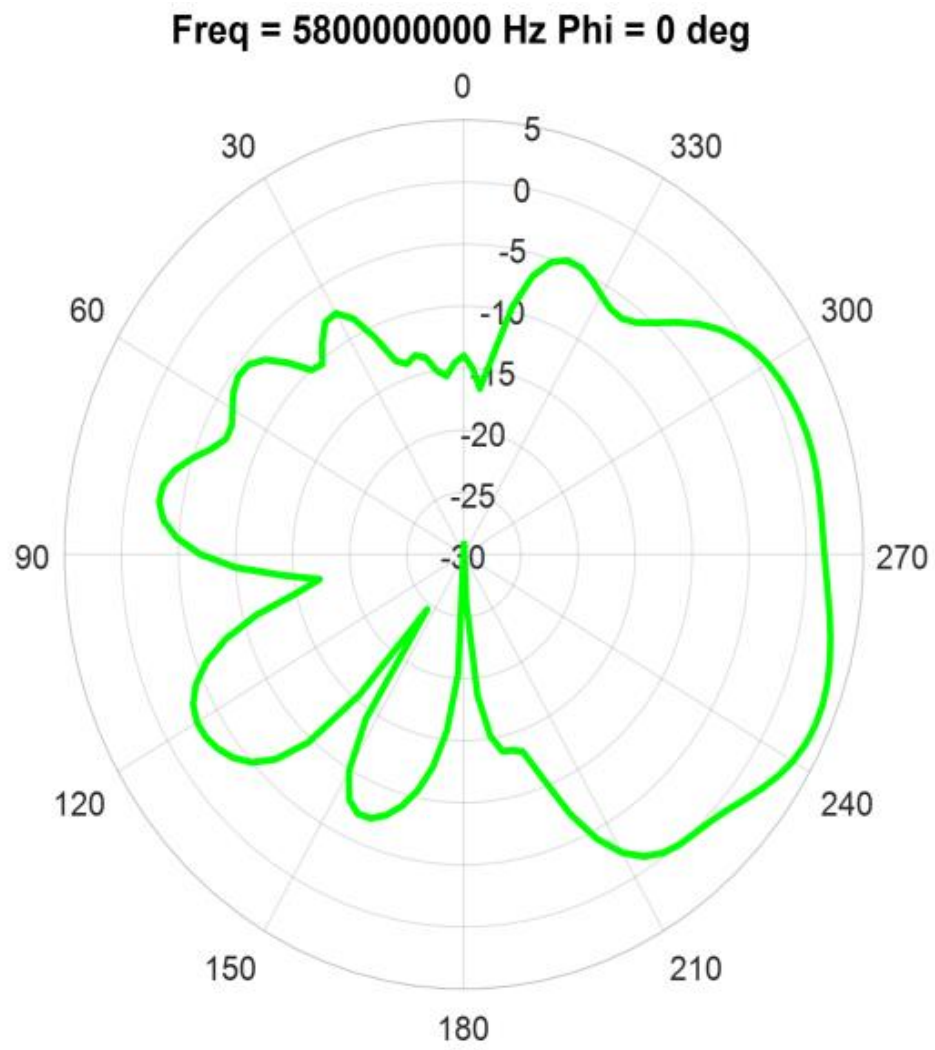


Freq = 2440000000 Hz Phi = 0 deg



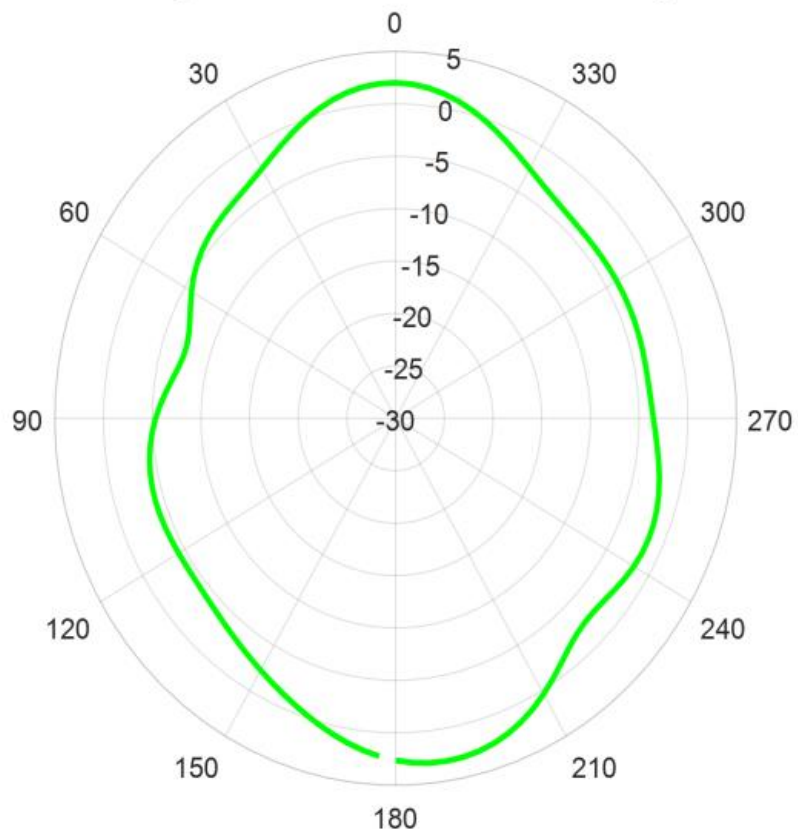
Freq = 5800000000 Hz Theta = 90 deg





Ant 2

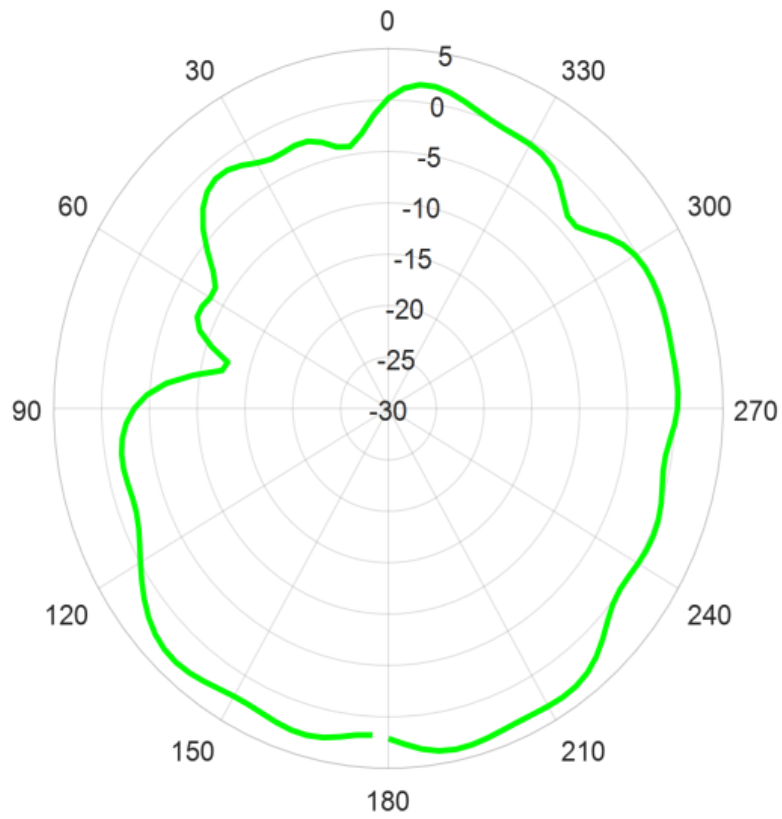
Freq = 2440000000 Hz Theta = 90 deg



Freq = 2440000000 Hz Phi = 0 deg



Freq = 5800000000 Hz Theta = 90 deg



Freq = 5800000000 Hz Phi = 0 deg

