

Antenna Specification Sheet

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1 Basic Specifications

Antenna Name: Aircraft Ant (Ant 1, Ant 2)

Operation Frequency: 2.4~2.4835GHz, 5.725~5.850GHz

Gain: 1.0dBi (2.4~2.4835GHz), 1.5dBi (5.725~5.850GHz)

Antenna type: Dipole

Connector Type: Ipex-1

Impedance: 50ohm

Efficiency: $\geq 50\%$

VSWR: ≤ 2

Polarization type: Linear

3dB Beamwidth: Omnidirectional horizon

Manufacturer: INPAQ TECHNOLOGY (SUZHOU) CO.,LTD.

Address: No.802 kexingkexueyuan, Nanshan District, Shenzhen,
Guangdong Province

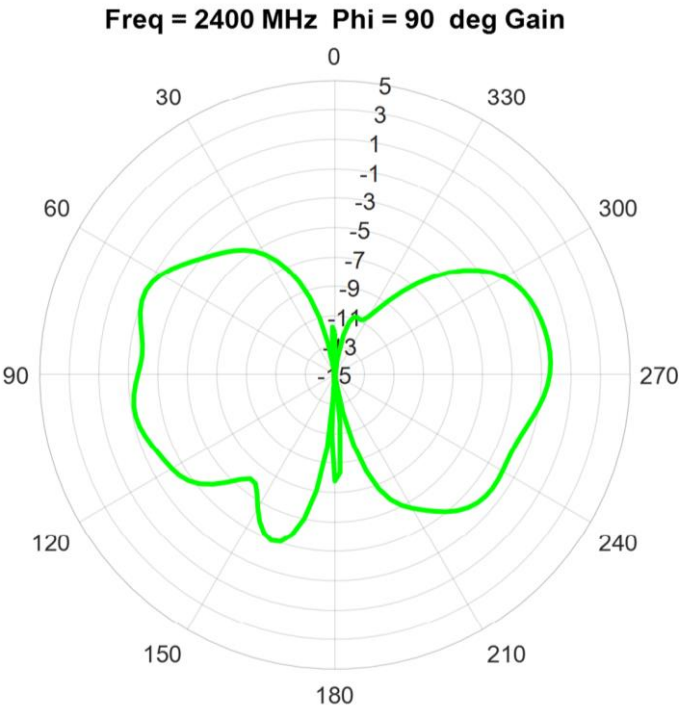
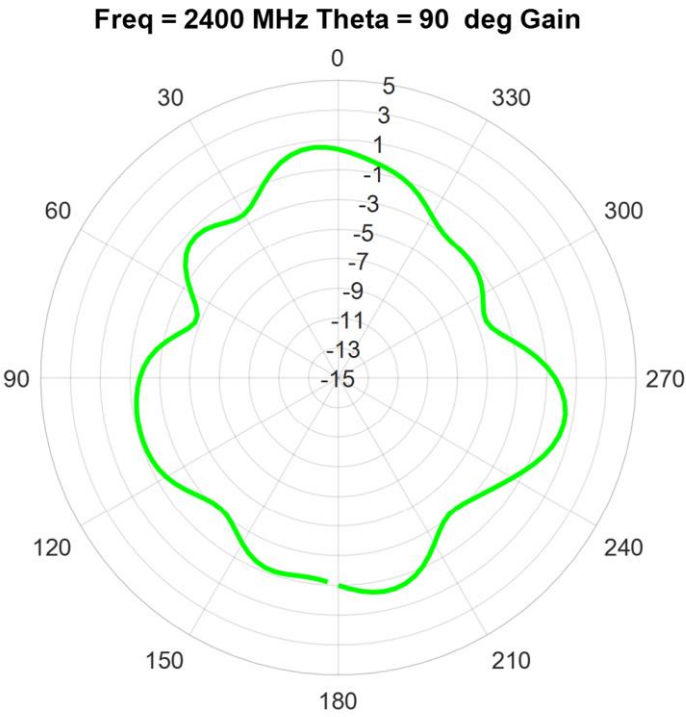
2 Gain Specifications

Mode	Frequency	Gain (dBi)	Efficiency
2.4G	2400MHz	0.8	34%
	2440MHz	0.9	35%
	2480MHz	1.0	36%
5.8G	5725MHz	1.4	36%
	5800MHz	1.5	37%
	5850MHz	1.3	36%

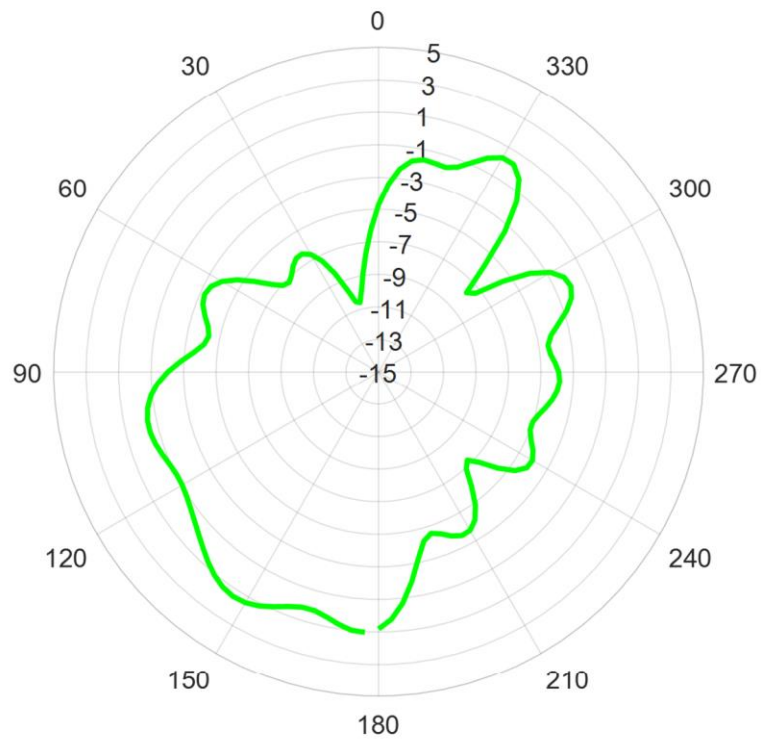
3 Detailed Radiation Pattern

Test lab	Satimo SG24
Test date	2025/9/22

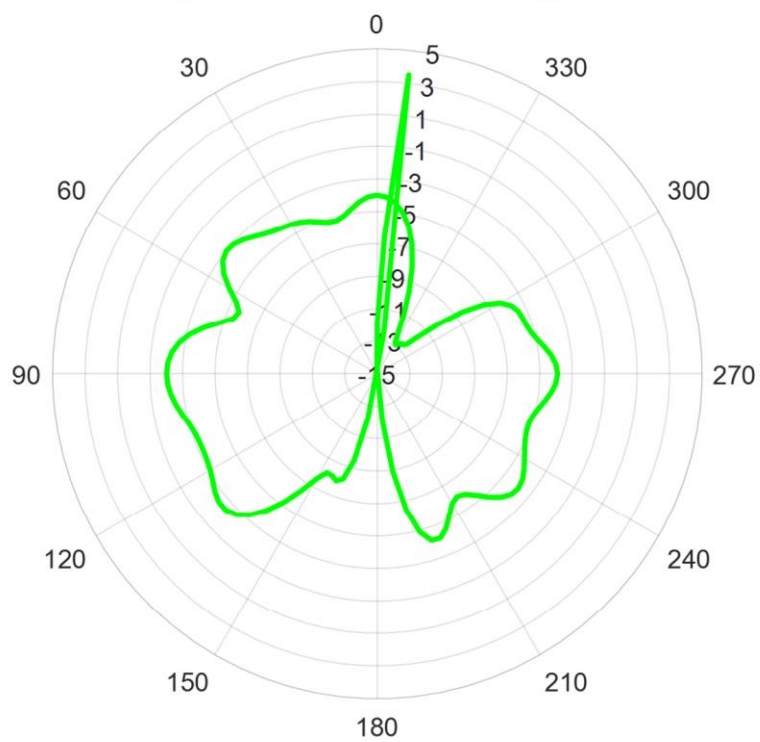
Ant 1



Freq = 5800 MHz Theta = 90 deg Gain

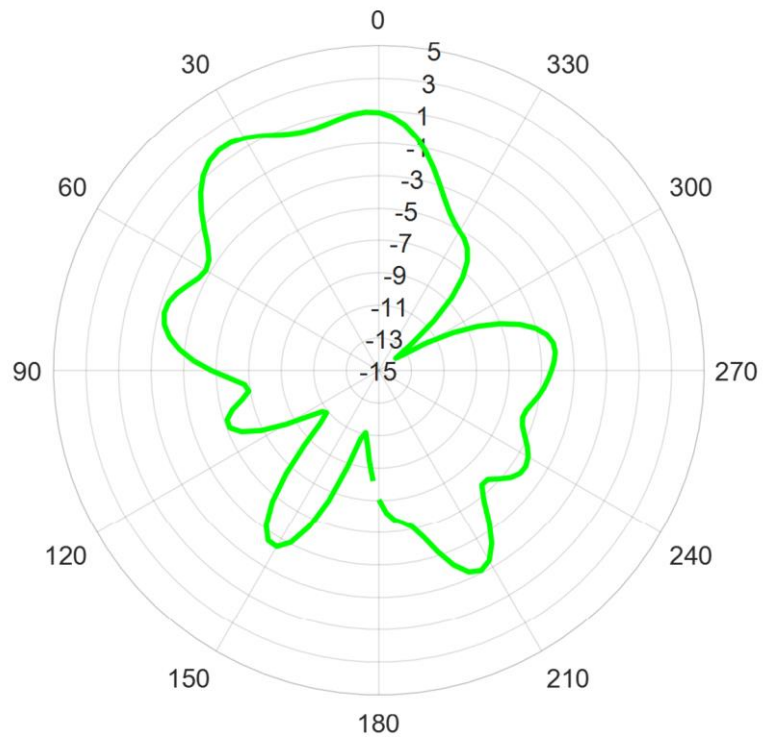


Freq = 5800 MHz Phi = 90 deg Gain

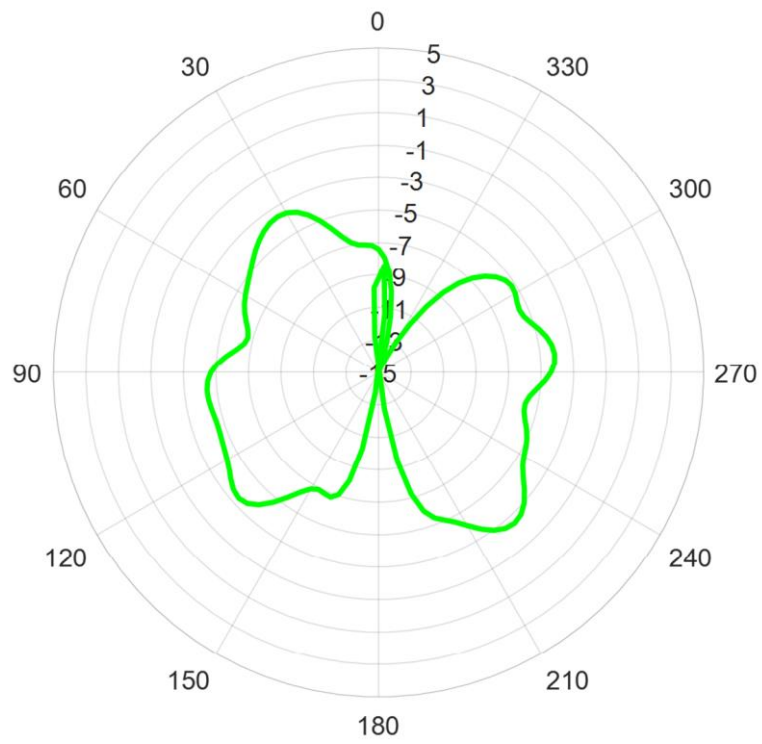


Ant 2

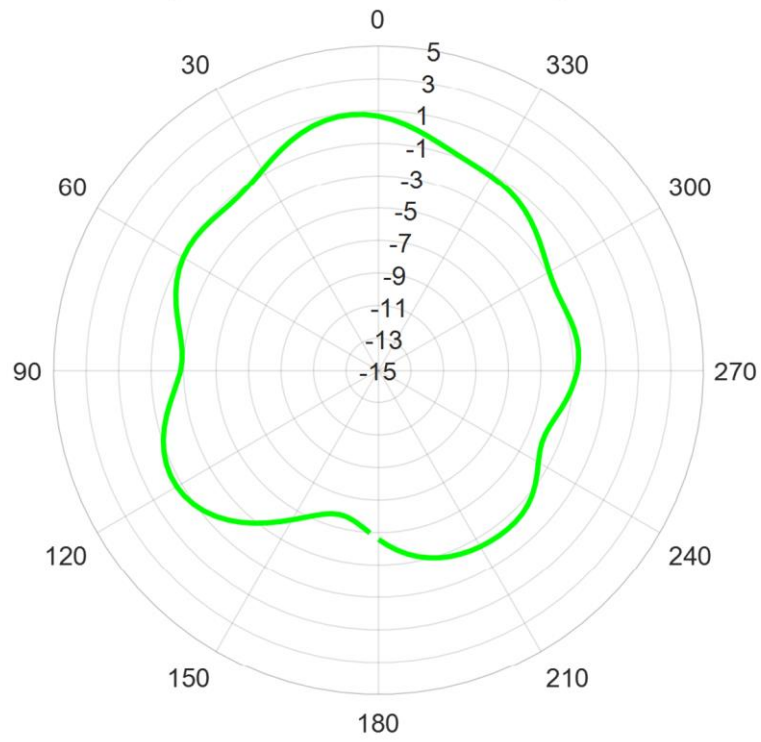
Freq = 5800 MHz Theta = 90 deg Gain



Freq = 5800 MHz Phi = 90 deg Gain



Freq = 2400 MHz Theta = 90 deg Gain



Freq = 2400 MHz Phi = 90 deg Gain

