

Antenna Specification Sheet

Content

SECTION	Page
1 Basic Specifications	3
2 Gain Specifications	4
3 Detailed Radiation Pattern	5
4 Structure drawing	12

1 Basic Specifications

Antenna Name: Aircraft Ant (Ant 0, 1)

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

Gain: 1dBi (2.4~2.483GHz), 1.5dBi (5.15~5.25GHz), 1dBi
(5.725~5.875GHz)

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.

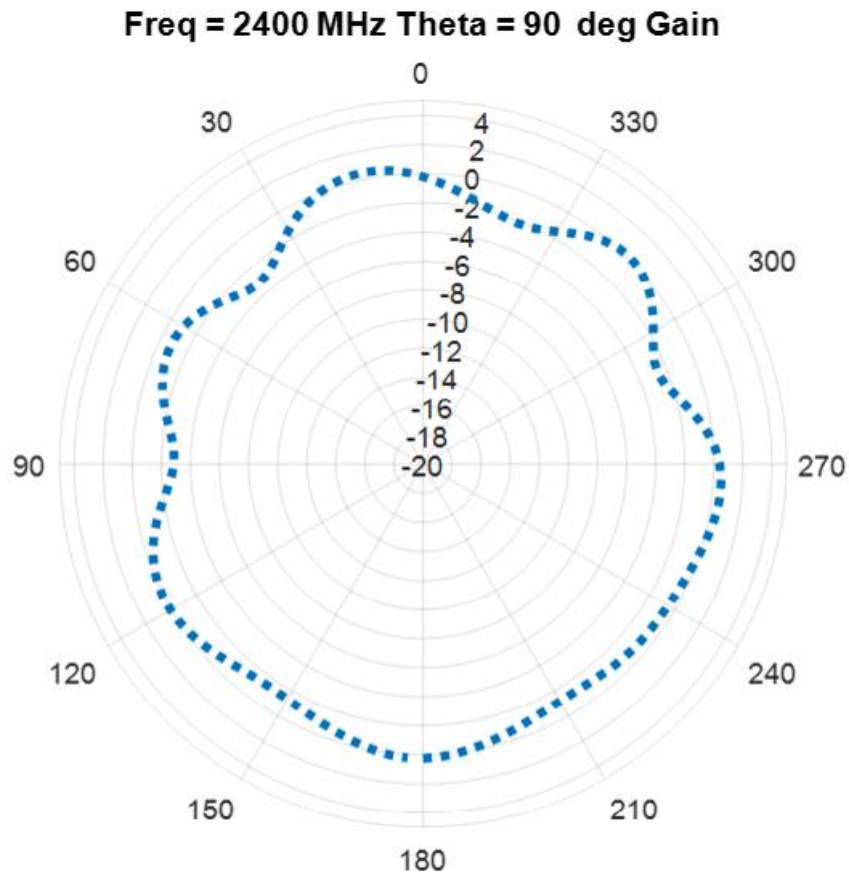
2 Gain Specifications

Mode	Frequency	Gia0.7n (dBi)	Efficiency
2.4G	2400MHz	0.7	34%
	2440MHz	0.9	35%
	2480MHz	1	36%
5.8G	5725MHz	1	39%
	5800MHz	0.8	40%
	5850MHz	1	41%
5.1G	5150MHz	1.4	36%
	5200MHz	1.5	37%
	5250MHz	1.3	36%

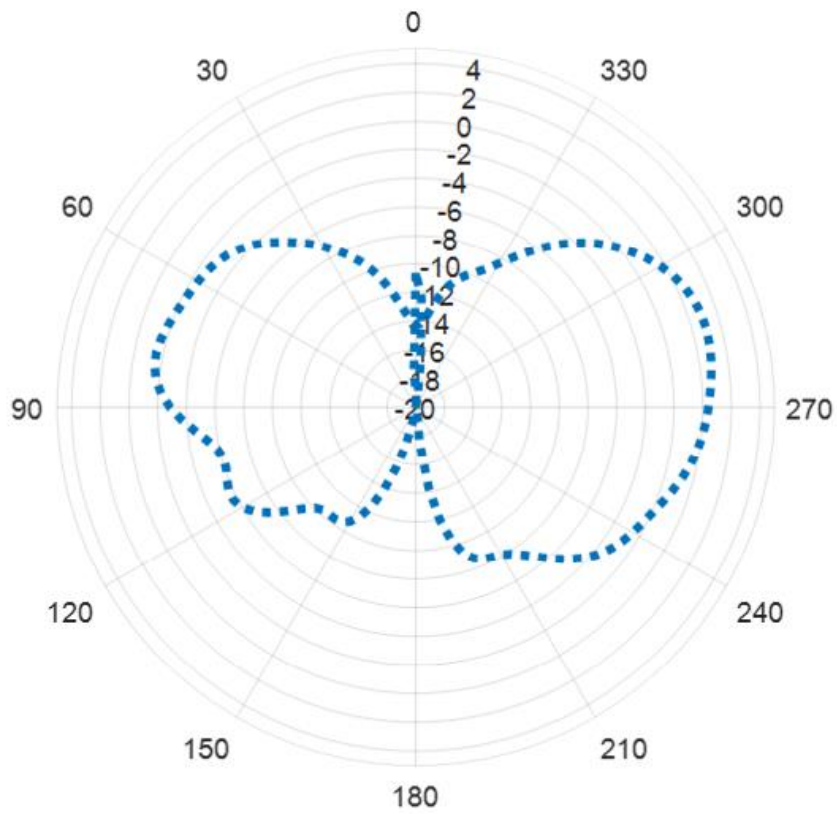
3 Detailed Radiation Pattern

Test lab	Satimo SG24
Test date	2025/3/18

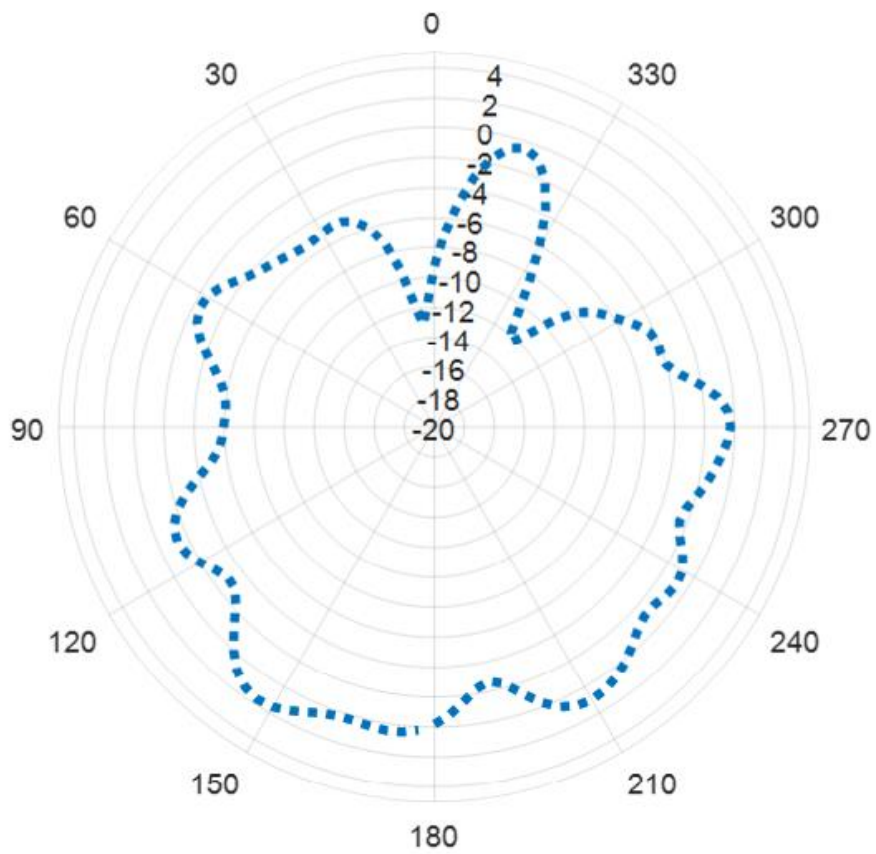
LF ANT



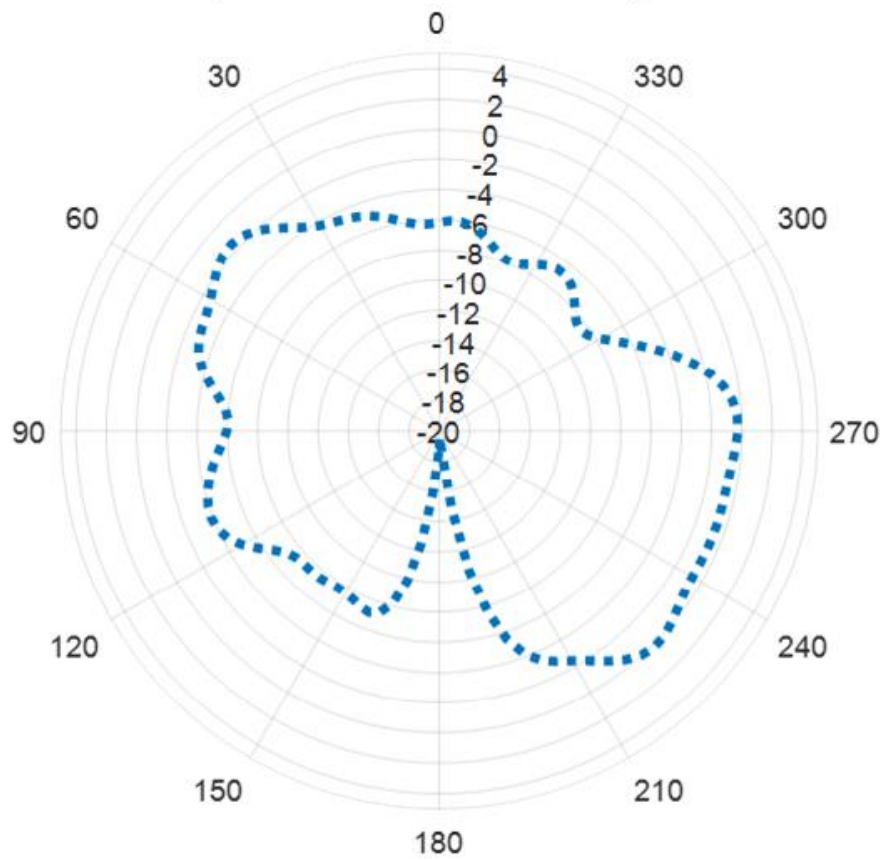
Freq = 2400 MHz Phi = 90 deg Gain



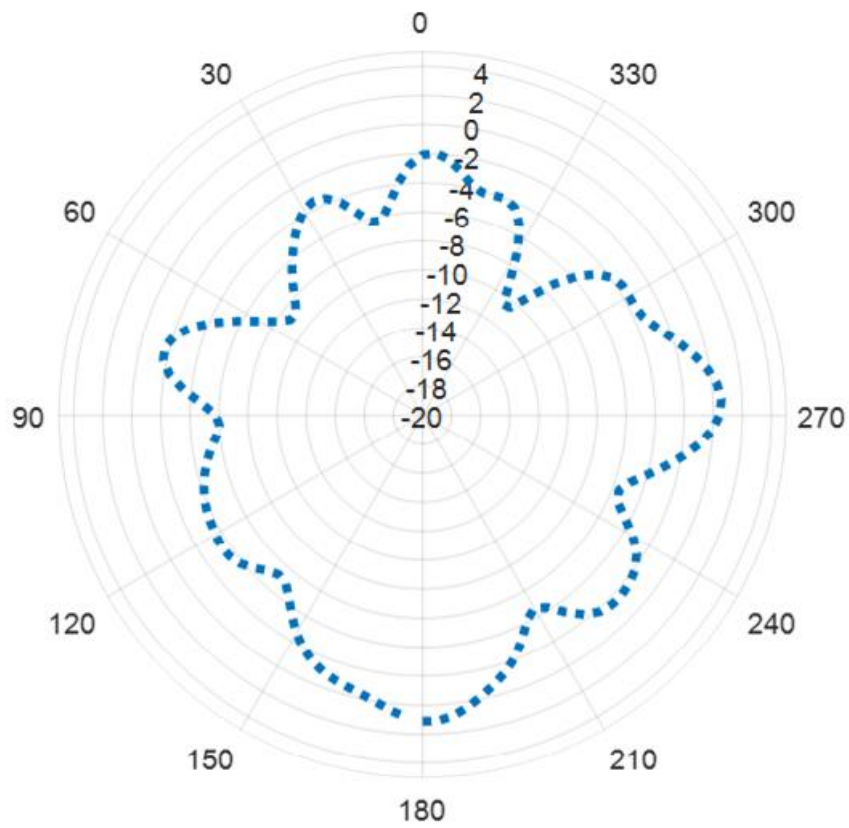
Freq = 5205 MHz Theta = 90 deg Gain



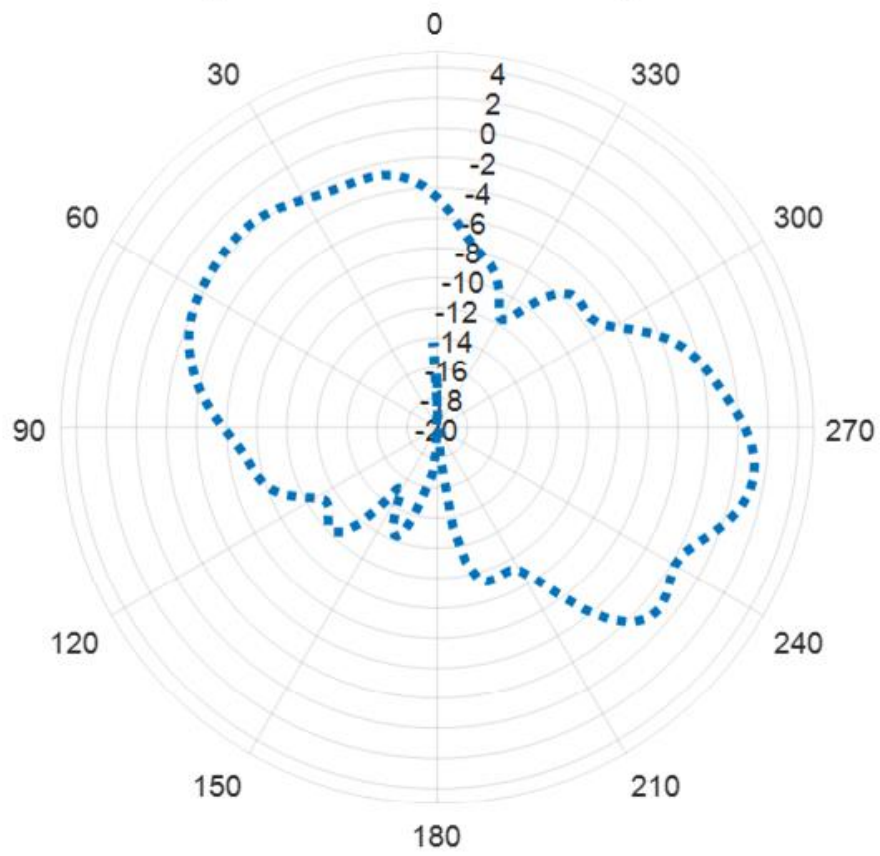
Freq = 5205 MHz Phi = 90 deg Gain



Freq = 5800 MHz Theta = 90 deg Gain

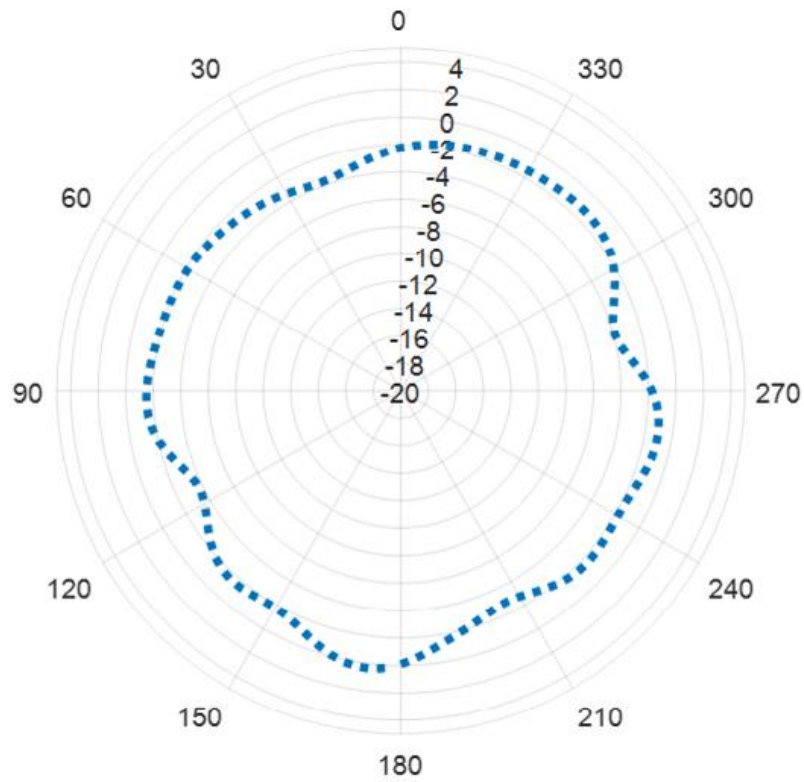


Freq = 5800 MHz Phi = 90 deg Gain

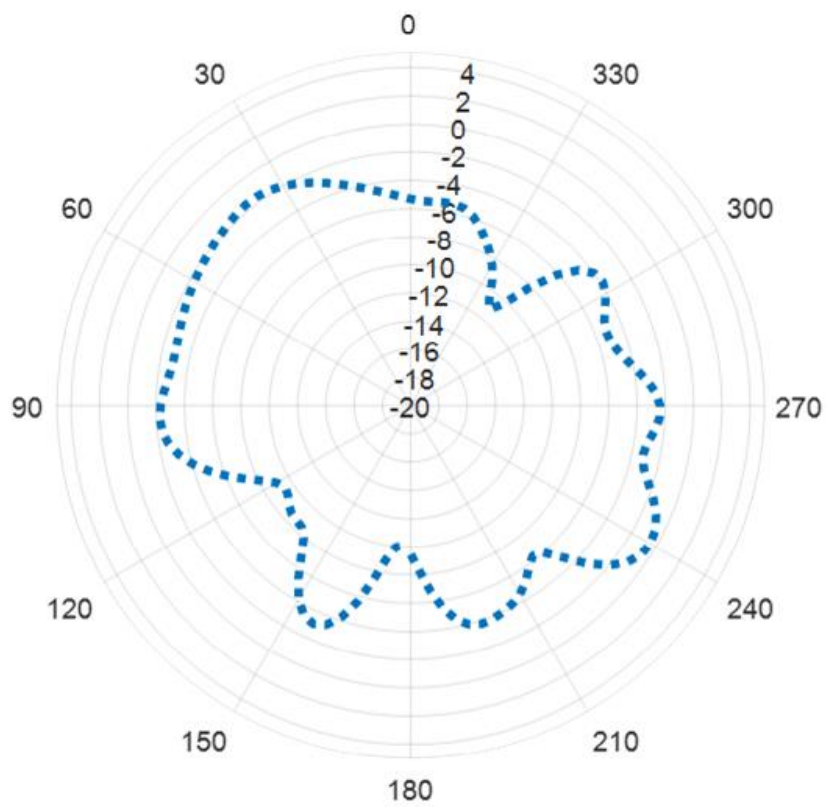


RF ANT

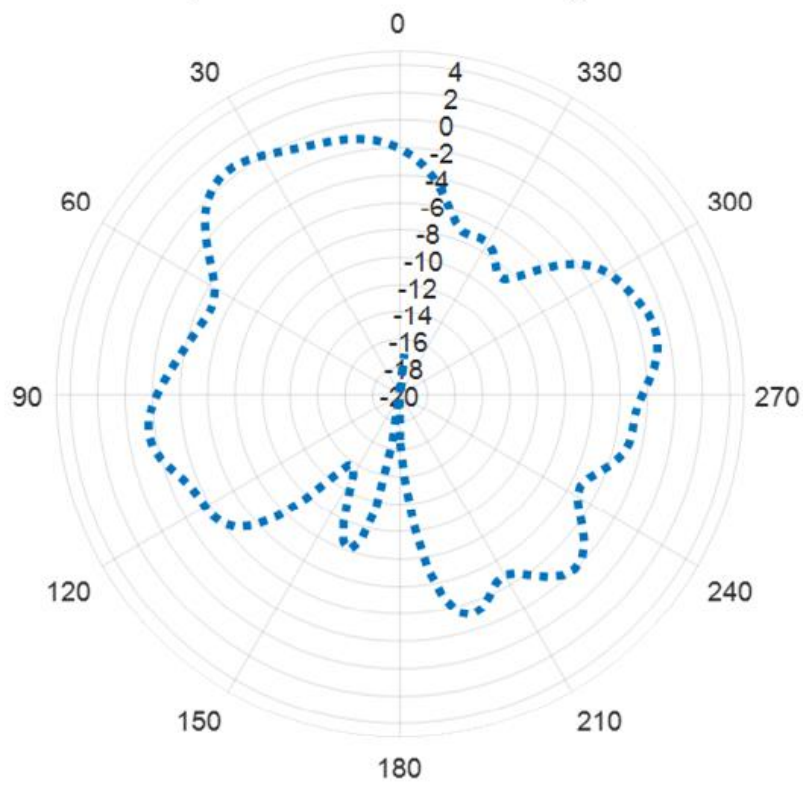
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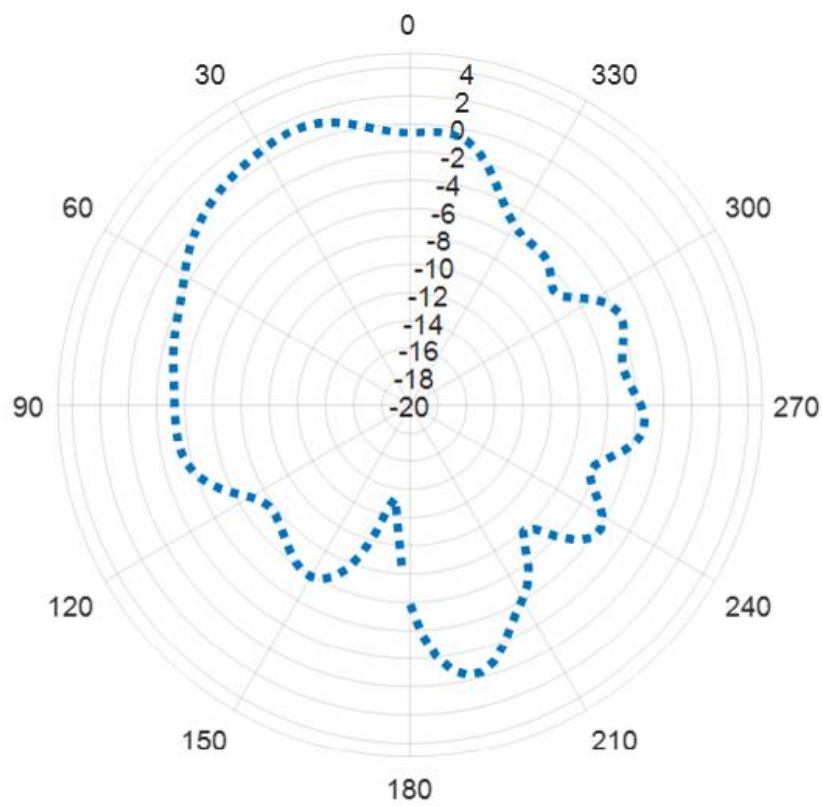
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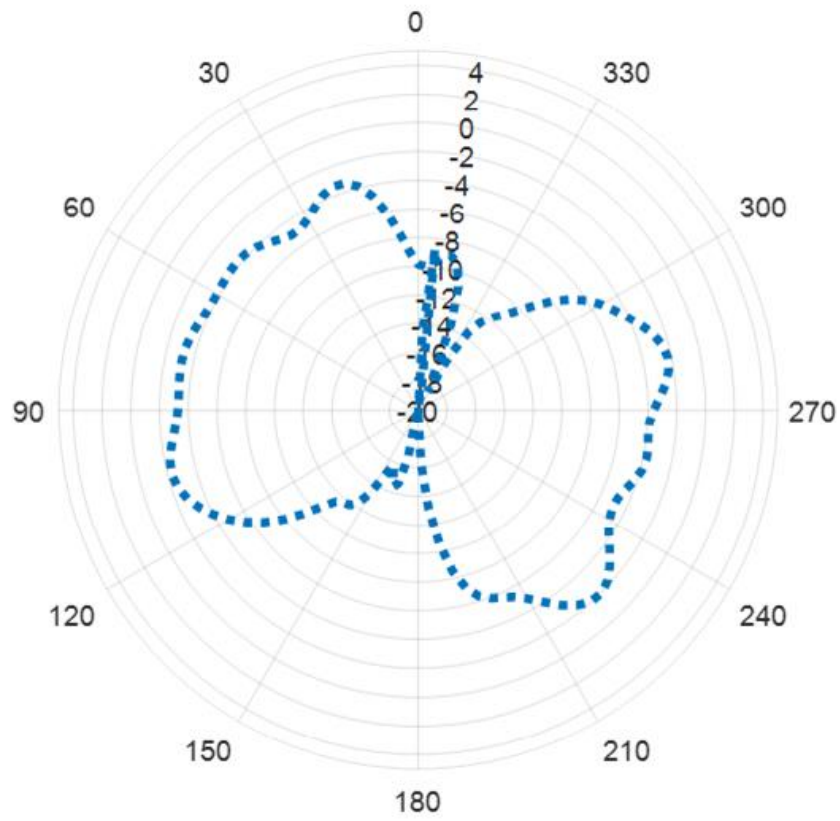
Freq = 5205 MHz Phi = 90 deg Gain



Freq = 5800 MHz Theta = 90 deg Gain



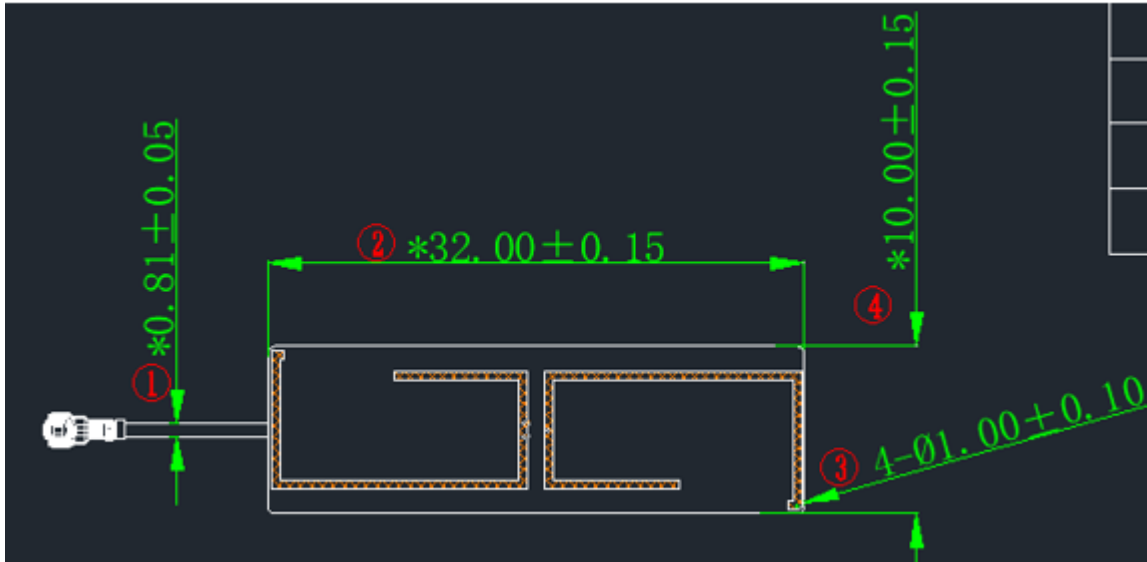
Freq = 5800 MHz Phi = 90 deg Gain



4 Structure drawing

antenna 2D

LF ANT



RF ANT

