

Antenna Specification Sheet

Product Part Number: RC 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	2024.12.21

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1 Basic Specifications

Antenna Name: RC Ant 0, and RC Ant 1

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

Gain: 3dBi (2.4~2.483GHz), 1.5dBi (5.15~5.25GHz), 4dBi
(5.725~5.875GHz)

Antenna type: Integral Antenna

Connector Type: Ipex-1

Impedance: 50ohm

Efficiency: $\geq 45\%$

VSWR: ≤ 2

Polarization type: Linear

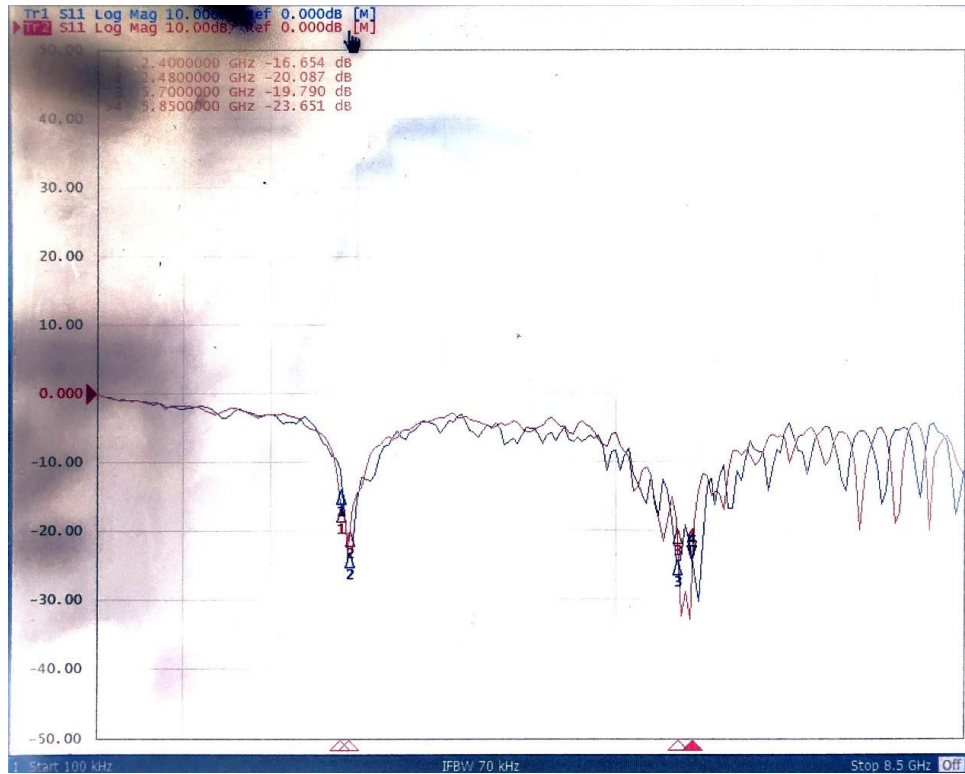
3dB Beamwidth: Omnidirectional horizon

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	2.05	65%	2.05	65%
2420MHz	3.00	67%	3.00	67%
2440MHz	2.46	68%	2.46	68%
2450MHz	2.25	68%	2.25	68%
2460MHz	2.12	68%	2.12	68%
2480MHz	2.00	66%	2.00	66%
5150MHz	1.22	49%	1.22	49%
5200MHz	1.50	54%	1.50	54%

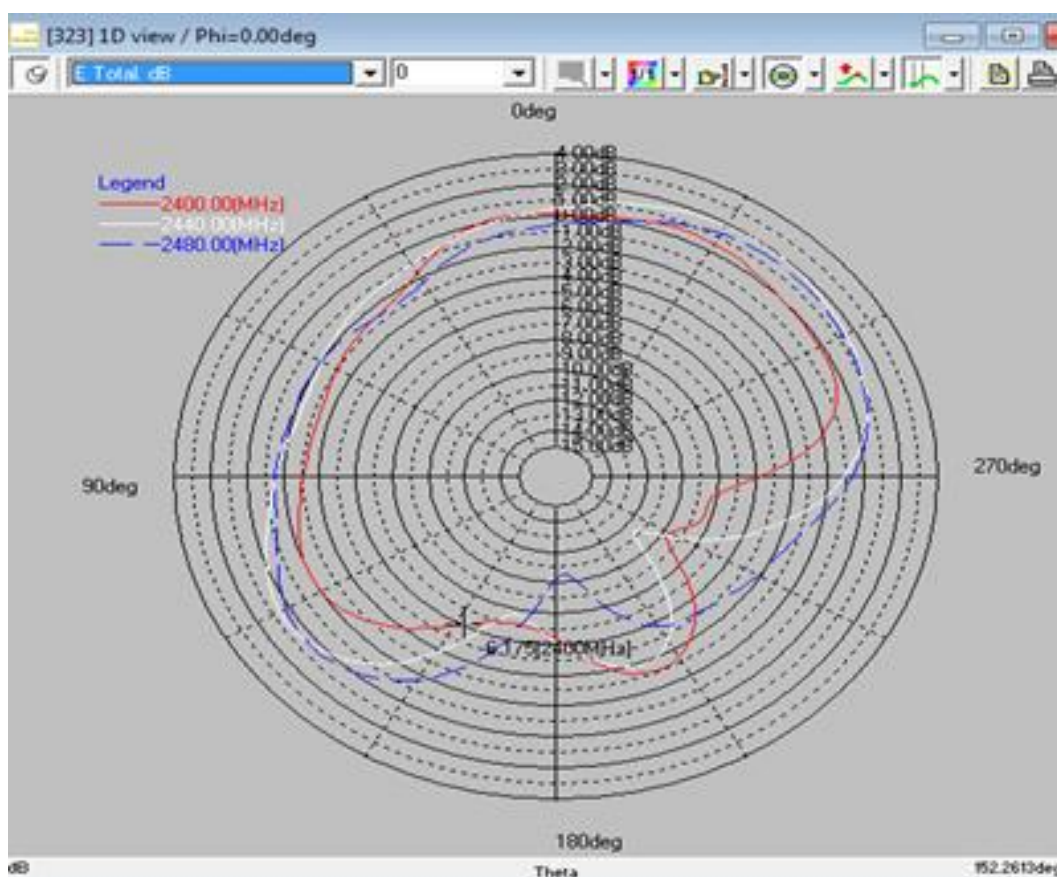
PRODUCT SPECIFICATION**Rev.: v1.0**

5700MHz	3.52	59%	3.52	59%
5750MHz	3.47	59%	3.47	59%
5800MHz	3.78	61%	3.78	61%
5850MHz	4.00	63%	4.00	63%

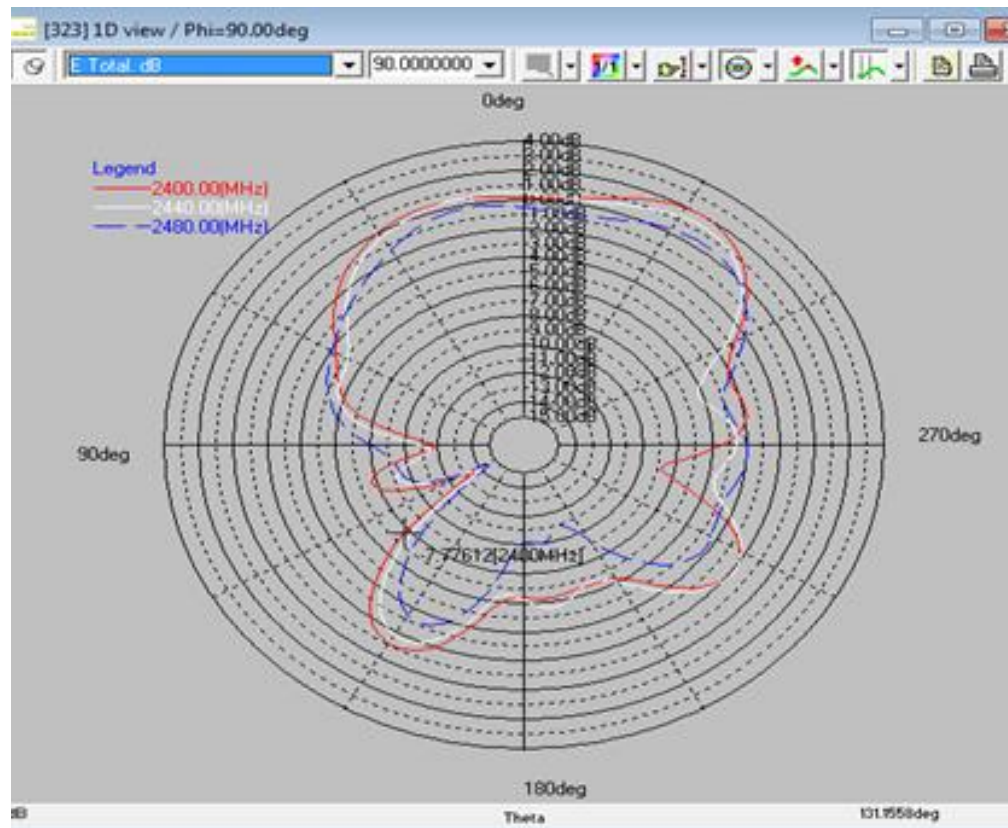
3 Detailed Radiation Pattern

Test lab	Satimo SG24
Test date	2024/12/10

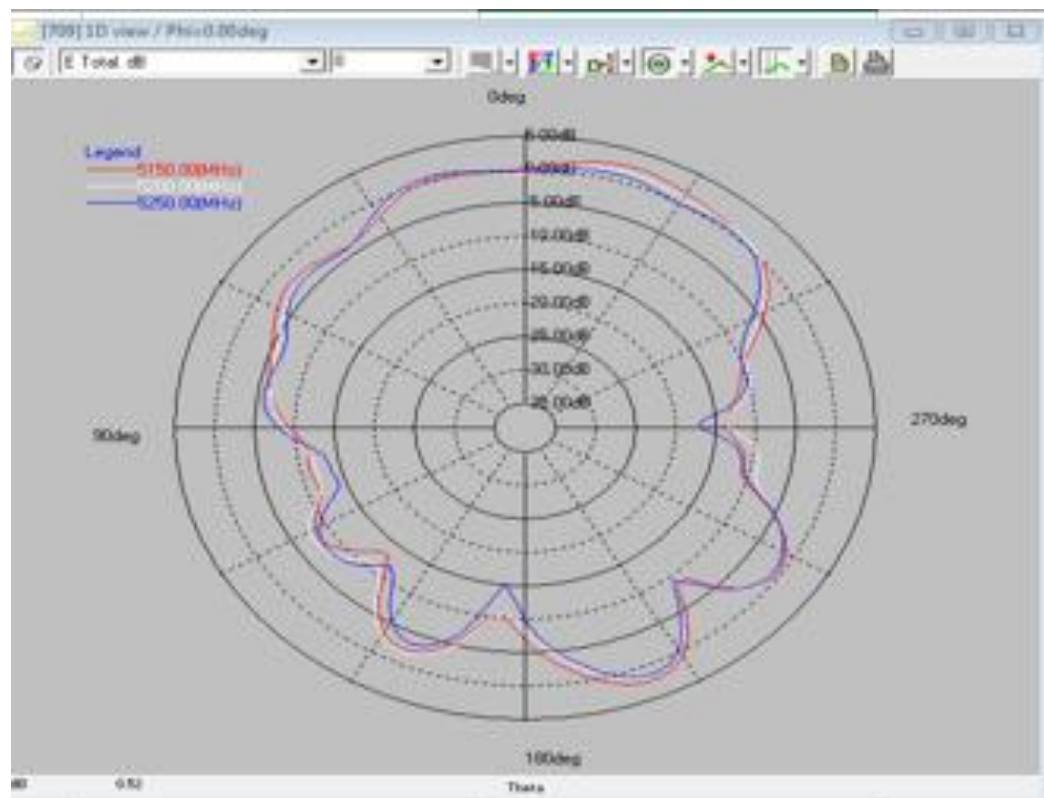
2.4G radiation pattern_Phi=0



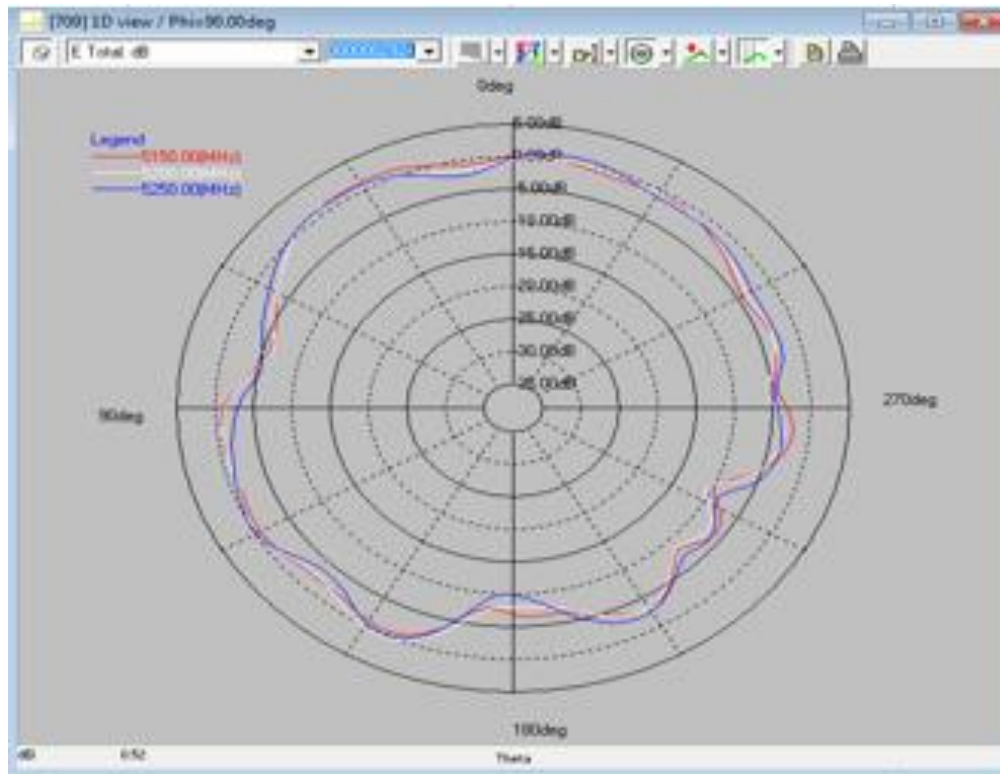
2.4G radiation pattern_Phi=90



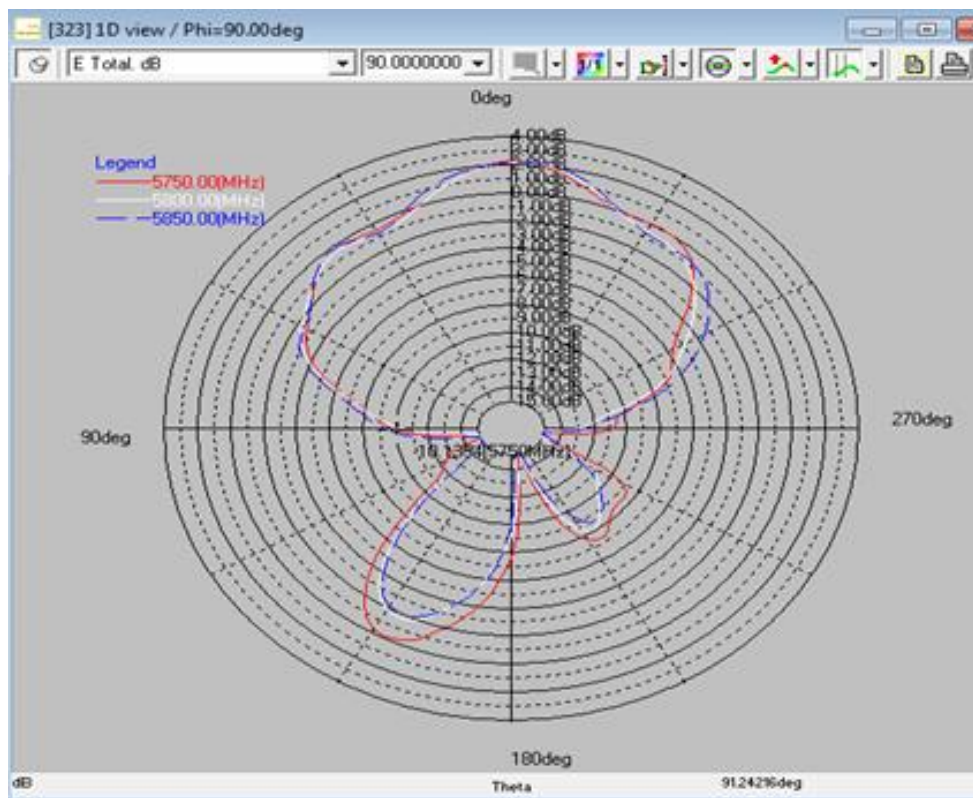
5.2G radiation pattern_Phi=0

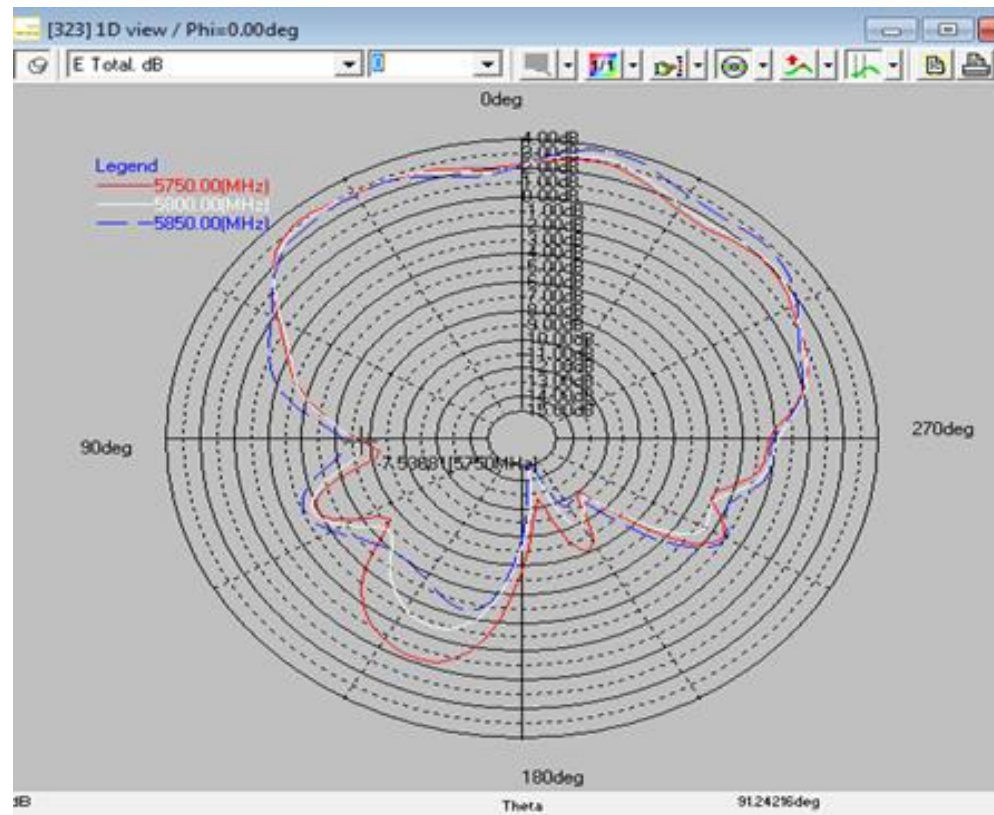


5.2G radiation pattern_Phi=90



5.8G radiation pattern_Phi=0



5.8G radiation pattern_Phi=90

4 Structure drawing

antenna 2D

