ZX

Version of the no.：SPEC-ZXW20240803

effective date

commencement date：2024-08-03

Shenzhen Zhixing Micro Technology Co., Ltd

2.4GHz antenna

Acknowledge the book

customer name:	manufacturer: Shenzhen Zhixing Micro Technology Co., Ltd
Customer Material Number:	product model : ZX-D30PCBANT
Part of :	serial number: ZX20240803002 versions: A01

This Specifications is received

SIGN:

DATE:

Drawn by	Checked by	Approved by
Jhon 2024/08/03	Judy 2024/08/03	Devin 2024/08/03

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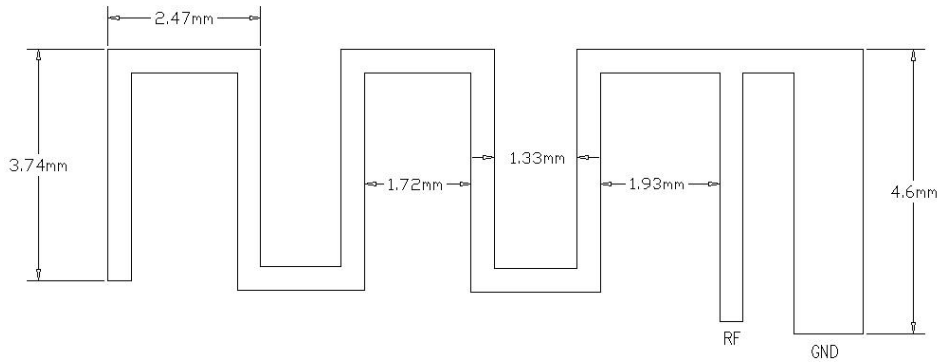
1. Description

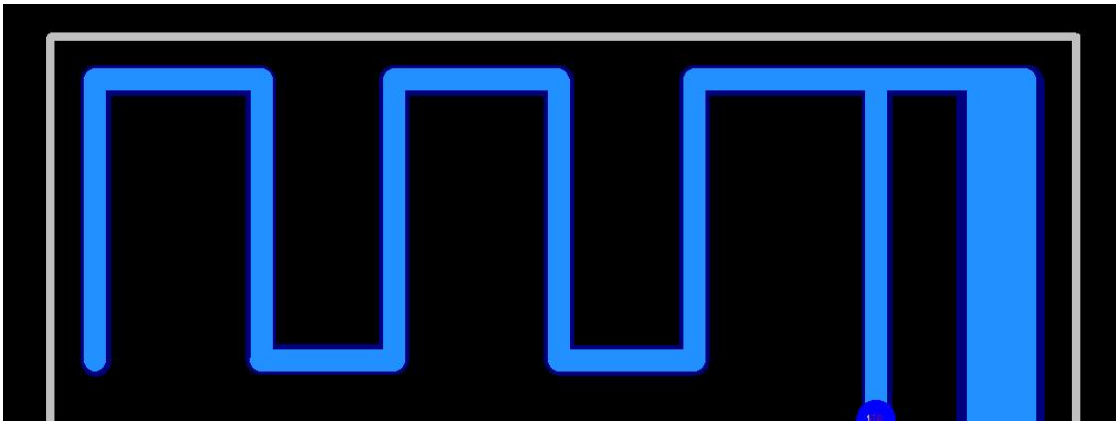
1.1 Specifications

Antennas Type	PCB antenna 2.4GHz application
Frequency	2.4-2.4835GHz
Impedance	50Ω
Polarization	Linear
Radiation pattern	Omni-directional
VSWR	2.5 Max
Peak gain	+0.6dBi(type)
Connector Type	w/o
Cable Type	w/o
Cable length	w/o

1.2 Antenna size



1.2 Antenna Picture



2.4G Antenna

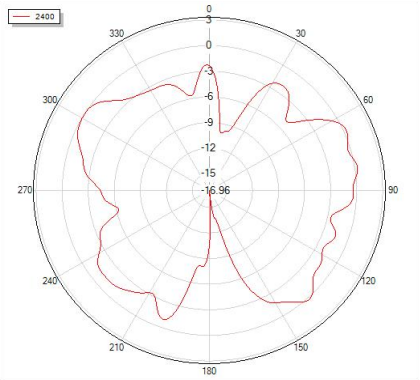
2. Performance Data

2.1Report

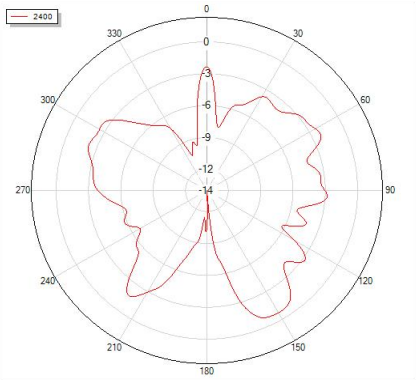
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency（MHz）	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain（dBi）	0.48	0.31	0.40	0.43	0.75	0.62	0.41	0.01	0.44	0.82	1.29
Efficiency（dB）	-3.75	-3.75	-3.72	-3.85	-3.84	-3.94	-3.92	-3.90	-3.82	-3.83	-3.79
Efficiency（%）	42.16	42.21	42.44	41.20	41.30	40.35	40.56	40.72	41.52	41.36	41.79
Directivity（dB）	3.95	4.04	4.12	4.27	4.15	4.04	4.02	4.11	4.53	4.79	4.91

2.2 EtotalGraphs

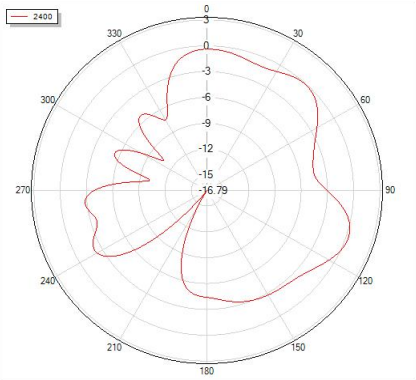
Phi=0 freq=2400MHz



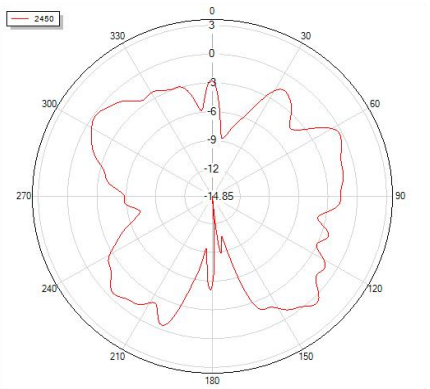
Phi=90 freq=2400MHz



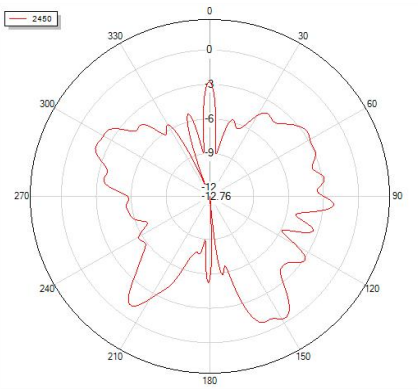
Theta=90 freq=2400MHz



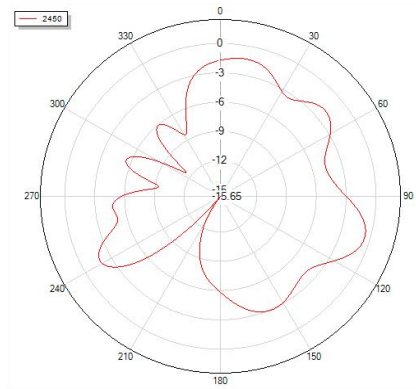
Phi=0 freq=2450MHz



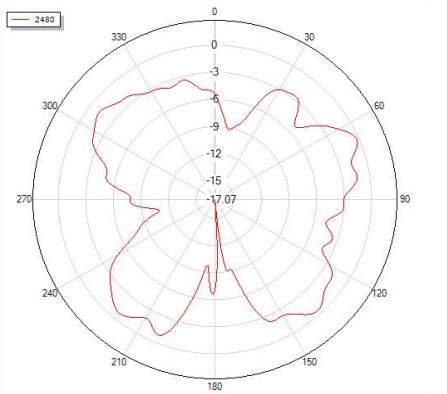
Phi=90 freq=2450MHz



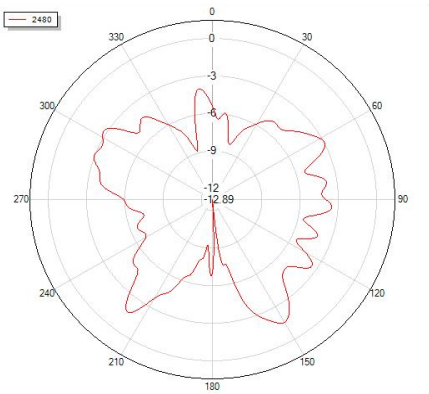
Theta=90 freq=2450MHz



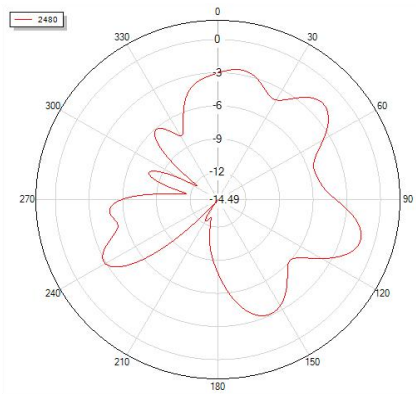
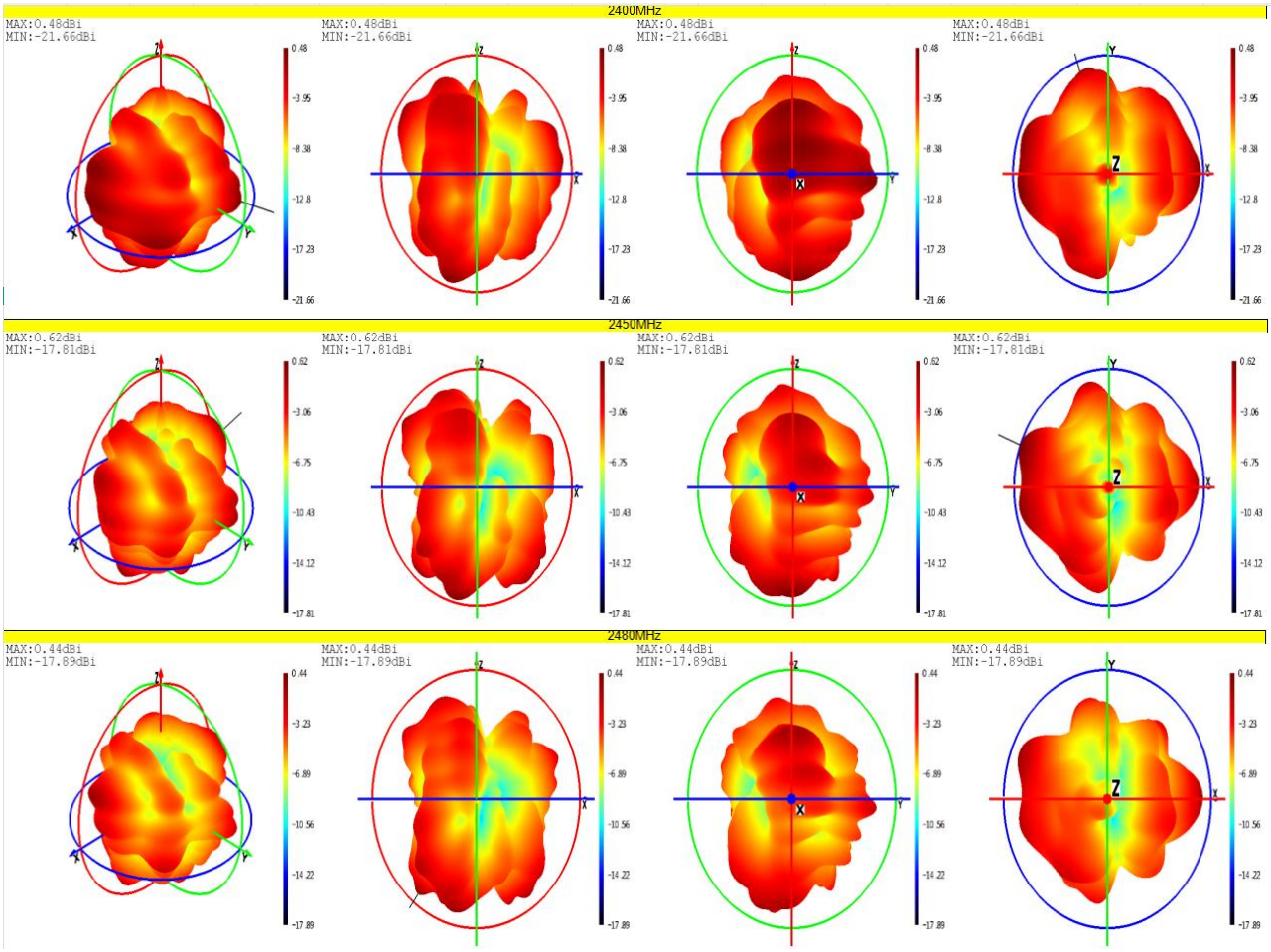
Phi=0 freq=2480MHz



Phi=90 freq=2480MHz



Theta=90 freq=2480MHz



2.3 3D_Graphs(Total)