

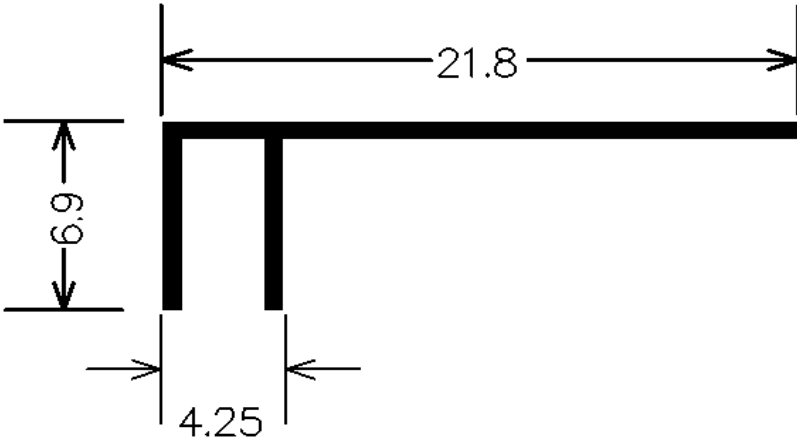
Antenna Specification

Specifications

Summary

ITEM	SPEC	
Model Name	2.4 GHz	
Center Frequency	2403MHz	-3.64 dBi
	2442 MHz	-2.68dBi
	2480 MHz	-2.95 dBi
MAX. GAIN	2.24dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 Ω	
Antenna Length	2.21 cm	
Antenna Type	PCB Antenna	

Antenna Photo & Length (mm)



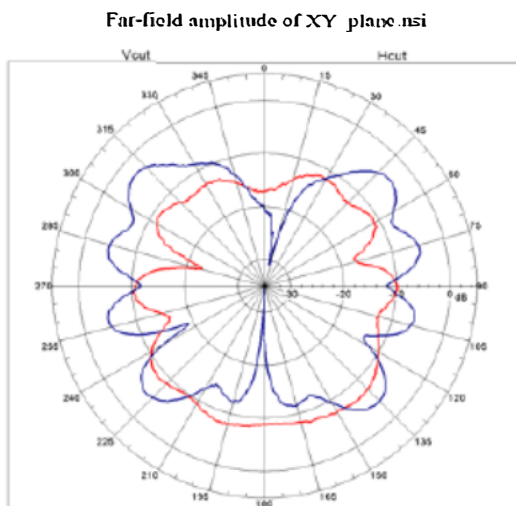
Test Address	Unictron Technologies Corporation , Nanshan Science and Technology Park North Languang Science and Technology Park C408 shenzhen
Test Date	2023-06-08
Test Instrument	vector network analyzer - R&S ZVB20

1.

Main antenna : 2403 MHz

1.1 Horizontal

◆XY-plane

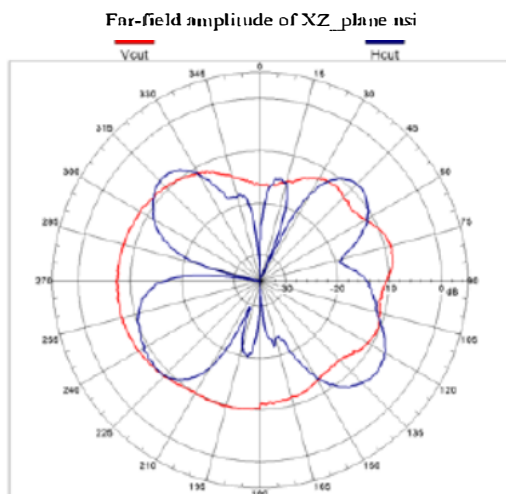


Unit : dBi

	Peak gain	Avg. gain
H cut	-3.64	-8.52
V cut	-7.54	-11.53
Total	-2.68	-6.58

1.2 Vertical

◆XZ-plane



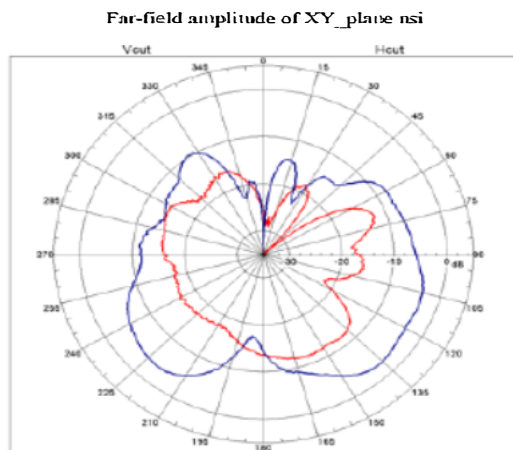
	Peak gain	Avg. gain
H cut	-6.24	-13.64
V cut	-7.54	-10.24
Total	-5.18	-8.63

1.

Main antenna : 2442 MHz

2.1 Horizontal

◆XY-plane



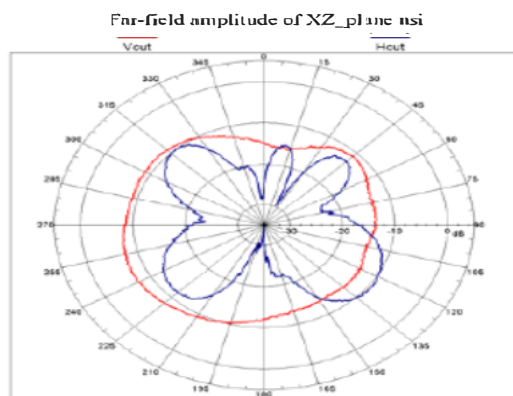
Unit : dBi

	Peak gain	Avg. gain
H cut	-2.68	-8.46
V cut	-12.31	-16.42
Total	-2.88	-8.44

2.2

Vertica

◆XZ-plane

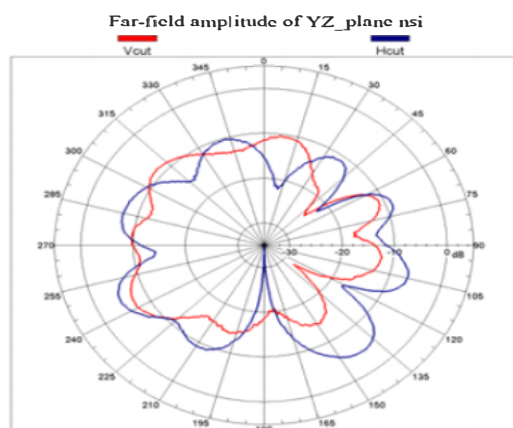


	Peak gain	Avg. gain
H cut	-9.34	-15.46
V cut	-7.29	-11.21
Total	-6.27	-9.66

3. Main antenna : 2480 MHz

3.1 Horizontal

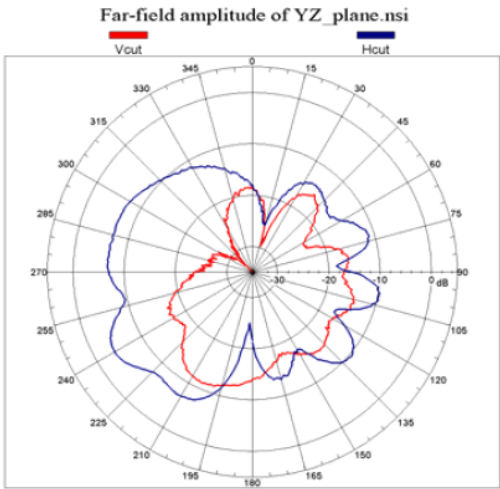
◆YZ-plane



	Peak gain	Avg. gain
H cut	-4.56	-10.22
V cut	-7.44	-12.96
Total	-3.05	-8.66

3.2 Vertical

◆YZ-plane



	Peak gain	Avg. gain
H cut	-3.99	-11.25
V cut	-11.31	-18.08
Total	-3.79	-10.11