

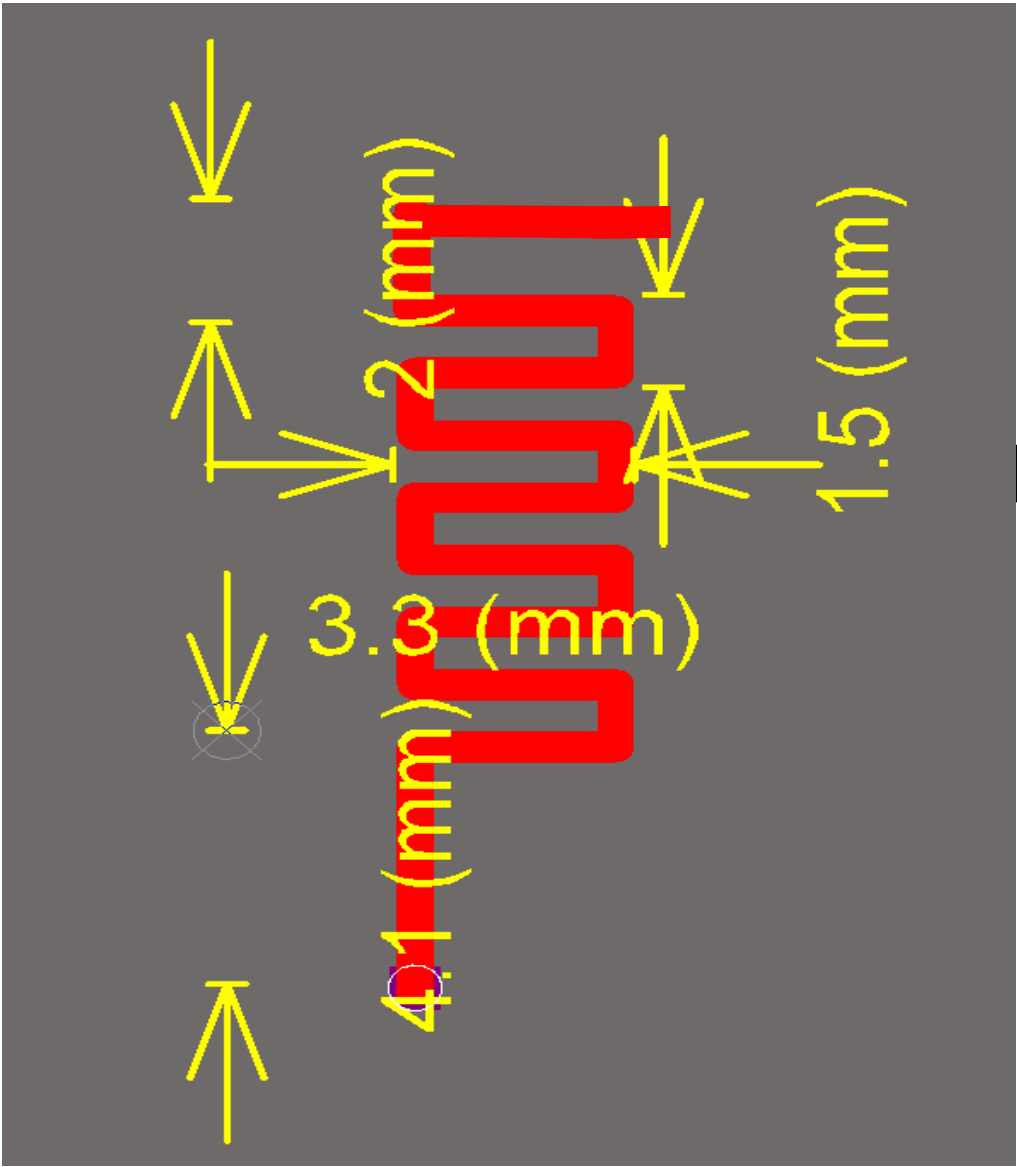
Antenna Specification

Specifications

Summary

ITEM		
SPEC. Model Name	ISM 2.4GHz	
Center Frequency	2402MHz	-3.04 dBi
	2441 MHz	-2.89dBi
	2480MHz	-3.99 dBi
MAX. GAIN	-2.89 dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 Ω	
Antenna Length	4.1cm	

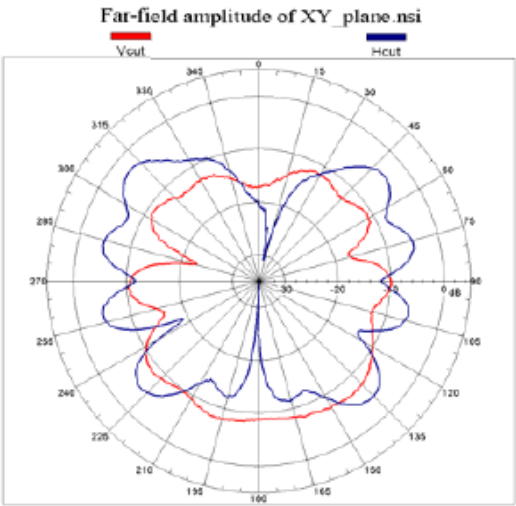
Antenna Photo & Length (mm)



1.
Main antenna : 2402 MHz

1.1 Horizontal

◆XY-plane

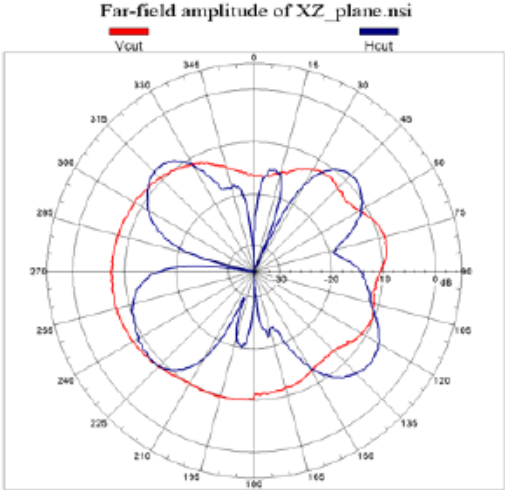


Unit : dBi

	Peak gain	Avg. gain
H cut	-3.04	-8.82
V cut	-7.19	-11.29
Total	-2.52	-6.53

1.2 Vertical

◆XZ-plane

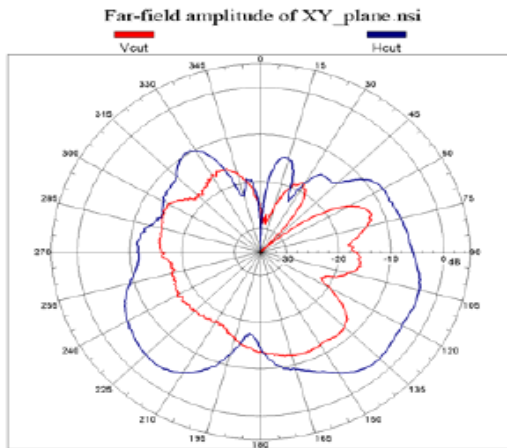


	Peak gain	Avg. gain
H cut	-6.44	-13.24
V cut	-7.34	-10.57
Total	-5.38	-8.35

1.
Main antenna : 2441 MHz

2.1 Horizontal

◆XY-plane



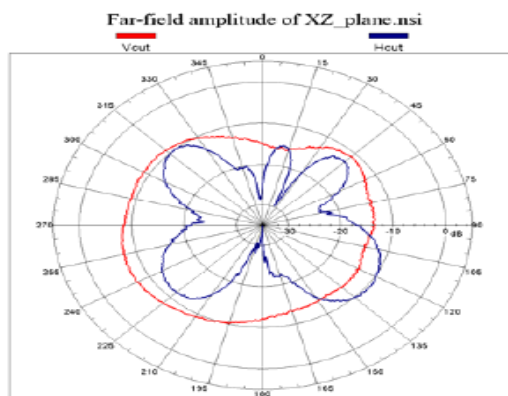
Unit : dBi

	Peak gain	Avg. gain
H cut	-2.89	-8.89
V cut	-11.81	-16.63
Total	-2.39	-8.05

2.2

Vertica

◆XZ-plane

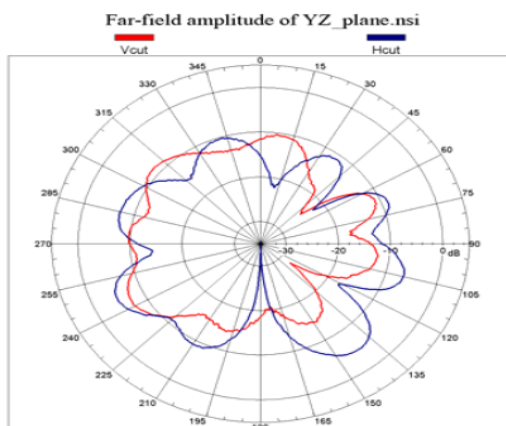


	Peak gain	Avg. gain
H cut	-9.56	-15.85
V cut	-7.29	-11.21
Total	-6.27	-9.66

3. Main antenna : 2480 MHz

3.1 Horizontal

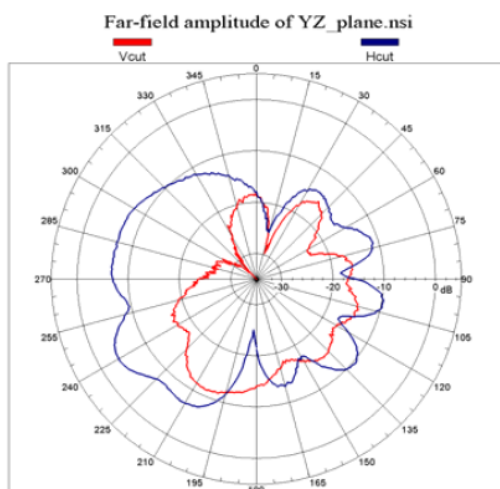
◆YZ-plane



	Peak gain	Avg. gain
H cut	-4.74	-10.75
V cut	-7.09	-13.11
Total	-2.95	-8.49

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

4. Result

Center Frequency	Maximum Ant Gain	
2402MHz	H	-3.04 dBi
	V	-6.44 dBi
2441MHz	H	-2.89dBi
	V	-7.29 dBi
2480 MHz	H	-3.99 dBi
	V	-4.74dBi

Test Address	16 Tzu Chiang Road, Hsinchu Industrial District Hsinchu Hsien 303, Taiwan
Test Date	2009-04-14
Test Instrument	vector network analyzer - R&S ZVB20
Manufacture	Compex Technology Ltd
Manufacture address	C408, Languang Technology Park, Xinxu Road, North District, Science and Technology Park, Nanshan District, Shenzhen