

Antenna Specification

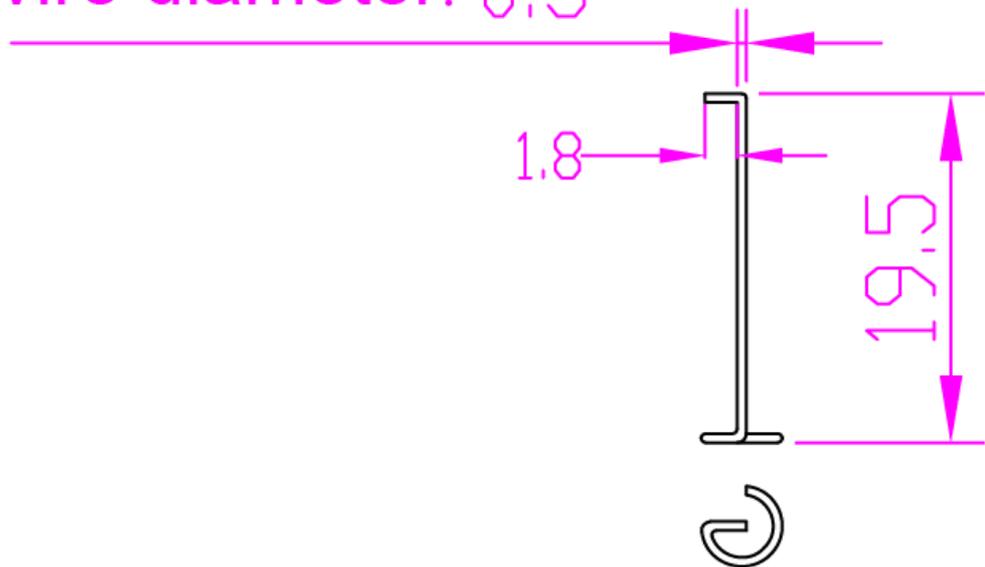
Specifications

Summary

ITEM	SPEC.	
Model Name	FP5X 2.4 GHz	
Center Frequency	2402MHz	1.00 dBi
	2441 MHz	0.25dBi
	2480 MHz	-1.25 dBi
MAX. GAIN	1.00 dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 Ω	

Antenna Photo & Length(mm)

Copper, Wire diameter: 0.5



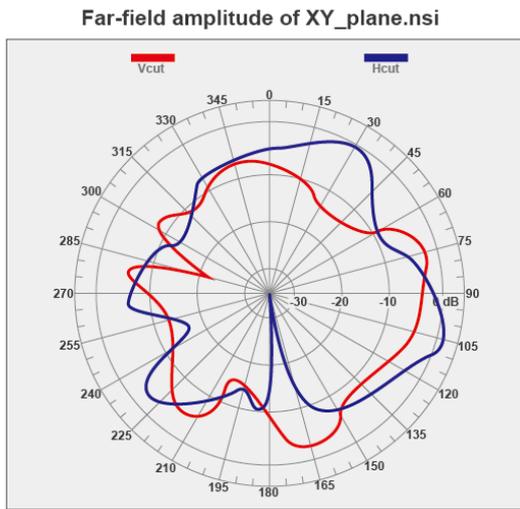


1. Main antenna : 2402 MHz

1.1 Horizontal

Unit : dBi	Peak gain
H cut	1.00
V cut	-0.48
Total	0.52

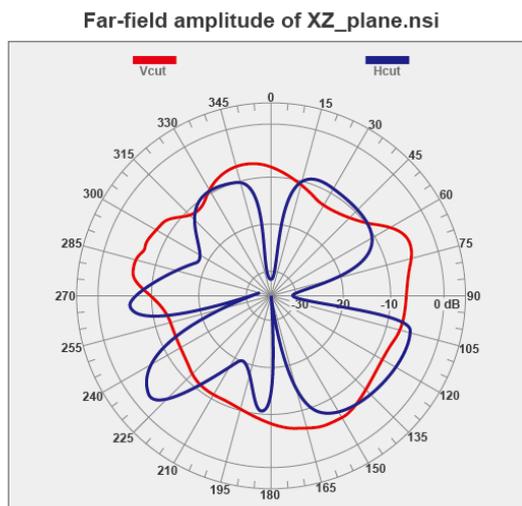
◆XY-plane



1.2 Vertical

Unit : dBi	Peak gain
H cut	-0.86
V cut	-1.24
Total	0.15

◆XZ-plane



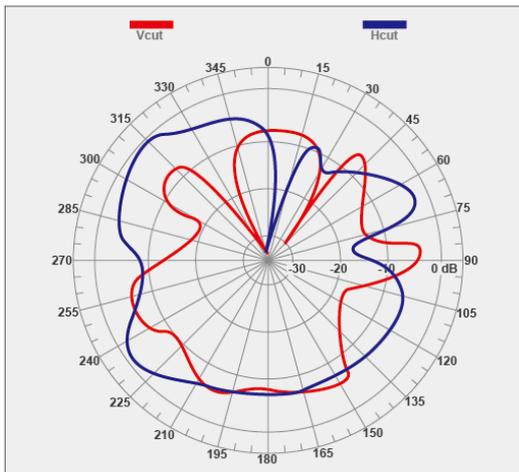
2. Main antenna : 2441 MHz

2.1 Horizontal

Unit : dBi	Peak gain
H cut	0.25
V cut	-1.48
Total	-0.24

◆ XY-plane

Far-field amplitude of XY_plane.nsi

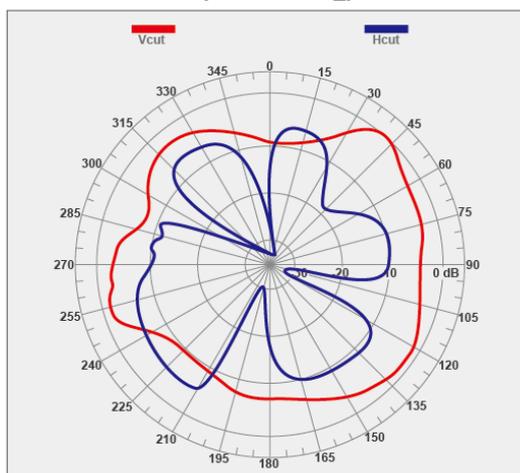


2.2 Vertica

Unit : dBi	Peak gain
H cut	-1.26
V cut	-2.36
Total	-1.15

◆ XZ-plane

Far-field amplitude of XZ_plane.nsi

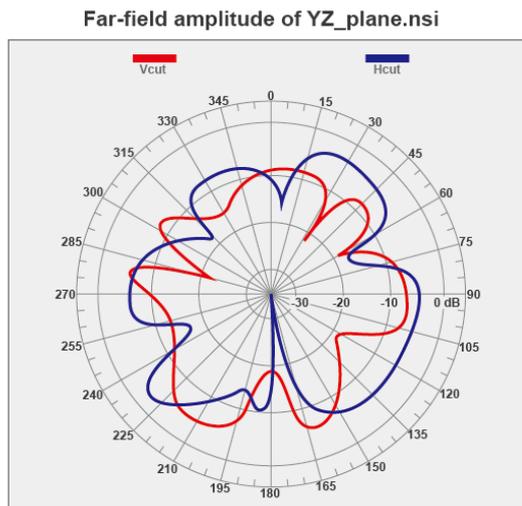


3. Main antenna : 2480 MHz

3.1 Horizontal

Unit : dBi	Peak gain
H cut	-1.25
V cut	-2.98
Total	-1.79

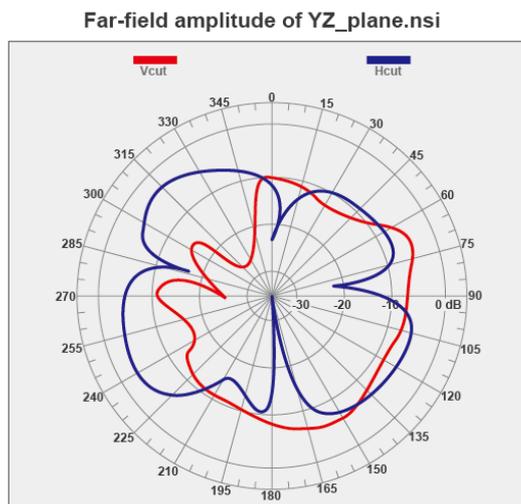
◆ YZ-plane



3.2 Vertical

Unit : dBi	Peak gain
H cut	-2.86
V cut	-3.24
Total	-2.15

◆ YZ-plane



4. Result

Center Frequency		Maximum Ant Gain
2402MHz	H	1 dBi
	V	-0.48 dBi
2441 MHz	H	0.25 dBi
	V	-1.48 dBi
2480 MHz	H	-1.25 dBi
	V	-2.98 dBi