

Quanta NT1 Antenna Test Report

Chia-Ming Kuo

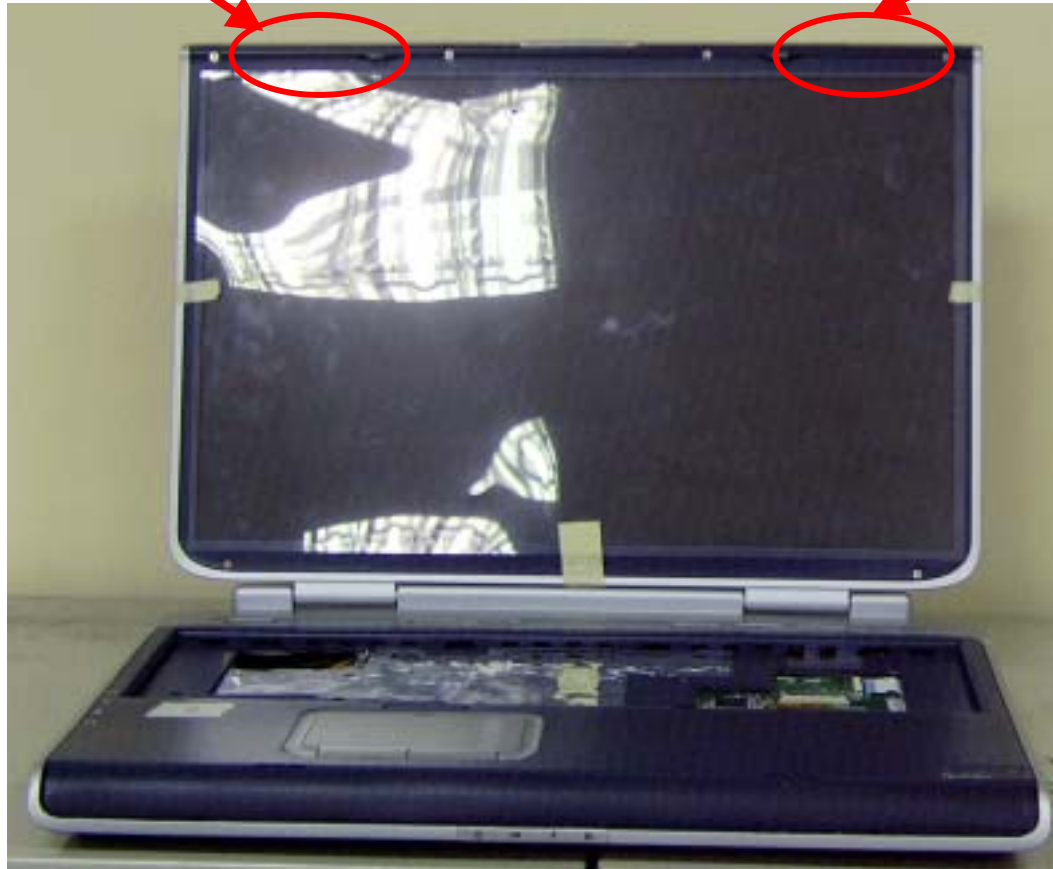
Antenna Position



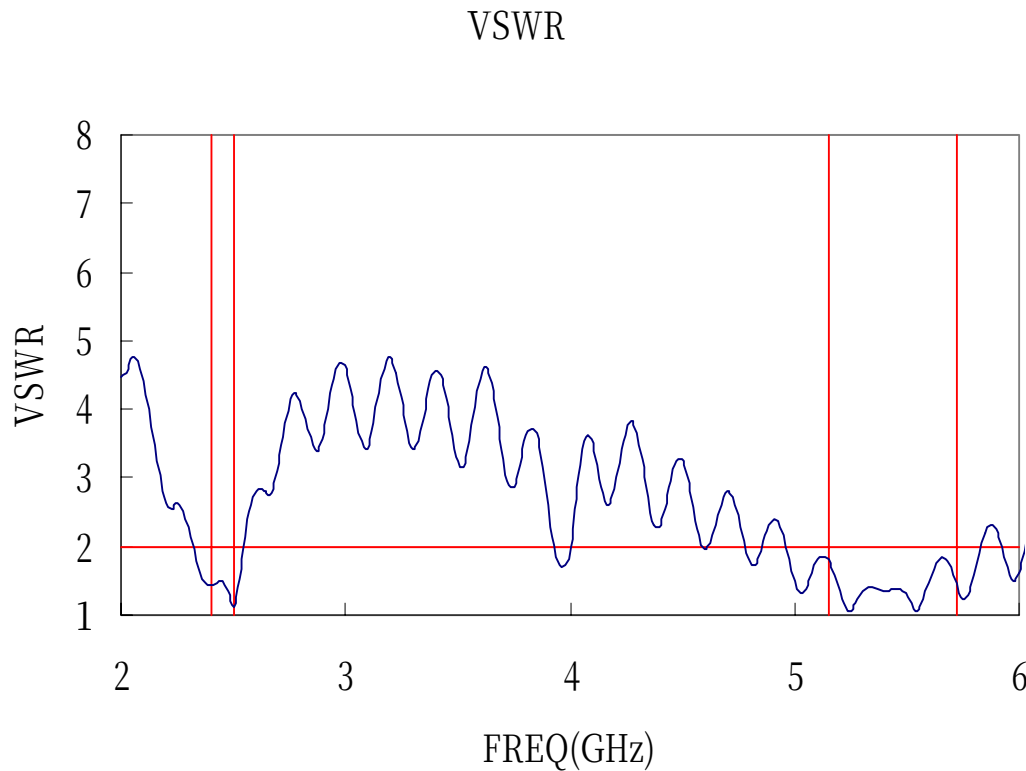
Left Antenna



Right Antenna



VSWR For Right Antenna



2.4 GHz = 1.45

2.5 GHz = 1.16

5.15 GHz = 1.81

5.47 GHz = 1.38

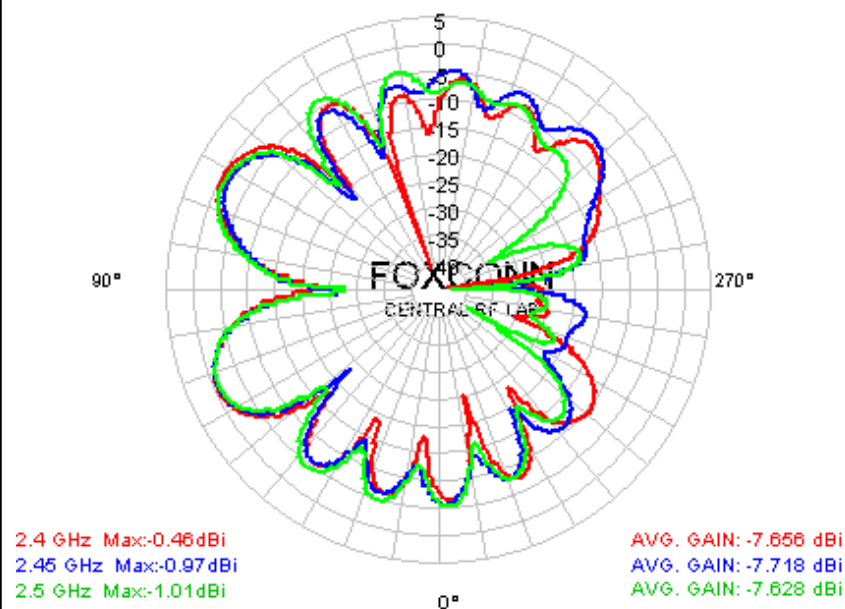
5.725 GHz = 1.45

Cable Length = 490mm

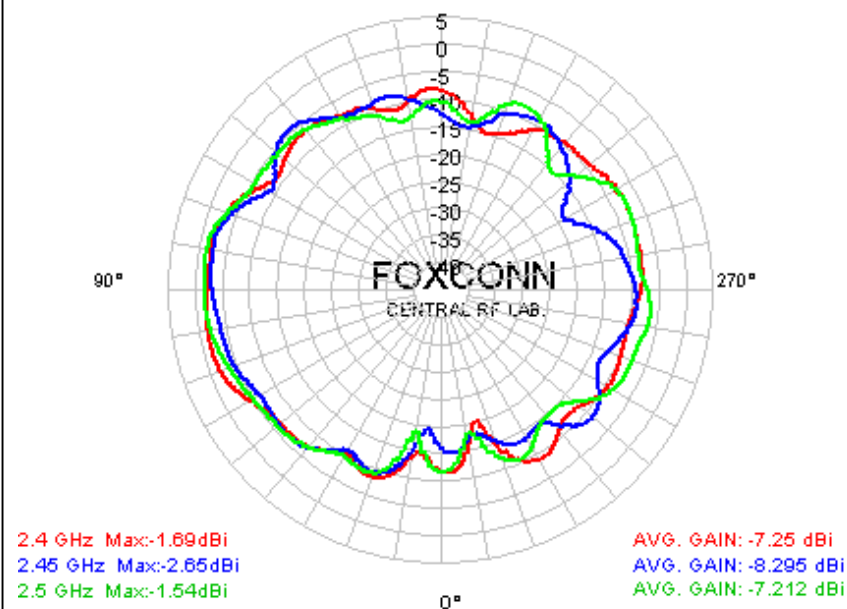
X-Y Plane Radiation Pattern of Right Antenna

2.4 ~2.5 GHz

HORIZONTAL POLARIZATION



VERTICAL POLARIZATION



Right Antenna Average Gain

2.4 ~ 2.5 GHz

(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-7.66	-7.72	-7.63
XY--V	-7.25	-8.30	-7.21
Average Gain	-4.44	-4.99	-4.40

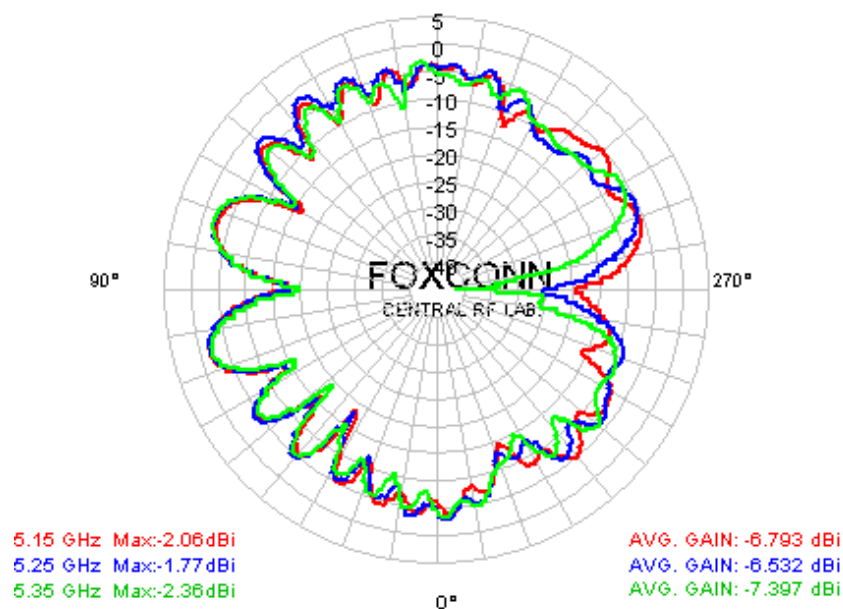
PEAK GAIN

(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-0.46	-0.97	-1.01
XY--V	-1.69	-2.65	-1.54

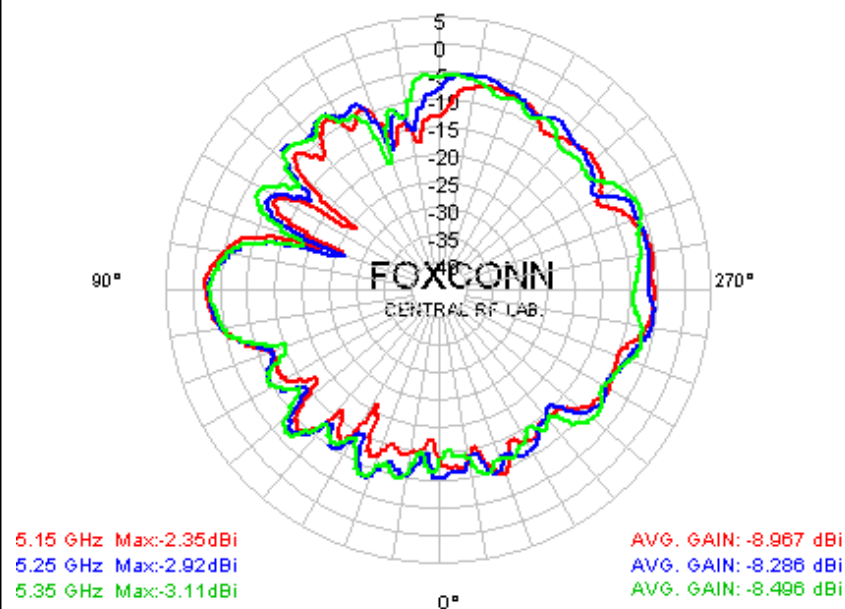
X-Y Plane Radiation Pattern of Right Antenna

5.15 ~5.35 GHz

HORIZONTAL POLARIZATION



VERTICAL POLARIZATION



Right Antenna Average Gain

5.15 ~ 5.35 GHz

(dBi)	5150 MHz	5250 MHz	5350 MHz
XY-H	-6.79	-6.53	-7.40
XY--V	-8.97	-8.29	-8.50
Average Gain	-4.74	-4.31	-4.90

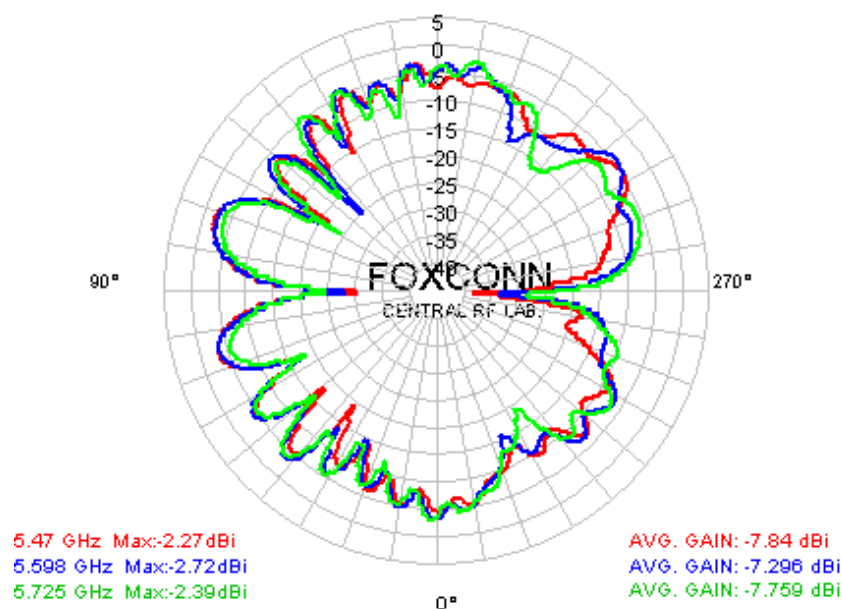
PEAK GAIN

(dBi)	5150 MHz	5250 MHz	5350 MHz
XY-H	-2.06	-1.77	-2.36
XY--V	-2.35	-2.92	-3.11

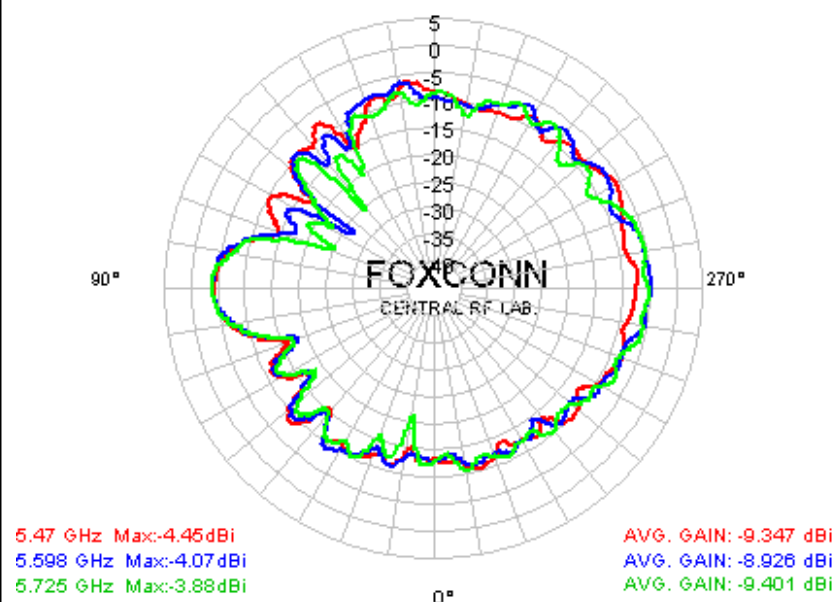
X-Y Plane Radiation Pattern of Right Antenna

5.47 ~5.725 GHz

HORIZONTAL POLARIZATION



VERTICAL POLARIZATION



Right Antenna Average Gain

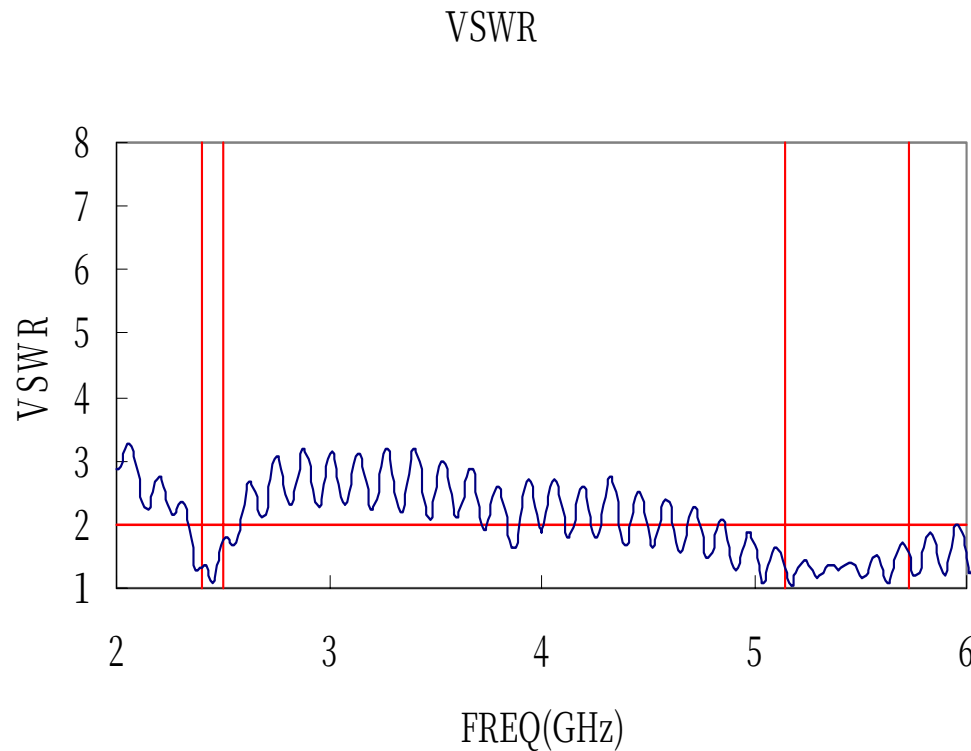
5.47 ~ 5.725 GHz

(dBi)	5470 MHz	5600 MHz	5725 MHz
XY-H	-7.84	-7.30	-7.76
XY-V	-9.35	-8.93	-9.40
Average Gain	-5.52	-5.02	-5.49

PEAK GAIN

(dBi)	5470 MHz	5600 MHz	5725 MHz
XY-H	-2.27	-2.72	-2.39
XY--V	-4.45	-4.07	-3.88

VSWR For Left Antenna



2.4 GHz = 1.31

2.5 GHz = 1.75

5.15 GHz = 1.34

5.47 GHz = 1.35

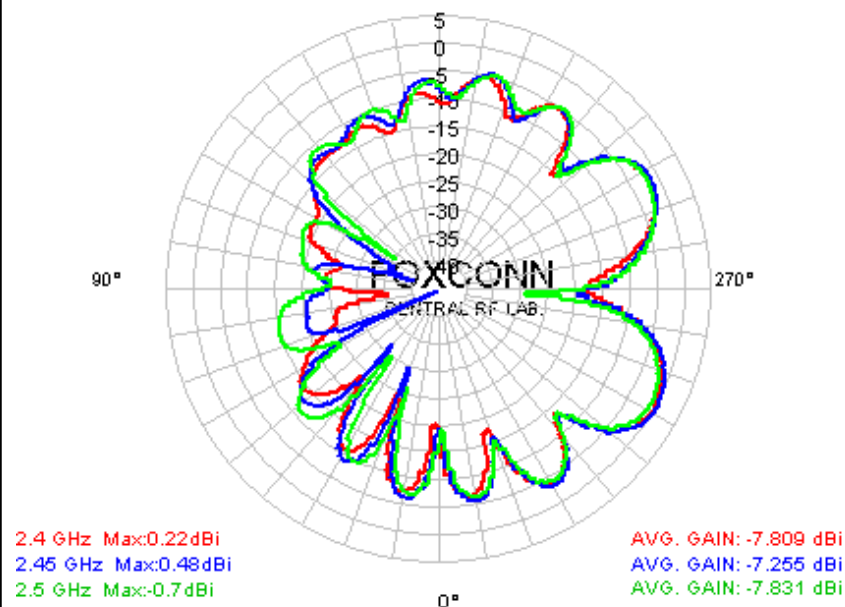
5.725 GHz = 1.55

Cable Length = 790mm

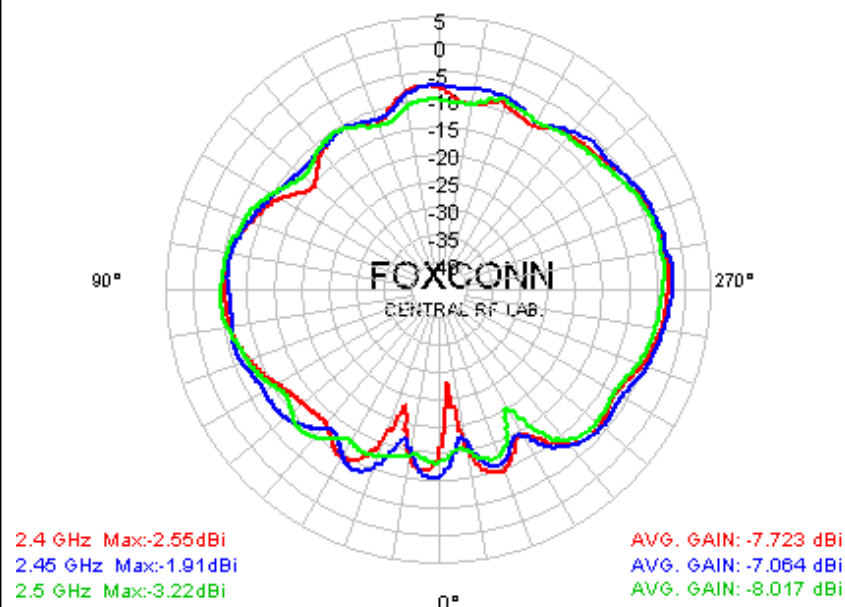
X-Y Plane Radiation Pattern of Left Antenna

2.4 ~2.5 GHz

HORIZONTAL POLARIZATION



VERTICAL POLARIZATION



Left Antenna Average Gain

2.4 ~ 2.5 GHz

(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-7.81	-7.26	-7.83
XY--V	-7.72	-7.06	-8.02
Average Gain	-4.76	-4.15	-4.91

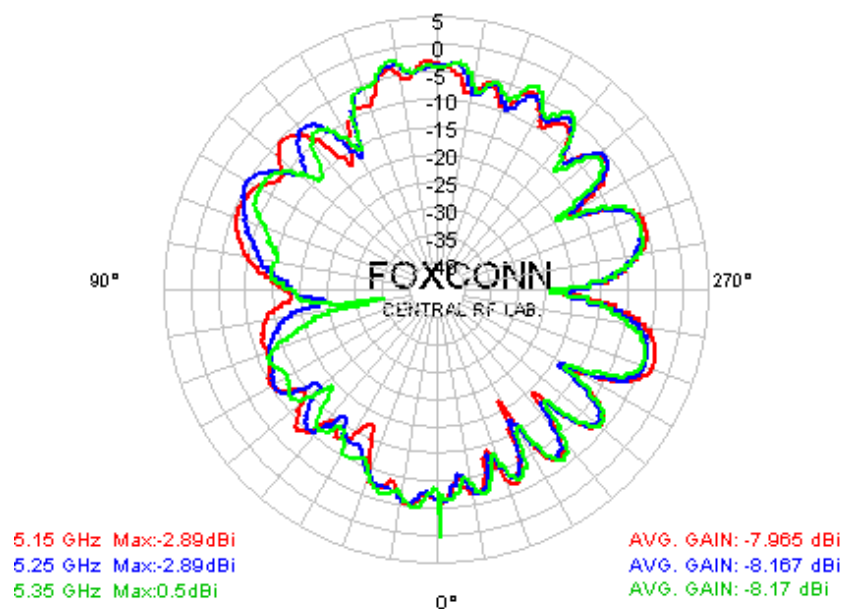
PEAK GAIN

(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	0.22	0.48	-0.70
XY--V	-2.55	-1.91	-3.22

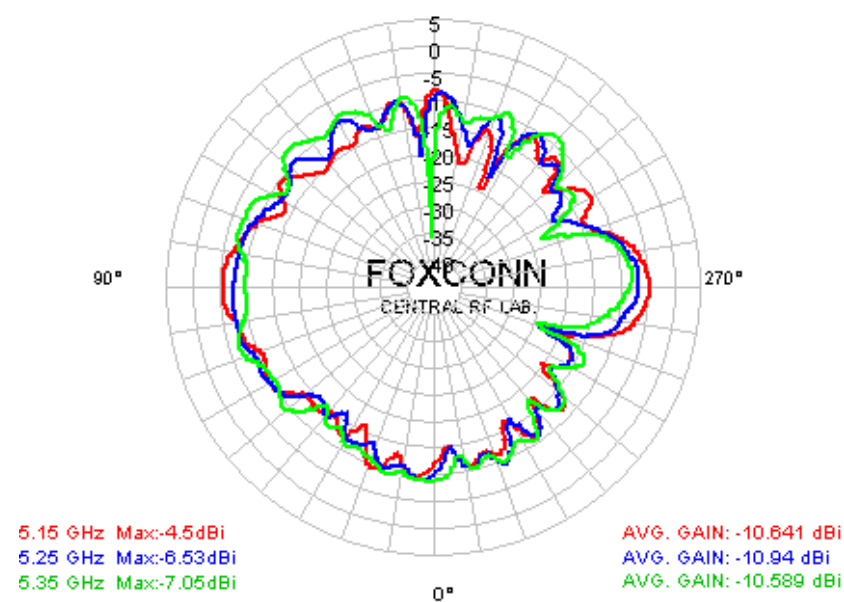
X-Y Plane Radiation Pattern of Left Antenna

5.15 ~5.35 GHz

HORIZONTAL POLARIZATION



VERTICAL POLARIZATION



Left Antenna Average Gain

5.15 ~ 5.35 GHz

(dBi)	5150 MHz	5250 MHz	5350 MHz
XY-H	-7.97	-8.17	-8.17
XY--V	-10.64	-10.94	-10.89
Average Gain	-6.09	-6.33	-6.31

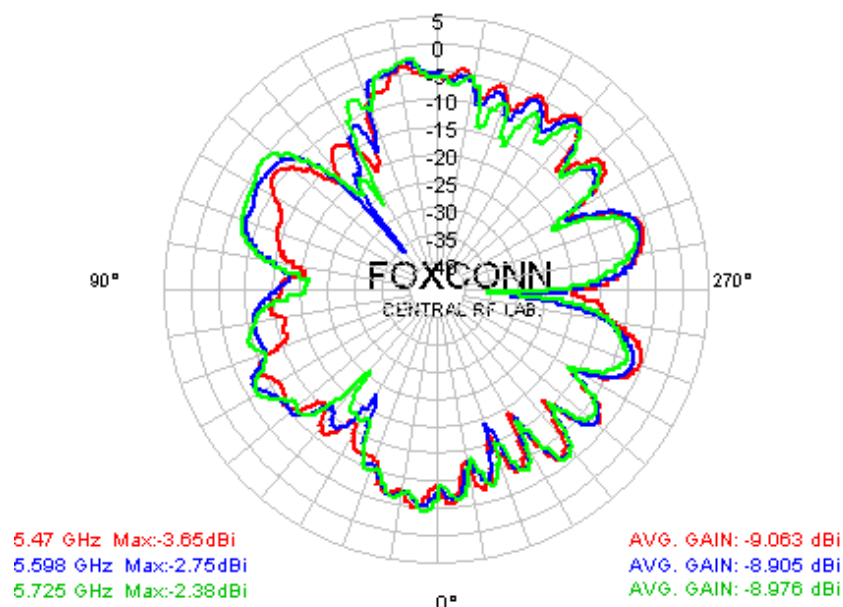
PEAK GAIN

(dBi)	5150 MHz	5250 MHz	5350 MHz
XY-H	-2.89	-2.89	0.50
XY--V	-4.50	-6.53	-7.05

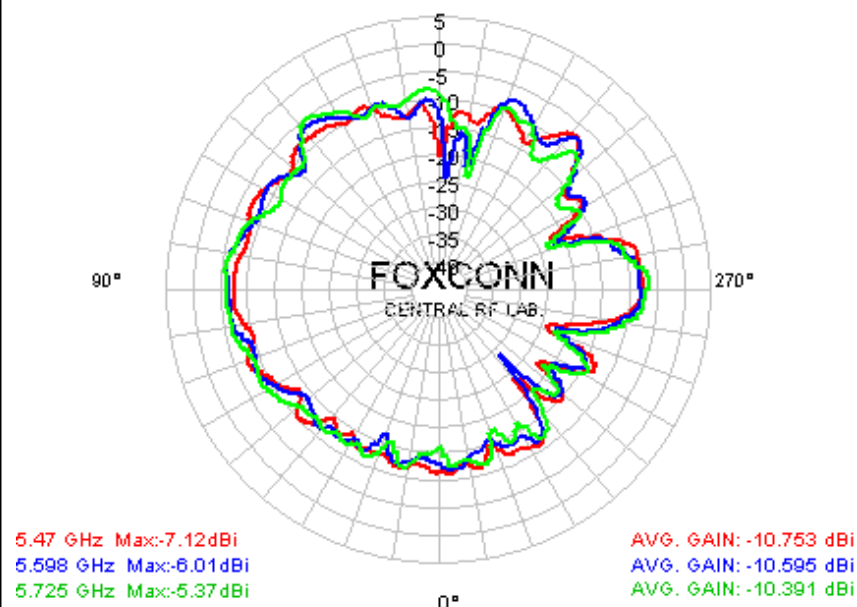
X-Y Plane Radiation Pattern of Left Antenna

5.47 ~5.725 GHz

HORIZONTAL POLARIZATION



VERTICAL POLARIZATION



Left Antenna Average Gain

5.47 ~ 5.725 GHz

(dBi)	5470 MHz	5600 MHz	5725 MHz
XY-H	-9.06	-8.91	-8.98
XY-V	-10.75	-10.60	-10.39
Average Gain	-6.82	-6.66	-6.62

PEAK GAIN

(dBi)	5470 MHz	5600 MHz	5725 MHz
XY-H	-3.65	-2.75	-2.38
XY--V	-7.12	-6.01	-5.37