

TO QUANTA COMPUTER CORPORATION
SPECIFICATION FOR APPROVAL

CUSTOMER DWG. NO./PART NO.: TBD REV.: N/A

DESCRIPTION: RF CABLE ASS'Y

FOXCONN PROD. NO.: WDAN-Q1KT5001 REV.: AX1

ATTACHMENTS:

- | | |
|---------------------------------------|---------------------|
| 1. RF CABLE ASSEMBLY DRAWING | <u>315-0900-097</u> |
| 2. DESIGN REVIEW FOR MATERIAL LIST... | <u>ML-097</u> |
| 3. PART DRAWING | <u>SGX0001-00</u> |
| | <u>703-3000-290</u> |
| | <u>014-0000-153</u> |
| | <u>040-0000-389</u> |

PLEASE RETURN TO US ONE COPY OF COVER PAGE OF THE
"SPECIFICATION FOR APPROVAL " WITH YOUR APPROVED SIGNATURES

APPROVED SIGNATURES		



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UNIFORM INVOICE NUMBER: 04541302

Approved by: Sheng Checked by: _____ Prepared by: Paul Zhou

FILE NO.: SFA-097 REVISION NO.: AX1 DATE: Mac 5, 2002

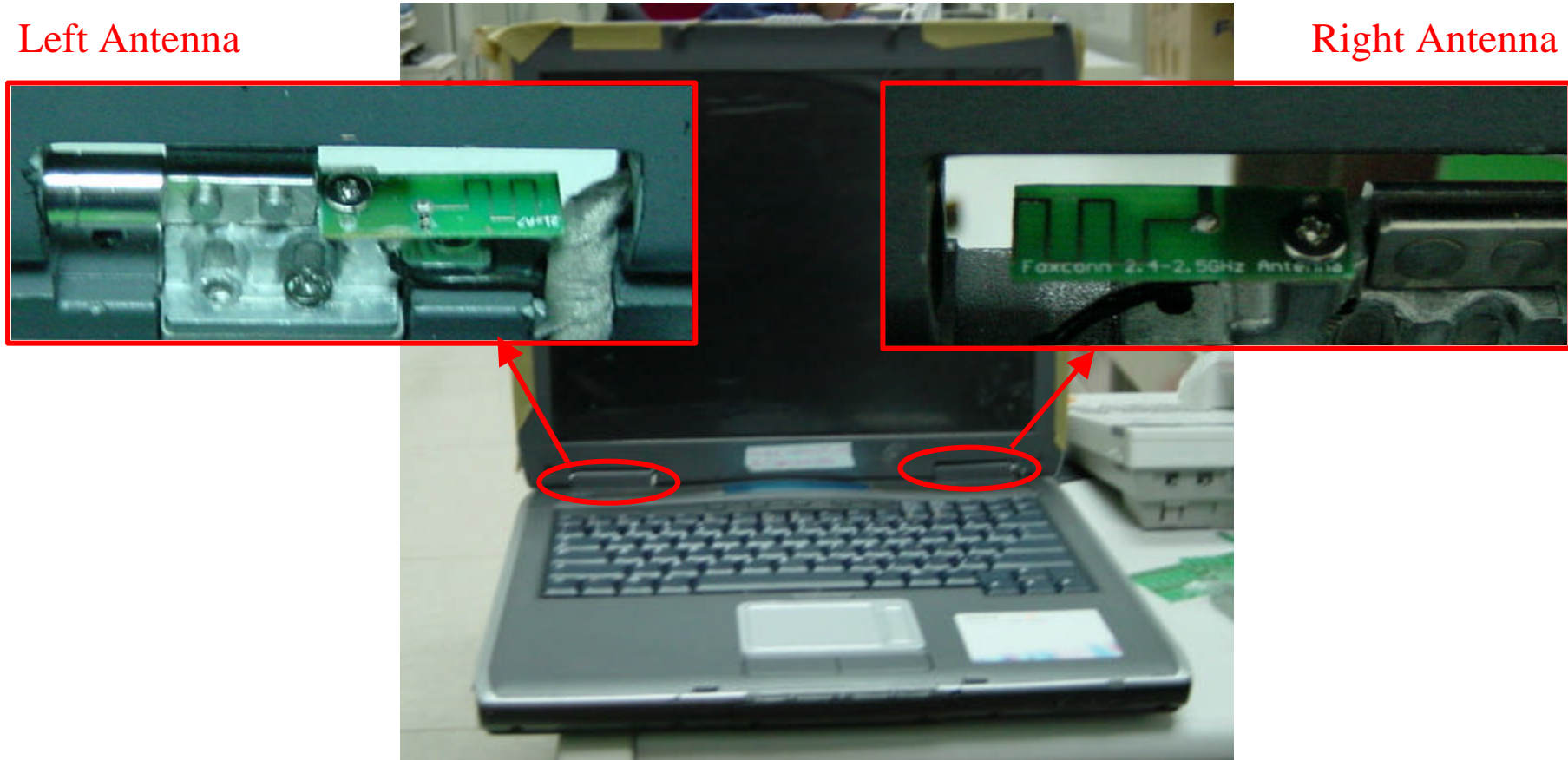
Quanta KT1,5 Antenna Test Report

Sheng Tai

Antenna Location

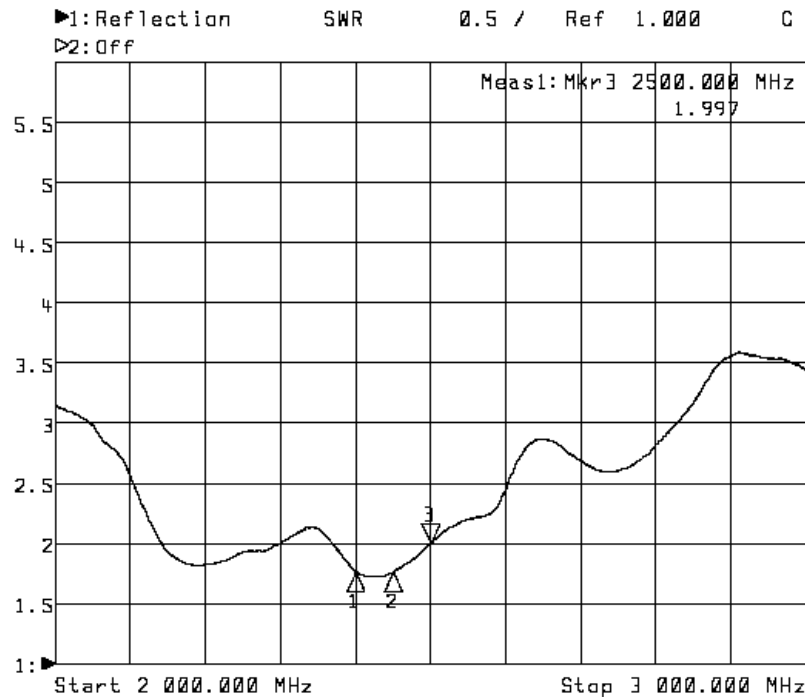
Left Antenna

Right Antenna



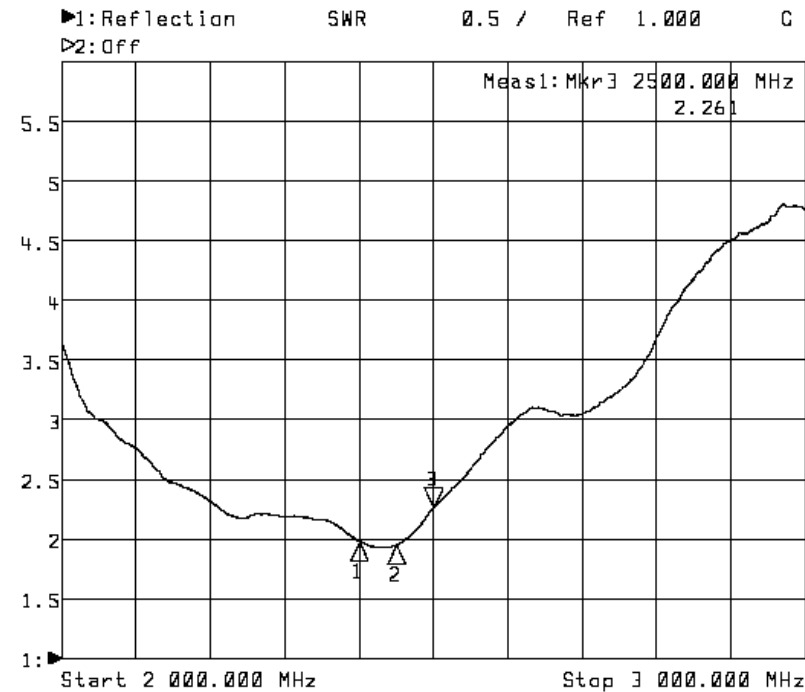
VSWR For Left 14" LCD

1. LCD Open



1: Mkr (MHz)	2: Mkr (MHz)	dB
1: 2400.0000		1.761
2: 2450.0000		1.760
3: 2500.0000		1.997

2. LCD Close

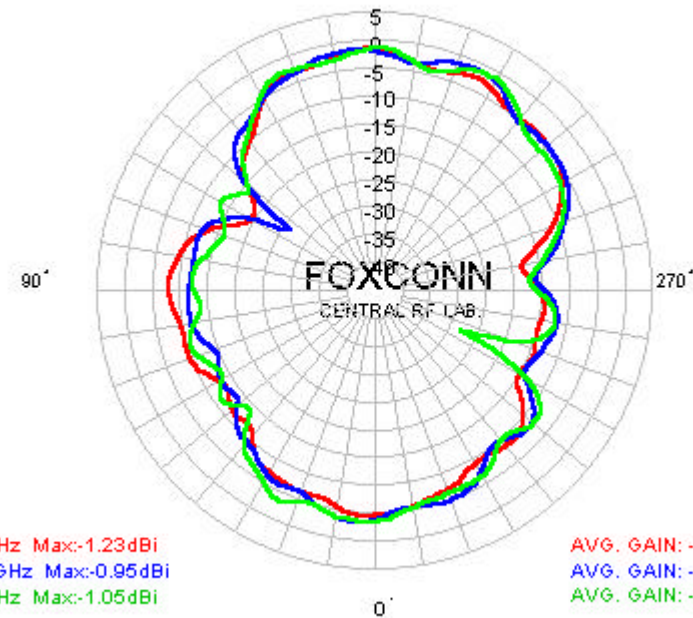
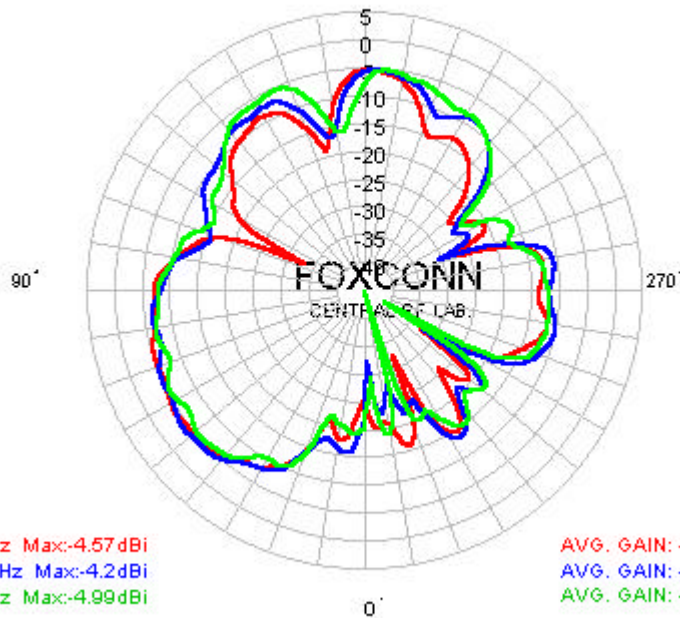


1: Mkr (MHz)	2: Mkr (MHz)	dB
1: 2400.0000		1.979
2: 2450.0000		1.948
3: 2500.0000		2.261

XY Plane Radiation Pattern For Left 14" LCD (Open)

HORIZONTAL POLARIZATION

VERTICAL POLARIZATION



Average Gain For Left 14" LCD Antenna (Open)

(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-10.51	-9.77	-9.98
XY--V	-6.70	-6.16	-6.21
Total Average Gain	-5.19	-4.59	-4.69

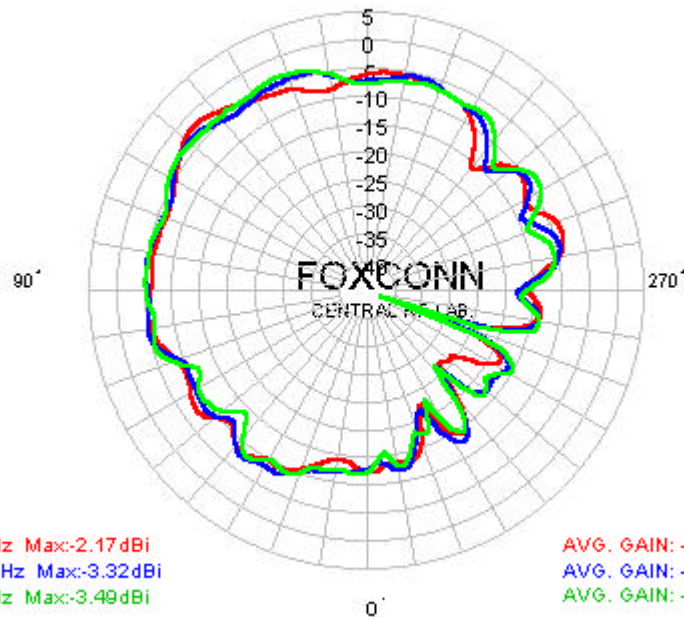
PEAK GAIN

(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-4.57	-4.20	-4.99
XY--V	-1.23	-0.95	-6.00

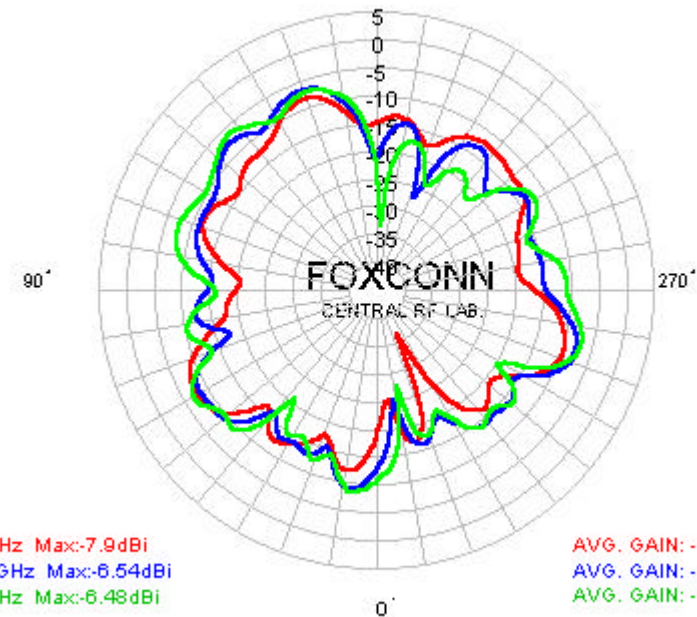
XY Plane Radiation Pattern For Left 14" LCD (Close)

HORIZONTAL POLARIZATION

VERTICAL POLARIZATION



AVG. GAIN: -8.338 dBi
AVG. GAIN: -8.176 dBi
AVG. GAIN: -8.109 dBi



AVG. GAIN: -13.21 dBi
AVG. GAIN: -11.87 dBi
AVG. GAIN: -11.133 dBi

Average Gain For Left 14" LCD Antenna (Close)

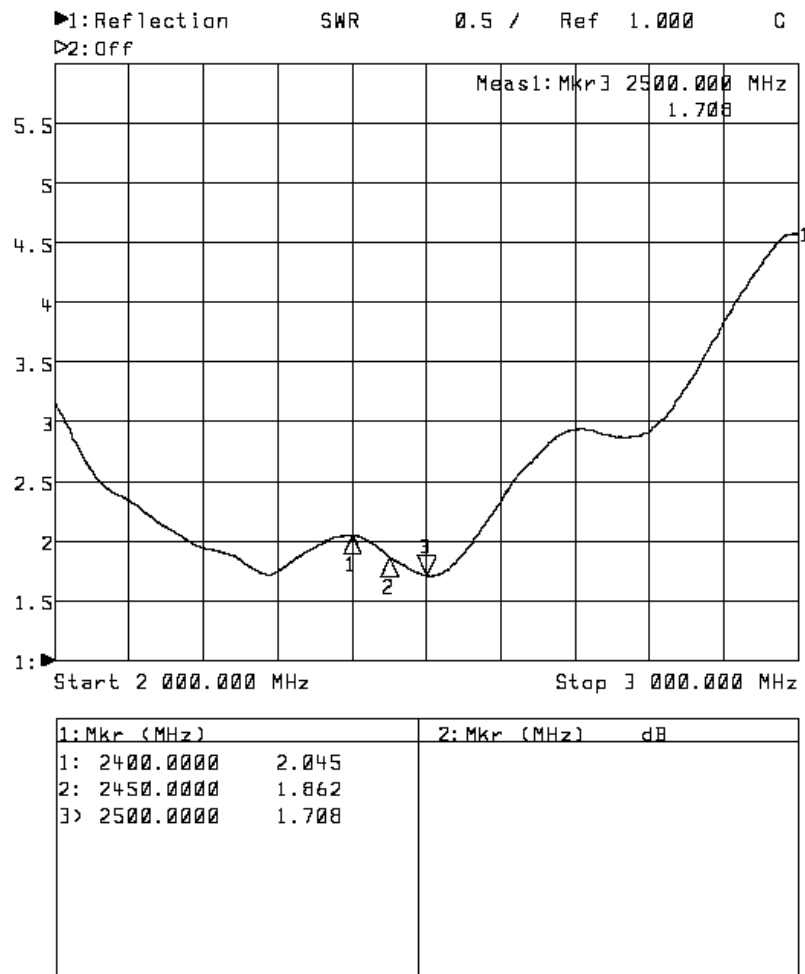
(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-8.34	-8.17	-8.10
XY--V	-13.21	-11.87	-11.13
Total Average Gain	-7.11	-6.63	-6.35

PEAK GAIN

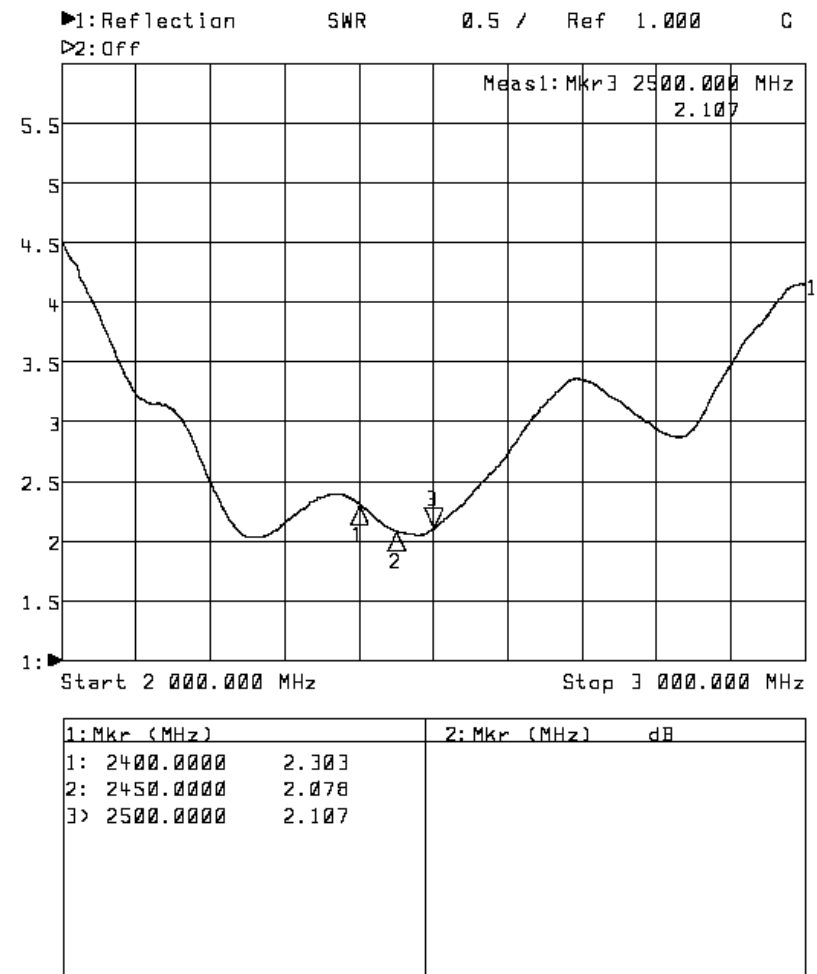
(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-2.17	-3.32	-3.49
XY--V	-7.90	-6.54	-6.48

VSWR For Left 15" LCD

1. LCD Open



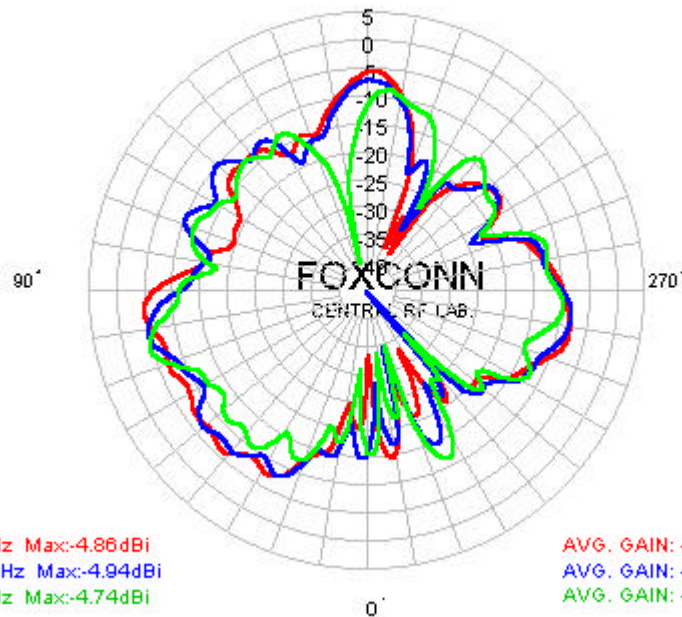
2. LCD Close



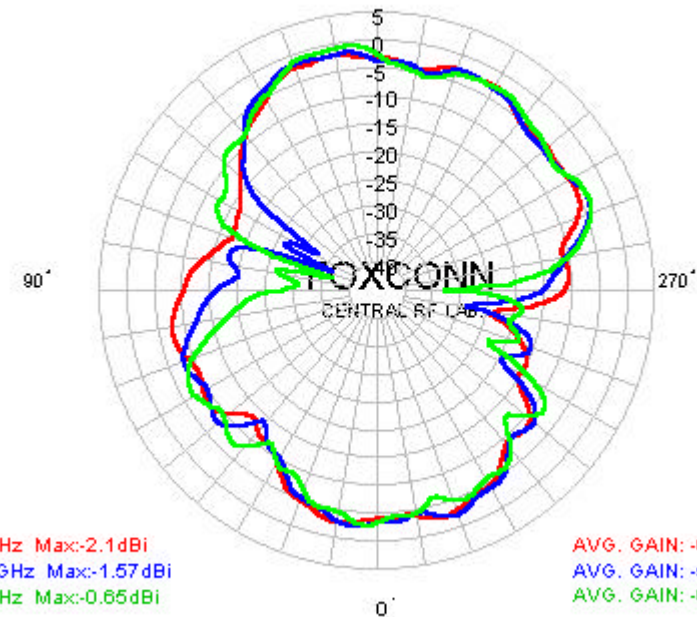
XY Plane Radiation Pattern For Left 15" LCD (Open)

HORIZONTAL POLARIZATION

VERTICAL POLARIZATION



AVG. GAIN: -11.26 dBi
AVG. GAIN: -11.556 dBi
AVG. GAIN: -12.902 dBi



AVG. GAIN: -6.052 dBi
AVG. GAIN: -5.937 dBi
AVG. GAIN: -6.032 dBi

Average Gain For Left 15" LCD Antenna (Open)

(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-11.26	-11.55	-12.90
XY--V	-6.05	-5.93	-6.03
Total Average Gain	-4.91	-4.88	-5.22

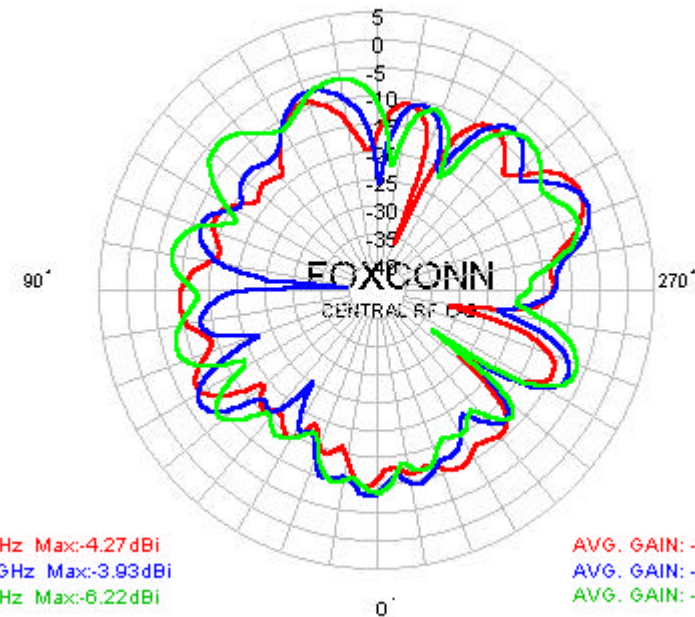
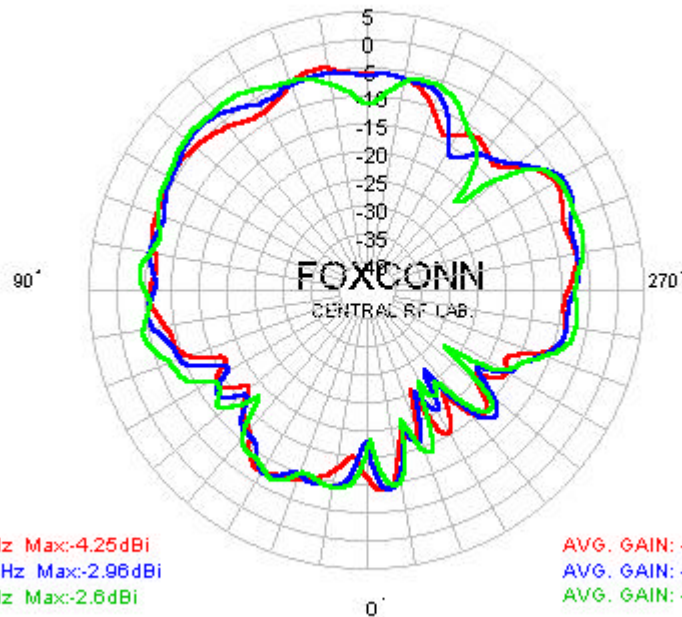
PEAK GAIN

(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-4.86	-4.94	-4.74
XY--V	-2.10	-1.57	-0.65

XY Plane Radiation Pattern For Left 15" LCD (Close)

HORIZONTAL POLARIZATION

VERTICAL POLARIZATION



Average Gain For Left 15" LCD Antenna (Close)

(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-8.35	-7.80	-7.23
XY--V	-11.55	-10.86	-10.15
Total Average Gain	-6.65	-6.06	-5.44

PEAK GAIN

(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-4.25	-2.96	-2.60
XY--V	-4.27	-3.93	-6.22

Summary Of Total Average Gain

14" LCD Open (Left)				15" LCD Open (Left)			
(dBi)	2400 MHz	2450 MHz	2500 MHz	(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-10.51	-9.77	-9.98	XY-H	-11.26	-11.55	-12.90
XY--V	-6.70	-6.16	-6.21	XY--V	-6.05	-5.93	-6.03
Total Average Gain	-5.19	-4.59	-4.69	Total Average Gain	-4.91	-4.88	-5.22
14" LCD Close (Left)				15" LCD Close (Left)			
(dBi)	2400 MHz	2450 MHz	2500 MHz	(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-8.34	-8.17	-8.10	XY-H	-8.35	-7.80	-7.23
XY--V	-13.21	-11.87	-11.13	XY--V	-11.55	-10.86	-10.15
Total Average Gain	-7.11	-6.63	-6.35	Total Average Gain	-6.65	-6.06	-5.44
14" LCD Open (Right)				15" LCD Open (Right)			
(dBi)	2400 MHz	2450 MHz	2500 MHz	(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-10.91	-10.57	-11.13	XY-H	-9.92	-10.49	-11.83
XY--V	-6.77	-6.33	-6.35	XY--V	-6.59	-6.26	-5.55
Total Average Gain	-5.35	-4.94	-5.10	Total Average Gain	-4.93	-4.87	-4.63
14" LCD Close (Right)				15" LCD Close (Right)			
(dBi)	2400 MHz	2450 MHz	2500 MHz	(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-12.35	-12.82	-13.86	XY-H	-12.99	-12.68	-12.15
XY--V	-9.18	-8.29	-9.68	XY--V	-8.21	-8.15	-8.16
Total Average Gain	-7.47	-6.98	-8.28	Total Average Gain	-6.96	-6.84	-6.70

Summary Of Peak Gain

14" LCD Open (Left)				15" LCD Open (Left)			
(dBi)	2400 MHz	2450 MHz	2500 MHz	(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-4.57	-4.20	-4.99	XY-H	-4.86	-4.94	-4.74
XY--V	-1.23	-0.95	-6.00	XY--V	-2.10	-1.57	-0.65
14" LCD Close (Left)				15" LCD Close (Left)			
(dBi)	2400 MHz	2450 MHz	2500 MHz	(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-2.17	-3.32	-3.49	XY-H	-4.25	-2.96	-2.60
XY--V	-7.90	-6.54	-6.48	XY--V	-4.27	-3.93	-6.22
14" LCD Open (Right)				15" LCD Open (Right)			
(dBi)	2400 MHz	2450 MHz	2500 MHz	(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-4.24	-2.64	-2.84	XY-H	-2.80	-2.80	-3.51
XY--V	-2.27	-1.86	-1.51	XY--V	-1.73	-1.97	-1.89
14" LCD Close (Right)				15" LCD Close (Right)			
(dBi)	2400 MHz	2450 MHz	2500 MHz	(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-6.65	-7.22	-8.09	XY-H	-6.96	-7.85	-5.89
XY--V	-4.84	-3.91	-6.17	XY--V	-3.44	-2.98	-2.58