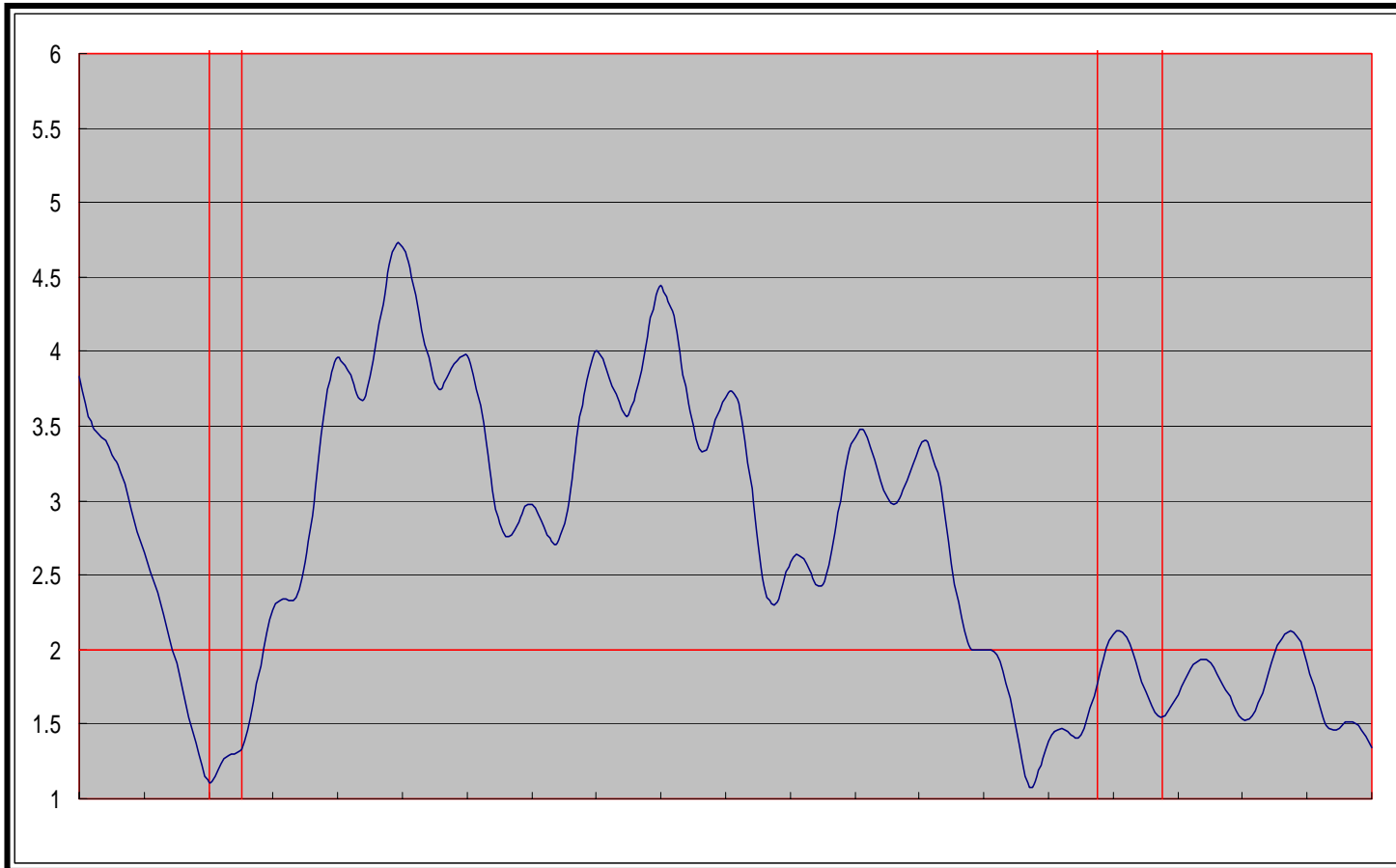


FOXCONN NWInG

Antenna Engineering Test Report

Quanta ZI2 WLAN Antenna

VSWR of WLAN Left Antenna



2.4 GHz = 1.10

2.4 GHz = 1.33

5.15GHz = 1.72

5.25GHz = 2.01

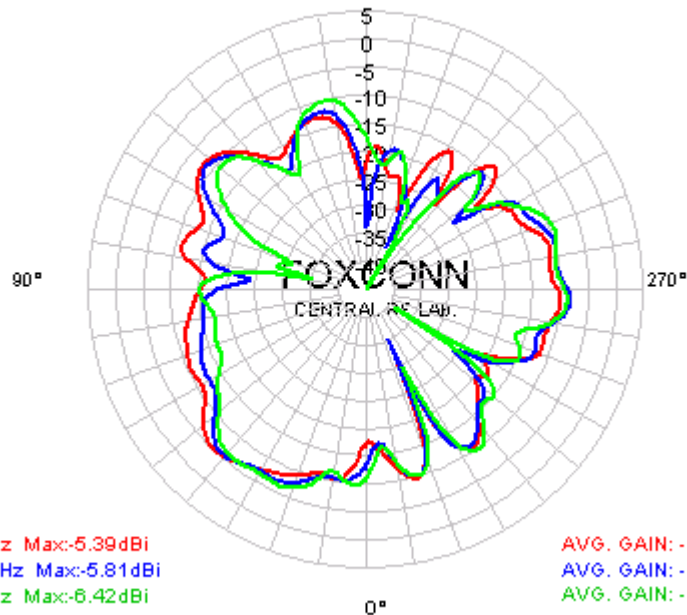
5.35GHz = 1.55

Cable length = 110+390 mm

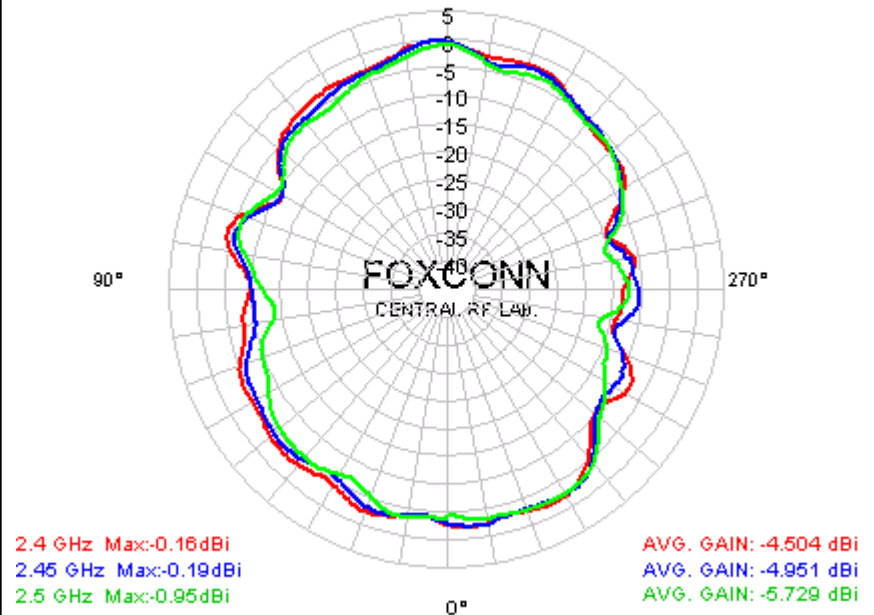
X-Y Plane Radiation Pattern of WLAN Left Antenna

2.4GHz~2.5GHz

HORIZONTAL POLARIZATION



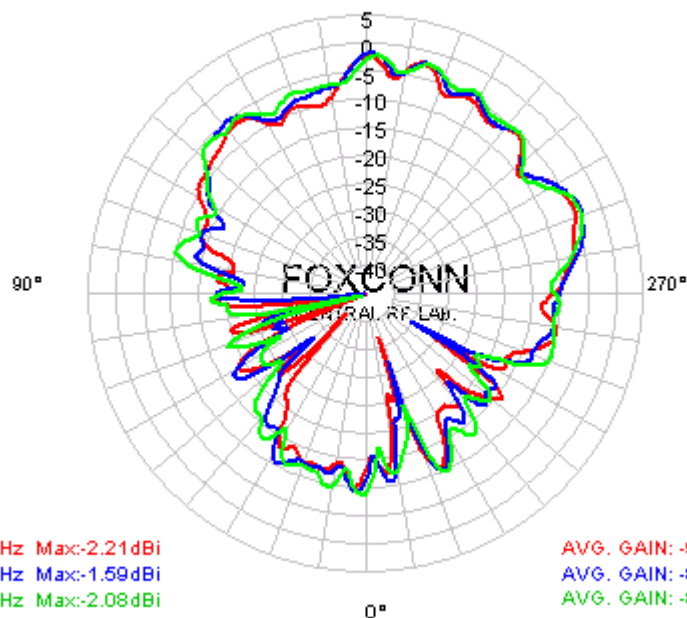
VERTICAL POLARIZATION



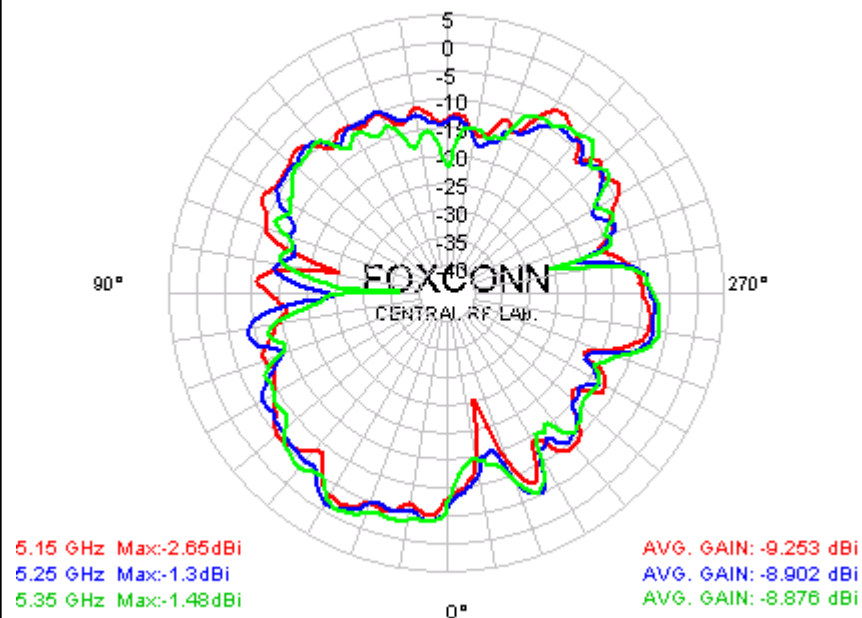
X-Y Plane Radiation Pattern of WLAN Left Antenna

5.15GHz~5.35GHz

HORIZONTAL POLARIZATION



VERTICAL POLARIZATION



X-Y Plane Gain of WLAN Left Antenna

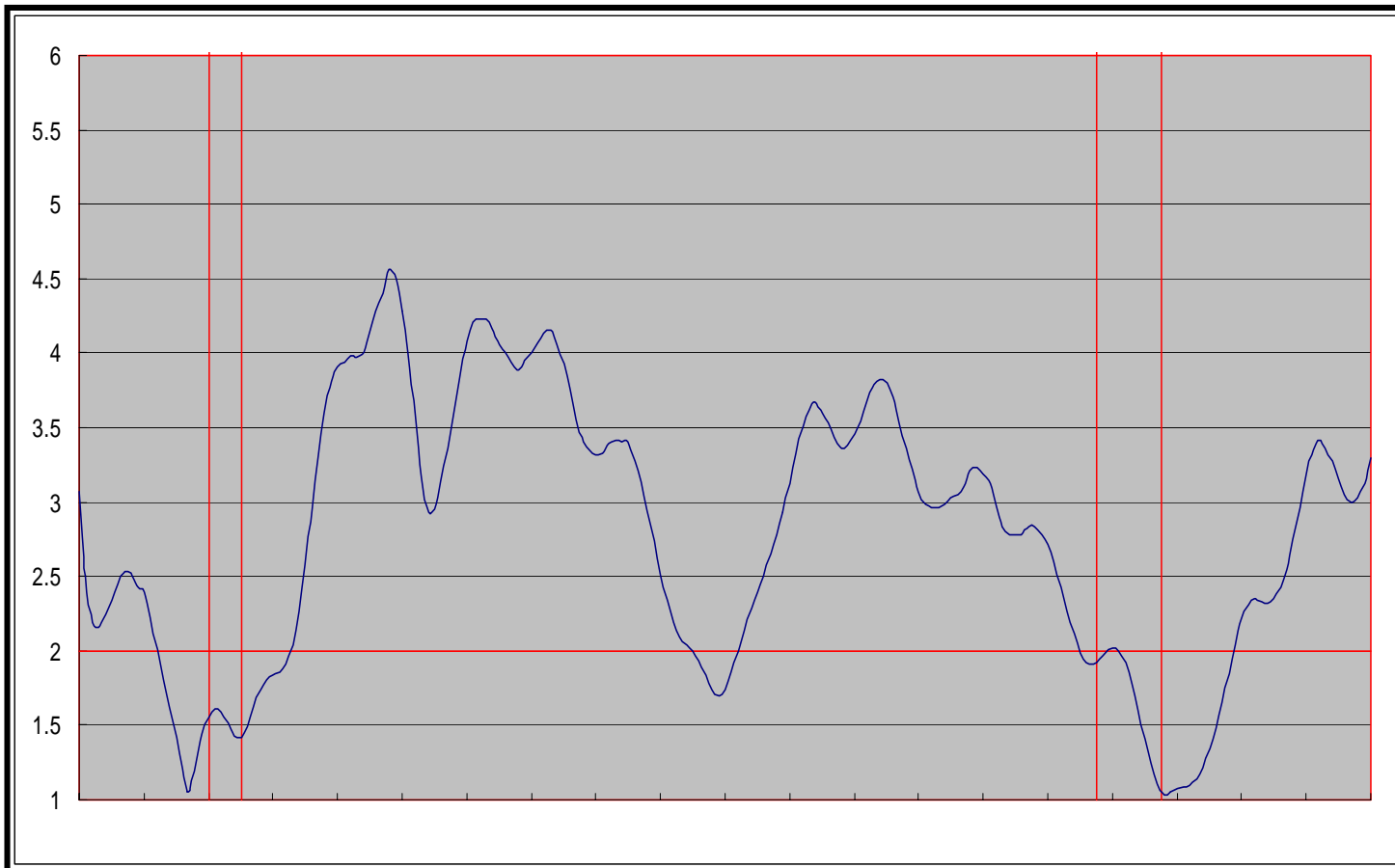
Average Gain

Freq(GHz)	2.4	2.45	2.5	5.15	5.25	5.35
XY-H(dBi)	-11.93	-12.30	-12.39	-9.46	-8.73	-8.56
XY-V(dBi)	-4.50	-4.95	-5.72	-9.25	-8.90	-8.87
Average Gain	-3.78	-4.22	-4.87	-6.34	-5.80	-5.70

Peak Gain

Freq(GHz)	2.4	2.45	2.5	5.15	5.25	5.35
XY-H(dBi)	-5.39	-5.81	-6.42	-2.21	-1.59	-2.08
XY-V(dBi)	-0.16	-0.19	-0.95	-2.65	-1.30	-1.48

VSWR of WLAN Right Antenna



2.4 GHz = 1.56

2.4 GHz = 1.42

5.15GHz = 1.92

5.25GHz = 1.85

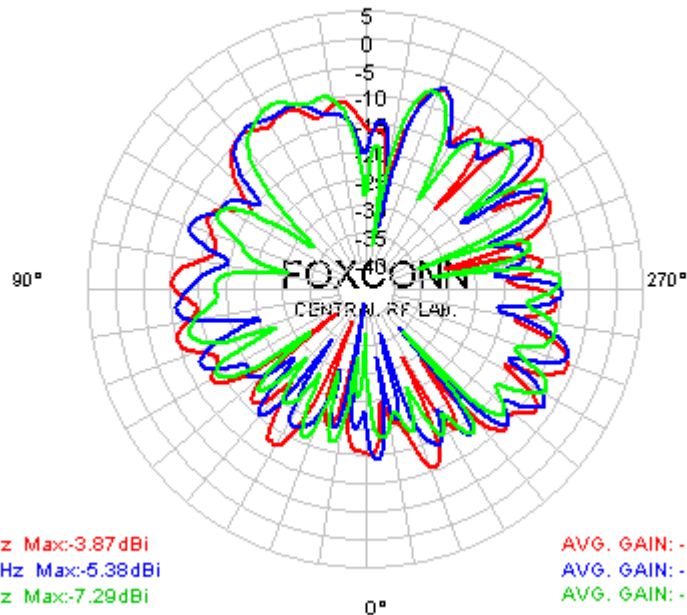
5.35GHz = 1.10

Cable length = 420 mm

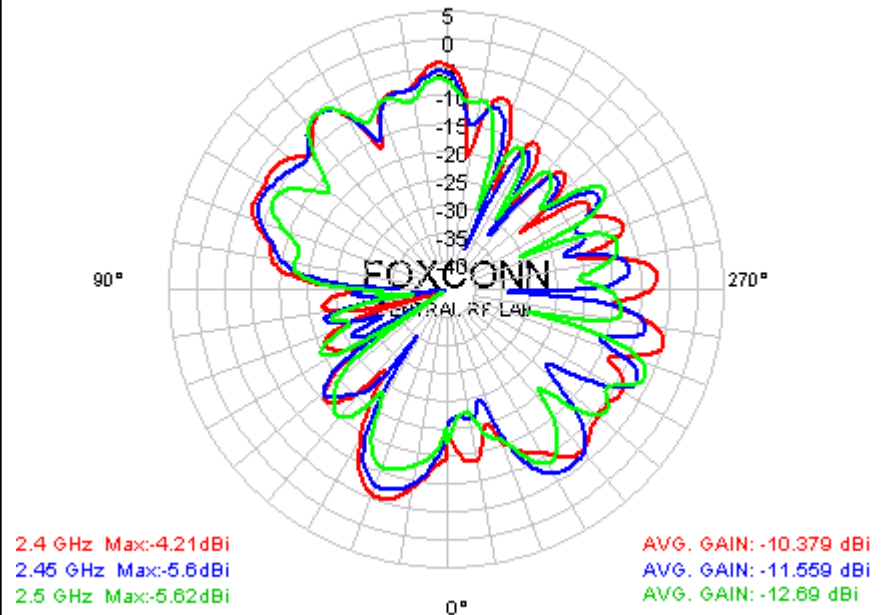
X-Y Plane Radiation Pattern of WLAN Right Antenna

2.4 GHz~2.5 GHz

HORIZONTAL POLARIZATION



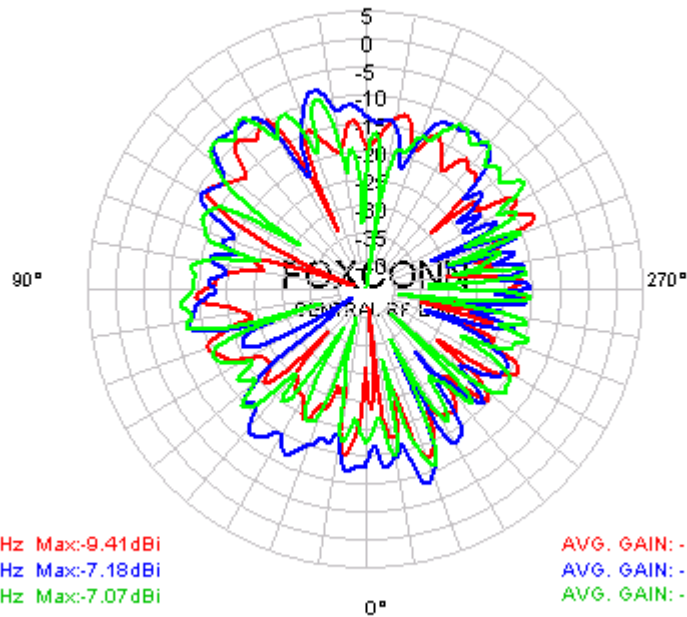
VERTICAL POLARIZATION



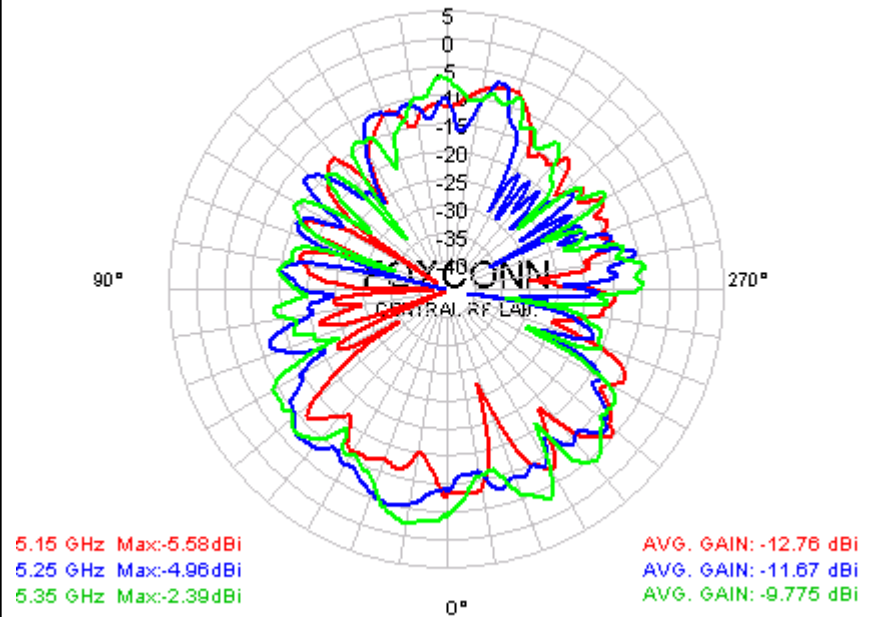
X-Y Plane Radiation Pattern of WLAN Right Antenna

5.15 GHz~5.35 GHz

HORIZONTAL POLARIZATION



VERTICAL POLARIZATION



X-Y Plane Gain of WLAN Right Antenna (15" LCD)

Average Gain

Freq(GHz)	2.4	2.45	2.5	5.15	5.25	5.35
XY-H(dBi)	-12.03	-12.73	-13.62	-16.98	-14.01	-14.87
XY-V(dBi)	-10.37	-11.55	-12.69	-12.76	-11.67	-9.77
Average Gain	-8.11	-9.09	-10.12	-11.37	-9.67	-8.60

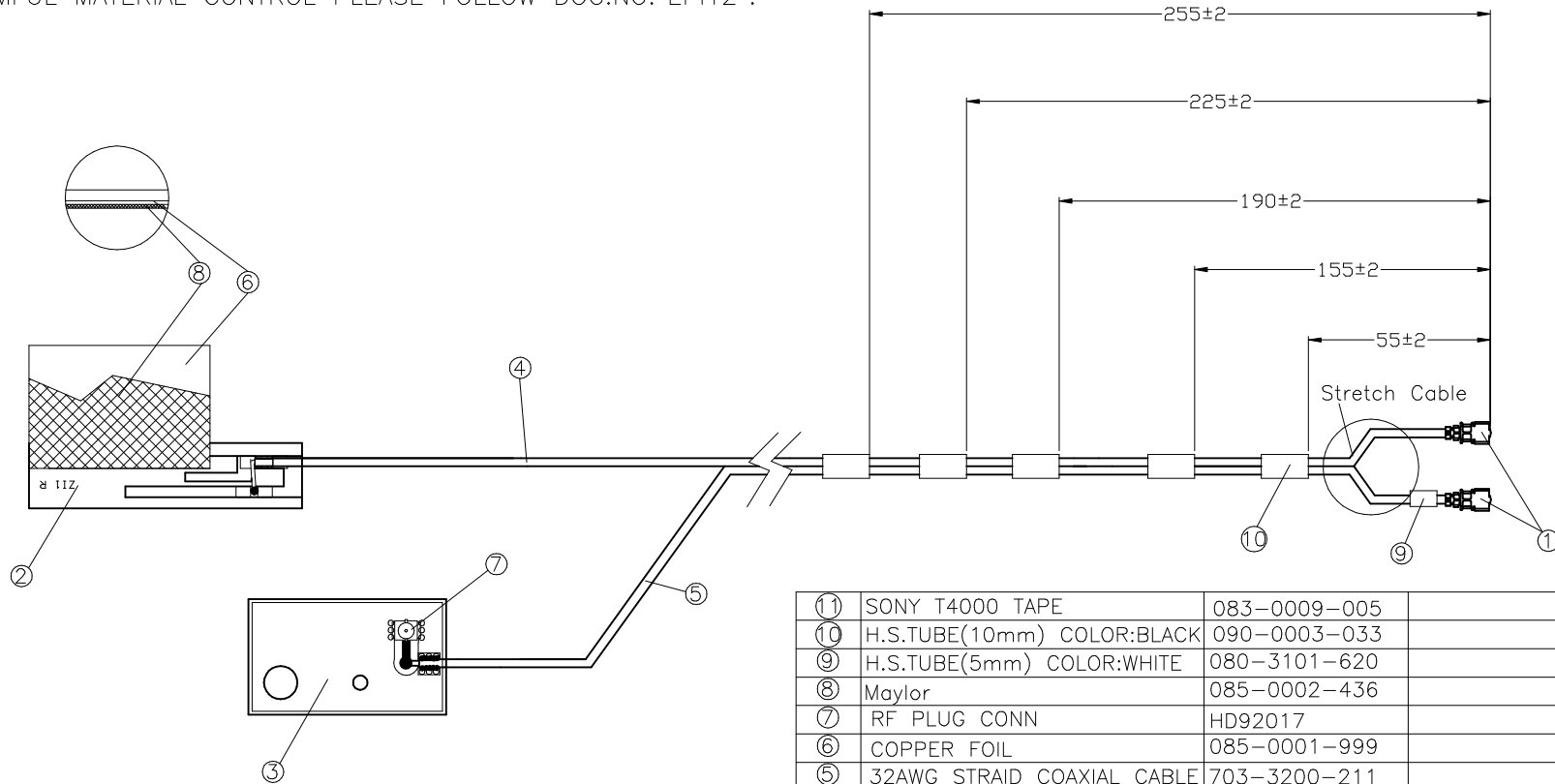
Peak Gain

Freq(GHz)	2.4	2.45	2.5	5.15	5.25	5.35
XY-H(dBi)	-3.87	-5.38	-7.29	-9.41	-7.18	-7.07
XY-V(dBi)	-4.21	-5.60	-5.62	-5.58	-4.96	-2.39

REV.	ECN. NO.	APPD.
X1		

NOTES:

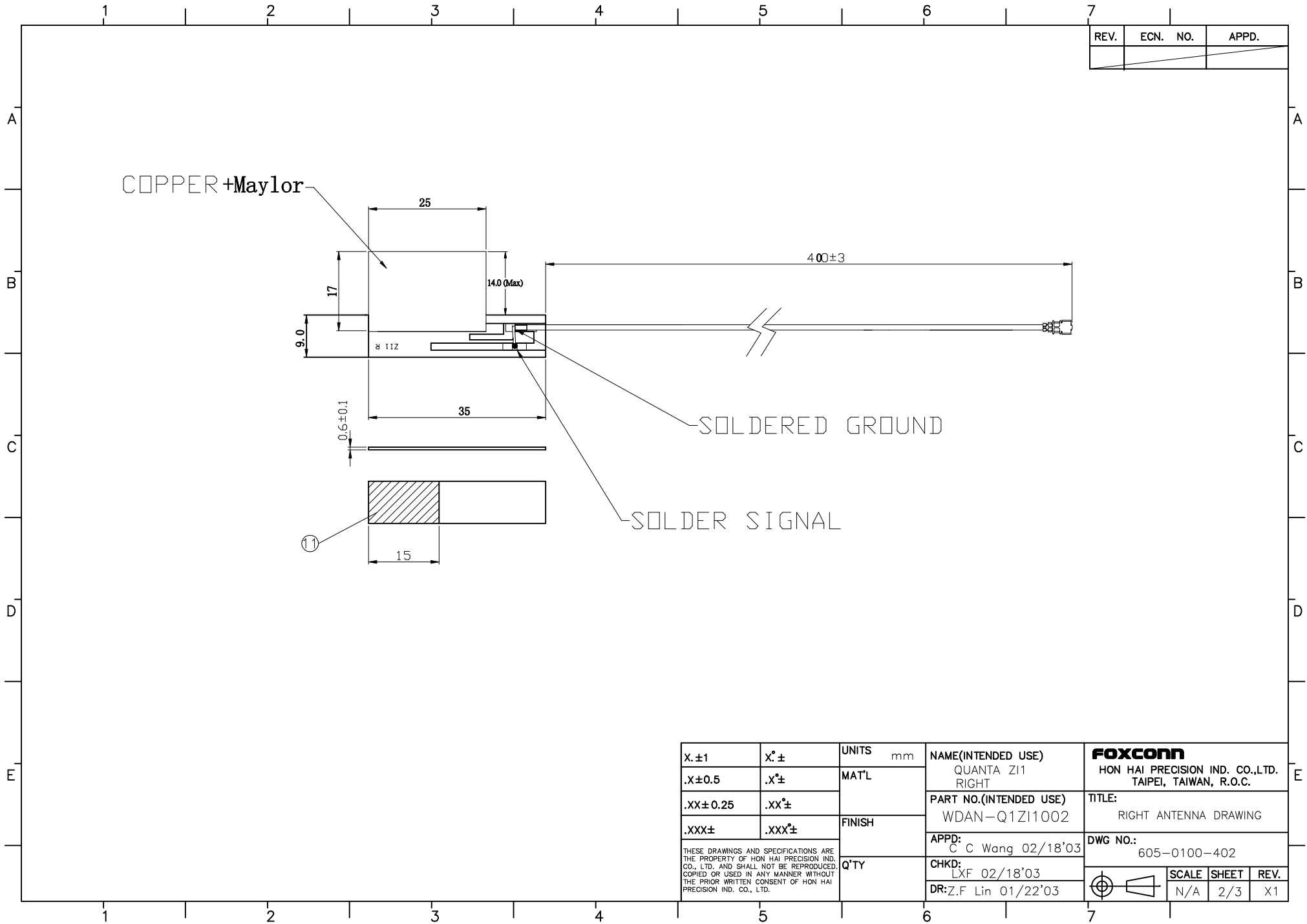
1. ALL DIMENSIONS SHALL BE INTERPRETED PER ANSI Y14.5M-1982.
2. DIMENSIONS MARKED ▼ SHALL BE CHECKED.
3. HARMFUL MATERIAL CONTROL PLEASE FOLLOW DOC.NO."EPI12".



ITEM	DESCRIPTION	FOXCONN P/N	REMARK	Q'TY
①	SONY T4000 TAPE	083-0009-005		A/R
⑩	H.S.TUBE(10mm) COLOR:BLACK	090-0003-033		5 PCS
⑨	H.S.TUBE(5mm) COLOR:WHITE	080-3101-620		1 PCS
⑧	Maylor	085-0002-436		A/R
⑦	RF PLUG CONN	HD92017		1 PCS
⑥	COPPER FOIL	085-0001-999		1 PCS
⑤	32AWG STRAID COAXIAL CABLE	703-3200-211		A/R
④	32AWG STRAID COAXIAL CABLE	703-3208-211		A/R
③	Transform PCB	01-01000032-00		1 PCS
②	PCB	01-01000033-00		1 PCS
①	RF CONNECTOR	SGX0001-00		2 PCS

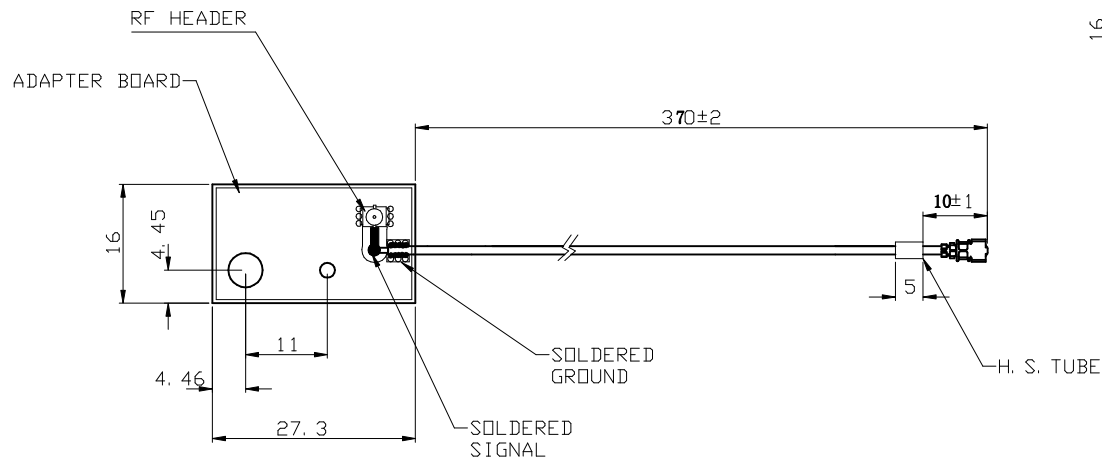
X.±1.0	X'±	UNITS	mm	NAME(INTENDED USE)	FOXCONN
.X±0.5	.X'±	MAT'L		QUANTA Z11 RIGHT	HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.
.XX±0.25	.XX'±	FINISH		PART NO.(INTENDED USE) WDAN-Q1Z11002	TITLE: RIGHT ANTENNA DRAWING
.XXX±	.XXX'±	Q'TY		APPD: C C Wang 02/18'03	DWG NO.: 605-0100-402
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HON HAI PRECISION IND. CO., LTD. AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF HON HAI PRECISION IND. CO., LTD.				CHKD: LXF 02/18'03	SCALE SHEET REV.
				DR:Z.F Lin 01/22'03	N/A 1/3 X1

REV.	ECN. NO.	APPD.



X. ±1	X.° ±	UNITS	mm	NAME(INTENDED USE)	QUANTA Z11 RIGHT	FOXCONN HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.		
.X ±0.5	.X° ±	MAT'L		PART NO.(INTENDED USE)	WDAN-Q1Z11002			
.XX ±0.25	.XX° ±	FINISH		APPD:	C C Wang 02/18'03	TITLE:		
.XXX ±	.XXX° ±	Q'TY		CHKD:	LXF 02/18'03	RIGHT ANTENNA DRAWING		
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HON HAI PRECISION IND. CO., LTD. AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF HON HAI PRECISION IND. CO., LTD.				DR:	Z.F Lin 01/22'03	DWG NO.:		
				605-0100-402		SCALE	SHEET	REV.
						N/A	2/3	X1

REV.	ECN. NO.	APPD.



X.±1.0	X°.±	UNITS	mm	NAME(INTENDED USE)	FOXCONN
.X±0.5	.X°.±	MAT'L		QUANTA Z11 ADAPTER	HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.
.XX±0.25	.XX°.±	FINISH		PART NO.(INTENDED USE)	TITLE:
.XXX±	.XXX°.±	Q'TY		WDAN-Q1Z11002	LEFT ADAPTOR DRAWING
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HON HAI PRECISION IND. CO., LTD. AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF HON HAI PRECISION IND. CO., LTD.				APPD:	DWG NO.:
				C C Wang 02/18'03	605-0100-402
				CHKD:	
				LXF 02/18'03	
				DR:Z.F Lin 01/22'03	
					SCALE SHEET REV.
				N/A	3/3 X1