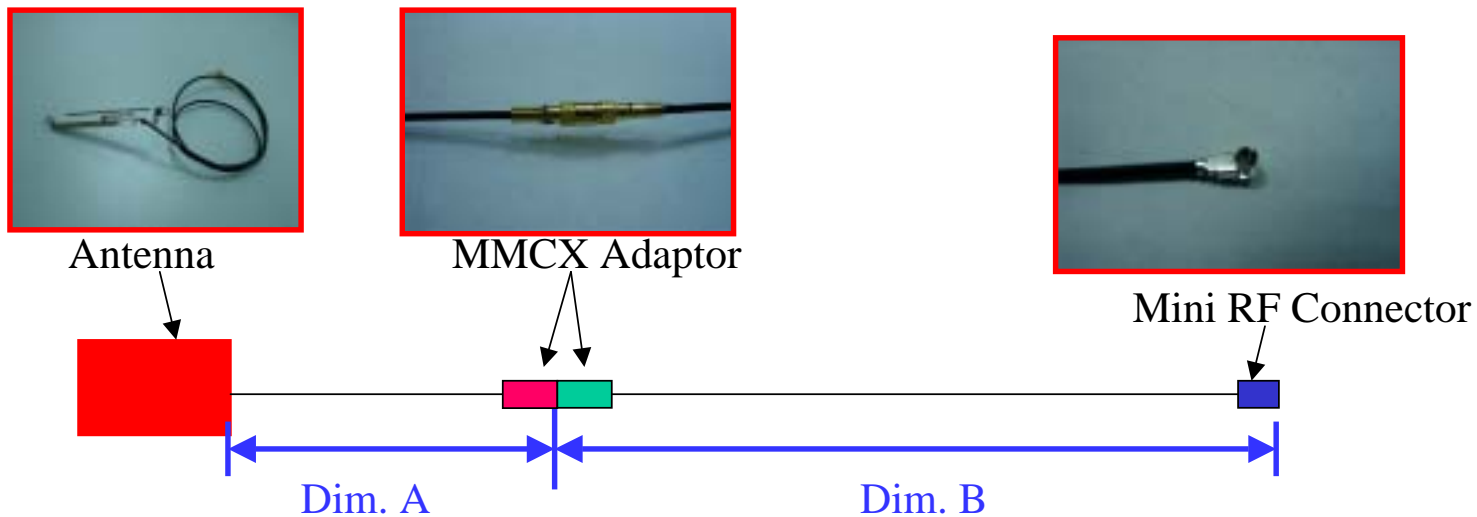

FOXCONN NWInG

Antenna Engineering Test Report

Quanta ZI5 WLAN Antenna

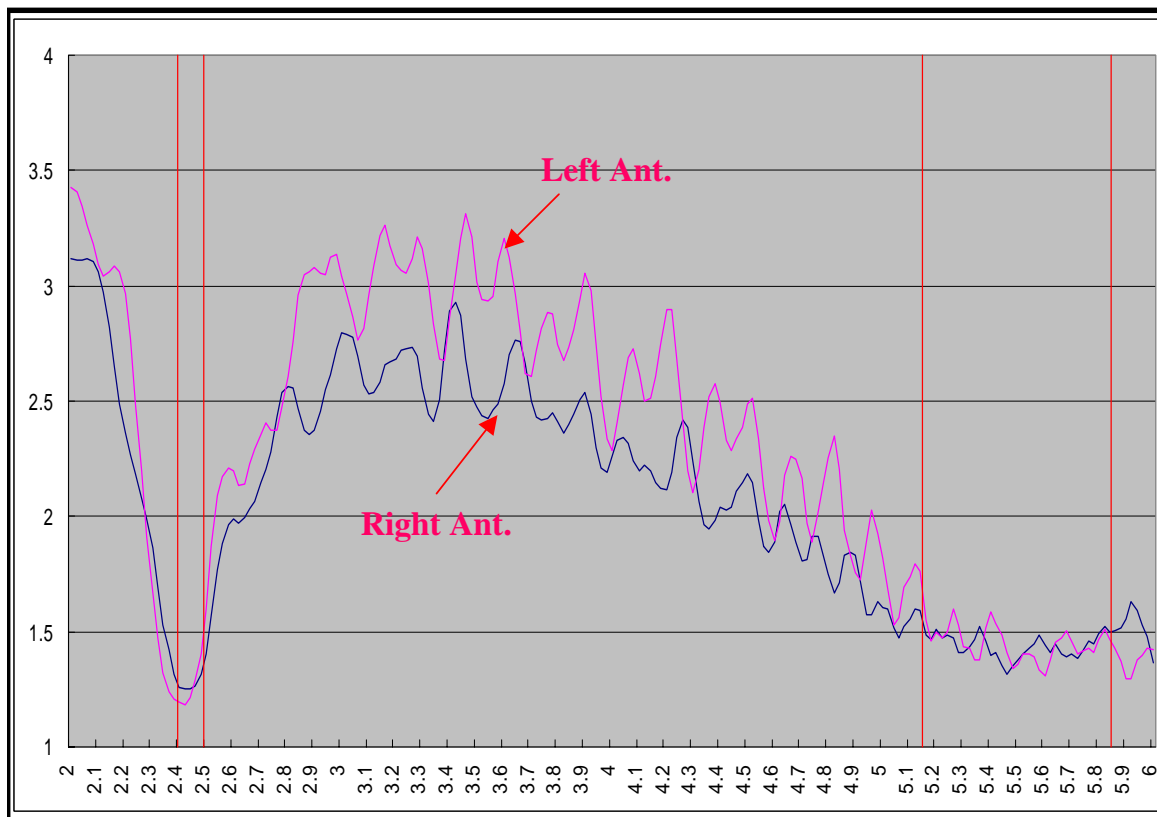
By:	Approved	Checked	Prepared	Issued By: Taipei Lab
	林憲助 <i>Sandor Lin</i>	戴隆盛 <i>Sheng Tai</i>	戴隆盛 <i>Sheng Tai</i>	
Date:	2004/02/10	2004/02/10	2004/02/10	

Antenna Assembly Profile for (With MMCX Adaptor)



Type 1 (With MMCX Adaptor)	DIM. A	DIM. B
Left Antenna	315mm	365mm
Right Antenna	480mm	365mm

VSWR of Antenna



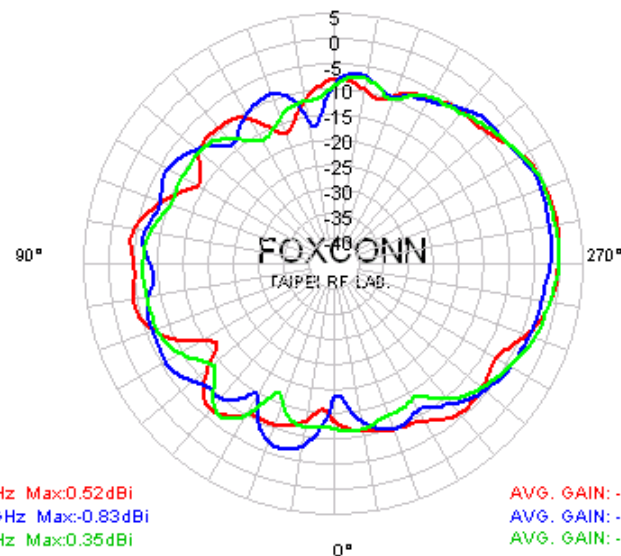
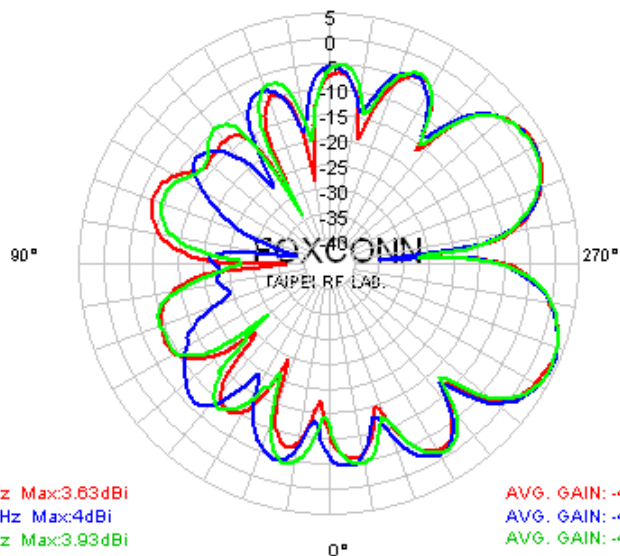
Marker Point (GHz)	Right Ant. VSWR Value	Left Ant. VSWR Value
2.4	1.25	1.19
2.45	1.26	1.25
2.5	1.40	1.59
5.15	1.52	1.60
5.25	1.48	1.55
5.35	1.50	1.37
5.725	1.38	1.40
5.8	1.49	1.46
5.875	1.51	1.40

Radiation Pattern of Left Antenna

2.4GHz~2.5GHz

HORIZONTAL POLARIZATION

VERTICAL POLARIZATION

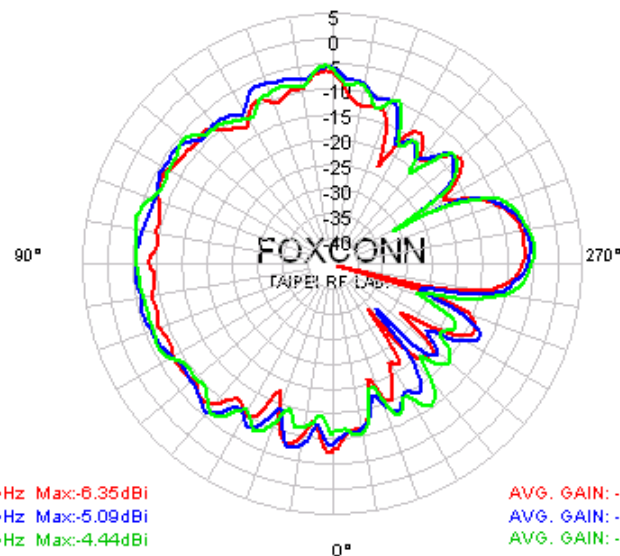
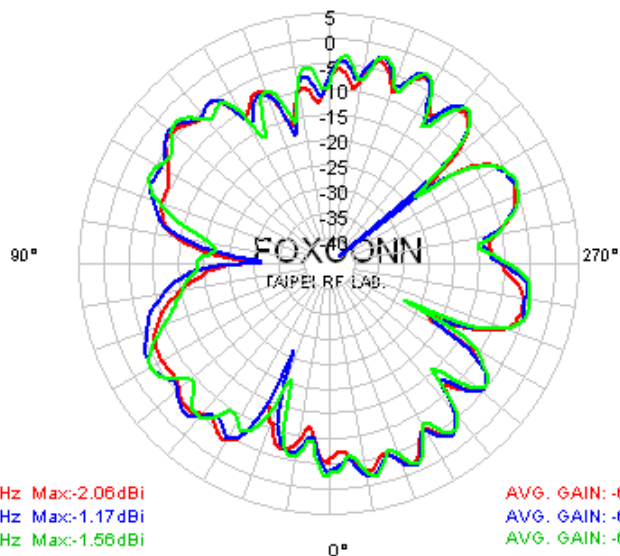


Radiation Pattern of Left Antenna

5.15GHz~5.35GHz

HORIZONTAL POLARIZATION

VERTICAL POLARIZATION

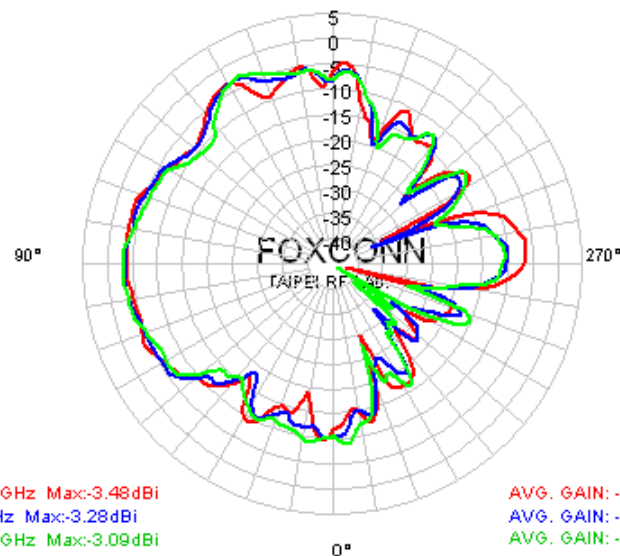
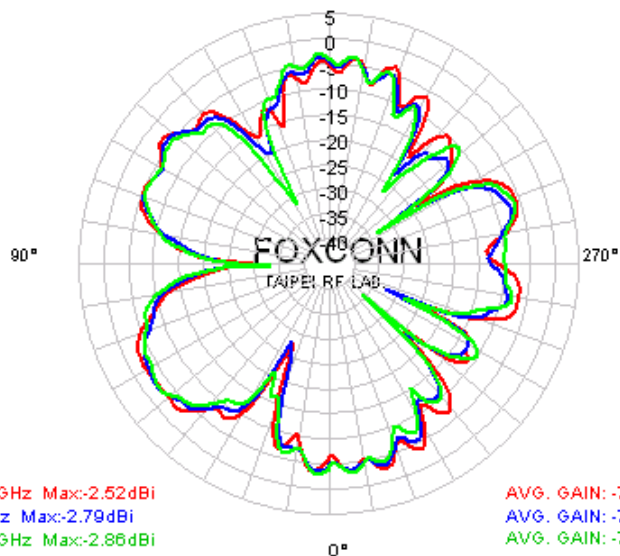


Radiation Pattern of Left Antenna

5.725GHz~5.875GHz

HORIZONTAL POLARIZATION

VERTICAL POLARIZATION

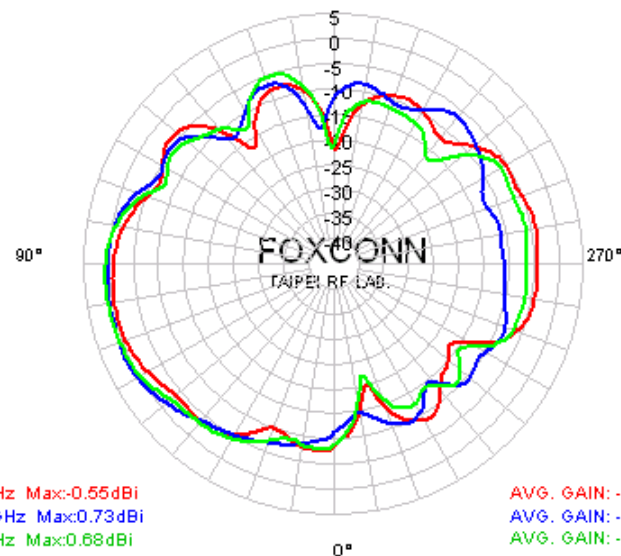
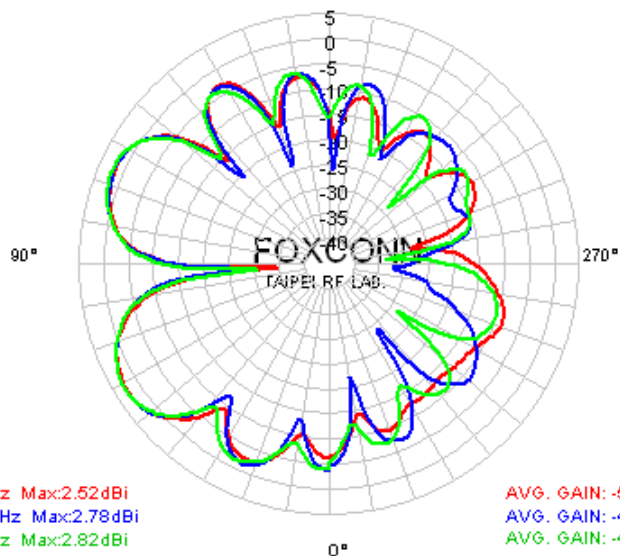


Radiation Pattern of Right Antenna

2.4GHz~2.5GHz

HORIZONTAL POLARIZATION

VERTICAL POLARIZATION

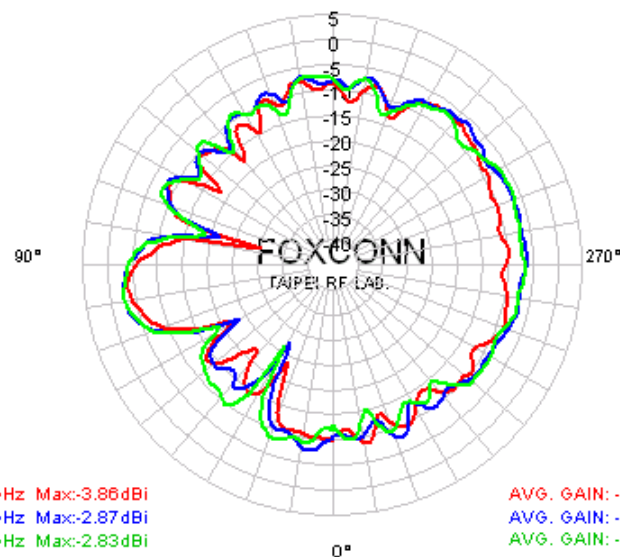
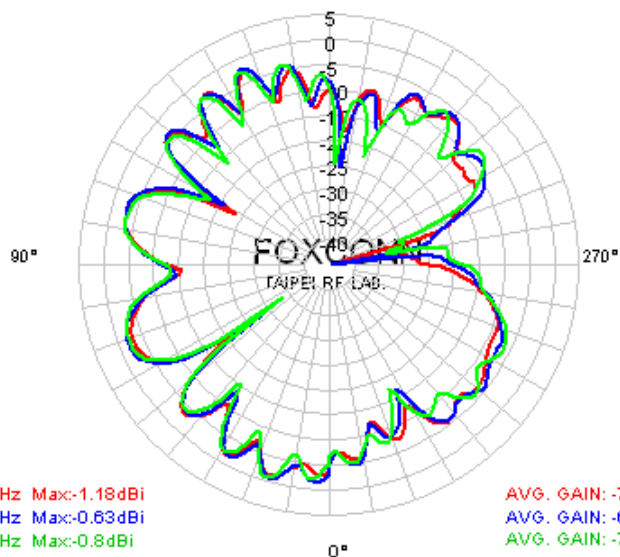


Radiation Pattern of Right Antenna

5.15GHz~5.35GHz

HORIZONTAL POLARIZATION

VERTICAL POLARIZATION

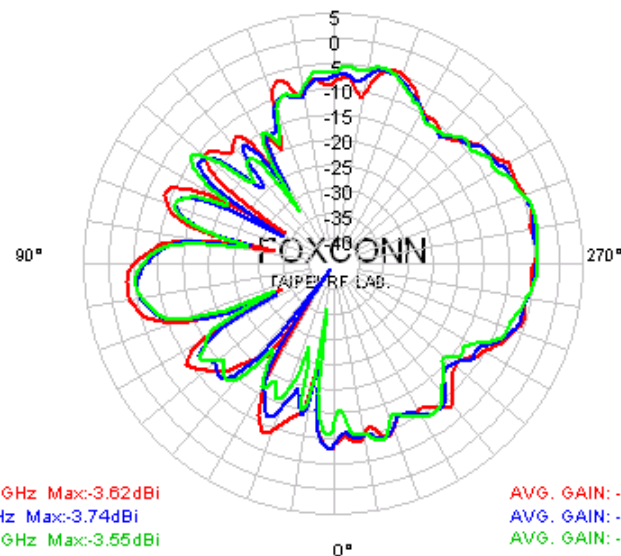
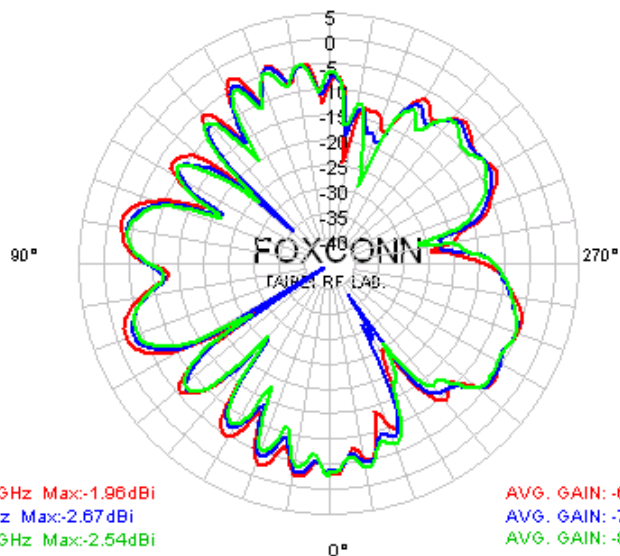


Radiation Pattern of Right Antenna

5.725GHz~5.875GHz

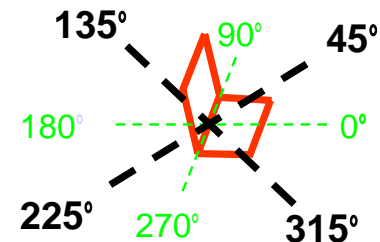
HORIZONTAL POLARIZATION

VERTICAL POLARIZATION



Radiation Pattern of Left Antenna

Average Gain

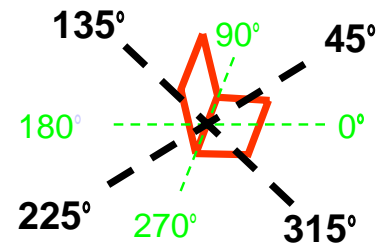


Freq(GHz)	2.4	2.45	2.5	5.15	5.25	5.35	5.725	5.8	5.875
XY-H(dBi)	-4.43	-4.12	-4.26	-6.92	-6.23	-6.46	-7.07	-7.74	-7.65
XY-V(dBi)	-5.73	-6.13	-5.99	-10.23	-8.86	-9.04	-8.63	-8.76	-8.84
Average Gain	-2.02	-2.00	-2.03	-5.26	-4.34	-4.55	-4.77	-5.21	-5.19

Peak Gain

Freq(GHz)	2.4	2.45	2.5	5.15	5.25	5.35	5.725	5.8	5.875
XY-H(dBi)	3.63	4.00	3.93	-2.06	-1.17	-1.56	-2.52	-2.79	-2.86
XY-V(dBi)	0.52	-0.83	0.35	-6.35	-5.09	-4.44	-3.48	-3.28	-3.09

Radiation Pattern of Right Antenna



Average Gain

Freq(GHz)	2.4	2.45	2.5	5.15	5.25	5.35	5.725	5.8	5.875
XY-H(dBi)	-5.12	-4.97	-4.86	-7.01	-6.60	-7.12	-6.91	-7.82	-8.13
XY-V(dBi)	-5.82	-5.52	-5.47	-10.02	-8.48	-8.71	-8.44	-9.00	-9.08
Average Gain	-2.45	-2.23	-2.14	-5.25	-4.43	-4.83	-4.60	-5.36	-5.57

Peak Gain

Freq(GHz)	2.4	2.45	2.5	5.15	5.25	5.35	5.725	5.8	5.875
XY-H(dBi)	2.52	2.78	2.82	-1.18	-0.63	-0.80	-1.96	-2.67	-2.54
XY-V(dBi)	-0.55	0.73	0.68	-3.86	-2.87	-2.83	-3.62	-3.74	-3.55