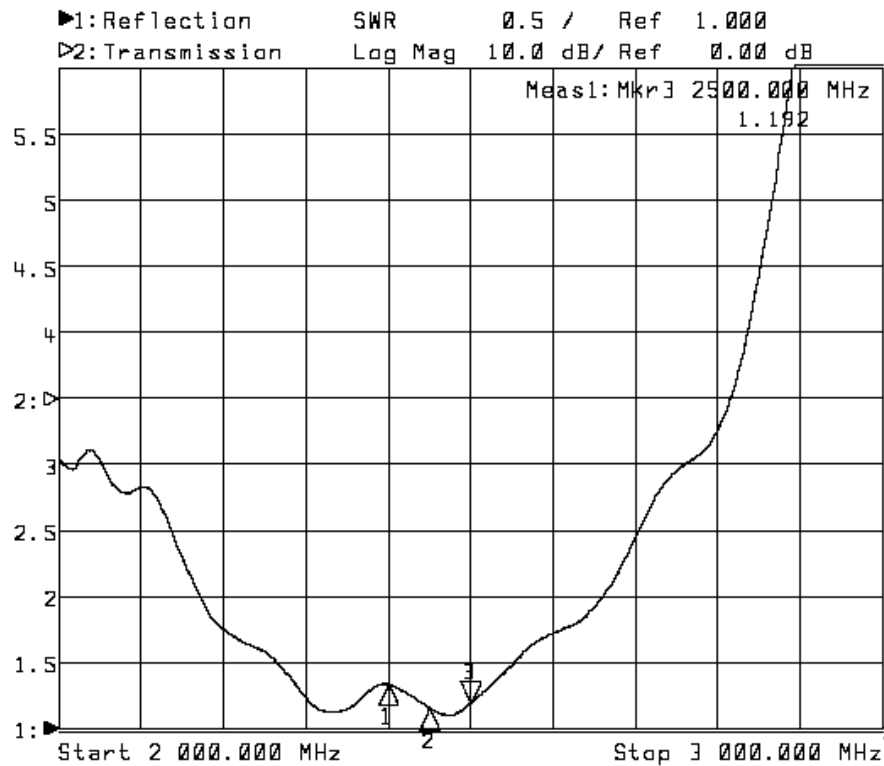


# Quanta BM1 Antenna Test Report

Sheng Tai

# VSWR For Left Antenna



2.4 GHz = 1.332  
 2.45 GHz = 1.153  
 2.5 GHz = 1.192

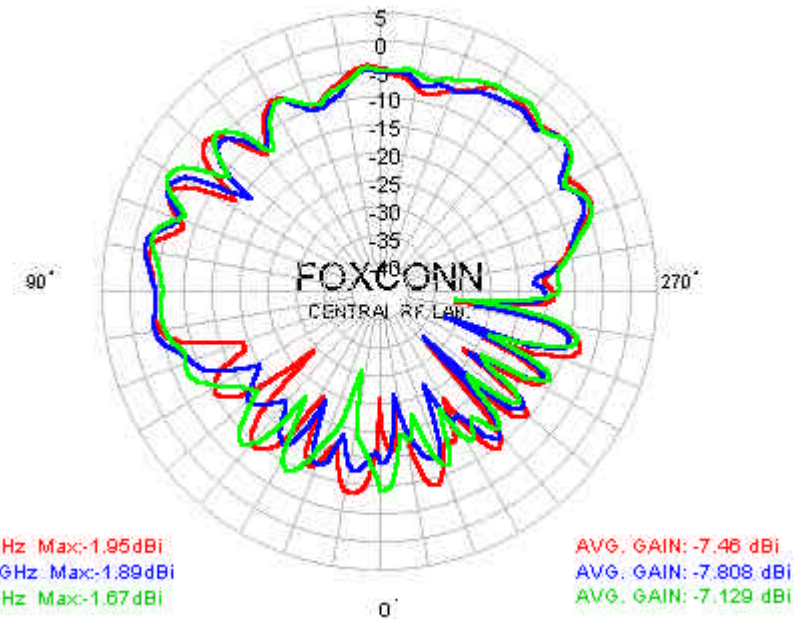
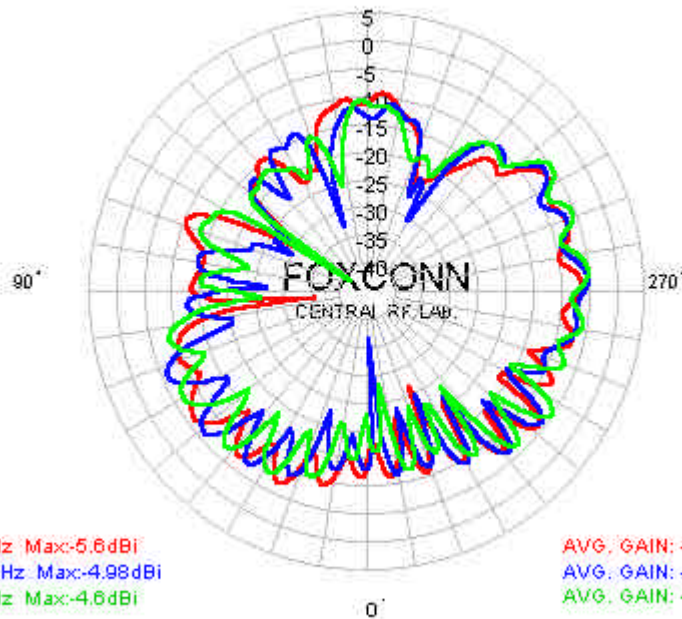
**Cable Length = 90mm**

1: Mkr (MHz)	2: Mkr (MHz)	dB
1: 2400.0000	1.332	
2: 2450.0000	1.153	
3: 2500.0000	1.192	

# XY Plane Radiation Pattern For Left Antenna ( 2.4 ~ 2.5 GHz )

## HORIZONTAL POLARIZATION

## VERTICAL POLARIZATION



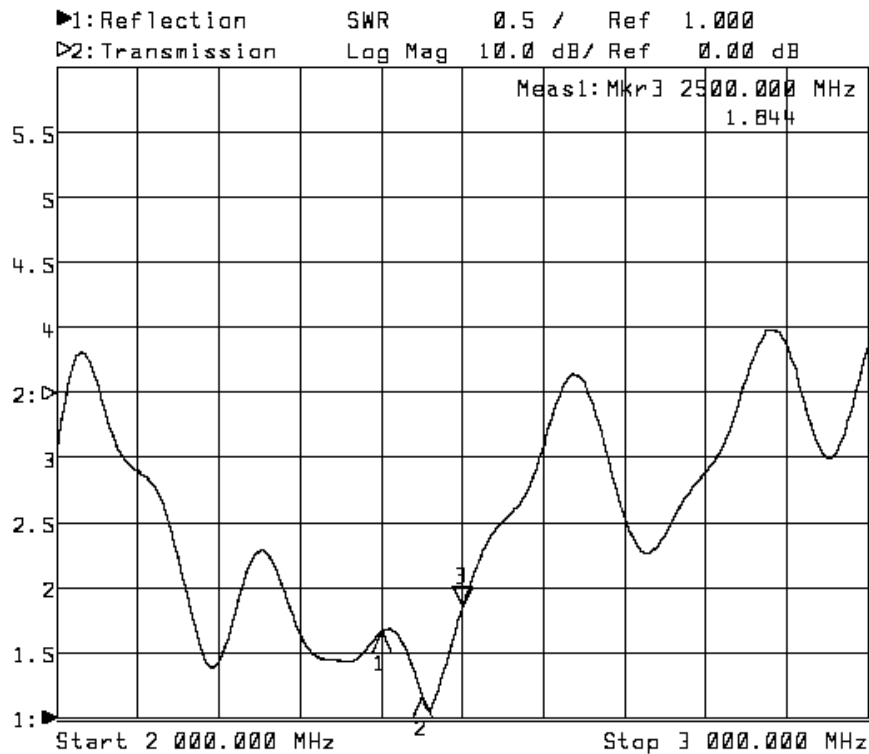
## Average Gain For Left Antenna

(dBi)	2400 MHz	2450 MHz	2500 MHz
<b>XY-H</b>	<b>-10.81</b>	<b>-10.96</b>	<b>-10.70</b>
<b>XY--V</b>	<b>-7.46</b>	<b>-7.80</b>	<b>-7.12</b>
<b>Average Gain</b>	<b>-5.81</b>	<b>-6.09</b>	<b>-5.54</b>

## PEAK GAIN

(dBi)	2400 MHz	2450 MHz	2500 MHz
<b>XY-H</b>	<b>-5.60</b>	<b>-4.98</b>	<b>-4.60</b>
<b>XY--V</b>	<b>-1.95</b>	<b>-1.89</b>	<b>-1.67</b>

## VSWR For Left Antenna



2.4 GHz = 1.662

2.45 GHz = 1.162

2.5 GHz = 1.844

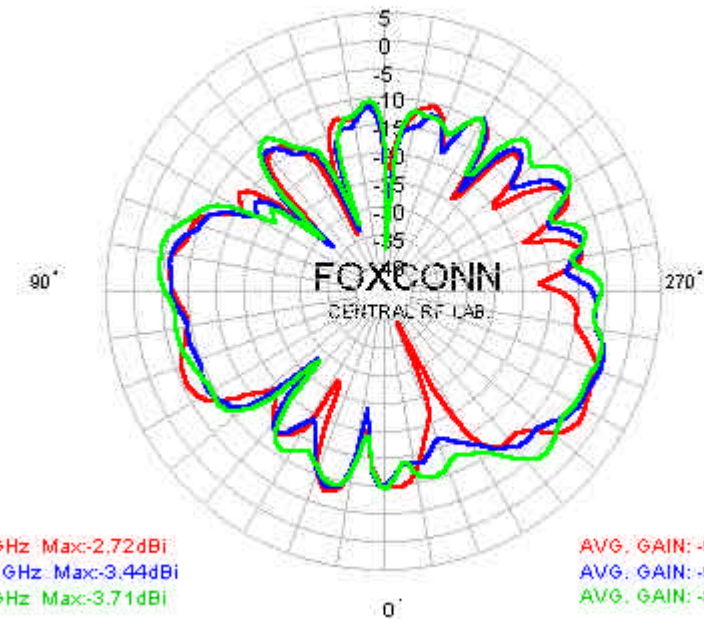
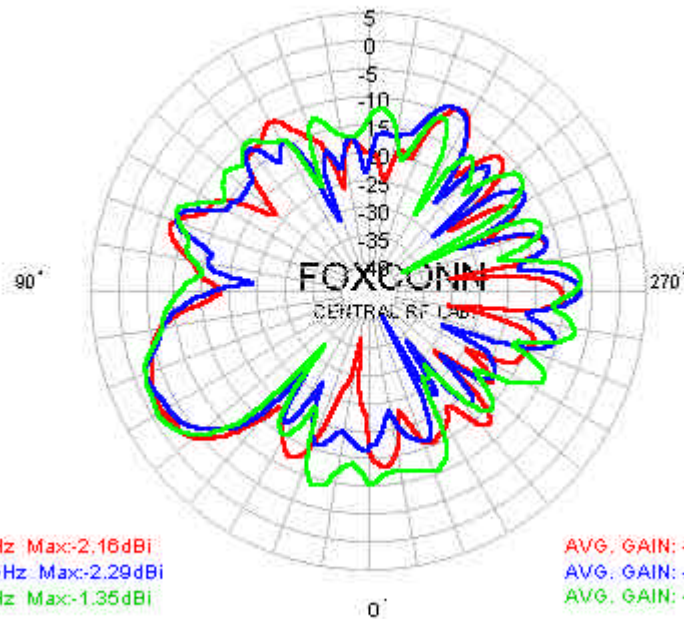
**Cable Length = 493mm**

1: Mkr (MHz)	2: Mkr (MHz)	dB
1: 2400.0000	1.662	
2: 2450.0000	1.162	
3: 2500.0000	1.844	

# XY Plane Radiation Pattern For Right Antenna ( 2.4 ~ 2.5 GHz )

## HORIZONTAL POLARIZATION

## VERTICAL POLARIZATION



## Average Gain For Right Antenna

(dBi)	2400 MHz	2450 MHz	2500 MHz
<b>XY-H</b>	<b>-11.19</b>	<b>-11.66</b>	<b>-10.02</b>
<b>XY--V</b>	<b>-9.80</b>	<b>-9.86</b>	<b>-8.74</b>
<b>Average Gain</b>	<b>-7.43</b>	<b>-7.66</b>	<b>-6.32</b>

## PEAK GAIN

(dBi)	2400 MHz	2450 MHz	2500 MHz
<b>XY-H</b>	<b>-2.16</b>	<b>-2.29</b>	<b>-1.35</b>
<b>XY--V</b>	<b>-2.72</b>	<b>-3.44</b>	<b>-3.71</b>