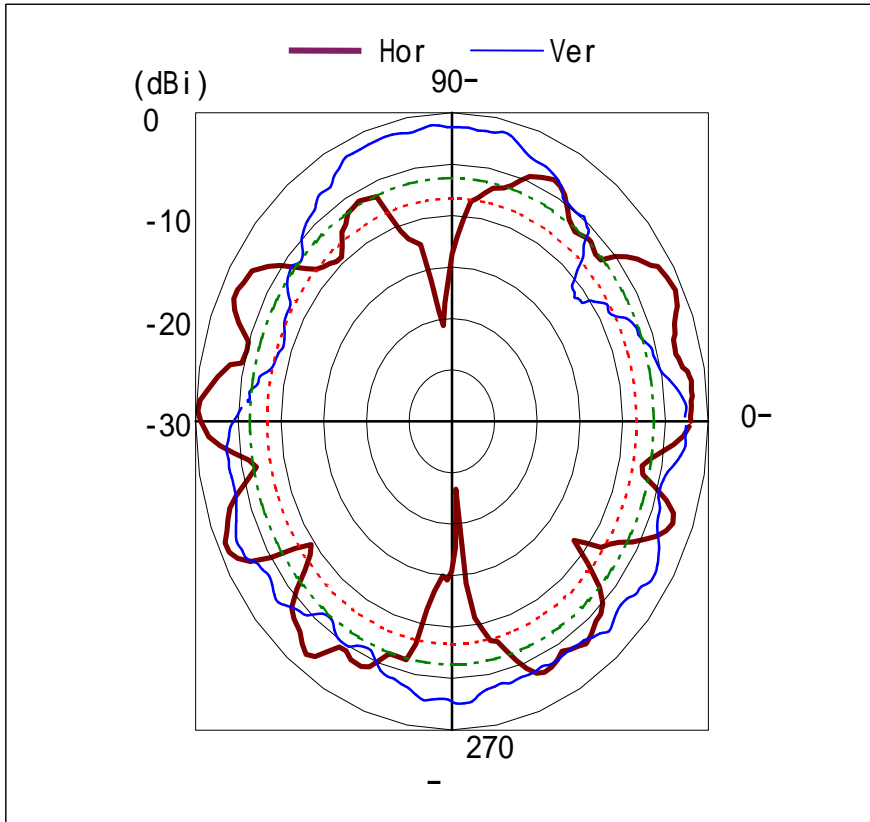


Model Name **SepangX10 with Singleband Film Antenna**

Day	5/10/02	Plane	X-Y	Frequency	2.442
Data File	SepangX10_14inch	LCD Degre	90		
Data No.	3,4	Position	0-:Front 90- Right		
Antenna	Wireless LAN Main (Rig	Cable	Coaxial Cable 0.8	555mm	
Comment	Input 0dBm Sine Wave from SG				
	-----				
	-----				

<Antenna Gain>

	Horizontal	Vertical	
AVG	-4.5	-3.8	
MAX	-0.3	-1.1	(dBi)



## Toshiba PC Internal Antenna Data

### 1. Model Name

HTL004-P\*\*\*

### 2. Frequency Range

2.4 – 2.5 GHz

### 3. Bandwidth

Over 200MHz ( VSWR :under 2 )

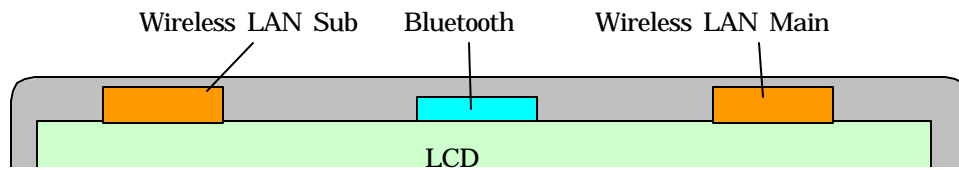
### 4. Gain (Average)

Antenna fixed on the LCD of Satellite1850

(Measure at Toshiba EMI Site)

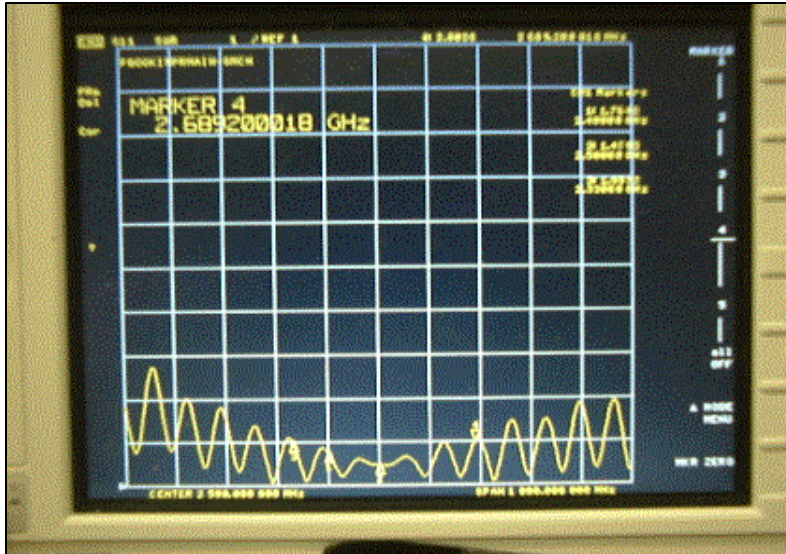
Antenna	X-Y PLANE (dBi)	
	Horizontal	Vertical
2.442GHz	-4.5	-3.8

### 5. Antenna position



## 5. VSWR

Antenna attached on the Package of Satellite 1850

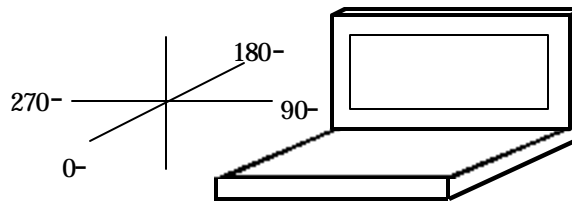


Bluetooth Antenna

## 6. Radiation Pattern

Please refer to "HTL004AntennaData.xls" file.

The azimuth of graph drawn in xls file is bellow.



## 7. Polarization

Vertical

## 8. Impedance

50