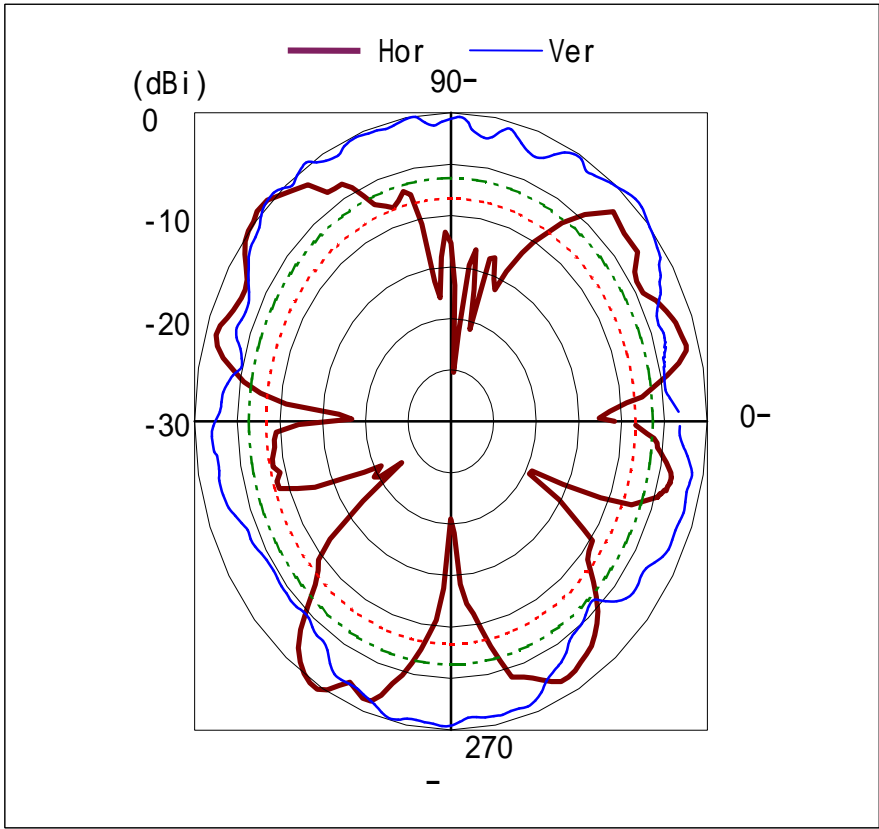


Model Name **Suzuka with Dualband Film Antenna**

Day	11/28/01	Plane	X-Y	Frequency	2.441
Data File	SuzkaCS08Dual011210	LCD Degre	90		
Data No.	9,10	Position	0-:Front 90- Right		
Antenna	Wireless LAN Main (Rig	Cable	Coaxial Cable 0.8	510mm	
Comment	Input 0dBm Sine Wave from SG				
	-----				
	-----				

<Antenna Gain>

	Horizontal	Vertical	
AVG	-4.7	-1.8	
MAX	0.5	0.6	(dBi)

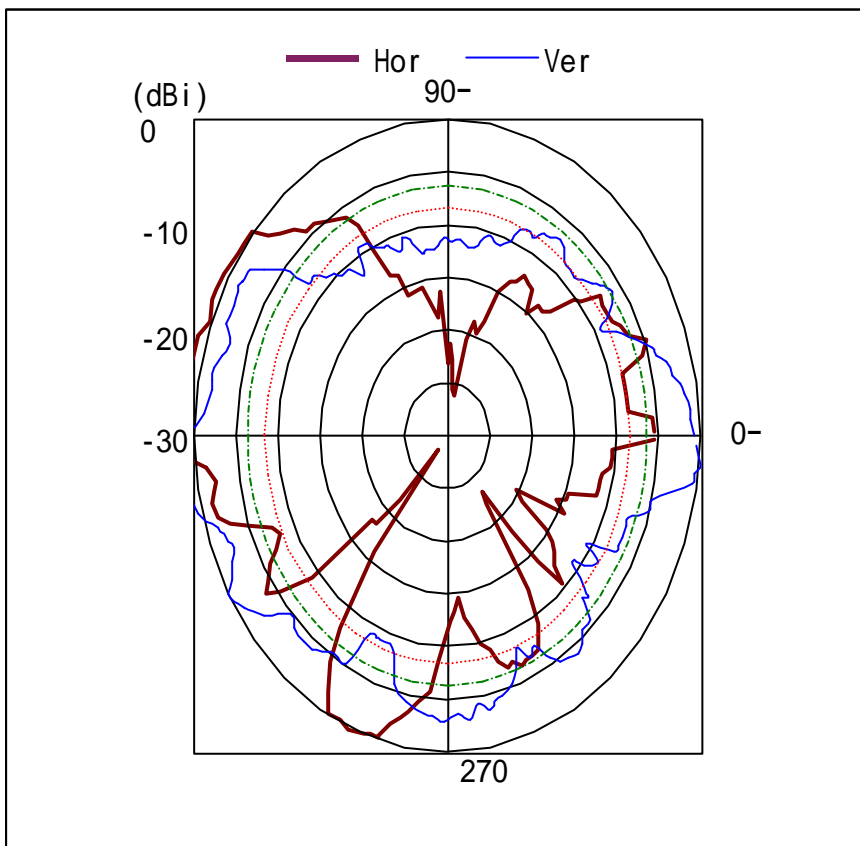


Model Name **Suzuka with Dualband Film Antenna**

Day	7/10/02	Plane	X-Y	Frequency	5350
Data File	Suzuka5GHz09DualMa	LCD Degre	90		
Data No.	1,13	Position	0:-Front 90- Right		
Antenna	Wireless LAN Main (Rig	Cable	Coaxial Cable 0.9	510mm	
Comment	Input 0dBm Sine Wave from SG				
	-----				
	-----				

<Antenna Gain>

	Horizontal	Vertical	
AVG	<b>-4.6</b>	<b>-4.2</b>	
MAX	2.7	1.8	(dBi)



## Toshiba PC Internal Antenna Data

### 1. Model Name

HTL008-P\*\*\*

### 2. Frequency Range

2.4 – 2.5 GHz , 5.15 5.85GHz

### 3. Bandwidth

2.4GHz : Over 200MHz ( VSWR :under 2 )

5GHz : Over 900MHz

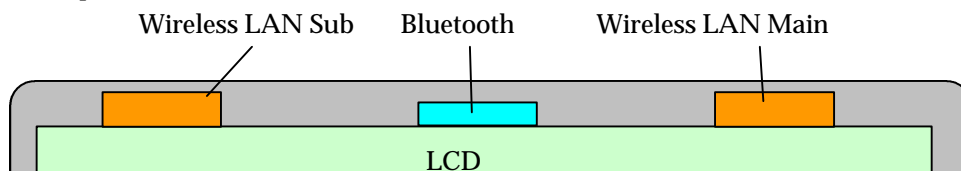
### 4. Gain (Average)

Antenna fixed on the LCD of Tecra9000

(Measure at Toshiba EMI Site)

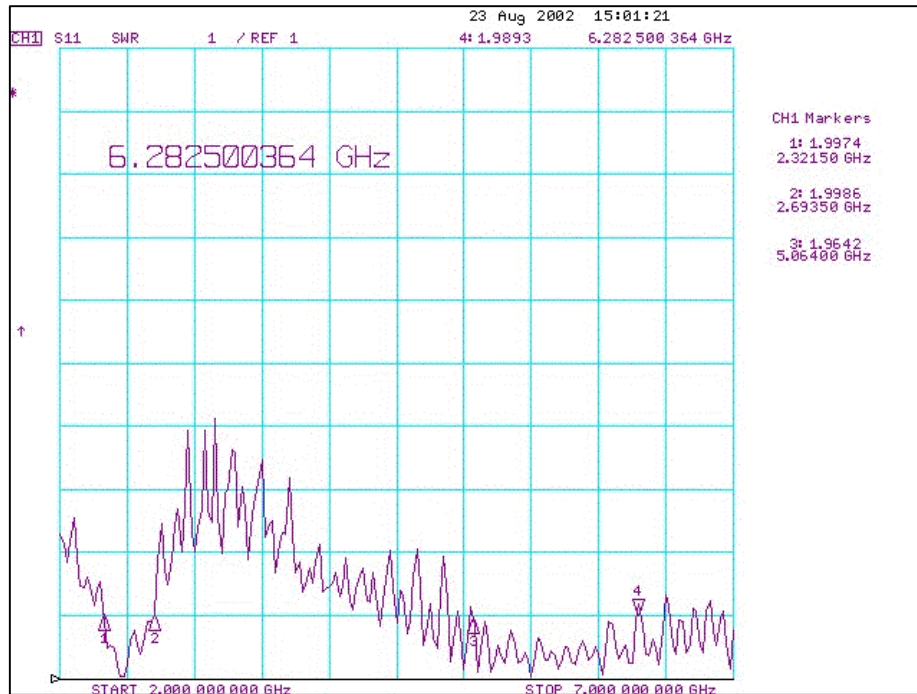
Antenna	X-Y PLANE (dBi)	
	Horizontal	Vertical
2.441GHz	-4.7	-1.8
5.350GHz	-4.6	-4.2

### 5. Antenna position



## 5. VSWR

Antenna attached on the Package of Tecra9000

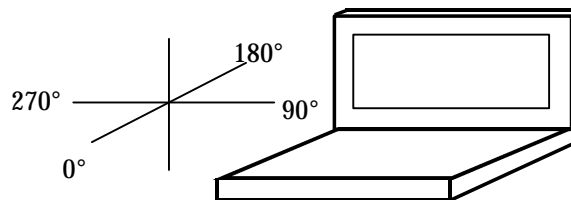


Wireless LAN Main Antenna

## 6. Radiation Pattern

Please refer to ToshibaDualbandFilmAntennaData.xls file.

The azimuth of graph drawn in xls file is bellow.



## 7. Polarization

Vertical

## 8. Impedance

50Ω