

Toshiba PC Internal Antenna Data

1. Model Name

TIAN01-***

2. Frequency Range

2.4 – 2.5 GHz , 5.15 5.85GHz

3. Bandwidth

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

5GHz : Over 900MHz(VSWR :under 2)

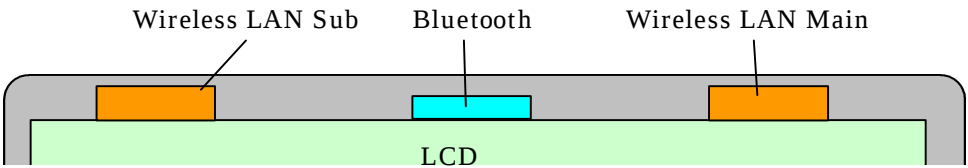
4. Gain

Antenna fixed on the LCD of Portege3500

(Measure at Toshiba EMI Site)

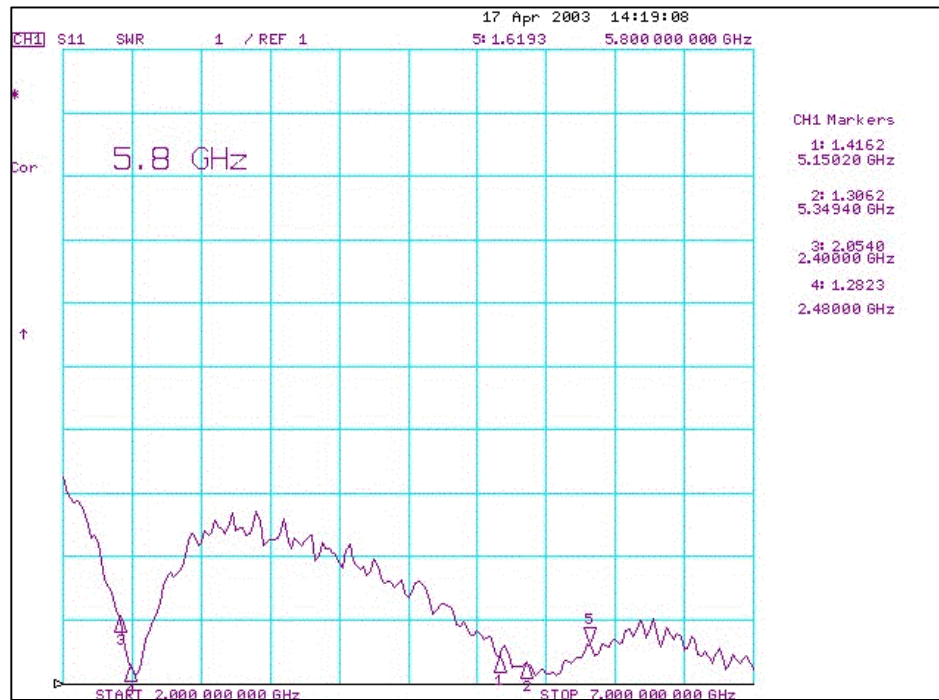
Antenna		X-Y PLANE (dBi)	
		Horizontal	Vertical
2.441GHz	Average	-3.8	-3.0
	Maximum	1.0	0.3
5.350GHz	Average	-7.2	-6.8
	Maximum	-0.2	-2.0

5. Antenna position



5. VSWR

Antenna attached on the Package of Portege3500

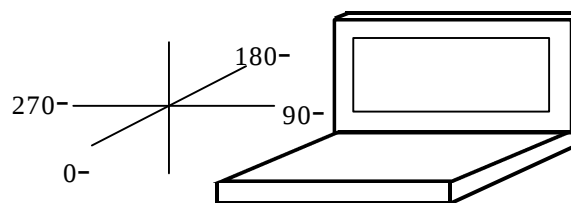


Wireless LAN Main Antenna

6. Radiation Pattern

Please refer to "TIAN01AntennaData.xls" file.

The azimuth of graph drawn in xls file is bellow.



7. Polarization

Vertical

8. Impedance

50