

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)

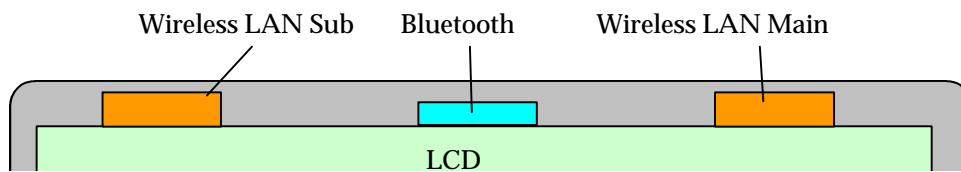
4. Gain

Antenna fixed on the LCD of Portege3500

(Measure at Toshiba EMI Site)

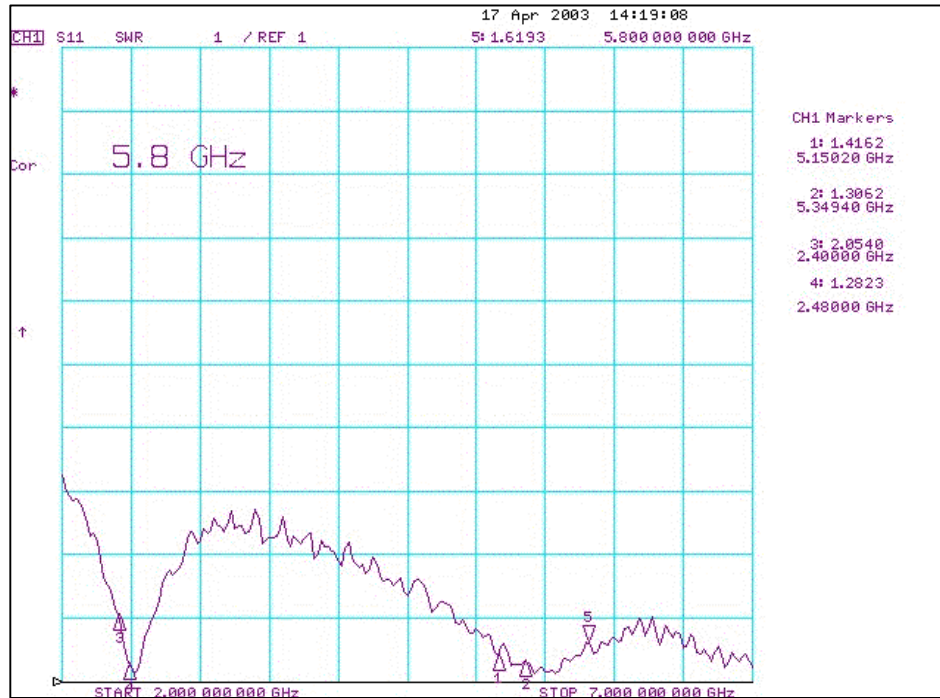
Antenna		X-Y PLANE (dBi)	
		Horizontal	Vertical
2.441GHz	Average	-3.8	-3.0
	Maximum	1.0	0.3
5.350GHz	Average	-7.2	-6.8
	Maximum	-0.2	-2.0

5. Antenna position



5. VSWR

Antenna attached on the Package of Portege3500

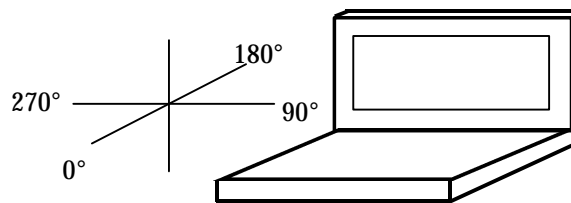


Wireless LAN Main Antenna

6. Radiation Pattern

Please refer to "TIAN01AntennaData.xls" file.

The azimuth of graph drawn in xls file is bellow.



7. Polarization

Vertical

8. Impedance

50Ω

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

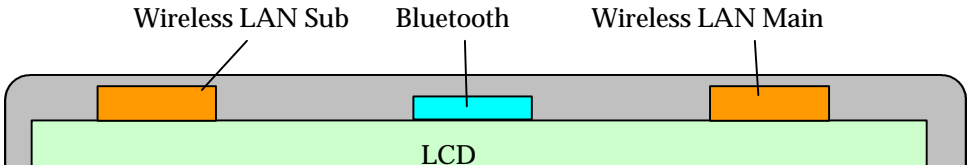
4. Gain (Average)

Antenna fixed on the LCD of Tecra9000

(Measure at Toshiba EMI Site)

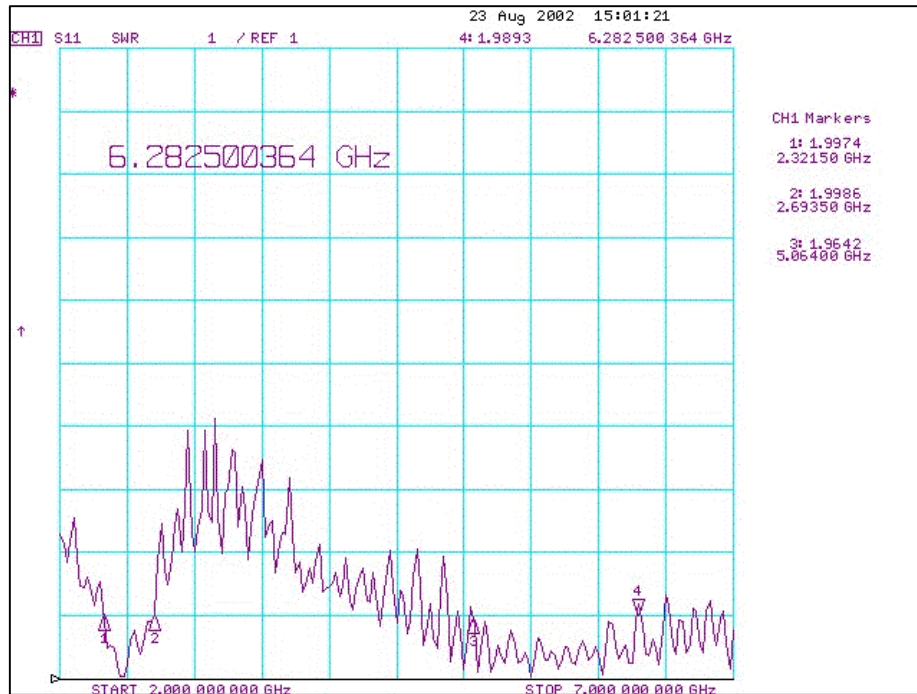
Antenna	X-Y PLANE (dBi)	
	Horizontal	Vertical
2.441GHz	-4.7	-1.8
5.350GHz	-4.6	-4.2

5. Antenna position



5. VSWR

Antenna attached on the Package of Tecra9000

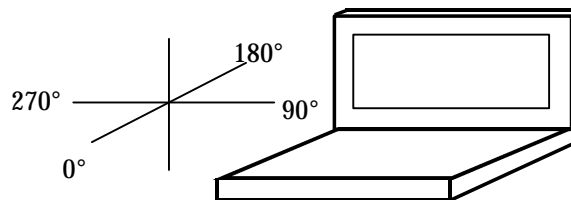


Wireless LAN Main Antenna

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

Toshiba PC Internal Antenna Data

1. Model Name

HTL012-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(VSWR :under 2)

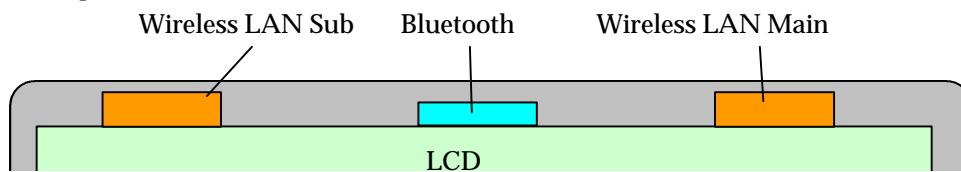
4. Gain (Average)

Antenna fixed on the LCD of Tecra9000

(Measure at Toshiba EMI Site)

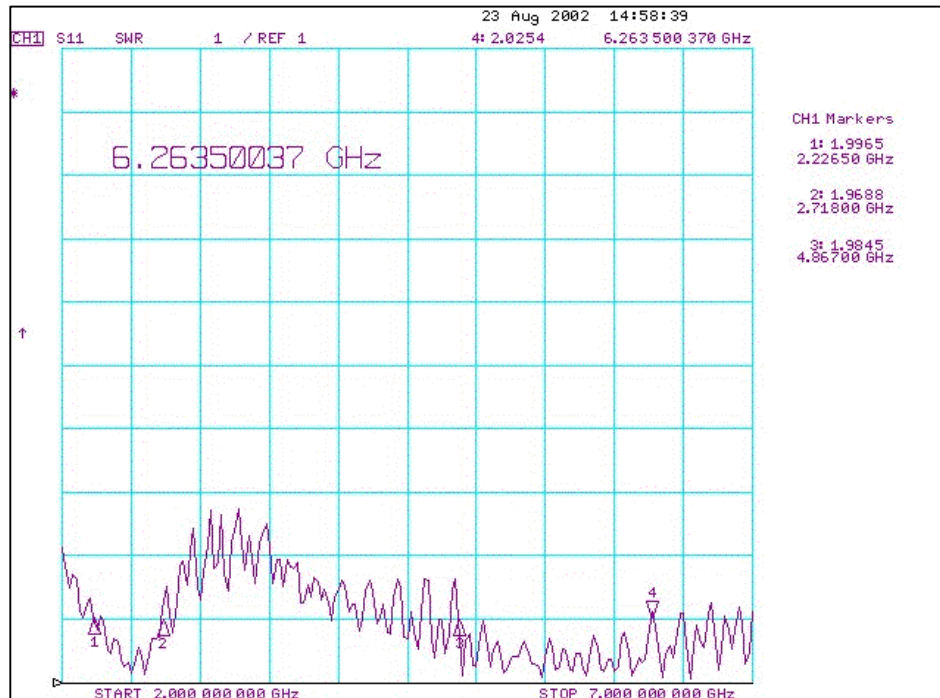
Antenna	X-Y PLANE (dBi)	
	Horizontal	Vertical
2.441GHz	-3.5	-0.7
5.350GHz	-10.0	-6.3

5. Antenna position



5. VSWR

Antenna attached on the Package of Tecra9000

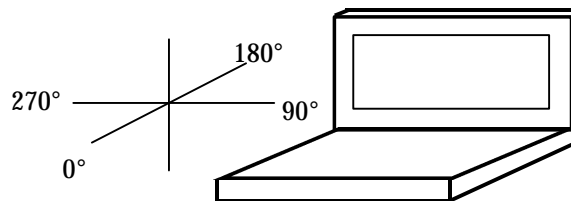


Wireless LAN Main Antenna

6. Radiation Pattern

Please refer to "HTL012AntennaData.xls" file.

The azimuth of graph drawn in xls file is bellow.



7. Polarization

Vertical

8. Impedance

50Ω