

Toshiba PC Internal Antenna Data

1. Model Name

HTL004-P***

2. Frequency Range

2.4 – 2.5 GHz

3. Bandwidth

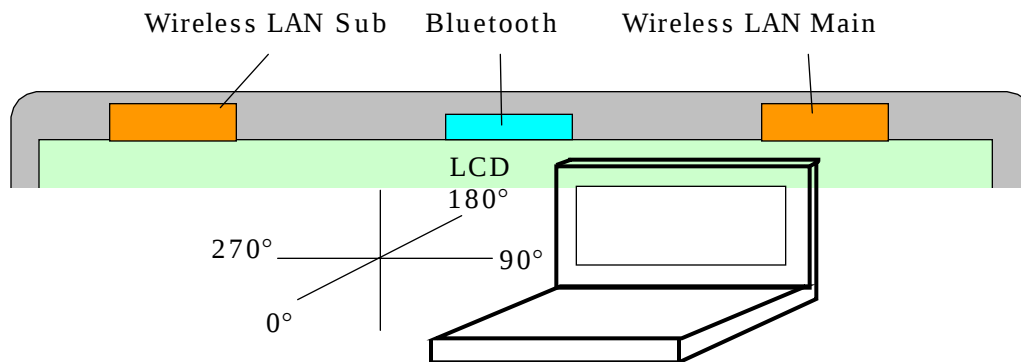
Over 200MHz (VSWR :under 2)

4. Gain (Average)

Antenna fixed on the LCD of Satellite Pro 4600

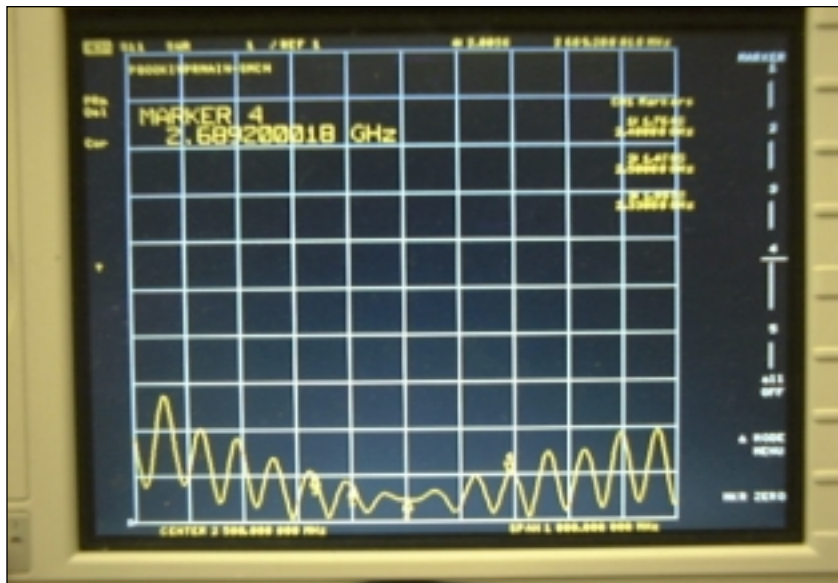
(Measure at Toshiba EMI Site)

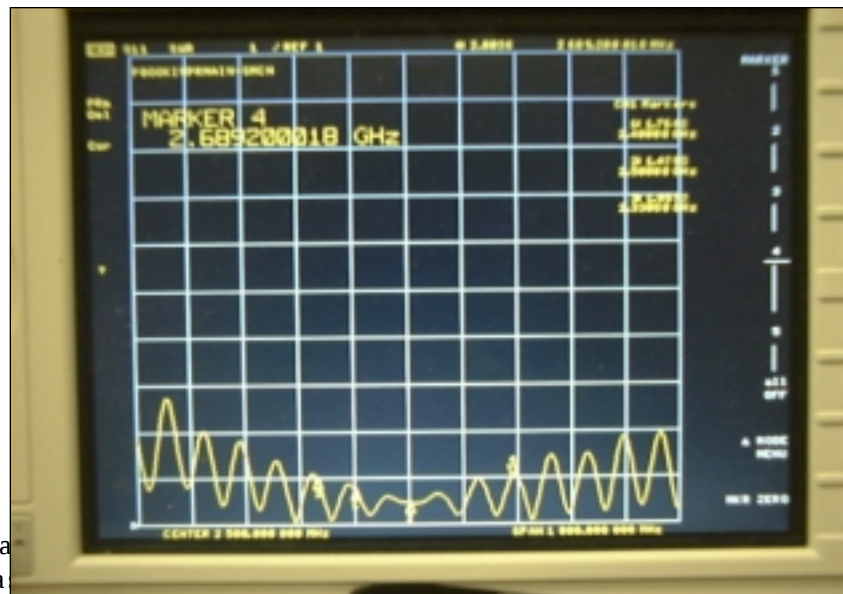
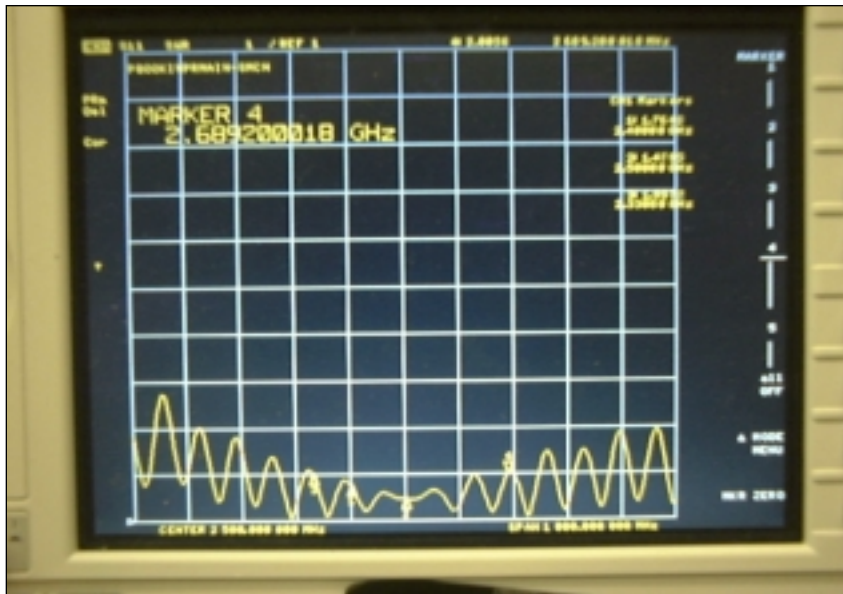
Antenna	X-Y PLANE (dBi)		Y-Z PLANE (dBi)	
	Horizontal	Vertical	Horizontal	Vertical
Wireless LAN Main	-6.3	-3.5	-4.4	-3.2
Wireless LAN Sub	-5.1	-3.7	-5.0	-3.0
Bluetooth	-5.7	-3.3	-4.2	-12.5



5. VSWR

Antenna attached on the Package of Satellite Pro 4600





6. Ra
Plea

7. Polarization
Vertical

8. Impedance
50 Ω