FUJITSU LIMITED
1405 Ohmaru
Inagi-shi, Tokyo 206-8503, Japan
Tel : +81-42-370-7630
Fax : +81-42-370-7588

FUJITSU

DECLARATION

June 13, 2005

Applicant: FUJITSU LIMITED
Model: P1510D
FCC ID: EJE-WL0009

We, **FUJITSU LIMITED**, of the above address hereby declare, at our sole responsibility, that our Notebook PC (Model: P1510) is in compliance with the following FCC requirements. The Notebook PC has 802.11a/b/g module, which is based on granted model (FCC ID: H8NWLL4070). Antenna has modified from originally granted module and this time we are going to obtain the FCC grant of the Notebook PC itself with portable configuration as new application. There is no co-location and co-operation of 2.4GHz and 5GHz.

❖ Frequency allocation for 802.11b/g:
1ch to 11ch: 2412MHz to 2462MHz (FCC Part15 Subpart C 15.247)

❖ Frequency allocation for 802.11a Normal mode:
Low band: 5180MHz to 5240MHz (FCC Part15 Subpart E 15.407)
Mid Band: 5260MHz to 5320MHz (FCC Part15 Subpart E 15.407)
High Band: 5745MHz to 5825MHz (FCC Part 15 Subpart C 15.247)

❖ Frequency allocation for 802.11a/g Turbo mode:
6ch: 2437MHz (FCC Part15 Subpart C 15.247)
42ch: 5210MHz (FCC Part15 Subpart E 15.407)
50ch: 5250MHz (FCC Part15 Subpart E 15.407)
58ch: 5290MHz (FCC Part15 Subpart E 15.407)
152ch: 5760MHz (FCC Part15 Subpart E 15.407)
160ch: 5800MHz (FCC Part15 Subpart E 15.407)

❖ FCC15.407(c); the device shall automatically discontinue transmission.
Data transmission is always initiated by software, which is then pass down through the MAC, through the digital and analog base band, and finally to the RF chip.
Several special packets (ACKs, CTS, PSPoll, etc···) are initiated by the MAC. There are the only ways the digital base band portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets is being transmitted.

❖ FCC15.407 (g); the device is responsible frequency stability.
The maximum frequency tolerance allowed by the IEEE 802.11a standard is ±20 ppm. The 40MHz clock crystal has a maximum of ±20 ppm tolerance overall operating conditions. It is multiplied up to generate the transmit signal. Hence when operating in the 802.11a band, the tolerance of frequency keeps within ±20 ppm overall conditions.

Sincerely,

Tsuyoshi Uchihara
Engineer
Engineering Dept. 1Mobile Computing Div.