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February 24, 2004
RE: Compaq Computer Corporation
FCC ID: CNTWM3B2200BGA

1. The photograph regarding the Sapphire Antenna and Chassis is not clear if the 20 cm distance from the laptop user is maintained. It can not be determined if the ruler is placed at the keyboard or lap level from the photograph provided. Additionally the photographs appears to show 19 cm (antenna feed point to user distance) and not the 20 cm required for mobile classification.

Response: Hewlett Packard would like to withdraw the Sapphire platform from this approval. The Sapphire platform will be addressed for approval at a later time.

2) Regarding the HP vs. Compaq responsible party information, the email provided from Rich Fabina was asking for further information from HP. Your response given in the email mentioned that HP sent further information. It is not certain if the Grantee code "CNT" is expected to be HP or if this will remain Compaq. Currently is it still listed on the site as Compaq. Are we waiting for a change to occur? Note that official information regarding HP's authority to act for Compaq has not been provided to us.

Response: The grantee code CNT has been officially changed to the Hewlett Packard Company. Please see the attachment showing the page from the FCC website showing this.

The following comments previously provided do not appear to have been addressed.

3) It appears that the antennas for the bluetooth and 802.11 devices may be < 20 cm and therefore considered as co-located. However, the RF exposure information does not appear to address this issue. Please explain/correct the exhibits as necessary. Additionally, please provide information to show the distance of the antenna relative to the other antennas.

Response: Per the BT test report for the FCC-ID: LNQBTM200, the antenna gain is 1 dBi, the power output is 2.50 dBm (worst case). Therefore, the calculated maximum EIRP is 2.50 dBm + 1 dBi = 3.33 dBm = 2.44 mW. Since the calculated maximum EIRP is below 5 mW, there is no co-location in this system, this was stated on previous submissions by Bill Graff.

4) The RF exposure information states a power of 17.63 dBm, while the test reports appear to show a maximum of 17.53 dBm. Is this an error? Please explain.

Response: The 17.63 dBm is a typo. The MPE calculations have been re-calculated using 17.53 dBm. Please see the revised MPE calculations in the exhibits.

5) Please explain the gain column shown in the power measurements. Additionally, it is uncertain how this factors into the formula for determining power. Note that the power methodology given states the device was directly connected to a power meter.

Response: The gain column is only the level (setting) used to obtain the correct power level. Intel will set the gain given in the test report. The gain was set using the CRTU II tool, which is special software to control the gain (power output), rate and channels for EMI/EMC purposes. The gain does NOT factor into the formula for determining power.