



MOTOROLA

Date: October 06, 2008

Subject: Request for additional information regarding FCC ID: IHDP56JK1

Reference:

Correspondence Reference Number: IHD80864
Confirmation Number: 809100864-7
Date of Original Email: September 26, 2008

Prepared by:

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Questions and responses follow:

1. Please submit a Block Diagram for both the BT and WLAN transmitters that shows all clocks/oscillators, as required.

Response: Please refer to the block diagram attached, the BT and WLAN with all clocks/oscillators are shown on the bottom right corner of the diagram.

2. Please submit an Operational Description of the BT transmitter. That which was submitted only describes its features.

Response: Please refer to the BT Operational Description Exhibit 12A attached.

3. Please submit test set up photos for the WLAN transmitter.

Response: Please refer to the submitted the test setup photos Exhibit 7A2 attached.

4. In the WLAN Radiated Emission report, the resolution on most of the plots (e.g., pp.31-40) is so poor as to not be able to read the frequencies where the emissions occur at the lower bandedge. Please resubmit with higher resolution plots. It appears that the peak emission levels at the 2390 MHz restricted band exceed the average limit. Please provide average field strength data demonstrating compliance of the emissions in this restricted band.

Response: Please refer to the Corr RN attached and the revised two test reports accordingly.

5. Was the output power for the BT transmitter measured in both EDR and non-EDR modes? The RBW used is less than the 20 dBc bw of the EDR emission. Please remeasure this emission with RBW > 20 dBc bw and provide that data, and specify which mode was used in the measurement already provided in the report.

Response: Please refer to the revised Bluetooth report attached.

6. Multiple plots in the BT radiated emission report (pp.15-18) show peak emissions of the 2nd harmonic exceeding the average limit. There is one set of tabular data on p.19. Please confirm that this data is representative of the worst case emissions shown in the previous plots. Again, the resolution is so poor as to barely be able to read the plots and tabular data.

Response: Please refer to the Corr RN attached and the revised two test reports accordingly.

7. The WLAN output power in the WLAN EMC report is 23.08 dBm, while the level shown in the SAR report is 15.56 dBm. Please confirm that the former is the peak level, and the latter the average.

Response: All WLAN power levels in the EMC report are peak and those in the SAR report are average power levels.

8. Body SAR measurements were apparently only performed in voice mode (1:8 duty cycle). Were multi-slot GPRS transmission modes measured for body SAR? The data tables make no indication of the mode tested, but the body SAR plots for both bands only show a 1:8 duty cycle. Please revise the summation SAR levels, if necessary.

Response: The data for GPRS Class 11 (for 850 MHz) and GPRS Class 10 (for 1900 MHz) is shown in data Table 12. As seen by the body worn test results, because the SAR for 1:8 duty cycle is higher, the SAR plots for 1:8 duty cycle are attached in Appendix 3 of the report.