



Date: 26th May 2005

Gregory Czumak
 PCTEST Engineering Laboratory, Inc.
 6660-B Dobbin Road
 Columbia, MD 21045

Re: Correspondence Number 150523A.AZ4 with FCC ID: AZ489FT7010.
 Confirmation Number: 1505230262

Dear Mr. Czumak;

Motorola Inc., 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322, herein submits its response to the 25th May 2005 request for information in Correspondence Number 150523A.AZ4.

- Q1. Please describe how the EUT prevents simultaneous transmission of the GPRS transmitter (Parts 22 and 24) and the WLAN transmitter (Part 15C).
- R1. The radios are controlled by a s/w manager that prevents GPRS & WLAN to simultaneously transmit. This protection is embedded in the System Software layer loaded by the factory. In addition, Motorola instructed the application developers, that the application will prevent this scenario as well.
- Q2. The EUT contains a previously certified GSM (GPRS) module. Therefore, please either: (a) add "This device contains TX FCC ID: IHDT56DB1" to the label, or (b) submit a copy of the EMC test report for the GSM module, so that it can be included in this composite filing.
- R2. We updated the label as it was suggested: "This device contains TX FCC ID: IHDT56DB1". Please see attached a copy of the updated label. Please see the updated Exhibits 1 & 3 to reflect this update.
- Q3. The EUT is also a personal computer, therefore, please either: (a) put the DoC logo on the label (assuming that it has been so tested), (b) submit a Part 15B test report for the pc portion of the EUT, so that it can be included in this composite filing, or (c) justify a Class A rating for the pc, based on intended use, cost, and marketing.
- R3. Class A justification:
 The unit was developed and funded by FedEx Inc.
 The unit will be use by FedEx users and not intend to be used by the general public market.
- Q4. The EMC report lists the conducted output power of the Section 15.247 WLAN as 0.056 W, however, the SAR report lists its conducted output power level as 0.093 W. Please address this discrepancy.
- R4. The unit for the SAR test was adjusted to the "worst case", which is 0.093 W power output level. This adjustment is possible only by using the s/w tool (provided by Samsung) that was used in the development stage. This tool is not part of the product nor will be provided outside of the development department (factory, service or any external site).
 The unit for FCC was tested for the required granted level, which is 0.056 W.
 We ensured with the WLAN manufacturer (Samsung) that each module power level will not exceed 0.056 W. Our factory is testing every WLAN radio to ensure that the power out level will not exceed 0.056 W.
 Please see the updated Exhibits 13a and 12.

- Q5. Please provide internal photos of the Bluetooth transmitter, as well as a revised photo #7 with the RF shield removed.
- R5. [Attached is a photo of the internal Bluetooth transmitter w/o shield.](#)
[Please see the updated Exhibit 9 to reflect this mod.](#)
- Q6. The Confidentiality Request lists Exhibit 6, the test report. Test reports may not be held confidential- please delete it from the request. In addition, the request refers to Exhibit 4 as a circuit description, when it is really the block diagrams. Please correct the request accordingly.
- R6. [The Request for Confidentiality letter was corrected to refer to Exhibit 4 as Block Diagrams instead of Circuit Descriptions. Also, we are removing that the Test Report \(Exhibit 6\) be held under the "Temporary Confidentiality". See the attached corrected Exhibit 13b.](#)
[Has been answered by Mike Ramnath on May 26](#)
- Q7. Please confirm that the following is a typo: Table 7.3.3 of the EMC report, the frequency of the spurious emission should be 2483.5 MHz, and not 2383.5 MHz.
- R7. [Typo was corrected.](#)
[Hermon lab confirms that this was a typo, the frequency of the spurious emission is 2483.5 MHz, as shown in Plots 7.3.25 to 7.3.28.](#)
[Attached please find the revised test report.](#)
- Q8. Please submit the operational description (referred to as Exhibit 12 in the confidentiality request).
- R8. [Re-sending Exhibit 12.](#)
[Has been answered by Mike Ramnath on May 26](#)

Contact me at (954) 723-5793 if you require any additional information.

Sincerely,
/s/ Mike Ramnath (signed)
Manager, Regulatory Compliance
Email: Mike.Ramnath@motorola.com