



MOTOROLA

Date: December 05, 2007

Subject: Request for additional information regarding FCC ID: IHDP56HA1

Reference:

Correspondence Reference Number: IHD7688
Confirmation Number: 708020688-90
Date of Original Email: November 30, 2007

Prepared by:

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Questions and responses follow:

1. The conducted power table in the Part 22/24 EMC report lists values for WCDMA (both bands) that are more than 1.5 dB lower than the levels shown in the corresponding WCDMA reference plots. Please explain these discrepancies.

Response: Please refer to the revised test report, HA-EX06-1, for the correct plots.

2. The WCDMA bandedge measurements (both bands) were performed with a RBW less than 1% of the emission bandwidth. Please remeasure these plots using a RBW greater than or equal to 1% of the emission bandwidth and submit the new data.

Response: Please refer to the revised test report, HA-EX06-1.

3. Several Bluetooth peak spurious radiated emissions exceed the average limit. Either average field strength measurements of these emissions, or else information regarding a duty cycle correction, must also be provided in order to demonstrate compliance of the emissions' average field strength levels.

Response: Please refer to the following explanation:

FINAL AVERAGE DATA

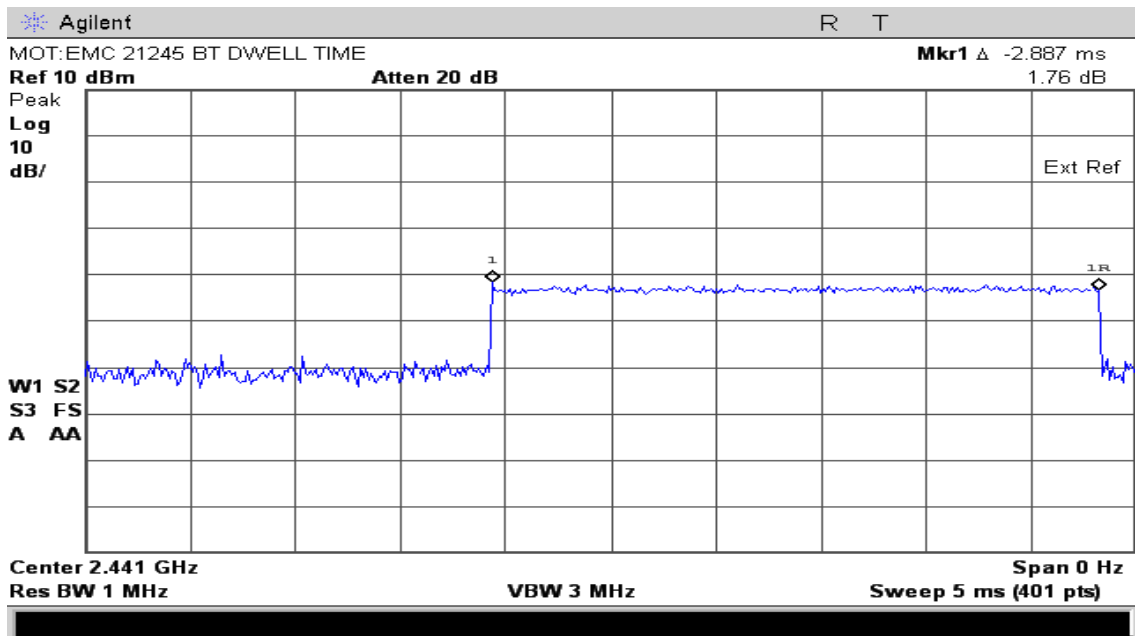
Preliminary peak scans were performed in low, mid and high channels as well as with EUT configured along X, Y and Z orthogonal axis.

Per clause 15.35 of CFR 47, Part 15 and DA 00-705, the measured field strength was determined by averaging the pulse train over a 0.1 second interval.

The EUT's measured dwell time is 2.887 ms and based on the fact that the same channel will not be reused within 100 ms period, the average value of measured emissions is calculated as follows:

$$2.887 \text{ ms} / 100\text{ms} = 0.02887$$
$$20\log (0.0292) = -30.79\text{dB}$$

When the calculated relaxation is applied to the measured field strength the levels were well below the limit and no average measurements were considered necessary.



Dwell Time

4. The language required by Section 15.105 cannot be located in the user's manual or the safety supplement. Please resubmit the manual, including this language.

Response: Please refer to the updated user's manual, HA-EX08-1.

5. Please submit an Operational Description of the Bluetooth transmitter. That which was submitted only describes the BT module's interaction with the remainder of the EUT.

Response: Please refer to Exhibit HA-EX12A.pdf

6. Please provide documentation showing that the test lab that performed the BT radiated emission measurements is accredited to ISO/IEC 17025 for these specific tests.

Response: The lab was audited, any issues were addressed, and we are now awaiting accreditation. However, the lab is listed with FCC. Based on a correlation study with UL measurements, we are confident of the test lab performance.