



MOTOROLA

Date: July 1, 2010

Subject: Request for additional information regarding FCC ID: IHDT56LU2

Reference:

Correspondence Reference Number: IHD100726
Confirmation Number: 1Y1006110726
Date of Original Email: June 21, 2010

Prepared by:

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Questions and responses follow:

1. Please submit block diagrams for the DTS and DSS transmitter chips that show some detail of the RF sections of those transmitters, as well as listing the clock/oscillator values (p. 3/5 of the BLD document is a schematic, not a block diagram).

RESPONSE: [Please refer to the revised block diagrams submitted online.](#)

2. In the user's manual, the information on p.55/65 is a duplicate of the information found on the previous page, but the measured SAR levels are missing. Please revise the manual and resubmit it.

RESPONSE: [Please refer to the revised user's manual submitted online.](#)

3. An average detector was used to perform the WCDMA occupied bandwidth measurement- a peak detector should be used. Please revise.

RESPONSE: [Please refer to the revised EMC report submitted online.](#)

4. Page 19/51 of the DTS EMC report states "peak" output power measurements, but the plots show the use of an average detector. Please confirm that these are average output power measurements.

RESPONSE: [Please refer to the revised DTS EMC report submitted online.](#)

5. DTS bandedge plots set the D.L. at 20 dBc, however, if output power measurements are made with an average detector, then, per 15.247(d), the oob limit is 30 dBc. The data appears to show that compliance with the 30 dBc limit at the lower bandedge is not achieved for all modes of operation. If that is the case (i.e., the EUT can only show compliance with the 20 dBc oob limit at the bandedges), then please submit peak output power measurement data.

RESPONSE: Please refer to the revised DTS EMC report submitted online.

6. DTS RF conducted spurious emissions (thru the 10th harmonic) were measured using an average detector. This is not permitted for a 15.247 device. Please re-measure using a peak detector and submit that data.

RESPONSE: Please refer to the revised DTS EMC report submitted online.

7. Please verify that different DTS data rates were investigated in the course of performing the EMC measurements, and that the data provided represents the worst case data. Please note that the test report should clearly state this.

RESPONSE: We verified and clearly state this under "General and Special Conditions" of the report. Please refer to the revised DTS EMC report submitted online.

8. FYI: as requested previously, in the future please provide data, such as output power and radiated emissions, for the DTS and DSS test reports, in tabular form, instead of submitting scores of plots (only the plots for the worst-case values need be submitted). This will greatly aid in reducing the amount of time required for review.

RESPONSE: Noted.