



MOTOROLA

Date: December 11, 2009

Subject: Request for additional information regarding FCC ID: IHDP56KT1

Reference:

Correspondence Reference Number: IHD91363
Confirmation Number: 911091363-6
Date of Original Email: December 3, 2009

Prepared by:

Andrew Bachler, Principal Staff Engineer
Motorola Mobile Device Business
Libertyville, Illinois 60048

Questions and responses follow:

1. Please provide the peak antenna gain for the WLAN and BT transmitters.

Response: [The antenna gain for the two transmitters is below 6 dBi.](#)

2. Please submit a block diagram of the RF section of the licensed transmitter showing all clock/oscillator values.

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

3. Please submit RF conducted plots of the CDMA emissions (both bands) starting at points 1 MHz removed from the bandedges using RBW= 100 kHz (cell band) and RBW= 1 MHz (PCS band).

Response: [Please refer to the 1M offset plots EX06-1 submitted online.](#)

4. Page 6/40 of the DTS EMC report refers to the EUT as a BT transmitter and describes its test condition. Please revise for the WLAN test.

Response: [Please refer to the revised WLAN EMC report EX6A5 submitted online.](#)

5. On p. 35/40 of the DTS EMC report, the average plot shows several AC line conducted emissions at or above the average limit. Please address.

Response: Please refer to the revised EX6A5 submitted online. 802.11b CH1,CH6 and 802.11g CH1 have been retested.

6. On p. 5/27 of the DTS RE report, please confirm that these are average power measurements, as they are considerably lower than the peak power levels measured in the DTS EMC report.

Response: Those values are from product specifications provided by the customer, not measured values. The new test report template will remove those in the future.

7. On p.15/31 of the DSS EMC report, the non-EDR mid and hi channel plots appear to be identical to the mid and hi channel EDR plots (pp. 16-17). Please confirm that these plots are correct. If not, please submit the correct plots.

Response: Please refer to the revised BT EMC report submitted online.

8. FYI: the DTS 6 dB bw test is a minimum requirement test, therefore, in the future please test at the lowest data rates, and not the highest.

Response: Noted.

9. FYI: in the future, please submit DTS/DSS block diagrams that provide more detail of the RF sections.

Response: Noted.

10. FYI: in the DSS EMC report, the blue text on most of the plots is so light as to be nearly unreadable. In the future please use greater contrast for the plot text.

Response: Noted.