



MOTOROLA

Date: .September 30, 2004

Subject: Request for additional information regarding FCC ID: IHDT6DZ1 (Portable PCS GSM transceiver with embedded Bluetooth)

Reference:

Application Received:	07/27/2004
Correspondence Reference Number:	240929A.IHD
Confirmation Number:	TC4263 & TC4264
Date of Original Email:	09/29/2004

Prepared by:

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QUESTIONS AND RESPONSES FOLLOW:

Bluetooth Application:

1. Question #1 of my email dated 8/27/04 requested tabulated radiated emission data for the bands between 1 and 12 GHz, specifically including radiated emission data from the restricted band at 2483.5 - 2500 MHz. The data provided in your submittal dated 9/21/04 only listed the levels of radiated emissions located in the authorized band (2400-2483.5 MHz), but none in the requested restricted band. The plots of the band edge hi channel emissions (pp. 19, 22, and 25 in your recent submittal), as well as the spurious conducted emission plots, show relatively strong spurs in this band. Therefore, as requested, please provide tabular radiated emission data for emissions in the 2483.5-2500 MHz restricted band.

Response:

Radiated emission for the 2483.5- 2500 MHz restricted band was re-measured. Tabular data follows:

MOTOROLA PHONE
 MODEL: BROADCOM BCM2035
 Y-AXIS, HI CH

RED: HORIZONTAL GRN: VERTICAL

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Height [cm]	Polarity
Horizontal 2483.5-2500MHz										
1	2494.8	57.05	pk	-40	30.4	47.45	54	-6.55	101	Vert
Vertical 2483.5- 2500MHz										
2	2497.4	53.43	pk	-40	30.4	43.83	54	-10.17	101	Vert

LIMIT 1: CFR 47 PART 15C Bluetooth
 LIMIT 2: NONE
 LIMIT 3: NONE
 LIMIT 4: NONE
 LIMIT 5: NONE
 LIMIT 6: NONE

pk - Peak detector
 qp - Quasi-Peak detector
 av - Average detector
 avlg - Average log detector
 avem - EMI Average detector