



MOTOROLA

Date: April 6, 2010

Subject: Request for additional information regarding FCC ID: IHDT56LV1

Reference:

Correspondence Reference Number: IHD100325
Confirmation Number: Y1003230325-6
Date of Original Email: March 25, 2010

Prepared by:

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Questions and responses follow:

1. Will the EUT be marketed to the general public (i.e., the end user) or only to OEM installers?

RESPONSE: The EUT will be marketed only to OEM installers.

2. The HSPA data rates listed in the application appear to be lower than for standard HSPA operation- please confirm that they are correct.

RESPONSE: Yes confirmed, this CP1000 supports HSPA data rates up to 10.1 Mbps downlink and 5.76 Mbps uplink.

3. The block diagram is insufficient. Please submit a block diagram that shows some detail of the RF section of the transmitter, as well as listing the values of all clocks/oscillators.

RESPONSE: Please refer to the revised block diagram.

4. The installation manual must inform the installer of all of the regulatory language that they must provide to the end user by providing an example (i.e., Sections 15.19, 15.21, 15.105, external label stating "This device contains TX FCC ID: IHDT56LV1", etc.). Please revise the installation manual to include this information and resubmit it.

RESPONSE: Please refer to the revised manual (exhibit 8).

5. The installation manual must include the required RFx warning statement the installer re installing such that a minimum 20 cm separation distance is

maintained between the antennas and all users during normal operation.
Please revise and resubmit the installation manual.

RESPONSE: Please refer to the revised manual (exhibit 8).

6. No reference to antenna choice and installation is made in the installation manual. Please revise, informing the installer of the maximum permitted gains per band (from the MPE report) and resubmit it.

RESPONSE: Please refer to the revised manual (exhibit 8).

7. The frequency stability data lists “battery endpoint”, but the EUT is not battery powered. Pursuant to Section 2.1055(d)(1), please provide frequency stability data with the primary supply voltage varied from 85% to 115%.

RESPONSE: Please refer to the updated test report (exhibit 6).

8. The MPE report uses maximum source based time-averaged transmit power levels in the calculations. Please submit test data to support the power levels used.

RESPONSE: Please refer to the following conducted power level table:

Table 1. Conducted Power Levels

[Pink Box] = Highest peak power, to be used for ERP/EIRP calculations
[Yellow Box] = Highest average power, to be used for MPE calculations

GSM	Class 8	Class 10	Class 11	Class 12	Units
850	33.27	31.27	29.27	27.27	dBm
	2123.24	1339.68	845.28	533.33	mW
	265.41	334.92	316.98	266.67	mW (time avg)
1900	30	28	26	24	dBm
	1000.00	630.96	398.11	251.19	mW
	125.00	157.74	149.29	125.59	mW (time avg)

8PSK	Class 8	Class 10	Class 11	Class 12	Units
850	28	26	24	22	dBm
	630.96	398.11	251.19	158.49	mW
	78.87	99.53	94.20	79.24	mW (time avg)
1900	27	25	23	21	dBm
	501.19	316.23	199.53	125.89	mW
	62.65	79.06	74.82	62.95	mW (time avg)

WCDMA	dBm	mW
850	24.09	256.45
1900	24.27	267.30

- FYI: pursuant to Section 2.1033(c), the target output power ranges for the EUT must be submitted with the application (typically in the tune- up procedure). In the future, please be sure that they are submitted.

RESPONSE: FYI is noted.