



MOTOROLA

Date: September 12, 2007

Subject: Request for additional information regarding FCC ID: IHDT56HN2

Reference:

Correspondence Reference Number: IHD7676

Confirmation Number: 707240676-78

Date of Original Email: September 5, 2007

Prepared by:

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Questions and responses follow:

1. The Operational Description lists Class 12 GPRS/EDGE, but the SAR report only appears to address Class 10 operation. Is Class 12 operation available to the EUT at its full output power?

Response: The product team has indicated that the Emerald EMEA is Class 10 for GPRS/EDGE. The software is for Class 10. GPRS/EDGE Class 10 operation has higher average power than Class 12 operation. Only the higher average power operation is required for test.

2. Please provide schematic diagrams for the Bluetooth transmitter (it is unclear whether the exhibit already submitted contains the referenced diagrams).

Response: Please refer to page 9 of Exhibit 5.

3. Please provide an Operational Description of the Bluetooth transmitter- that which was provided only describes its interaction with the rest of the phone.

Response: Please refer to "[2045-PB03-R.pdf](#)".

4. Please provide proof that your test lab is accredited to perform the radiated emission measurements on the BT transmitter (previously outsourced to a different test lab).

Response: The accreditation for test lab is in process. However, the lab is listed with FCC. Based on a correlation study with UL measurements, we are confident of the test lab performance.

5. The Recommended Limits (System Verification Target values) shown on p.5 of the SAR report are incorrect. You should use the Grand Average values from the dipole characterizations certificates. Please address.

Response: The table has been updated to include the 11.3 W/kg Grand Average from the 900MHz dipole cert.

f (MHz)	Description	SAR (W/kg), 1gram	Dielectric Parameters		Ambient Temp (°C)	Tissue Temp (°C)
			ϵ_r	σ (S/m)		
900	Measured, 7/27/2007	10.9	40.7	0.97	20.8	19.2
	Measured, 7/31/2007	10.9	39.9	0.96	20.8	19.8
	Measured, 8/2/2007	11.0	39.8	0.95	20.4	19.9
	Recommended Limits	11.3	41.5 $\pm$ 5%	0.97 $\pm$ 5%	18-25	18-25
1800	Measured, 7/28/2007	36.5	39.0	1.36	20.7	19.9
	Measured, 7/31/2007	37.2	40.0	1.37	21.0	20.0
	Measured, 8/1/2007	37.1	40.0	1.36	21.0	20.0
	Measured, 8/2/2007	38.3	39.9	1.38	20.6	19.6
	Recommended Limits	38.1	40.0 $\pm$ 5%	1.4 $\pm$ 5%	18-25	18-25