



MOTOROLA

Date: September 17, 2007

Subject: Request for additional information regarding FCC ID: IHDT56HR1

Reference:

Correspondence Reference Number: IHD7578
731 Confirmation Number: 706270578-80
Date of Original Email: September 10, 2007

Prepared by:

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Libertyville, Illinois

Questions and responses follow:

Subject: Request for additional information

In regards to your recent TCB application referenced above, we kindly request that you provide the following additional information.

1. Please resubmit the user's manual, including the HAC language required by the FCC.

Response: Please refer to page 83 of the revised draft copy of the user's manual.

2. Please submit an Operational Description for the Bluetooth transmitter.

Response: Please refer to "TI_brf6100_6150.pdf".

3. The schematic diagrams submitted list a different FCC ID at the top of each page. Please address.

Response: Please refer to HR-EX05-1.pdf.

4. Several items in the 22/24 EMC report are listed as being past their cal due date-please address.

Response: At the time of testing, all items were within their specified calibration dates.

5. The Recommended Limit (Target Value) for the 1800 MHz SAR System Verification should be the “Grand Average” value from the Dipole Characterization Certificate, as it was for the 900 MHz measurement. Please correct, and also submit the Dipole Characterization Certificate for the 1800 MHz dipole used in the System Verification tests.

Response: Please refer to the attached 1800 MHz dipole certificate and the following system accuracy verification data:

f (MHz)	Description	SAR (W/kg), 1gram	Dielectric Parameters		Ambient Temp (°C)	Tissue Temp (°C)
			ϵ_r	σ (S/m)		
900	Measured, 11-May-2007	11.93	41.5	0.97	21.3	20.9
	Recommended Limits	11.24	41.5 ±5%	0.97 ±5%	18-25	18-25
1800	Measured, 11-May-2007	37.88	39.5	1.36	21.8	21.0
	Measured, 14-May-2007	36.20	39.9	1.37	21.2	20.8
	Recommended Limits	37.5	40.0 ±5%	1.4 ±5%	18-25	18-25

Certification of System Performance Check Targets

Based on WI-0396

-Historical Data-


1800MHz	
IEEE1528 Target:	38.1 (W/kg)
Measurement Uncertainty (k=1):	9.0%
Measurement Period:	10-May-06 to 18-April-07
# of tests performed:	1314
Grand Average:	37.5 (W/kg)
% Delta (Average - IEEE1528 Target)	-1.6%
Is % Delta <= Expanded Measurement Uncertainty (k=2)?	Yes
Accept/Reject <u>Average</u> as new system performance check target?	ACCEPT
<u>Applies to Dipole SN's:</u> 246tr, 250tr, 251tr, 259tr, 263tr, 271tr, 272tr, 276tr, 277tr, 279tr, 280tr, 281tr, 283tr, 284tr, 2d128, 2d129	

-New System Performance Check Targets- per WI-0396
 (based on analysis of historical data)

Frequency	SAR Target (W/kg)	Permittivity	Conductivity (S/m)
1800MHz	37.5	40.0 ± 5%	1.40 ± 5%

-Approvals-

Submitted by: Date:

Signed: 

Comments:

Approved by: Date:

Signed: 

Comments: