

Date: 11 August 2006

Mr. Martin Perrine
Authorization & Evaluation Division
Federal Communications Commission Laboratory
7435 Oakland Mills Road
Columbia, MD 21046

Re: Form 731 Confirmation Number: EA585607 with **FCC ID: AZ489FT5846**.

Dear Mr. Perrine,

Motorola Inc., 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322, herein submits its response to the 26 July 2006 request for information on FCC ID: AZ489FT5846, EA585607 via Correspondence Numbers 31366 and 31367.

Q AA. Regarding your answer to AA, please provide the associated field measurement to show that the narrowband result and broadband result are equal. This validation does not have to be repeated in future tests but the data from this test could be inserted as a supporting annex.

Response:

Table 6.4-2 in Section 6.4 has been added detailing the actual field measurements for both the narrowband and broadband signals. The field measurements show good agreement with the signal characterization in Figure 6.1-1. In addition, Section 6.4.1 has been added to the report with details of the input signal's temporal characteristics.

FYI 1. Please change the report text to make it clear that the TMFS is used for the probe validation. In addition please provide HH coil calibration data.

Response:

Section 6.0 of the report indicates that the TMFS was used for probe validation activities. The text in Section 6.1 has been changed to make clear that the data therein was taken with the Helmholtz coil, with the amplitude linearity data shown in Table 6-1-2.

FYI 2. Please provide more details about how the reference level was set for the audio input to the system. Please include what voltage was required, how it was measured (i.e. equipment, location and average time etc), and how the actual voltage was determined.

Response:

Section 7 of the report (DUT Setup and Test Procedure) has been augmented to include further details on how these levels were set.

FYI 3. Please provide more details about how the final frequency response was determined to include input spectrum, RAW output spectrum, and the math to obtain the final answer.

Response:

Section 6.4.2 has been added to the report, providing details on how final frequency responses were determined.

FYI 4. Please update the text in Section 10 to make it clearer how the RF emission was selected. If the speaker and T-coil are collocated the relevant RF rating should be equal to the M rating of the phone. If the T-coil is offset than a second 5x5 grid measurement is made using the Section 4 procedure. The actual field value at the T-coil location is not the value of interest.

Response:

The text in Section 10 has been changed to remove unnecessary complexity.

Motorola thanks you for your valuable additional suggestions, most of which have been incorporated into the updated report attached.

If you have any questions, please contact me at 954-723-5793.

Sincerely,

/s/ *Mike Ramnath (signed)*

Manager, Regulatory Compliance

Email: Mike.Ramnath@Motorola.com