

Date: 6<sup>th</sup> June 2003

Diane Poole  
Authorization & Evaluation Division  
Federal Communications Commission Laboratory  
7435 Oakland Mills Road  
Columbia, MD 21046

Re: Form 731 Confirmation Number: EA805405 with FCC ID: AZ489FT7004.

Dear Miss Poole,

Motorola Inc., 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322, herein submits its response to the 7<sup>th</sup> May 2003 request for information on FCC ID: AZ489FT7004, EA805405 via Correspondence Number 25143.

Q1) Updated BW accessory statement. The statement "Use only Motorola approved supplied or replacement batteries, and accesso-" is not specific enough. Please refer to the specific accessories tested for compliance.

R1) The current accessory statement, which has been accepted by FCC for the past several months, serves two purposes: (1) it instructs consumers to use ONLY Motorola approved supplied or replacement batteries and accessories, the data for which FCC has reviewed and; (2) cautions customers NOT to use non-Motorola accessories and batteries because FCC RF guidelines may be exceeded. It is not desirable to "refer to the specific accessories tested for compliance," as FCC suggested. All Motorola approved batteries and accessories for this radio--whether approved initially by FCC at time of grant application or as after-market equipment through the permissive change and grant modification processes--comply with FCC requirements. We therefore respectfully renew our request to use existing user manual language.

Q2) Additional SAR test results as follows:

--Worst case configuration with and without BT transmitter on.

--19200 mode data for worst case configuration for each major configuration division as stated in the table on page 19 and 20 of 21.

--Worst case configuration with CW and with 10% duty cycle signaling mode for comparison.

R2)

- The Bluetooth transmitter does not transmit simultaneously with the collocated DataTAC transmitter. This is stated in section 3.0 of the submitted report.

- Measurement results performed at the center channel with the DUT in both 19200 and 9600 modes were presented in section 7.1 of the submitted report. A comparison of the results shows that both modes produce results that are within the measurement system uncertainty of each other. It is reasonably expected that there would be no S.A.R. impact between the baud rates.

- Please find the requested information entitled "10% versus CW SAR 030604.pdf" attached herein. The results of the 10% versus CW transmission mode S.A.R. assessment showed that the measured results obtained with the device set to 10% duty cycle is in fact approximately 10% of the results obtained in CW mode.

Q3) Justification for system verification target. Please include SAR measurement using head liquid taken on the same day as for the body liquid measurement provided.

R3) Dipole validations at the head from SPEAG were provided in the submitted report. The CGISS EME lab validated this dipole to the applicable IEEE system performance targets. Within the same day system validation was performed using FCC body tissue parameters to generate the system

performance target values for body at the applicable frequency. The results of the CGISS EME system performance check at the body were provided in APPENDIX C of the submitted report and this target was also presented in section 4.1 of the submitted report. The submitted report has been revised to include the system validation results at the head during the same day as the system performance measurement at the body. The revised report is attached herein as "FCC rpt\_HDT600 BT\_DataTAC\_part1of2\_Rev A\_030604.pdf" and "FCC rpt\_HDT600 BT\_DataTAC\_part2of2\_Rev A\_030604.pdf"

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

Sincerely,  
*/s/ Mike Ramnath (signed)*  
FCC Liaison  
Email: [mike.ramnath@motorola.com](mailto:mike.ramnath@motorola.com)