

May 10, 2002

### RESPONSE TO QUESTIONS

**Reference:**

FCC ID: IHDT56BJ2  
Applicant: Motorola Inc  
Correspondence Reference Number: 4092  
731 Confirmation Number: TC635267  
Date of Original Email: 05/07/2002

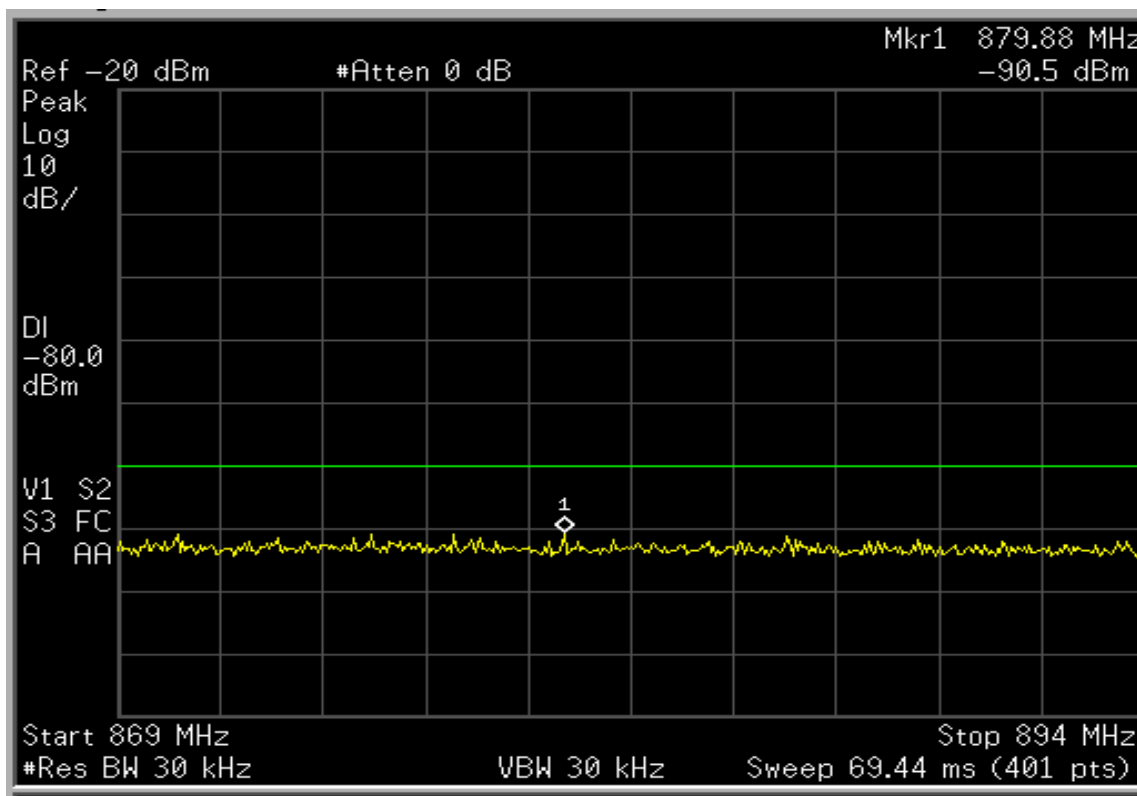
**EMC**

1) Letter stating compliance with ESN and 911 calling requirements of 22.919 and 22.921.

**RESPONSE:** In the original submission, both the ESN and 911 statements were located in Operational Description (Exhibit 12) to facilitate exhibit confidentiality. In response to item 4, a revised exhibit 12 is attached.

2) Measurement data showing compliance with 22.917(f) while in the 800 MHz CDMA mode.

**RESPONSE:** Refer to the following plot.



4) Justification for necessary BW for each mode according to 2.202 ( c).

**RESPONSE:** Refer to the bandwidth calculations in revised Exhibit 12A.

5) Complete parts lists.

**RESPONSE: A parts list was included in the original submission. Please refer to exhibit 10A.**

6) Please revise the tune range stated on the grant. The 800 MHz values appear to be incorrect. They appears to be block range as oppose to tuning range.

**RESPONSE: 824.7 MHz – 848.31 MHz**

## **SAR**

**RESPONSE: Refer to the supplemental SAR report for the following issues.**

- 1) Statement of compliance with FCC RF exposure requirements. Such a statement could not be located.
- 2) Justification for the body-worn test configurations used. It appears that the leather case was not tested with the "wishbone" as pictured.
- 3) Discussion of how the EUT was operated/controlled during the test to assure the testing of all appropriate modes, maximum power, and any duty factor driven parameters. Supplement C Appendix B part I 2.
- 4) Additional description of the SAR measurement system. Please describe the main components of the system and how the SAR measurements are actually performed once setup: include coarse scan, determination of peak SAR location, scans to measure points in 1 gram volume, and procedure to determine SAR value from the measurement points. Per Supplement C Appendix B part II 7 and 8. Please include additional description/photographs of the phantom. Please provide details of the flat phantom. Test photographs show a groove in one picture but a flat surface in another. Please clarify.
- 5) Justification for use of 6.5 as the conversion factor for 835 MHz head liquid. Calibration certificates suggest 6.4 should have been used. Also, please justify the difference probe conversion factors used during validation on 4/1 and 4/2. Consistent values should be used. Values with the lowest uncertainty should be used.
- 6) Provide SAR test plots for all measurements.