



MOTOROLA

Date: March 25, 2004

Subject: Request for additional information regarding FCC ID: IHDT56EQ1 (Portable Cellular/PCS GSM transceiver)

Reference:

| | |
|----------------------------------|-------------|
| Application Received: | 3/9/2004 |
| Correspondence Reference Number: | 240325A.IHD |
| Confirmation Number: | TC4080 |
| Date of Original Email: | 3/25/2004 |

Prepared by:

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Questions and responses follow:

1. What instrument settings (i.e., RBW, VBW, detector function) were used to make both spurious radiated and conducted emission measurements?

Response: Please refer to the following table.

| Test | Technology | Band | FCC Part | RBW (MHz) | VBW (MHz) | Detector | Trace | Sweep Time |
|------------------------------|------------|------|----------|-----------|-------------|------------------|----------|------------|
| Spurious Conducted Emissions | GSM | 850 | 22 | 0.1 | Auto, ≥ RBW | Peak | Max Hold | Auto - Cal |
| Spurious Conducted Emissions | GSM | 1900 | 24 | 1 | Auto, ≥ RBW | Peak | Max Hold | Auto - Cal |
| Spurious Radiated Emissions | GSM | 850 | 24 | 0.1 | Auto, ≥ RBW | Peak | Max Hold | Auto - Cal |
| Spurious Radiated Emissions | GSM | 1900 | 24 | 1 | Auto, ≥ RBW | Peak | Max Hold | Auto - Cal |
| Spurious Radiated Emissions | GSM | 850 | 15.109 | 0.12, 1 * | Auto, ≥ RBW | Peak, QP, Ave ** | Max Hold | Auto - Cal |
| Spurious Radiated Emissions | GSM | 1900 | 15.109 | 0.12, 1 * | Auto, ≥ RBW | Peak, QP, Ave ** | Max Hold | Auto - Cal |

* Resolution BW adjusted based on emission frequency:

- 120 kHz RBW used for emissions from 30 MHz - 1 GHz
- 1 MHz RBW used for emission greater than 1GHz.

** The detector used was adjusted based on emission frequency (Prelim sweeps made with peak detector):

- QP used for emissions from 30 MHz - 1 GHz
- Average used for emission greater than 1GHz.

2. Please submit the SAR data plots.

Response: Please refer to the supplemental SAR report submitted on 3/25/04.

3. There is a typo on p.6 of the SAR report: the 900 MHz validation test results taken 2/14/04 should be 11.32, per the data plot.

Response: Please refer to the supplemental SAR report submitted on 3/25/04