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SAR Test Report for Motorola the mobile cellular phone (FCC ID IHDT56CQ1).

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The Motorola Personal Communications Sector Product Safety & Compliance Laboratory has evaluated the mobile cellular phone, FCC ID IHDT56CQ1, for the need to conduct SAR evaluation. In 47 CFR § 2.1091, paragraph (b) defines a mobile device as “a transmitting device designed to be used in other than fixed locations and to generally be used in such a way that a separation distance of at least 20 centimeters is normally maintained between the transmitter’s radiating structure(s) and the body of the user or nearby persons.” The mobile cellular phone FCC ID IHDT56CQ1 is intended to be installed into a vehicle such that the unit is physically secured at one location. Based on the installation of the transceiver and the antenna, the transmitters radiating structure is more than 20 centimeters from the user. Thus, the mobile cellular phone FCC ID IHDT56CQ1 is a “mobile device” as defined in section § 2.1091 paragraph (b).

The transmitter has two transmit frequency bands of operation. For the 800MHz frequency band, the transceiver’s transmit frequency is below 1.5 GHz and its ERP is below 1.5 W. Thus, the mobile cellular phone FCC ID IHDT56CQ1 is “categorically excluded from routine environmental evaluation” per § 2.1091 paragraph (c) and SAR evaluation is not required. For the 1900MHz frequency band, the transceiver’s transmit frequency is above 1.5 GHz and its ERP is below 3W. Thus, the mobile cellular phone FCC ID IHDT56CQ1 is “categorically excluded from routine environmental evaluation” per § 2.1091 paragraph (c) and SAR evaluation is not required.

The users manual contains information specifying that all persons remain at least 20 centimeters from the antenna. In addition, separate installation instructions provide antenna system details required to ensure the mobile exclusion.