
Subject: FW: Response to Corres 241206B.IHD , FCC ID: AZ489FT5842 (DTR series Two-Way Portable Transceiver with MOTOTalk)

Attachments: FT5842 Ex_6c_(Spur_Em)a.doc



FT5842
6c_(Spur_Em)a.doc

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Q1. Please provide the average filed strength data needed to demonstrate compliance with Section 15.205/15.209

R1. Please see Exhibit 6c attached. The radio was set to transmit in normal operating mode (frequency hopping) and Radiated Spurious Emissions was measured using a peak detector.

Average field strength measurement required the radio to be set on a single frequency which is a unique test mode for the radio that is not accessible by the end-user. The frequency was swept over the harmonics of the frequency hopping bands and the highest Radiated Emission was recorded for each harmonic. All Radiated Emissions measured were below the 74dBuV/m FCC limit for peak measurement per FCC Rule Part 15.35(b).

Additionally, all Radiated Spurious Emissions in the Restricted Band per Part 15.205 were below 54dBuV/m as measured with a peak detector which encompasses the worst case measurement condition, demonstrating compliance with Part 15.205 and 15.209.

Best Rgds,
Mike Ramnath
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