

Re: FCC ID ABZ99FT3004
Applicant: Motorola, Inc.
Correspondence Reference Number: 15565
731 Confirmation Number: EA98066
Date of Original E-mail: 2000 August 11
Date of Response: 2000 August 23

Mr. Frank Coperich:

In response to your inquiries in your e-mail dated 2000 August 11, Motorola, Inc. submits the following answers and clarifications. Your questions are repeated here, in quotation marks, to provide continuity.

1. Please submit MPE evaluation results for the antennas described in the manual (three 3 dBd and a quarter wave) for this SMR radio.

Response: The MPE report, Revision A dated 2000 August 18, is attached. Only one antenna, RRA4935 3dB gain, is intended for this product and the MPE report states results accordingly. The User manual is applicable to both 800 MHz and 900 MHz models and therefore lists various antennas along with their frequency range. The User Manual has been revised to better clarify which antennas are applicable to which models.

2. The submitted RF exposure instructions in the manual require the radio operator to maintain 2 ft separation between the antenna and bystanders. This requires the radio operator to satisfy controlled exposure requirements. The instructions also indicated transmit only when people INSIDE and outside of the vehicle are satisfying such conditions. These similar issues have been address in similar applications filed recently, please review such filings and address issues for this filing.

Response: As the MPE report shows, the maximum exposure level for people outside the vehicle at a distance of 2 ft is well within the FCC General Population/Uncontrolled Exposure limit of 0.6 mw/cm^2 .

Please refer to the enclosed revised User's Manual. The previous instructions to the operator to assure people inside the car are a specified distance from the antenna has been deleted. This is consistent with the test results contained in the MPE report which indicate levels inside the car, both front and rear seat locations, adequately meet the FCC General Population/Uncontrolled Exposure limit of 0.6 mw/cm^2 for all intended antenna locations.

3. The antenna installation instruction describes installation procedures for a control station. The separation distance in Table 1.1 should be referenced for control station configurations. It should also be indicated in both the antenna installation instructions and users manual that the distance requirements are for FCC RF exposure compliance (instead of EME exposure).

Response: Fixed site configuration with an external antenna is one of the intended operating configurations. Please refer to the recently enhanced installation instructions addressing this type

of configuration found in the User and Radio Installation Manuals. The manual now authorizes only tower or roof top locations. Furthermore, specific language has been added: "...it is the responsibility of the licensee to manage the site in accordance with applicable regulatory requirements and may require additional compliance actions such as site survey measurements, signage, and site access restrictions in order to insure that exposure limits are not exceeded."

Motorola uses the term "EME Exposure" generically and applicable to many different models that are marketed in the various regions of the world governed by different regulatory agencies and standards. Please note that immediately below the bold headings which contain the phrase "EME Exposure" the manual states "to assure optimal radio performance and that human exposure to radio frequency electromagnetic energy is within the guidelines referenced earlier in this document...". The standards cited earlier in the document include "United States Federal Communications Commission, Code of Federal Regulations; 47 CFR part 2 sub-part J". Motorola desires, whenever possible, to use common manual language across the full breadth of our product line.

A new version of Exhibit 12 and the MPE report, as Exhibit 12A, are included. New versions of the Radio and the 900 MHz Mobile Gain Antenna installation manuals are provided as replacements for Exhibit 12B and Exhibit 12C, respectively. New versions of the GTX Radio User's manuals are provided as replacements for Exhibit 9A and Exhibit 9B, respectively.

Regards,

Robert O. Loving, Jr.