

Gentlemen,

This covering letter is in response to your e-mail dated 4 April 2001, EA 100042, FCC ID CASTEL0054, correspondence number 18729. Exhibits for RF Exposure (Warning) Label, RF Exposure Limits Installer Information and User Information Addendum, Installation Guide correction, and MPE report correction will be up-loaded with this letter.

Q1. Please identify the operating configurations and exposure conditions of this transmitter. Does it use vehicle-mount antennas only or if there are other operating configurations.

Answer:

Operating Conditions: Mobile transmitter using vehicle mounted antennas only.
Exposure conditions: Occupational/Controlled.

Q2. The manual has identified only a 4.5 dBi antenna with a RF safety separation distance of 1 meter in one statement then 0.82 meters in another statement. The MPE Report indicates antennas with gains of 2.15, 4.5 and 5.15 dBi with RF safety separation distances from 0.5 to 0.88 meters. The statement in the MPE report must match what is in the manual. The RF safety distances in the MPE report must match the manual. The antennas and antenna gains in the MPE report must match the manual. Please correct all these discrepancies. What antennas will be used?

Answer: The RF Exposure Limits Installer Information and User Information will be removed from the manual and a separate instruction sheet supplied with each transmitter. The tables in the MPE Report have been corrected. The antennas used will be:

Antenna Type: Monopole ($\lambda/4$ whip)
Antenna Gain: 2.15 dBi
Antenna Type: Monopole ($5\lambda/8$ whip)
Antenna Gain: 5.15 dBi

Q3. You applied for this transmitter to be limited for use in an occupational/controlled exposure environment. In order for this radio to qualify for use in an occupational exposure environment, radio operators are required to have the knowledge, through training, to control the exposure conditions and duration for themselves and bystanders. Please correct the appropriate training material and procedures as supporting info. If the training info is in the form of a manual, an RF exposure label is required on the device to direct users to the specific training info. The label should indicate that in order for this radio to satisfy FCC RF exposure requirement it must be restricted for occupational use only and the users must following the specific training information in the manual before operating this radio. Show the location of the label and the wording in the label.

FYI... Please see recently approved filing, FCC ID:AZ492FT4835 for similar situations on controlled exposure requirements. That device (operates at a higher frequency) is categorically excluded from routine RF exposure evaluation but has chosen to perform both MPE and SAR measurements to achieve a smaller (more realistic) separation distance. For training and labelling info, please see another recently approved filing, FCC ID:OWDTR-0006-E. This is a portable radio, but the training and labelling info should generally be applicable to the device in the current filing.

Answer:

See exhibits for training information, label and label positioning.

Best Regards,

Steve Crompton.