

**MOTOROLA**

Date: December 20, 1999

Mr. Frank Coperich
Authorization & Evaluation Division
Federal Communications Commission Laboratory
7435 Oakland Mills Road
Columbia, MD 21046

Dear Mr. Coperich;

Motorola Inc., 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322, herein submits its response to the December 20 request for information on FCC ID: AZ489FT5797, EA95186, correspondence number 11101.

- 1) Page 6 of the Antenna Mounting section in the latest revision of the User's Manual (attached) will be amended and will read as follows:

Antenna Mounting

"The best mounting location for the antenna is in the center of a large, flat conductive surface. In almost all vehicles, these requirements are best satisfied by mounting the antenna at the center of the roof. Some vehicles have a large trunk lid that provides a good antenna location. If the trunk lid is used, connect grounding straps between the trunk lid and vehicle chassis to ensure the trunk lid is at chassis ground.

Three types of antennas can be used:

1. RAFU136A - Magnetic Antenna
2. FAD5524A - Mobile Window Antenna
3. HAF9067A - Mobile Roof Mount Antenna

Antennas with gain exceeding 3 dBd do not comply with FCC RF exposure regulations and are not allowed for use with this product.

Make sure that you refer to the antenna installation instructions according to the kit number".

Also, page 96 of the User's Manual for Antenna and Installation Considerations, is listed below for your reference:

Antenna and Installation Considerations

" All equipment must be properly installed in accordance with Motorola installation instructions.

To assure compliance with United States FCC regulations on RF exposure, the user of the equipment must position the antenna in such a way to maintain a separation of at least 8 inches (20 cms) between the antenna and the body of any user and nearby person.

Ensure that the antenna is properly installed external to the vehicle

and in accordance with the requirements of the antenna manufacturer/supplier.

Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the modem, or result in violation of the ICNRP or the FCC”.

2) We are in agreement with the Commission’s proposed grant condition that “Antennas for this device must be vehicle mounted to provide at least 20 cm separation between the antenna and persons for satisfying MPE requirements. MPE tested with 3 dBd antennas, use of other antennas must not exceed total system output of 1.5 W ERP. The appropriate information for satisfying RF exposure compliance must be provide to installers and end users”.

We trust this adequately provides the information you requested. Please contact me at (954) 723-5793 if you require any additional information.

Sincerely,

Mike Ramnath
FCC Liaison
Email: emr003@email.mot.com