



13<sup>th</sup> January 2003

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

Re: Form 731 Confirmation Number: EA426062 with FCC ID: AZ492FT3805

Dear Mr. Lyles;

Motorola Inc., 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322, herein submits its response to the 27<sup>th</sup> December 2002 for information in Correspondence Number 24604.

Q1). Please note that the attenuation requirement for radiated spurious emissions is  $43 + 10\text{Log}(P)$  dB. This is referenced to the desired signal yielding dBc. The attenuation specification is not XX uV/M, or derived from absolute value of the field strength. The dBc is determined from the substitution method such as described in the ANSI/TIA/EIA-603-A-2001 document. What is needed is a determination of the actual power levels necessary to reproduce these field strength levels. Those power levels (from a signal generator source and a dipole antenna replacing the EUT) are then compared to the power output of the transmitter to determine dBc. That is the basis of the "substitution method".

Please submit data / results obtained in this manner.

R1). Find attached the updated Exhibit 6.

Q2). The Users Manual states that this radio is restricted to Occupational Use Only and the MPE report states General Population/Uncontrolled RF Exposure. Please clarify.

R2.) This device is marketed to informed and aware Commercial, Government, and Industrial users. Therefore it is classified as Occupational/Controlled exposure. This classification is indicated on the cover page of the submitted report. Consistent with FCC guidelines, the passengers inside the vehicle and the bystanders external to the vehicle were evaluated to the General Population/Uncontrolled exposure limits.

Q3). Please provide a warning label on the exterior of the device.

R3). The operation of this transmitter satisfies the requirements for Occupational/Controlled Exposure Environment and the end users are provided with instructions for meeting the Occupational/Controlled Exposure requirements.

Q4). The Users Manual should contain instructions for proper mounting of the unit, training information, spacing from the antenna (a) to nearby persons and antenna gain limits to satisfy MPE limits.

R4). We have a separate Safety Booklet which contains the requested information. See attached.

Contact me at (954) 723-5793 if you require any additional information.

Regards,  
**/s/ Mike Ramnath**  
FCC Liaison  
Email: [mike.ramnath@motorola.com](mailto:mike.ramnath@motorola.com)