



M/A-COM

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Federal Communications Commission
FCC Laboratory Division
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, Maryland 21046

FCC ID: OWDTR-0020-E
M7100 UHF-L mobile

Reference: Submission for OWDTR-0035-E and CRN 28453.

Dear Sir,

This letter is to request the processing of a Class II Permissive Change for the referenced EA Grant. An error has occurred and has just now come to M/A-COM's attention. Specifically, there should be a note in the Grant indicating the power level of this mobile product as variable between 15 and 50 watts, in one watt increments.

This capability has been in the product since its' initial lab testing, filing submission, and market introduction. There are no additions or changes to the product.

The M7100 UHF-L mobile radio, when used in motorcycle applications, is configured at the Lynchburg, VA factory (or the authorized factory representative location), for a conducted output power of 25 watts.

As an exhibit with this correspondence are revised MPE calculations (two) based on the 25 Watt power level. 5% has been added to the 25 watts as opposed to the 20% adder indicated by rule 90.205 (r). Fixed power manufacturing variance influence is not present at the time of use, due to the configuration actions taken prior to shipment and system commissioning (i.e. setting of 25 watts). Statistical review and observation of manufacturing configurations shows repeatability of less than .04 db unit-to-unit variance. 5% is used in the calculation to allow for comprehensive uncertainty.

Also included with this correspondence as an exhibit, is a photograph showing the distance in an actual motorcycle application, utilizing M/A-COM mounting hardware and antenna.

Finally, exhibits have been included with this correspondence for revised Operator and motorcycle Installation manuals, which now tabulate motorcycle specific MPE separation distance (page 7 of Operator's and Installation manuals) and warning against the substitution of vehicular mobile units for motorcycle application (page 7 of Operator's and Installation manuals).

Thank you for your help in correcting this oversight in our motorcycle mobile product applications.

Sincerely,

A handwritten signature in black ink that reads "Daryl G. Popowitch". The signature is written in a cursive style with a large, stylized 'D' and 'P'.

Daryl Popowitch
Regulatory Manager
Engineering Project Manager

M/A-COM, Inc. – Lynchburg, VA