



17<sup>th</sup> December 2012

FEDERAL COMMUNICATIONS COMMISSION  
7435 Oakland Mills Road  
Columbia, MD 21046  
USA

Subject: **Class II Permissive Change Request**

**Applicant: Futurecom Systems Group**  
**Product: MOBEXCOM DVR Digital Vehicular Repeater**  
**Model: MOBEXCOM DVR VHF**  
**FCC ID: LO6-DVRSVHF**

Dear Sir/Madam,

Customers of Futurecom intend to use Mobexcom DVR VHF, Motorola VHF, UHF, 700MHz and 800MHz Digital Mobile radios and specific antennas as a package. The Mobile radios tested for this submission are authorized under FCC ID: AZ492FT3824, AZ492FT5858, AZ492FT3821, AZ492FT4894, AZ492FT4897, AZ492FT4896, AZ492FT7037, AZ492FT7035, AZ492FT7043, AZ492FT7048, AZ492FT7044, AZ492FT4895, AZ492FT4898, AZ492FT7047 and AZ492FT4904. See the attached RF Exposure Reports.

A Class II Permissive Change is required to certify minimum distances between the vehicle and bystanders with both the Mobexcom DVR VHF and the various above mentioned Motorola mobile radios. MPE measurements with SAR Computational Simulations were performed on these configurations with simultaneous transmission and antennas mounted on a car as shown in setup diagram. It was determined that the combined Mobexcom DVR VHF and the mobile radio maximum power density is less than maximum allowed value.

The combined system (the DVR and the Mobile Radio) have no effect on the RF performance or power out of the system. The operation of the DVR System can be found on pages 6 through 8 of the draft Users Manual.

All hardware for this system complies with the requirements of 90.247 and it is the responsibility of the Licensee to comply with the operational requirements of this section. The MPE Report, draft Users Manual, and the RF Safety Booklet are attached.

I also certify that the information provided, properly described the device or system for which Class II Permissive Change is required.

Sincerely,

Tony Bombera, P.Eng.