10th February 2020

To Whom It May Concern

Subject: **Class II Permissive Change Request**

Applicant: **Futurecom Systems Group, ULC**
Product: **MOBEXCOM DVR Digital Vehicular Repeater**
Model: **MOBEXCOM DVR 800**
FCC ID: **LO6-DVRS800**

Dear Sir/Madam,

I hereby appoint UltraTech Engineering Labs Inc. (UltraTech) to act as my agent in preparation of this application to FCC for a Class II Permissive Change under FCC Rules. This change is one of many that were approved by the FCC and/or TIMCO and/or UltraTech.

Customers of Futurecom intend to use Mobexcom DVR 800 transmitting simultaneously with Companion Mobile radio (FCC ID: AZ492FT3826), using various combinations of antennas. See the attached MPE and SAR Assessment Reports. The antennas used for this Class II Permissive Change are HAF4016A for the Mobexcom DVR 800 and HAD4016A, HAD4017A, HAD4021A, HAD4006A, HAD4007A, HAD4008A, HAD4009A, HAD4022A and RAD4010ARB for the Companion Mobile radio.

The reports list the APX4500 mobile radio, FCC Model Number M22KSS9PW1AN. The reports also apply by similarity to the APX2500 mobile radio, FCC Model Number M24KSS9PW1AN. The only difference between mobile radios APX4500 and APX2500 is software features which do not affect power or the transmit frequencies or modes. The APX2500 features are limited in software. Hardware is identical. All data provided on the APX4500 is representative of the APX2500.

A Class II Permissive Change is required to certify minimum distances between the vehicle and bystanders with both the Mobexcom DVR 800 and the Motorola mobile radio. MPE measurements and SAR Computational Simulations were performed on the Mobexcom DVR 800 and the mobile radio with different antennas mounted on a car.

The combined system (the DVR and the Mobile Radio) have no effect on the RF performance but the aggregate exposure and power are both higher for the combined 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/SAR Assessment Reports, 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.