## **EXHIBIT 15**

## **RF EXPOSURE**

## 15.0 RF Exposure

The manufacturer does not specify or sale any antenna with the radio identified in this report. The manufacturer applies for the General Population/Uncontrolled Environment.

The maximum distance, from the antenna at which MPE is met or exceeded, is calculated from the equation relating field strength E in V/m, transmit power P in Watts, transmit antenna numeric gain G, and separation distance in meters:

$$E(V / m) = \frac{\sqrt{30 \times P \times G}}{d}$$

Power density:  $P_d(mW/cm^2) = \frac{E^2}{3770}$ 

The limit for general population/uncontrolled exposure applicable to Bystanders (at 27.405 MHz) =  $180/(f(MHz))^2$  in mW/ cm<sup>2</sup>

## MPE CALCULATION

- 1. Antenna: Typical CB antenna available on the market and commonly chosen by end-users for vehicle application. Antenna gain is -4.5 dBi as compared to an ideal  $\frac{1}{2}$ -wave dipole (0 dBd = 2.15 dBi)
- 2. Frequency: 27.405 MHz. Limit for General Population/Uncontrolled Environment (Bystanders): 0.24 mW/ cm<sup>2</sup>
- 3. Separation distance:

Conducted Power	Largest (worst-case)
delivered to	Separation Distance
antenna	
(Watt)	(cm)
3.7	27
1.85 (50%)	19

Note - Source-base time-averaging duty factor = 50%

Instructions will be placed in the user manual instructing installers and users to maintain the MPE distances during operation of the EUT.