June 10, 2010

TO: FCC OET

FROM: Thomas Rubinstein, Motorola

SUBJECT: Requested Frequencies

In performing our test program, we will need to use frequencies near the low end, middle, and high end of the two frequency bands our antennas are designed for. Because the uncertainty of interference, we are, in some cases, requesting multiple frequencies so that we can re-locate to avoid interfering with or being interfered-with by other stations. We discuss some of our frequency selections below:

144.1 to 148 MHz

We have requested nearly the entire 144-148 MHz amateur band. Our intention is to use only one channel but, because amateur operations are not predictable and we need an interference-free environment for our tests, we have requested maximum flexibility.

156.040, 156.180, and 156.260 MHz

We have requested three frequencies near 156 MHz. According to a ULS frequency search we performed on June 8 of this year, these frequencies are all offset by at least 15 kHz from any existing users within 40 km of the proposed test location. Since our test signals are only 500 mW at a height of 1.5m, and (other than station identification) will be unmodulated, we do not expect to interfere with any nearby licensees.

764.0125 and 805.9875 MHz

These frequencies are in the proposed Public Safety 700 MHz band. A search of the FCC ULS database on June 8, 2010 revealed that there are no licensees on either proposed frequency within 200 km of the proposed test location. Given that the units to be tested are intended for use by Public Safety, they must be tested on Public Safety frequencies.

868.9875 MHz

Motorola maintains frequent contact with the licensee of this frequency and will cease transmitting immediately if notified that the licensee has commenced use of this frequency and is experiencing interference.