

Exhibit C

Lockheed Martin is requesting FAA coordination for a new FCC experimental license for test signals. If any question please contact John Witt Lockheed Martin Syracuse 315-456-3003.

The TPS59 will utilize test towers at the following site(s):

- (1) Syracuse, NY, Fixed - NL 43° 04' 14"; WL 76° 04' 48"
- (2) Syracuse, NY, Mobile - NL 43° 04' 14"; WL 76° 04' 48", within 1 km

- Frequencies:

- 1275 MHz (Emission Designator 22M00W0N)
- 1372.5 MHz (Emission Designator 39M00W0N)
- 1264 – 1286 MHz, 1353 – 1392 MHz (Emission Designator N0N)

- peak envelope power (PEP);

- (1) Antenna input = 27.8 dBm maximum (Antenna output = 30 W ERP)
- (2) Antenna input = 20 dBm maximum (Antenna output = 0.3 W ERP)

- type of antenna;

- (1) Lansdale H-5000R, Standard Gain horn Antenna
- (2) Inventive Electronics LPA 114, Log Periodic Antenna

- transmit antenna gain;

- (1) 17.0 dB, 3 dB beamwidth: 30° azimuth, 35° elevation
- (2) 5 dB, 3 dB beamwidth, 70° azimuth, 85° elevation

- elevation above sea level of the antenna site;

- (1) Syracuse: 116.8 m (383 feet)
- (2) Syracuse: 125 m (410 feet)

- height above ground of the focal point of the antenna;

- (1) Syracuse: 42 m (138 feet)
- (2) Syracuse: maximum 45.7 m (150 feet)

- antenna polarization;

- (1) Horizontal
- (2) Horizontal

- the azimuth that the antenna is pointed or appropriate designator to indicate whether the antenna is rotating, non-directional, etc.;

- (1) Directional, bearing 55° true north
- (2) Directional, bearing 90° to 270° true north

- pulse repetition rate (PRR) that the equipment is capable of operating on to include PRR stagger sequences if appropriate, whether the PRR is adjustable and what PRR's the equipment can accept, and any other information that would be helpful in understanding the pulse characteristics (staggered, jittered, fixed) of the equipment;

Not Applicable

- pulse width;

Not Applicable

- equipment nomenclatures;

- (1) **TE-X2 (Lockheed Martin Custom built test equipment not for sale)**
- (2) **RFA641 (Inventive Electronics Inc. Radar Field Analyzer)**

- whether the equipment is capable of blanking transmissions in certain azimuths and any limitations with respect to blanking;

- (1) **No, (directional antenna will be permanently mounted)**
- (2) **No, (directional antenna will be temporarily pointed towards currently licensed system operated under authorization WC2XRP)**

- radius of operations if appropriate;

- (1) **Fixed position**
- (2) **Mobile, station location within 1 km radius of Syracuse center coordinates**

- detailed description of the proposed operation to include any technical parameters that will be altered during operations.

The proposed test signals are designed to test the capabilities of the TPS-59 system. No station will be located north of interstate I-90.

Typical eight hour operations within a 24 hour period are anticipated. This activity is in support of contract numbers M67854-05-D-2002, M67854-07-C-2051, and M67854-04-C-2019 with Marine Corps Systems Command. No technical parameters are expected to change for the duration of this experiment.