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Application for Equipment Certification

EXHIBIT J

DC Voltages and Currents of Final Amplifier

2.1033 (c) (8) Final amplifier DC voltages & currents

The LAXT has two main power supplies that provide voltages for the transmitter system, 28 VDC and 50 VDC. The 28 VDC is used to power the control circuitry while the 50 VDC is used to power the RF Power circuits. The 50 VDC outputs from each supply are diode OR'd together on the Motherboard. If one power supply fails the transmitter will operate a reduced power of -6 dB.

| Power Supply Unit1 | | Power Supply Unit2 | |
|--------------------|------|--------------------|------|
| Voltage 1 (50 V) | 47.6 | Voltage 1 (50 V) | 47.4 |
| Voltage 2 (28 V) | 26.0 | Voltage 2 (28 V) | 25.6 |
| Current (A) | 20.7 | Current (A) | 19.3 |

| Opto Isolators | | Relays | |
|-------------------|--------------------------|----------------------|-------------------------------------|
| Opto1 [Reset Mod] | <input type="checkbox"/> | Relay1 [Input Alarm] | <input type="checkbox"/> |
| Opto2 [Reboot] | <input type="checkbox"/> | Relay2 [Rf Off] | <input type="checkbox"/> |
| Opto3 [Rf Off] | <input type="checkbox"/> | Relay3 [Psu Alarm] | <input type="checkbox"/> |
| Opto4 [N.A.] | <input type="checkbox"/> | Relay4 [Gps Alarm] | <input checked="" type="checkbox"/> |

A display screen from the transmitter has been captured to show the required data.

