February 14, 2017

FAA Spectrum Engineering Division

800 Independence Avenue SW

Washington, DC 20591

Subject: FAA Notification of Sandia Aerospace Application for FCC Certification of STX 360, dual band mode A/C transponder & ADS-B/UAT transceiver.

To whom it may concern,

Sandia Aerospace is currently developing the STX 360; a dual band transceiver in accordance with following Technical Standard Orders: TSO C74d Class A, TSO C154c Class A1S, TSO C157b Class 1, TSO C195a Class C1. The STX 360 is capable of coded Mode A/C transmissions as well as UAT/ADSB transmissions that are used for Air Traffic Control.

As required by CFR47 paragraph 87.147(d), Sandia Aerospace hereby submits notification of FCC Certification application for the STX 360. The equipment characteristics are as follows:

- MODEL EQUIPMENT Part Number: STX 360
- Manufacturer's Identification: Sandia Aerospace FCC ID No. YJL-DAGEDX
- Antenna Characteristics: Conventional single 50 (ohm) Vertically Polarized
- Rated Output Power Mode A/C transponder: 125 watts (minimum), 501 watts (maximum)
- Rated Output Power UAT: 15.8 watts (minimum), 39.8 watts (maximum)
- Emission Type: Mode A/C transponder - 20M0V1D, UAT - 1M30F1D
- Emission Characteristic: Mode A/C transponder: Pulse Amplitude Modulation, UAT: 2FSK modulation +/- 312KHz deviation.
- Frequency: Mode A/C transponder 1030 MHz, UAT 978 MHz (receive); Mode A/C transponder 1090 MHz, UAT 978 MHz (transmit)
- Essential receiver characteristics if protection is required: No protection is required.

If you require any additional information, please contact myself (Mark Kamrowski) via telephone at (505) 341-2930 x4123 or email at mark.kamrowski@sandia.aero

As you know, the FCC will not act on the grant of certification until it receives the FAA's determination regarding whether it objects to the application for equipment authorization. Please proceed with your review process and issue a letter of concurrence so we may complete the FCC certification process.

Thank you for your prompt attention to this notification.

Mark Kamrowski

SR RF Design Engineer- Sandia Aerospace