

RE: Transportation Safety Technologies, Inc.

FCC ID: NVX-TST-RFT200

1) Please provide a plot that show compliance with 15.231 (a)(2). For instance, show its transmission over a 30 second period after it first begins to transmit or when the button is released.

***A. Part 15.231 (a)(2) is for transmitters that are activated automatically. This unit is activated manually, so this rule part does not apply to this unit. A modification letter was uploaded with this application stating that the manufacturer will adjust the software so the unit will stop transmitting within five seconds of being released.***

2) Please comment if the 5 seconds transmit limitation exists for all modes of operation (E-Stop vs. normal operation, etc.).

***A. The five second transmit limitation exists for all the modes of operation. (See updated theory of operations)***

3) From the theory of operation it appears that the EUT may transmit information of different packet lengths. How will this fact affect the duty cycle of the transmitter?

***A. The theory of operations explains the different packet lengths. The duty cycle was calculated in the normal mode.***

4) The theory of operation states that the transmitter will transmit for 10 seconds. The modifications letter states 5 seconds. Please modify the theory of operation to be consistent with the final product (i.e. 5 seconds).

***A. The theory of operations has been modified to be consistent. Please see exhibit "Revised Theory of Operations.pdf".***

5) Please comment on the RBW & VBW settings used for 30 MHz to 4339 MHz during radiated testing.

***A. The RBW was 100 kHz below 1 GHz, and 1 MHz above 1 GHz. The VBW was 30 kHz below 1 GHz and 1 MHz above 1 GHz.***

6) FYI, since the emissions at 4339 MHz fall in a restricted band, the restricted band limit of 500 uV/m should have been used for this frequency.

***A. Noted, after limit was corrected the worst case emission at that frequency is 15.8 dB below the limit.***