

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.