

September 10, 2018

RE: Innovative Wireless Technologies, Inc.

FCC ID: SP8-FAP4213210

IC: 9568A-FAP4213210

ATCB023123

After a review of the submitted information, I have a few comments regarding the above referenced Application. Depending on your responses, please note that there may be additional comments.

The Block Diagram shows ANT1 and ANT2 outputs – can these 2 antennas transmit simultaneously? I note that the User's Manual references attaching multiple antennas to the EUT – please clarify.

Response: The ANT1 and ANT2 outputs cannot transmit simultaneously. One output is for an internal antenna and the other is for an external antenna. The multiple antennas referenced in the User's Manual could be: 1) Two different types of antennas (Directional and Omni-directional) or 2) Multiple antennas connected via RF power splitters as referenced in section 6.2.

The Block Diagram shows a Vehicle 11-32V input – is vehicular usage optional? Please clarify.

Response: Yes, vehicular usage is optional.

How is voice/data input to the EUT? The only ports shown on the EUT are for power and the antenna connector... there does not appear to be a data input to the EUT. If it only receives voice/data over-the-air, then with what device (that does have voice/data inputs) does the EUT communicate? Please clarify.

Response: Voice and/or data input comes to this EUT over-the-air. A mobile device (IWT push-to-talk radio) takes voice/data input and sends it to other IWT mobile devices through this EUT.

The Operational Description and TRCS list a trace antenna (0 dBi) in addition to the 2 external antennas, however, the DTS EMC report only includes radiated spurious emission (RSE) data for the 2 external antennas. Please revise the report to also provide RSE data for the EUT's onboard trace antenna.

Response: The internal antenna is not used.