

Tim,

Rev 3 RUN-ZT report uploaded with affected docs: applications and exposure statements.

I thought you'd maybe like something for your own files based on the RUN-ZU comments and other along the way. I went over everything to hopefully get this right.

1) Please justify the test site used for > 1 GHz. It appears an OAT's was not used.

Rev 3 test report now correctly describes the sites used for emission measurements. Site information at IC revised to show the correct address.

2) It does not appear that values are calculated for the bandedge. Please review.

Measurements are provided for band-edge levels with the adjacent restricted band measurement tables. Band edge section makes reference to those measurements. The existing band edge plots are provided as a visual reference.

3) There is a reading at 7215, 7320, and 7440 which exceeds the limits. Please note that there are 2 limits and the FCC does not recognize a peak-average measurement. One limit is peak, one is average. Correction of a peak measurements for duty factor should be compared to the average limit. Therefore It appears that the peak is in excess of the limits. Please see 15.35 as well.

Power adjusted down by ~10 dB and new spurious/harmonics (peaks/averages reported accordingly), peak power, power spectral density, adjacent restricted band, and bandwidth measurement supplied in test report Rev 3.

4) Please note that IC requires RX emissions to be tested as well. Please explain if the testing provided covers this. Explanation expanded in latest test report. The EUT did not have a standby or receive only mode, though when transmitting the receive mode was dominate in terms of the duty cycle.

5) Bandwidth for the IC form should be the 99% bandwidth measured following methods specified in the previously provided document, or as provided by a spectrum analyzer for 99% bandwidth.

Measured and reported as required by referencing a peak power measurement at 3 MHz RBW, then reducing RBW to no less than 1% of the bandwidth and measuring in a widest possible span.

6) FYI: Proposed Grant Notes:

Power Output is Conducted calculated from Radiated measurements. This equipment is for use by developers for evaluation purposes only and must not be incorporated into any other device or system. This device may not be sold to the general public. The antenna used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. End-users must be provided with specific operating instructions for satisfying RF exposure compliance.

Acceptable.

7) FYI....Model number to be listed will be "ZStar Triaxial Accelerometer" given the labeling provided.

Revised test report and application forms accordingly.

Also removed non-applicable video-averaged measurements of harmonic emissions and provided averages based on transmitter duty cycle. Measurements of noise floors include peak and video-averaged levels.