

16-Aug-21

### **Question 7: Purpose of Experiment**

- a) Per NTIA 8.3.27, the station class should be “XT.” The device (GPS re-radiator) is to be used as Experimental RNSS test equipment, for the purpose of testing GPS receivers installed in aircraft.

Other attachments to this application show how this system complies with the criteria of section 8.3.27 of the NTIA Manual. Attachments to this application are:

- System diagram with parts list
  - Google Earth view with radiating antenna location
  - Specifications for components
  - Power calculations
  - Stop buzzer Points of Contact
- b) The specific objective we wish to accomplish is to ensure aircraft GPS navigation systems are functioning properly without having to move the aircraft out of the building.
- c) This program will reduce time required to service aircraft, increase efficiency and contribute to ensuring the reliability of aircraft GPS navigation systems.

Very Respectfully,

Dan Hankins  
Spectrum Manager - Sr  
Textron Aviation