

From: Josh Neece

To: Nimesh Sangani

Date: December 21, 2018

Subject: Additional Information Request

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Message:

Please address the following items on the list

1) Provide a detailed narrative for the purpose of this experiment.

GS Engineering Reply: DoD contractor performing vehicle based GPS testing within secure facility. Building structure prevents outside GPS signals from being received within building.

2) GPS re-radiators may only be approved for testing GPS equipment according to strict technical standards. The requirements are listed in the NTIA Redbook Section 8.3.27. The equipment must meet the power limits specified so that you do not cause harmful interference to nearby critical GPS equipment or airplanes. Please upload an exhibit that shows you meet the power limits. If you are not familiar with these requirements, you should contact the manufacturer or salesman to ensure that your operations will meet these requirements.

GS Engineering Reply: See attached file for free space path loss at 30m.

3) Provide Link Budget for your specific GPS reradiating environment.

GS Engineering Reply: See attached file for Link Budget of equipment.

4) Provide correct information in the Output Power, ERP, Modulating Signal, Emission, and Radius of Operation field in the Application.

GS Engineering Reply: Reference attached documentation for output power and EIRP. Modulating signal 10.23 MHz/Chip Rate. Emission designator is assumed to be 24M4W7D. Radius of Operation field as used in this application is 30 m.