

From: James Campbell

To: Doug Young

Date: January 26, 2018

Subject: Request for Info - File # 0866-EX-CN-2017

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Message:

1. Submit a narrative statement describing in detail the program of research and experimentation proposed, the specific objectives sought to be accomplished; and how the program of experimentation has a reasonable promise of contribution to the development, extension, or expansion, or use of the radio art, or is along lines not already investigated.

A: To reradiate the GPS signal (inside a hangar), for testing aircraft systems.

2. This appears to be requesting the use of a GPS re-radiator. There are two listings at the same location for 1-2 GHz, but with different powers. The frequencies should be listed more precisely. The L1 frequency is 1575.42 MHz and L2 is 1227.6 MHz.

A: Frequency Range: 1.00000000 to 2.00000000 GHz, Power: 25.000000 pW, Mean Peak: Peak, Tolerance: 0.01000000, Station Class: Fixed

3. If this is indeed for a GPS re-radiator, in order to process your application further, NTIA requires the FCC to forward documentation from the applicant showing compliance with Section 8.3.28 of the NTIA Manual ([http://www.ntia.doc.gov/files/ntia/publications/redbook/2015-09/8\\_15\\_9.pdf](http://www.ntia.doc.gov/files/ntia/publications/redbook/2015-09/8_15_9.pdf)). Submit your response to items a, b and e-i.

a. Indoor only

b. : To reradiate the GPS signal (inside a hangar), for testing aircraft systems.

e. Max power is 25.000000 pW, no further record notes are required for frequency assignment

f. Emission Designator: 24M0W7D, Modulating Signal: 1023, Necessary Band Width: 24.00000000 MHz

g. ATC and local GPS users will be informed of reradiated GPS Signal

h. The signal will be off when not in use.