

From: Brian Kavalari

To: Jose Trevino

Date: April 21, 2011

Subject: FCC file number 0131-EX-ST-2011

Message:

Answers to the email questions can be found below:

1) Testing is of the Air Force AGM-130 and GBU-15 Weapon system data link pods. Raytheon is to perform depot level maintenance repair of and modification of the pods. The RF radiating tests include:

- Pod Built-In-Test (BIT) verification

- Pod antenna automatic tracking verification

- Pod receiver interference susceptibility to pod high power transmission measurement

- Antenna Voltage Standing Wave Ratio (VSWR) measurements

2) The Weapon Data Link pod system consists of a two-way full duplex video and command link system. The weapon data link communicates with the data link pod over free space. The weapon data link has a video transmitter and a command receiver. The data link pod has a command transmitter and a video receiver. The video and command link spectrum emissions are as described in the STA application. The wide-bandwidth signal is for the video transmitter and the narrow bandwidth signal is for the command link.

3) Testing is performed using an Air Force approved test set in an indoor controlled test area. Separation between the weapon data link and data link pod is approximately 10 feet and both antennas are approximately 3 feet above ground level.

4) RF radiating testing would be of short duration (about 5 minutes) several times a week.

5) The temporary application is for the interim time until Air Force docket number SPS-17757/1 and SPS-17758/1 Stage 4 application (NTIA docket draft SPS-17907/1 and SPS-17908/1) is processed. A DD1494 form was filed under the NTIA docket number to describe the new frequency assignments required by the Air Force for this program.

6) Raytheon has previously been testing the AGM-130 and GBU-15 data link systems for many years.

7) Raytheon is currently under US Air Force Contract FA8213-07-D-0001 DO 0002 to perform the testing.

Thank you,
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