

From: John Witt

To: Behnam Ghaffari

Date: November 08, 2011

Subject: FCC File No. 0539-EX-PL-2011

Message:

Mr. Ghaffari,

Thanks for your clarification request. The BFT2 transceiver is supplied as an integrated transmitter and antenna package supplied from ViaSat. Some of the information you have requested may be found in the FCC ViaSat experimental authorization WF2XPX file number 0533-EX-PL-2010 since the terminal equipment in the Lockheed Martin application is the same. Given how the ViaSat authorization was filed and granted by the Commission, some of the details are made not available?.

In respect to the INMARSAT Satellite to BFT2 receiver:

- 1.Satellite earth coverage for the contracted Army program is on commercial INMARSAT geostationary satellites I3 and I4. Only one specific satellite regional spot beam is in view for transmission from the Syracuse NY area; INMARSAT ?I4 F3? located at 98 deg W. Longitude.
- 2.The antenna receive gain is controlled by ViaSat Inc. Please refer to ViaSat experimental authorization WF2XPX file number 0533-EX-PL-2010 details.
- 3.The beam width of the receiver antenna is controlled by ViaSat Inc. Please refer to ViaSat authorization WF2XPX File number 0533-EX-PL-2010 details.
- 4.The latitude of INMARSAT ?I4 F3? is 0 deg.

In respect to the BFT2 Transceiver to INMARSAT Satellite:

- 1.The elevation orientation of the antenna is 90 deg pointing directly overhead at the sky.
- 2.The Transmit antenna gain is controlled by ViaSat Inc. Please refer to ViaSat authorization WF2XPX File number 0533-EX-PL-2010 details.
- 3.Antenna beam width is controlled by ViaSat Inc. Please refer to ViaSat authorization WF2XPX File number 0533-EX-PL-2010 details.
- 4.Elevation of the transmitting antenna is 138 meters MSL
- 5.Height of the antenna is 3.5 meters AGL.

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