From: James Waddell

To: Behnam Ghaffari
Date: July 11, 2017

Subject: 0450-EX-CN-2017

Message:

Leidos, Inc. - File No. 0450-EX-CN-2017 (Ref. 37597)

Mr. Ghaffari:

For the following three questions, Leidos assumes that the Commission is seeking information regarding the VMT-18 terminal (which is a receive and transmit antenna), and not the orbiting spacecraft (satellite) itself other than the beam type (narrow or global). If however, the Commission is seeking information regarding the RX gain and beam width of the spacecraft or specific transponders utilized, then Leidos is seeking information from ViaSat for additional information on details of the satellites that are utilized in their network.

“Please provide the following information with respect to the satellite:”

1. Satellite coverage (Narrow Beam(NB) or Earth Coverage(EC)) : Narrow beam
2. Receive antenna gain: 34.8dBi
3. Beamwidth of the receive antenna at the half power points : 3.4°

For the following three questions, Leidos provides information regarding the VMT-18.

“Please provide the following information with respect the transceiver aircraft antenna:”

1. Transmit antenna gain (dbi) : 34.8dBi
2. Beamwidth of transmit antenna at the half-power points: 3.4°

Best regards,

Jeff Rummel
Attorney for Leidos, Inc.

****

From: Waddell, Joe
Sent: Wednesday, June 21, 2017 11:00 AM
To: 'oetech@fccsun27w.fcc.gov'
Cc: 'Rummel, Jeffrey'
Subject: RE: EXTERNAL: 0450-EX-CN-2017

Hello Mr. Ghaffari,

Our antenna does indeed communicate with SES-2. I will get the requested info together and send it back to you as soon as possible.

V/r

Joe Waddell | Leidos
SATCOM Engineer | Spectrum Manager | COMSEC
Systems Engineering and Integration
Special Projects Division
Advanced Solutions Group
Business mobile: 540-831-0261
James.J.Waddell@leidos.com
https://www.leidos.com/national-security