

June 8, 2017

Subject: Department of Defense S-Band Satellite Earth Terminal Coordination

The Department of Defense (DoD) is requesting coordination of a DoD Federal S-band (2025-2110 MHz) system with non-federal/commercial users. The S-band satellite ground terminal will be operated from the Palm Bay, FL area on two frequencies. Uplink transmissions will occur 8 times per day for approximately 6 minutes per contact. Additional technical parameters are provided in the table below for your review.

Terminal Location	Palm Bay, FL
Latitude/Longitude	28-01-35N / 080-36-18W
Transmitter Power	35.2 dBm (3.3W)
Frequencies	2096.5 MHz & 2098.5 MHz
Emission Bandwidth (occupied BW)	1.25 MHz
Antenna Size	4.2 m
Sidelobe Antenna Gain (at horizon)	11.3 dBi
Antenna Feed Point Height (AGL)	51.5 ft
Antenna Minimum Elevation Angle	10 degrees
Antenna Azimuth	0 - 360 degrees
Transmissions (Interval/Duration)	8X/day at 6 min per contact

We appreciate your review of the coordination request and will stand by to address any questions you may have.

Regards,

Janet Browning
Senior Principal Engineer
jbrowning@alionscience.com
240-328-4760 (mobile)

From: Browning, Janet K <JBrowning@alionscience.com>
Sent: Friday, August 25, 2017 10:17 AM
To: douglas.young@fcc.gov
Cc: Alianti, David R; Dion, Michael R
Subject: Harris S-Band Authorization from ENG Coordinators
Attachments: Authorization - Orlando ENG Coordinator.pdf; Authorization - Palm Beach ENG Coordinator.pdf

Mr. Young,

David Alianti and I are supporting the Department of Defense and others to assist in the coordination of S-Band systems. We are assisting Harris Corporation in the request for S-Band operations in the Palm Bay, FL area. We contacted the Electronic News Gather (ENG) coordinators requesting coordination with non-federal/commercial users and received confirmation that they approved our request for operations.

Please find attached the email correspondence with the ENG coordinators. If you have any questions please let me know.

Respectfully,

Janet Browning
Senior Principal Engineer
Alion Science & Technology
240-328-4760 (mobile)
jbrowning@alionscience.com