

To: Arthur Larson
E-Mail: arthur.larson@airbus-ds-gs.com
From: Anthony Serafini
Date: August 31, 2015

Subject: Request for Info - File # 0378-EX-PL-2015

Message:

We will need additional satellite receiver information for your application. I believe you have already spoken to staff in our Spectrum Coordination Branch. Please review the following and address the missing data and concerns.

Each frequency band (7.9 GHz, 14 GHz and 30 GHz) needs a specific longitude over the equator since the applicant said he was transmitting to geostationary satellites, so he's going to need to enter multiple RSC entries for each satellite for each of the three bands he's requesting.

\$\$ADD NG 183467
TYP01 N
DAT01 150821
CLA01 U
FRQ01 M7900
NET01 ELS01
BIN01 -
BUR01 FCC
EXD01 201221
STC01 XT
EMS01 10M00M3W
PWR01 K50.0
NTS01 S??? (try S662)
XSC01 US
XAL01 US
XRC01 20132034
XAP01 R
XAZ01 V10
XCL01 WH 2XYO
XAD01 54G002B001-360

RSC01 US
RAL01 US
RLA01 000000N
RLG01 ????????W
RAP01 R
RAD01 54G002B001-360

RSC02 US
RAL02 US
RLA02 000000N
RLG02 ????????W
RAP02 R
RAD02 54G002B001-360

RSC03 US
RAL03 US
RLA03 000000N
RLG03 ????????W

RAP03 R
RAD03 54G002B001-360

etc.

REM01 *FRB,M07900.000000,M08400.000000
REM02 *AGN,AIRBUS DS GOVERNMENT SOLUTIONS, INC
REM03 *AGN,PWR IS ERP
REM04 *FLN,0378-EX-PL-2015
SUP01 TESTING AND DEMO OF EARTH STATION ANTENNAS FOR CERTIFICATION.
SUP02 TESTS CONDUCTED INCLUDE TRANSMIT AND RECEIVE ANTENNA PATTERN TESTS,
SUP03 CROSS POLARIZATION ISOLATION MEASUREMENTS,
SUP04 TRACKING PERFORMANCE MEASUREMENTS,
SUP05 FIGURE OF MERIT (G/T) TESTING DATA THROUGHPUT PERFORMANCE
SUP06 AND BIT ERROR RATE TESTING (BER).

To use 14 GHz the applicant/ELB needs to somehow exclude the TRDSS earth stations, I'd try:

REM05 *NTS,M004,TDRSS,G14-14.2,WSMR RLOS
REM06 *NTS,M004,TDRSS,G14-14.2,BLOSSOM PT RLOS

Also, DOD told me that they want only STAs for the 30 GHz requests.

I don't know what will happen to the 7.9 GHz band, but the applicant said it is also a military uplink, so he thinks it will be the same for it as it is for the 30 GHz, STA requests only.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of August 31, 2015 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

DO NOT Reply to this email by using the 'Reply' button. In order for your response to be processed expeditiously, you must upload your response via the Internet at <https://apps.fcc.gov/oetcf/els/index.cfm> by clicking on the "Reply to Correspondence" hyperlink.

Responses to this correspondence must contain the Reference number : 29284