

## Technical Description

### The Boeing Company

**Submitted:** 9/24/2019  
By Allen Lindsay, SR  
Frequency Manager  
Global Spectrum Management MC: 1K-105  
P.O. Box 3707  
Seattle, WA 98124-2207  
(425)237-9168

This activity has been coordinated with NGUYEN, JIMMY GS-14 USAF AFSPC  
AFSMO/SMI. [jimmy.nguyen@us.af.mil](mailto:jimmy.nguyen@us.af.mil)  
301-225-3729

#### JUSTIFICATION:

#### **SATCOM Antenna System**

The Boeing Company is requesting a FCC Experimental License to support the VIP SAM government contract under the following contract numbers:

VIPSAM: Contract Number: 4501684463  
USG Prime Contract Number: HC101318C0002

Manufacturer:	ASC
Model:	3.5M
Frequencies:	30-31 GHz
Emissions:	70M1M1D
ERP:	204174W
Emissions:	50M0M1D
ERP:	794328W
Emissions:	30M0M1D
ERP:	794328W
Emissions:	20M0M1D
ERP:	794328W
Emissions:	10M0M1D
ERP:	794328W
Emissions:	5M00M1D
ERP:	794328W
Emissions:	1M00M1D
ERP:	316228W

#### I5-F2 -Downlink

Frequencies:	20.2-21.2 GHz
Emissions:	70M1M1D
ERP:	549541W
Emissions:	50M0M1D
ERP:	549541W
Emissions:	30M0M1D
ERP:	549541W
Emissions:	20M0M1D

ERP: 446684W  
Emissions: 10M0M1D  
ERP: 223872W  
Emissions: 5M00M1D  
ERP: 112202W  
Emissions: 1M00M1D  
ERP: 22387W

**LOCATIONS**

Location: Lino Lakes, MN  
Lat/Lon: 45-08-03N 93-05-45W  
Station Class FX

POINT OF COMMUNICATION: INMARSAT-5 F2

**STOP BUZZER POINT OF CONTACT:**

Stop Buzzer for Operation: Robert Ruggieri cell +1 (301) 266-0924 or Boeing 24-hour NOC  
hotline: (855) 556-1001 and email: [bcssnoc@boeing.com](mailto:bcssnoc@boeing.com)