Operational Description
SATCOM Antenna System Demonstration

The Boeing Company

Submitted: 8/31/2019
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
301-225-3729

The Boeing Company is requesting a FCC Experimental License in lieu of FCC Special Temporary Authorization (STA) to continue supporting a VIP government contract.

The test will be conducted at the Inmarsat Lino Lakes MN teleport facility. Boeing is requesting to transmit Earth-to-Space on 30-31 GHz, and Space-to-Earth on 20.2-21.2 GHz.

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