

Technical Description

The Boeing Company

Submitted: 8/31/2019
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This activity has been coordinated with NGUYEN, JIMMY GS-14 USAF AFSPC
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JUSTIFICATION:

SATCOM Antenna System

The Boeing Company is requesting a FCC Experimental License in lieu of FCC Special Temporary Authorization (STA) call sign WM9XKM to continue supporting a VIP SAM government contract under the following contract numbers:

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

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
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