Operational Description
SATCOM Antenna System Demonstration

The Boeing Company

Submitted: 9/7/2018
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JUSTIFICATION:
SATCOM System Demonstration

The Boeing Company is requesting a Special Temporary Authorization (STA) to support satellite antenna development.

OBJECTIVE & TEST DESCRPTION
This requirement supports the development of the AN/ASC-24(V)4 - Thinkom Ka2517 antenna systems with Inmarsat-5 F2.

The test will be conducted at the Salt Lake City teleport facility. Boeing is requesting to transmit Earth-to-Space on 30-31 GHz, and Space-to-Earth on 20.2-21.2 GHz.

Operation Start Date: 09/28/2018
Operation End Date: 03/28/2018

Manufacturer:	AN/ASC-24(V)4 - Thinkom Ka2517
Model:	AN/ASC-24(V)4 - Thinkom Ka2517
Frequencies:	30-31 GHz
Emissions:	60M8M1D
ERP:	51286W
Emissions:	49M2M1D
ERP:	51286W
Emissions:	45M5M1D
ERP:	51286W
Emissions:	24M6M1D
ERP:	51286W
Emissions:	48M2M1D
ERP:	27542W
Emissions:	29M5M1D
ERP:	27542W
Emissions:	25M8M1D
ERP:	15849W
Emissions:	16M2M1D
ERP:	15849W

I5-F2 -Downlink

Frequencies:	20.2-21.2 GHz
Emissions:	24M5M1D
ERP:	602560W

LOCATIONS

Location:	Salt Lake City, UT
Lat/Lon:	40-45-00N 111-52-00W
Station Class	FX

POINT OF COMMUNICATION: INMARSAT-5 F2 (55W)

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