

**Technical Description**  
**SATCOM Antenna System Demonstration**

**The Boeing Company**

**Submitted:** 11/18/2019

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**JUSTIFICATION:**

**SATCOM System Demonstration**

The Boeing Company is requesting a Special Temporary Authorization (STA) to support to support high visibility testing and demonstrations at the request of the AFLCMC System Program Office in support of emergent E4-B SATCOM requirements.

Operation Start Date: 12/02/2019

Operation End Date: 05/02/2020

Manufacturer:	Thinkom Ka2517
Model:	Thinkom Ka2517
Frequencies:	30-31 GHz
Emissions:	4M80M1D, 6M30M1D, 7M60M1D, 10M80M1D, 12M30M1D, 20M20M1D
ERP:	27542W

**I5-F2;F3 -Downlink**

Frequencies:	20.2-21.2 GHz
Emissions:	24M5M1D, 44M40M1D, 60M00M1D
ERP:	602560W

**LOCATIONS**

Location:	CONUS US & Possessions
Lat/Lon:	0-0-00N 0-0-00W
Station Class	MO
Flight level:	40,000 ft

Location:	COMSIL, Salt Lake City UT
Lat/Lon:	40 46 31 N 111 53 5 W
Station Class:	FX

POINT OF COMMUNICATION: INMARSAT-5 F2 (55W) and INMARSAT F-3 (180E)

STOP BUZZER POINT OF CONTACT:

Stop Buzzer for Operation: Boeing 24 hour NOC hotline: (855) 556-1001 email:

[bcssnoc@boeing.com](mailto:bcssnoc@boeing.com) or Samir Patel cell (310) 227-7178