

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

**The Boeing Company**

**Submitted:** 10/3/2018  
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**JUSTIFICATION:**

**SATCOM System Demonstration**

The Boeing Company is requesting Expedited Treatment for 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. (See attached Expedited Treatment Letter)

Operation Start Date: 10/04/2018

Operation End Date: 04/04/2019

Manufacturer: AN/ASC-24(V)4 - Thinkom Ka2517  
Model: AN/ASC-24(V)4 - Thinkom Ka2517  
Frequencies: 30-31 GHz  
Emissions: 7M60M1D  
ERP: 15849W

Emissions: 6M30M1D  
ERP: 15849W

**I5-F2;F3 -Downlink**

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

**LOCATIONS**

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

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