Technical Description

The Boeing Company

Submitted: 8/22/2018
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JUSTIFICATION:
SATSIM test and setup
The Boeing Company is requesting a Special Temporary Authorization (STA) to support satellite antenna development. Boeing will conduct testing using a Ka Band Satellite simulator. The testing will be conducted at the Boeing Facility Mesa AZ, and at the Florence, AZ R2310 range.

OBJECTIVE & TEST DESCRPTION
The simulator will be used as a test bed to setup and operate satellite earth terminals under realistic operating conditions without the need for an actual satellite. The antenna and simulator will be point in a horizontal position to the ground and at no time be point toward the geostationary arc.

Start Date: 09/04/2018
Stop Date: 03/04/2019

Manufacturer:	**Narda**
Model:	**Ka band Simulator**
Frequencies:	**19.2-21.2 GHz**
	29-31 GHz
Emissions:	**N0N**
ERP:	**06 mW**
Station Class:	**FX**

Manufacturer:	**GetSAT**
Model:	**MicroSAT Antenna System**
Frequencies:	**19.2-21.2 GHz**
	29-31 GHz
Emissions:	**N0N**
ERP:	**1W**
Station Class:	**FX**

Technical Description

Manufacturer: **Datapath**
Model: **CCT-120 Antenna System**
Frequencies: **19.2-21.2 GHz**
29-31 GHz
Emissions: **N0N**
ERP: **1W**
Station Class: **FX**

LOCATIONS:

Location: Florence, AZ
Lat/Lon: 33 4 26 N 111 22 8 W
Station Class   FX

Location: Boeing Facility, Mesa AZ
Lat/Lon: 33-28-19N 111-43-28 W
Station Class   FX

STOP BUZZER POINT OF CONTACT:

Stop Buzzer for Operation: Boeing 24 hour NOC hotline: (855) 556-1001 email: bcssnoc@boeing.com