

**Technical Description**  
**SATCOM Antenna System Test and Development**

**The Boeing Company**

**Submitted:** 08/24/2020

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**JUSTIFICATION:**

SATCOM System Test and Development

The Boeing Company is requesting a FCC Experimental License in lieu of Special Temporary Authorization (STA) WQ9XOC to continue supporting satellite antenna development at Herndon, VA.

**OBJECTIVE & TEST DESCRIPTION**

This requirement supports the development of the MicroAnt 0.45meter Off Set Parabolic (OFP),

The test will be conducted in in the vicinity of Herndon VA. Boeing is requesting to transmit Earth-to-Space, and receive Space-to-Earth to O3B satellite FCC Call Sign S2935.

0.45meter OFP

Frequencies: 28.278.GHz

Emissions: 260M00G7D

ERP: 106 MW

Station Class: FX

**LOCATIONS**

Location: Herndon, VA

Lat/Lon: 38 57 31 N 77 22 33 W

Station Class: FX

**POINT OF COMMUNICATION:** O3B Call Sign S2935

**STOP BUZZER POINT OF CONTACT:**

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

bcssnoc@boeing.com