Technical Description

The Boeing Company

Submitted 3/2/2021
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Frequency Manager
Global Spectrum Management (GSM) MC: 1K-105
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425-237-9168

JUSTIFICATION:

The Boeing Company is requesting a Special Temporary Authorization (STA) to support satellite antenna development. Boeing will conduct testing using Echostar – 9 satellite, GetSAT MicroSAT Ka Antenna system and the AvL Technologies 2.4 meter Ka Antenna System. Testing will be conducted in Bingen, WA, Boardman, OR, Hood River, OR, and Pendleton, OR.

OBJECTIVE & TEST DESCRPTION:

The test requires two downlink frequencies that will be coordinated with Echostar (Echostar-9) call sign, S2179 and two uplink frequencies for the terminals under test.

START DATE: 3/17/2021
STOP DATE: 9/17/2021

TERMINALS:

Manufacture:	AvL Technolgies
Model:	2.4mKa Antenna System
Manufacture:	GetSAT
Model:	Ka MicroSAT Antenna System
Frequencies:	29.803 GHz; 29.808 GHz
Emission:	4M50G7D, 600KG7D
ERP:	6.46MW

LOCATIONS:

Location:	118 East Columbia River Way, Bingen, WA 98605
Lat/Lon	45-42-23N; 121-27-02W, Radius: 5Km
Station Class:	FX
Location:	902 Wasco St., Hood River, OR 97818
Lat/Lon	45-42-41N; 121-31-11W, Radius: 5Km
Station Class:	FX
Location:	Tower Road, Boardman, OR 97818
Lat/Lon	45-44-54N:;119-47-38W
Station Class:	MO/FX; 15000ft AGL, Radius: 50Km

Technical Description

Location: Pendleton, OR 97801
Lat/Lon 45-41-21N; 118-50-32W
Station Class: MO/FX; 15000ft AGL, Radius: 50Km

Point of Communication: Echostar-9

STOP BUZZER POINT OF CONTACT:
Insitu OAC: 509-637-4691