Technical Description (Amended)

4/2/2021

Submitted by Allen S. Lindsay, Sr on behalf of Insitu
The Boeing Company
Frequency Manager
Global Spectrum Management (GSM) MC: 1K-105
P.O. Box 3707, Seattle WA 98124-2207
425-237-9168

JUSTIFICATION:
A Special Temporary Authorization (STA) is being requested to support satellite antenna development using Echostar – 9 satellite with the AvL Technologies 2.4 meter Ka Antenna System. Testing will be conducted fixed ground at Bingen, WA, Hood River, Boardman, 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: 3/29/2021
STOP DATE: 9/292021

TERMINALS:

Manufacture:	AvL Technolgies
Model:	2.4mKa Antenna System
Antenna Specs:	AVL max power input: 12.6W, Antenna gain 55.2 dBi
ERP:	2.57W
Frequencies:	29.8-30 GHz;
Emission:	600K00G7D, 10M00G7D, 20M00G7D

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:	FX, Radius: 5Km

Technical Description (Amended)

Location: Pendleton, OR 97801
Lat/Lon 45-41-21N; 118-50-32W
Station Class: FX, Radius: 5Km

Point of Communication: Echostar-9

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