

The Boeing Company
Global Spectrum Management
P.O. Box 3707 MC: 1K-105
Seattle, WA 98124-2207
206-544-6066 Office

Purpose:

A Special Temporary Authorization is required to support an Army Ecosystem Autonomy Demonstration.

Operation Description:

This request is being submitted to support Command and Control, Telemetry, Video, and Data links for an Unmanned Aircraft.

Table (1) lists the equipment specifications, including frequency band of operation, transmitter output power, emissions, antenna types and gains, as well as maximum ERP.

Purpose	Manufacturer	Model	Frequency (MHz)	Emission	Power ERP (Watts)	Location
C2	Freewave	MM2 Series	902-928	230KF1D	61	Ground Station
ANW2C	Harris	RF-7850A	420-450	1M20D7D	48	Ground
ANW2C	Harris	RF-7850A	420-450	1M20D7D	5	Airborne
Telemetry	Teletronics Technology Corp	TTS-6232	2205.5	4M00F7D	1.22	Airborne
Telemetry	Teletronics Technology Corp	TTS-6232	2216.5	4M00F7D	1.22	Airborne
Telemetry	Teletronics Technology Corp	TTS-6232	2239.5	4M00F7D	1.22	Airborne
Telemetry	Teletronics Technology Corp	TTS-6232	2268.5	4M00F7D	1.22	Airborne
Telemetry	Teletronics Technology Corp	TTS-6232	2282.5	4M00F7D	1.22	Airborne
Video	Cobham	NTS2BU3N100X	2410.75	16M0F3F	1.22	Airborne
Video	Cobham	NTS2BU3N100X	2433.75	16M0F3F	1.22	Airborne
Video	Cobham	NTS2BU3N100X	2452.75	16M0F3F	1.22	Airborne
Video	Cobham	NTS2BU3N100X	2462.75	16M0F3F	1.22	Airborne
Video	Cobham	NTS2BU3N100X	2472.75	16M0F3F	1.22	Airborne
Video	Cobham	NTS2BU3N100X	2486	16M0F3F	1.22	Airborne
Video	Cobham	NTS2BU3N100X	2490	16M0F3F	1.22	Airborne
Video	Cobham	NTS2BU3N100X	2495	16M0F3F	1.22	Airborne

Table 1 – Equipment Data

Table (2) lists the location of operations, as well as the station class of the operation.

City	State	Latitude	Longitude	Radius (KM)	Station Type	Flight Level (ft)
Yuma	AZ	32-59-26 N	114-15-09 W	10	Mobile/Airborne	5000
Ft Huachuca	AZ	31-38-29 N	110-16-50 W	10	Mobile/Airborne	10,000

Table 2 – Location Data

Start Date: October 21, 2019

Stop Date: April 20, 2020

Stop Buzzer POC: Stop Buzzer for this operation is Benjamin Wasilowski at 206-240-3497.