

The Boeing Company
 Global Spectrum Management
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Purpose:

A Special Temporary Authorization is required to support an Army Ecosystem Autonomy Demonstration. This request consolidates and replaces authorizations previously approved under FCC Call Signs WP9XFR and WP9XMO.

Operation Description:

This request is being submitted to support Command and Control, Telemetry, and Data links for an Unmanned Aircraft. Airborne flights at Yuma Proving Grounds will be conducted in restricted airspace.

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
C2	Freewave	MM2-M13	1370-1390	230KF1D	255	Ground Station
C2	Freewave	MM2-M13	1370-1390	230KF1D	3.85	Airborne
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

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	33-19-51 N	114-19-55 W	10	Mobile/Airborne	10,000
Smartt Field, St. Charles	MO	38-55-37 N	90-25-54 W	5	Mobile/Airborne	Ground Test
Boeing Facility, St Charles	MO	38-18-26 N	90-28-18 W	5	Mobile/Airborne	Ground Test

Table 2 – Location Data

Start Date: June 15, 2020

Stop Date: December 15, 2020

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