

## Technical Description

This experimental license application is being submitted in lieu of a STA extension for FCC Call Sign WN9XGR and File Number 1557-EX-ST-2018.

### Ground C2 Equipment

Frequency Band: 2300 – 2320 MHz  
2345 - 2360 MHz  
2390 - 2500 MHz  
Emissions: 11M0D1D and 22M0D1D  
Total Output Power: 136.5 Watts ERP

### Airborne Payload Equipment

Frequency Band: 925-960 MHz  
Emissions: 35M0D1D  
Total Output Power: 3.9 Watts ERP

Frequency Band: 1710-1880 MHz  
Emissions: 75M0D1D  
Total Output Power: 4.85 Watts ERP

Frequency Band: 2300 – 2320 MHz  
2345 - 2360 MHz  
2390 - 2500 MHz  
Emissions: 11M0D1D and 22M0D1D  
Total Output Power: 7.7 Watts ERP

### Stop Buzzer

Stop buzzer for this operation is Insitu the Operations Action Center at 866-637-4691.

### Fixed Ground Location

Boardman Bombing Range  
Boardman, OR  
45-44-54N 119-47-38W  
Fixed ground operations within 5 kilometer radius

### Mobile Airborne Location

Boardman Bombing Range  
Boardman, OR  
45-44-54N 119-47-38W  
Maximum Flight Level is 8000 feet  
Airborne mobile operations within a 20 kilometer radius

### Fixed Ground Location for Operational Checks and Testing

Bingen, WA45-42-24N 121-27-30W  
Indoors Ground Only