

## Technical Description

### Purpose

The purpose of this application is to support temporary a temporary DoD test and demonstration.

### Operation Description

Perform ground and airborne testing of developmental multi-band, multi-function payload in support of ISR requirements for overseas deployable payload units.

### Schedule

Start Date: September 16, 2016  
Stop Date December 16, 2016  
One week within above timeframe

### Ground C2 Equipment

Manufacturer: Persistent Systems  
Model: WR-BRD2-03 Wave Relay  
Frequency Band: 2300 – 2320 MHz  
2345 - 2360 MHz  
2390 - 2500 MHz  
Emissions: 11M0D1D and 22M0D1D  
TX Output Power: 0.7 Watts  
Antenna Gain: 26.5 dBi  
Total Output Power: 170 Watts ERP

### Airborne Payload Equipment

Manufacturer: Experimental  
Model: Experimental  
Frequency Band: 925-960 MHz  
Emissions: 35M0D1D  
TX Output Power: 3.2 Watt  
Antenna Gain: 5 dBi  
Total Output Power: 12.1 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 4000 feet  
Airborne mobile operations within a 20 kilometer radius

### Fixed Ground Location for Operational Checks and Testing

Bingen, WA  
45-42-24N 121-27-30W  
Indoors Ground Only