

Why an Experimental License is Necessary:

The purpose of this application is to support temporary integration testing in preparation of a DoD sponsored exercise.

Operation Description:

Wave Relay is a Mobile Ad Hoc Networking System (MANET) designed to maintain connectivity on the move. It is a scalable, peer-to-peer network which provides data, video, and voice.

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

Frequency Data	
Transmit	2400-2482 MHz
Transmitter Data	
Transmitter Model	WR-BRD3-12-F MPU4-12
Transmitter Manufacturer	Persistent Systems
Transmitter Power Output	10.3 Watts WR-AMP-2400 Amp
Antenna Data	
Antenna Gain	4 dBi Gain Dipole Omni Persistent Systems WR-ANT-059 Persistent Systems ANT-2012
Power ERP	15.5 Watts
Emission Data	
Emissions	3M85G1D 7M7G1D 15M4G1D 32M5D1D

Table 1 – Equipment Data

Table (2) lists the locations/areas of operations, as well as the station class of the operation.

City	State	Latitude	Longitude	Radius (KM)	Station Type
Sunnyvale	CA	37-24-38N	122-00-15W	1	Fixed
Waters West of Kona coast near Kawaihae Harbor	HI	20-01-33N	155-55-02W	25	Fixed/Mobile

Table 2 – Location Data

Operation Period:

This testing will occur over a two year period beginning in February 2017.

Stop Buzzer POC:

The “Stop Buzzer” point of contact is:

John Brennan

Office: 408-636-4273