

**Why an STA License is Necessary**

A Special Temporary Authority (STA) is required to support temporary communication link testing and propagation effects characterization

**Purpose of Operation**

The purpose of this license is to support system development, testing and demonstrations.

**Required Dates:** 07/01/2016 to 01/01/2017

**Transmitter Information:****Location 1:**

- Site Location: Oahu, HI
- Lat/Long: 21-42-18 N 157-59-55 W (21.705184 N 157.998650 W)
- Coordinates: within 10 km of above lat/long
- Tuning range: 37.5-43.5 GHz Cassegrain
- Tuning range: 47-53 GHz Horn
- Maximum effective radiated power (ERP): 400 Watts for horn,
- Maximum effective radiated power (ERP): 24,275 Watts ERP for Cassegrain
  - o (39,810 Watts EIRP) (1 watt amp + 46 dB gain)
- Emissions: 5G0D7W and N0N (CW) test tones

**Location 2:**

- Site Location: Koolauloa, Hauula, HI
- Lat/Long: 21-39-47 N 157-59-07 W (21.663245 N 157.985501 W)
- Coordinates: within 10 km of above lat/long
- Tuning range: 37.5-43.5 GHz Cassegrain
- Tuning range: 47-53 GHz Horn
- Maximum effective radiated power (ERP): 400 Watts
- Maximum effective radiated power (ERP): 24,275 Watts ERP for Cassegrain
  - o (39,810 Watts EIRP) (1 watt amp + 46 dB gain)
- Emissions: 5G0D7W and N0N (CW) test tones

**Stop Buzzer Contact Information**

The "Stop Buzzer" point of contact is Gary Stuck at 480-544-4275.