

Why an STA License is Necessary

A Special Temporary Authority (STA) is required to support temporary communication link testing.

Purpose of Operation

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

Required Dates: 04/20/2016 to 10/20/2016

Transmitter Technical Information:**Location 1 (Lick Observatory Mt. Hamilton):**

- Site location: 37-20-29 N, 121-38-34 W. Altitude: Ground to 10 feet
- Coordinates: within 4 Kilometers of 37-20-29 N, 121-38-34 W
- Transmit line of bearing: 255 – 285 degrees
- Manufacturer: Boeing experimental
- Tuning range: 13.8 - 14.1 GHz
- Antenna type: Boeing manufactured phased array
- Antenna gain (max): +29dBi
- Maximum effective radiated power (ERP): 19,300 Watts
- Emissions: 160MG2W

Location 2:

- Site location: 37-22-14 N, 122-02-59 W. Altitude: Ground to 50 feet.
- Coordinates: mobile within 5 miles of site location
- Manufacturer: Boeing experimental
- Tuning range: 13.8 – 14.1 GHz
- Antenna type: Boeing manufactured omni-directional
- Antenna gain (max): +0dBi
- Maximum effective radiated power (ERP): 5 Watts
- Emissions: 160MG2W

Location 3 (Sunnyvale):

- Site location: 37-22-19 N, 121-59-08 W. Altitude: Ground to 100 feet.
- Coordinates: fixed at site location
- Transmit line of bearing: 85 – 105 degrees
- Manufacturer: Boeing experimental
- Tuning range: 13.8 – 14.1 GHz
- Antenna type: Boeing manufactured phased array
- Antenna gain (max): +26dBi
- Maximum effective radiated power (ERP): 2,259 Watts
- Emissions: 160MG2W

Stop Buzzer Contact Information

The “Stop Buzzer” point of contact is Dave Bryant at 206-852-1353.