

## Test Description

**Submitted By:**

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**Purpose:**

The purpose of this application is to obtain an Experimental License to perform system testing on a new satellite system currently under development. The New License is needed to perform Payload Module and S/C level testing in the El Segundo Facility, Bldg. S25 and Bldg. S3 (Satellite Development Center) inside shielded and anechoic chambers.

**Frequencies:**

| Frequency Band (GHz) | Max Output Power (W) | Antenna Gain (dB) | EIRP (dBW)     | Emissions |
|----------------------|----------------------|-------------------|----------------|-----------|
| 13.758-13.992        | 40                   | 15                | 31.0           | NON       |
| 14.401-14.486        | 40                   | 15                | 31.0           | NON       |
| 14.505-14.798        | 40                   | 15                | 31.0           | NON       |
| 13.753               | 40                   | 15                | 31.0           | NON       |
| 13.998               | 40                   | 15                | 31.0           | NON       |
| 14.496               | 40                   | 15                | 31.0           | NON       |
| 17.314-17.548        | 40                   | 15                | 31.0           | NON       |
| 12.701-12.738        | N/A                  | N/A               | 501.19 kW EIRP | NON       |
| 28-30                | 40                   | 15                | 31.0           | NON       |

**Stop Buzzer Contact Information:**

Kourken (Ken) Hamalian  
310-662-6490 (Office)  
310-529-8102 (Cell)

**Location:**

Boeing Facility, El Segundo, CA  
Inside Satellite Test Building S03A and S25  
Coordinates:  
S03A: 33-55-45 N 118-23-17 W NAD83  
S25: 33-55-42.7N 118-23-19.6 W NAD83