

Submitted by Joel Thorsheim  
 The Boeing Company  
 Frequency Management Services  
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**Purpose:**

The purpose of the operation is development and testing of UWB radio equipment.

**Operation Description:**

To support Ultra Wideband (UWB) real-time location system (RLTS) operations on an aerial package delivery system. This system will be used within Boeing controlled property.

Tables 1 lists the equipment specifications, including frequency band of operation, transmitter output power, emissions, antenna types and gains, as well as maximum ERP. Table 2 lists the location being requested.

<b>Frequency Data</b>	
Transmit Frequency Band	6240 – 6739.2 MHz 6489.6 MHz (UWB Channel 5 Center Frequency)
<b>Transmitter Data</b>	
Transmitter Model	DWM1000 Ultra Wideband Transceiver
Transmitter Manufacturer	decaWave
Power Output ERP	45.19 nano-watts
<b>Emission Data</b>	
Emission Designator	500MP1D

**Table 1 – Ground Equipment Data**

<b>City</b>	<b>State</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Radius</b>
Renton	WA	47-29-50 N	122-12-35 W	1 Kilometer

**Table 2 – Location Data**

**Stop Buzzer POC:**

Stop Buzzer for this operation will be Bryan Bozeman at 425-239-8932.