

Submitted by Joel Thorsheim
 The Boeing Company
 Frequency Management Services
 P.O. Box 3707 MC: 1K-105
 Seattle, WA 98124-2207
 206-544-6066 Office

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.

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

Table 1 – Ground Equipment Data

City	State	Latitude	Longitude	Radius
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.