

Technical Description

Submitted by Joel Thorsheim on behalf of Insitu
The Boeing Company
Frequency Management Services
P.O. Box 3707 MC: 2T-22
Seattle, WA 98124-2207
206-544-6066 Office
206-662-0701 Fax

Frequency Band:	902-928 MHz
Channels/Spacing:	Frequency hopping; 50 to 112 center frequencies, user selectable, 112 channels in 230.4 KHz increments starting with 902.2464 MHz
Emission:	230KF1D
Transmit Output:	1 Watt
Output Power:	61 Watts ERP
Frequency Band:	902-928 MHz.
Channel Spacing:	Frequency hopping; 50 to 112 center frequencies, user selectable, 112 channels in 230.4 KHz increments starting with 902.2464 MHz
Emissions:	230KF1D
Transmit Output:	1 Watt
Output Power:	1 Watt ERP
Frequency Band:	1370-1390 MHz
Channels/Spacing:	Frequency hops
Emission:	230KF1D
Transmit Output:	1 Watt
Output Power:	1 Watt
Frequency Band:	1370-1390 MHz
Channels/Spacing:	Frequency hops on
Emission:	230KF1D
Transmit Output:	5 Watt
Output Power:	608 Watts ERP
Frequencies:	2312.5, 2347.5, 2352.5, 2357.5, 2364.5, 2370.5, 2382.5, 2387.5, 2411, 2434, 2453, 2463, 2473, 2486, and 2490 MHz
Emissions:	18M0F9W and 16M0F3F
Transmit Output:	2 Watts
Output Power:	2 Watts ERP
Frequencies:	1755 – 1850 MHz
Frequencies:	2200 – 2290 MHz
Frequencies:	2310 – 2390 MHz
Emissions:	18M5F9W, 9M58G1D, 4M79G1D, and 2M40G1D
Transmit Output:	2 Watts
Output Power:	2 Watts
Frequencies:	1755 – 1850 MHz
Frequencies:	2200 – 2290 MHz
Frequencies:	2310 – 2390 MHz
Emissions:	18M5F9W, 9M58G1D, 4M79G1D, and 2M40G1D
Transmit Output:	2 Watts
Output Power:	1220 Watts

Stop Buzzer

The designated point-of-contact to terminate transmissions if interference occurs is the Operations Center at (866) 637-4691.

Schedule

Actual date and time of operation depends primarily on weather conditions and equipment availability. A 24 month period from date of approval is requested.

Location

Florence, AZ (Fixed Ground Station)

33-04-29 N 111-22-13W

Fixed operations within a 1 kilometer radius of above lat/long

Restricted Area R-2310A/B/C, AZ (Bounded area mobile airborne operations)

Start 33-03-40 N 111-22-42 W

33-04-45 N 111-19-32 W

33-14-07 N 111-14-54 W

33-14-07 N 111-17-46 W

33-09-41 N 111-21-17 W

Return 33-03-40 N 111-22-42 W

Flight level will be up to and 20,000 ft. as permitted per restricted area rules.

