

Technical Description

The Boeing Company

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Submitted by

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The Boeing Company

Global Spectrum Management MC: 2T-22

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JUSTIFICATION:

This license supports development of high performance heating equipment for use in manufacturing and maintenance.

These frequencies are requested in lieu of FCC STA WP9XHU to support the development of induction heating devices used to heat composite materials. The frequency and power levels are necessary for rapid and uniform heating. This induction heating technique is an improvement over resistive heating that will enable lower energy manufacturing methods. In addition to adding capability, other benefits include increased part quality, less material waste and greatly reduced flow time.

OBJECTIVE & TEST DESCRIPTION

This requirement supports integration and testing of high performance heating equipment in the 40-56 building in Everett, WA, 4-81 building in Renton, WA, and the 9-140 building in Seattle WA.

OPERATION OVERVIEW

Manufacturer:	The Boeing Company
Model:	The Boeing Company
Frequencies:	200-450 Khz
Emissions:	N0N
Effective Radiated Output:	6.3 nanoWatt
Field strength at 1000m:	-5.0 dBuV/m
Station Class:	FX

STOP BUZZER POINT OF CONTACT:

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LOCATIONS

Location: (Building 4-81) Renton, WA
Latitude: 47 30' 02"N
Longitude: 122 12' 26 W
NAD83
Radius: 1 Kilometer

Location: (Building 40-56) Everett, WA
Latitude: 47 55' 46"N
Longitude: 122 16' 33" W
NAD83
Radius: 1 Kilometer

Location: (Building 9-140) Seattle, WA
Latitude: 47 30' 46" N
Longitude: 122 17' 55" W
NAD83
Radius: 1 Kilometer