

Applicant: Oshkosh Corporation
File Number: 0876-EX-ST-2015
Correspondence Reference Number: 29664
Date of Original Email: 10/06/2015

Oshkosh is requesting the use of frequencies to integrate the C3 equipment on Vehicles being built to Support Land 998. These vehicles will be used in Countries outside the United States by Soldiers and Government personnel.

Test will consist of Electrical power interface with vehicle, Exposure to crew members, RADHAZ levels, and Proper location of antennas.

The majority of testing will be conducted on one vehicle. Testing on all other vehicles will consist of function and power. (PTT, Radio Check).

Test time submitted in previous application is for all equipment to be installed. It will consist of two twelve hour periods to begin on October 8, 2015 through February 8, 2015.

Discrete Frequency requested 122.0000 MHz VHF AM (6K00A3E) Emission Designator 1M20G1D

This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

System	Frequency	Power	OEM Specifications	Comparable system	Radiation hazard radius
ICOM IC-110	118 to 136.975 MHz	36 W PEP	36 cm General Public requirements only	AN/VRC 114(v)	36cm

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VHF AIR BAND TRANSCEIVER

IC-A110



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General

			IC-A110
Frequency range	Tx:		118.000–136.975 MHz
	Rx:		118.000–136.975 MHz
Number of memory channels			99ch
Channel spacing			25 k Hz 25 k Hz/8.33kHz
Power supply requirements			13.75V or 27.5V DC (automatic selection)
Current drain	Tx		5.0A Max.
	Rx	Stand-by	500mA
		Max. audio	4.0A
Dimensions (W×H×D) (Projections are not included)			150×50×180 mm 5.91×1.97×7.09 in
Weight			1.5kg; 3.3lb
Operating temperature range			-30°C to +60°C
Frequency stability			±5ppm

Transmitter

	IC-A110
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RF output power	36/9W typ. (PEP/Carrier)
Microphone impedance	600Ω

Receiver

	IC-A110
Sensitivity	1μV (6dB S/N)
Selectivity	25kHz spacing ±8kHz/-6dB ±25kHz/-60dB 8.33kHz spacing ±2.778kHz/-6dB ±7.37kHz/-60dB
Spurious response rejection	74dBμ
Audio output power (at 10% distortion)	10W typ. with an 8Ω load 100mW typ. with a 500Ω load

Applicable U.S. Military Specifications

Icom makes rugged products that have been tested to and passed the following MIL-STD requirements and strict environmental standards.

Standard	MIL-810 E Method, Proc.
Low Pressure Storage	500.3 I
Low Pressure Operation	500.3 II
High Temperature Storage	501.3 I
High Temperature Operation	501.3 II
Low Temperature Storage	502.3 I
Low Temperature Operation	502.3 II
Temperature Shock	503.3 I
Solar Radiation	505.3 I
Rain Blowing	506.3 I
Rain Drip	506.3 II
Humidity	507.3 II, III
Salt Fog	509.3
Dust Blowing	510.3 I
Vibration	514.4 I
Shock Functional	516.4 I
Shock Transit Drop	516.4 IV

Also meets equivalent MIL STD 810 -C and -D.

All stated specifications are subject to change without notice or obligation.

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