

Technical Description

The Boeing Company

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by

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JUSTIFICATION:

To perform ground testing for developmental hardware and software changes, equipment check out, and research, development and testing initiatives.

These frequencies are requested to support Argon ST, a wholly owned subsidiary of The Boeing Company, FreeWave MM2 series radio production and testing. This product is being developed to meet the rigorous demands of military, government, and commercial user's world wide.

The FreeWave MM2 series of radios is a small form factor high performance radio used in applications ranging from unmanned aerial vehicles (UAVs) to unmanned ground vehicles (UGVs), and more

OBJECTIVE & TEST DESCRIPTION

The objective of this requirement is to develop and test the FreeWave MM2 series radio on multiple unmanned air and ground vehicles. These tests will include ground operational checks, integration testing, and flight testing.

TEST OVERVIEW

Manufacturer:	FreeWave
Model:	MM2 -TTL 900

Frequency Band:	902-928 MHz
1)Quantity:	Request 2 frequencies in the 902-928 MHz band
Emissions:	1 Lo, 1 High 230KF1D
Transmit Output Power:	1.5 Watts
Antenna Gain:	3 dBi

Frequency Band:	902-928 Mhz
1) Quantity	FHSS, Request Frequency Hopping from 902-928 MHz
Emissions:	230KF1D
Transmit Output Power:	1.5 Watts
Antenna Gain:	3 dBi
Station Class:	MO

SYSTEM DESCRIPTION

The FreeWave MM2 series of radios is a small form factor high performance radio used in applications ranging from unmanned aerial vehicles (UAVs) to unmanned ground vehicles (UGVs), and more.

“STOP BUZZER” POINT OF CONTACT:

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LOCATION

Location:	MCAS Miramar
Latitude:	32-52-09 N
Longitude:	117-08-37 W
	NAD83
Radius:	10 Kilometers