

TECHNICAL DESCRIPTION

Public Viewable

The Boeing Company
Frequency Management Services

Submitted 4/10/17

By

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PURPOSE

The purpose of this new STA application is to support testing at McMillan Airfield located in Camp Roberts, California, of Freewave and Cobham Ground/Fixed and Mobile equipment. This testing will NOT be associated with any jamming activity.

REASON FOR APPLICATION

Boeing is requesting a new Special Temporary Authority (STA) to support ground testing of a UAS system for potential customers. Testing to be conducted at the following location:

LOCATION

MOBILE: Up to 5000 feet above ground level, Camp Roberts, CA, within 8 km, centered around NL 35-43-3.6, WL 120-46-0.5.

The 5,000 foot flight level is required to fly in the R-2504A Restricted Airspace.

#	Location	County	Latitude	Longitude	Radius of Operation	Flight Level
(1)	Camp Roberts, CA	San Luis Obispo	35-43-3.6-N	120-46-0.5-W	8 km	MOBILE: Up to 5000 ft. AGL

EQUIPMENT LIST

Manufacturer	Model	Mobile Ant	TX Power	Frequency (MHz)
Cobham	NTS2BU3N100X	Dipole	2 Watt	2300-2310 2355-2482
Freewave	MM2-T	Dipole	1 Watt	902-928
Freewave	MM2-MR-R	Dipole	2 Watt	902-928

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FREQUENCIES

Purpose	MHz	Emission	RF Power (ERP)	RF Unit	Mode
V	2300-2310	16M0F3F	2 W	ERP	MOBILE
V	2355-2482	16M0F3F	2 W	ERP	MOBILE
C2	902-928	230KF1D	2 W	ERP	MOBILE

DATES OF OPERATION

from May 15, for a 6 month duration.

STOP BUZZER CONTACT INFORMATION

The designated point-of-contacts to terminate transmissions if interference should occur are:

Thomas D. Rice at (314) 323-7394; Christopher M. Eisele, at (509) 637-5310; Peter A. Drain at (314) 705-9332; (or) Jeffrey J. Kraus at (314) 941-2968.