

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WE9XWK

(Call Sign)

XT FX MO

(Class of Station)

0528-EX-ST-2011

(File Number)

NAME L-3 Communications, Communication Systems - West

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Test newly-developed equipment and waveforms in full-duplex air-to-ground and air-to-air wideband data links

Station Locations

- (1) Hollister (SAN BENITO), CA - NL 36-53-12; WL 121-24-30
- (2) MOBILE: Antenna will be mounted on a test aircraft that will operate at 10,000 - 25,000 ft MSL, within 25 km radius of specified point approximately 5.7 km NE of Monterey, California. See attached exhibit., within 25 km, centered around NL 36-38-35; WL 121-51-29
- (3) MOBILE: Antenna will be mounted on a test aircraft that will operate at 10,000 - 25,000 ft MSL, within 75 km radius of Hollister, California. See attached exhibit., within 75 km, centered around NL 36-53-12; WL 121-24-30
- (4) MOBILE: Antenna will be mounted on a test aircraft that will operate at 10,000 - 25,000 ft MSL, within 25 km radius of specified point approximately 121 km west of Monterey, California. See attached exhibit., within 25 km, centered around NL 36-35-49; WL 123-15-13
- (5) MOBILE: Antenna will be mounted on a test aircraft that will operate at 10,000 - 25,000 ft MSL, within 45 km radius of specified point approximately 128 km southwest of Monterey, California. See attached exhibit., within 45 km, centered around NL 35-38-00; WL 122-39-00

This authorization effective October 01, 2011 and
will expire 3:00 A.M. EST March 02, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Hollister (SAN BENITO), CA - NL 36-53-12; WL 121-24-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.5-14.83 GHz	FX	46M8G1D 93M6G1D 154MG1D 182MG1D	12.6 kW (ERP)	
15.15-15.35 GHz	FX	46M8G1D 93M6G1D 154MG1D 182MG1D	12.6 kW (ERP)	

MOBILE: Antenna will be mounted on a test aircraft that will operate at 10,000 - 25,000 ft MSL, within 25 km radius of specified point approximately 5.7 km NE of Monterey, California. See attached exhibit., within 25 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.5-14.83 GHz	MO	46M8G1D 93M6G1D 154MG1D 182MG1D	12.6 kW (ERP)	
15.15-15.35 GHz	MO	46M8G1D 93M6G1D 154MG1D 182MG1D	12.6 kW (ERP)	

Frequency Information

MOBILE: Antenna will be mounted on a test aircraft that will operate at 10,000 - 25,000 ft MSL, within 75 km radius of Hollister, California. See attached exhibit., within 75 km, centered around NL 36-53-12; WL 121-24-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.5-14.83 GHz	MO	46M8G1D 93M6G1D 154MG1D 182MG1D	12.6 kW (ERP)	
15.15-15.35 GHz	MO	46M8G1D 93M6G1D 154MG1D 182MG1D	12.6 kW (ERP)	

MOBILE: Antenna will be mounted on a test aircraft that will operate at 10,000 - 25,000 ft MSL, within 25 km radius of specified point approximately 121 km west of Monterey, California. See attached exhibit., within 25 km, centered around NL 36-53-12; WL 121-24-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.5-14.83 GHz	MO	46M8G1D 93M6G1D 154MG1D 182MG1D	12.6 kW (ERP)	
15.15-15.35 GHz	MO	46M8G1D 93M6G1D 154MG1D 182MG1D	12.6 kW (ERP)	

Frequency Information

MOBILE: Antenna will be mounted on a test aircraft that will operate at 10,000 - 25,000 ft MSL, within 45 km radius of specified point approximately 128 km southwest of Monterey, California. See attached exhibit., within 45 km, centered

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.5-14.83 GHz	MO	46M8G1D 93M6G1D 154MG1D 182MG1D	12.6 kW (ERP)	
15.15-15.35 GHz	MO	46M8G1D 93M6G1D 154MG1D 182MG1D	12.6 kW (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) L3 Communications must coordinate with the Western Area Frequency Coordinator (WAFC), Mr. J. Szelog, (760) 939-6948 prior to the operation of the system and abide by any restrictions and scheduling that may be levied.
- (3) Mobile operations need to be done in the primary Mobile allocation band and the Fixed operations need to be done in the primary Fixed allocation band.
- (4) Future use of this system will require compliance with the allocation table or radio spectrum will not be available in many areas.