

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

EXPERIMENTAL

(Nature of Service)

WE9XHI

(Call Sign)

XD MO

(Class of Station)

0110-EX-ST-2010

(File Number)

NAME TV Microwaves Company

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:

The purpose of this STA is to permit the testing of video transmitters aboard a non-government rocket at elevations up to 100,000 feet, above Tillamook, Oregon (the receive site).

Station Locations

- (1) MOBILE: aboard rocket at elevations up to 100,000 feet above Tillamook, OR, within 50 km, centered around NL 45-25-09; WL 123-48-45

Frequency Information

MOBILE: aboard rocket at elevations up to 100,000 feet above Tillamook, OR, within 50 km, centered around NL 45-25-09; WL 123-48-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
450.65-450.68 MHz	MO	12K5F3E	5 W (ERP)	
455.65-455.68 MHz	MO	12K5F3E	5 W (ERP)	
2363-2371 MHz	MO	8M00D7W	10 W (ERP)	

This authorization effective March 15, 2010 and
will expire 3:00 A.M. EST March 31, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: aboard rocket at elevations up to 100,000 feet above Tillamook, OR, within 50 km, centered around NL 45-25-09; WL 123-48-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2380-2384 MHz	MO	8M00D7W	10 W (ERP)	
2450-2483.5 MHz	MO	8M00D7W	10 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.
- (4) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (5) Licensee should coordiante with Mr. Tom Fisher from Boeing (24 Hours) prior to each operation and provide test time and details.
- (6) Operation is subject to prior coordination with Fixed Services licensees in the immediate area of the experiment.