

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

EXPERIMENTAL

(Nature of Service)

WG9XKU

(Call Sign)

XT MO

(Class of Station)

0278-EX-ST-2013

(File Number)

NAME Microsoft Corp.

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:

To evaluate the product performance and determine consumer acceptability of a prototype unintentional radiator consumer electronic device.

Station Locations

- (1) MOBILE: Redmond [KING], WA, within 120.7 km, centered around NL 47-38-25; WL 122-07-47

Frequency Information

MOBILE: Redmond [KING], WA, within 120.7 km, centered around NL 47-38-25; WL 122-07-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
239.58 MHz	MO	2M40FXN	1.045 uW (ERP)	
317.39 MHz	MO	3M17FXN	0.108 uW (ERP)	
480.11 MHz	MO	4M80FXN	0.411 uW (ERP)	

This authorization effective April 17, 2013 and
will expire 3:00 A.M. EST June 02, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**

Frequency Information

MOBILE: Redmond [KING], WA, within 120.7 km, centered around NL 47-38-25; WL 122-07-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
555.82 MHz	MO	5M56FXN	0.173 uW (ERP)	
599.37 MHz	MO	5M99FXN	1.39 uW (ERP)	
713.58 MHz	MO	7M14FXN	2.344 uW (ERP)	
841.98 MHz	MO	8M42FXN	3.062 uW (ERP)	
948.46 MHz	MO	9M48FXN	4.305 uW (ERP)	
1435.184 MHz	MO	14M4FXN	5.152 uW (ERP)	
1440.4 MHz	MO	14M4FXN	28.973 uW (ERP)	
1542.44 MHz	MO	15M4FXN	46.345 uW (ERP)	
1795.26 MHz	MO	18M0FXN	41.687 uW (ERP)	
1799.677 MHz	MO	18M0FXN	10.789 uW (ERP)	

Frequency Information

MOBILE: Redmond [KING], WA, within 120.7 km, centered around NL 47-38-25; WL 122-07-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1898.498 MHz	MO	19M0FXN	18.155 uW (ERP)	
1899.8 MHz	MO	19M0FXN	27.733 uW (ERP)	

Special Conditions:

- (1) Microsoft Corp shall prior coordinate with incumbent Fixed Microwave licensees on 1898.498 MHz, and 1899.80 MHz prior to operation.
- (2) Microsoft Corp. shall prior coordinate with the local Society of Broadcast Engineers (SBE) coordinator on 480.11 MHz, 555.82 MHz, 599.37 MHz, 713.98 MHz and 948.46 MHz .
- (3) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Leonardo Del Castillo at (425) 703-4960.
- (4) All of the experimental devices will be under control of Microsoft Corp and Microsoft Corp will maintain and manage a process or system that tracks the assignment of each device, its purpose of use, and will ensure that devices are recoverable from end users. Within 60 days upon completion of experiment or cancellation of license Microsoft will recover all devices and provide a report to the FCC to this effect.
- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (6) Under this authorization, the total number of experimental devices shall not exceed 1000.
- (7) Microsoft will be responsible for ensuring that the devices are used in authorized locations and in a manner authorized.
- (8) Microsoft employees will be allowed to test the devices solely in their own homes, and they will be required to sign a certification acknowledging an understanding of these use restrictions.
- (9) Microsoft will ensure that the devices are used in households with no potential for electromagnetic interference to other household devices, particularly to other devices in adjoining households.
- (10) Microsoft 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.

Special Conditions:

- (11) Each unit will be labeled with the following legend: "For evaluation only; not FCC-approved for sale, marketing or other distribution to the general public. Operation is subject to the conditions that this product not cause harmful interference to other services and that this product accept harmful interference."
- (12) Microsoft Corp must notch out the following:
 - a. 1068.88 MHz
 - b. 1069.294 MHz
 - c. 1361.44 MHz
 - d. 1363.18 MHz
 - e. 1551.62 MHz
 - f. The Federal Aviation Administration (FAA) cannot support the wide area multiuser operations in these bands.