

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WG2XPS

(Call Sign)

0202-EX-PL-2013

(File Number)

NAME Oceus Networks

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(d f) of the Commission's Rules

Station Locations

- (1) MOBILE: Aberdeen Proving Grounds, within 10 km, centered around NL 39-28-17; WL 76-07-48
- (2) MOBILE: White Sands Missile Range loc 1, within 10 km, centered around NL 32-26-23; WL 106-15-04
- (3) MOBILE: White Sands Missile Range loc 2, within 10 km, centered around NL 32-24-05; WL 106-26-53
- (4) MOBILE: White Sands Missile Range loc 3, within 20 km, centered around NL 33-31-40; WL 106-27-07
- (5) MOBILE: White Sands Missile Range loc 4, within 20 km, centered around NL 33-19-17; WL 106-24-39
- (6) MOBILE: White Sands Missile Range loc 5, within 20 km, centered around NL 33-01-38; WL 106-21-21

Frequency Information

MOBILE: Aberdeen Proving Grounds, within 10 km, centered around NL 39-28-17; WL 76-07-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
698.00000000-716.00000000 MHz	MO	10M0W7W	1.000000 W (ERP)	

This authorization effective April 19, 2013 and
will expire 3:00 A.M. EST May 01, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**

Frequency Information

MOBILE: Aberdeen Proving Grounds, within 10 km, centered around NL 39-28-17; WL 76-07-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
728.00000000-746.00000000 MHz	MO	10M0W7W	4000.000000 W (ERP)	
746.00000000-756.00000000 MHz	MO	10M0W7W 10M0W7W	1000.000000 W (ERP)	
777.00000000-787.00000000 MHz	MO	10M0W7W	1.000000 W (ERP)	
1710.00000000-1755.00000000 MHz	MO	20M0W7W	1.000000 W (ERP)	
1850.00000000-1910.00000000 MHz	MO	20M0W7W	1.000000 W (ERP)	
1920.00000000-1980.00000000 MHz	MO	5M00G7W	1.000000 W (ERP)	
1930.00000000-1990.00000000 MHz	MO	20M0W7W	4000.000000 W (ERP)	
2110.00000000-2155.00000000 MHz	MO	20M0W7W	4000.000000 W (ERP)	
2110.00000000-2170.00000000 MHz	MO	5M00G7W	4000.000000 W (ERP)	

Frequency Information

MOBILE: White Sands Missile Range loc 1, within 10 km, centered around NL 32-26-23; WL 106-15-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
698.00000000-716.00000000 MHz	MO	10M0W7W	1.000000 W (ERP)	
728.00000000-746.00000000 MHz	MO	10M0W7W	4000.000000 W (ERP)	
746.00000000-756.00000000 MHz	MO	10M0W7W	1000.000000 W (ERP)	
777.00000000-787.00000000 MHz	MO	10M0W7W	1.000000 W (ERP)	
1710.00000000-1755.00000000 MHz	MO	20M0W7W	1.000000 W (ERP)	
1850.00000000-1910.00000000 MHz	MO	20M0W7W	1.000000 W (ERP)	
1920.00000000-1980.00000000 MHz	MO	5M00G7W	1.000000 W (ERP)	
1930.00000000-1990.00000000 MHz	MO	20M0W7W	4000.000000 W (ERP)	
2110.00000000-2155.00000000 MHz	MO	20M0W7W	4000.000000 W (ERP)	
2110.00000000-2170.00000000 MHz	MO	5M00G7W	4000.000000 W (ERP)	

Frequency Information

MOBILE: White Sands Missile Range loc 2, within 10 km, centered around NL 32-24-05; WL 106-26-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
698.00000000-716.00000000 MHz	MO	10M0W7W	1.000000 W (ERP)	
728.00000000-746.00000000 MHz	MO	10M0W7W	4000.000000 W (ERP)	
746.00000000-756.00000000 MHz	MO	10M0W7W	1000.000000 W (ERP)	
777.00000000-787.00000000 MHz	MO	10M0W7W	1.000000 W (ERP)	
1710.00000000-1755.00000000 MHz	MO	20M0W7W	1.000000 W (ERP)	
1850.00000000-1910.00000000 MHz	MO	20M0W7W	1.000000 W (ERP)	
1920.00000000-1980.00000000 MHz	MO	5M00G7W	1.000000 W (ERP)	
1930.00000000-1990.00000000 MHz	MO	20M0W7W	4000.000000 W (ERP)	
2110.00000000-2155.00000000 MHz	MO	20M0W7W	4000.000000 W (ERP)	
2110.00000000-2170.00000000 MHz	MO	5M00G7W	4000.000000 W (ERP)	

Frequency Information

MOBILE: White Sands Missile Range loc 3, within 20 km, centered around NL 33-31-40; WL 106-27-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
698.00000000-716.00000000 MHz	MO	10M0W7W	1.000000 W (ERP)	
728.00000000-746.00000000 MHz	MO	10M0W7W	4000.000000 W (ERP)	
746.00000000-756.00000000 MHz	MO	10M0W7W	1000.000000 W (ERP)	
777.00000000-787.00000000 MHz	MO	10M0W7W	1.000000 W (ERP)	
1710.00000000-1755.00000000 MHz	MO	20M0W7W	1.000000 W (ERP)	
1850.00000000-1910.00000000 MHz	MO	20M0W7W	1.000000 W (ERP)	
1920.00000000-1980.00000000 MHz	MO	5M00G7W	1.000000 W (ERP)	
1930.00000000-1990.00000000 MHz	MO	20M0W7W	4000.000000 W (ERP)	
2110.00000000-2155.00000000 MHz	MO	20M0W7W	4000.000000 W (ERP)	
2110.00000000-2170.00000000 MHz	MO	5M00G7W	4000.000000 W (ERP)	

Frequency Information

MOBILE: White Sands Missile Range loc 4, within 20 km, centered around NL 33-19-17; WL 106-24-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
698.00000000-716.00000000 MHz	MO	10M0W7W	1.000000 W (ERP)	
728.00000000-746.00000000 MHz	MO	10M0W7W	4000.000000 W (ERP)	
746.00000000-756.00000000 MHz	MO	10M0W7W	1000.000000 W (ERP)	
777.00000000-787.00000000 MHz	MO	10M0W7W	1.000000 W (ERP)	
1710.00000000-1755.00000000 MHz	MO	20M0W7W	1.000000 W (ERP)	
1850.00000000-1910.00000000 MHz	MO	20M0W7W	1.000000 W (ERP)	
1920.00000000-1980.00000000 MHz	MO	5M00G7W	1.000000 W (ERP)	
1930.00000000-1990.00000000 MHz	MO	20M0W7W	4000.000000 W (ERP)	
2110.00000000-2155.00000000 MHz	MO	20M0W7W	4000.000000 W (ERP)	
2110.00000000-2170.00000000 MHz	MO	5M00G7W	4000.000000 W (ERP)	

Frequency Information

MOBILE: White Sands Missile Range loc 5, within 20 km, centered around NL 33-01-38; WL 106-21-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
698.00000000-716.00000000 MHz	MO	10M0W7W	1.000000 W (ERP)	
728.00000000-746.00000000 MHz	MO	10M0W7W	4000.000000 W (ERP)	
746.00000000-756.00000000 MHz	MO	10M0W7W	1000.000000 W (ERP)	
777.00000000-787.00000000 MHz	MO	10M0W7W	1.000000 W (ERP)	
1710.00000000-1755.00000000 MHz	MO	20M0W7W	1.000000 W (ERP)	
1850.00000000-1910.00000000 MHz	MO	20M0W7W	1.000000 W (ERP)	
1920.00000000-1980.00000000 MHz	MO	5M00G7W	1.000000 W (ERP)	
1930.00000000-1990.00000000 MHz	MO	20M0W7W	4000.000000 W (ERP)	
2110.00000000-2155.00000000 MHz	MO	20M0W7W	4000.000000 W (ERP)	
2110.00000000-2170.00000000 MHz	MO	5M00G7W	4000.000000 W (ERP)	

Special Conditions:

- (1) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (2) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (3) 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.
- (4) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 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.