

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

EXPERIMENTAL

(Nature of Service)

WD2XSJ

(Call Sign)

XC MO

(Class of Station)

0206-EX-RR-2011

(File Number)

NAME Titan Corporation, The

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(b) of the Commission's Rules

Station Locations

- (1) MOBILE: A: FSS4180 Mobile-CONUS+HI
- (2) MOBILE: B: FSS4180LP Mobile-CONUS+HI
- (3) MOBILE: C: FSS4180LC Mobile-CONUS+HI
- (4) MOBILE: D: FSS4180,LP,LC Mobile-CONUS+HI
- (5) MOBILE: CONUS+HI
- (6) MOBILE: CONUS+HI

Frequency Information

MOBILE: A: FSS4180 Mobile-CONUS+HI

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14000-14500 MHz	MO	2M45G7D	8 kW (ERP)	
14000-14500 MHz	MO	8M60G7D	28 kW (ERP)	

This authorization effective June 04, 2011 and
will expire 3:00 A.M. EST June 04, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: B: FSS4180LP Mobile-CONUS+HI

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14000-14500 MHz	MO	2M45G7D	8 kW (ERP)	
14000-14500 MHz	MO	8M60G7D	28 kW (ERP)	

MOBILE: C: FSS4180LC Mobile-CONUS+HI

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14000-14500 MHz	MO	2M45G7D	8 kW (ERP)	
14000-14500 MHz	MO	8M60G7D	28 kW (ERP)	

MOBILE: D: FSS4180,LP,LC Mobile-CONUS+HI

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14000-145000 MHz	MO	2M45G7D	8 kW (ERP)	
14000-145000 MHz	MO	8M60G7D	28 kW (ERP)	

Frequency Information

MOBILE: CONUS+HI

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14000-14500 MHz	MO	8M60G7D	8 kW (ERP)	

MOBILE: CONUS+HI

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14000-145000 MHz	MO	8M60G7D	8 kW (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) No transmissions are permitted between 14.0 GHz and 14.2 GHz within 125 km of White Sands, NM (latitude: 32° 20' 59" N, longitude 106° 36' 31" W and latitude: 32° 32' 40" N, longitude 106° 36' 48" W).
- (5) No transmissions are permitted between 14.47 GHz and 14.5 GHz within 125 km of Mauna Kea, HI (at latitude 19° 48' N, longitude 155° 28' W).
- (6) POINTS OF COMMUNICATIONS: AMC-1, AMC-2, AMC-5, AMC-6, AMC-9, AMC-15, AMC-16 AMC-21, AMC-23, G-16, G-17, G-26, G-27, G-28, H-2, IS-2, Horizons-1, and Telstar 14.
- (7) The designated point-of-contact to terminate transmissions if interference occurs is Mr. William Harbison, cell: 1-858-342-8688
- (8) Licensee shall comply with the Minimum Angle of Antenna Elevation criteria set forth in Part 25.205 of the FCC's rules.
- (9) Licensee shall comply with the EIRP density criteria set forth in Part 25.222(a)(1) through (a)(4) of the FCC's rules.
- (10) Licensee is authorized to up 50 units per test.

Special Conditions:

- (11) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government contract number DAAB07-02-C-F404. 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.