

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WD2XSJ

(Call Sign)

0003-EX-ML-2009

(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

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 January 27, 2009 and
will expire 3:00 A.M. EST August 01, 2010

**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)	

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.

Special Conditions:

- (3) 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).
- (4) 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).
- (5) POINTS OF COMMUNICATIONS: AMC-1, AMC-2, AMC-5, AMC-6, AMC-9, AMC-15, AMC-21, AMC-23, G-16, G-17, G-26, G-27, G-28, H-2, IS-2, Horizons-1, and Telstar 14.
- (6) Operation is limited to 40 terminals.
- (7) This license SUPERSEDES the previously issued license with the same call sign and file number: change number of terminals.