

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)

0013-EX-ML-2007

(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

Frequency Information

MOBILE: A: FSS4180 Mobile-CONUS + HI

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14000-14500 MHz	MO	G7D	20.4 kW (ERP)	

MOBILE: B: FSS4180LP Mobile-CONUS + HI

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

This authorization effective March 02, 2007 and
will expire 3:00 A.M. EST August 01, 2008

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: B: FSS4180LP Mobile-CONUS + HI

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

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) Licensee is authorized to use various emissions and bandwidths during the experiment.
- (4) Operation is limited to 25 terminals.
- (5) POINTS OF COMMUNICATIONS: AMC-1, AMC-2, AMC-5, AMC-9, AMC-23, IA-7, IA-8, Intelsat 2 and Intelsat Horizons-1.
- (6) 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).
- (7) 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).