

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WD2XKM

(Call Sign)

0153-EX-PL-2004

(File Number)

NAME AOS, Inc.

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(i) of the Commission's Rules

Station Locations

- (1) Hollywood (BROWARD), FL - NL 26-00-05; WL 80-12-06; MOBILE: Miami to Fort Lauderdale Metroplex, within 50 km
- (2) Dallas (DALLAS), TX - NL 32-59-35; WL 96-47-39; MOBILE: Greater Dallas/Fort Worth Metroplex, within 120 km
- (3) Arlington (ARLINGTON), VA - NL 38-53-38; WL 77-08-09; MOBILE: Virginia/Washington DC Metroplex, within 120 km

Frequency Information

Hollywood (BROWARD), FL - NL 26-00-05; WL 80-12-06; MOBILE: Miami to Fort Lauderdale Metroplex, within 50 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.65-1627.15 MHz	FX	156KD7W 31K2D7W 156KG7W 31K2G7W	51.8 W (ERP)	
1630.7-1631.035 MHz	FX	156KD7W 31K2D7W 156KG7W	51.8 W (ERP)	

This authorization effective August 04, 2004 and
will expire 3:00 A.M. EST August 01, 2005

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1630.7-1631.035 MHz	FX	31K2G7W	51.8 W (ERP)	
1638.5-1643 MHz	FX	31K2D7W 31K2G7W	51.8 W (ERP)	
1649.82-1650.05 MHz	FX	156KD7W 31K2D7W 156KG7W 31K2G7W	51.8 W (ERP)	

Dallas (DALLAS), TX - NL 32-59-35; WL 96-47-39; MOBILE: Greater Dallas/Fort Worth Metroplex, within 120 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.65-1627.15 MHz	FX	156KD7W 31K2D7W 156KG7W 31K2G7W	51.8 W (ERP)	
1630.7-1631.035 MHz	FX	156KD7W 31K2D7W 156KG7W 31K2G7W	51.8 W (ERP)	
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Frequency Information

Dallas (DALLAS), TX - NL 32-59-35; WL 96-47-39; MOBILE: Greater Dallas/Fort Worth Metroplex, within 120 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1649.82-1650.05 MHz	FX	156KD7W 31K2D7W 156KG7W 31K2G7W	51.8 W (ERP)	

Arlington (ARLINGTON), VA - NL 38-53-38; WL 77-08-09; MOBILE: Virginia/Washington DC Metroplex, within 120 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.65-1627.15 MHz	FX	156KD7W 31K2D7W 156KG7W 31K2G7W	51.8 W (ERP)	
1630.7-1631.035 MHz	FX	156KD7W 31K2D7W 156KG7W 31K2G7W	51.8 W (ERP)	
1638.5-1643 MHz	FX	31K2D7W 31K2G7W	51.8 W (ERP)	
1649.82-1650.05 MHz	FX	156KD7W 31K2D7W 156KG7W 31K2G7W	51.8 W (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) POINT OF COMMUNICATION: INMARSAT Satellite
- (3) Prior to operation of this experimental earth station with any INMARSAT satellite system, the satellite service provider must obtain an appropriate authorization from the International Bureau of the Federal Communications Commission.