

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

EXPERIMENTAL

(Nature of Service)

WH2XSL

(Call Sign)

XD MO

(Class of Station)

0230-EX-CR-2018

(File Number)

NAME Kymeta Corporation

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(j) of the Commission's Rules

Station Locations

(1) MOBILE: CONUS

Frequency Information

MOBILE: CONUS

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14-14.5 GHz	MO	100KG7W 5M00G7W	42.85 kW (ERP)	
28.35-30 GHz	MO	100KG7W 5M00G7W	42.85 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) 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.

This authorization effective August 01, 2018 and
will expire 3:00 A.M. EST July 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) Licensee shall maintain a pointing error of less than 0.2° , between the orbital location of the target satellite and the axis of the main lobe of the earth station antenna. All emissions from the earth station shall automatically cease within 100 milliseconds if the angle between the orbital location of the target satellite and the axis of the main lobe of the earth station antenna exceeds 0.5° , and transmission will not resume until such angle is less than 0.2° .
- (4) In accordance with Article 4.4 of the ITU Radio Regulations, the operations authorized herein shall not cause harmful interference to, and shall not claim protection from harmful interference caused by, a station operating in accordance with the provisions of the ITU Constitution, the ITU Convention, and the ITU Radio Regulations.
- (5) Licensee shall comply with the EIRP density criteria set forth in Part 25.222(a)(1) through (a)(4) of the FCC's rules.
- (6) Point of communication(s): AMC-16 ; AMC-15 ; Anik F3 ; EchoStar 9 ; Spaceway 3 ; Jupiter 2 ; Jupiter 1.
- (7) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Bernd Friedrich at (703) 340-5791 and (425) 896-3703.
- (8) Operation must be prior coordinated with Goddard Space Flight Center (GSFC) spectrum manager at (301) 286-5089.
- (9) Operation must be prior coordinated with NASA within 100 KM of Edwards, CA. POC (661) 276-2138 or (661) 276-2947.
- (10) Operation must be ceased if it causes harmful interference to NASA's operations in White Sands NM, Blossom Point MD, and Guam.
- (11) Coordination may be required with Cuba or other Caribbean countries.
- (12) Operation is subject to immediate cessation, if it causes harmful interference to the US Navy operations.