

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WH2XJY

(Call Sign)

0617-EX-PL-2014

(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) Bristow (PRINCE WILLIAM), VA - NL 38-47-00; WL 77-34-19
- (2) Redmond (KING), WA - NL 47-42-35; WL 122-09-46
- (3) Redmond (KING), WA - NL 47-42-35; WL 122-09-46

Frequency Information

Bristow (PRINCE WILLIAM), VA - NL 38-47-00; WL 77-34-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28050-28128 MHz	FX	50M0D1W 8M00D1W 8M00D1W 8M00D1W	40 kW (ERP)	
28172-28250 MHz	FX	50M0D1W 8M00D1W	40 kW (ERP)	

This authorization effective September 26, 2014 and
will expire 3:00 A.M. EST October 01, 2017

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Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28050-28128 MHz	FX	50M0M0D	40 kW (ERP)	
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Redmond (KING), WA - NL 47-42-35; WL 122-09-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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28172-28250 MHz	FX	50M0M0D	40 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) Operation is subject to prior coordination with the existing and future Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).
- (4) Transmissions from the earth station to O3b Limited NGSO space stations in the 27.6-28.4 GHz frequency band must comply with the equivalent power flux-density requirements in Article 22.5D of the International Telecommunication Union Radio Regulations.
- (5) Transmissions between the earth station and O3b Limited NGSO space stations must comply with coordination agreements reached between the United Kingdom and other Administrations, including all coordination agreements reached between the United Kingdom and the United States. (see e.g. UK telefax SSU 2000 dated 29 May 2009)

Special Conditions:

- (6) Kymeta must accept any interference from any authorized non-Federal or Federal station in the 17.8-18.6 GHz frequency band. Kymeta must immediately terminate non-conforming operations upon notification of harmful interference. Earth station may not receive transmissions from O3b Limited NGSO space stations in the 17.8-18.6 GHz frequency band until O3b Limited has completed coordination of its NGSO FSS system with all Federal FSS systems in the 17.8-18.6 GHz frequency band pursuant to 47 C.F.R. § 2.106, Footnote US 334. Operations in the 17.8-18.6 GHz frequency band must comply with the applicable equivalent power flux-density requirements in Articles 22.5C and 22.5F of the International Telecommunication Union Radio Regulations.
- (7) Coordination with existing commercial FS operators within 60 miles required.
- (8) Grant of this application does not prejudice Commission action on future applications.