

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WH9XOP

(Call Sign)

0463-EX-ST-2014

(File Number)

NAME Kymeta Corporation

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

To develop and test a microwave satellite technology.

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

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	40 kW (ERP)	

This authorization effective June 20, 2014 and
will expire 3:00 A.M. EST November 01, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

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

Redmond (KING), WA - NL 47-42-35; WL 122-09-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28050-28128 MHz	FX	50M0M0D	40 kW (ERP)	
28172-28250 MHz	FX	8M00M0D	40 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.
- (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.