

Subject:

FW: FCC File No. 0272-EX-PL-2016

Please find the below responses.

1. In great detail, please describe the purpose of your operation and attach your response as correspondence to this email.

We are a satellite antenna research company and in order for us to accomplish indoor testing, we require a GPS signal. The exact GPS location allows us to calibrate our antenna

2. In accordance with NTIA manual section 8.3.28, please address each item from 1 through 9 and attach your response as correspondence to this email.

Per NTIA Manual Section 8.3.28:

1. Individual authorization is for indoor use only, and is required for each device at a specific site.
We intend to only operate these devices in our testing lab located at 12277 134th CT NE, Redmond, WA 98052
2. Applications for frequency assignment should be applied for as an XT station class with a note indicating the device is to be used as an "Experimental RNSS Test Equipment for the purpose of testing GPS receivers" and describing how the device will be used.
These devices will assist our antenna receive a GPS signal while in a testing lab
3. Approved applications for frequency assignment will be entered in the GMF.
4. The maximum length of the assignment will be two years, with possible renewal.
Agreed however we would like to request a length of 3 years if at all possible.
5. The area of potential interference to GPS reception (e.g., military or contractor facility) has to be under the control of the user.
We are located in a commercial office park where we would not generate interference with any other services.
6. The maximum equivalent isotropically radiated power (EIRP) must be such that the calculated emissions are no greater than -140 dBm/24 MHz as received by an isotropic antenna at a distance of 100 feet (30 meters) from the building where the test is being conducted. The calculations showing compliance with this requirement must be provided with the application for frequency assignment and should be based on free space propagation with no allowance for additional attenuation (e.g., building attenuation.)
Please see attached
7. GPS users in the area of potential interference to GPS reception must be notified that GPS information may be impacted for periods of time.
No interference will be caused
8. The use is limited to activity for the purpose of testing RNSS equipment/systems.
We will be testing our product
9. A "Stop Buzzer" point of contact for the authorized device must be id
Chris Tran 425-896-3750

3. Please provide a detailed calculation(s) for the link budget specified on item 6 of section 8.3.28.
Please see attached.

4. In addition to your current location, why do you need 5 more GPS re-radiation units?

We have multiple labs isolated from each other. All labs require the same testing setups

Thanks,

Chris Tran

Facilities Manager

CTran@kymetacorp.com

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From: oetech@fccsun27w.fcc.gov [<mailto:oetech@fccsun27w.fcc.gov>]

Sent: Thursday, April 14, 2016 5:17 AM

To: Chris Tran <ctran@kymetacorp.com>

Subject: FCC File No. 0272-EX-PL-2016

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Office of Engineering and Technology



To: Tran Chris, Kymeta Corporation

CTran@kymetacorp.com

From: Behnam Ghaffari

Behnam.Ghaffari@fcc.gov

Applicant: Kymeta Corporation

File Number: 0272-EX-PL-2016

Correspondence Reference Number: 31904

Date of Original Email: 04/14/2016

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3. Please provide a detailed calculation(s) for the link budget specified on item 6 of section 8.3.28.
4. In addition to your current location, why do you need 5 more GPS re-radiation units?

The items indicated above must be submitted before processing can continue on the above referenced application.

Failure to provide the requested information within 30 days of 04/14/2016 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

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