

Tyler Goudie, Braxton Technologies

To:

marketing@braxtontech.com

Leann Nguyen

From:

Leann.Nguyen@fcc.gov

Braxton Technologies

Applicant:

0713-EX-PL-2014

File Number:

25413

Correspondence Reference Number:

10/08/2014

Date of Original Email:

To ensure proper review of your request for a test please provide the following additional information.

A- A purpose of experiment and a description of project.

We are deploying a Ground Site in order to communicate with a cubesat already on orbit.

We are NOT launching a cubesat. We have a letter from the IARU that supported the University of Colorado in the approved application.

We are expecting to be a backup ground station for CSSWE and their license is WG2XDS (attached) See Attached file FCC_license2014.pdf

B- If this experiment is used for testing CubeSat, please submit the following information

1. ODAR Report. **Assumed not applicable due to Ground Station deployment only.**
2. IARU coordination letter **Reference IARU coordination letter for WG2XDS.**
3. FCC also needs a NOAA determination and approval for any operation of cameras aboard the cubesats. **Assumed not applicable due to Ground Station deployment only.**
4. Please provide a tentative schedule of cubesat construction, launch integration dates and proposed launch dates and providers. Include the exact number of cubesats that you expect to launch. **Assumed not applicable due to Ground Station deployment only.**
5. Please provide any Spacecap analysis data files **Assumed not applicable due to Ground Station deployment only.**
6. We encourage you to concurrently contact the FCC International Bureau directly to discuss any current testing and future plans for non-experimental service operation. **Assumed not applicable due to Ground Station deployment only.**
7. We also need the following information:
 - a- Is the satellite geostationary or non-geostationary? **Satellite is Low Earth Orbit (LEO) already in space named CSSWE: See previous attached files for mission orbit.**
 - If satellite is geostationary, please submit its latitude and longitude. **N/A**
 - If satellite is non-geostationary, please submit inclination angle, apogee (km)/perigee (km), orbit period (hours), fractions of hours in decimal and number of satellites in the system.: **See previously attached files for mission orbit**
 - b - Description of the satellite and how it will operate. : **See previously attached files for science payload**
 - An analysis transmitting between satellites to satellite. **N/A no Sat to Sat Communication**
 - An analysis transmitting between satellites to ground stations.
 - c - Information of satellite transmitter antenna including gain, beamwidth, azimuthal range. **Assumed not applicable due to Ground Station deployment only.**
 - d- Information of earth station receiver antenna including gain, beamwidth, azimuthal range, elevation above mean sea level (m), minimum angle of elevation and antenna height above terrain (m).

earth station receiver antenna including gain: ~17 dBdc or 18.9 dBic using a M2 Cross Yagi:
http://www.m2inc.com/pdf_manuals/436CP42UG.pdf

, beamwidth,: 21°

azimuthal range, 360°

elevation above mean sea level (m): 1828.19 m

, minimum angle of elevation: 10°

and antenna height above terrain (m). 3m

e- Stop Buzzer information including name and telephone number of person who will terminate the system if having interference occurs.

Tyler Goudie

6 N Tejon St. Suite 220.

Colorado Springs, CO 80903

719-219-7448 (work)

801-864-3262 (cell)

719-380-8488 (front office)

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 10/08/2014 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.