

Applicant: Rowan University
File Number: 0599-EX-CN-2017
Correspondence Reference Number: 38113
Date of Original Email: 07/27/2017

Please submit the following items:

1. IARU approved/consent letter

Still waiting for this.

2. NOAA approval letter for the imaging operations – Uploaded to Application

3. SpaceCap file (You will need to email the file directly to me (behnam.ghaffari@fcc.gov) . You will have to change the .mdb extension to .txt so it is not blocked by our email filter – Emailed to you directly.

5. ITU Cost recovery letter – Uploaded to Application

6. Orbital Debris Assessment (ODAR)

Uploaded to Application.

7. Provide the information notes below for the purposed CubeSat. Submit your response as .pdf to your application :

a) THE TYPE OF SATELLITE, GEOSTATIONARY OR NONGEOSTATIONARY

Nongeostationary

B.) IF ANY SATELLITES ARE NONGEOSTATIONARY, REPORT ITS

INCLINATION ANGLE – 51°

APOGEE IN KILOMETERS – 409.5

PERIGEE IN KILOMETERS – 400.2

ORBITAL PERIOD IN HOURS AND FRACTIONS OF HOURS IN DECIMAL – 1.533

THE NUMBER OF SATELLITES IN THE SYSTEM – 1

b) THE SATELLITE TRANSMITTER ANTENNA GAIN AND BEAMWIDTH – The satellite transmitter antenna is a dipole. The antenna gain is 2.15 dBi and the half-power beam width is 78° .

c) THE SATELLITE TRANSMITTER ANTENNA AZIMUT: NARROWBEAM (NB), EARTH COVERAGE (EC) – There is no NB antenna on the satellite.

d) THE EARTH STATION RECEIVER

ANTENNA GAIN – 15.5 dBi

BEAMWIDTH – 30°

AZIMUTHAL RANGE – 360°

THE SITE ELEVATION ABOVE MEAN SEA LEVEL IN METERS – 45

THE ANTENNA HEIGHT ABOVE TERRAIN IN METERS – 15 (on top of a building)