Applicant:

RBC Signals LLC

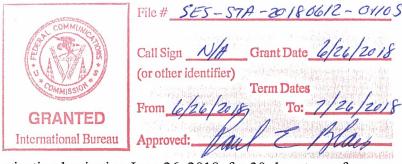
File No:

SES-STA-20180612-01105

Call Sign:

None

Special Temporary Authority (STA)



RBC Signals LLC is granted special temporary authorization beginning June 26, 2018, for 30-days to perform tracking, telemetry and command ("TT&C") to evaluate tracking telemetry and command link stability and functionality prior to regular earth station operations from this site. All operation will be conducted with the Astranis Space Technology Corps' DEMOSAT 2 experimental CubeSat operating in the in a 500 km x 500 km NGSO orbit with an inclination of approximately 97.4° in the 401.6-401.75 MHz (Earth-to-space/space-to-Earth) frequency band from a fixed earth station locate in Windham, NY at 42 ° 20 ' 11.3" N, 74 ° 15 ' 37.4" W Under the following conditions.

Conditions

1. Operations shall be on an unprotected, non-interference basis with respect to other authorized stations, including federal stations.

2. All operations are limited to the parameters in the table below.

YAGI-1
0.025/3.57
16.2
NGSO CubeSat
operating at a nominal
500 km circular orbit at
an inclination of
approximately 97.4°.
8.93 w (9.5 dBW)
401.6-401.75
401.6-401.75
114KG1D
25.6
25.6

- 3. RBC should not have any expectation of having operation in the 401.6 401.75 MHz authorized in the long term. Any future requests or extensions will need to submit applications to the FCC to be re-coordinated with NTIA.
- 4. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at RBC's risk.

This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.