

Applicant: RBC Signals LLC
 File No: SES-STA-20180612-01105
 Call Sign: None
 Special Temporary Authority (STA)



File # SES-STA-20180612-01105
 Call Sign N/A Grant Date 6/26/2018
 (or other identifier)
 Term Dates
 From 6/26/2018 To: 7/26/2018
 Approved: Paul E. Blair

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.

Antenna:	YAGI-1
Antenna size (meters):	0.025/3.57
Antenna Gain (dBi):	16.2
Satellite Arc Range for Earth Station	NGSO CubeSat operating at a nominal 500 km circular orbit at an inclination of approximately 97.4°.
Input power (watts):	8.93 w (9.5 dBW)
Transmit Frequency (MHz):	401.6-401.75
Receive Frequency (MHz)	401.6-401.75
Emission	114KG1D
EIRP (dBW Carrier)	25.6
EIRP (dBW/4 KHz)	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.