

ATTACHMENT TO GRANT
AST & Science, LLC
ICFS File No. SES-STA-20260721-02063

ICFS File No(s):	SES-STA-20260721-02063	GRANTED - With Conditions  Space Bureau						
Licensee/Grantee:	AST & Science, LLC							
Call Sign:	E250211							
Satellite Name:	FM1 (WL2XRE), Block-1 Bluebird (BB1) Satellites 1-5, Block-2 Bluebird (BB2) Satellites 6-25 (S3065)							
Orbital Location: (required station-keeping tolerance)								
Administration:								
Nature of Service:								
Scope of Grant:	AST & Science LLC ("AST"), is granted an additional 60-day special temporary authority (STA) to operate its V-band satellite earth station to provide telemetry, tracking, and command (TT&C) and feeder link communications to the FM1 satellite and the Block 1 Bluebird (BB1), Satellites 1-5 (S3065); and to provide TT&C services to the Block 2 Bluebird (BB2), Satellites 6-25 (S3065).							
Service Area(s):	40° 53' 38.65" N, 76° 26' 25.44" W in Catawissa, PA							
Frequencies:	Operations will be performed in the following frequency bands: <table><tr><td>48.2–50.2 GHz</td><td>(Earth-to-space)</td></tr><tr><td>50.4–51.4 GHz</td><td>(Earth-to-space)</td></tr><tr><td>40.0–42.0 GHz</td><td>(space-to-Earth)</td></tr></table>		48.2–50.2 GHz	(Earth-to-space)	50.4–51.4 GHz	(Earth-to-space)	40.0–42.0 GHz	(space-to-Earth)
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50.4–51.4 GHz	(Earth-to-space)							
40.0–42.0 GHz	(space-to-Earth)							
Operations under this grant must comport with the legal and technical specifications set forth by the applicant or petitioner and with Federal Communication Commission's rules not waived herein. This grant is also subject to the following conditions:								
1. STA operations must not exceed the operational power levels and parameters requested and coordinated. 2. STA operations must use the minimum power level necessary to establish communications links in order to minimize potential interference to licensed users. 3. All operations under this grant of STA must be on an unprotected and non-interference basis (NIB), i.e., AST must not cause harmful interference to and must not claim protection from interference caused to it by any other lawfully operating station. 4. In the event of any harmful interference caused by operations under this grant of STA, AST must immediately cease operations upon notification of such interference. AST must immediately inform the Commission, in writing, of such an event. 5. Uplink emissions from the Catawissa, PA earth station in the 48.2–50.2 GHz OR 50.4–51.4 GHz bands shall not occur when the AQUA (NORAD ID 27424) spacecraft is in horizon-to-horizon view. 6. AST & Science, LLC, per agreement, must coordinate the operation of these gateway sites with NSF at esm@nsf.gov. 7. In accordance with Resolution 750 of the Radio Regulations, all Earth-to-space transmissions shall not exceed an unwanted emission power, as measured at the antenna port, of –42 dBW in the frequency band 50.2-50.4 GHz. For earth stations that employ								

uplink power control (free-space path loss compensation), the unwanted emission power shall be limited to –42 dBW at zenith and may increase to a maximum level of –35 dBW at a minimum elevation angle of 15°.

8. The 24/7 point of contact in the United States, with authority and ability to cease all emissions, for this operation is Federico Fawzi at +1 (432) 276-3465.

9. STA operations must be in compliance with earth station applicable operations allowed by the space station authorization(s) or grant(s), including all relevant conditions, waivers, and findings therein.

10. STA operations since the expiration of the previous STA and the commencement of this STA were authorized as continuing operations under 47 CFR § 1.62.

This grant is issued pursuant to section 0.261 of the Commission's rules on delegated authority, 47 CFR § 0.261, and is effective upon release. This STA is authorized pursuant to the Commission's rule 47 CFR § 25.120.

Action Date:	08-03-2026	
Term Dates	From: 08-03-2026	To: 10-01-2026
Approved:	SIGNATURE:	