

ATTACHMENT TO GRANT
AST & Science, LLC
ICFS File No. SES-STA-20260525-01411

ICFS File No(s):	SES-STA-20260525-01411	GRANTED - With Conditions  Space Bureau
Licensee/Grantee:	AST & Science, LLC	
Call Sign:	E250215	
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 SpaceMobile"), 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 (WL2XRE) 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):	34° 24' 5.0" N, 119° 04' 23.0" W in Santa Paula, CA	
Frequencies:	Operations will be performed in the following frequency bands: 47.2–50.2 GHz (Earth-to-space) 50.4–51.4 GHz (Earth-to-space) 37.5–42.0 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, and must comport with the technical specifications described in the underlying application, except as conditioned in this grant of STA. 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 SpaceMobile 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 SpaceMobile must immediately cease operations upon notification of such interference. AST SpaceMobile must immediately inform the Commission, in writing, of such an event. 5. 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°. 6. All space-to-Earth transmissions at angles greater than 65.0° from nadir relative to each AST Space Mobile satellite shall not exceed an unwanted emission e.i.r.p. density of –21 dB(W/100 MHz) in the frequency band 36-37 GHz.		

7. Uplink transmissions in the 47.2-50.2 GHz and 50.4-51.4 GHz bands comply with the ITU Radio Regulations Resolution 750 unwanted emission limits to protect the adjacent EESS (passive) 50.2-50.4 GHz band.

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. AS&T Science must adhere to the conditions in the coordination agreement with NSF.

11. 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:	07-07-2026	
Term Dates	From: 07-08-2026	To: 09-05-2026
Approved:	SIGNATURE:	