



ATLAS Space Operation, LLC
10850 E. Traverse Highway, Suite 3355
Traverse City, Michigan 49684-1363

April 23, 2026

TO: Ms. Marlene H. Dortch
Secretary, Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: Request for Special Temporary Authority

Dear Ms. Dortch,

Pursuant to Section 25.120 of the Commission's Rules, ATLAS Space Operations, Inc (ATLAS) requests Special Temporary Authority (STA) for one hundred eighty (180) days or until a fixed license is granted, commencing upon grant for the operation of our satellite earth station in Tafuna, American Samoa to communicate with the Tomorrow.io weather constellation (call sign S3156). This request is of a temporary nature to cover the period of time until a full earth station license can be submitted to add this point of communication. This earth station is located at 14° 19' 49.7" S 170° 42' 49.3" W.

The Tomorrow.io weather constellation (S3156) is currently licensed under SAT-MOD-20250313-00070 with a grant date of Dec 22, 2025. At the date of this application, the S3156 grant does not include the Tafuna, American Samoa earth station as a federally coordinated station, however, Tomorrow.io has submitted an update to their license to add this earth station.

Tomorrow.io S3156

Licensed: SAT-MOD-20250313-00070 date Dec 22, 2025

Launch date: already on orbit

ATLAS earth station location: 14° 19' 49.7" S 170° 42' 49.3" W (Tafuna, American Samoa)

Frequency Coordination: SBE coordination completed on May 13, 2025 with no objections. ULS database search completed on April 14, 2026 for 2025-2110 MHz range did not yield any licenses in American Samoa in this range.

S3156

Transmission Direction	Satellite	Lower	Center Frequency (MHz)	Upper	Emission	Polarity	Max EIRP per carrier (dBW)	Max EIRP density per carrier (dBW/4kHz)
earth-to-space	S3156	2054.525	2054.625	2054.725	200KG1D	RHCP	50.2	33.2
space-to-earth	S3156	8026.0	8030.0	8034.0	8M00G1D	RHCP	-	-



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Operation of the American Samoa earth station will enable frequent, predictable contact with the constellation to support potential collision avoidance, perform payload operations and orbit maintenance, and eventually safely deorbit.

If approved, communications will be on a secondary non-interference basis and we will discontinue operation in the event of any reported interference.

24 hour contact information for the American Samoa earth station is as follows: +1 231 598 6184 x222

Clint Schlegel, +1 231 631 5983, clint.schlegel@atlasspace.com

Operations Office - +1 231 598 6184 x 222 or
+1 877 392 8527 x 222
ops@atlasspace.com

Respectfully Submitted,

Clint Schlegel

Clint Schlegel
Head of Licensing and Regulatory
ATLAS Space Operations

Enclosure: 1) ULS database search results April 14, 2026 & SBE coordination
2) S3156 FCC grant dated Dec 22, 2025 SAT-MOD-20250313-00070

ATLAS Space Operations Frequency Coordination Tafuna, American Samoa

ULS search completed on April 14, 2026

State: American Samoa

County: Eastern & Western, which encompasses the entire island of Tutuila, American Samoa

Frequencies: 2025 - 2110 MHz

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Specified Search

State = **American Samoa**
County = **EASTERN, WESTERN**
Frequency Upper Band >= **2110**
Frequency Assigned <= **2025**

No matches found To try again, you can perform a [new search](#) or [refine your existing search](#).

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Federal Communications Commission
45 L Street NE
Washington, DC 20554

Society of Broadcast Engineers (SBE) coordination completed on May 13, 2025 as confirmed by Mr Ted Hand, the SBE President for the same frequencies above.

ATTACHMENT TO GRANT
The Tomorrow Companies, Inc.
ICFS File No. SAT-MOD-20250313-00070

 GRANTED* Space Bureau	File # SAT-MOD-20250313-00070 Call Sign <u>S3156</u> Grant Date: <u>12/22/2025</u> (or other identifier) From: <u>08/16/2024</u> To: <u>08/16/2039</u> Approved: <u>Jonathan R Markman</u> Acting Division Chief Satellite Programs and Policy Division
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*with conditions

ICFS File No(s):	SAT-MOD-20250313-00070 ¹	GRANTED With Conditions  Space Bureau Satellite Programs and Policy Division
Licensee/Grantee:	The Tomorrow Companies, Inc. (Tomorrow.io)	
Call Sign:	S3156	
Satellite Name:	Tomorrow.io Weather Constellation	
Orbital Location: (required station-keeping tolerance)	Non-geostationary orbit (NGSO) with operational apogee and perigee altitudes from 350-600 km; ² inclination ranges of 97.7 degrees (+/- 0.4 degrees), 45 degrees (+/- 1.1 degrees), and 88 degrees (+/- 2.1 degrees) ³	
Administration:	United States of America	
Nature of Service:	Earth Exploration Satellite Service (EESS)	
Scope of Grant:	Modify the authorized operational altitudes from the current perigee and apogee of 500-580 km (+/- 20 km) to a perigee and apogee of 350-600 km and modify the orbital location to add the inclination range of 88 (+/- 2.1) degrees to the currently authorized inclination ranges of 97.7 (+/- 0.4) degrees and 45 (+/- 1.1) degrees.	
Prior Grant:	Authority to deploy and operate up to four NGSO satellites as part of the Tomorrow.io Weather Constellation, Grant Stamp, in part, ICFS File Nos. SAT-LOA-20221201-00167, SAT-AMD-20230406-00075 (May 17, 2024); and Authority to deploy and operate 14 additional NGSO satellites as part of the Tomorrow.io Weather Constellation, Grant Stamp, ICFS File Nos. SAT-LOA-20221201-00167, SAT-AMD-20230406-00075, and SAT-MOD-20240618-00138 (Oct. 3, 2024). ⁴	
Service Area(s):	Global, subject to conditions (see Appendix A)	
Frequencies:	EESS: 8025-8400 MHz, center frequency of 8030.0 MHz on right hand circular polarization (RHCP) with 8.0 MHz bandwidth (space-to-Earth). EESS (Passive) 90.13-92.65 GHz	

¹ This application was placed on public notice as accepted for filing on May 16, 2025. See Space Station Applications Accepted for Filing, Report No. SAT-01919 (May 16, 2025). No comments were received in response to the notice. On January 17, 2023 Space Exploration Technologies filed a letter requesting that certain conditions imposed on its own license be imposed on several pending NGSO applications, including Tomorrow.io. Several conditions were included in The Tomorrow.io's prior grant and are repeated here.

² Tomorrow.io states that extending the operational altitude will not exceed the current duty cycle limits and downlink transmissions will not exceed power flux density limits. Tomorrow Companies, Inc., ICFS File No. SAT-MOD-20350313-00070, Narrative at 4. Tomorrow.io must update orbital information with the 18th Space Defense Squadron.

³ We find that the modification to add the inclination range of 88 degrees (+/- 2.1 degrees) will not change the satellites' orbital maintenance characteristics. Tomorrow.io must maintain the satellites in their respective orbits noted in this grant and shall not be in phase with Federal agencies' satellite systems.

⁴ Tomorrow.io was also granted several special temporary authorizations pending grant of this modification: Tomorrow Companies Inc., Grant Stamp ICFS File Nos. SAT-STA-0929-00312 (Dec. 2, 2025) and SAT-STA-20250313-00071 (Sept. 9, 2025).

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	114.5-122.75 GHz 182.19-191.31 GHz 202.04-205.8 GHz Telemetry, tracking, and command (TT&C): 2025-2110 MHz, center frequency of 2054.625 MHz on RHCP with 200 kHz bandwidth (Earth-to-space) 8025-8400 MHz, center frequency of 8030.0 MHz on RHCP with 8.0 MHz bandwidth (space-to-Earth) GPS L1 (receive only): 1575.42 MHz (space-to-space)
Operations under this grant must comport with the legal and technical specifications set forth by the applicant or petitioner and with the Federal Communications Commission’s rules not waived herein. This grant is also subject to the following conditions: 1. This authorization includes the previously granted waiver of the U.S. Table of Frequency Allocations, 47 CFR § 2.106(a), to allow non-conforming use of the 2025-2110 MHz band for Tomorrow.io’s satellites TT&C, subject to the condition that Tomorrow.io operates on an unprotected and non-interference basis, accepts any interference from authorized services, and complies with the other conditions below regarding operations in this band.⁵ Tomorrow.io intends to operate TT&C in these frequencies but will not operate in the EESS using these frequency bands. In the band 2025-2110 MHz, non-Federal Earth-to-space transmissions may be authorized in the space research and Earth exploration-satellite services, however, this does not include operations solely in the space operation service. 47 CFR § 2.106(a), (c)(347). In this instance we find good cause to waive the Table of Frequency Allocations to allow Tomorrow.io to operate command links only with its satellites based on Tomorrow.io’s coordination with Federal users in the frequency band, which should ensure that any authorized Federal users are protected from harmful interference. 2. This authorization includes the previously granted waiver of the U.S. Table of Frequency Allocations, 47 CFR § 2.106(a), to allow reception of data for EESS (passive) in certain bands not allocated for EESS (passive) use.⁶ We note that the allocations for EESS (passive) in the international and U.S. Table of Frequency Allocations do not include Tomorrow.io’s requested EESS (passive) operations between 92 to 92.65 GHz and between 122.25 to 122.75 GHz. However, in this case we find that the reception by Tomorrow.io satellites of weather data in these frequency bands will not alter the interference environment as no signals will be transmitted in those frequency bands either by Tomorrow.io’s satellites or by any earth station facility. Tomorrow.io will be operating on an unprotected and non-interference basis and cannot claim protection from authorized users in the frequency bands. Based on the limited, receive-only operations by Tomorrow.io’s “sounder” instrument, we find good cause to grant a waiver in this instance. The non-conforming use will augment the quality of the measurements for Tomorrow.io’s scientific mission, and we conclude that in these circumstances grant of a waiver to permit these EESS (passive) operations is in the public interest. Waiver is limited to this authorization, and is without prejudice to any determination the Commission may make on a future request for waiver to operate in these frequency bands by Tomorrow.io or any other party. Tomorrow.io shall not claim protection from	

⁵ The Tomorrow Companies, Inc. Grant Stamp, ICFS File No. SAT-LOA-20221201-00167 and SAT-AMD-20230406-00075 at para. 2 (rel. May 17, 2024) (Tomorrow.io Grant).

⁶ See Letter from Kristina Hloptsidis, Vice President, Regulatory & Operations, The Tomorrow Companies, Inc., to Marlene H. Dortch, Secretary, FCC at 1-2 (dated Mar. 29, 2024), and Tomorrow.io Grant at para. 3

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nor cause harmful interference to any authorized users operating consistent with the U.S. Table of Frequency Allocations, 47 CFR § 2.106(a).

3. Space-to-Earth and Earth-to-space operations shall be strictly limited to durations when the Tomorrow.io space stations referenced within this license request are visible to the corresponding earth station locations listed in Appendix A of the attachment to this grant, noting the additional restrictions within this grant.
4. Transmissions in the 2025-2110 MHz and 8025-8400 MHz bands may only be made to/from earth stations coordinated with Federal agencies, including National Aeronautics and Space Administration (NASA), Department of Commerce/National Oceanic and Atmospheric Administration (DOC/NOAA), and the United States Air Force Spectrum Management Office (AFSMO). Any use of Federal ground stations shall be coordinated by Tomorrow.io's Federal government customers with AFSMO (jimmy.nguyen@us.af.mil), NASA (HQ-SatCoord@mail.nasa.gov) and DOC/NOAA (spectrum.info@noaa.gov). A list of coordinated non-Federal earth stations is attached as Appendix A. Tomorrow.io shall provide the FCC with an updated list of coordinated non-Federal earth stations within ten business days following any changes to that list.
5. Transmissions in the 2025-2110 MHz and 8025-8400 MHz bands are limited to the center frequencies and emission bandwidths coordinated with Federal users set forth in the Frequencies section of this grant. Combined uplink (Earth-to-space) and downlink (space-to-Earth) per earth station per satellite duty cycles shall be limited to no more than 59% for the mid-inclination satellites and no more than 49% for the near-polar satellites, with the uplink (Earth-to-space) typically requiring less than 1 minute per visibility opportunity and the downlink (space-to-Earth) typically requiring less than 3 minutes per visibility opportunity.
6. Earth station transmissions to space stations in the 2025-2110 MHz band must be coordinated with fixed and mobile stations in the 2025-2110 MHz band (e.g., via the Society of Broadcast Engineers (SBE)).
7. Power flux-density levels from operation in the 8025-8400 MHz band must satisfy the limits in No. 22.5 and Table 21-4 of the ITU Radio Regulations. Tomorrow.io shall satisfy the protection criteria in Recommendation ITU-R SA.1157-1, and Tomorrow.io shall follow the guidelines in Recommendation ITU-R SA. 1810.
8. This authorization includes the previously granted waiver of the modified processing round requirements given the opportunity for additional entrants to operate in Tomorrow.io's requested frequency bands. 47 CFR §§ 25.156 and 25.157. *See DigitalGlobe, Inc.*, Order and Authorization, 20 FCC Rcd 15696 (Sat. Div., Int'l Bur. 2005) at para. 8.⁷
9. Tomorrow.io shall provide the FCC and other Federal agencies the initial orbital parameters (e.g. operating altitudes, inclination angle) for each pair of satellites in a plane within 30 days following launch. Notification shall be provided to AFSMO (jimmy.nguyen@us.af.mil), NASA (HQ SatCoord@mail.nasa.gov) and DOC/NOAA (spectrum.info@noaa.gov)).
10. Tomorrow.io is authorized to deploy up to two of the 14 satellites granted in this authorization for Tomorrow.io Weather Constellation satellites using its original satellite design.⁶ No more than 6 of

⁷ Tomorrow.io Grant at para. 9.

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the total 18 satellites in the Tomorrow.io Weather Constellation will be deployed that were constructed using the original satellite design.⁷

11. Tomorrow.io must provide a semi-annual report, by January 1 and July 1 each year, covering the preceding six- month period, respectively, from June 1 to November 30 and December 1 to May 31. The report should include the following: number of conjunction events identified for Tomorrow.io satellites during the reporting period, and the number of events that resulted in an action (maneuver or coordination with another operator), as well as any difficulties encountered in connection with the collision avoidance process and any measures taken to address those difficulties. Tomorrow.io must report any inability to command the satellites in a way necessary to perform differential drag maneuvers at altitudes above 350 km not later than 10 days following the loss of that ability. Based on the information reported, the license may be subject to additional terms and conditions, including additional reporting obligations, limitations on additional deployments, or any other appropriate conditions to limit collision risk.
12. Tomorrow.io satellites launched after September 29, 2024 must meet the Commission's five-year post mission disposal requirement and must not be integrated into a launch vehicle that could place them into an orbital altitude above 600 km.

Licensee/grantee is afforded thirty (30) days from the date of release of this action to decline the grant as conditioned. Failure to respond within this period will constitute formal acceptance of the grant as conditioned.

This action is taken pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 CFR § 0.261, and is effective upon release.

Station licenses are subject to the conditions specified in Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. § 309(h).

Action Date	December 22, 2025
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Term Dates	From: August 16, 2024	To: August 16, 2039
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Approved:

Jonathan R. Markman
Acting Division Chief, Satellite Programs and Policy Division

APPENDIX A

ATTACHMENT TO GRANT
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Earth Stations⁸

Ground Station, City, Country -	Maximum number of passes per day
1. Awarua 1 New Zealand	78
2. BarrowAK, USA	98
3. Dubai UAE	67
4. Dundee Scotland, UK	74
5. Mingenew Australia	80
6. Harmon Guam	57
7. Accra Ghana	55
8. Alice Springs, Australia	66
9. Cordoba Argentina	82
10. Fairbanks AK, USA	72
11. Guildford UK	76
12. Ojebyn Sweden	74
13. Pendergrass GA, USA	81
14. Pretoria South Africa	69
15. Ushuaia Argentina	74
16. Awarua 2 New Zealand	78
17. Baku Azerbaijan	78
18. Blonduos Iceland	76
19. Kandy Sri Lanka	56
20. Peterborough South Australia	81
21. Plana Bulgaria	77
22. Unst Shetland,UK	66
23. Azores (Santa Maria) Portugal	79
24. Nangetty West Australia	80
25 Mon Loisir Mauritius	61

⁸ This list includes the locations of the baselined earth stations identified by Tomorrow.io. See ICFS File Nos. SAT-LOA-20221201-00167; SAT-AMD-20230406-00075 Updated Tech. Narrative (filed June 14, 2023) at 6-7, Table 2