



File # SAT-STA-20210826-00112

Call Sign S3067 Grant Date Sept. 10, 2021

(or other identifier)

Approved by OMB
3060-0678

Term Dates

From Sept. 10, 2021 To: period of 60 days

Approved: Merissa L. Velez

Merissa L. Velez
Chief, Satellite Policy Branch

Date & Time Filed: Aug 26 2021 5:16:27:263PM
File Number: SAT-STA-20210826-00112
Callsign:

*with conditions

FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY

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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
STA Extension for Correct S-Band Telecommand Channel (August 2021)

1. Applicant

Name:	R2 Space, LLC	Phone Number:	207-841-2170
DBA Name:		Fax Number:	
Street:	535 West William Suite 401	E-Mail:	ryan@r2space.com
City:	Ann Arbor	State:	MI
Country:	USA	Zipcode:	48103 -
Attention:	Ryan Farris		

ATTACHMENT TO GRANT
R2 Space, Inc.
IBFS File No. SAT-STA-20210826-00112

IBFS File No(s):	SAT-STA-20210826-00112	<p>GRANTED – With Conditions</p>  <p>International Bureau Satellite Division</p>
Licensee/Grantee:	R2 Space, Inc. (R2 Space)	
Call Sign:	S3067	
Satellite Name:	XR-1	
Orbital Location: (required station-keeping tolerance)	Non-geostationary satellite orbit (NGSO), initial deployment to ~550 km altitude (± 50 km), 97.7 degrees (± 15 degrees) inclination, Local Time of Descending Node (LTDN) of 9:30 AM (± 60 min)	
Administration:	United States of America	
Nature of Service:	Earth Exploration Satellite Service (EESS)	
Scope of Grant:	Special temporary authority for a period of 60 days to conduct telemetry, tracking and command (TT&C) with the XR-1 space station using a telecommand uplink channel at 2086.836-2086.964 MHz. ¹	
Service Area(s):	Global, subject to limitations in specific frequency bands	
Frequencies:	8225-8375 MHz (space-to-Earth) 9500-9800 MHz (space-to-Earth) Synthetic Aperture Radar (SAR) TT&C frequencies: 2262.75-2264.25 MHz (space-to-Earth) (outside U.S. only) 2086.836-2086.964 MHz (Earth-to-space)	
<p>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:</p> <ol style="list-style-type: none"> 1. Other than the use of the specified 2086.836-2086.964 MHz frequency band in lieu of the 2086.736-2086.864 MHz frequency band, operations of XR-1 must comport with the terms and conditions of the authorization for XR-1 granted in part and deferred in part on December 18, 2020. <i>See</i> IBFS File No. SAT-LOA-20200511-00042. 2. All operations under this grant of special temporary authority must be on an unprotected and non-harmful interference basis, i.e., the XR-1 space station must not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating station. In the event of any harmful interference, R2 Space must cease operations immediately upon notification of such interference, and shall inform the Commission, in writing, immediately of such an event. 3. This action is without prejudice to any enforcement action in connection with operations at variance from the terms and conditions specified in IBFS File No. SAT-LOA-20200511-00042 (granted-in-part/deferred-in-part Dec. 18, 2020). 		
<p>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.</p> <p>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.</p>		


¹ *See* IBFS File No. SAT-LOA-20200511-00042 (granted-in-part/deferred-in-part Dec. 18, 2020).

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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:	September 10, 2021	
Term Dates	From: September 10, 2021	To: period of 60 days

Approved:



Merissa L. Velez
Chief, Satellite Policy Branch

2. Contact	
Name: David S. Keir	Phone Number: 202-416-6742
Company: Lerman Senter PLLC	Fax Number:
Street: 2001 L Street, N.W. Suite 400	E-Mail: dkeir@lermansenter.com
City: Washington	State: DC
Country: USA	Zipcode: 20036 -
Attention:	Relationship: Legal Counsel
(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)	
3. Reference File Number SATMOD2021041500050 or Submission ID	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).	
<input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee	
<input type="radio"/> Other (please explain):	
4b. Fee Classification CXW – Space Station (Non-Geostationary)	
5. Type Request	
<input type="radio"/> Change Station Location <input type="radio"/> Extend Expiration Date <input checked="" type="radio"/> Other	
6. Temporary Orbit Location	7. Requested Extended Expiration Date

8. Description (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

Request for extension of STA granted in IBFS File No. SAT-STA-20210415-00051 to operate using corrected telecommand uplink at 2086.836-2086.964 MHz (center frequency at 2086.9 MHz) for an additional 60-day period commencing August 30, 2021.

9. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes. Yes No

10. Name of Person Signing
Ryan Farris

11. Title of Person Signing
CFO

12. Please supply any need attachments.

Attachment 1: Explanatory Stmt

Attachment 2:

Attachment 3:

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT
(U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION
(U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

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