Approved by OMB 3060–0678

Date & Time Filed: Apr 15 2021 6:41:34:323PM File Number: SAT–MOD–20210415–00050

| FCC APPLICATION FOR SPACE AND EARTH STATION:MOD OR AMD – MAIN FORM | FCC Use Only |
|--|--------------|
| FCC 312 MAIN FORM FOR OFFICIAL USE ONLY | |
| | |

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu: MOD of Smallsat NGSO Network License for XR-1 Satellite (April 2021)

| 1–8. Legal Name of Applicant | | | | |
|------------------------------|------------|------------------|---------------|------------------|
| Nan | ne: | R2 Space, Inc. | Phone Number: | 207-841-2170 |
| DBA Nan | | | Fax Number: | |
| Stre | et: | 535 West William | E-Mail: | ryan@r2space.com |
| | | Suite 401 | | |
| City | 7 . | Ann Arbor | State: | MI |
| Cou | ntry: | USA | Zipcode: | 48103 – |
| Atte | ention: | Ryan Farris | | |
| | | | | |

| Name: | David S. Keir | Phone Number: | 202-416-6742 |
|-----------------|---------------------|----------------------|------------------------|
| Company: | Lerman Senter PLLC | Fax Number: | |
| Street: | 2001 L Street, N.W. | E-Mail: | dkeir@lermansenter.com |
| | Suite 400 | | |
| City: | Washington | State: | DC |
| Country: | USA | Zipcode: | 20036- |
| Attention: | David S. Keir | Relationship: | Legal Counsel |

| 17. Choose the button next to the | |
|--|--|
| classification that applies to this filing for | (N/A) b1. Application for License of New Station |
| both questions a. and b. Choose only one | (N/A) b2. Application for Registration of New Domestic Receive–Only Station |
| for 17a and only one for 17b. | • b3. Amendment to a Pending Application |
| - al Farth Station | b4. Modification of License or Registration |
| • a1. Earth Station | b5. Assignment of License or Registration |
| a2. Space Station | b6. Transfer of Control of License or Registration |
| | o b7. Notification of Minor Modification |
| | (N/A) b8. Application for License of New Receive–Only Station Using Non–U.S. Licensed Satellite |
| | (N/A) b9. Letter of Intent to Use Non–U.S. Licensed Satellite to Provide Service in the United |
| | States |
| | (N/A) b10. Other (Please specify) |
| | |
| | (N/A) b11. Application for Earth Station to Access a Non–U.S. satellite Not Currently Authorized |
| | to Provide the Proposed Service in the Proposed Frequencies in the United States |
| | (N/A) b12. Application for Database Entry |
| | b13. Amendment to a Pending Database Entry Application |
| | • b14. Modification of Database Entry |
| | |

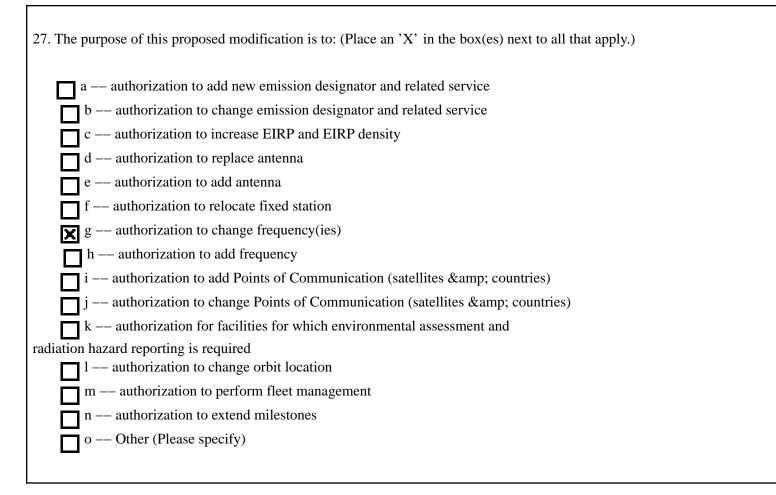
| 17c. Is a fee submitted with this applicat | | | | |
|--|---|---|--|--|
| If Yes, complete and attach FCC Form | If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R.Section 1.1114). | | | |
| O Governmental Entity O Noncomme | ercial educational licensee | | | |
| • Other(please explain): | • Other(please explain): | | | |
| 17d. | | | | |
| Fee Classification CGW – Space Station Modification(Non– Geostationary) | | | | |
| 18. If this filing is in reference to an existing station, enter: | 19. If this filing is an amendment to a pending a modification please enter only the file number: | pplication enter both fields, if this filing is a | | |
| (a) Call sign of station: | (a) Date pending application was filed: | (b) File number: | | |
| S3067 | | G ATTL O A 2020051100042 | | |
| | | SATLOA2020051100042 | | |
| | | | | |

TYPE OF SERVICE

| 20. NATURE OF SERVICE: This filing is for an authorization to provide or use the following type(s) of service(s): Select all that apply: | | | | |
|--|--|--|--|--|
| a. Fixed Satellite | | | | |
| b. Mobile Satellite | | | | |
| c. Radiodetermination Satellite | | | | |
| d. Earth Exploration Satellite | | | | |
| e. Direct to Home Fixed Satellite | | | | |
| f. Digital Audio Radio Service | | | | |
| g. Other (please specify) | | | | |
| | | | | |
| 21. STATUS: Choose the button next to the applicable status. Choose 22. If earth station applicant, check all that apply. | | | | |
| only one. Using U.S. licensed satellites | | | | |
| Common Carrier Non–Common Carrier Using Non–U.S. licensed satellites | | | | |
| 23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Choose one. Are these facilities: | | | | |
| Connected to a Public Switched Network O Not connected to a Public Switched Network O N/A | | | | |
| 24. FREQUENCY BAND(S): Place an 'X' in the box(es) next to all applicable frequency band(s). | | | | |
| a. C–Band (4/6 GHz) b. Ku–Band (12/14 GHz) | | | | |
| c.Other (Please specify upper and lower frequencies in MHz.) | | | | |
| Frequency Lower: 2086.836Frequency Upper: 2086.964(Please specify additional frequencies in an attachment) | | | | |

TYPE OF STATION

PURPOSE OF MODIFICATION



ENVIRONMENTAL POLICY

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental impact as defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 C.F.R. 1.1308 and 1.1311, as an exhibit to this application. A Radiation Hazard Study must accompany all applications for new transmitting facilities, major modifications, or major amendments.

ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeronautical en route or aeronautical fixed radio station services are not required to respond to Items 30–34.

| 29. Is the applicant a foreign government or the representative of any foreign government? | 0 | Yes | ۲ | No | | |
|---|---|-----|---|----|---|-----|
| 30. Is the applicant an alien or the representative of an alien? | 0 | Yes | 0 | No | ۲ | N/A |
| 31. Is the applicant a corporation organized under the laws of any foreign government? | 0 | Yes | 0 | No | ۲ | N/A |
| 32. Is the applicant a corporation of which more than one–fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country? | 0 | Yes | 0 | No | ۲ | N/A |

33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one–fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?

34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit an identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote.

BASIC QUALIFICATIONS

| 35. Does the Applicant request any waivers or exemptions from any of the Commission's Rules? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents. | O Yes | ● No |
|--|-------|------|
| 36. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explination of circumstances. | O Yes | |

O Yes O No ⊚ N/A

| 37. Has the applicant, or any party to this application or amendment, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explination of circumstances. | O Yes | ● No |
|--|-------|------|
| 38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of circumstances | O Yes | ● No |
| 39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceding two items? If yes, attach as an exhinit, an explanation of the circumstances. | • Yes | O No |
| 40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, address, and citizenship of those stockholders owning a record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer. | | |

41. 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.

42a. Does the applicant intend to use a non–U.S. licensed satellite to provide service in the United States? If Yes, answer 42b and attach an exhibit providing the information specified in 47 C.F.R. 25.137, as appropriate. If No, proceed to question 43.



Yes

O No

42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administration has coordinated or is in the process of coordinating the space station?

43. Description. (Summarize the nature of the application and the services to be provided). (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

Application to modify the authority granted on December 18, 2020 in FCC File No. SAT-LOA-20200511-00042 with respect to launch of XR-1, the initial satellite in the R2 Space network. R2 Space seeks authority to shift by 0.1 MHz the center frequency of its S-band telecommand uplink to match the band specified in the ITU API filed shortly after

Explanatory Stmt

| 43a. Geographic Service Rule Certification By selecting A, the undersigned certifies that the applicant is not subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25. | ● A |
|--|-----------------------|
| By selecting B, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will comply with such requirements. | О ^В |
| By selecting C, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will not comply with such requirements because it is not feasible as a technical matter to do so, or that, while technically feasible, such services would require so many compromises in satellite design and operation as to make it economically unreasonable. A narrative description and technical analysis demonstrating this claim are attached. | O C |

CERTIFICATION

The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.

| 44. Applicant is a (an): (Choose the button next to applicable response.) | | | | |
|---|--|--|--|--|
| O Individual | | | | |
| O Unincorporated Association | | | | |
| • Partnership | | | | |
| • Corporation | | | | |
| • Governmental Entity | | | | |
| • Other (please specify) | | | | |
| | | | | |
| 45. Name of Person Signing | 46. Title of Person Signing | | | |
| Ryan Farris | CFO | | | |
| > | | | | |
| | ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT EVOCATION OF ANY STATION AUTHORIZATION FORFEITURE (U.S. Code, Title 47, Section 503). | | | |

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104–13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

43. Description. (Summarize the nature of the application and the services to be provided).

Application to modify the authority granted on December 18, 2020 in FCC File No. SAT-LOA-20200511-00042 with respect to launch of XR-1, the initial satellite in the R2 Space network. R2 Space seeks authority to shift by 0.1 MHz the center frequency of its S-band telecommand uplink to match the band specified in the ITU API filed shortly after licensing. Given the very limited nature of this requested modification, no updated Schedule S is provided.