

**** granted in part / dismissed in part ****



File # SAT-STA-20210401-00044

Call Sign S3080 Grant Date July 15, 2021
(or other identifier)

Approved by OMB
3060-0678

Term Dates

From July 15, 2021 To: period of 30 days

Approved: Merissa L. Velez
Merissa L. Velez
Chief, Satellite Policy Branch.

Date & Time Filed: Apr 1 2021 8:20:13:293PM
File Number: SAT-STA-20210401-00044
Callsign:

FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY

FOR OFFICIAL USE ONLY

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:

Capella 5/6 Calibration STA (Space Segment)

1. Applicant

Name: Capella Space Corp.

Phone Number: 415-481-4727

DBA Name:

Fax Number:

Street: 438 Shotwell St.

E-Mail:

City: San Francisco

State: CA

Country: USA

Zipcode: 94110

Attention: Mr Daniel J Connors Jr.

ATTACHMENT TO GRANT
Capella Space Corp.
IBFS File No. SAT-STA-20210401-00044

IBFS File No(s):	SAT-STA-20210401-00044	GRANTED IN PART/DISMISSED IN PART With Conditions  International Bureau Satellite Division
Licensee/Grantee:	Capella Space Corp.	
Call Sign:	S3080	
Satellite Name:	Capella-6	
Orbital Location: (required station-keeping tolerance)	Non-geostationary satellite orbit (NGSO), (575 km (± 25 km) altitude, at an inclination of 53 degrees (± 2 degrees))	
Administration:	United States of America	
Nature of Service:	Earth Exploration Satellite Service (EESS)	
Scope of Grant:	Special temporary authority for a period of up to 30 days ¹ for the Capella-6 ² satellite to operate with a single earth station ³ in the 9400-9900 MHz frequency band (Earth-to-space) in order to radiometrically calibrate radar measurements ⁴	
Service Area(s):	N/A	
Frequencies:	9400–9900 MHz	
Unless otherwise specified herein, 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. All operations under this grant of special temporary authority must be on an unprotected and non-harmful interference basis, i.e., Capella must not cause harmful interference to, and must not claim protection from interference caused to it by, any other lawfully operating station. 2. In the event of any harmful interference under this grant of special temporary authority, Capella must cease operations immediately upon notification of such interference and must inform the Commission, in writing, immediately of such an event. 3. Capella’s operations of Capella-6 under this grant of special temporary authority must be limited to testing and must not include the provision of commercial services. 4. Other than reception from a single earth station specified in the 9400-9900 MHz frequency band, operations of Capella-6 must comport with the terms and conditions of the authorization granted on May 4, 2021. See IBFS File No. SAT-LOA-20210119-00012.		

¹ See Letter from Paul Caritj, Counsel for Capella Space Corp. to Marlene H. Dortch, Secretary, FCC (filed Apr. 8, 2021) (STA Duration Letter) (specifying that the request is for a period not to exceed 30 days). Operations with the Capella-6 satellite pursuant to this grant must also conform to any associated earth station authorizations. See IBFS File No. SES-STA-20210316-00513 (authorizing the associated earth station to communicate with Capella-5 and Capella-6 through August 7, 2021).

² Capella-5 and Capella-6 were licensed on May 4, 2021. SAT-LOA-20210119-00012. The instant request for special temporary authority originally included the Capella-5 satellite, but due to a technical issue with Capella-5, its launch was delayed, and Capella filed a modification to reflect revised orbital parameters for Capella-5. SAT-MOD-20210512-00067, granted June 15, 2021. That grant included authority for Capella-5 for calibration testing, thus we dismiss the Capella-5 portion of the instant request as moot.

³ See IBFS File No. SES-STA-20210316-00513.

⁴ This signal will consist of a calibrated continuous-wave (CW) tone, tuned to the frequency of the Capella-6 radars, which will be transmitted by an experimental ground-based system in the direction of the spacecraft as it passes overhead. See Capella Space Corp., Narrative. The power received by each spacecraft's radar receiver will be used to radiometrically calibrate radar measurements. *Id.*

ATTACHMENT TO GRANT
Capella Space Corp.
IBFS File No. SAT-STA-20210401-00044

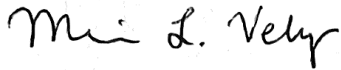
Licensee/grantee is afforded thirty (30) days from the date of release of this action to decline the grant as conditioned. Failure to respond within this period will constitute formal acceptance of the grant as conditioned.

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:	July 15, 2021	
Term Dates	From: July 15, 2021	To: period of 30 days

Approved:



Merissa L. Velez
Chief, Satellite Policy Branch

2. Contact	
Name: Dan Connors Company: Capella Space Corp. Street: 438 Shotwell St. City: San Francisco Country: USA Attention:	Phone Number: 703−962−0364 Fax Number: E-Mail: dan.connors@capellaspace.com State: CA Zipcode: 94110 – 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 SATLOA2021011900012 or Submission ID	
4a. Is a fee submitted with this application? ☒ If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114). ☐ Governmental Entity ☐ Noncommercial educational licensee ☐ Other (please explain):	
4b. Fee Classification CXW – Space Station (Non-Geostationary)	
5. Type Request ☐ Change Station Location ☐ Extend Expiration Date ☒ 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.)

Capella Space Corp. requests Special Temporary Authority to receive transmissions from an experimental ground-based system for calibrating the Capella synthetic aperture radar system on orbit following deployment of the radar in space. The experimental earth station transmissions are the subject of a separate earth-station STA request with file number

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
Daniel J. Connors

11. Title of Person Signing
General Counsel

12. Please supply any need attachments.

Attachment 1: Narrative

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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8. Description

Capella Space Corp. requests Special Temporary Authority to receive transmissions from an experimental ground-based system for calibrating the Capella synthetic aperture radar system on orbit following deployment of the radar in space. The experimental earth station transmissions are the subject of a separate earth-station STA request with file number SES-STA-20210316-00513. The subject satellites are those described in the satellite space station application with file number SAT-LOA-20210119-00012. See attachment.