



* with conditions

File # SAT-STA-20210401-00040

Call Sign S2348 Grant Date April 22, 2021
(or other identifier)

Approved by OMB
3060-0678

Term Dates
From April 22, 2021 To: period of 30 days

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

Date & Time Filed: Apr 1 2021 10:02:05:733AM
File Number: SAT-STA-20210401-00040
Callsign:

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:
30-day STA to Relocate WV-4 (S2348) to 100-400 km

I. Applicant

| | | | |
|-------------------|----------------------|----------------------|-----------------------|
| Name: | Maxar License Inc. | Phone Number: | 303-682-1390 |
| DBA Name: | | Fax Number: | 303-684-1390 |
| Street: | 1300 W. 120th Avenue | E-Mail: | libby.smith@maxar.com |
| City: | Westminster | State: | CO |
| Country: | USA | Zipcode: | 80234 - |
| Attention: | Ms Libby Smith | | |

ATTACHMENT TO GRANT
Maxar License Inc.
IBFS File No. SAT-STA-20210401-00040

| | | |
|---|---|---|
| IBFS File No(s): | SAT-STA-20210401-00040 | <p>GRANTED – With Conditions</p>  <p>International Bureau Satellite Division</p> |
| Licensee/Grantee: | Maxar License Inc. (Maxar) ¹ | |
| Call Sign: | S2348 | |
| Satellite Name: | WorldView-4 | |
| Orbital Location: (required station-keeping tolerance) | Non-geostationary orbit (NGSO) (<i>see</i> Scope of Grant below) | |
| Administration: | United States of America | |
| Nature of Service: | Earth Exploration Satellite Service (EESS) | |
| Scope of Grant: | Special temporary authority for a period of 30 days to conduct telemetry, tracking, and command (TT&C) and EESS operations with the WorldView-4 space station at an altitude between 100 kilometers and 400 kilometers. | |
| Service Area(s): | Global <i>See</i> IBFS File Nos. SAT-MOD-20160408-00033, Exhibit 43 at 4; SAT-MOD-20120427-00079, Technical Annex at TA-15. | |
| Frequencies: | 8025-8400 MHz (data downlinks) Telemetry and Tracking: 120 kHz channel centered on 8386 MHz Receive Command: 64 kHz channel centered on 2052 MHz. | |
| <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. Operations pursuant to this special authority must be on an unprotected and non-harmful interference basis, i.e., the WorldView-4 space station must not cause harmful interference to, and Maxar must not claim protection from interference caused to it by any other lawfully operating station. In the event of any harmful interference, Maxar must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event. 2. Maxar must operate the WorldView-4 space station at altitudes between 100 kilometers and 400 kilometers with the lowest power required to complete the communications links. At no time may the power flux-density from operation of the WorldView-4 space station in the 8025-8400 MHz band exceed the limits in No. 22.5 or Table 21-4 of the International Telecommunication Union’s Radio Regulations or the limits in ITU-R Recommendation SA-1157. 3. Because Maxar must comply with the technical requirements in Part 2 of the Commission’s rules and the above-referenced power flux-density limits, which should prevent harmful interference to other operators in the band, we previously granted a waiver of the default service rules in 47 CFR § 25.217(b). <i>See DigitalGlobe, Inc.</i>, Order and Authorization, 20 FCC Rcd 15696,15701 (Int’l Bur. 2005). 4. Upon receipt of a conjunction warning from the 18th Space Control Squadron or other source, Maxar must review and take all possible steps to assess the collision risk, and mitigate collision risk if necessary. As appropriate, steps to assess and mitigate should include, but are not limited to: contacting the operator of any active spacecraft involved in such warning; sharing ephemeris data and other appropriate operational information with any such operator; and modifying spacecraft attitude and/or operations. | | |

¹ This applicant was formerly known as DG Consents Sub, Inc. *See* Letter from Henry Gola, Counsel to Maxar, to Marlene Dortch, Secretary, FCC (filed Jan. 6, 2021).

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5. Transmissions of remote-sensing and telemetry data in the 8025-8400 MHz frequency band may only be made to earth stations coordinated with the National Aeronautics and Space Administration (NASA). In the event of any changes to the list of coordinated earth stations previously provided by Maxar, *see* IBFS File No. SAT-STA-20190816-00077, Notice of Coordination, Earth Stations (filed March 16, 2020), Maxar shall provide the FCC with an updated list of coordinated earth stations within ten business days of the change.
6. Operations pursuant to this authorization must not cause harmful interference to stations operating in the 2025-2110 MHz band in accordance with the U.S. Table of Frequency Allocations. *See* 47 CFR § 2.106, Footnote US347.
7. Nothing in this authorization extends the license term for WorldView-4 (Call Sign S2348), which expires on Sept. 5, 2023. *See* IBFS File No. SAT-MOD-20050511-00097.


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: | April 22, 2021 | |
| Term Dates | From: April 22, 2021 | To: period of 30 days |

Approved:



Merissa L. Velez
Chief, Satellite Policy Branch

2. Contact

| | | | |
|-------------------|----------------|----------------------|-----------------|
| Name: | Henry Gola | Phone Number: | 202-719-7561 |
| Company: | Wiley Rein LLP | Fax Number: | 202-719-7049 |
| Street: | 1776 K St. NW | E-Mail: | hgola@wiley.law |
| City: | Washington | State: | DC |
| Country: | USA | Zipcode: | 20006 - |
| 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 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.)

Maxar License Inc. requests special temporary authority for 30 days to relocate and operate WorldView-4 (S2348) at orbital altitudes between 100 and 400 km.

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
Libby Smith

11. Title of Person Signing
Senior Manager and Technology Control Officer

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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