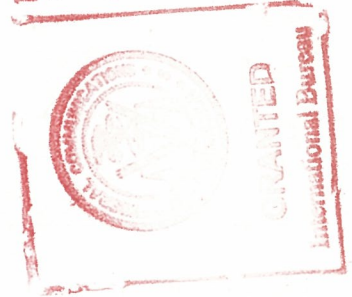


APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA Request for Wyoming Earth Station (July 2014)

I. Applicant

Name:	DG Consents Sub, Inc.	Phone Number:	703-480-6338
DBA Name:		Fax Number:	703-480-8174
Street:	2325 Dulles Corner Boulevard	E-Mail:	demitrius.anthony@digitalglobe.com
City:	Herdon	State:	VA
Country:	USA	Zipcode:	20171
Attention:	Mr Demitrius M Anthony		



File # SES-STA-20140717-00605
Call Sign 20070 Grant Date 8-12-14
(or other identifier) Term Dates
From 8-13-14 To 10-12-14
Approved: [Signature]

Applicant: DG Consents Sub, Inc.
File No.: SES-STA-20140717-00605
Call Sign: E120040

DG Consents Sub, Inc. is granted special temporary authority, with conditions, to operate its Rock Springs, WY, fixed earth station (call sign E120040) with the WorldView-3 (S2129) NGSO satellite from August 13, 2014, for 60 days.

The conditions of the grant are:

1. DG Consents Sub, Inc. shall limit emissions to 1M32G1D, 51.8 dBW per carrier on the center frequency 2085.6875 MHz.
2. DG Consents Sub, Inc. must monitor the International Space Station (ISS) ground track via <http://spaceflight.nasa.gov/realdata/tracking/> and may not operate the uplink when the Rock Springs site is within the ISS visibility footprint (i.e. the red circle). Specific times/dates are available at <http://spotthestation.nasa.gov/sightings/index.cfm> by selecting Rock Springs, WY, USA as the location.
3. DG Consents Sub, Inc. must provide a stop buzzer POC for the Rock Springs site to NASA at steven.f.schindler@nasa.gov.
4. All operations shall be on an unprotected, non-interference basis to government operations. In the event of any harmful interference, cease operations immediately and inform the Commission, in writing, immediately.
5. Grant of this authorization is without prejudice to any determination that the Commission may make regarding any DG Consents Sub, Inc. applications.
6. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at DG Consents Sub, Inc.'s risk.
7. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. §0.261, and is effective immediately.



File # SES-STA-20140717-00605
Call Sign E120040 Grant Date 8-12-14
(or other identifier)
Term Dates
From 8-13-14 To 10-12-14
Approver's [Signature]

2. Contact	
Name: Philip A. Bonomo	Phone Number: 202-416-6773
Company: Lerman Senter PLLC	Fax Number: 202-293-7783
Street: 2000 K Street, NW Suite 600	E-Mail: phonomo@lermansenter.com
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 IB2014001467	
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 CGX – Fixed Satellite Transmit/Receive Earth Station	
5. Type Request	
<input checked="" type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input type="radio"/> Other	
6. Requested Use Prior Date 08/09/2014	
7. City/Rock Springs	
8. Latitude (dd mm ss.s h) 41 32 12.0 N	

9. State WY	10. Longitude (dd mm ss.h) 109 21 11.0 W
11. Please supply any need attachments. Attachment 1: A – Description Attachment 2: B – MOD Application Attachment 3:	
12. 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.) <div style="border: 1px solid black; padding: 5px;">Request for special temporary authority to allow communications between applicant's Rock Springs, Wyoming earth station (call sign E120040) and WorldView-3. See Attachment A.</div>	
13. 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. <p style="text-align: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></p>	
14. Name of Person Signing Yancey L. Spruill	15. Title of Person Signing Treasurer
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).	

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

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.

Description of Request for Special Temporary Authority

DG Consents Sub, Inc. (“DG Consents”) has filed an application for authority to modify its earth station authorization located in Rock Springs, Wyoming (Call Sign E120040) to, among other things, add WorldView-3 as a new Point of Communication (the “Modification Application”).¹ A reference copy of this application (IBFS Submission ID IB2014001467) is included with this request. The Modification Application remains pending before the Commission.

WorldView-3 is scheduled to be launched and placed into orbit on August 9, 2014. DigitalGlobe has a need to communicate with WorldView-3 from the Wyoming earth station immediately upon the new satellite’s placement into orbit in order to provide telecommand communication and receive satellite telemetry information at this ground station. As the Modification Application requesting authority to add WorldView-3 as a Point of Communication will not be acted upon by the Commission prior to August 9, 2014, DG Consents requests special temporary authority (“STA”) to allow its Wyoming earth station to communicate with WorldView-3 for 60 days, beginning August 9, 2014, using the TT&C and data frequencies proposed in the Modification Application.

The instant STA request is strictly limited to communications between the Wyoming earth station and WorldView-3, and does not involve any other aspect of DG Consents’ Modification Application. In addition, the STA request involves: (i) no change to the emissions that are currently authorized under the Wyoming earth station’s existing license, and (ii) frequencies have already been subject to and cleared through the frequency coordination process required as part of the Modification Application. *See* Attachment C, Temporary FCC File No. SES-MOD-INTR2014-01467, Frequency Coordination and Interference Analysis Report, dated July 15, 2014. In the unlikely event of harmful interference resulting from STA operations, DigitalGlobe will cease any communications between the Wyoming earth station and WorldView-3 that are the cause of such interference.

¹ DG Consents is a wholly owned subsidiary of DigitalGlobe, Inc. (“DigitalGlobe”). WorldView-3 is one of the satellites comprising DigitalGlobe’s fleet of Earth Exploration Satellite Service space stations. The Wyoming earth station modification application also requests authority to add DigitalGlobe’s Quickbird-1, GeoEye-1, GeoEye-2 and IKONOS space stations as new Points of Communication, and to change the earth station’s remote control location from its current site in Pennsylvania to a new site in Longmont, Colorado.

Attachment A

DG Consents Sub, Inc.
Application for STA
July 2014
Page 2 of 2

Grant of this STA request will serve the public interest by allowing DigitalGlobe to begin immediate TT&C and data communications between the Wyoming earth station and the newly operational WorldView-3 following its launch on August 9, 2014. In summary, and on the basis of the information provided herein and in Temporary FCC File No. SES-MOD-INTR2014-01467, DG Consents requests special temporary authority to communicate between its Wyoming earth station and WorldView-3 for a period of 60 days commencing on August 9, 2014.

Date & Time Filed: Jul 17 2014 2:44:55:740PM
File Number: SES-MOD-INTR2014-01467

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:
Wyoming Earth Station Modification (July 2014)

1-8. Legal Name of Applicant			
Name:	DG Consents Sub, Inc.	Phone Number:	703-480-6338
DBA Name:		Fax Number:	703-480-8174
Street:	2325 Dulles Corner Boulevard	E-Mail:	demitrius.anthony@digitalglobe.com
City:	Herdon	State:	VA
Country:	USA	Zipcode:	20171 -
Attention: Mr Demitrius M Anthony			

9-16. Name of Contact Representative			
Name:	Philip A. Bonomo	Phone Number:	202-416-6773
Company:	Lerman Senter PLLC	Fax Number:	202-293-7783
Street:	2000 K Street, NW Suite 600	E-Mail:	pbonomo@lermansenter.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20006-
Attention:		Relationship:	Legal Counsel

CLASSIFICATION OF FILING

<p>17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b.</p> <p><input checked="" type="radio"/> a1. Earth Station <input type="radio"/> a2. Space Station</p>	<p>(N/A) b1. Application for License of New Station (N/A) b2. Application for Registration of New Domestic Receive-Only Station <input type="radio"/> b3. Amendment to a Pending Application <input checked="" type="radio"/> b4. Modification of License or Registration b5. Assignment of License or Registration b6. Transfer of Control of License or Registration <input type="radio"/> 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.</p>
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<p>17c. Is a fee submitted with this application? <input checked="" type="radio"/> If Yes, complete and attach FCC Form 159.</p> <p>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):</p>

<p>17d. Fee Classification CGX - Fixed Satellite Transmit/Receive Earth Station</p>

18. If this filing is in reference to an existing station, enter:

(a) Call sign of station:
E120040

19. If this filing is an amendment to a pending application enter both fields, if this filing is a modification please enter only the file number:

(a) Date pending application was filed:

(b) File number:

SESLIC2012022700218

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 only one.

Common Carrier Non-Common Carrier

22. If earth station applicant, check all that apply.

- Using U.S. licensed satellites
- 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 Not connected to a Public Switched Network 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: 2042 Frequency Upper: 8400 (Please specify additional frequencies in an attachment)

TYPE OF STATION

25. CLASS OF STATION: Choose the button next to the class of station that applies. Choose only one.

- a. Fixed Earth Station
- b. Temporary-Fixed Earth Station
- c. 12/14 GHz VSAT Network
- d. Mobile Earth Station
- e. Geostationary Space Station
- f. Non-Geostationary Space Station
- g. Other (please specify)

26. TYPE OF EARTH STATION FACILITY:

Transmit/Receive Transmit-Only Receive-Only N/A

"For Space Station applications, select N/A."

PURPOSE OF MODIFICATION

27. The purpose of this proposed modification is to: (Place an 'X' in the box(es) next to all that apply.)

- a -- authorization to add new emission designator and related service
- b -- authorization to change emission designator and related service
- c -- authorization to increase EIRP and EIRP density
- d -- authorization to replace antenna
- e -- authorization to add antenna
- f -- authorization to relocate fixed station
- g -- authorization to change frequency(ies)
- h -- authorization to add frequency
- i -- authorization to add Points of Communication (satellites & countries)
- j -- authorization to change Points of Communication (satellites & countries)
- k -- authorization for facilities for which environmental assessment and radiation hazard reporting is required
- l -- authorization to change orbit location
- m -- authorization to perform fleet management

- n -- authorization to extend milestones
 o -- Other (Please specify)

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. Yes No

B - RadHaz

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? Yes No

30. Is the applicant an alien or the representative of an alien? Yes No N/A

31. Is the applicant a corporation organized under the laws of any foreign government? Yes No 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? Yes No 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? Yes No N/A

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? Yes No
 If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.

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 explanation of circumstances. Yes No

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 explanation of circumstances. 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 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 exhibit, an explanation of the circumstances. Yes 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.* Yes No

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 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). Applicant seeks authority to add new Points of Communication, new frequencies and emissions, to increase EIRP and EIRP density, and to change the location of the remote control

point. See Attachment A.A - Description

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. B

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. C

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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.)

- Individual
- Unincorporated Association
- Partnership
- Corporation
- Governmental Entity
- Other (please specify)

45. Name of Person Signing
Yancey L. Spruill

46. Title of Person Signing
Treasurer

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).

**SATELLITE EARTH STATION AUTHORIZATIONS
FCC Form 312 - Schedule B:(Technical and Operational Description)**

FOR OFFICIAL USE ONLY

Location of Earth Station Site

E1. Site Identifier:	Wyoming ES	E5. Call Sign:	E120040
E2. Contact Name	Remote Control Point	E6. Phone Number:	303-684-4587
E3. Street:	213 Purple Sage Road	E7. City:	Rock Springs
E4. State	WY	E8. County:	Sweetwater
E10. Area of Operation:		E9. Zip Code	82901
E11. Latitude:	41 ° 32 ' 12.0 " N		
E12. Longitude:	109 ° 21 ' 11.0 " W		
E13. Lat/Lon Coordinates are:	<input type="radio"/> NAD-27	<input checked="" type="radio"/> NAD-83	<input type="radio"/> N/A
E14. Site Elevation (AMSL):	1889.76 meters		

E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide as a technical analysis showing compliance with two-degree spacing policy.	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
E16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurements?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	<input checked="" type="radio"/> Yes <input type="radio"/> No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as C - Coordination	<input checked="" type="radio"/> Yes <input type="radio"/> No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	<input type="radio"/> Yes <input checked="" type="radio"/> No
E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.	<input type="radio"/> Yes <input checked="" type="radio"/> No

POINTS OF COMMUNICATION

Satellite Name:GeoEye 1 GeoEye 1 NGSO If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:
Satellite Name:OTHER OTHER If you selected OTHER, please enter the following:	
E21. Common Name: WORLDVIEW-3	E22. ITU Name:
E23. Orbit Location: NGSO	E24. Country: USA
Satellite Name:QUICKBIRD 1 USASAT 30A NGSO If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:
Satellite Name:OTHER OTHER If you selected OTHER, please enter the following:	
E21. Common Name: IKONOS	E22. ITU Name:
E23. Orbit Location: NGSO	E24. Country: USA
Satellite Name:GeoEye 2 GeoEye 2 NGSO If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

POINTS OF COMMUNICATION (Destination Points)

E25. Site Identifier:	
E26. Common Name:	E27. Country:

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve(____dBi at ____GHz)
Wyoming ES	1	1	ViaSat	3420	7.3	41.0 dBi at 2.085
Wyoming ES	1	1	ViaSat	3420	7.3	53.5 dBi at 8.200

E28. Antenna	E33/34. Diameter	E35. Above Ground	E36. Above Sea	E37. Building Height Above	E38. Total Input Power	E39. Maximum Antenna Height	E40. Total EIRP for al
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Id	Minor/Major(meters)	Level(meters)	Level(meters)	Ground Level(meters)	at antenna flange(Watts)	Above Rooftop(meters)	carriers(dBW)
1	0.0/0.0	5.0	1894.0	0.0	12.0	0.0	51.8

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands(MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)
1	8025.0000 8345.0000	R	Right Hand Circular	320MG7D	0.0	0.0
E50. Modulation and Services QPSK, Data						
1	8025.0000 8375.0000	R	Left and Right Circular	350MG7D	0.0	0.0
E50. Modulation and Services QPSK, Data						
1	8025.0000 8395.0000	R	Left and Right Circular	370MG7D	0.0	0.0
E50. Modulation and Services QPSK, Data						
1	8025.0000 8400.0000	R	Left and Right Circular	375MG7D	0.0	0.0
E50. Modulation and Services QPSK, Data						
1	8135.0000 8285.0000	R	Left and Right Circular	150MG7D	0.0	0.0
E50. Modulation and Services QPSK, Data						
1	8345.6800 8346.3200	R	Right Hand Circular	64K0G1D	0.0	0.0
E50. Modulation and Services PSK, Telemetry						
1	8393.7015 8394.2985	R	Right Hand Circular	59K7G1D	0.0	0.0
E50. Modulation and Services QPSK, Telemetry						
1	8377.1000 8382.9000	R	Left Hand Circular	5M80G7D	0.0	0.0
E50. Modulation and Services Digital Telemetry (TT&C)						
1	8028.0000 8032.0000	R	Right Hand Circular	4M00G7D	0.0	0.0
E50. Modulation and Services QPSK, Data						
1	2041.6600 2042.3400	T	Right Hand Circular	68K0G2D	61.0	61.0
E50. Modulation and Services BPSK (TT&C)						
1	2051.3400 2052.6600	T	Right Hand Circular	1M32G1D	61.0	49.0
E50. Modulation and Services BPSK (TT&C)						
1	2051.6600 2052.3400	T	Right Hand Circular	68K0G2D	61.0	61.0
E50. Modulation and Services BPSK (TT&C)						
1	2085.0275 2086.3475	T	Right Hand Circular	1M32G1S	61.0	49.0
E50. Modulation and Services BPSK (TT&C)						
1	2091.9400	T	Right Hand Circular	1M32G1D	61.0	49.0

	2093.2600					
E50. Modulation and Services BPSK (TT&C)						
1	2042.0000 2042.0000	T	Right Hand Circular	NON	61.0	61.0
E50. Modulation and Services Unmodulated Carrier						
1	2052.0000 2052.0000	T	Right Hand Circular	NON	61.0	61.0
E50. Modulation and Services Unmodulated Carrier						
1	2092.6000 2092.6000	T	Right Hand Circular	NON	61.0	61.0
E50. Modulation and Services Unmodulated Carrier						

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits (MHz)	E54/55. Range of Satellite Arc Eastern/Western Limit	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
1	Non-Geostationary	8025.0000 8400.0000	0.0/0.0	0.0	5.0	360.0	5.0	0.0
	Non-Geostationary	0000.0000 0000.0000	0.0/0.0	0.0	0.0	0.0	0.0	0.0
	Non-Geostationary	2041.6600 2093.2600	0.0/0.0	0.0	5.0	360.0	5.0	-4.3

REMOTE CONTROL POINT LOCATION

E61. Call Sign NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.		E66. Phone Number 303-684-4587	
E62. Street Address 1601 Dry Creek Drive Suite 260			
E63. City Longmont	E68. County Boulder		E67/68. State/Country CO/ USA
			E64. Zip Code 80503

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PER, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember - You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

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.

Description of Request

With this application, DG Consents Sub, Inc. (“DG Consents”) requests modification of its earth station located in Rock Springs, Wyoming (Call Sign E120040) in two respects.

First, DG Consents seeks to modify its authority to permit communications with its Quickbird-1, GeoEye-1, GeoEye-2 and IKONOS space stations. The frequencies requested in the attached FCC Form 312, Schedule B will be added to the frequencies already authorized for operations from Rock Springs. In addition, the Rock Springs earth station will continue to be used to communicate with other satellites comprising DG Consents’ Earth Exploration Satellite Service (“EESS”) system (i.e., WorldView-1 and WorldView-2), as well as with the WorldView-3 satellite authorized for addition to DG Consents’ fleet of EESS space stations. *See* FCC File No. SAT-MOD-20120710-00111 (granted Jan. 24, 2013).

Second, DG Consents seeks to modify its authority to change the Rock Spring earth station’s remote control location from the current site in Horsham, Pennsylvania, to the new site in Longmont, Colorado, as detailed in Schedule B to this application.

RADIATION HAZARD STUDY

DIGITALGLOBE, ROCK SPRINGS EARTH STATION

When applying for a license to construct and operate, modify, or renew an earth station, it is understood that licensees must certify whether grant of the application will have significant environmental impact as defined in the Federal Communications Commission's (FCC) rules, 47 C.F.R., Section 1.1307.

In this report DigitalGlobe, Inc. analyzes the maximum radiofrequency (RF) levels emitted from the satellite communications antenna described below. The reference document for this study is OET Bulletin No. 65, Edition 97-01, Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields, August 1997.

ANTENNA NEAR-FIELD POWER DENSITY CALCULATION

The extent of the near-field is defined by the following equation:

$$R_{\text{near}} = (D_{\text{ant}})^2 / (4 \lambda)$$

where: R_{near} = extent of the near-field (in meters)

D_{ant} = diameter of the antenna main reflector (in meters)

λ = wavelength of the RF transmit frequency (in meters)

The maximum on-axis power density within near-field is defined by the following equation:

$$S_{\text{near}} = \{(16 \eta P_{\text{feed}}) / [\pi (D_{\text{ant}})^2]\} / 10$$

where: S_{near} = maximum on-axis power density within the near-field (in milliwatts per square centimeter)

η = antenna aperture efficiency

P_{feed} = maximum power into antenna feed flange (in watts)

D_{ant} = diameter of the antenna main reflector (in meters)

ANTENNA FAR-FIELD POWER DENSITY CALCULATION

The distance to the beginning of the far-field region is defined by the following equation:

$$R_{\text{far}} = [0.6(D_{\text{ant}})^2] / \lambda$$

where: R_{far} = distance to beginning of far-field (in meters)

D_{ant} = diameter of the antenna main reflector (in meters)

λ = wavelength of the RF transmit frequency in (meters)

The maximum on-axis power density within the far-field is defined by the following equation:

$$S_{far} = [(P_{feed} G_{ant}) / 4 \pi (R_{far})^2] / 10$$

where: S_{far} = maximum on-axis power density in the far-field (in milliwatts per square centimeter)
 P_{feed} = maximum power into antenna feed flange (in watts)
 G_{ant} = antenna main beam gain at RF transmit frequency (in watts)
 R_{far} = distance to beginning of far-field (in meters)

ANTENNA TRANSITION REGION POWER DENSITY CALCULATION

By definition, the maximum on-axis power density in the transition region will never be greater than the maximum on-axis power densities in the near-field:

$$S_{tr} \leq S_{near}$$

where: S_{tr} = maximum on-axis power density in the transition region (in milliwatts per square centimeter)
 S_{near} = maximum on-axis power density in the near-field (in milliwatts per square centimeter)

ANTENNA FEED-FLANGE (OR SUBREFLECTOR) POWER DENSITY CALCULATION

The maximum power density at the antenna feed-flange (or subreflector surface) is defined by the following equation:

$$S_{feed(sub)} = 1000 \{ [2(P_{feed})] / \{ [\pi (D_{feed(sub)})^2] / 4 \} \}$$

where: $S_{feed(sub)}$ = maximum power density at the antenna feed-flange or subreflector surface (in milliwatts per square centimeter)
 P_{feed} = maximum power into antenna feed flange (in watts)
 $D_{feed(sub)}$ = diameter of the antenna feed-flange or subreflector (in centimeters)

ANTENNA MAIN REFLECTOR POWER DENSITY CALCULATION

The maximum power density in the main reflector region of the antenna is defined by the following equation:

$$S_{ant} = \{ [2(P_{feed})] / \{ [\pi (D_{ant})^2] / 4 \} \} / 10$$

where: S_{ant} = maximum power density in the antenna main reflector region (in milliwatts per square centimeter)
 P_{feed} = maximum power into antenna feed flange (in watts)
 D_{ant} = diameter of the antenna main reflector (in meters)

POWER DENSITY CALCULATION BETWEEN THE ANTENNA MAIN REFLECTOR AND THE GROUND

The maximum power density between the antenna main reflector and the ground is defined by the following equation:

$$S_{\text{ground}} = \{P_{\text{feed}} / \{[\pi (D_{\text{ant}})^2] / 4\}\} / 10$$

where: S_{ground} = maximum power density between the antenna main reflector and the ground (in milliwatts per square centimeter)

P_{feed} = maximum power into antenna feed flange (in watts)

D_{ant} = diameter of the antenna main reflector (in meters)

SUMMARY OF CALCULATED RADIATION LEVELS

DigitalGlobe, Inc. understands the licensee must ensure people are not exposed to harmful levels of radiation.

Maximum permissible exposure (MPE) limits for general population/uncontrolled exposure were not considered in this analysis for several reasons. The main-beam height above ground, minimum 5 degree elevation above horizon transmit inhibit mask and tracking motion of this highly directional antenna significantly limit exposure to the general population. Furthermore, access to DigitalGlobe earth stations is limited to authorized personnel who have been appropriately briefed and advised.

MPE limits for occupational/controlled exposure, however, were considered in this analysis. It is standard practice for our technical staff to cease transmissions whenever maintenance is performed in close proximity to antenna reflector regions with potentially hazardous power density levels. Based on the results (see attached page entitled "Radiation Hazard Calculations") and our standard practices within our controlled antenna environment, the earth station operators / technicians should not be exposed to radiation levels exceeding 5 mW/cm² power density over a six minute averaging time.

CERTIFICATION

I hereby certify that I am the technically qualified person responsible for preparation of the engineering information contained in this radiation hazard assessment, that I have reviewed the engineering information submitted, and that it is complete and accurate to the best of my knowledge.



David D. Greenidge
Mgr. Remote Ground Systems
DigitalGlobe, Inc.

Radiation Hazard Calculations

DigitalGlobe Rock Springs Wyoming Earth Station

Antenna Diameter	7.3	m
Feed-Flange or subreflector diameter	8.25	cm
Transmit Frequency	2025	Mhz
Maximum power into antenna feed-flange (watts)	100	W
Antenna Gain	41	dBi
Antenna aperture efficiency	0.55	
Maximum power into antenna feed (dBm)	50.00	dBm
EIRP (dBm)	91.00	dBm
EIRP (watts)	1258925.41	W
Wave length	0.15	m
Near field extent	89.93	m
Beginning of far field	215.82	m

Maximum on-axis power density far field	0.22	mW/cm ²	Satisfies MPE Limits
Maximum on-axis power density near field	0.53	mW/cm ²	Satisfies MPE Limits
Maximum on-axis power density transition region	0.53	mW/cm ²	Satisfies MPE Limits
Maximum power density feed-flange	3741.38	mW/cm ²	Potential Hazard
Maximum power density main reflector region	0.48	mW/cm ²	Satisfies MPE Limits
Maximum power density between main reflector and ground	0.24	mW/cm ²	Satisfies MPE Limits

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for

**DG Consents Sub, Inc.
Rock Springs, Wyoming**

Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, Virginia 20147
July 15, 2014

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4. EARTH STATION COORDINATION DATA.....	9
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1. CONCLUSIONS

An interference study considering all existing, proposed and prior coordinated microwave facilities within the coordination contours of the proposed earth station demonstrates that this site will operate satisfactorily with the common carrier microwave environment. Further, there will be no restrictions of its operation due to interference considerations.

2. SUMMARY OF RESULTS

A number of great circle interference cases were identified during the interference study of the proposed earth station. Each of the cases, which exceeded the interference objective on a line-of-sight basis, was profiled and the propagation losses estimated using NBS TN101 (Revised) techniques. The losses were found to be sufficient to reduce the signal levels to acceptable magnitudes in every case.

The following companies reported potential great circle interference conflicts that did not meet the objectives on a line-of-sight basis. When over-the-horizon losses are considered on the interfering paths, sufficient blockage exists to negate harmful interference from occurring with the proposed transmit-only earth station.

Company

None

No carriers reported potential interference cases.

3. SUPPLEMENTAL SHOWING

Pursuant to Part 25.203(c) of the FCC Rules and Regulations, the satellite earth station proposed in this application was coordinated by Comsearch using computer techniques and in accordance with Part 25 of the FCC Rules and Regulations.

Coordination data for this earth station was emailed and sent to the below listed carriers with a letter dated May 14, 2014.

Company

3G Wireless, LLC
AERIAL VIDEO SYSTEMS
AIRWAVES, INC
America's Cup Event Authority, LLC
AT&T California
Alascom Inc
Ascent Media Network Services, LLC
Bellsouth Telecommunications, Inc.
Bonneville Holding Company
Bonneville International Corporation
Borgeson, Tom R.
Brigham Young University
Broadcast Sports Inc.
CBS Television Stations
CENTRAL WYOMING COLLEGE/PUBLIC TELEVISIO
CNG Communications, Inc.
Carolina Telephone and Telegraph Co
Casper, John
CenturyTel of the Southwest, Inc.
Chicago Comnet Corp
Cincinnati Bell Wireless LLC
Circuit of the Americas, LLC
Citywide News Network, Inc.
Cohen, Elana
Compass Communications of Idaho, Inc.
Cowboys Stadium LP
CP Communications, LLC
DCI II, INC.
Direct Broadcast Services, Inc.
Entravision Holdings, LLC
Excalibur Grand Junction LLC
Express Lane Traffic LLC
Fishman Brothers Enterprises
GOODYEAR TIRE AND RUBBER COMPANY
GRAY TELEVISION LICENSEE, INC. (KKCO)

Company (Continued)

GSN New, Inc
Global Microwave Systems Inc
Gray Television Licensee LLC (Gray TV)
Gray Television Licensee, LLC
HF Enterprises, Inc
Hallco Unlimited, Inc.
Hawaiian Telcom, Inc.
Heiden, William
IRON COUNTY UTAH
Idaho Broadcast Partners, LLC
Illinois Bell Telephone Company
Indiana Bell Telephone Company
Information & Display Systems, Inc.
Information Super Station, LLC
International Communications Group, Inc.
KRCA License LLC
KSTU License, LLC
KUTV Licensee, LLC
Kentucky RSA #3 Cellular General Partner
Kentucky RSA #4 Cellular General Partner
Lancellotti, Inc
Loop Inc.
MERCURY COMMUNICATIONS
Metro Networks Communications, Inc.
Metrosat Communications Inc.
Michigan Bell Telephone Company
Microwave Video Systems, LLC
Mission Broadcasting, Inc.
Moreen, Steven K
Multimedia Holdings Corporation
NEW ENGLAND DIGITAL DISTRIBUTION, INC.
NEW ENGLAND SATELLITE SYSTEMS INC
NEXSTAR BROADCASTING, INC.
NPG OF IDAHO, INC.
NSM Surveillance
Navajo Communications Company
Neuhoff Family Limited Partnership
New Rushmore Radio, Inc.
NorthWest Suburbs Community Access Corp
Ohio Bell Telephone Company
On Scene Video Production
Onboard Images
Pacific Television Center
Penn Service Microwave Co., Inc.
Pikes Peak Radio, LLC
Pikes Peak Television, Inc.
Plateau Telecommunications, Inc.
Plum Media, LLC
Plum TV, LLC
Production & Satellite Services, Inc.
Public Television Communications Center

Company (Continued)

QUICK LINK CONNECTIONS INC
Qwest Corporation
RCC Minnesota Inc. - MN NE ND SD
REMOTE FACILITIES CONSULTING SERVICES
RF Central, LLC
RF Film, Inc
RF Technology, LLC
Radiofone, Inc.
Randy Hermes Production
Regulus Media Services, Inc.
Remote Broadcasts, Inc.
Rocky Mountain Public Broadcasting Netwo
Rushmore Media Company, Inc
SILVERTON BROADCASTING COMPANY, LLC
SILVERTON BROADCASTING COMPANY, LLC
Scripps Media, Inc. - KMGH TV
Southwestern Bell Telephone L.P.
Speedshotz, Inc
Steinert, Christine
Telemovil del Caribe Inc.
Total RF Marketing Inc
Tribune Broadcasting Denver License, LLC
Unisat, Inc.
United Telephone - Southeast
VERIZON SOUTH INC.
Verizon California Inc.
Verizon Maryland, Inc.
Verizon New England Inc.
Verizon New Jersey, Inc.
Verizon New York, Inc.
Verizon North Inc.
Verizon Northwest Inc.
Verizon Pennsylvania, Inc.
Verizon Virginia, Inc.
Verizon Washington DC, Inc.
Village Video Productions Inc
Vistawest Media, LLC
Vyvx, LLC
Westar Satellite Services LP
Western Technical Services
Wexler Video, Inc.
Winged Vision Inc
Wisconsin Bell, Inc.
Wolfe Air Aviation
Yellowstone Licenseco LLC

Society of Broadcast Engineers (SBE)

Utah – SLC Region (Mr. John Dehnel)
Wyoming – Entire State (Mr. Robert Spain)
Idaho - SW Region (Mr. Jeff Hoffert)
Idaho – SE Region (Mr. David Turnmire)
Idaho – So. Central Region (Mr. Thomas Lowther)
Colorado – Front Range (Mr. James Schoedler)
Colorado – Western Slope (Mr. Robert Bowe)
Nevada – Reno Region (Mr. Steve Weber)
Montana – Billings Area (Mr. Randall Rocks)

4. EARTH STATION COORDINATION DATA

This section presents the data pertinent to frequency coordination of the proposed earth station that was circulated to all carriers within its coordination contours.

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

Date: 07/15/2014
Job Number: 140514COMSJC06

Administrative Information

Status: ENGINEER PROPOSAL
Call Sign: E120040
Licensee Code: DBCONS
Licensee Name: DG Consents Sub, Inc.

Site Information

ROCK SPRINGS, WYOMING

Venue Name:
Latitude (NAD 83): 41° 32' 12.0" N
Longitude (NAD 83): 109° 21' 11.0" W
Climate Zone: A
Rain Zone: 5
Ground Elevation (AMSL): 1889.76 m / 6200.0 ft

Link Information

Satellite Type: Low Earth Orbit
Mode: TO - Transmit-Only
Modulation: Analog and Digital
Minimum Elevation Angle: 5.0°
Azimuth Range: 0.0° to 360°
Antenna Centerline (AGL): 4.88 m / 16.0 ft

Antenna Information

Manufacturer: ViaSat
Model: 3420
Gain / Diameter: 41.0 dBi / 7.3 m
3-dB / 15-dB Beamwidth: 1.54° / 2.90°

Transmit

		NON	68K0G2D	1M32G1D
Max Available RF Power	(dBW/4 kHz)	20.0	7.7	-5.2
	(dBW/MHz)	44.0	31.7	18.8
Maximum EIRP	(dBW/4 kHz)	61.0	48.7	35.8
	(dBW/MHz)	85.0	72.7	59.8
	(dBW)	61.0	61.0	61.0
Interference Objectives:	Long Term	-154.0 dBW/4 kHz	20%	
	Short Term	-131.0 dBW/4 kHz	0.0025%	

Frequency Information

Emission / Frequency Range (MHz)

Transmit 2.0 GHz

NON / 2042.0
68K0G2D / 2042.0
NON / 2052.0
68K0G2D / 2052.0
1M32G1D / 2052.0
1M32G1D / 2085.6875
NON / 2092.6
1M32G1D / 2092.6

Max Great Circle Coordination Distance: 470.8 km / 292.5 mi
Precipitation Scatter Contour Radius: 319.6 km / 198.6 mi

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147

(703)726-5500 <http://www.comsearch.com>

Coordination Values	ROCK SPRINGS, WY
Licensee Name	DG Consents Sub, Inc.
Latitude (NAD 83)	41° 32' 12.0" N
Longitude (NAD 83)	109° 21' 11.0" W
Ground Elevation (AMSL)	1889.76 m / 6200.0 ft
Antenna Centerline (AGL)	4.88 m / 16.0 ft
Antenna Model	ViaSat 3420
Antenna Mode	Transmit 2.0 GHz
Interference Objectives: Long Term	-154.0 dBW/4 kHz 20%
Short Term	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power	20.0 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 2.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	77.90	9.00	470.80
5	0.00	73.30	9.00	470.80
10	0.00	68.72	9.00	470.80
15	0.00	64.18	9.00	470.80
20	0.00	59.67	9.00	470.80
25	0.00	55.21	9.00	470.80
30	0.00	50.82	9.00	470.80
35	0.00	46.51	9.00	470.80
40	0.00	42.32	9.00	470.80
45	0.00	38.28	9.00	470.80
50	0.00	34.46	9.00	470.80
55	0.00	30.92	9.00	470.80
60	0.00	27.79	9.00	470.80
65	0.00	25.22	9.00	470.80
70	0.00	23.39	9.00	470.80
75	0.00	22.48	9.00	470.80
80	0.00	22.60	9.00	470.80
85	0.00	23.75	9.00	470.80
90	0.00	25.78	9.00	470.80
95	0.00	28.51	9.00	470.80
100	0.00	31.75	9.00	470.80
105	0.00	35.36	9.00	470.80
110	0.00	39.25	9.00	470.80
115	0.00	43.33	9.00	470.80
120	0.00	47.55	9.00	470.80
125	0.00	51.88	9.00	470.80
130	0.00	56.29	9.00	470.80
135	0.00	60.76	9.00	470.80
140	0.00	65.28	9.00	470.80
145	0.00	69.84	9.00	470.80
150	0.00	74.42	9.00	470.80
155	0.00	79.02	9.00	470.80
160	0.00	83.63	9.00	470.80
165	0.00	88.25	9.00	470.80
170	0.00	92.87	9.00	470.80
175	0.00	97.49	9.00	470.80
180	0.00	102.10	9.00	470.80

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147

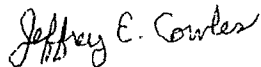
(703)726-5500 <http://www.comsearch.com>

Coordination Values		ROCK SPRINGS, WY	
Licensee Name		DG Consents Sub, Inc.	
Latitude (NAD 83)		41° 32' 12.0" N	
Longitude (NAD 83)		109° 21' 11.0" W	
Ground Elevation (AMSL)		1889.76 m / 6200.0 ft	
Antenna Centerline (AGL)		4.88 m / 16.0 ft	
Antenna Model		ViaSat 3420	
Antenna Mode		Transmit 2.0 GHz	
Interference Objectives:	Long Term	-154.0 dBW/4 kHz	20%
	Short Term	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power		20.0 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 2.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
185	0.00	106.70	9.00	470.80
190	0.00	111.28	9.00	470.80
195	0.00	115.82	9.00	470.80
200	0.00	120.33	9.00	470.80
205	0.00	124.79	9.00	470.80
210	0.00	129.18	9.00	470.80
215	0.00	133.49	9.00	470.80
220	0.00	137.68	9.00	470.80
225	0.00	141.72	9.00	470.80
230	0.00	145.54	9.00	470.80
235	0.00	149.08	9.00	470.80
240	0.00	152.21	9.00	470.80
245	0.00	154.78	9.00	470.80
250	0.00	156.62	9.00	470.80
255	0.00	157.52	9.00	470.80
260	0.00	157.40	9.00	470.80
265	0.00	156.25	9.00	470.80
270	0.00	154.22	9.00	470.80
275	0.00	151.49	9.00	470.80
280	0.00	148.25	9.00	470.80
285	0.00	144.64	9.00	470.80
290	0.00	140.75	9.00	470.80
295	0.00	136.68	9.00	470.80
300	0.00	132.45	9.00	470.80
305	0.00	128.12	9.00	470.80
310	0.00	123.71	9.00	470.80
315	0.00	119.24	9.00	470.80
320	0.00	114.72	9.00	470.80
325	0.00	110.16	9.00	470.80
330	0.00	105.58	9.00	470.80
335	0.00	100.98	9.00	470.80
340	0.00	96.37	9.00	470.80
345	0.00	91.75	9.00	470.80
350	0.00	87.13	9.00	470.80
355	0.00	82.51	9.00	470.80

5. CERTIFICATION

I HEREBY CERTIFY THAT I AM THE TECHNICALLY QUALIFIED PERSON RESPONSIBLE FOR THE PREPARATION OF THE FREQUENCY COORDINATION DATA CONTAINED IN THIS APPLICATION, THAT I AM FAMILIAR WITH PARTS 101 AND 25 OF THE FCC RULES AND REGULATIONS, THAT I HAVE EITHER PREPARED OR REVIEWED THE FREQUENCY COORDINATION DATA SUBMITTED WITH THIS APPLICATION, AND THAT IT IS COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Jeffrey E. Cowles
Engineer III, Telecommunications
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, Va. 20147

DATED: July 15, 2014

FCC IBFS - Electronic Filing

Submission_id :IB2014001467

Successfully filed on :Jul 17 2014 2:44:55:740PM

The current authorization of Call Sign E120040 expires on Jun 5 2027 2:40:38:143PM. The filing of a modification application does not automatically extend the expiration date of an authorization. In addition, grant of a modification will not extend the expiration date unless that is the modification sought. In general, an application for renewal of the authorization must be filed separately in order to extend the expiration date.

[Return to Main Menu](#)



Online Payment

Step 3: Confirm Payment

Thank you.
Your transaction has been successfully completed.

Pay.gov Tracking Information

Application Name: Remittance Advice
Pay.gov Tracking ID: 25GN2BR8
Agency Tracking ID: PGC2537456
Transaction Date and Time: 07/17/2014 14:51 EDT

Payment Summary

Address Information	Account Information	Payment Information
<p>Account Holder Name: Lerman Senter PLLC 2000 K Street, Billing Address: N.W. Billing Address 2: Suite 600 City: Washington State / Province: DC Zip / Postal Code: 20006-1809 Country: USA</p>	<p>Card Type: American Express Card Number: *****1008</p>	<p>Payment Amount: \$180.00 Transaction Date and Time: 07/17/2014 14:51 EDT</p>