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June 15, 2020

ELECTRONIC FILING VIA IBFS

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
Office of the Secretary
445 12th Street, S.W.
Washington, D.C. 20554

Re: BlackSky Global, LLC
Application for Special Temporary Authority to
Construct and Operate a Transmit/Receive
Earth Station in Brewster, WA, Callsign E202003,
File No. SES-STA-20200513-00531

Dear Ms. Dortch:

On behalf of BlackSky Global, LLC, ("BlackSky"), submitted herewith is a frequency coordination report prepared by Comsearch with respect to the above referenced application.

The report shows that coordination has been satisfactorily completed and, on that basis, there is no need for restrictions on the operation of the proposed Brewster facilities due to interference considerations.

Ms. Marlene Dortch

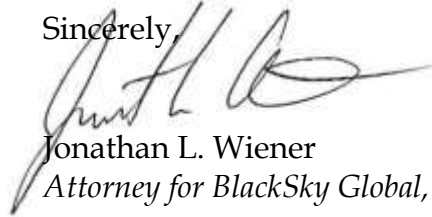
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As previously stated, BlackSky requires use of the Brewster facility for LEOP for its Global 7 and 8 satellites, now scheduled to be launched June 22,2020. BlackSky urgently requests favorable action on that request.

Questions concerning this matter should be referred to the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "Jonathan L. Wiener", is written over the typed name.

Jonathan L. Wiener

Attorney for BlackSky Global, LLC

cc: Jose Albuquerque (email)

Paul Blais (email)

Kerry Murray (email)

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for
BlackSky Global, LLC
BREWSTER, WA
Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147
June 15, 2020

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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.

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 sent to the below listed carriers with a letter dated 05/26/2020.

Company

3G Wireless, LLC
Aerial Video Systems
Apple Valley Broadcasting Inc.
Borgeson, Tom R.
Broadcast Sports Inc.
Casper, John
CenturyTel of the Southwest, Inc.
Chicago Comnet Corp
Cincinnati Bell Wireless LLC
Citywide News Network, Inc.
Cowboys Stadium LP
DCI II, INC.
Direct Broadcast Services, Inc.
Frontier California Inc.
Global Telecom & Technology Americas, In
HF Enterprises, Inc
Hallco Unlimited, Inc.
Hawaiian Telcom, Inc.
Heiden, William
Illinois Bell Telephone Company
Indiana Bell Telephone Company
Information & Display Systems, Inc.
Information Super Station, LLC
KHQ, Incorporated
KIRO-TV, Inc
Kentucky RSA #3 Cellular General Partner
Kentucky RSA #4 Cellular General Partner
King Broadcasting Company
King Broadcasting Company - KREM TV
MERCURY COMMUNICATIONS
Mountain Licenses, L.P.
NEW ENGLAND DIGITAL DISTRIBUTION, INC.
NSM Surveillance
Onboard Images
Pacific Bell Tel Com dba AT&T California
Production & Satellite Services, Inc.
REMOTE FACILITIES CONSULTING SERVICES
RF Film, Inc
Radiofone, Inc.
Randy Hermes Production

Sinclair Seattle Licensee, LLC
Sinclair Yakima Licensee, LLC (WA)
Speedshotz, Inc
Spokane Television Inc.
TTWN Networks, LLC
The CW Television Stations Inc.
Unisat, Inc.
Vyvx, LLC
Winged Vision Inc
Wisconsin Bell Telephone Company
Wolfe Air Aviation

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: 06/10/2020
Job Number: 200526COMSGE01

Administrative Information

Status ENGINEER PROPOSAL
Call Sign
Licensee Code BLASKY
Licensee Name BlackSky Global, LLC

Site Information BREWSTER, WA

Venue Name
Latitude (NAD 83) 48° 8' 45.6" N
Longitude (NAD 83) 119° 42' 0.4" W
Climate Zone A
Rain Zone 5
Ground Elevation (AMSL) 382.83 m / 1256.0 ft

Link Information

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

Antenna Information Transmit - FCC32

Manufacturer NEC
Model 7.6 meter
Gain / Diameter 41.5 dBi / 7.6 m
3-dB / 15-dB Beamwidth 0.25° / 0.50°

Max Available RF Power (dBW/4 kHz) -8.8
(dBW/MHz) 15.2

Maximum EIRP (dBW/4 kHz) 32.7
(dBW/MHz) 56.7

Interference Objectives: Long Term -154.0 dBW/4 kHz 20%
Short Term -131.0 dBW/4 kHz 0.0025%

Frequency Information Transmit 2.0 GHz

Emission / Frequency Range (MHz) 200KF1D / 2071.725 - 2072.025

Max Great Circle Coordination Distance 262.0 km / 162.8 mi
Precipitation Scatter Contour Radius 100.0 km / 62.1 mi

COMSEARCH

Earth Station Data Sheet

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Coordination Values

BREWSTER, WA

Licensee Name BlackSky Global, LLC
Latitude (NAD 83) 48° 8' 45.6" N
Longitude (NAD 83) 119° 42' 0.4" W
Ground Elevation (AMSL) 382.83 m / 1256.0 ft
Antenna Centerline (AGL) 4.88 m / 16.0 ft
Antenna Model NEC 7.6 meter
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 -8.8 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 2.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	1.87	69.99	20.70	262.00
5	0.62	65.42	20.70	262.00
10	0.83	61.21	20.70	262.00
15	0.59	56.93	20.70	262.00
20	1.20	53.06	20.70	262.00
25	1.48	49.23	20.70	262.00
30	0.47	44.89	20.70	262.00
35	0.48	41.22	20.70	262.00
40	0.77	37.99	20.70	262.00
45	0.97	35.06	20.70	262.00
50	1.01	32.44	20.70	262.00
55	1.38	30.65	20.70	262.00
60	1.84	29.65	20.70	262.00
65	1.97	29.08	20.70	262.00
70	1.95	29.14	20.70	262.00
75	2.02	30.06	20.70	262.00
80	2.23	31.80	20.70	262.00
85	2.24	33.96	20.70	262.00
90	2.46	36.77	20.70	262.00
95	2.59	39.88	20.70	262.00
100	2.45	43.12	20.70	262.00
105	2.10	46.52	20.70	262.00
110	2.00	50.27	20.70	262.00
115	1.74	54.11	20.70	262.00
120	1.66	58.15	20.70	262.00
125	1.25	62.20	20.70	262.00
130	0.80	66.35	20.70	262.00
135	0.49	70.61	20.70	262.00
140	0.23	74.95	20.70	262.00
145	0.00	79.34	20.70	262.00
150	0.00	83.78	20.70	262.00
155	0.00	88.23	20.70	262.00
160	0.00	92.69	20.70	262.00
165	0.00	97.13	20.70	262.00
170	0.00	101.57	20.70	262.00
175	0.00	105.99	20.70	262.00
180	0.00	110.38	20.70	262.00
185	0.00	114.73	20.70	262.00

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
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Coordination Values

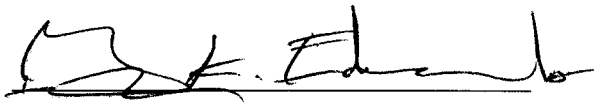
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Interference Objectives: Long Term -154.0 dBW/4 kHz 20%
Short Term -131.0 dBW/4 kHz 0.0025%
Max Available RF Power -8.8 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 2.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	119.03	20.70	262.00
195	0.00	123.27	20.70	262.00
200	0.00	127.42	20.70	262.00
205	0.00	131.45	20.70	262.00
210	0.00	135.35	20.70	262.00
215	0.00	139.06	20.70	262.00
220	0.00	142.53	20.70	262.00
225	0.00	145.68	20.70	262.00
230	0.00	148.41	20.70	262.00
235	0.00	150.60	20.70	262.00
240	0.00	152.13	20.70	262.00
245	2.04	150.85	20.70	262.00
250	3.02	149.79	20.70	262.00
255	3.40	148.62	20.70	262.00
260	3.14	147.37	20.70	262.00
265	2.93	145.46	20.70	262.00
270	3.85	142.16	20.70	262.00
275	4.19	139.01	20.70	262.00
280	4.23	135.78	20.70	262.00
285	3.99	132.46	20.70	262.00
290	3.87	128.85	20.70	262.00
295	3.85	125.03	20.70	262.00
300	2.91	121.41	20.70	262.00
305	1.91	117.61	20.70	262.00
310	2.37	113.28	20.70	262.00
315	1.95	109.11	20.70	262.00
320	1.67	104.84	20.70	262.00
325	1.65	100.49	20.70	262.00
330	1.96	96.11	20.70	262.00
335	2.31	91.73	20.70	262.00
340	0.44	87.33	20.70	262.00
345	0.86	82.92	20.70	262.00
350	1.94	78.64	20.70	262.00
355	2.34	74.37	20.70	262.00

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.

BY: 

Gary K. Edwards
Senior Manager
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147

DATED: June 15, 2020