

19700 Janelia Farm Boulevard

Ashburn, VA 20147

(703) 726-5500

Fax (703) 726-5600



COMSEARCH®

<http://www.comsearch.com>

**Exhibit B**

October 29, 2014

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\*\*\* CLIENT COPY \*\*\*

\*\*\* PLEASE MAIL \*\*\*

\*\*\* TO CUSTOMER \*\*\*

Re: Intelsat License LLC  
Hagerstown, Maryland  
Temporary, Transmit-Only Earth Station  
Operation Dates: 11/26/2014 - 03/01/2015  
Job Number: 141029COMSJC08

Dear Frequency Coordinator:

On behalf of Intelsat License LLC, we are forwarding the attached coordination data for temporary operations from the existing transmit-only earth station located at the site referenced above.

This earth station will transmit only on the satellite(s) and frequency or frequencies as described in the attached data. Please do not report cases involving the earth station receive band or problems involving non-active paths or frequencies outside the specified range.

If there are any questions concerning this coordination notice, please contact Comsearch.

Sincerely,

COMSEARCH

A handwritten signature in blue ink, appearing to read 'Jeffrey E. Cowles'.

Jeffrey E. Cowles  
Engineer III, Telecommunications  
[jcowles@comsearch.com](mailto:jcowles@comsearch.com)

Enclosure(s)

**COMSEARCH****Earth Station Data Sheet**

19700 Janelia Farm Boulevard, Ashburn, VA 20147  
 (703)726-5660 <http://www.comsearch.com>

Date: 10/29/2014  
 Job Number: 141029COMSJC08

**Administrative Information**

Status: TEMPORARY (Operation from 11/26/2014 to 03/01/2015)  
 Call Sign: TEMP03  
 Licensee Code: INTELS  
 Licensee Name: Intelsat License LLC

**Site Information** **HAGERSTOWN, MARYLAND**

Venue Name:  
 Latitude (NAD 83): 39° 35' 54.0" N  
 Longitude (NAD 83): 77° 45' 33.0" W  
 Climate Zone: A  
 Rain Zone: 2  
 Ground Elevation (AMSL): 174.65 m / 573.0 ft

**Link Information**

Satellite Type: Geostationary  
 Mode: TO - Transmit-Only  
 Modulation: Digital  
 Satellite Arc: 6° W to 149° West Longitude  
 Azimuth Range: 101.9° to 257.8°  
 Corresponding Elevation Angles: 5.3° / 5.7°  
 Antenna Centerline (AGL): 9.45 m / 31.0 ft

**Antenna Information**

Manufacturer: TIW  
 Model: 14.2 Meter  
 Gain / Diameter: 65.1 dBi / 14.2 m  
 3-dB / 15-dB Beamwidth: 0.10° / 0.20°

Max Available RF Power (dBW/4 kHz): -0.4  
 (dBW/MHz): 23.6

Maximum EIRP (dBW/4 kHz): 64.7  
 (dBW/MHz): 88.7  
 (dBW): 88.0

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

**Frequency Information** **Transmit 18.0 GHz**

Emission / Frequency Range (MHz): 850KFXD / 17312.5  
 850KFXD / 18087.0

Max Great Circle Coordination Distance: 444.4 km / 276.1 mi  
 Precipitation Scatter Contour Radius: 186.6 km / 116.0 mi

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<b>Coordination Values</b>	<b>HAGERSTOWN, MD</b>
Licensee Name	Intelsat License LLC
Latitude (NAD 83)	39° 35' 54.0" N
Longitude (NAD 83)	77° 45' 33.0" W
Ground Elevation (AMSL)	174.65 m / 573.0 ft
Antenna Centerline (AGL)	9.45 m / 31.0 ft
Antenna Model	TIW 14.2 Meter
Antenna Mode	Transmit 18.0 GHz
Interference Objectives: Long Term	-154.0 dBW/4 kHz 20%
Short Term	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power	-0.4 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 18.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	101.81	-10.00	152.75
5	0.00	96.84	-10.00	152.75
10	0.00	91.86	-10.00	152.75
15	0.00	86.88	-10.00	152.75
20	0.00	81.90	-10.00	152.75
25	0.00	76.92	-10.00	152.75
30	0.00	71.95	-10.00	152.75
35	0.00	66.97	-10.00	152.75
40	0.00	62.00	-10.00	152.75
45	0.00	57.03	-10.00	152.75
50	0.00	52.06	-10.00	152.75
55	0.00	47.09	-9.82	153.31
60	0.00	42.14	-8.62	157.23
65	0.00	37.19	-7.26	162.24
70	0.00	32.26	-5.72	167.47
75	0.00	27.34	-3.92	173.65
80	0.00	22.47	-1.79	181.18
85	0.00	17.65	0.83	190.66
90	0.00	12.98	4.17	202.98
95	0.00	8.66	8.56	220.51
100	0.00	5.61	13.27	444.41
105	0.00	6.15	12.28	302.62
110	0.00	9.60	7.45	215.96
115	0.00	13.27	3.93	202.04
120	0.00	16.89	1.31	192.42
125	0.00	20.41	-0.75	184.91
130	0.00	23.83	-2.43	178.90
135	0.00	27.11	-3.83	173.98
140	0.00	30.23	-5.01	169.88
145	0.00	33.14	-6.01	166.47
150	0.00	35.82	-6.85	163.61
155	0.00	38.20	-7.55	161.26
160	0.00	40.26	-8.12	159.37
165	0.00	41.93	-8.56	157.41
170	0.00	43.16	-8.88	156.38
175	0.00	43.92	-9.07	155.76
180	0.00	44.18	-9.13	155.55
185	0.00	43.92	-9.07	155.76

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Antenna Mode	Transmit 18.0 GHz
Interference Objectives: Long Term	-154.0 dBW/4 kHz 20%
Short Term	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power	-0.4 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 18.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	43.16	-8.88	156.38
195	0.00	41.93	-8.56	157.41
200	0.00	40.26	-8.12	159.37
205	0.00	38.20	-7.55	161.26
210	0.00	35.81	-6.85	163.62
215	0.00	33.14	-6.01	166.47
220	0.00	30.22	-5.01	169.89
225	0.00	27.11	-3.83	173.98
230	0.00	23.83	-2.43	178.90
235	0.00	20.42	-0.75	184.91
240	0.00	16.89	1.31	192.44
245	0.00	13.28	3.92	202.03
250	0.00	9.59	7.46	216.01
255	0.00	6.33	11.96	312.84
260	0.00	6.11	12.35	426.25
265	0.00	9.18	7.93	217.91
270	0.00	13.46	3.77	201.46
275	0.00	18.11	0.55	189.65
280	0.00	22.90	-2.00	180.44
285	0.00	27.76	-4.09	173.08
290	0.00	32.66	-5.85	167.00
295	0.00	37.59	-7.38	161.85
300	0.00	42.53	-8.72	156.90
305	0.00	47.48	-9.91	153.03
310	0.00	52.44	-10.00	152.75
315	0.00	57.40	-10.00	152.75
320	0.00	62.37	-10.00	152.75
325	0.00	67.34	-10.00	152.75
330	0.00	72.31	-10.00	152.75
335	0.00	77.28	-10.00	152.75
340	0.00	82.26	-10.00	152.75
345	0.00	87.23	-10.00	152.75
350	0.00	92.21	-10.00	152.75
355	0.00	97.18	-10.00	152.75