

19700 Janelia Farm Boulevard

Ashburn, VA 20147

(703) 726-5500

Fax (703) 726-5600



COMSEARCH®

<http://www.comsearch.com>

**Exhibit B**

January 28, 2015

\*\*\*\*\*

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

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

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

Re: Intelsat License LLC  
Castle Rock, Colorado  
Temporary Transmit-Only Earth Station  
Operation Dates: 03/01/2015 - 09/01/2015  
Job Number: 150128COMSJC02

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 4 GHz facilities 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 'JEFF 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: 01/28/2015  
Job Number: 150128COMSJC02

### Administrative Information

Status: TEMPORARY (Operation from 03/01/2015 to 09/01/2015)  
Call Sign: TEMP09  
Licensee Code: INTELS  
Licensee Name: Intelsat License LLC

### Site Information

**CASTLE ROCK, COLORADO**  
Venue Name: CC5  
Latitude (NAD 83): 39° 16' 33.0" N  
Longitude (NAD 83): 104° 48' 34.0" W  
Climate Zone: A  
Rain Zone: 2  
Ground Elevation (AMSL): 2088.0 m / 6850.4 ft

### Link Information

Satellite Type: Geostationary  
Mode: TO - Transmit-Only  
Modulation: Analog and Digital  
Satellite Arc: 33° W to 177° West Longitude  
Azimuth Range: 101.8° to 258.5°  
Corresponding Elevation Angles: 5.3° / 5.0°  
Antenna Centerline (AGL): 5.49 m / 18.0 ft

### Antenna Information

**Transmit**  
Manufacturer: Vertex  
Model: 9.0 Meter  
Gain / Diameter: 53.8 dBi / 9.0 m  
3-dB / 15-dB Beamwidth: 0.20° / 0.40°

Max Available RF Power (dBW/4 kHz): 3.7  
(dBW/MHz): 27.7

Maximum EIRP (dBW/4 kHz): 57.5  
(dBW/MHz): 81.5  
(dBW): 80.8

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

### Frequency Information

**Transmit 6.1 GHz**  
Emission / Frequency Range (MHz): 850KFXD / 6020.0  
850KFXD / 6025.0  
850KFXD / 6421.5  
850KFXD / 6423.5

Max Great Circle Coordination Distance: 480.8 km / 298.7 mi  
Precipitation Scatter Contour Radius: 300.3 km / 186.6 mi

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

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<b>Coordination Values</b>	<b>CASTLE ROCK, CO</b>
Licensee Name	Intelsat License LLC
Latitude (NAD 83)	39° 16' 33.0" N
Longitude (NAD 83)	104° 48' 34.0" W
Ground Elevation (AMSL)	2088.0 m / 6850.4 ft
Antenna Centerline (AGL)	5.49 m / 18.0 ft
Antenna Model	Vertex 9.0 Meter
Antenna Mode	Transmit 6.1 GHz
Interference Objectives: Long Term	-154.0 dBW/4 kHz 20%
Short Term	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power	3.7 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	5.33	101.50	-10.00	100.00
5	4.79	96.75	-10.00	100.00
10	3.89	91.75	-10.00	100.00
15	4.01	86.75	-10.00	100.00
20	3.85	81.76	-10.00	100.00
25	3.58	76.76	-10.00	100.00
30	3.74	71.76	-10.00	100.00
35	3.35	66.77	-10.00	100.00
40	2.87	61.78	-10.00	100.00
45	2.58	56.80	-10.00	101.35
50	2.50	51.81	-10.00	102.77
55	1.71	46.86	-9.77	120.66
60	1.36	41.91	-8.56	133.51
65	0.54	37.02	-7.21	174.30
70	0.00	32.15	-5.68	210.33
75	0.00	27.24	-3.88	217.69
80	0.00	22.36	-1.74	226.94
85	0.00	17.56	0.89	239.06
90	0.00	12.89	4.25	255.17
95	0.23	8.45	8.82	277.55
100	0.00	5.60	13.29	468.28
105	0.00	6.23	12.13	340.17
110	0.00	9.71	7.32	272.10
115	0.28	13.21	3.97	245.64
120	0.36	16.79	1.37	224.87
125	0.30	20.38	-0.73	220.99
130	0.52	23.66	-2.35	196.73
135	0.43	27.02	-3.79	198.43
140	0.55	30.04	-4.94	183.61
145	1.02	32.60	-5.83	152.33
150	1.54	34.84	-6.55	134.84
155	1.39	37.33	-7.30	136.03
160	1.46	39.28	-7.85	133.39
165	1.44	40.92	-8.30	132.32
170	1.53	42.03	-8.59	129.10
175	1.93	42.37	-8.68	119.17
180	2.33	42.21	-8.64	111.10
185	2.57	41.73	-8.51	106.70

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Max Available RF Power	3.7 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	2.96	40.65	-8.23	100.38
195	3.16	39.31	-7.86	100.00
200	3.18	37.74	-7.42	100.00
205	2.89	36.04	-6.92	106.43
210	2.65	33.93	-6.26	113.42
215	2.70	31.28	-5.38	115.74
220	3.32	27.95	-4.16	109.05
225	3.28	24.91	-2.91	114.53
230	3.48	21.53	-1.32	116.96
235	3.42	18.19	0.50	124.87
240	3.40	14.71	2.81	133.87
245	3.51	11.04	5.93	143.40
250	3.53	7.37	10.31	164.23
255	3.67	3.54	18.28	292.58
260	3.61	2.06	24.13	480.76
265	3.77	6.62	11.48	164.82
270	3.98	11.54	5.44	134.00
275	4.00	16.53	1.54	118.60
280	4.02	21.52	-1.32	107.60
285	4.64	26.50	-3.58	100.00
290	5.69	31.50	-5.46	100.00
295	5.86	36.51	-7.06	100.00
300	5.20	41.50	-8.45	100.00
305	5.01	46.50	-9.69	100.00
310	5.30	51.50	-10.00	100.00
315	5.39	56.50	-10.00	100.00
320	4.95	61.50	-10.00	100.00
325	4.63	66.50	-10.00	100.00
330	4.54	71.50	-10.00	100.00
335	4.47	76.50	-10.00	100.00
340	5.31	81.50	-10.00	100.00
345	5.69	86.50	-10.00	100.00
350	5.73	91.50	-10.00	100.00
355	5.67	96.50	-10.00	100.00