

**COMSEARCH**  
**Earth Station Data Sheet**  
 19700 Janelia Farm Boulevard, Ashburn, VA 20147  
 (703)726-5662 <http://www.comsearch.com>

Date: 08/11/2020  
 Job Number: <PCNJobCode>

**Administrative Information**

Status ENGINEER PROPOSAL  
 Call Sign E7754  
 Licensee Code P4775  
 Licensee Name GlobeCast North America Incorporated

**Site Information****CULVER CITY, CA**

Venue Name  
 Latitude (NAD 83) 34° 1' 5.0" N  
 Longitude (NAD 83) 118° 24' 14.3" W  
 Climate Zone B  
 Rain Zone 4  
 Ground Elevation (AMSL) 24.38 m / 80.0 ft

**Link Information**

Satellite Type Geostationary  
 Mode TO - Transmit-Only  
 Modulation Digital  
 Satellite Arc 67° W to 143° West Longitude  
 Azimuth Range 114.1° to 219.3°  
 Corresponding Elevation Angles 23.1° / 42.5°  
 Antenna Centerline (AGL) 6.1 m / 20.0 ft

**Antenna Information****Transmit - FCC32**

Manufacturer RSI  
 Model 9.2 meter  
 Gain / Diameter 53.0 dBi / 9.2 m  
 3-dB / 15-dB Beamwidth 0.32° / 0.70°

Max Available RF Power (dBW/4 kHz) -21.8  
 (dBW/MHz) 2.2

Maximum EIRP (dBW/4 kHz) 31.2  
 (dBW/MHz) 55.2

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) 36M0G7W / 5925.0 - 6425.0

Max Great Circle Coordination Distance 125.4 km / 77.9 mi  
 Precipitation Scatter Contour Radius 100.0 km / 62.1 mi

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<b>Coordination Values</b>	<b>CULVER CITY, CA</b>
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Ground Elevation (AMSL)	24.38 m / 80.0 ft
Antenna Centerline (AGL)	6.1 m / 20.0 ft
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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	-21.8 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	1.04	112.20	-10.00	100.00
5	1.14	107.63	-10.00	100.00
10	1.00	103.01	-10.00	100.00
15	0.86	98.38	-10.00	100.00
20	0.87	93.76	-10.00	100.00
25	0.48	89.14	-10.00	100.00
30	0.47	84.53	-10.00	100.19
35	0.61	79.91	-10.00	100.00
40	0.24	75.35	-10.00	116.83
45	0.23	70.79	-10.00	117.84
50	0.23	66.24	-10.00	117.21
55	0.00	61.79	-10.00	120.03
60	0.00	57.34	-10.00	120.03
65	0.00	52.95	-10.00	120.03
70	0.00	48.64	-10.00	120.03
75	0.00	44.44	-9.19	122.30
80	0.00	40.38	-8.15	125.36
85	0.47	36.24	-6.98	107.06
90	2.13	31.53	-5.47	100.00
95	2.64	27.71	-4.07	100.00
100	2.54	24.77	-2.85	100.00
105	2.24	22.70	-1.90	100.00
110	2.10	21.41	-1.27	100.00
115	2.06	21.10	-1.11	100.00
120	1.95	21.97	-1.55	100.00
125	1.80	23.87	-2.45	100.00
130	1.38	26.74	-3.68	100.00
135	1.41	29.82	-4.86	100.00
140	1.05	33.49	-6.12	100.00
145	0.63	37.05	-7.22	100.00
150	0.30	40.34	-8.14	116.66
155	0.00	43.33	-8.92	123.09
160	0.00	45.74	-9.51	121.40
165	0.00	47.73	-9.97	120.11
170	0.00	49.22	-10.00	120.03
175	0.24	49.91	-10.00	116.85
180	0.23	50.23	-10.00	117.51
185	0.00	50.14	-10.00	120.03

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Longitude (NAD 83)	118° 24' 14.3" W
Ground Elevation (AMSL)	24.38 m / 80.0 ft
Antenna Centerline (AGL)	6.1 m / 20.0 ft
Antenna Model	RSI 9.2 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	-21.8 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	49.22	-10.00	120.03
195	0.00	47.73	-9.97	120.11
200	0.00	45.91	-9.55	121.29
205	0.00	44.41	-9.19	122.32
210	0.00	43.32	-8.92	123.10
215	0.00	42.68	-8.76	123.57
220	0.00	42.51	-8.71	123.70
225	0.00	42.82	-8.79	123.47
230	0.00	43.59	-8.98	122.91
235	0.00	44.79	-9.28	122.05
240	0.00	46.41	-9.66	120.96
245	0.00	48.38	-10.00	120.03
250	0.28	50.46	-10.00	115.51
255	0.39	52.97	-10.00	106.36
260	0.50	55.72	-10.00	100.00
265	0.48	58.75	-10.00	100.00
270	0.43	61.97	-10.00	103.37
275	0.35	65.32	-10.00	109.49
280	0.51	68.68	-10.00	100.00
285	0.47	72.21	-10.00	100.00
290	0.49	75.80	-10.00	100.00
295	0.54	79.43	-10.00	100.00
300	0.56	83.11	-10.00	100.00
305	0.90	86.80	-10.00	100.00
310	1.10	90.53	-10.00	100.00
315	1.21	94.29	-10.00	100.00
320	0.97	98.00	-10.00	100.00
325	1.01	101.70	-10.00	100.00
330	0.92	105.34	-10.00	100.00
335	0.99	108.96	-10.00	100.00
340	1.15	112.54	-10.00	100.00
345	1.06	115.95	-10.00	100.00
350	0.99	119.24	-10.00	100.00
355	1.07	116.76	-10.00	100.00

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**Antenna Information****Transmit - FCC32**

Manufacturer Scientific-Atlanta  
 Model 10 meter  
 Gain / Diameter 54.4 dBi / 10.0 m  
 3-dB / 15-dB Beamwidth 0.60° / 1.20°

Max Available RF Power (dBW/4 kHz) -22.5  
 (dBW/MHz) 1.5

Maximum EIRP (dBW/4 kHz) 31.9  
 (dBW/MHz) 55.9

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) 36M0G7W / 5925.0 - 6425.0

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			Horizon Gain (dBi)	Coordination Distance (km)
0	1.04	112.20	-10.00	100.00
5	1.14	107.63	-10.00	100.00
10	1.00	103.01	-10.00	100.00
15	0.86	98.38	-10.00	100.00
20	0.87	93.76	-10.00	100.00
25	0.48	89.14	-10.00	100.00
30	0.47	84.53	-10.00	100.00
35	0.61	79.91	-10.00	100.00
40	0.24	75.35	-10.00	116.94
45	0.23	70.79	-10.00	116.04
50	0.23	66.24	-10.00	117.30
55	0.00	61.79	-10.00	118.14
60	0.00	57.34	-10.00	118.14
65	0.00	52.95	-10.00	118.14
70	0.00	48.64	-10.00	118.14
75	0.00	44.44	-9.19	120.32
80	0.00	40.38	-8.15	123.28
85	0.47	36.24	-6.98	105.31
90	2.13	31.53	-5.47	100.00
95	2.64	27.71	-4.07	100.00
100	2.54	24.77	-2.85	100.00
105	2.24	22.70	-1.90	100.00
110	2.10	21.41	-1.27	100.00
115	2.06	21.10	-1.11	100.00
120	1.95	21.97	-1.55	100.00
125	1.80	23.87	-2.45	100.00
130	1.38	26.74	-3.68	100.00
135	1.41	29.82	-4.86	100.00
140	1.05	33.49	-6.12	100.00
145	0.63	37.05	-7.22	100.00
150	0.30	40.34	-8.14	116.77
155	0.00	43.33	-8.92	121.09
160	0.00	45.74	-9.51	119.46
165	0.00	47.73	-9.97	118.22
170	0.00	49.22	-10.00	118.14
175	0.24	49.91	-10.00	116.96
180	0.23	50.23	-10.00	115.72
185	0.00	50.14	-10.00	118.14

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215	0.00	42.68	-8.76	121.55
220	0.00	42.51	-8.71	121.67
225	0.00	42.82	-8.79	121.45
230	0.00	43.59	-8.98	120.91
235	0.00	44.79	-9.28	120.09
240	0.00	46.41	-9.66	119.04
245	0.00	48.38	-10.00	118.14
250	0.28	50.46	-10.00	113.76
255	0.39	52.97	-10.00	104.61
260	0.50	55.72	-10.00	100.00
265	0.48	58.75	-10.00	100.00
270	0.43	61.97	-10.00	101.61
275	0.35	65.32	-10.00	107.74
280	0.51	68.68	-10.00	100.00
285	0.47	72.21	-10.00	100.00
290	0.49	75.80	-10.00	100.00
295	0.54	79.43	-10.00	100.00
300	0.56	83.11	-10.00	100.00
305	0.90	86.80	-10.00	100.00
310	1.10	90.53	-10.00	100.00
315	1.21	94.29	-10.00	100.00
320	0.97	98.00	-10.00	100.00
325	1.01	101.70	-10.00	100.00
330	0.92	105.34	-10.00	100.00
335	0.99	108.96	-10.00	100.00
340	1.15	112.54	-10.00	100.00
345	1.06	115.95	-10.00	100.00
350	0.99	119.24	-10.00	100.00
355	1.07	116.76	-10.00	100.00