

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 E881143
 Licensee Code P4775
 Licensee Name GlobeCast North America Incorporated

Site Information**CULVER CITY, CA**

Venue Name
 Latitude (NAD 83) 34° 1' 6.0" 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 Scientific-Atlanta
 Model 10 meter
 Gain / Diameter 53.5 dBi / 10.0 m
 3-dB / 15-dB Beamwidth 0.34° / 0.78°

Max Available RF Power (dBW/4 kHz) -21.3
 (dBW/MHz) 2.7

Maximum EIRP (dBW/4 kHz) 32.2
 (dBW/MHz) 56.2

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) 108MG7W / 5925.0 - 6425.0

Max Great Circle Coordination Distance 126.9 km / 78.8 mi
 Precipitation Scatter Contour Radius 100.0 km / 62.1 mi

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Ground Elevation (AMSL)	24.38 m / 80.0 ft
Antenna Centerline (AGL)	6.1 m / 20.0 ft
Antenna Model	Scientific-Atlanta 10 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	-21.3 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	1.06	112.20	-10.00	100.00
5	1.15	107.63	-10.00	100.00
10	0.96	103.01	-10.00	100.00
15	0.90	98.39	-10.00	100.00
20	0.87	93.76	-10.00	100.00
25	0.52	89.14	-10.00	100.00
30	0.29	84.53	-10.00	115.96
35	0.37	79.93	-10.00	108.91
40	0.23	75.35	-10.00	118.86
45	0.23	70.79	-10.00	119.02
50	0.23	66.24	-10.00	118.46
55	0.00	61.79	-10.00	121.43
60	0.00	57.34	-10.00	121.43
65	0.00	52.95	-10.00	121.43
70	0.00	48.64	-10.00	121.43
75	0.22	44.35	-9.17	122.11
80	0.00	40.38	-8.15	126.90
85	0.25	36.37	-7.02	125.03
90	1.94	31.65	-5.51	100.00
95	2.68	27.68	-4.06	100.00
100	2.55	24.76	-2.84	100.00
105	2.16	22.77	-1.94	100.00
110	2.25	21.27	-1.19	100.00
115	2.02	21.14	-1.13	100.00
120	1.87	22.05	-1.58	100.00
125	1.86	23.81	-2.42	100.00
130	1.47	26.67	-3.65	100.00
135	1.46	29.78	-4.85	100.00
140	1.08	33.47	-6.11	100.00
145	0.60	37.07	-7.23	100.61
150	0.28	40.35	-8.15	119.10
155	0.00	43.33	-8.92	124.57
160	0.00	45.74	-9.51	122.84
165	0.00	47.73	-9.97	121.51
170	0.00	49.22	-10.00	121.43
175	0.24	49.91	-10.00	118.15
180	0.23	50.23	-10.00	118.88
185	0.00	50.14	-10.00	121.43

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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	Scientific-Atlanta 10 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	-21.3 (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	121.43
195	0.00	47.73	-9.97	121.51
200	0.00	45.91	-9.55	122.72
205	0.00	44.41	-9.19	123.78
210	0.00	43.32	-8.92	124.57
215	0.00	42.68	-8.76	125.06
220	0.00	42.51	-8.71	125.19
225	0.00	42.82	-8.79	124.96
230	0.00	43.59	-8.98	124.38
235	0.00	44.79	-9.28	123.50
240	0.00	46.41	-9.66	122.38
245	0.00	48.38	-10.00	121.43
250	0.26	50.48	-10.00	116.37
255	0.44	52.93	-10.00	103.71
260	0.50	55.72	-10.00	100.00
265	0.47	58.76	-10.00	100.95
270	0.41	61.98	-10.00	106.19
275	0.38	65.30	-10.00	108.33
280	0.68	68.62	-10.00	100.00
285	0.45	72.22	-10.00	102.74
290	0.51	75.79	-10.00	100.00
295	0.53	79.43	-10.00	100.00
300	0.55	83.11	-10.00	100.00
305	0.94	86.79	-10.00	100.00
310	1.10	90.53	-10.00	100.00
315	1.19	94.29	-10.00	100.00
320	1.04	98.01	-10.00	100.00
325	0.99	101.70	-10.00	100.00
330	0.88	105.33	-10.00	100.00
335	1.00	108.96	-10.00	100.00
340	1.12	112.53	-10.00	100.00
345	1.10	115.96	-10.00	100.00
350	1.04	119.26	-10.00	100.00
355	1.08	116.76	-10.00	100.00

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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 0.80° / 1.40°

Max Available RF Power (dBW/4 kHz) -22.6
 (dBW/MHz) 1.4

Maximum EIRP (dBW/4 kHz) 30.4
 (dBW/MHz) 54.4
 (dBW)

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 123.0 km / 76.4 mi
 Precipitation Scatter Contour Radius 100.0 km / 62.1 mi

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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	-22.6 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	1.06	112.20	-10.00	100.00
5	1.15	107.63	-10.00	100.00
10	0.96	103.01	-10.00	100.00
15	0.90	98.39	-10.00	100.00
20	0.87	93.76	-10.00	100.00
25	0.52	89.14	-10.00	100.00
30	0.29	84.53	-10.00	112.71
35	0.37	79.93	-10.00	105.65
40	0.23	75.35	-10.00	117.36
45	0.23	70.79	-10.00	115.64
50	0.23	66.24	-10.00	117.00
55	0.00	61.79	-10.00	117.88
60	0.00	57.34	-10.00	117.88
65	0.00	52.95	-10.00	117.88
70	0.00	48.64	-10.00	117.88
75	0.22	44.35	-9.17	118.52
80	0.00	40.38	-8.15	122.99
85	0.25	36.37	-7.02	121.23
90	1.94	31.65	-5.51	100.00
95	2.68	27.68	-4.06	100.00
100	2.55	24.76	-2.84	100.00
105	2.16	22.77	-1.94	100.00
110	2.25	21.27	-1.19	100.00
115	2.02	21.14	-1.13	100.00
120	1.87	22.05	-1.58	100.00
125	1.86	23.81	-2.42	100.00
130	1.47	26.67	-3.65	100.00
135	1.46	29.78	-4.85	100.00
140	1.08	33.47	-6.11	100.00
145	0.60	37.07	-7.23	100.00
150	0.28	40.35	-8.15	115.72
155	0.00	43.33	-8.92	120.81
160	0.00	45.74	-9.51	119.19
165	0.00	47.73	-9.97	117.96
170	0.00	49.22	-10.00	117.88
175	0.24	49.91	-10.00	116.70
180	0.23	50.23	-10.00	117.38
185	0.00	50.14	-10.00	117.88

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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	-22.6 (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	117.88
195	0.00	47.73	-9.97	117.96
200	0.00	45.91	-9.55	119.09
205	0.00	44.41	-9.19	120.07
210	0.00	43.32	-8.92	120.82
215	0.00	42.68	-8.76	121.27
220	0.00	42.51	-8.71	121.39
225	0.00	42.82	-8.79	121.17
230	0.00	43.59	-8.98	120.63
235	0.00	44.79	-9.28	119.81
240	0.00	46.41	-9.66	118.77
245	0.00	48.38	-10.00	117.88
250	0.26	50.48	-10.00	114.99
255	0.44	52.93	-10.00	100.44
260	0.50	55.72	-10.00	100.00
265	0.47	58.76	-10.00	100.00
270	0.41	61.98	-10.00	102.93
275	0.38	65.30	-10.00	105.07
280	0.68	68.62	-10.00	100.00
285	0.45	72.22	-10.00	100.00
290	0.51	75.79	-10.00	100.00
295	0.53	79.43	-10.00	100.00
300	0.55	83.11	-10.00	100.00
305	0.94	86.79	-10.00	100.00
310	1.10	90.53	-10.00	100.00
315	1.19	94.29	-10.00	100.00
320	1.04	98.01	-10.00	100.00
325	0.99	101.70	-10.00	100.00
330	0.88	105.33	-10.00	100.00
335	1.00	108.96	-10.00	100.00
340	1.12	112.53	-10.00	100.00
345	1.10	115.96	-10.00	100.00
350	1.04	119.26	-10.00	100.00
355	1.08	116.76	-10.00	100.00

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 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 7 meter
 Gain / Diameter 50.4 dBi / 7.0 m
 3-dB / 15-dB Beamwidth 0.80° / 1.40°

Max Available RF Power (dBW/4 kHz) -17.7
 (dBW/MHz) 6.3

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 6.1 GHz**

Emission / Frequency Range (MHz)
 7M00G7W / 5925.0 - 6425.0
 36M0G7W / 5925.0 - 6425.0
 43M0G7W / 5925.0 - 6425.0

Max Great Circle Coordination Distance 139.0 km / 86.4 mi

Precipitation Scatter Contour Radius 100.0 km / 62.1 mi

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Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	1.06	112.20	-10.00	100.00
5	1.15	107.63	-10.00	100.00
10	0.96	103.01	-10.00	100.00
15	0.90	98.39	-10.00	100.00
20	0.87	93.76	-10.00	100.00
25	0.52	89.14	-10.00	106.75
30	0.29	84.53	-10.00	123.78
35	0.37	79.93	-10.00	116.08
40	0.23	75.35	-10.00	129.51
45	0.23	70.79	-10.00	129.71
50	0.23	66.24	-10.00	129.04
55	0.00	61.79	-10.00	132.57
60	0.00	57.34	-10.00	132.57
65	0.00	52.95	-10.00	132.57
70	0.00	48.64	-10.00	132.57
75	0.22	44.35	-9.17	133.40
80	0.00	40.38	-8.15	139.04
85	0.25	36.37	-7.02	136.89
90	1.94	31.65	-5.51	100.00
95	2.68	27.68	-4.06	100.00
100	2.55	24.76	-2.84	100.00
105	2.16	22.77	-1.94	100.00
110	2.25	21.27	-1.19	100.00
115	2.02	21.14	-1.13	100.00
120	1.87	22.05	-1.58	100.00
125	1.86	23.81	-2.42	100.00
130	1.47	26.67	-3.65	100.00
135	1.46	29.78	-4.85	100.00
140	1.08	33.47	-6.11	100.00
145	0.60	37.07	-7.23	109.82
150	0.28	40.35	-8.15	129.85
155	0.00	43.33	-8.92	136.30
160	0.00	45.74	-9.51	134.25
165	0.00	47.73	-9.97	132.68
170	0.00	49.22	-10.00	132.57
175	0.24	49.91	-10.00	128.66
180	0.23	50.23	-10.00	129.54
185	0.00	50.14	-10.00	132.57

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 Max Available RF Power -17.7 (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	132.57
195	0.00	47.73	-9.97	132.68
200	0.00	45.91	-9.55	134.11
205	0.00	44.41	-9.19	135.36
210	0.00	43.32	-8.92	136.31
215	0.00	42.68	-8.76	136.88
220	0.00	42.51	-8.71	137.03
225	0.00	42.82	-8.79	136.76
230	0.00	43.59	-8.98	136.07
235	0.00	44.79	-9.28	135.04
240	0.00	46.41	-9.66	133.71
245	0.00	48.38	-10.00	132.57
250	0.26	50.48	-10.00	126.52
255	0.44	52.93	-10.00	112.76
260	0.50	55.72	-10.00	107.94
265	0.47	58.76	-10.00	110.01
270	0.41	61.98	-10.00	115.24
275	0.38	65.30	-10.00	117.37
280	0.68	68.62	-10.00	100.00
285	0.45	72.22	-10.00	111.80
290	0.51	75.79	-10.00	107.24
295	0.53	79.43	-10.00	106.20
300	0.55	83.11	-10.00	105.38
305	0.94	86.79	-10.00	100.00
310	1.10	90.53	-10.00	100.00
315	1.19	94.29	-10.00	100.00
320	1.04	98.01	-10.00	100.00
325	0.99	101.70	-10.00	100.00
330	0.88	105.33	-10.00	100.00
335	1.00	108.96	-10.00	100.00
340	1.12	112.53	-10.00	100.00
345	1.10	115.96	-10.00	100.00
350	1.04	119.26	-10.00	100.00
355	1.08	116.76	-10.00	100.00