

Micronet Communications, Inc.
720 F Avenue, Suite 100
Plano, Texas 75074
972-422-7200

File: M1212902

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TECHNICAL CHARACTERISTICS OF TRANSMIT ONLY EARTH STATION

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Company: Globecast UK
Site Name, State: Fort Adams, RI
Call Sign:
Latitude (NAD83) 41 28 42.9 N
Longitude (NAD83) 71 20 7.3 W
Elevation AMSL (ft/m) 0.00 0.00
Receive Frequency Range (MHz)
Transmit Frequency Range (MHz) 5925-6025/6045-6425
Range of Satellite Orbital Long. (deg W) 55.00 61.00
Range of Azimuths from North (deg) 156.13 164.61
Antenna Centerline (ft/m) 12.00 3.66
Antenna Elevation Angles (deg) 39.26 40.93

Equipment Parameters Transmit

Antenna Gain, Main Beam (dbI) 42.00
15 DB Half Beamwidth (deg) 3.80

Antennas Transmit: GIGASAT 2.4 METER

Max Transmitter Power (dbW/4KHz) -7.80
Max EIRP Main Beam (dbW/4KHz) 34.20
Modulation / Emission Designator DIGITAL 18MOD7W

Coordination Parameters Transmit

Max Greater Circle Distances (km) 147.71
Max Rain Scatter Distances (km) 100.00
Max Interference Power Long Term (dbW) -151.80
Max Interference Power Short Term (dbW) -130.80
Rain Zone / Radio Zone 2 B

MICRONET COMMUNICATIONS, INC.
05-09-2012

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Horizon Angle   Horizon Gain   Final Contour   -   6.17 GHz TRANSMIT
ONLY
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Company: Globecast UK

Site Name, State: Fort Adams, RI

Call Sign:

Latitude (NAD83) 41 28 42.9 N Longitude (NAD83) 71 20 7.3 W

North Final Azimuth Contour (deg) (km)	Horizon Angle (deg)	Horizon Gain (db)	Final Contour (km)	North Azimuth (deg)	Horizon Angle (deg)	Horizon Gain (db)
0	0.04	-23.00	147.7	180	0.78	-10.00
116.5						
5	0.14	-23.00	147.7	185	0.84	-10.00
115.0						
10	0.21	-23.00	137.6	190	0.57	-10.00
127.3						
15	0.30	-23.00	133.8	195	0.77	-10.00
118.6						
20	0.33	-23.00	132.2	200	1.48	-10.88
100.8						
25	0.40	-23.00	128.8	205	2.23	-12.05
100.0						
30	0.58	-20.36	120.5	210	2.72	-13.00
100.0						
35	0.48	-17.53	125.3	215	3.09	-13.00
100.0						
40	0.57	-14.52	121.1	220	3.11	-13.00
100.0						
45	0.66	-11.44	117.2	225	2.64	-13.00
100.0						
50	0.59	-10.00	120.0	230	2.34	-13.00
100.0						
55	0.56	-10.00	121.4	235	2.00	-13.00
100.0						
60	0.52	-10.00	123.3	240	1.99	-13.00
100.0						
65	0.60	-10.00	119.3	245	1.93	-11.93
100.0						
70	0.55	-10.00	121.6	250	1.58	-10.22

100.0							
75	0.55	-11.38	121.6	255	1.20	-10.00	
101.2							
80	0.48	-13.00	125.0	260	0.99	-10.00	
105.7							
85	0.43	-13.00	127.3	265	0.77	-10.00	
113.3							
90	0.44	-13.00	127.0	270	0.51	-10.00	
123.7							
95	0.41	-13.00	128.3	275	0.58	-10.71	
120.6							
100	0.38	-13.00	129.9	280	0.55	-13.68	
122.0							
105	0.36	-13.00	130.9	285	0.45	-16.63	
126.5							
110	0.62	-13.00	118.7	290	0.48	-19.43	
125.2							
115	0.93	-12.30	107.8	295	0.48	-22.15	
125.2							
120	0.96	-10.75	106.8	300	0.54	-23.00	
122.5							
125	0.72	-10.00	115.1	305	0.43	-23.00	
127.7							
130	0.64	-10.00	118.0	310	0.37	-23.00	
130.4							
135	0.75	-10.00	114.0	315	0.27	-23.00	
135.1							
140	0.81	-10.00	112.1	320	0.35	-23.00	
131.1							
145	0.71	-10.00	115.5	325	0.38	-23.00	
129.8							
150	0.49	-10.00	124.7	330	0.32	-23.00	
132.7							
155	0.74	-10.00	114.6	335	0.29	-23.00	
134.2							
160	1.03	-10.00	104.8	340	0.18	-23.00	
147.7							
165	1.26	-10.00	100.6	345	0.14	-23.00	
147.7							
170	1.01	-10.00	107.0	350	0.00	-23.00	
147.7							
175	0.91	-10.00	111.5	355	0.00	-23.00	
147.7							

Fort Adams, RI - Fort Adams

Location: Fort Adams		Modulation: Digital				Operational Dates: 06/24/2102 - 12/24/2012																							
Ground Elevation (m) (feet)		0.0 0				Satellite Arc (East End): 74				Frequency Band: 5925 - 6425 MHz					Latitude: 41-28-42.87N Longitude: 071-20-7.33 W														
Interference Cases		Azimuth (degrees)	Distance (miles)	Worst Margin (db)	Bandwidth (MHz)	5945	5965	5985	6005	6025	6045	6065	6085	6105	6125	6145	6165	6185	6205	6225	6245	6265	6285	6305	6325	6345	6365	6385	6405
Victim Site	From					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
North Scituate	East Greenwich	324.52	47.977	-7.3	30					6034.15	6034.16																		