

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

File: M1219204

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TECHNICAL CHARACTERISTICS OF TRANSMIT ONLY EARTH STATION

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Company: Globecast UK
Site Name, State: Marina Green Drive, CA
Call Sign:
Latitude (NAD83) 37 48 28.2 N
Longitude (NAD83) 122 26 9.2 W
Elevation AMSL (ft/m) 9.85 3.00
Receive Frequency Range (MHz)
Transmit Frequency Range (MHz) 5925-6025/6045-6145/6165-
6265/6305-6425
Range of Satellite Orbital Long. (deg W) 56.00 60.00
Range of Azimuths from North (deg) 104.97 107.74
Antenna Centerline (ft/m) 12.00 3.66
Antenna Elevation Angles (deg) 9.86 12.99

Equipment Parameters Transmit

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

Antennas Transmit: ADVENT 2.4M FLYAWAY

Max Transmitter Power (dbW/4KHz) -11.70
Max EIRP Main Beam (dbW/4KHz) 30.30
Modulation / Emission Designator DIGITAL 18M0D7W

Coordination Parameters Transmit

Max Greater Circle Distances (km) 156.45
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 3 B

MICRONET COMMUNICATIONS, INC.
07-16-2012

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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:                       Marina Green Drive, CA

Call Sign:
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Latitude (NAD83) 37 48 28.2 N           Longitude (NAD83) 122 26 9.2 W
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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	1.51	-10.38	100.0	180	2.25	-13.00
100.0						
5	2.10	-10.00	100.0	185	2.51	-13.00
100.0						
10	1.10	-10.00	100.0	190	2.64	-11.77
100.0						
15	0.13	-10.00	136.9	195	2.98	-10.00
100.0						
20	0.26	-10.43	124.4	200	3.02	-10.00
100.0						
25	0.44	-12.55	116.8	205	3.09	-10.00
100.0						
30	0.63	-13.00	110.2	210	2.81	-10.00
100.0						
35	0.50	-13.00	114.7	215	2.16	-11.85
100.0						
40	0.79	-13.00	104.3	220	1.80	-15.86
100.0						
45	0.79	-13.00	104.5	225	1.69	-19.81
100.0						
50	0.93	-13.00	100.0	230	1.88	-23.00
100.0						
55	0.83	-10.75	102.9	235	2.06	-23.00
103.6						
60	1.15	-10.00	100.0	240	2.01	-23.00
112.0						
65	1.44	-10.00	100.0	245	1.63	-23.00
129.7						
70	1.27	-10.00	100.0	250	1.55	-23.00

131.6							
75	1.15	-6.04	100.0	255	1.27	-23.00	
138.7							
80	1.08	-4.02	100.0	260	1.17	-23.00	
129.5							
85	1.10	-2.79	100.0	265	0.93	-23.00	
126.1							
90	1.45	-1.56	100.0	270	0.81	-23.00	
123.6							
95	2.30	-1.00	100.0	275	0.00	-23.00	
156.5							
100	2.39	3.42	100.0	280	0.43	-23.00	
129.8							
105	1.89	3.81	100.0	285	0.54	-23.00	
120.2							
110	2.36	3.40	100.0	290	2.05	-23.00	
100.0							
115	3.06	-0.95	100.0	295	2.23	-23.00	
100.0							
120	3.02	-1.18	100.0	300	2.13	-23.00	
100.0							
125	2.18	-2.39	100.0	305	2.43	-23.00	
100.0							
130	2.25	-3.53	100.0	310	2.45	-23.00	
100.0							
135	2.07	-4.76	100.0	315	2.21	-23.00	
100.0							
140	1.51	-8.93	100.0	320	1.20	-23.00	
100.0							
145	1.60	-10.00	100.0	325	0.70	-23.00	
107.8							
150	2.05	-10.00	100.0	330	0.60	-23.00	
111.1							
155	2.84	-10.00	100.0	335	0.70	-23.00	
107.5							
160	2.98	-11.80	100.0	340	0.60	-23.00	
111.4							
165	2.68	-13.00	100.0	345	1.08	-22.40	
100.0							
170	2.61	-13.00	100.0	350	1.09	-18.42	
100.0							
175	2.61	-13.00	100.0	355	0.44	-14.53	
116.8							

Micronet Communications, Inc.

720 F Avenue, Suite 100
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SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M1219204
Licensee: Globecast UK

5.93 GHz

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Pursuant to Parts 25.203 and 101.103(d) of the FCC Rules and Regulations, a frequency coordination study was conducted by Micronet Communications, Inc. for the following proposed earth station:

Marina Green Drive, CA

The results of the study indicate that no unacceptable interference will result with existing, proposed or prior coordinated radio facilities.

Coordination was performed with existing, proposed and prior coordinated carriers within coordination range on the following dates:

07/16/2012 Original PCN

There were no unresolved interference objections.

The attached coordination data was forwarded on the latest date to the following parties within coordination range or their authorized coordination agents:

ALAMEDA COUNTY OF
AMERICAN TOWER LLC
AT&T CALIFORNIA
AT&T MOBILITY WIRELESS OPERATIONS HOLDINGS
CAGAL CELLULAR COMMUNICATIONS CORP
CALIFORNIA STATE OF
CBS BROADCASTING INC
CELLCO PARTNERSHIP - CALIFORNIA
COMPUTER SCIENCES CORPORATION
COMSEARCH INC
CONTEL FEDERAL SYSTEMS INC
CONTRA COSTA COUNTY OF
CONTRA COSTA COUNTY OF FIRE PROTECTION DISTRICT
CRYSTAL SMR INC
EAST BAY MUNICIPAL UTILITY DISTRICT
GTE MOBILNET OF CALIFORNIA LIMITED PARTNERSHIP
GTE MOBILNET OF SANTA BARBARA LIMITED PARTNERSHIP
INTERNATIONAL COMMUNICATIONS GROUP INC D/B/A CORBAN NETWORKS
MARIN COUNTY OF
METROPOLITAN AREA NETWORKS INC
MICRONET COMMUNICATIONS INC
MODESTO IRRIGATION DISTRICT
MUT LICENSING LLC
NAPA COUNTY OF
NEW CINGULAR WIRELESS PCS LLC
NEW CINGULAR WIRELESS PCS LLC - N CAL
NEW CINGULAR WIRELESS PCS LLC - S CAL
NORTHERN CALIFORNIA PUBLIC BROADCASTING D/B/A KQED
PACIFIC GAS AND ELECTRIC COMPANY

Micronet Communications, Inc.

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RADIO DYNAMICS
ROMAN CATHOLIC COMMUNICATION CORP
SACRAMENTO COUNTY OF
SACRAMENTO VALLEY LTD PARTNERSHIP
SAN FRANCISCO CITY AND COUNTY OF
SAN JOAQUIN COUNTY COMMUNICATIONS
SAN JOSE CITY OF
SAN JOSE CITY OF (ECOMM)
SAN MATEO COUNTY OF
SANTA CLARA COUNTY OF
SANTA CLARA VALLEY WATER DISTRICT
SANTA CRUZ COUNTY OF
SOLANO COUNTY OF
SONOMA COUNTY OF
SOUTHERN PACIFIC TRANSPORTATION COMPANY
UNION PACIFIC RAILROAD COMPANY
WESTERN TECHNICAL SERVICES
WESTERN TELE-COMMUNICATIONS INC (WTCI)
YOLO COUNTY OF
YOLO EMERGENCY COMMUNICATIONS AGENCY (YECA)

Respectfully Submitted,



Jeremy Boyce
Systems Engineer

Attached: 1 data sheet

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138.7							
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85	1.10	-2.79	100.0	265	0.93	-23.00	
126.1							
90	1.45	-1.56	100.0	270	0.81	-23.00	
123.6							
95	2.30	-1.00	100.0	275	0.00	-23.00	
156.5							
100	2.39	3.42	100.0	280	0.43	-23.00	
129.8							
105	1.89	3.81	100.0	285	0.54	-23.00	
120.2							
110	2.36	3.40	100.0	290	2.05	-23.00	
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165	2.68	-13.00	100.0	345	1.08	-22.40	
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170	2.61	-13.00	100.0	350	1.09	-18.42	
100.0							
175	2.61	-13.00	100.0	355	0.44	-14.53	
116.8							

San Francisco, CA - Marina Green Drive																													
Location: Marina Green Drive		Modulation: Digital				Operational Dates: 08/19/2012 - 02/19/2013																							
Ground Elevation (m)		3.0				Satellite Arc (East End):				130				Frequency Band				Latitude:				37-48-26.16 N							
(feet)		9.85				Satellite Arc (West End):				138				5925 - 6425 MHz				Longitude:				122 26 9.24 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
KPIX Studio	Mt Diablo	79.62	46.221	-17.6	25					6034.15	6034.15																		
Oakland DOT	Yerba Buena	88.48	15.105	-14.7	30																	6286.2	6286.2	6286.2					
Mt Diablo	Vollmer Pk	79.74	46.523	-2.2	10											6152.75	6152.75												