

Micronet Communications, Inc.

720 F Avenue, Suite 100
Plano, Texas 75074
972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M1224801
Licensee: Globecast UK

5.95 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:

Pier 23, 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:

09/11/2012 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
BAYRICS JOINT POWERS AUTHORITY
CAGAL CELLULAR COMMUNICATIONS CORP
CALIFORNIA RSA NO 4 LIMITED PARTNERSHIP
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
MICRONET COMMUNICATIONS INC
MODESTO IRRIGATION DISTRICT
MONTEREY COUNTY SUPERINTENDENT OF SCHOOLS
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

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NORTHERN CALIFORNIA PUBLIC BROADCASTING D/B/A KQED
PACIFIC COAST WIRELESS INTERNET
PACIFIC GAS AND ELECTRIC COMPANY
RADIO DYNAMICS
ROMAN CATHOLIC COMMUNICATION CORP
SACRAMENTO COUNTY OF
SACRAMENTO VALLEY LTD PARTNERSHIP
SAN FRANCISCO CITY AND COUNTY OF
SAN JOAQUIN COUNTY ISD
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
VERIZON WIRELESS (VAW) LLC
WESTERN TECHNICAL SERVICES
WESTERN TELE-COMMUNICATIONS INC (WTCI)
YOLO EMERGENCY COMMUNICATIONS AGENCY (YECA)

Respectfully Submitted,



Jeremy Boyce
Systems Engineer

Attached: 1 data sheet

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TECHNICAL CHARACTERISTICS OF TRANSMIT ONLY EARTH STATION

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Company: Globecast UK
Site Name, State: Pier 23, CA
Call Sign:
Latitude (NAD83) 37 48 15.4 N
Longitude (NAD83) 122 23 53.7 W
Elevation AMSL (ft/m) 1.00 0.30
Receive Frequency Range (MHz)
Transmit Frequency Range (MHz)
5945/6065/6225/6245/6305/6325/6385
Range of Satellite Orbital Long. (deg W) 56.00 60.00
Range of Azimuths from North (deg) 104.99 107.77
Antenna Centerline (ft/m) 12.00 3.66
Antenna Elevation Angles (deg) 9.89 13.02

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 9M0D7W

Coordination Parameters Transmit

Max Greater Circle Distances (km) 136.89
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.
09-07-2012

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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: Pier 23, CA

Call Sign:

Latitude (NAD83) 37 48 15.4 N Longitude (NAD83) 122 23 53.7 W

Final Azimuth Contour (deg) (km)	Horizon Angle (deg)	Horizon Gain (db)	Final Contour (km)	North Azimuth (deg)	Horizon Angle (deg)	Horizon Gain (db)
0	0.30	-10.58	122.6	180	0.95	-13.00
100.0						
5	0.18	-10.00	136.9	185	1.16	-13.00
100.0						
10	0.39	-10.00	118.7	190	1.30	-11.66
100.0						
15	0.14	-10.00	136.9	195	1.54	-10.00
100.0						
20	0.19	-10.41	136.9	200	1.13	-10.00
100.0						
25	0.56	-12.55	112.6	205	1.11	-10.00
100.0						
30	0.73	-13.00	106.7	210	1.78	-10.00
100.0						
35	0.94	-13.00	100.0	215	2.27	-11.81
100.0						
40	1.02	-13.00	100.0	220	2.73	-15.64
100.0						
45	0.95	-13.00	100.0	225	3.53	-19.38
100.0						
50	1.13	-13.00	100.0	230	5.10	-22.87
100.0						
55	1.50	-10.69	100.0	235	5.55	-23.00
100.0						
60	1.75	-10.00	100.0	240	5.30	-23.00
100.0						
65	1.53	-10.00	100.0	245	5.77	-23.00
100.0						
70	1.32	-10.00	100.0	250	6.69	-23.00

100.0							
75	1.89	-5.86	100.0	255	6.89	-23.00	
100.0							
80	1.42	-4.00	100.0	260	5.33	-23.00	
100.0							
85	1.33	-2.77	100.0	265	4.08	-23.00	
100.0							
90	0.99	-1.63	100.0	270	2.90	-23.00	
100.0							
95	0.87	-1.00	101.6	275	1.44	-23.00	
102.1							
100	0.54	1.84	113.4	280	0.40	-23.00	
131.3							
105	0.45	3.23	116.4	285	1.24	-23.00	
100.0							
110	0.42	1.61	117.6	290	1.47	-23.00	
100.0							
115	0.06	-1.00	136.9	295	1.50	-23.00	
100.0							
120	0.00	-1.73	136.9	300	1.80	-23.00	
100.0							
125	0.00	-2.73	136.9	305	1.79	-23.00	
100.0							
130	0.00	-3.82	136.9	310	1.89	-23.00	
100.0							
135	0.00	-4.99	136.9	315	0.79	-23.00	
104.4							
140	0.00	-9.49	136.9	320	0.49	-23.00	
115.2							
145	0.00	-10.00	136.9	325	0.52	-23.00	
114.3							
150	0.00	-10.00	136.9	330	1.09	-23.00	
100.0							
155	0.00	-10.00	136.9	335	1.76	-23.00	
100.0							
160	0.11	-12.17	136.9	340	0.89	-23.00	
101.0							
165	0.78	-13.00	105.0	345	0.11	-22.58	
136.9							
170	0.57	-13.00	112.3	350	0.00	-18.61	
136.9							
175	0.46	-13.00	116.2	355	0.23	-14.58	
126.0							

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Company:	Globecast UK		
Site Name, State:	Pier 23, CA		
Call Sign:			
Latitude	(NAD83)	37 48	15.4 N
Longitude	(NAD83)	122 23	53.7 W
Elevation AMSL	(ft/m)	1.00	0.30
Receive Frequency Range	(MHz)		
Transmit Frequency Range	(MHz)	5945/6065/6225/6245/6305/6325/6385	
Range of Satellite Orbital Long.	(deg W)	56.00	60.00
Range of Azimuths from North	(deg)	104.99	107.77
Antenna Centerline	(ft/m)	12.00	3.66
Antenna Elevation Angles	(deg)	9.89	13.02

Equipment Parameters	Transmit	
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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	9M0D7W

Coordination Parameters	Transmit	
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Max Greater Circle Distances	(km)	136.89
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.
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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: Pier 23, CA
Call Sign:

Latitude (NAD83) 37 48 15.4 N Longitude (NAD83) 122 23 53.7 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	0.30	-10.58	122.6	180	0.95	-13.00
100.0						
5	0.18	-10.00	136.9	185	1.16	-13.00
100.0						
10	0.39	-10.00	118.7	190	1.30	-11.66
100.0						
15	0.14	-10.00	136.9	195	1.54	-10.00
100.0						
20	0.19	-10.41	136.9	200	1.13	-10.00
100.0						
25	0.56	-12.55	112.6	205	1.11	-10.00
100.0						
30	0.73	-13.00	106.7	210	1.78	-10.00
100.0						
35	0.94	-13.00	100.0	215	2.27	-11.81
100.0						
40	1.02	-13.00	100.0	220	2.73	-15.64
100.0						
45	0.95	-13.00	100.0	225	3.53	-19.38
100.0						
50	1.13	-13.00	100.0	230	5.10	-22.87
100.0						
55	1.50	-10.69	100.0	235	5.55	-23.00
100.0						
60	1.75	-10.00	100.0	240	5.30	-23.00
100.0						
65	1.53	-10.00	100.0	245	5.77	-23.00
100.0						
70	1.32	-10.00	100.0	250	6.69	-23.00

100.0							
75	1.89	-5.86	100.0	255	6.89	-23.00	
100.0							
80	1.42	-4.00	100.0	260	5.33	-23.00	
100.0							
85	1.33	-2.77	100.0	265	4.08	-23.00	
100.0							
90	0.99	-1.63	100.0	270	2.90	-23.00	
100.0							
95	0.87	-1.00	101.6	275	1.44	-23.00	
102.1							
100	0.54	1.84	113.4	280	0.40	-23.00	
131.3							
105	0.45	3.23	116.4	285	1.24	-23.00	
100.0							
110	0.42	1.61	117.6	290	1.47	-23.00	
100.0							
115	0.06	-1.00	136.9	295	1.50	-23.00	
100.0							
120	0.00	-1.73	136.9	300	1.80	-23.00	
100.0							
125	0.00	-2.73	136.9	305	1.79	-23.00	
100.0							
130	0.00	-3.82	136.9	310	1.89	-23.00	
100.0							
135	0.00	-4.99	136.9	315	0.79	-23.00	
104.4							
140	0.00	-9.49	136.9	320	0.49	-23.00	
115.2							
145	0.00	-10.00	136.9	325	0.52	-23.00	
114.3							
150	0.00	-10.00	136.9	330	1.09	-23.00	
100.0							
155	0.00	-10.00	136.9	335	1.76	-23.00	
100.0							
160	0.11	-12.17	136.9	340	0.89	-23.00	
101.0							
165	0.78	-13.00	105.0	345	0.11	-22.58	
136.9							
170	0.57	-13.00	112.3	350	0.00	-18.61	
136.9							
175	0.46	-13.00	116.2	355	0.23	-14.58	
126.0							

San Francisco, CA - Pier 23																															
Location: Pier 23		Modulation: Digital				Operational Dates: 10/01/2012 - 04/01/2013																									
Ground Elevation (m)		0.3				Satellite Arc (East End):			130			Frequency Band			Latitude:			37-48-15.38 N													
(feet)		1				Satellite Arc (West End):			138			5925 - 6425 MHz			Longitude:			122-23-53.72 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		
Oakland DOT	Yerba Buena	86.17	7.34	-26.7	30																	6286.19	6286.19								
Mount Vaca	77 Beale	21.77	43.828	-22.3	30										6152.75	6152.75															
Oakland DOT	W-4	86.17	7.34	-14.7	30												6197.2	6197.2													
Mt Vaca	Vallejo	21.65	43.896	-18.3	30		5974.85	5974.85		6034.15	6034.15																				
Mt Diablo	KPIX Studio	78.33	26.745	-12.6	25					6034.15	6034.15																				
77 Beale	Mount Vaca	170.22	0.888	-9.4	30																								6404.79		
Bald Peak	Twin Peaks	60.37	11.088	-7.4	30			6004.5																							
77 Beale	Mt Tamalpais	170.22	0.888	-7.1	3.75																				6363.4	6363.4					
KPIX Studio	Mt Diablo	204.07	0.413	-6.4	25																	6286.19	6286.19								
Mt Allison	HBI	125.9	35.721	-3.4	30		5974.85	5974.85		6034.15	6034.15		6093.45	6093.45	6123.1	6152.75	6152.75														
Mt Tamalpais	77 Beale	309.32	13.42	-2.2	3.75									6111.36																	
Neptune	Big Rock	120.49	13.048	-2.2	2.5																						6361.55				

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Rain Zone / Radio Zone 3 B