

Micronet Communications, Inc.

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

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M1706028
Licensee: X2nsat

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:

1310Pet, 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:

03/16/2017 Original PCN (Expedited response requested by 03/30/2017)
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 CALIFORNIA - SACRAMENTO REGION
AT&T MOBILITY WIRELESS OPERATIONS HOLDINGS INC.
CALIFORNIA RURAL SERVICE AREA #1, INC.
CALIFORNIA STATE OF
CALIFORNIA, STATE OF
CBS BROADCASTING INC
CELLCO PARTNERSHIP
CELLCO PARTNERSHIP - SOUTHERN CALIFORNIA
CITY & COUNTY OF SAN FRANCISCO PUC
COMSEARCH INC
CONTRA COSTA COUNTY OF
CONTRA COSTA, COUNTY OF
CRYSTAL SMR INC.
EAST BAY MUNICIPAL UTILITY DISTRICT
ETHERIC NETWORKS INC
GTE MOBILNET OF CALIFORNIA LIMITED PARTNERSHIP
JOHANNESSEN, NORMAN A
KDTV LICENSE PARTNERSHIP GP (UNIVISION TELEVISION GROUP INC)
KGO TELEVISION, INC.
KQED INC
M.U.T. LICENSING, LLC
MARIN, COUNTY OF
MENDOCINO, COUNTY OF
MHO NETWORKS
MICRONET COMMUNICATIONS INC
MODESTO IRRIGATION DISTRICT

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NAPA COUNTY OF
NAPA, COUNTY OF
NEW CINGULAR WIRELESS PCS LLC
NEW CINGULAR WIRELESS PCS LLC - N CAL
NEW CINGULAR WIRELESS PCS, LLC
NORTH COAST INTERNET
NORTHSTAR SAN FRANCISCO LICENSE LLC
OLYMPIC WIRELESS
PACIFIC BELL TELEPHONE COMPANY DBA AT&T CALIFORNIA
PACIFIC GAS AND ELECTRIC COMPANY
RADIO DYNAMICS
SACRAMENTO VALLEY LTD PARTNERSHIP
SACRAMENTO, COUNTY OF
SAN FRANCISCO, CITY AND COUNTY OF
SAN JOAQUIN, COUNTY OF
SAN JOSE, CITY OF
SAN MATEO, COUNTY OF
SILICON VALLEY REGIONAL INTEROP AUTHORIT
SOLANO, COUNTY OF
SONOMA, COUNTY OF
THE INTERNET STORE, INC. DBA CRUZIO
UNION PACIFIC RAILROAD COMPANY
YOLO EMERGENCY COMMUNICATIONS AGENCY (YECA)
YOLO, COUNTY OF

Respectfully Submitted,



Jeremy Lewis
Systems Engineer

Attached: 1 data sheet

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TECHNICAL CHARACTERISTICS OF TRANSMIT RECEIVE EARTH STATION

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Company:	X2nsat		
Site Name, State:	1310Pet, CA		
Call Sign:			
Latitude	(NAD83)	38 16	27.2 N
Longitude	(NAD83)	122 39	48.5 W
Elevation AMSL	(ft/m)	36.09	11.00
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range	(MHz)	5925-6425	
Range of Satellite Orbital Long.	(deg W)	72.00	139.00
Range of Azimuths from North	(deg)	116.91	205.32
Antenna Centerline	(ft/m)	20.34	6.20
Antenna Elevation Angles	(deg)	21.79	42.49

Equipment Parameters	Receive	Transmit
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Antenna Gain, Main Beam	(dbI)	46.30	49.90
15 DB Half Beamwidth	(deg)	1.10	1.70

Antennas Receive: HUAXIN 6.2M
 Transmit: HUAXIN 6.2M

Max Transmitter Power	(dbW/4KHz)		-8.60
Max EIRP Main Beam	(dbW/4KHz)		41.30
Modulation / Emission Designator	DIGITAL	29M5G7D 2M30G7D	

Coordination Parameters	Receive	Transmit
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Max Greater Circle Distances	(km)	255.61	150.08
Max Rain Scatter Distances	(km)	275.86	100.00
Max Interference Power Long Term	(dbW)	-140.60	-151.80
Max Interference Power Short Term	(dbW)	-118.40	-130.80
Rain Zone / Radio Zone		3	A