

**Micronet Communications, Inc.**

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

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M1129002  
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:

Petaluma, 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:

01/03/2012 No-impact change notification pursuant to Section  
101.103(d)(2)(ix) - No response required.  
12/02/2011 Original PCN (Expedited response requested by 12/16/2011)  
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 COMMUNICATIONS  
AT&T COMMUNICATIONS OF CALIFORNIA INC  
AT&T MOBILITY WIRELESS OPERATIONS HOLDINGS  
CAGAL CELLULAR COMMUNICATIONS CORP  
CALIFORNIA STATE OF  
CBS BROADCASTING INC  
CELLCO PARTNERSHIP - CALIFORNIA  
COMSEARCH INC  
CONTRA COSTA COUNTY OF  
CONTRA COSTA COUNTY OF FIRE PROTECTION DISTRICT  
CRYSTAL SMR INC  
EAST BAY MUNICIPAL UTILITY DISTRICT  
EDGE WIRELESS LLC  
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  
MCI COMMUNICATION SERVICES INC  
MENDOCINO COUNTY CA  
MENDOCINO COUNTY OF  
METROPOLITAN AREA NETWORKS INC  
MICRONET COMMUNICATIONS INC  
MUT LICENSING LLC

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NAPA COUNTY OF  
NEW CINGULAR WIRELESS PCS LLC  
NEW CINGULAR WIRELESS PCS LLC - N CAL  
NORTHERN CALIFORNIA PUBLIC BROADCASTING D/B/A KQED  
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 JOSE CITY OF (ECOMM)  
SAN MATEO COUNTY OF  
SANTA CLARA COUNTY OF  
SOLANO COUNTY OF  
SONOMA COUNTY OF  
SOUTHERN PACIFIC TRANSPORTATION COMPANY  
UNION PACIFIC RAILROAD COMPANY  
VERIZON COMMUNICATIONS INC  
VERIZON WIRELESS (VAW) LLC  
WESTERN TELE-COMMUNICATIONS INC (WTCI)  
YOLO COUNTY OF  
YOLO EMERGENCY COMMUNICATIONS AGENCY (YECA)

Respectfully Submitted,



Jeremy Lewis  
System Engineer

Attached: 1 data sheet

Micronet Communications, Inc.  
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 972-422-7200

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TECHNICAL CHARACTERISTICS OF TRANSMIT RECEIVE EARTH STATION

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|                                  |              |           |        |
|----------------------------------|--------------|-----------|--------|
| Company:                         | X2nsat       |           |        |
| Site Name, State:                | Petaluma, CA |           |        |
| Call Sign:                       |              |           |        |
| Latitude                         | (NAD83)      | 38 16     | 27.2 N |
| Longitude                        | (NAD83)      | 122 39    | 48.5 W |
| Elevation AMSL                   | (ft/m)       | 36.00     | 10.97  |
| 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)       | 9.84      | 3.00   |
| Antenna Elevation Angles         | (deg)        | 21.79     | 42.49  |

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|                      |         |          |
|----------------------|---------|----------|
| Equipment Parameters | Receive | Transmit |
|----------------------|---------|----------|

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|                         |       |       |       |
|-------------------------|-------|-------|-------|
| Antenna Gain, Main Beam | (dbI) | 43.80 | 46.60 |
| 15 DB Half Beamwidth    | (deg) | 2.44  | 3.80  |

Antennas            Receive: ANDREW ES45T-T (4.5 METER)  
                       Transmit: ANDREW ES45T-R (4.5 METER)

|                                  |            |                 |        |
|----------------------------------|------------|-----------------|--------|
| Max Transmitter Power            | (dbW/4KHz) |                 | -15.50 |
| Max EIRP Main Beam               | (dbW/4KHz) |                 | 31.10  |
| Modulation / Emission Designator | DIGITAL    | 11M3G7D 3M10G7D |        |
| 2M50G7D1M20G7D                   |            |                 |        |

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|                         |         |          |
|-------------------------|---------|----------|
| Coordination Parameters | Receive | Transmit |
|-------------------------|---------|----------|

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|                                   |       |         |         |
|-----------------------------------|-------|---------|---------|
| Max Greater Circle Distances      | (km)  | 255.63  | 130.64  |
| 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       |