



REC Networks / REC ネットワーク

J1 Radio/J1 ラジオ

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Founder of REC/Director of J1 Radio

REC 代表取締役

J1 ラジオ ディレクター

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SBE Certified

In the matter of:

Yuba Sutter Community Media, Inc.

KXYS-LP 197192

Engineering STA Request

On March 7, 2022, KXYS-LP went silent due to the previous site being unviable. This STA is requesting to reinstate service on KXYS-LP to 91.6% of it's licensed service contour from a temporary site and to assure that the station remains in service to comply with Section 312(g) of the Communications Act.

The proposed facility will use a Nicom BKG-88, single bay circularly polarized antenna. To accommodate this site, we will propose operation with the published directional pattern for this antenna oriented at 130 degrees true and 100 watts (0.1 kW) ERP to assure that the 60 dBu contour of the STA site remains entirely within the 60 dBu contour of the licensed site. See contour map in this exhibit.

The technical parameters are as follows:

| | |
|-------------------|--|
| Latitude (NAD83): | 39-7-42.3 N |
| Longitude: | 121-38-7.3 N |
| Channel: | 232 (94.3) |
| Elevation: | 17m AMSL |
| Radiation Center: | 7.6m RCAMSL |
| Overall Height: | 9 m |
| ERP: | 100 watts (0.1 kW) |
| Antenna: | Nicom BKG-88, single bay, rotation 130 |

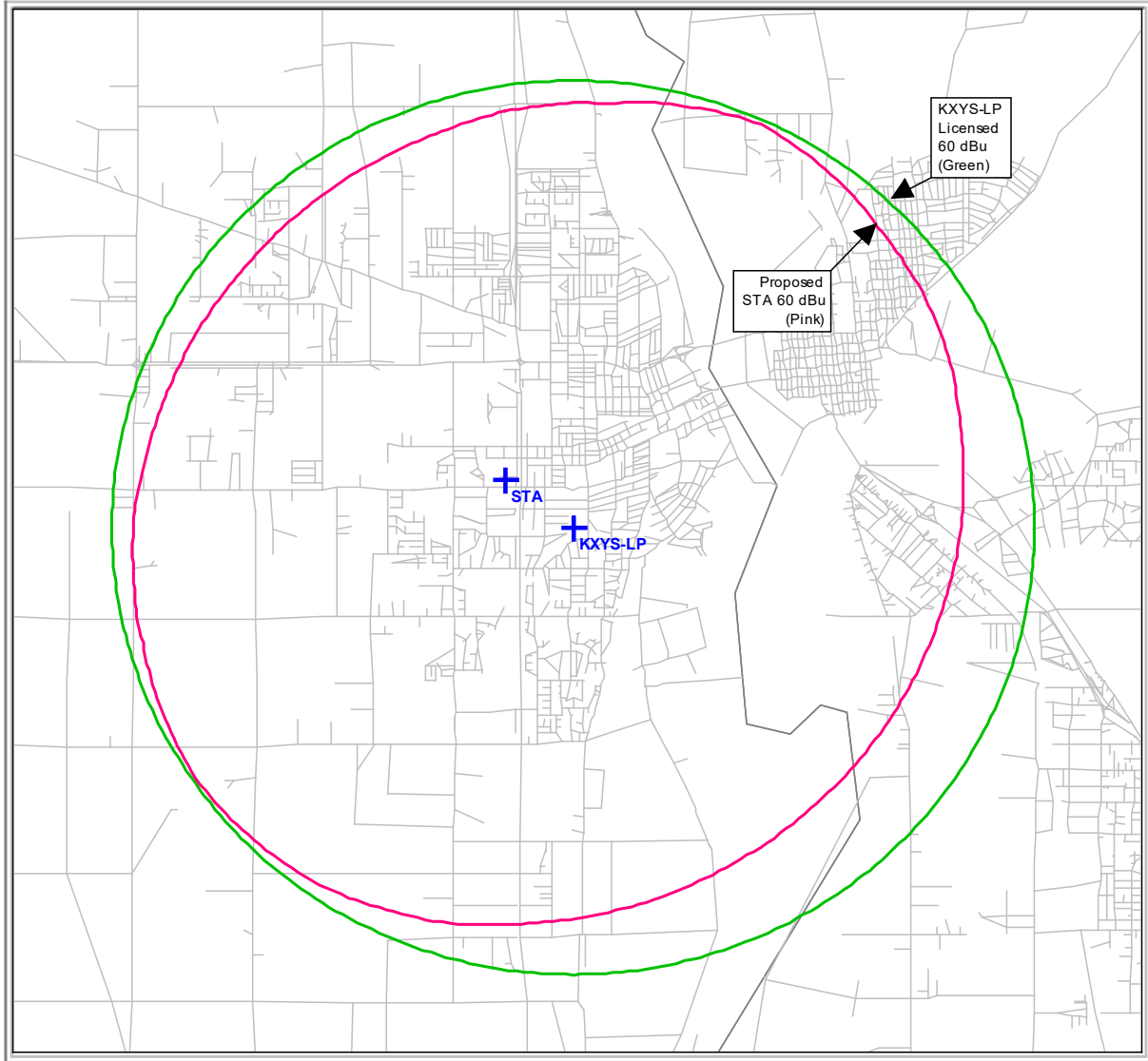
Prepared by,

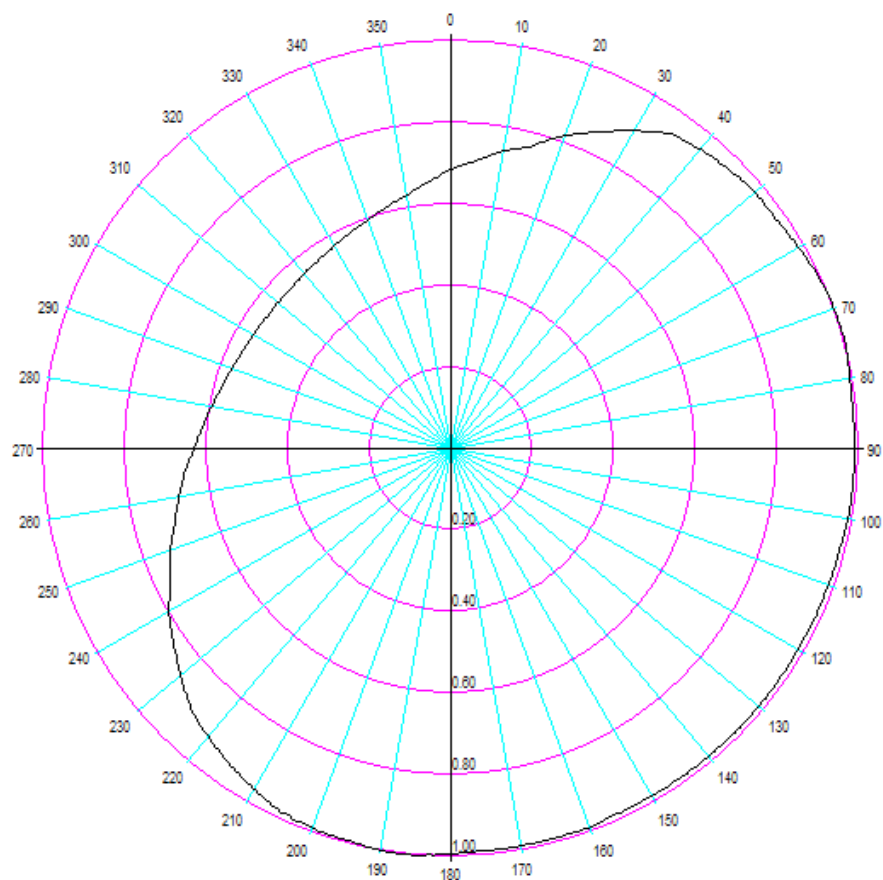
/S/

Michelle Bradley, CBT
REC Networks

March 1, 2023

KXYS-LP STA Facility





| Azim | RelFS | ERP [W] | dBk |
|------|-------|---------|---------|
| 0.0 | 0.682 | 46.512 | -13.324 |
| 5.0 | 0.706 | 49.844 | -13.024 |
| 10.0 | 0.738 | 54.464 | -12.639 |
| 15.0 | 0.764 | 58.370 | -12.338 |
| 20.0 | 0.815 | 66.422 | -11.777 |
| 25.0 | 0.853 | 72.761 | -11.381 |
| 30.0 | 0.897 | 80.461 | -10.944 |
| 35.0 | 0.939 | 88.172 | -10.547 |
| 40.0 | 0.953 | 90.821 | -10.418 |
| 45.0 | 0.963 | 92.737 | -10.327 |
| 50.0 | 0.973 | 94.673 | -10.238 |
| 55.0 | 0.973 | 94.673 | -10.238 |
| 60.0 | 0.983 | 96.629 | -10.149 |
| 65.0 | 0.993 | 98.605 | -10.061 |
| 70.0 | 1.000 | 100.000 | -10.000 |
| 75.0 | 1.000 | 100.000 | -10.000 |
| 80.0 | 0.992 | 98.406 | -10.070 |
| 85.0 | 0.988 | 97.614 | -10.105 |

| Azim | RelFS | ERP [W] | dBk |
|-------|-------|---------|---------|
| 90.0 | 0.988 | 97.614 | -10.105 |
| 95.0 | 0.988 | 97.614 | -10.105 |
| 100.0 | 0.988 | 97.614 | -10.105 |
| 105.0 | 0.983 | 96.629 | -10.149 |
| 110.0 | 0.983 | 96.629 | -10.149 |
| 115.0 | 0.983 | 96.629 | -10.149 |
| 120.0 | 0.983 | 96.629 | -10.149 |
| 125.0 | 0.983 | 96.629 | -10.149 |
| 130.0 | 0.983 | 96.629 | -10.149 |
| 135.0 | 0.983 | 96.629 | -10.149 |
| 140.0 | 0.983 | 96.629 | -10.149 |
| 145.0 | 0.983 | 96.629 | -10.149 |
| 150.0 | 0.983 | 96.629 | -10.149 |
| 155.0 | 0.983 | 96.629 | -10.149 |
| 160.0 | 0.988 | 97.614 | -10.105 |
| 165.0 | 0.988 | 97.614 | -10.105 |
| 170.0 | 0.988 | 97.614 | -10.105 |
| 175.0 | 0.988 | 97.614 | -10.105 |

| Azim | RelFS | ERP [W] | dBk |
|-------|-------|---------|---------|
| 180.0 | 0.992 | 98.406 | -10.070 |
| 185.0 | 1.000 | 100.000 | -10.000 |
| 190.0 | 1.000 | 100.000 | -10.000 |
| 195.0 | 0.993 | 98.605 | -10.061 |
| 200.0 | 0.991 | 98.208 | -10.079 |
| 205.0 | 0.983 | 96.629 | -10.149 |
| 210.0 | 0.963 | 92.737 | -10.327 |
| 215.0 | 0.943 | 88.925 | -10.510 |
| 220.0 | 0.923 | 85.193 | -10.696 |
| 225.0 | 0.900 | 81.000 | -10.915 |
| 230.0 | 0.862 | 74.304 | -11.290 |
| 235.0 | 0.830 | 68.890 | -11.618 |
| 240.0 | 0.797 | 63.521 | -11.971 |
| 245.0 | 0.756 | 57.154 | -12.430 |
| 250.0 | 0.731 | 53.436 | -12.722 |
| 255.0 | 0.699 | 48.860 | -13.110 |
| 260.0 | 0.676 | 45.698 | -13.401 |
| 265.0 | 0.653 | 42.641 | -13.702 |

| Azim | RelFS | ERP [W] | dBk |
|-------|-------|---------|---------|
| 270.0 | 0.628 | 39.438 | -14.041 |
| 275.0 | 0.610 | 37.210 | -14.293 |
| 280.0 | 0.594 | 35.284 | -14.524 |
| 285.0 | 0.580 | 33.640 | -14.731 |
| 290.0 | 0.571 | 32.604 | -14.867 |
| 295.0 | 0.563 | 31.697 | -14.990 |
| 300.0 | 0.558 | 31.136 | -15.067 |
| 305.0 | 0.554 | 30.692 | -15.130 |
| 310.0 | 0.553 | 30.581 | -15.145 |
| 315.0 | 0.554 | 30.692 | -15.130 |
| 320.0 | 0.558 | 31.136 | -15.067 |
| 325.0 | 0.563 | 31.697 | -14.990 |
| 330.0 | 0.571 | 32.604 | -14.867 |
| 335.0 | 0.583 | 33.989 | -14.687 |
| 340.0 | 0.594 | 35.284 | -14.524 |
| 345.0 | 0.610 | 37.210 | -14.293 |
| 350.0 | 0.628 | 39.438 | -14.041 |
| 355.0 | 0.653 | 42.641 | -13.702 |