

APPLICATION FOR CONSTRUCTION PERMIT

NEW FM TRANSLATOR STATION
SONORA, CALIFORNIA
BNPFT-20030313ALJ
97.1 MHz / 0.01 kW ND

BOTT COMMUNICATIONS, INC.

MARCH, 2013

APPLICATION FOR CONSTRUCTION PERMIT

The following engineering statement and attached exhibits have been prepared for **Bott Communications, Inc.** ("BCI"), applicant for a new FM translator facility to serve Sonora, California, and are in support of their application for construction permit for that facility. This application is being filed as the long-form submission for the original short-form engineering proposal under FCC File No. BNPFT-20030313ALJ.¹

The proposed facility would operate with an effective radiated power of 10 Watts at a center of radiation of 1048.49 meters above mean sea level utilizing a directional antenna. The primary station for the proposed facility is KCIV(FM) at Mount Bullion, California.² The proposed facility would function as a fill-in translator for the commercially licensed KCIV(FM). Exhibit E-1 illustrates the predicted 54 dBu service contour of KCIV(FM) along with the 54 dBu service contour of the proposed facility.³

The facility proposed under this long-form application is identical to that filed under the short-form engineering proposal. There is a one-second difference in the longitude between that specified under the short-form proposal and that listed on the form pages in this application. This variance of one second of longitude is a result of a correction of the geographic coordinates associated with the facility, which was filed in 2005. Since there is no actual change in the proposed site location, the proposed facility will not impact Appendix A markets.

¹ The Facility ID for NEW / BNPFT-20030313ALJ at Sonora, California is 142351.

² The Facility ID for KCIV(FM) at Mount Bullion, California is 6504.

³ KCIV(FM) is licensed as a class B facility, thus the service contour for the proposed translator is the 54 dBu contour rather than a field strength of 60 dBu.

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The proposed facility would comply with the contour overlap and interference provisions of Section 74.1204 of the Commission's Rules. Exhibit E-2 is a tabular based allocation study for the proposed facility. As this study demonstrates, the proposed facility would meet all of the contour overlap requirements to all relevant facilities in the region. This study is illustrated graphically in Exhibit E-3.

The facility specified in this application would not constitute a significant environmental impact, and is exempt from environmental processing. The translator would utilize an existing tower that is registered with the Commission. The addition of the translator antenna to this tower would not increase the existing environmental impact already present from the facility.

In addition, the proposed facility would not constitute a radiofrequency radiation hazard to persons at the site. Assuming a worst case scenario, the predicted power density from the proposed translator at ground level was calculated using the OET Bulletin 65 equations. Under this equation, the assumption was made that the antenna radiates uniformly in all directions with 1.0 as the relative field. The worst case power density at ground level is therefore calculated to be $0.0756 \mu\text{W}/\text{cm}^2$ at all locations in the vicinity of the tower and at all distances from the tower base. This value is considerably less than the maximum permissible under the uncontrolled environment condition, and represents 0.0378 percent of the maximum permissible $200 \mu\text{W}/\text{cm}^2$. BCI is therefore categorically excluded due to the extremely low power density predicted.

BCI certifies that it will coordinate with all present and future users of the site to ensure that workers having access to the site are not exposed to levels of radiofrequency radiation in excess

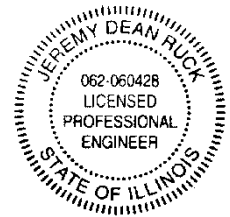
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of the applicable safety standards. Such coordination will include, but is not necessarily limited to, a reduction in transmitter power or cessation.

The preceding statement and attached exhibits have been prepared by me, or under my direction, and are true and accurate to the best of my belief and knowledge.



Above signature is digitized copy of actual signature
License Expires November 30, 2013

Jeremy D. Ruck, PE
March 26, 2013

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3.26.2013

634171.X
BNPFT20030313ALJ
Latitude: 38-00-30.30 N
Longitude: 120-21-44.20 W
ERP: 0.01 kW
Channel: 246
Frequency: 97.1 MHz
AMSL Height: 1048.49 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None

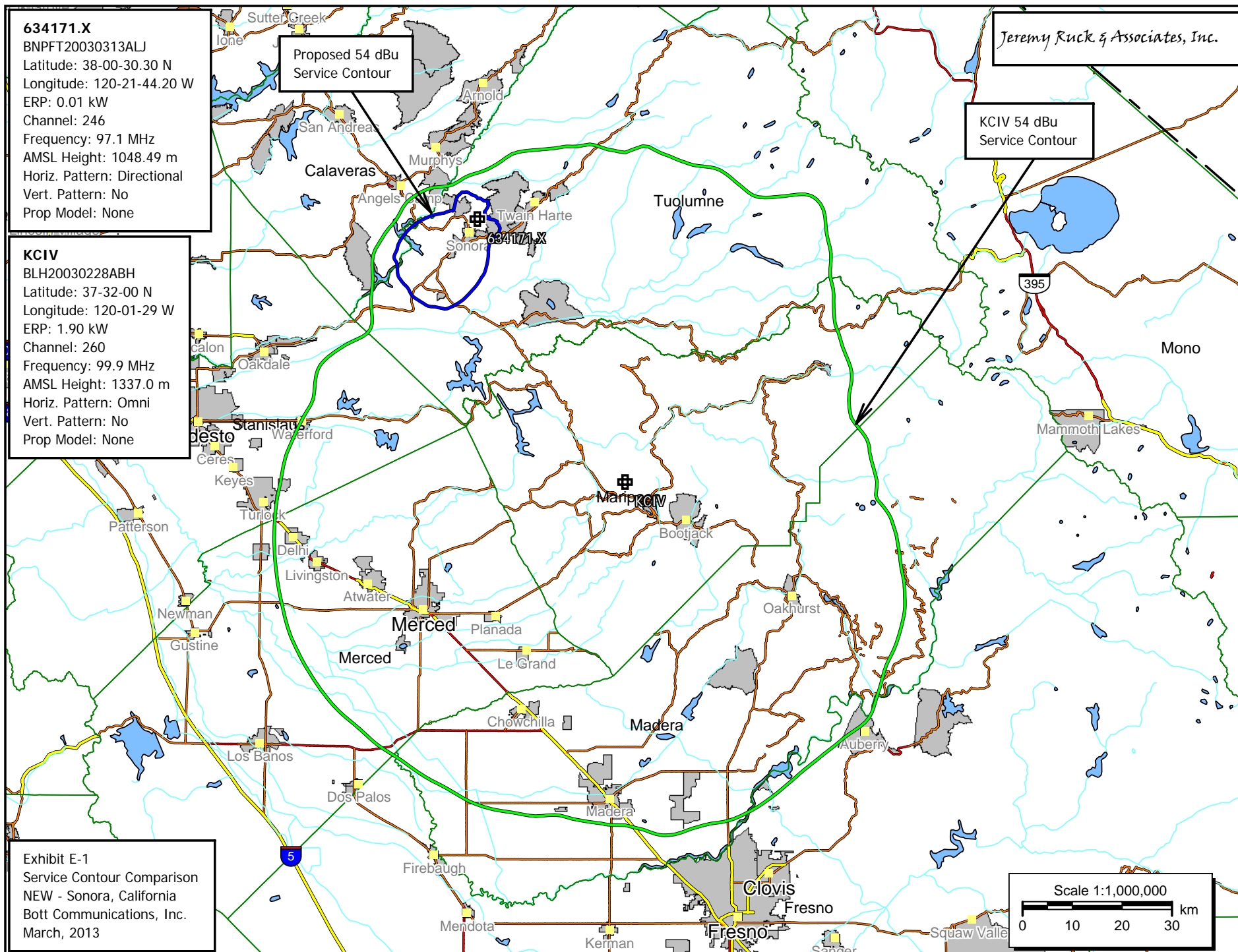
KCIV
BLH20030228ABH
Latitude: 37-32-00 N
Longitude: 120-01-29 W
ERP: 1.90 kW
Channel: 260
Frequency: 99.9 MHz
AMSL Height: 1337.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

Exhibit E-1
Service Contour Comparison
NEW - Sonora, California
Bott Communications, Inc.
March, 2013

Proposed 54 dBu
Service Contour

Jeremy Ruck & Associates, Inc.

KCIV 54 dBu
Service Contour



Jeremy Ruck & Associates, Inc.
Consulting Engineers - Canton, Illinois

Exhibit E-2 - Tabular Allocation Study
NEW - Sonora, California
CH# 246D - 97.1 MHz, Pwr= 0.01 kW DA, HAAT= 369.3 M, COR= 1048 M
Average Protected F(50-50)= 11.19 km
Standard Directional

REFERENCE
38 00 30.3 N.
120 21 44.2 W.

DISPLAY DATES
DATA 03-26-13
SEARCH 03-27-13

| CH CITY | CALL | TYPE ANT STATE | AZI <-- | DIST FILE # | LAT LNG | PWR(kW) HAAT(M) | INT(km) COR(M) | PRO(km) LICENSEE | *IN* (Overlap in km) | *OUT* |
|---------------------|---------|-------------------|----------------|--------------------------|---------------------------|--------------------|-------------------|-------------------------------------|-------------------------|--------|
| 246D Sonora | 634171 | APP DC_ CA | 0.0 66.0 | 0.00 BNPFT20030313ALJ | 38 00 30.0 120 21 45.0 | 0.010 370 | 3.8 1048 | 1.6 Bott Communications, Inc. | -6.2* | -13.2* |
| 246A Patterson | KTSE-FM | LIC _CX CA | 233.2 52.6 | 95.05 BLH20020731AAG | 37 29 34.0 121 13 29.0 | 1.350 151 | 92.8 353 | 35.0 Entravision Holdings, LLC | -10.8 | 11.7 |
| 247C Carson City | KOLC | LIC _CN NV | 22.0 202.4 | 149.80 BMLH19860530KA | 39 15 21.0 119 42 37.0 | 87.000 644 | 143.5 2295 | 97.8 Americom Las Vegas Limited | 3.6 | 47.8 |
| 248B Merced | KABX-FM | LIC DC_ CA | 162.9 343.0 | 65.46 BLH20000103ABD | 37 26 44.0 120 08 37.0 | 8.800 354 | 1.7 748 | 40.7 Mapleton License Of Merced | 54.1 | 22.3 |
| 245B Sacramento | KSEG | LIC _C_ CA | 306.5 125.8 | 120.47 BLH19990714KC | 38 38 53.0 121 28 38.0 | 50.000 152 | 77.9 165 | 64.9 Entercom Sacramento License | 36.6 | 46.5 |
| 244A Riverbank | KMRQ | LIC _CX CA | 233.7 53.3 | 61.31 BLH20100405ABY | 37 40 49.8 120 55 25.5 | 6.000 91 | 2.4 122 | 24.1 Capstar Tx LLC | 45.9 | 37.0 |

Terrain database is FCC NGDC 30 Sec , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone= East Zone 2A, Co to 3rd adjacent.
All separation margins (if shown) include rounding
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
***affixed to 'IN' or 'OUT' values = site inside protected contour.
Reference station has protected zone issue:

634171.X
BNPFT20030313ALJ
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Longitude: 120-21-44.20 W
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Channel: 246
Frequency: 97.1 MHz
AMSL Height: 1048.49 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None

Jeremy Ruck & Associates, Inc.

- 54 dBu F(50,50) Contour
- 60 dBu F(50,50) Contour
- 40 dBu F(50,10) Contour
- 48 dBu F(50,10) Contour
- 54 dBu F(50,10) Contour
- 94 dBu F(50,10) Contour
- 100 dBu F(50,10) Contour

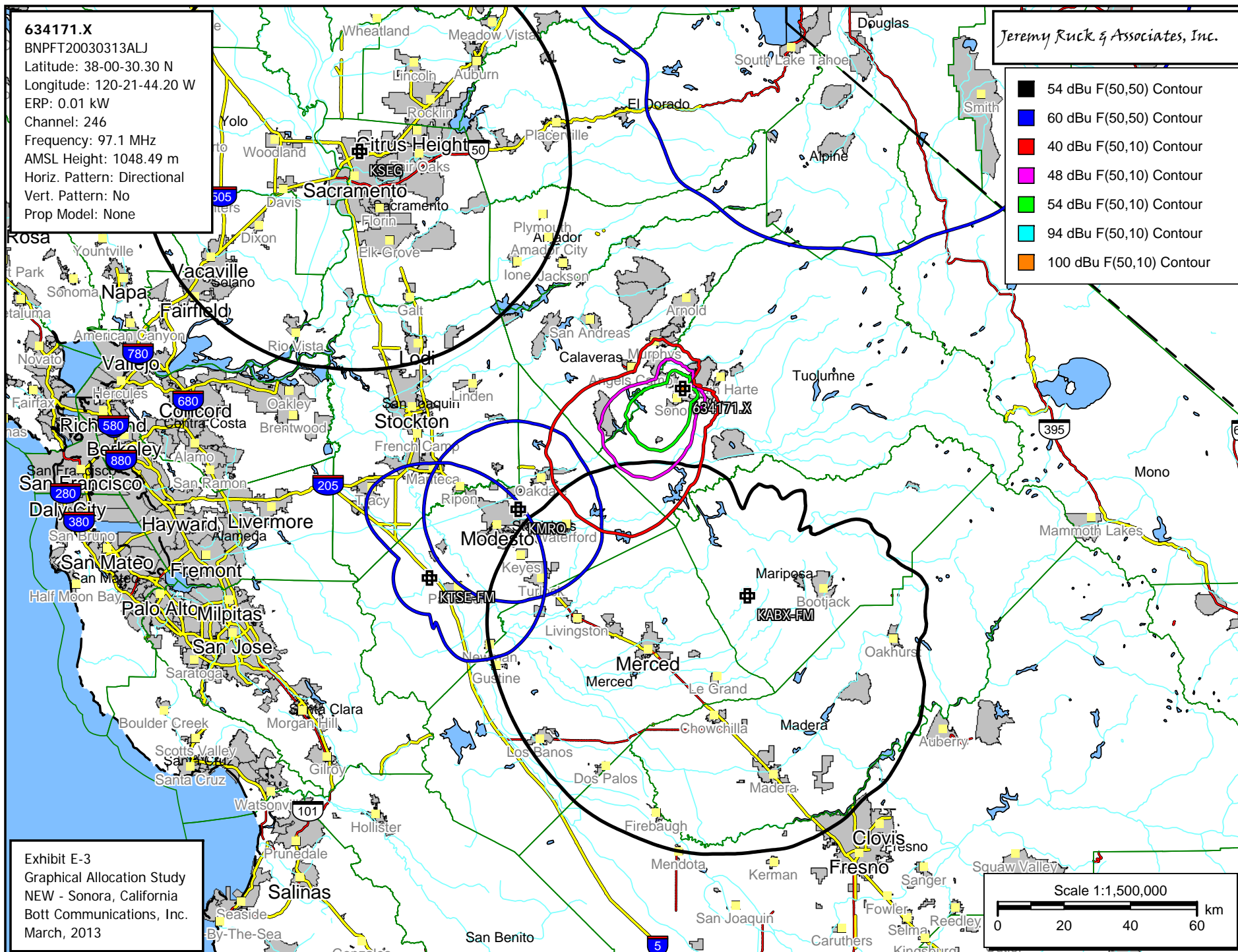


Exhibit E-3
Graphical Allocation Study
NEW - Sonora, California
Bott Communications, Inc.
March, 2013

