Broadcast Engineering Services of Bonny Doon, Inc.

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**Engineering Statement
in support of a Minor Amendment
to the application for a new translator
at
Angels Camp, California
BNPFT-20030317GML**

The applicant is requesting a minor tech box amendment to eliminate conflicts and overlaps with the other application in Group 71. The applicant proposes to reduce the proposed effective radiated power and change to Ch. 257. By reducing the effective radiated power and changing the channel, all conflicts are resolved and no prohibited overlap will result.

This proposal is not located within 39 kilometers of any spectrum limited market grid, nor within a top-50 market. Because of this, no LPFM preclusion study is required.

An allocation study, along with detail maps, is attached to this statement. With regard to the small amount of overlap to KCVR, the applicant requests a waiver of FCC 74.1203 because there is no population within the 100 dbu interference contour of the proposal. Please refer to the KCVR map exhibits for clarification.

Respectfully submitted,

Donald E. Mussell Jr. NCE-CBT
Consulting Engineer
July 21, 2013

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                        Broadcast Engineering Services of Bonny Doon, Inc.
                                      Don Mussell NCE-CBT

                                         Angels Camp
                             Nevada City Community Broadcast Group
REFERENCE          CH#  257D  - 99.3 MHz, Pwr= 0.003 kW,  HAAT= 472.3 M,  COR= 880 M      DISPLAY DATES
38 01 13.0 N.                     Average Protected F(50-50)= 8.53 km                     DATA    07-19-13
120 35 08.0 W.                           Omni-directional                                SEARCH 07-21-13
-------------------------------------------------------------------------------------------------------
CH    CALL       TYPE  ANT    AZI    DIST          LAT         PWR(kW) INT(km)   PRO(km)   *IN*      *OUT*
CITY             STATE        <--    FILE #        LNG         HAAT(M) COR(M)    LICENSEE  (Overlap in km)
-------------------------------------------------------------------------------------------------------
257A  KJOY       LIC ZCN      267.3  61.78         37 59 30.0  4.000   83.2      27.7      -29.9*     2.4
Stockton          CA          86.8   BLH20000509AAA 121 17 17.0 98     130       Radio License Holding Cbc,

255A  KCVR-FM    LIC _CN      84.2   19.19         38 02 15.0  6.000    4.3      47.8       6.5      -28.7*
Columbia          CA          264.3  BLH19960509KC  120 22 05.0 100     818       Entravision Holdings, Llc

258D  649432     APP _C_       0.0    0.00         38 01 13.0  0.010   18.7      12.3     -27.2*    -25.2*
Angels Camp       CA           0.0   BNPFT20030317GML 120 35 08.0 472   880       Nevada City Community Broa

260B  KCIV       LIC _CX      137.5  73.22         37 32 00.0  1.900    2.9      69.6      61.2       3.3
Mount Bullion     CA          317.9  BLH20030228ABH 120 01 29.0 638     1337      Bott Communications, Inc.

258D  649237     APP _C_      341.7  37.39         38 20 24.0  0.010   17.7      11.8      11.1      12.2
Jackson           CA          161.6  BNPFT20030317HKX 120 43 13.0 336   803       Your Christian Companion N

259D  636957     APP _C_       3.1   45.45         38 25 45.0  0.150    0.9      19.6      36.1      24.2
Sutter Creek      CA          183.2  BNPFT20030313ARE 120 33 25.0 179   1055      Kcfa, Inc.

258A  KLVB       LIC _CX      327.7  81.93         38 38 32.0  5.100   47.1      30.3      26.9      37.4
Citrus Heights    CA          147.4  BLED20080402ACU 121 05 25.0 109   295       Educational Media Foundati

259D  649592     APP _C_      333.1  41.31         38 21 06.7  0.010    0.2       6.8      32.4      33.6
Jackson           CA          153.0  BNPFT20030317GWM 120 47 59.3 166   508       R & L Non-com

258D  K258AB     LIC _CN      221.1  55.76         37 38 30.0  0.080    9.6       6.7      37.2      35.2
Modesto           CA          40.9   BLFT19990604UA  121 00 07.0 51     76        Educational Media Foundati
Translator for KLVN, Chowchilla, CA. Granted 5-25-99

258D  K258AU     LIC _C_      169.0  67.14         37 25 35.0  0.010    9.9       7.0      48.3      46.2
Merced            CA          349.1  BLFT20051221AOK 120 26 25.0 147   237       California State Universit

257B1 KJWL       LIC NCX      153.4  159.23        36 44 07.0  14.500  101.0     39.4      49.4      77.7
Fresno            CA          333.9  BLH20040112ACI 119 47 09.0 105    185       John Edward Ostlund

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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.
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.
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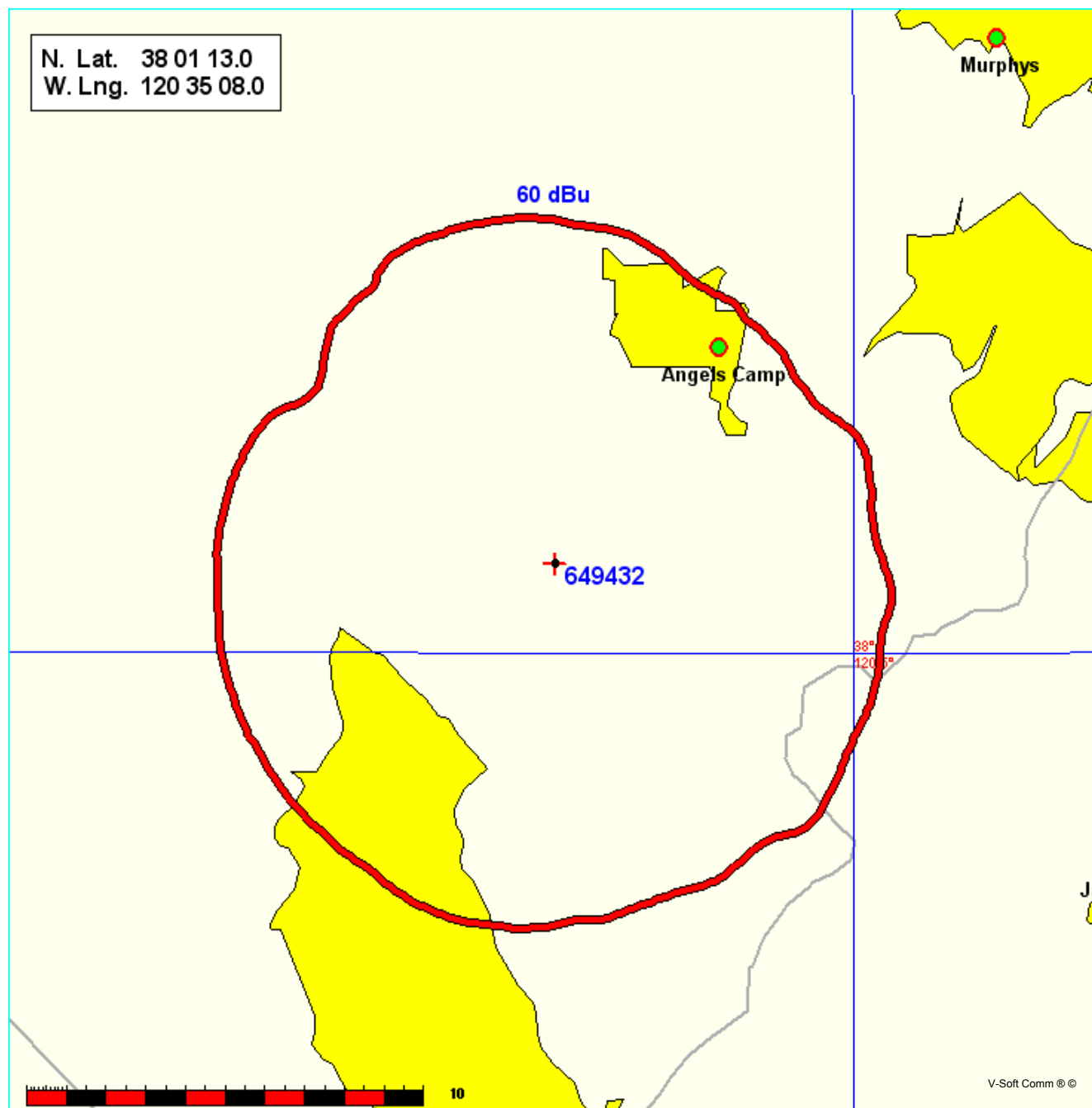
Angels Camp
Nevada City Community Broadcast Group

Coverage Study - FCC NGDC 30 Sec
07-21-2013

649432 CH257 D , 0.003 kW, 472.3M HAAT, 880.0M COR AMSL
Service Contour = 60 dBu. Population = 4,491

N. Lat.   38 01 13.0
W. Lng. 120 35 08.0

Murphys

60 dBu

Angels Camp

+649432

38°
120°5°

Ja

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V-Soft Comm ® ©

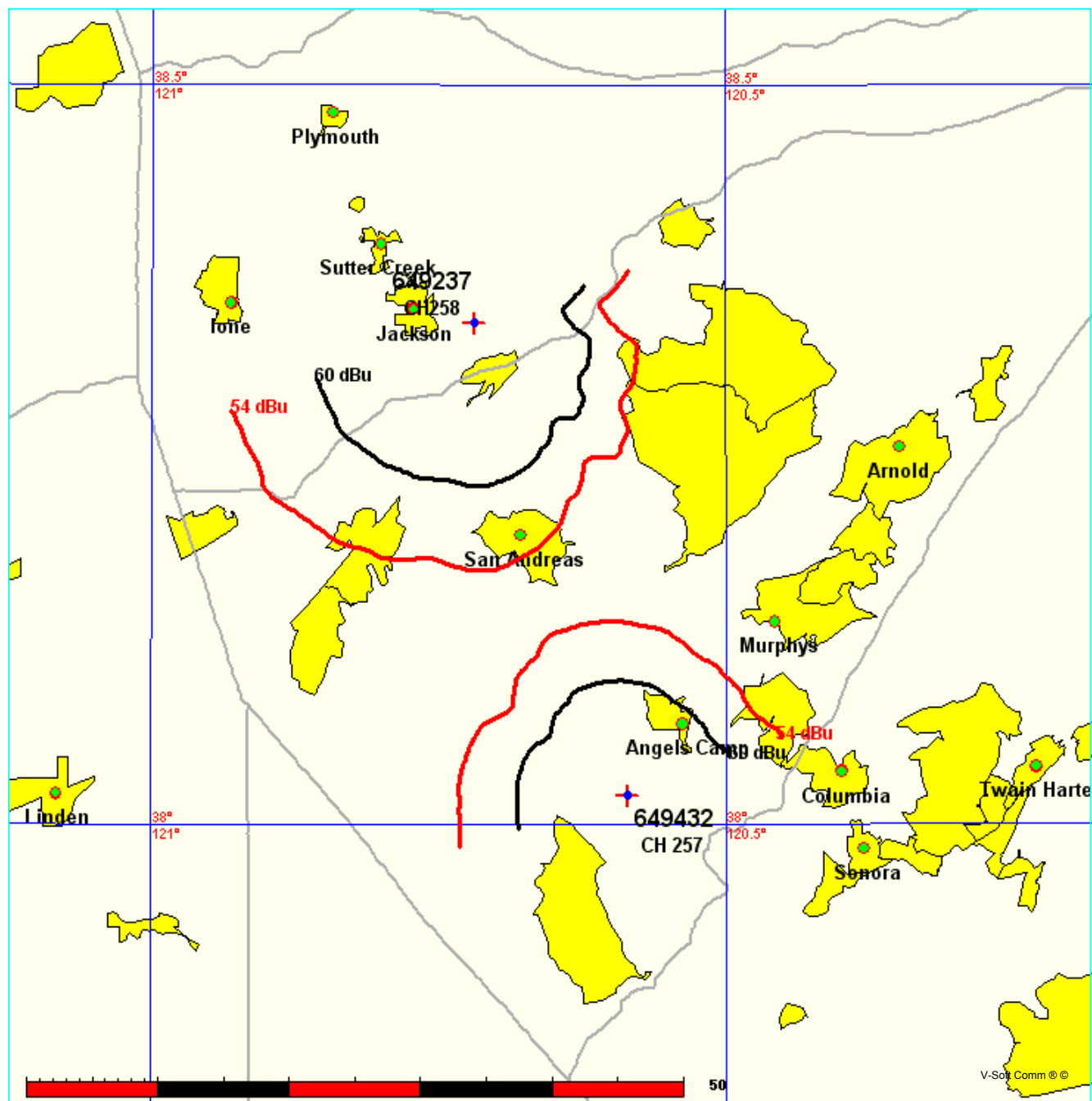Broadcast Engineering Services of Bonny Doon, Inc. Don Mussell NCE-CBT

Angels Camp
Nevada City Community Broadcast Group

FMCommander Single Allocation Study - 07-21-2013 - FCC NGDC 30 Sec
649432's Overlaps (In= 11.07 km, Out= 12.17 km)

649432 CH 257 D
Lat= 38 01 13.0,   Lng= 120 35 08.0
0.003 kW 472.3 M HAAT, 880 M COR
Prot.= 60 dBu, Intef.= 54 dBu

649237 CH 258 D   BNPFT20030317HKX
Lat= 38 20 24.0,   Lng= 120 43 13.0
0.01 kW 335.9 M HAAT, 803 M COR
Prot.= 60 dBu, Intef.= 54 dBu

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Nevada City Community Broadcast Group

FMCommander Single Allocation Study - 07-21-2013 - FCC NGDC 30 Sec
649432's Overlaps (In= 61.21 km, Out= 3.32 km)

649432 CH 257 D   KCIV CH 260 B   BLH20030228ABH
Lat= 38 01 13.0,   Lng= 120 35 08.0   Lat= 37 32 00.0,   Lng= 120 01 29.0
0.003 kW 472.3 M HAAT, 880 M COR   1.9 kW 638.3 M HAAT, 1337 M COR
Prot.= 60 dBu, Intef.= 94 dBu   Prot.= 54 dBu, Intef.= 100 dBu
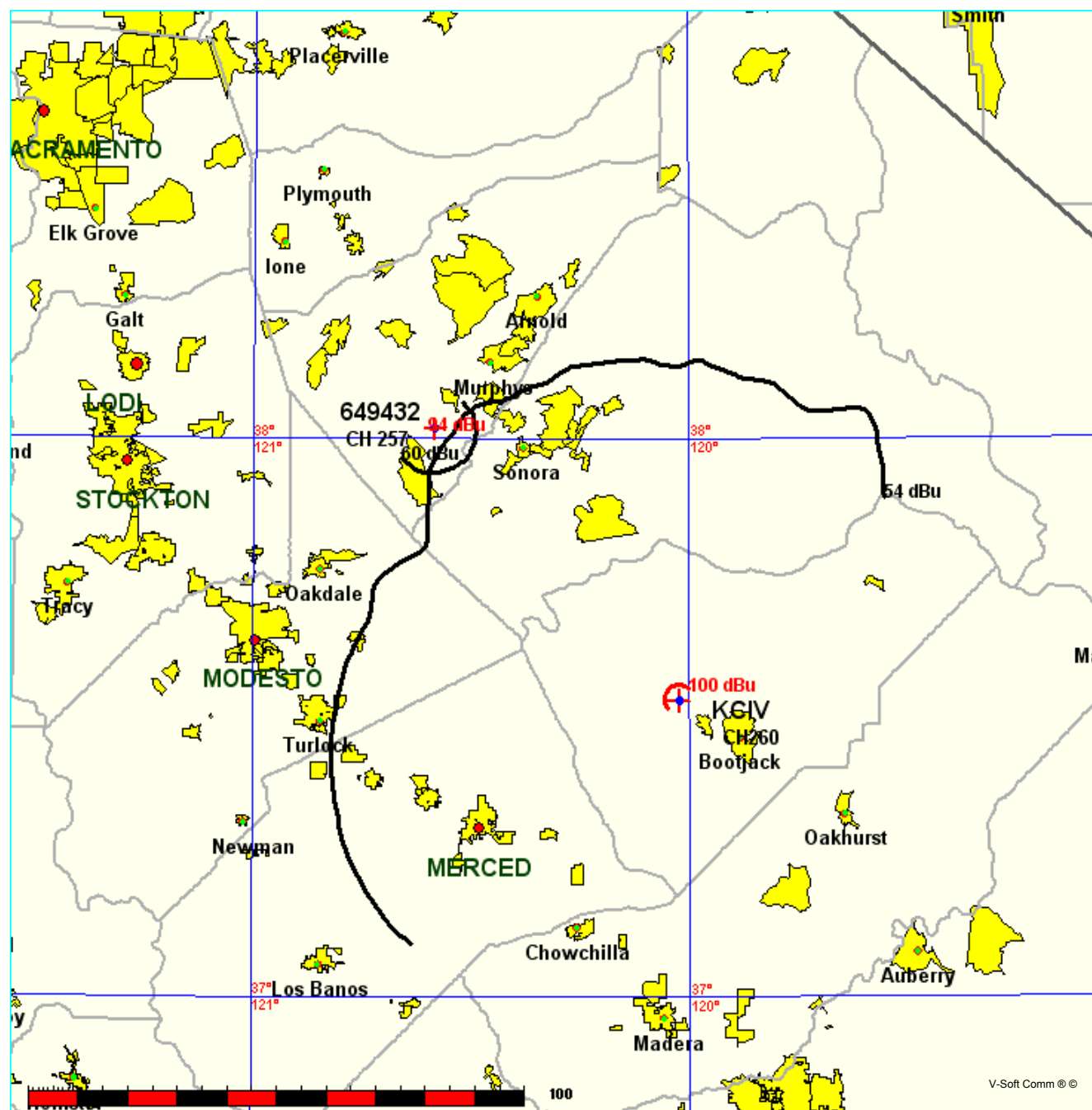
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Angels Camp
Nevada City Community Broadcast Group

FMCommander Single Allocation Study - 07-21-2013 - FCC NGDC 30 Sec
649432's Overlaps (In= -29.86 km, Out= 2.36 km)

649432 CH 257 D
Lat= 38 01 13.0,   Lng= 120 35 08.0
0.003 kW 472.3 M HAAT, 880 M COR
Prot.= 60 dBu, Intef.= 40 dBu

KJOY CH 257 A   73.215 Z BLH20000509AAA
Lat= 37 59 30.0,   Lng= 121 17 17.0
4.0 kW 98 M HAAT, 130 M COR
Prot.= 60 dBu, Intef.= 40 dBu

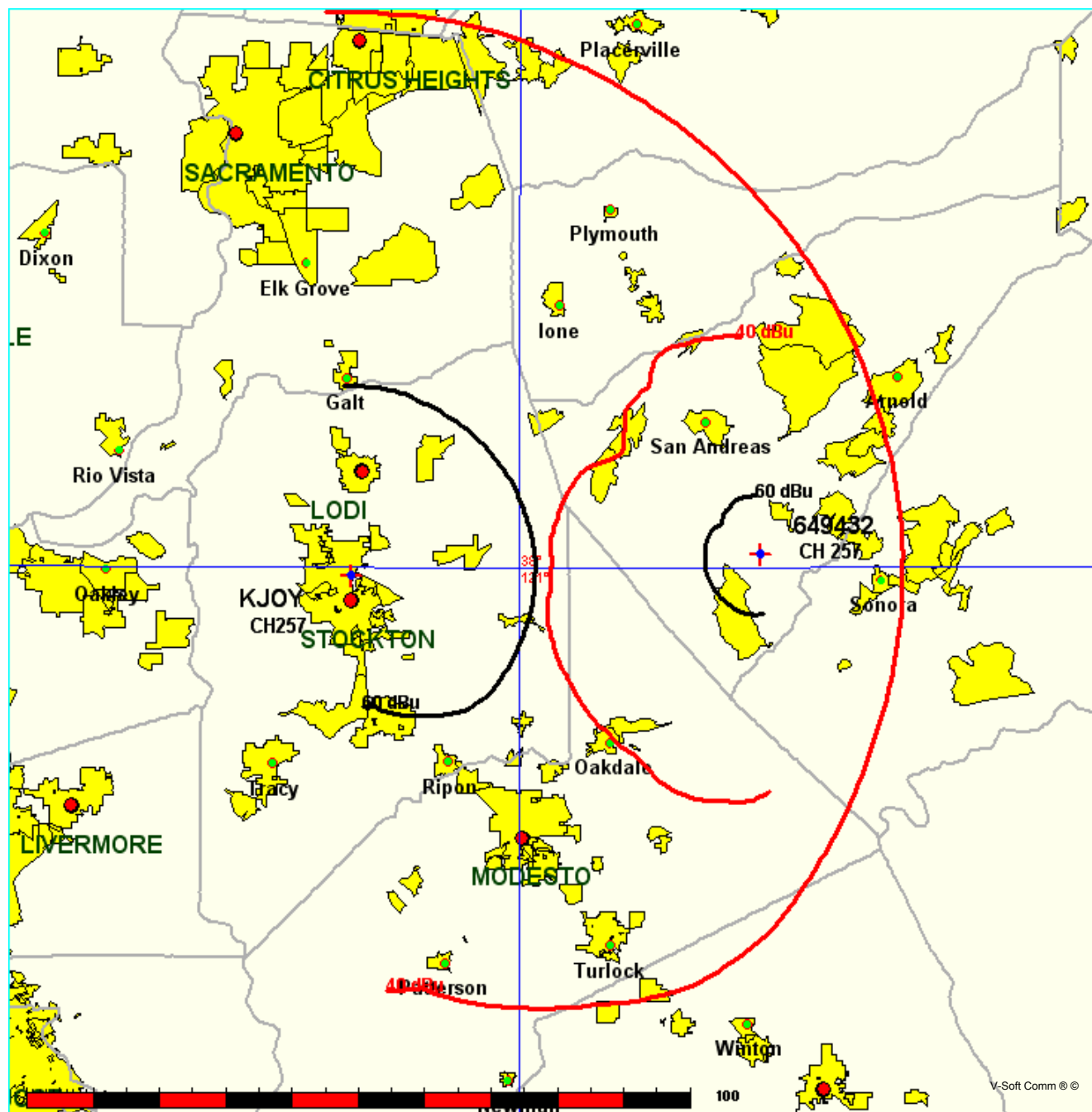Broadcast Engineering Services of Bonny Doon, Inc. Don Mussell NCE-CBT

Angels Camp
Nevada City Community Broadcast Group

FMCommander Single Allocation Study - 07-21-2013 - FCC NGDC 30 Sec
649432's Overlaps (In= 6.51 km, Out= -28.68 km)

649432 CH 257 D   KCVR-FM CH 255 A   BLH19960509KC
Lat= 38 01 13.0, Lng= 120 35 08.0   Lat= 38 02 15.0, Lng= 120 22 05.0
0.003 kW 472.3 M HAAT, 880 M COR   6.0 kW 100 M HAAT, 818 M COR
Prot.= 60 dBu, Intef.= 100 dBu   Prot.= 60 dBu, Intef.= 100 dBu
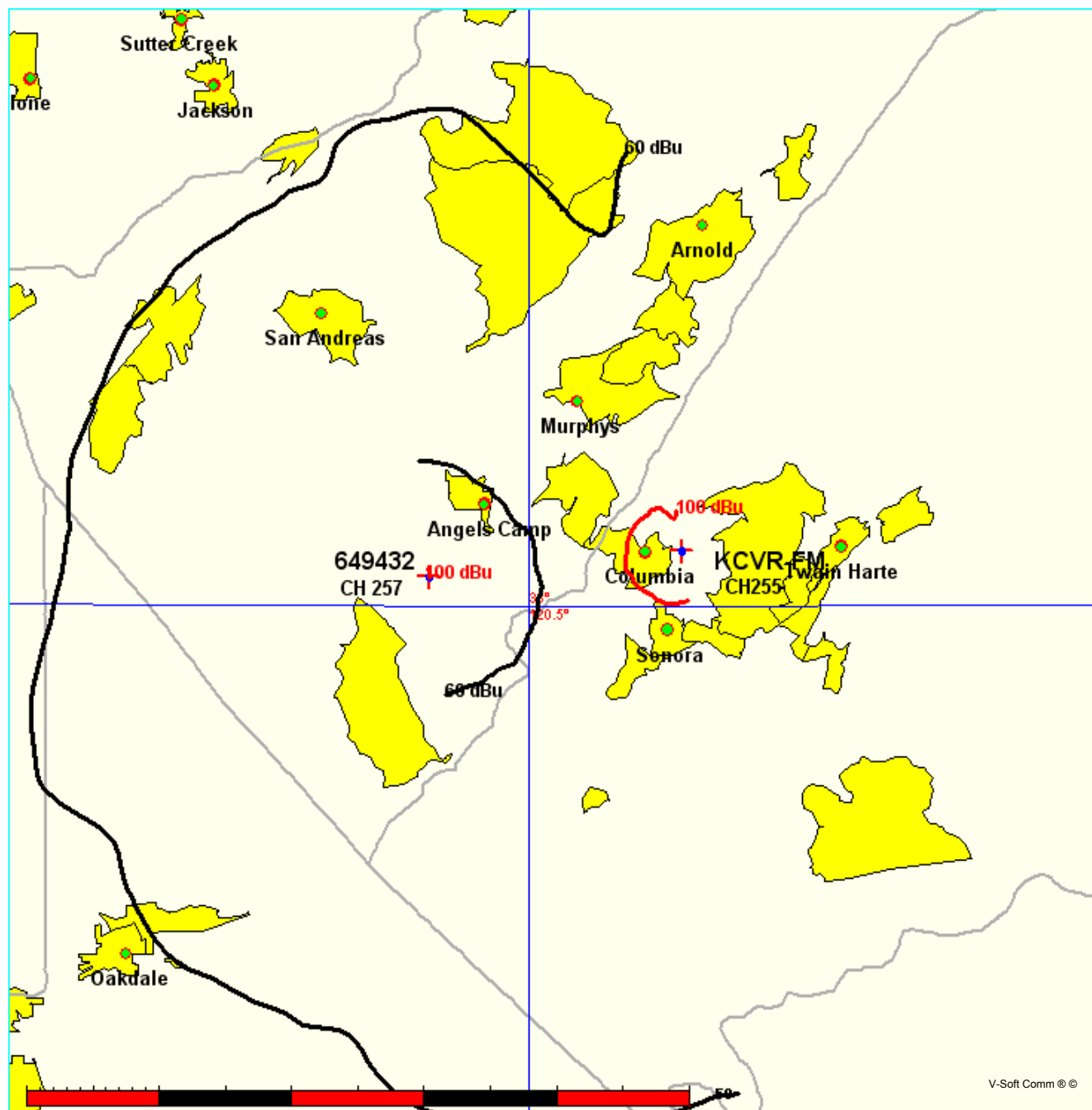
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Angels Camp
Nevada City Community Broadcast Group

Coverage Study - FCC NGDC 30 Sec
07-21-2013

649432 CH257 D , 0.003 kW, 472.3M HAAT, 880.0M COR AMSL
Service Contour = 100 dBu. Population =

N. Lat.   38 01 13.0
W. Lng. 120 35 08.0

Angels Camp

100 dBu F(50-10)
649432

V-Soft Comm ® ©
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Broadcast Engineering Services of Bonny Doon, Inc. Don Mussell NCE-CBT

AFFIDAVIT AND QUALIFICATIONS OF
DONALD E. MUSSELL JR.

State of Hawaii   )
Kilauea   )
County of Kauai   )

        Donald E. Mussell Jr. affirms that he is a consulting radio and electronics engineer; that he is Certified as a Broadcast Engineer, Class 1, by the National Association of Radio and Telecommunications Engineers, Inc., License #E1-00619, issued in 1985;

        That he is recognized as a Broadcast Technologist by the Society of Broadcast Engineers, License # 22301, and a member of the Society of Broadcast Engineers since 1980;

        That he held a First Class Radiotelephone License from 1975 until 1985, when it was replaced by a lifetime General Class Radiotelephone license (PG-12-20588), issued by the Federal Communications Commission in January of 1985;

        That he has submitted many applications to the Federal Communications Commission for broadcast and auxiliary broadcast construction permits and licenses, and that his experience in Radio and Television broadcast engineering extends over four decades;.

        That he declares, under penalty of perjury, that the foregoing engineering exhibits were prepared by him or under his direction and supervision; and that the statements contained therein are true and correct to the best of his belief and knowledge.

Donald E. Mussell Jr. NCE-CBT
Consulting Engineer
July 21, 2013