



Broadcast Engineering Services of Bonny Doon, Inc.

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Donald E. Mussell Jr. NCE-CBT
Consulting Engineer

Engineering Statement Minor Change to K224CZ Coyote, California

The licensee requests to modify K224CZ to eliminate apparent interference to the authorized co-channel facilities of KTOM-FM Marina (BMLH19950908KF). The applicant requests modify the operating frequency of the license to an I.F. channel (Ch. 277D, 103.3 MHz). and to rotate the existing directional antenna to 220 degrees true, this to better serve the existing area of coverage.

The applicant proposes to utilize the currently authorized site on an unpopulated hilltop east of Morgan Hill, using an existing 12 meter tower. The existing/proposed location is an established electronic site. A directional antenna, along with an effective radiated power of 30 watts ERP is proposed. This location, antenna and power level combination is clear of any prohibited overlap to any existing or proposed stations. A complete allocation study, along with relevant contour maps is attached.

This new technical proposal eliminates perceived interference to KTOM-FM in Marina. The translator will continue to operate as a fill-in translator for KSQQ in Morgan Hill, California (BLH-19940801KD).

47 CFR Section 1.1307(b)(4)(i) states, *"With respect to subpart L of part 74 of this chapter, these requirements apply only to FM booster and translator stations transmitting with an effective radiated power (ERP) in excess of 100 watts."*

Since this application proposes less than 100 watts ERP, this application is categorically exempt from environmental processing with respect to RF Radiation and other environmental issues.

The applicant is confident that this site, along with the proposed frequency change, will adequately serve the area of Coyote while resolving any interference concerns that the previous use of Ch. 224D may have raised.

Respectfully submitted,

Donald E. Mussell Jr. NCE-CBT
Consulting Engineer
February 17, 2008

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

Coyote Communications, Inc.

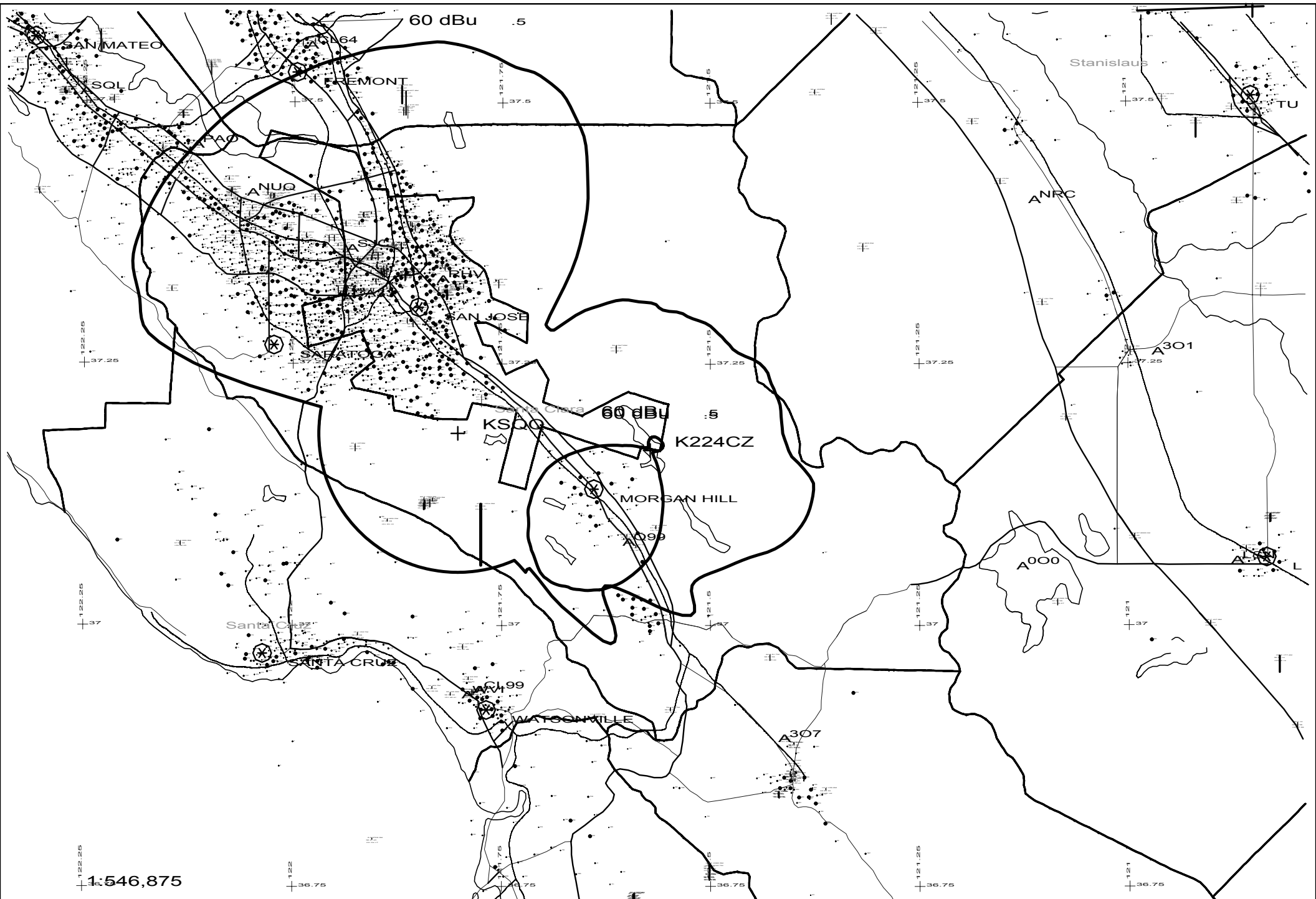
K224CZ Allocation Study

REFERENCE CH# 277D - 103.3 MHz, Pwr= 0.03 kW, HAAT= 0.0 M, COR= 670 M
37 10 03.0 N. Average Protected F(50-50)= 4.13 km
121 34 20.0 W.

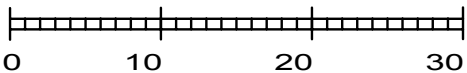
DISPLAY DATES
DATA 02-15-08
SEARCH 02-16-08

CH CITY	CALL	TYPE STATE	ANT AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT* in km)
277B Modesto	KATM	LIC CA	_CN 203.2	23.0 203.2	49.20 BLH19840418DD	37 34 30.0 121 21 13.0	50.000 152	115.0 434	36.1 Citadel Broadcasting	-67.37*< 9.38
277D Watsonville	K277AH	LIC CA	DHN 26.3	206.4 26.3	35.79 BLFT19960910TG	36 52 43.0 121 45 04.0	0.053 -9	12.9 68	4.0 Wolfhouse Radio Group, Inc	6.39 -25.69<
276D Santa Cruz	K276BR	CP CA	DHN 75.2	255.4 75.2	24.75 BMPFT19850924TB	37 06 40.0 121 50 30.0	0.005 830	21.6 1183	12.4 Richard S. Bushell	-8.98< -6.08<
280D Santa Cruz	AP7092	APP CA	DC_ 55.9	236.0 55.9	21.83 BNPFT20030317BGT	37 03 28.0 121 46 34.0	0.011	0.2 760	13.4 The Association For Commun	5.95 8.13
280D Gilroy	AP2269	APP CA	DC_ 55.9	236.0 55.9	21.83 BNPFT20030317MWD	37 03 28.0 121 46 34.0	0.010	0.2 880	14.4 The Association For Commun	5.96 7.08
276D Santa Cruz	K276BR	LIC CA	_CN 68.5	248.8 68.5	47.71 BLFT19840319MQ	37 00 41.0 122 04 20.0	0.005 1034	22.9 1183	12.8 Richard S. Bushell	11.30 14.17
278A Salinas	KRAY-FM	LIC CA	NCN 355.6	175.6 355.6	55.13 BLH19930616KC	36 40 20.0 121 31 28.0	2.500 156	26.0 432	17.7 Wolfhouse Radio Group, Inc	19.42< 22.94
278D Hollister	AP5437	APP CA	_C_ 312.9	132.7 312.9	42.29 BNPFT20030314CDX	36 54 33.0 121 13 22.0	0.010	21.2 1030	13.6 Radio Bilingue, Inc.	20.70 27.95
277D Santa Clara	KSCU	LIC CA	_HN 121.5	301.8 121.5	38.31 BLED19821108AX	37 20 53.0 121 56 25.0	0.030 -2	13.2 75	4.1 Santa Clara University	24.70 30.90
275B Berkeley	KBLX-FM	LIC CA	_CN 127.0	307.5 127.0	95.83 BLH19790419AD	37 41 20.0 122 26 07.0	6.600 393	4.8 450	68.1 Urban Radio Iii, L.l.c.	90.67 27.71
279B San Francisco	KKSF	LIC CA	_C_ 129.8	310.4 129.8	101.54 BLH19990113KB	37 45 19.0 122 27 06.0	7.200 461	5.0 492	71.7 Amfm Broadcasting Licenses	96.14 29.87
275D Hollister	AP0157	APP CA	_C_ 312.9	132.7 312.9	42.33 BNPFT20030317ITO	36 54 32.0 121 13 21.0	0.007	0.2 1043	12.2 Educational Media Foundati	41.76 30.09
275D Hollister	AP1770	APP CA	_C_ 332.8	152.6 332.8	40.61 BNPFT20030317FMF	36 50 33.2 121 21 44.2	0.080	0.6 116	6.8 Radio Assist Ministry, Inc	38.57 33.82
280A Seaside	KKHK	LIC CA	_C_ 25.6	205.8 25.6	71.69 BLH20010924AAD	36 35 09.0 121 55 19.0	1.500 199	2.4 262	32.0 Mapleton License Of Monter	52.84 39.36
275A King City	AL0212	VAC CA	____ 339.7	159.4 339.7	113.32 RM11054	36 12 40.0 121 07 40.0	6.000 100	3.8 345	68.1 Daniel R. Feely	106.70 45.18
279D Pleasanton, Etc.	KKSF-FM1	LIC CA	DVN 158.9	339.1 158.9	84.95 BLFTB19990225UA	37 52 54.0 121 55 05.0	0.185 1000	0.6 1155	27.6 Amfm Broadcasting Licenses	83.84 57.30
275D Chualar	AP6154	APP CA	_C_ 350.0	169.9 350.0	66.03 BNPFT20030317EHW	36 34 54.0 121 26 34.0	0.250	1.1 339	7.1 King City Communications C	57.78 58.84
279D Turlock	K279AM	LIC CA	_C_ 234.7	54.2 234.7	78.87 BLFT20070406ABC	37 34 46.0 120 50 48.0	0.019	0.3 140	7.4 Horizon Christian Fellowsh	77.03 71.48
277D Daly City	AP9995	APP CA	DC_ 127.0	307.5 127.0	96.02 BNPFT20030314CDW	37 41 24.0 122 26 13.0	0.023	22.6 382	5.9 Big Bend Broadcasting	73.00 86.82
277D Broadmoor	AP0230	APP CA	_C_ 127.0	307.5 127.0	95.87 BNPFT20030317COX	37 41 21.0 122 26 08.0	0.001	21.3 394	5.3 Broadcast Towers, Inc.	74.21 87.25
276B1 Oakhurst	KAAT	LIC CA	_C_ 260.1	78.9 260.1	174.92 BLH20000309AAY	37 27 10.0 119 37 54.0	25.000 -59	98.7 1468	74.4 California Sierra Corporat	74.93 98.29

Terrain database is NGDC 30 SEC Distance + R = 73.215 or FCC Spacings in KM, Distance + M = Margin in KM
Contour distances are on direct line to and from reference station. Reference zone = 1A. With 3rd Adj Channels.
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.
"<" = Contour Overlap



Scale in km



K224CZ Mod contour

N. Lat. 37 10 03 W. Lng. 121 34 20

K224CZ Modification

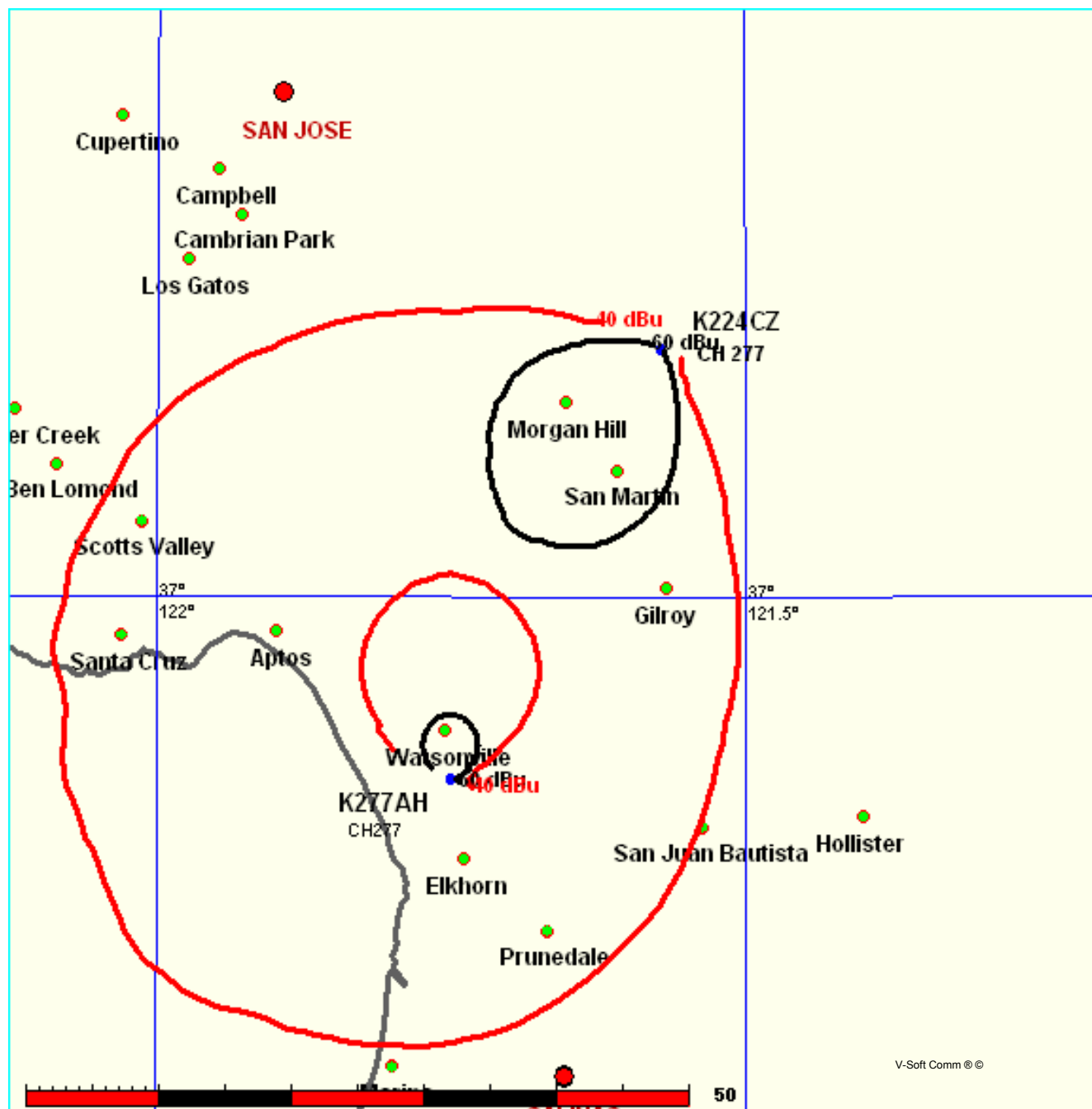
Don Mussell NCE CBT - 01/08

Coyote Communications, Inc.
K224CZ-K277AH

FMCommander Single Allocation Study
02-16-2008

K224CZ CH 277 D
0.03 kW 670 M COR DA
Prot. = 60 dBu
Intef. = 40 dBu

K277AH CH 277 D BLFT19960910TG
0.053 kW, 68 M COR DA
Prot. = 60 dBu
Intef. = 40 dBu

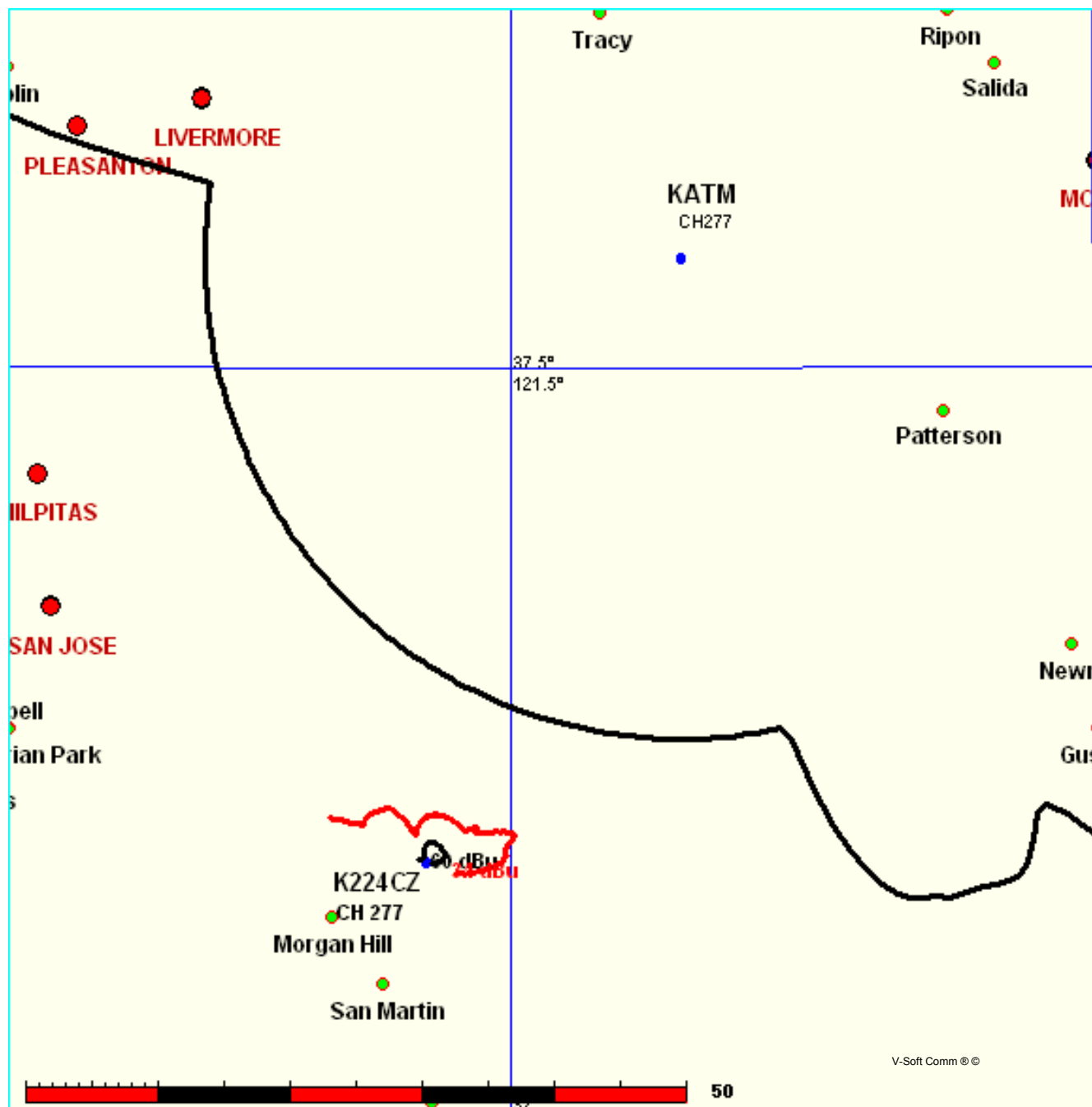


Coyote Communications, Inc.
K224CZ-KATM

FMCommander Single Allocation Study
02-16-2008

K224CZ CH 277 D
0.03 kW 670 M COR DA
Prot. = 60 dBu
Intef. = 34 dBu

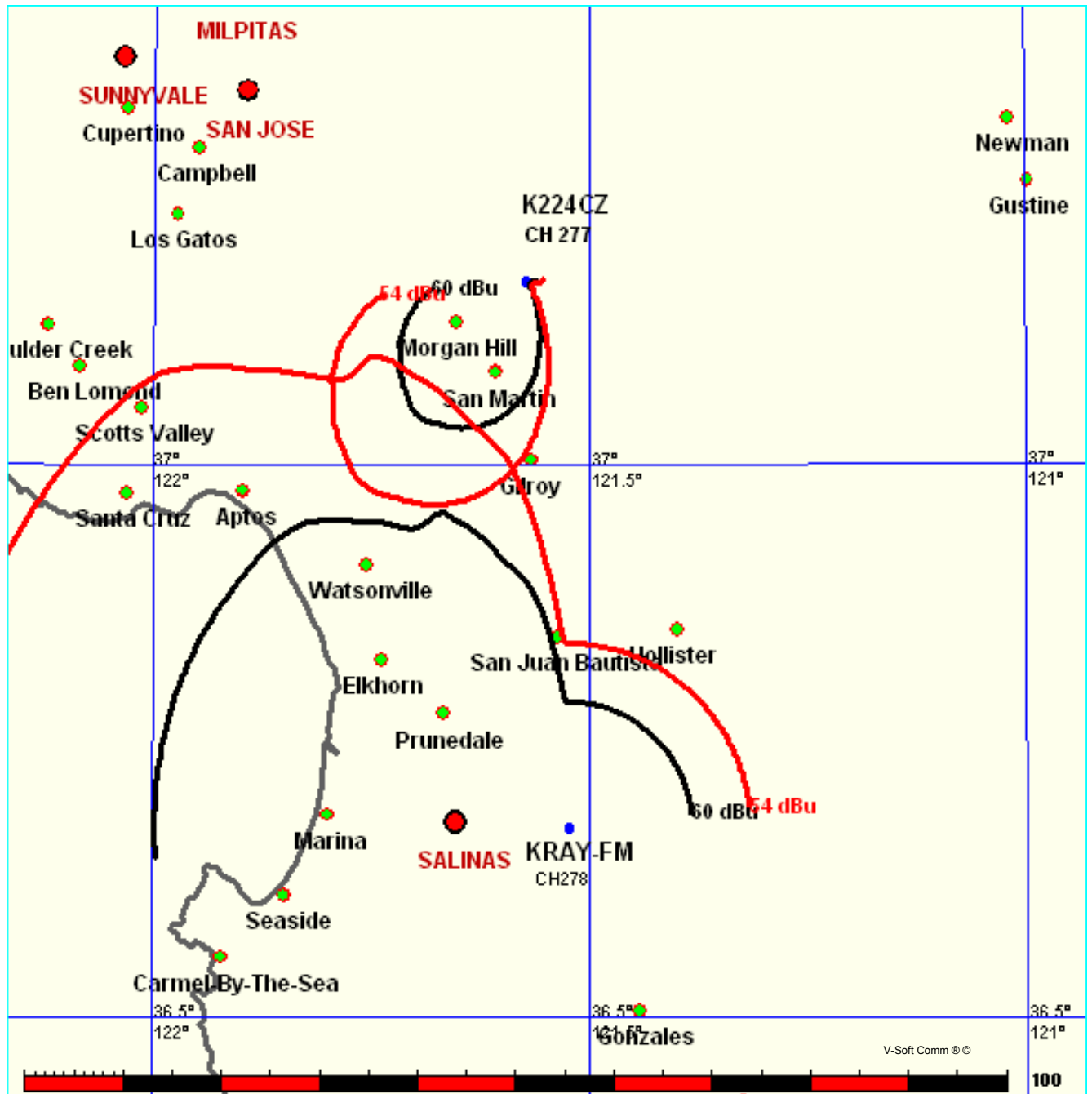
KATM CH 277 B BLH19840418DD
50.0 kW, 434 M COR
Prot. = 54 dBu
Intef. = 40 dBu



Coyote Communications, Inc.
K224CZ-KRAY

FMCommander Single Allocation Study
02-16-2008

K224CZ	CH 277 D	KRAY-FM	CH 278 A	BLH19930616KC
0.03 kW	670 M COR DA	2.5 kW,	432 M COR	
Prot. =	60 dBu	Prot. =	60 dBu	
Intef. =	54 dBu	Intef. =	54 dBu	

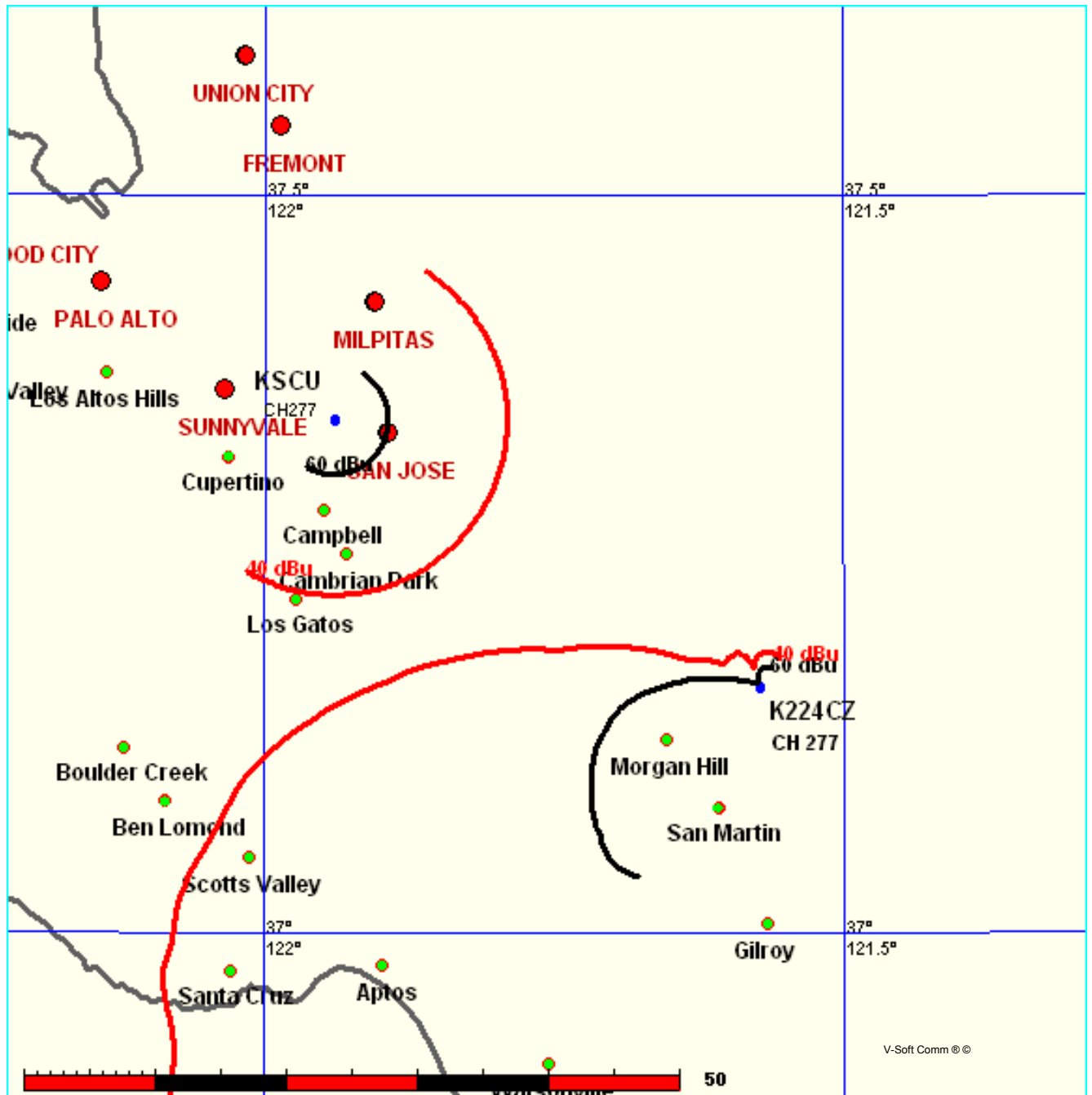


Coyote Communications, Inc.
K224CZ-KSCU

FMCommander Single Allocation Study
02-16-2008

K224CZ CH 277 D
0.03 kW 670 M COR DA
Prot. = 60 dBu
Intef. = 40 dBu

KSCU CH 277 D BLED19821108AX
0.03 kW, 75 M COR
Prot. = 60 dBu
Intef. = 40 dBu



**AFFIDAVIT AND QUALIFICATIONS OF
DONALD E. MUSSELL JR.**

State of California)
Bonny Doon)
County of Santa Cruz)

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 three 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.

A handwritten signature in black ink, appearing to read 'Donald E. Mussell Jr.', with a stylized, cursive script.

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Consulting Engineer
February 17, 2008