

Broadcast Engineering Services of Bonny Doon, Inc.

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**Engineering Statement in support of a Minor Change
KZET Cortez, New Mexico
BLED-20111122COP**

Community Radio Project (CRP) is requesting a minor change to KZET (BLED-20111122COP). CRP proposes to migrate to first adjacent Ch 213 (90.5 mhz), change the location and height of the antenna system, and increase the effective radiated power to 1.9 kilowatts. CRP proposes using a two-bay circularly polarized non-directional antenna system on an existing tower. The tower is 29 meters in height, and the proposed radiation center above mean sea level is 2753 meters, and 901.8 meters above average terrain. The ground elevation is 2729 meters above sea level. The proposed center of the antenna array is 24 meters above ground.

The proposed antenna system is a Shively 6813-2R-.925-SS, a two bay, .925 wave spaced design. This antenna will produce a calculated worst-case RFR energy field of 26 microwatts per squared centimeter at a distance of 13.2 meters from the base of the tower support structure. This is 13 % of the public limit, and is therefore compliant with the FCC rules concerning RFR both on and adjacent to the proposed tower location.

An allocation study for Ch. 213 was performed to verify clearances to other authorized facilities surrounding the proposed site. One conflict was found, which is addressed in the applicant statement below. The construction permit for KFDC, Shiprock, New Mexico (BNPED-20071022BJP) expired on January 8th, 2012. There are no other conflicts with the proposed KIPM facilities.

Statement regarding KFDC Construction Permit File No.: BNPED-20071022BJP:

In December 2011, Community Radio Project, Inc. attended a Board Meeting of Dine Agriculture, designee for the KFDC CP. Dine Agriculture indicated in this meeting and through subsequent conversations with their General Counsel that KFDC has not been constructed and will not be constructed.

Verification of the status of KFDC can be made by contacting:

Matt Van Wormer
DNA – People's Legal Services
P.O. Box 987, Shiprock, NM 87420
505-368-3211, fax 505-368-3212
mvan@dnalegalservices.org

CRP is ready to construct the facility with these specified changes. Once this modification is granted, construction will commence on the transmission facilities and will be completed well within the time limitations imposed by the construction permit.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'D. Mussell Jr.', with a stylized, cursive flourish at the end.

Donald E. Mussell Jr. NCE-CBT
Consulting Engineer
January 9, 2012

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

KZET Minor Change Community Radio Project											
REFERENCE		CH# 213C1 - 90.5 MHz, Pwr= 1.9 kw, HAAT= 901.8 M, COR= 2753 M							DISPLAY DATES		
37 13 10.0 N.		Average Protected F(50-50)= 59.9 km							DATA 01-02-12		
108 48 26.0 W.		Omni-directional							SEARCH 01-07-12		
CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
213C0	KFDC	CP	DCX	197.0	88.0	36 27 39.4	11.000	163.6	64.5	-134.1*	-120.2
	Shiprock		NM	16.9	BNPED20071022BJP	109 05 45.7	741	3004			
212A	KZET	LIC	_CX	41.9	39.3	37 28 57.0	0.100	26.7	18.0	-42.6*	-64.4
	Cortez		CO	222.1	BLED20111122COP	108 30 34.0	100	2269			
214A	KTEI	LIC	_HX	40.3	113.0	37 59 30.0	0.250	47.9	30.7	9.8	0.5
	Placerville		CO	220.8	BLED20071012AOD	107 58 21.0	449	3359			
216C	NEW	CP	DCX	319.8	89.8	37 50 04.0	18.000	7.4	82.8	24.2	3.8
	Dove Creek		CO	139.4	BMPED20090603AFO	109 28 00.0	976	3401			
213A	KCIE	LIC	DEN	98.6	165.4	36 59 00.0	0.100	57.2	13.5	52.7	9.3
	Dulce		NM	279.7	BLED19901001KA	106 58 12.0	468	2757			
215C3	KSJE	LIC	_CN	137.9	78.0	36 41 52.0	15.000	4.6	43.5	11.1	30.9
	Farmington		NM	318.2	BLED19901108KB	108 13 14.0	119	1824			
211C1	KUTE	LIC	DVN	79.6	92.3	37 21 51.0	3.000	1.9	45.0	30.8	38.9
	Ignacio		CO	260.2	BLED19980717KA	107 46 56.0	599	3029			
	Vertical Polarization Only										
212A	NEW	CP	_CX	48.3	134.0	38 00 57.0	3.000	19.5	13.2	56.8	36.0
	Ouray		CO	229.0	BNPED20071018AWW	107 39 59.0	-764	2521			

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= - Zone 2, 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.
« = Station meets FCC minimum distance spacing for its class.

KZET - KTEI
Community Radio Project

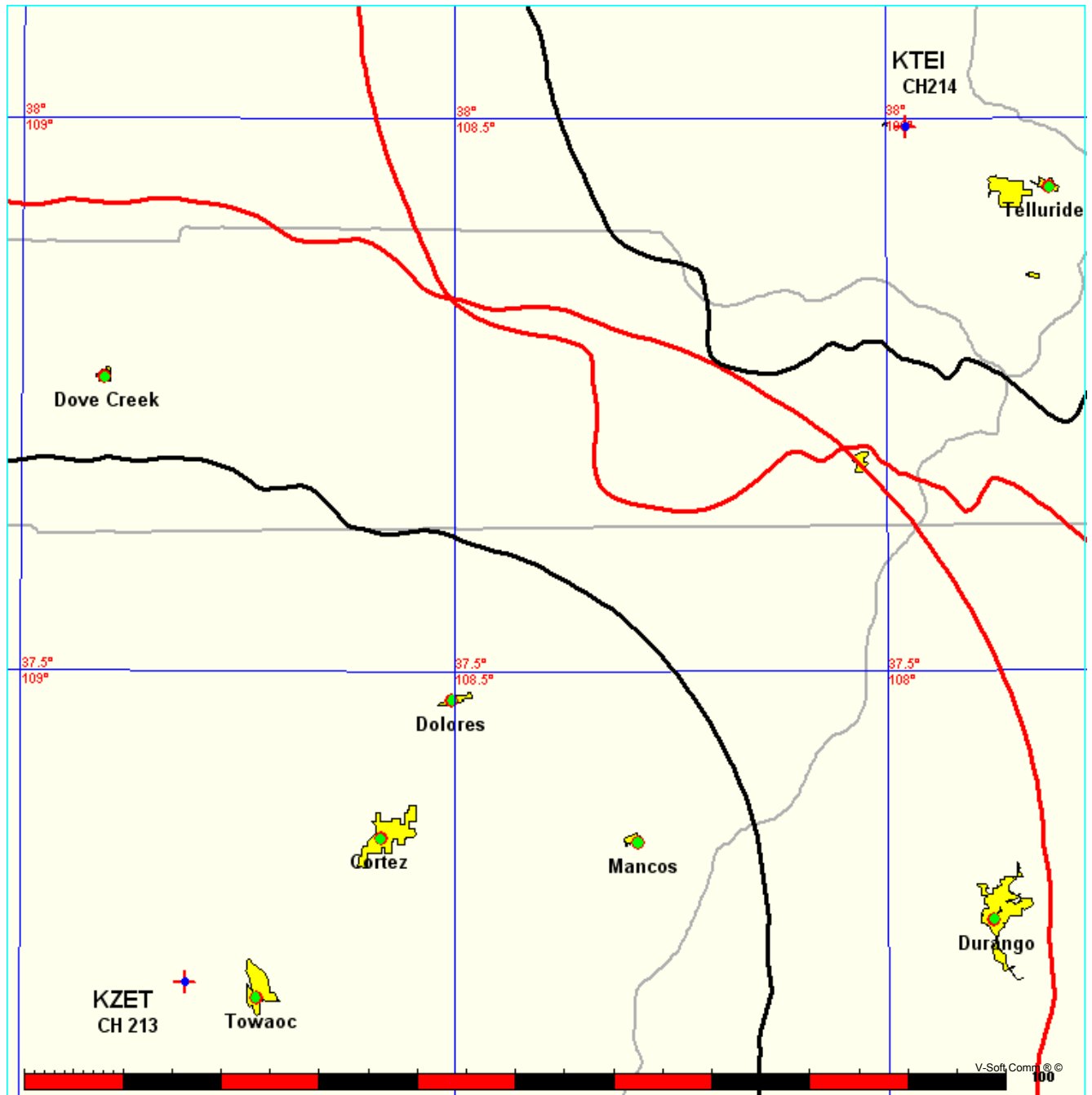
FMCommander Single Allocation Study - 01-07-2012 - FCC NGDC 30 Sec
KZET's Overlaps (In= 9.78 km, Out= 0.48 km)

KZET CH 213 C1

Lat= 37 13 10.0, Lng= 108 48 26.0
1.9 kW 901.8 M HAAT, 2753 M COR
Prot.= 60 dBu, Intef.= 54 dBu

KTEI CH 214 A BLED20071012AOD

Lat= 37 59 30.0, Lng= 107 58 21.0
0.25 kW 449.3 M HAAT, 3359 M COR
Prot.= 60 dBu, Intef.= 54 dBu



KZET - KCIE
Community Radio Project

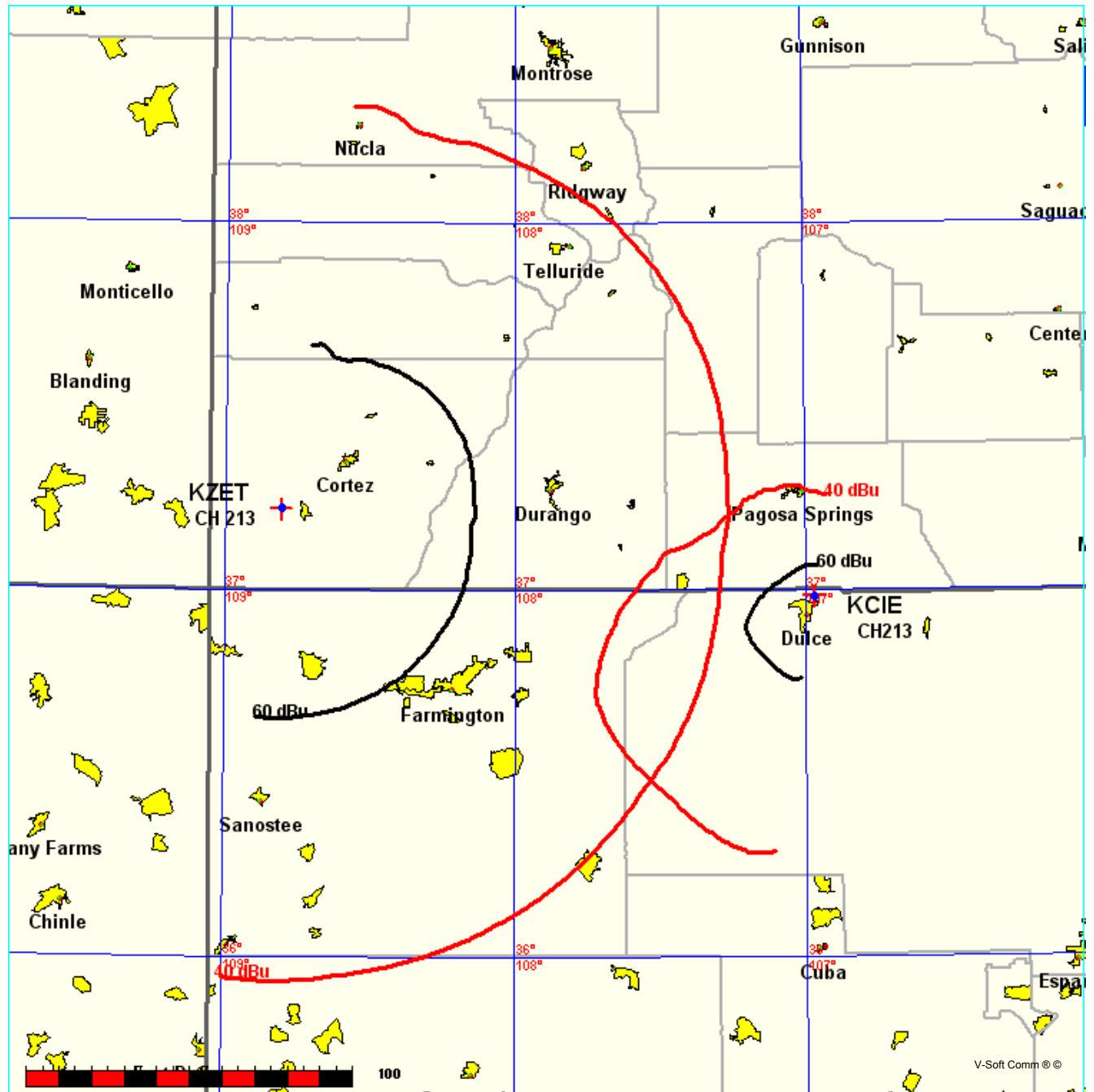
FMCommander Single Allocation Study - 01-07-2012 - FCC NGDC 30 Sec
KZET's Overlaps (In= 52.74 km, Out= 9.31 km)

KZET CH 213 C1

Lat= 37 13 10.0, Lng= 108 48 26.0
1.9 kW 901.8 M HAAT, 2753 M COR
Prot.= 60 dBu, Intef.= 40 dBu

KCIE CH 213 A DA BLED19901001KA

Lat= 36 59 00.0, Lng= 106 58 12.0
0.1 kW 468 M HAAT, 2757 M COR
Prot.= 60 dBu, Intef.= 40 dBu



KZET - KSJE
Community Radio Project

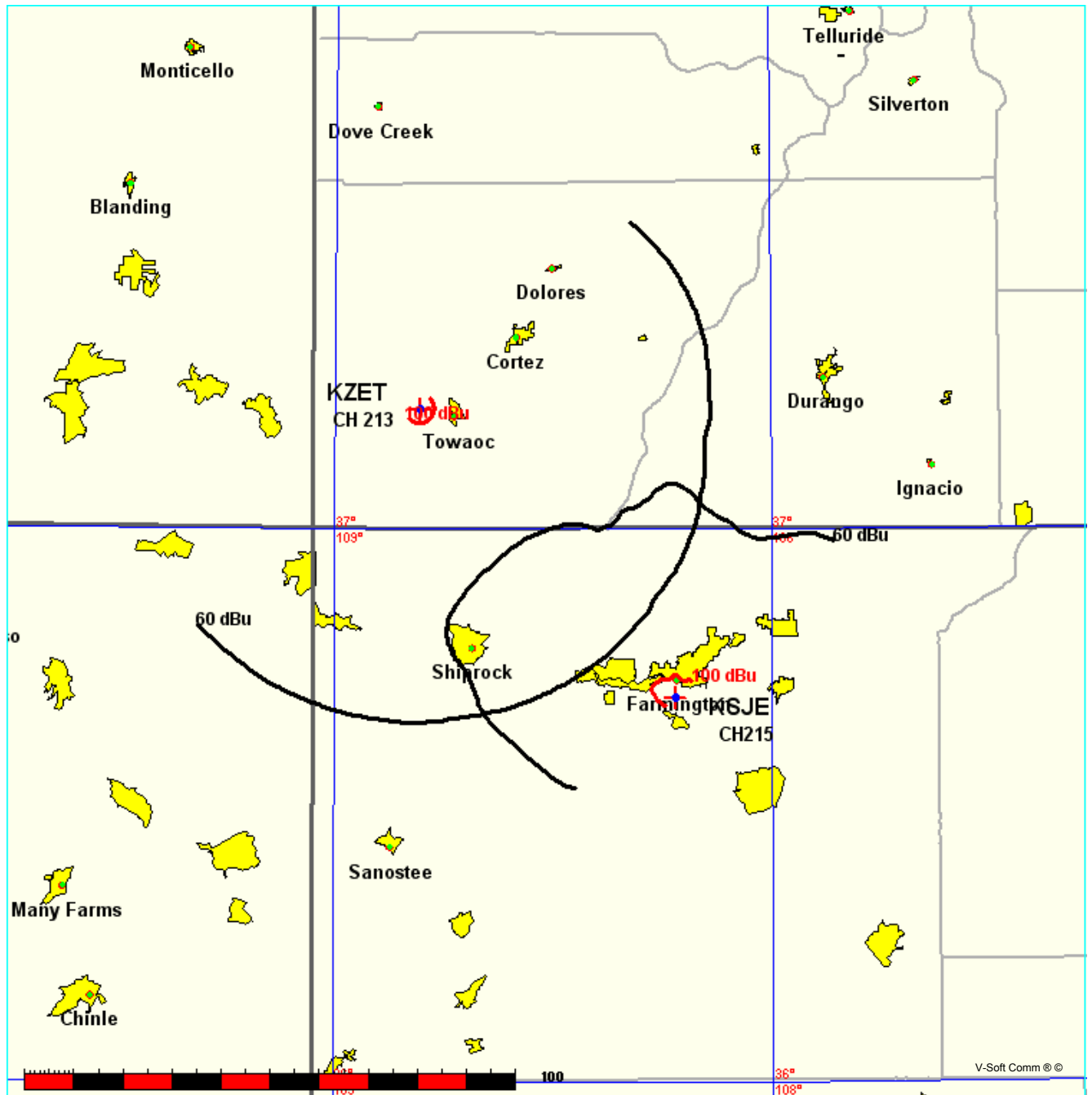
FMCommander Single Allocation Study - 01-07-2012 - FCC NGDC 30 Sec
KZET's Overlaps (In= 11.09 km, Out= 30.87 km)

KZET CH 213 C1

Lat= 37 13 10.0, Lng= 108 48 26.0
1.9 kW 901.8 M HAAT, 2753 M COR
Prot.= 60 dBu, Intef.= 100 dBu

KSJE CH 215 C3 BLED19901108KB

Lat= 36 41 52.0, Lng= 108 13 14.0
15.0 kW 119 M HAAT, 1824 M COR
Prot.= 60 dBu, Intef.= 100 dBu



KZET - New Dove Creek
Community Radio Project

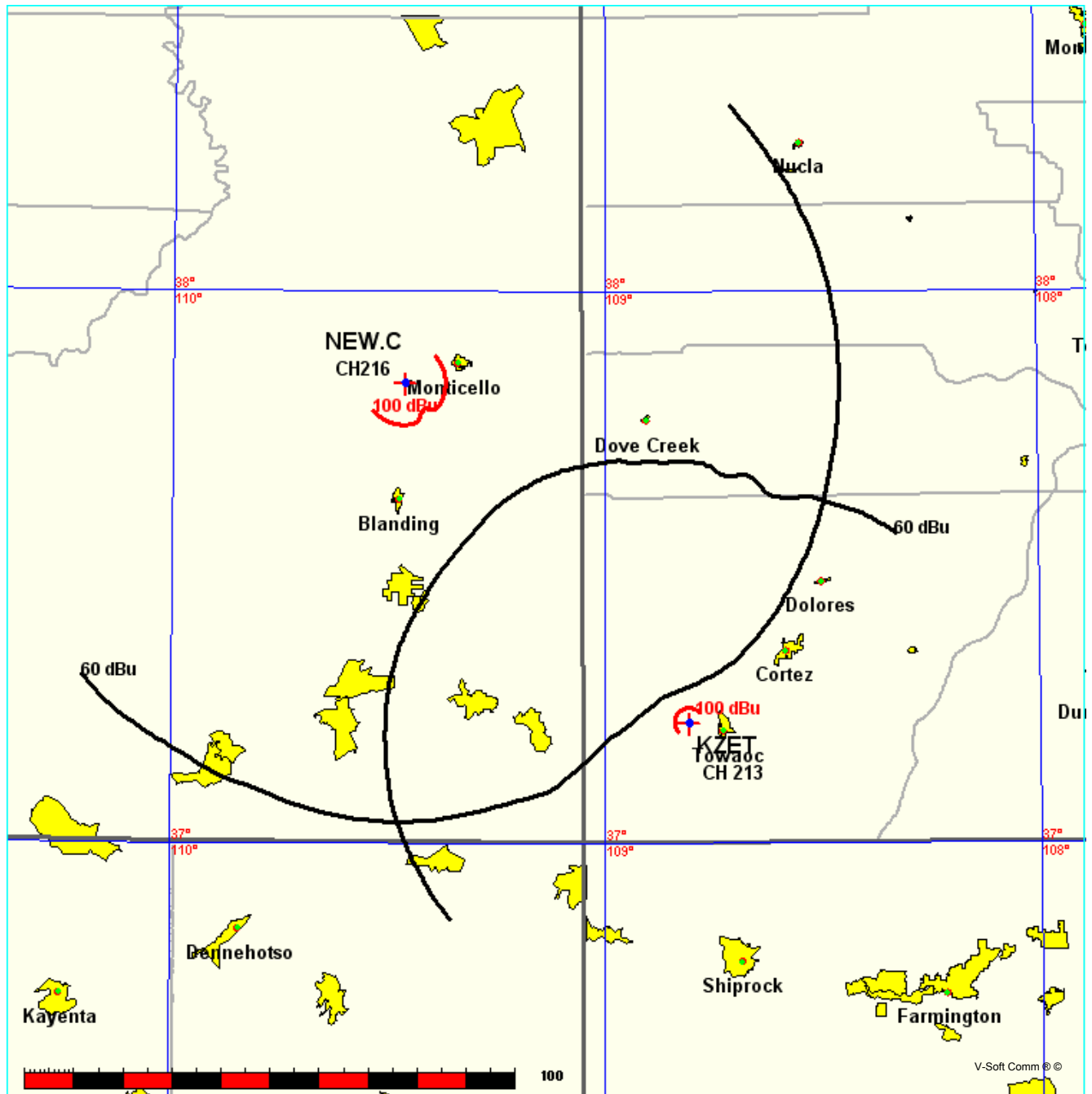
FMCommander Single Allocation Study - 01-07-2012 - FCC NGDC 30 Sec
KZET's Overlaps (In= 24.24 km, Out= 3.77 km)

KZET CH 213 C1

Lat= 37 13 10.0, Lng= 108 48 26.0
1.9 kW 901.8 M HAAT, 2753 M COR
Prot.= 60 dBu, Intef.= 100 dBu

NEW-C CH 216 C DA BMPED20090603AFO

Lat= 37 50 04.0, Lng= 109 28 00.0
18.0 kW 976 M HAAT, 3401 M COR
Prot.= 60 dBu, Intef.= 100 dBu



State of Hawaii)
Kilauea)
County of Kauai)

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 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
January 9, 2012