

Educational Media Foundation

5700 West Oaks Boulevard ♦ Rocklin ♦ California ♦ 95765

Exhibit 13

Coyote, CA

Channel Study

REFERENCE CH# 281D - 104.1 MHz, Pwr= 0.25 kW DA, HAAT= -65.5 M, COR= 308 M DISPLAY DATES
37 19 21.8 N. Average Protected F(50-50)= 7.1 km DATA 06-25-23
121 45 18.8 W. Standard Directional SEARCH 06-25-23

CH CITY	CALL	TYPE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT (M)	INT(km) COR (M)	PRO(km) LICENSEE	*IN* (Overlap	*OUT* in km)
281B Modesto	KHKK	LIC	CN CA	33.6 213.7	44.05 BLH7721	37 39 09.70 121 28 41.70	50.000 152	115.0 422	36.1 Radio License Holding	-72.6*	2.5 Cbc,
281B Modesto	KHKK	ALO	CA	33.6 213.7	44.06	37 39 09.80 121 28 41.80	50.000 150	115.0 403	36.1 Radio License Holding	-72.6*	2.5 Cbc,
281D Coyote	K281BL!	LIC	DVN CA	0.0 0.0	0.00 BLFT20141008ADA	37 19 21.80 121 45 18.80	0.250 -24	---	---Reference---		
281D San Francisco	K281BU	LIC	DCN CA	304.3 123.9	72.44 BLFT20181212AAX	37 41 14.80 122 26 04.90	0.093	34.1 430	9.7 Educational Media Foundati	19.2	3.0
279B San Francisco	KOSF	LIC	CN CA	304.3 123.9	72.60 BLH20130429AEC	37 41 16.80 122 26 10.90	6.400 403	4.7 446	67.6 Ihm Licenses, LLC	48.7	3.4
283B San Francisco	KNBR-FM	LIC	CN CA	308.2 127.8	78.13 BLH19980619KD	37 45 18.70 122 27 09.90	7.100 459	5.0 490	71.4 Radio License Holding	54.8	5.2 Src
283B San Francisco	KNBR-FM	ALO	CA	308.3 127.8	78.12	37 45 19.70 122 27 08.90	50.000 150	6.2 180	66.5 Radio License Holding	53.6	10.1 Src
279B San Francisco	KOSF	ALO	CA	308.3 127.8	78.12	37 45 19.70 122 27 08.90	50.000 150	6.2 180	66.5 Ihm Licenses, LLC	53.6	10.1
281D Santa Cruz	K281CA	LIC	DVN CA	183.6 3.6	29.46 BLFT20150807AAH	37 03 27.80 121 46 33.80	0.190	7.9 974	1.0 Zwerling Broadcasting Syst	19.2	19.7
280A Seaside	KDFG	ALO	CA	185.3 5.3	79.06	36 36 47.90 121 50 15.80	6.000 100	56.0 188	37.8 University Of Southern Cal	20.6	37.5
283D Pleasanton, Etc.	KNBR-FM3	LIC	HN CA	347.0 166.9	63.72 BLFTB19910122TP	37 52 54.70 121 55 08.80	0.185	1.0 1155	36.7 Radio License Holding	59.9	26.8 Src
282A Gonzales	KHIP	LIC	NCN CA	163.9 344.1	75.58 BMLH19980709KB	36 40 05.80 121 31 12.70	2.600 155	43.1 435	28.5 Smg-Monterey, LLC	30.6	44.3
279D Pleasanton, Etc.	KOSF-FM2	LIC	DVN CA	347.0 166.9	63.69 BLFTB19990225UA	37 52 53.70 121 55 08.90	0.185 1000	0.8 1155	32.7 Ihm Licenses, LLC	60.1	30.8
280A Seaside	KDFG	LIC	CN CA	190.4 10.3	83.13 BMLED20160616AAA	36 35 08.90 121 55 22.80	1.500 199	48.2 262	31.9 University Of Southern Cal	32.0	46.7
281D Hollister	K281BR	LIC	DVN CA	148.0 328.3	59.58 BLFT20180418AHR	36 52 01.80 121 24 01.80	0.250	20.0 102	6.0 Radio Bilingue, Inc.	37.9	49.7

Terrain database is FCC NGDC 30 Sec, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM

Contour distances are on direct line to and from reference station. Reference Zone= East Zone 2A, Co to 3rd adjacent.

Call signs with exclamation marks need not be protected.

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 restricted contour.

« = Station meets FCC minimum distance spacing for its class.

< = Contour Overlap

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Exhibit 13-A

Coyote, CA

Reduction of Interference

Educational Media Foundation "EMF" seeks to reduce the center of radiation above ground for its station K281BL Coyote, CA. Upon review of the current license it was found that co channel station K281CA Santa Cruz, CA both causes and receives prohibited interference with the license of K281BL.

EMF respectfully requests that is license modification be granted since the reduction in radiation height from 56 m to 14 m, will reduce both the interference caused and received between both facilities (see Exhibit 16-A map).

Exhibit 16-A

K281BL

BLFT20141008ADA
Latitude: 37-19-21.80 N
Longitude: 121-45-18.80 W
ERP: 0.25 kW
Channel: 281
Frequency: 104.1 MHz
AMSL Height: 350.0 m
Elevation: 294.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None

K281BL.P

Latitude: 37-19-21.80 N
Longitude: 121-45-18.80 W
ERP: 0.25 kW
Channel: 281
Frequency: 104.1 MHz
AMSL Height: 308.0 m
Elevation: 262.1 m
Horiz. Pattern: Directional
Vert. Pattern: No

K281CA

BLFT20150807AAH
Latitude: 37-03-27.80 N
Longitude: 121-46-33.80 W
ERP: 0.19 kW
Channel: 281
Frequency: 104.1 MHz
AMSL Height: 974.0 m
Elevation: 761.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None

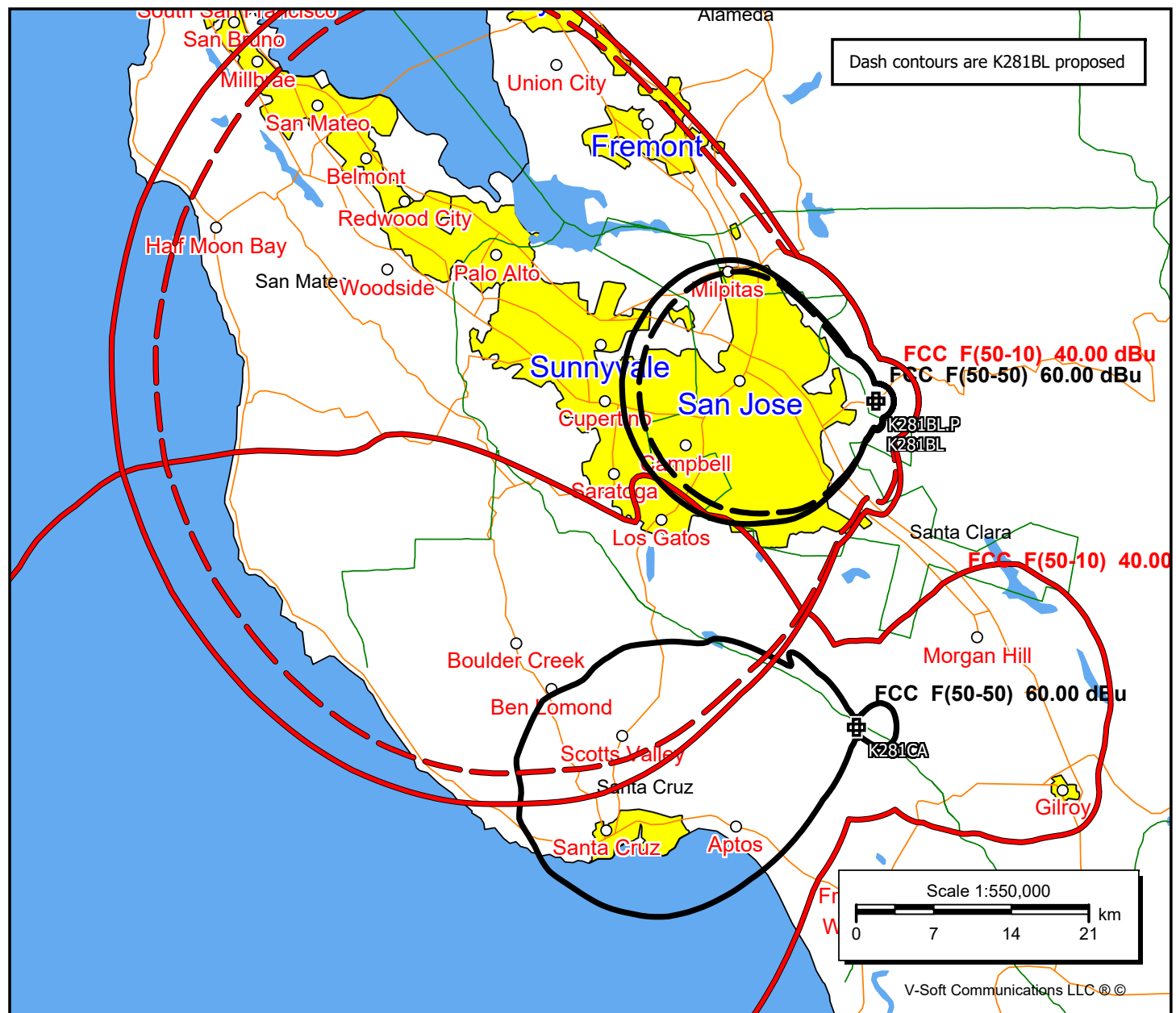


Exhibit 13-B

FMCommander Single Allocation Study - 06-26-2023 - FCC NGDC 30 Sec
K281BL.P's Overlaps (In= -72.58 km, Out= 2.46 km)

K281BL.P CH 281 D DA
Lat= 37 19 21.80, Lng= 121 45 18.80
0.25 kW -65.5 m HAAT, 308 m COR
Prot.= 60 dBu, Intef.= 34 dBu

KHKK CH 281 B BLH7721
Lat= 37 39 09.70, Lng= 121 28 41.70
50.0 kW 152 m HAAT, 422 m COR
Prot.= 54 dBu, Intef.= 40 dBu

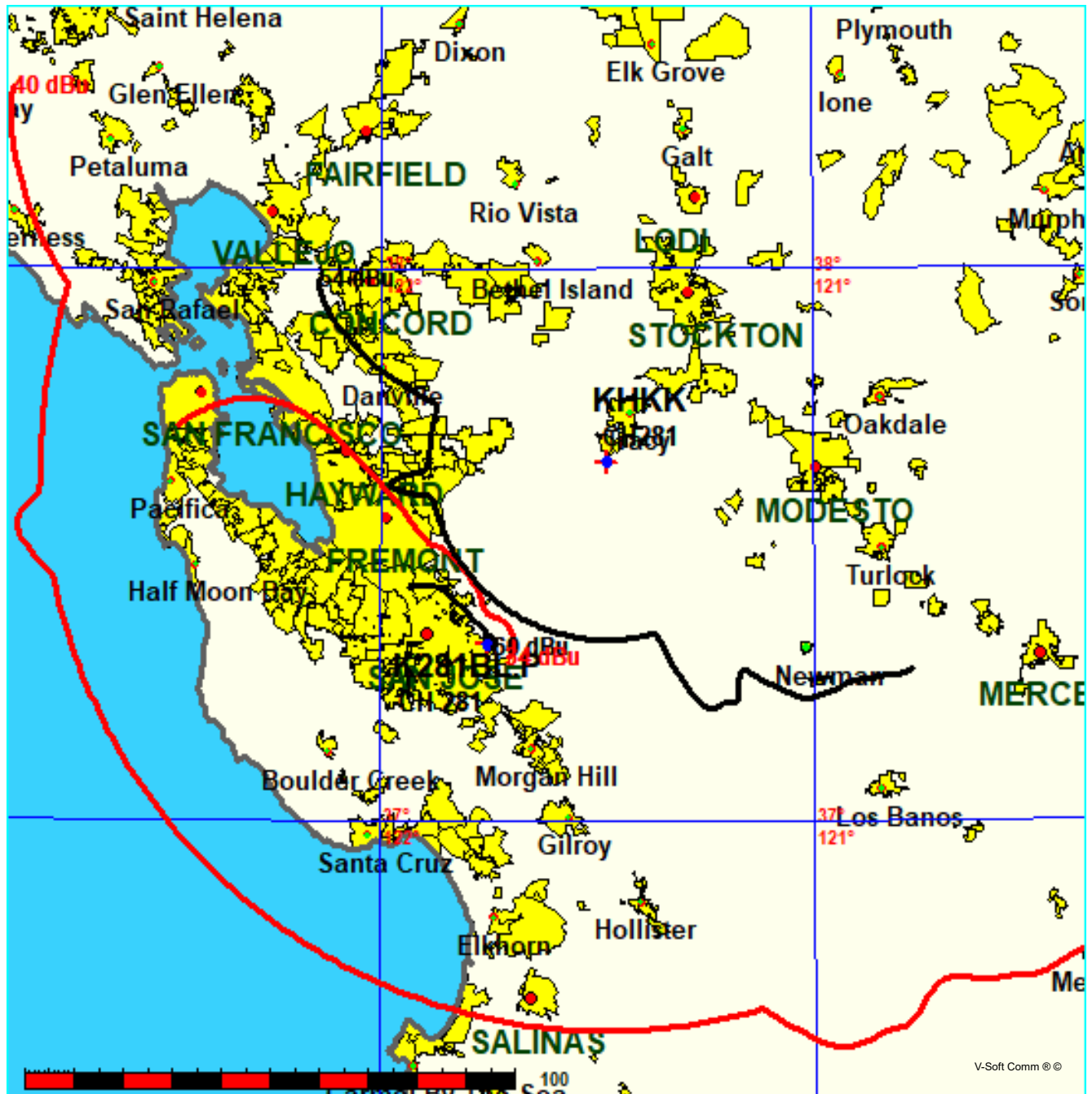


Exhibit 13-C

FMCommander Single Allocation Study - 06-25-2023 - FCC NGDC 30 Sec
K281BL.P's Overlaps (In= 19.19 km, Out= 2.98 km)

K281BL.P CH 281 D DA
Lat= 37 19 21.80, Lng= 121 45 18.80
0.25 kW -65.5 m HAAT, 308 m COR
Prot.= 60 dBu, Intef.= 40 dBu

K281BU CH 281 D DA BLFT20181212AAX
Lat= 37 41 14.80, Lng= 122 26 04.90
0.093 kW 0 m HAAT, 430 m COR
Prot.= 60 dBu, Intef.= 40 dBu

