

August 26, 2015

FIN: 139642

Exhibit 8

**Channel Study**

The FCC F(50/50) 60dBu contour of the license and proposed facility of K227BI overlap.

2<sup>nd</sup> adjacent KDB is addressed in Exhibit 8 - A.

REFERENCE		CH# 227D - 93.3 MHz, Pwr= 0.01 kW DA, HAAT= 917.5 M, COR= 1234 M								DISPLAY DATES	
34 31 31.0 N.		Average Protected F(50-50)= 16.4 km								DATA 08-26-15	
119 57 29.0 W.		Standard Directional								SEARCH 08-26-15	
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)	
227D	K227BI!	CP	C	103.1	26.55	34 28 15.0	0.030	66.1	9.9	-53.1	-54.1
Santa Barbara		CA		283.3	BMPFT20150706ACA	119 40 33.0		733	Educational Media Foundati		
227B	KZOZ	LIC	CN	325.8	112.60	35 21 40.0	23.000	152.8	79.5	-40.8*	13.2
San Luis Obispo		CA		145.4	BLH19961226KC	120 39 21.0	472	808	Agm California, Inc.		
229B	KDB	LIC	CX	104.2	26.58	34 27 58.0	12.500	4.4	55.6	5.7	-29.4*
Santa Barbara		CA		284.4	BMLED20140402AQE	119 40 37.0	265	670	University Of Southern Cal		
227D	K227BI!	LIC	DV	256.5	0.13	34 31 30.0	0.010	25.3	4.0	-25.7	-8.2
Santa Barbara		CA		76.5	BLFT20050908ABY	119 57 34.0	928	1243	Educational Media Foundati		
225A	KJEE	LIC	CN	104.3	26.59	34 27 57.0	0.820	1.9	23.4	10.2	0.6
Montecito		CA		284.5	BLH19940209KC	119 40 37.0	270	664	Montecito, Fm, Inc		
227L1	NEW	CP		111.8	67.83	34 17 47.0	0.002			30.5	7.1
Ventura		CA		292.2	BNPL20131115AOL	119 16 21.0	260	368	La Iglesia Cristiana De Ox		
227L1	NEW	CP		92.0	74.92	34 29 58.0	0.001			27.1	34.7
Ojai		CA		272.4	BNPL20131112BFQ	119 08 27.0	741	1693	County Of Ventura		
226B	KCBS-FM	LIC	CX	100.1	176.13	34 13 55.0	27.500	130.7	105.1	30.7	34.6
Los Angeles		CA		281.2	BLH20100818AAQ	118 04 18.0	1074	1975	Cbs Radio East Inc.		
225D	K225AO	LIC	C	280.3	49.29	34 36 13.0	0.010	0.2	8.7	48.2	38.9
Lompoc		CA		100.0	BLFT20131022APS	120 29 17.0		463	Educational Media Foundati		

Terrain database is 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 3<sup>rd</sup> adjacent.  
 All separation margins (if shown) include rounding. 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.

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Exhibit 8 - A

**Compliance with C.F.R. 74.1204**

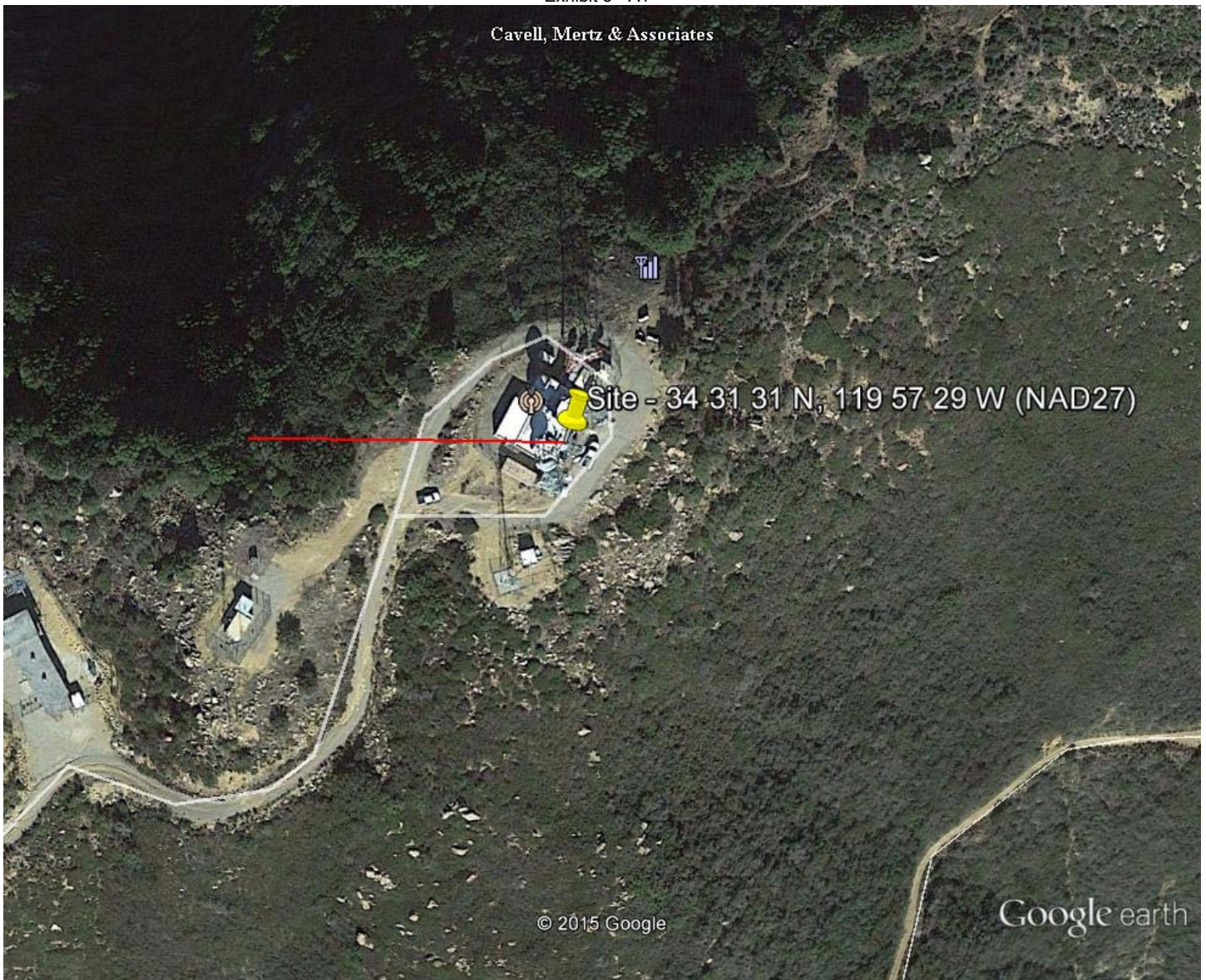
The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KDB, channel 229B, Santa Barbara, California. According to 74.1204(a)(3), in order to protect second and third adjacent facilities, the difference in dBu between the two facilities must not exceed 40dBu.

The proposed ERP for K227BI:	10 watts
The proposed COR for K227BI:	5 meters
KDB F(50/50) contour at proposed site:	69.4 dBu
The F(50/10) contour of proposed K227BI	109.4 dBu
The predicted distance to K227BI interference contour:	75 meters

As can be seen in Exhibit 8–A1, there are no regularly occupied structures within 75 meters of the antenna structure.

Therefore, EMF respectfully requests a waiver of C.F.R. 74.1204 based on no population within the area of predicted interference.

Cavell, Mertz & Associates



Google earth



The red line measures 75m from the base of the site.