

Educational Media Foundation

Exhibit 13

5700 West Oaks Boulevard ♦ Rocklin ♦ California ♦ 95765

Natchitoches, LA

Channel Study

REFERENCE		CH# 222D - 92.3 MHz, Pwr= 0.12 kW, HAAT= 98.7 M, COR= 135 M								DISPLAY DATES	
31 45 47.0 N.		Average Protected F(50-50)= 10.7 km								DATA 02-16-15	
93 03 47.0 W.		Omni-directional								SEARCH 02-16-15	
CH CITY	CALL	TYPE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
222A Florien	1341260	VAC	LA	217.0 36.9	44.30	31 26 39.0 93 20 40.0	6.000 100	89.8 194	30.7 Baldridge-dumas	-55.7*	-20.9 Communicat
222D Natchitoches	K222AO!	LIC	C LA	281.0 100.9	13.66 BLFT20070409ADR	31 47 11.0 93 12 17.0	0.140 121	42.5 164	12.5 Educational Media Foundati	-39.0	-33.2
219A Natchitoches	KNWD	LIC	HN LA	241.2 61.2	3.59 BLED19921222KD	31 44 51.0 93 05 47.0	0.255 50	1.1 89	10.2 Northwestern State Univ. O	-7.1*	-7.4*
221A Winnfield	KVCL-FM	LIC	NCN LA	63.3 243.5	46.10 BLH19930222KE	31 56 54.0 92 37 37.0	6.000 64	32.2 108	21.7 Baldridge-dumas	2.9	8.6 Communicat
222C3 Rayville	KMY	CP	CX LA	54.6 235.2	136.96 BPH20131231AAS	32 28 15.0 91 52 25.0	22.000 107	112.2 125	39.5 Mapleton License Of Monroe	13.8	60.1
222C3 Rayville	KMY	LIC	C LA	53.4 234.1	135.54 BLH19990603KG	32 29 01.0 91 54 10.0	11.500 148	105.0 166	39.2 Mapleton License Of Monroe	19.5	59.0
223A Arcadia	KHCL	LIC	C LA	4.8 184.8	77.27 BMLED20070223AEF	32 27 27.0 92 59 38.0	6.000 100	45.0 183	29.1 Houston Christian Broadcas	21.3	32.4
224A Leesville	KBDV	LIC	NCX LA	189.3 9.3	72.41 BLH20080722AAW	31 07 07.0 93 11 12.0	6.000 100	2.6 189	27.0 Baldridge-dumas	59.0	44.6 Communicat
276C3 Anacoco	KWLA	LIC	CX LA	216.5 36.3	59.02 BLH20140905ABA	31 20 06.4 93 25 58.0	25.000 100	0.0 187	0.0 Baldridge-dumas	11.5R	47.5M Communicat
223A San Augustine	KXXE	LIC	CX TX	256.5 75.9	100.90 BLH20100121AAB	31 32 48.8 94 05 47.2	2.550 157	42.7 267	28.2 Center Broadcasting Compan	48.1	58.5
224A Mansfield	KJVC	LIC	CN LA	294.5 114.1	70.02 BLH7170	32 01 18.0 93 44 18.0	3.000 91	2.0 165	20.7 Leon Hunt	57.5	48.6
222A Marshall	KCUL-FM	LIC	CN TX	304.8 124.1	152.84 BLH19961227KC	32 32 26.0 94 24 03.0	5.800 100	87.6 202	29.2 Cosecha Communications Llc	54.6	87.8
221A Benton	KSYR	LIC	CN LA	329.3 149.0	115.40 BLH19970919KC	32 39 19.0 93 41 36.0	6.000 98	44.1 153	28.6 Cosecha Communications Llc	60.5	71.6
219C3 Mansfield	KMSL<	LIC	DVX LA	300.0 119.5	92.90 BLED20060223AAI	32 10 39.0 93 55 02.0	12.000 103	2.5 189	25.7 American Family Associatio	40.5R	52.4M
219A Alexandria	KAPM<	LIC	CN LA	132.8 313.2	80.73 BLED19960524KA	31 16 04.0 92 26 24.0	1.000 39	1.6 64	12.5 American Family Associatio	25.5R	55.2M

Terrain database is 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= West Zone,
Co to 3rd 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), Beamtlt(Y,N,X)
""affixed to 'IN' or 'OUT' values = site inside restricted contour.
< = Station meets FCC minimum distance spacing for its class.
Reference station has protected zone issue: AM tower

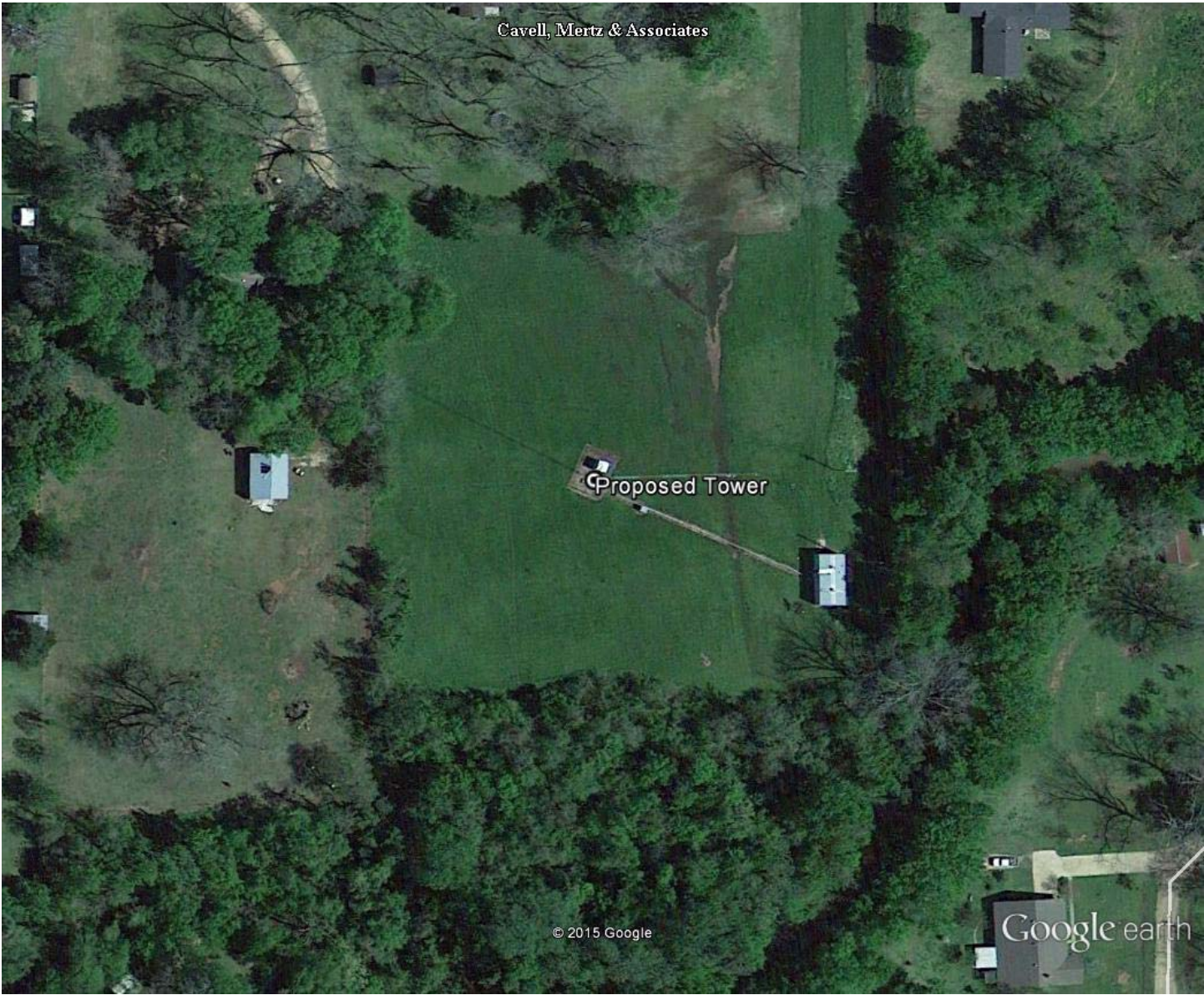
Compliance with C.F.R. 74.1204

The proposed FM Translator is located within the protected 60 dBu contour of third adjacent channel station KNWD, channel 219A Natchitoches, LA. 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 K222AO:	120 watts
The proposed COR for K222AO:	101 meters
KNWD F(50/50) contour at proposed site:	78.0 dBu
The F(50/10) contour of proposed K222AO	118.0 dBu
The predicted distance to K222AO interference contour:	97.1 meters

The signal is predicted to not reach the ground. As can be seen in Exhibit 13–A1, there are no regularly occupied structures at the base of the tower and there are no structures which could be tall enough to enter the 97.1 meter aperture.

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



Google earth



Exhibit 13-B
Educational Media Foundation

FMCommander Single Allocation Study - 02-24-2015 - NGDC 30 SEC
K222AO.P's Overlaps (In= 2.86 km, Out= 8.59 km)

K222AO.P CH 222 D
Lat= 31 45 47.0, Lng= 93 03 47.0
0.12 kW 98.7 M HAAT, 135 M COR
Prot.= 60 dBu, Intef.= 54 dBu

KVCL-FM CH 221 A 73.215 N BLH19930222KE
Lat= 31 56 54.0, Lng= 92 37 37.0
6.0 kW 64 M HAAT, 108 M COR
Prot.= 60 dBu, Intef.= 54 dBu

