

# Educational Media Foundation

5700 West Oaks Boulevard ♦ Rocklin ♦ California ♦ 95765

Exhibit 13

Buena Vista, CO

## Channel Study

REFERENCE		CH# 214D - 90.7 MHz, Pwr= 0.01 kW, HAAT= 356.1 M, COR= 3320 M								DISPLAY DATES	
38 44 44.4 N.		Average Protected F(50-50)= 11.0 km								DATA 07-07-23	
106 11 54.5 W.		Omni-directional								SEARCH 07-07-23	
CH CITY	CALL	TYPE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT (M)	INT(km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
214D Buena Vista	K214FO/K2	CP	DVN CO	0.0 0.0	0.00 0000215278	38 44 44.40 106 11 54.50	0.010	49.4 3320	12.9 Educational Media Foundati	-64.2*<	-67.1*<
213D Buena Vista	K213AT	LIC	VN CO	218.0 38.0	0.02 BLFT20150116AAA	38 44 43.90 106 11 55.00	0.060	40.5 3320	26.0 Educational Media Foundati	-43.6*<	-30.4*<
212A Buena Vista	KFXV	LIC	CN CO	224.3 44.3	0.01 0000203548	38 44 44.00 106 11 55.00	0.250 345	1.1 3317	38.1 San Tan Educational Media	-4.2*<	-38.3*<
217C2 Salida	KTPF	LIC	CN CO	153.8 333.9	37.01 BLED20070817ACM	38 26 47.90 106 00 38.00	0.390 900	1.4 3567	49.9 Educational Communications	20.7	-13.1*<
214A Florissant	768260	CP	DCN CO	82.7 263.3	77.13 0000167762	38 49 48.00 105 19 02.00	2.000 -20	45.4 2650	12.0 Safe Haven Refuge Ministri	15.9	6.8
214A Breckenridge	KMPB	LIC	CN CO	9.9 190.0	84.51 BLED20130930BUD	39 29 43.90 106 01 46.00	0.600 -76	37.4 3246	10.8 Community Radio For Northe	31.7	17.3
215A Leadville	KTOL	LIC	CN CO	350.8 170.8	55.00 BLED20080606AAR	39 14 05.00 106 18 01.10	0.450 -207	22.0 3083	14.6 Educational Communications	19.7	19.6
216A Gunnison	KWSB-FM	LIC	CN CO	248.3 67.9	66.58 BLED19850430LR	38 31 21.90 106 54 30.10	0.135 91	0.8 2627	6.6 Western Colorado Universit	58.8	59.8
212A Crested Butte	KBUT	LIC	CN CO	284.8 104.3	69.46 BLED20140917ACR	38 54 06.90 106 58 23.10	1.000 -208	1.6 2969	10.2 Crested Butte Mountain Edu	64.7	59.1
06 -- Gunnison	K06HN-D	LI	N CO	248.7 68.3	66.05 BLDVL-20091021ABQ	41 51 42.86 106 58 44.15	0.060	2.3 2636	4.4	6.6R	59.4M
215D Silver Cliff	K215DA	LIC	DCN CO	133.3 313.8	99.71 0000138015	38 07 39.50 105 22 10.70	0.013	19.0 2860	12.6 Educational Communications	64.9	61.4
213C2 Carbondale	KVOV	LIC	DCN CO	306.9 126.1	125.94 BLED20040913AAA	39 25 07.90 107 22 12.10	0.450 775	58.4 3227	38.9 Public Broadcasting Of Col	64.4	82.6
213C0 Colorado Springs	KTLE	LIC	VN CO	89.6 270.4	116.24 BLED20040225AAB	38 44 43.00 104 51 40.90	20.000 673	33.0 2923	21.5 Educational Communications	67.3	68.8
215D Thomasville	K215BC	LIC	HN CO	328.3 148.0	79.47 BLFT19890224TH	39 21 11.90 106 41 02.10	0.019 -431	5.3 2651	3.7 Pitkin County Translator D	68.9	68.4
217D Frisco	K217FS	LIC	CN CO	9.9 190.0	84.61 BLFT20081208AFL	39 29 47.00 106 01 45.10	0.023 -54	0.3 3227	3.9 Educational Communications	68.9	80.5
216D Aspen	K216BF	LIC	HN CO	315.0 134.6	75.01 BLFT19890224TJ	39 13 15.90 106 48 49.10	0.019 258	0.3 3185	3.7 Pitkin County Translator D	71.6	71.1
211D Aspen	K211GD/K2	CP	DVN CO	315.0 134.6	75.02 0000179940	39 13 15.40 106 48 50.50	0.013 268	0.0 3177	1.6 Educational Media Foundati	71.8	73.2
215A Paonia	KVNF	LIC	CN CO	276.9 96.0	127.89 BLED20050826AAJ	38 52 27.90 107 39 42.20	2.600 -22	52.2 2120	34.9 North Fork Valley Public R	72.5	88.6

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= West Zone, 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 restricted contour.

< = Contour Overlap

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*Exhibit 13-A*  
*Buena Vista, CO*

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

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KFXV, channel 212A, Buena Vista, CO. 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 K213AT.P:	10 watts
The proposed COR for K213AT.P:	17 meters
KVCH (F50/50) contour at proposed site:	136.2 dBu
The F(50/10) contour of proposed K213AT.P	176.2 dBu

The interfering contour does not reach the ground.

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

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*Exhibit 13-B*  
*Buena Vista, CO*

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

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KTPF, channel 217C2, Salida, CO. 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 K213AT.P:	10 watts
The proposed COR for K213AT.P:	17 meters
KVCH (F50/50) contour at proposed site:	65.9 dBu
The F(50/10) contour of proposed K213AT.P	105.9 dBu

As can be seen in Exhibit 13–C, the interfering contour does not reach any regularly occupied structure.

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



# Exhibit 13-C

## Legend



K213AT Buena Vista



K214FO.P (214) - 50 10 Field Strength: 105.9 dBu FCC

