

Educational Media Foundation

5700 West Oaks Boulevard ♦ Rocklin ♦ California ♦ 95765

Exhibit 18

Pocola, AR

Channel Study

REFERENCE CH# 201C3- 88.1 MHz, Pwr= 18.5 kW, HAAT= 108.1 M, COR= 282 M DISPLAY DATES
35 13 30.0 N. Average Protected F(50-50)= 38.0 km DATA 11-26-16
94 18 04.0 W. Omni-directional SEARCH 11-29-16

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)
201C3	KKRI!	LIC	EX	0.0	0.00	35 13 30.0	17.000	113.5	42.9	-155.9	-156.7
Pocola			OK	0.0	BLED20020614AAP	94 18 04.0	114	292	Educational Media Foundati		
201A	KRQA	CP	CX	4.7	130.11	36 23 37.0	1.000	51.8	14.5	35.1	0.8
Bentonville			AR	184.8	BPED20160919ADM	94 10 53.0	70	452	Educational Media Foundati		
201A	KRQA	LIC	CX	4.7	130.11	36 23 37.0	0.750	47.9	13.5	39.0	1.7
Bentonville			AR	184.8	BLED20150304ACP	94 10 53.0	70	452	Educational Media Foundati		
203A	DKXKY	LIC	C	73.0	41.84	35 20 03.0	0.150	0.9	6.2	2.7	31.7
Ratcliff			AR	253.2	BLED20121119AGR	93 51 39.0	-27	135	Lightwave, Inc		
201C1	KDIM	APP	DCN	300.5	202.30	36 07 55.0	100.000	152.7	56.7	10.4	36.0
Coweta			OK	119.4	BMPED20160725AAN	96 14 23.0	136	384	Creative Educational Media		
201C1	KDIM	CP	DCX	300.5	204.16	36 08 29.3	100.000	153.0	56.9	12.0	37.6
Coweta			OK	119.4	BPED20140331AXV	96 15 24.6	136	381	Creative Educational Media		
201C1	KDIM	LIC	DCX	288.8	171.30	35 42 24.0	100.000	110.2	42.8	21.1	17.8
Coweta			OK	107.7	BLED20130820AAY	96 05 39.0	168	391	Creative Educational Media		
202A	KXUA	LIC	V	6.9	93.95	36 03 56.0	0.470	15.0	10.6	35.7	18.9
Fayetteville			AR	187.0	BLED20000406AAU	94 10 30.0	80	474	Board Of Trustees Of The U		
202C3	KBWW	LIC	C	201.4	121.07	34 12 31.0	3.400	45.5	30.1	37.9	33.3
Broken Bow			OK	21.1	BLED20110930BHL	94 46 58.0	210	436	Golden Baptist Church		
201A	KLFC	LIC	DCX	32.7	175.72	36 33 06.0	1.800	70.7	22.8	62.9	39.3
Branson			MO	213.3	BLED20020805AAZ	93 14 17.0	119	442	Mountaintop Broadcasting,		
202C1	KABF	LIC	CN	105.6	173.27	34 47 31.0	91.000	96.0	65.1	41.1	52.2
Little Rock			AR	286.7	BLED19900803KC	92 28 38.0	237	362	Arkansas Broadcasting Foun		
203C2	KTKL	LIC	DEX	264.8	96.48	35 08 30.0	22.000	5.5	50.5	58.7	42.7
Stigler			OK	84.2	BLED20030116ABD	95 21 20.0	196	417	Educational Media Foundati		

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= - Zone 2, Co to 3rd adjacent.

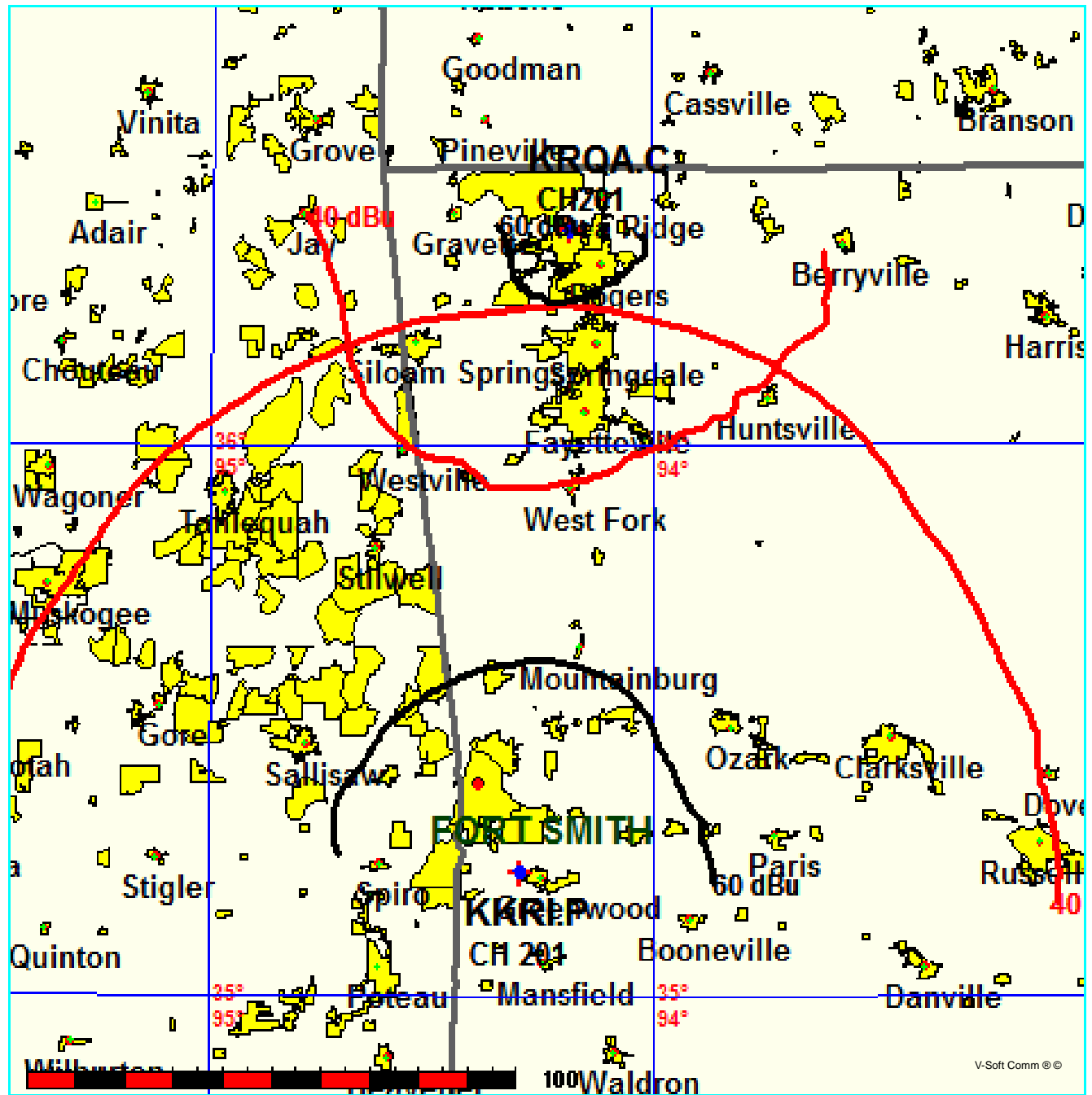
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
« = Station meets FCC minimum distance spacing for its class.

Exhibit 18-A

FMCommander Single Allocation Study - 12-06-2016 - FCC NGDC 30 Sec
 KKRI.P's Overlaps (In= 35.15 km, Out= 0.76 km)

KKRI.P CH 201 C3
 Lat= 35 13 30.0, Lng= 94 18 04.0
 18.5 kW 108.1 m HAAT, 282 m COR
 Prot.= 60 dBu, Intef.= 40 dBu

KRQA-C CH 201 A BPED20160919ADM
 Lat= 36 23 37.0, Lng= 94 10 53.0
 1.0 kW 70 m HAAT, 452 m COR
 Prot.= 60 dBu, Intef.= 40 dBu



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Exhibit 18-A

Pocola, AR

KKRI.P vs. KRQA.C

12-06-2016 Terrain Data: FCC NGDC 30 Sec FMOver Analysis

KRQA-C BPED20160919ADM

KKRI . P

Channel = 201A
Max ERP = 1 kW
RCAMSL = 452 m
N. Lat. 36 23 37.0
W. Lng. 94 10 53.0
Protected
60 dBu

Channel = 201C3
Max ERP = 18.5 kW
RCAMSL = 282 m
N. Lat. 35 13 30.0
W. Lng. 94 18 04.0
Interfering
40 dBu

Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Actual (dBu)	I X (km)
140.0	001.0000	0055.8	013.7	009.3	018.5000	0148.5	120.8	38.89	
141.0	001.0000	0054.7	013.6	009.2	018.5000	0148.5	120.7	38.91	
142.0	001.0000	0053.3	013.4	009.0	018.5000	0148.5	120.7	38.92	
143.0	001.0000	0052.4	013.3	008.9	018.5000	0148.5	120.6	38.93	
144.0	001.0000	0052.1	013.2	008.8	018.5000	0148.4	120.4	38.96	
145.0	001.0000	0052.6	013.3	008.8	018.5000	0148.4	120.2	39.00	
146.0	001.0000	0053.3	013.4	008.7	018.5000	0148.4	120.0	39.04	
147.0	001.0000	0053.2	013.4	008.6	018.5000	0148.4	119.8	39.07	
148.0	001.0000	0052.4	013.3	008.5	018.5000	0148.4	119.8	39.08	
149.0	001.0000	0051.3	013.1	008.4	018.5000	0148.4	119.7	39.09	
150.0	001.0000	0050.3	013.0	008.3	018.5000	0148.4	119.7	39.10	
151.0	001.0000	0049.7	012.9	008.2	018.5000	0148.4	119.6	39.11	
152.0	001.0000	0049.6	012.9	008.1	018.5000	0148.4	119.5	39.13	
153.0	001.0000	0049.9	013.0	008.0	018.5000	0148.4	119.3	39.17	
154.0	001.0000	0050.5	013.0	007.9	018.5000	0148.4	119.1	39.20	
155.0	001.0000	0051.4	013.2	007.9	018.5000	0148.5	118.9	39.24	
156.0	001.0000	0052.4	013.3	007.8	018.5000	0148.5	118.7	39.29	
157.0	001.0000	0052.7	013.3	007.7	018.5000	0148.5	118.5	39.32	
158.0	001.0000	0052.2	013.3	007.6	018.5000	0148.5	118.5	39.33	
159.0	001.0000	0051.5	013.2	007.5	018.5000	0148.5	118.4	39.33	
160.0	001.0000	0051.1	013.1	007.4	018.5000	0148.5	118.4	39.35	
161.0	001.0000	0051.1	013.1	007.3	018.5000	0148.5	118.3	39.37	
162.0	001.0000	0051.3	013.1	007.2	018.5000	0148.5	118.1	39.39	
163.0	001.0000	0051.4	013.1	007.1	018.5000	0148.5	118.0	39.41	
164.0	001.0000	0051.3	013.1	007.0	018.5000	0148.5	118.0	39.42	
165.0	001.0000	0051.2	013.1	006.9	018.5000	0148.5	117.9	39.44	
166.0	001.0000	0051.4	013.2	006.8	018.5000	0148.5	117.8	39.46	
167.0	001.0000	0052.1	013.2	006.7	018.5000	0148.5	117.6	39.49	
168.0	001.0000	0053.2	013.4	006.6	018.5000	0148.5	117.4	39.53	
169.0	001.0000	0054.4	013.5	006.5	018.5000	0148.5	117.2	39.57	
170.0	001.0000	0055.7	013.7	006.4	018.5000	0148.5	117.0	39.61	
171.0	001.0000	0056.3	013.8	006.3	018.5000	0148.5	116.8	39.64	
172.0	001.0000	0056.8	013.8	006.2	018.5000	0148.5	116.7	39.66	
173.0	001.0000	0057.1	013.8	006.1	018.5000	0148.5	116.6	39.67	
174.0	001.0000	0057.4	013.9	006.0	018.5000	0148.5	116.5	39.69	
175.0	001.0000	0057.9	013.9	005.9	018.5000	0148.5	116.4	39.71	
176.0	001.0000	0059.0	014.1	005.8	018.5000	0148.5	116.3	39.74	
177.0	001.0000	0059.9	014.2	005.7	018.5000	0148.5	116.1	39.77	
178.0	001.0000	0060.0	014.2	005.5	018.5000	0148.5	116.1	39.78	
179.0	001.0000	0060.2	014.2	005.4	018.5000	0148.5	116.0	39.79	
180.0	001.0000	0060.4	014.2	005.3	018.5000	0148.4	116.0	39.79	
181.0	001.0000	0060.6	014.2	005.2	018.5000	0148.4	115.9	39.80	
182.0	001.0000	0061.3	014.3	005.1	018.5000	0148.4	115.9	39.82	

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183.0	001.0000	0061.9	014.4	004.9	018.5000	0148.3	115.8	39.83
184.0	001.0000	0062.4	014.4	004.8	018.5000	0148.2	115.7	39.84
185.0	001.0000	0063.5	014.5	004.7	018.5000	0148.1	115.6	39.85
186.0	001.0000	0064.8	014.7	004.6	018.5000	0148.0	115.5	39.88
187.0	001.0000	0065.9	014.8	004.4	018.5000	0147.9	115.4	39.89
188.0	001.0000	0066.6	014.8	004.3	018.5000	0147.8	115.3	39.90
189.0	001.0000	0066.8	014.9	004.2	018.5000	0147.6	115.3	39.90
190.0	001.0000	0067.5	014.9	004.0	018.5000	0147.5	115.3	39.90
191.0	001.0000	0068.2	015.0	003.9	018.5000	0147.3	115.2	39.90
192.0	001.0000	0069.1	015.1	003.8	018.5000	0147.1	115.2	39.91
193.0	001.0000	0069.6	015.2	003.6	018.5000	0146.9	115.1	39.91
194.0	001.0000	0070.0	015.2	003.5	018.5000	0146.7	115.1	39.90
195.0	001.0000	0070.8	015.3	003.4	018.5000	0146.5	115.1	39.90
196.0	001.0000	0072.2	015.5	003.2	018.5000	0146.3	115.0	39.91
197.0	001.0000	0073.5	015.6	003.1	018.5000	0146.1	114.9	39.92
198.0	001.0000	0073.7	015.6	002.9	018.5000	0145.9	115.0	39.90
199.0	001.0000	0072.8	015.5	002.8	018.5000	0145.7	115.2	39.86
200.0	001.0000	0070.9	015.3	002.7	018.5000	0145.6	115.4	39.81
201.0	001.0000	0069.1	015.1	002.6	018.5000	0145.4	115.7	39.75
202.0	001.0000	0067.8	015.0	002.5	018.5000	0145.3	115.9	39.71
203.0	001.0000	0066.9	014.9	002.4	018.5000	0145.1	116.1	39.67
204.0	001.0000	0066.2	014.8	002.3	018.5000	0144.9	116.3	39.63
205.0	001.0000	0065.7	014.8	002.2	018.5000	0144.8	116.4	39.60
206.0	001.0000	0065.5	014.7	002.1	018.5000	0144.6	116.5	39.57
207.0	001.0000	0065.9	014.8	002.0	018.5000	0144.4	116.6	39.55
208.0	001.0000	0067.1	014.9	001.8	018.5000	0144.2	116.6	39.55
209.0	001.0000	0068.9	015.1	001.7	018.5000	0144.0	116.5	39.55
210.0	001.0000	0070.7	015.3	001.5	018.5000	0143.7	116.5	39.55
211.0	001.0000	0072.1	015.5	001.4	018.5000	0143.5	116.5	39.55
212.0	001.0000	0073.2	015.6	001.2	018.5000	0143.3	116.5	39.53
213.0	001.0000	0074.0	015.7	001.1	018.5000	0143.1	116.6	39.52
214.0	001.0000	0074.6	015.7	000.9	018.5000	0142.9	116.7	39.49
215.0	001.0000	0075.0	015.8	000.8	018.5000	0142.7	116.8	39.47
216.0	001.0000	0075.3	015.8	000.7	018.5000	0142.5	116.9	39.44
217.0	001.0000	0075.3	015.8	000.6	018.5000	0142.4	117.1	39.40
218.0	001.0000	0075.3	015.8	000.5	018.5000	0142.3	117.2	39.37
219.0	001.0000	0075.3	015.8	000.4	018.5000	0142.2	117.4	39.33
220.0	001.0000	0075.5	015.8	000.3	018.5000	0142.0	117.5	39.30
221.0	001.0000	0075.7	015.9	000.2	018.5000	0141.9	117.7	39.27
222.0	001.0000	0075.9	015.9	000.0	018.5000	0141.8	117.9	39.23
223.0	001.0000	0075.9	015.9	360.0	018.5000	0141.7	118.1	39.19
224.0	001.0000	0075.5	015.8	359.9	018.5000	0141.6	118.3	39.15
225.0	001.0000	0075.0	015.8	359.8	018.5000	0141.5	118.5	39.10
226.0	001.0000	0074.4	015.7	359.7	018.5000	0141.4	118.8	39.06
227.0	001.0000	0073.9	015.7	359.7	018.5000	0141.3	119.0	39.01
228.0	001.0000	0073.5	015.6	359.6	018.5000	0141.2	119.2	38.96
229.0	001.0000	0073.1	015.6	359.5	018.5000	0141.2	119.5	38.92
230.0	001.0000	0072.8	015.5	359.4	018.5000	0141.1	119.7	38.87
231.0	001.0000	0072.4	015.5	359.4	018.5000	0141.0	119.9	38.83
232.0	001.0000	0071.8	015.4	359.3	018.5000	0140.9	120.2	38.78
233.0	001.0000	0071.0	015.3	359.3	018.5000	0140.9	120.5	38.73
234.0	001.0000	0069.9	015.2	359.3	018.5000	0140.9	120.7	38.67
235.0	001.0000	0068.8	015.1	359.2	018.5000	0140.8	121.0	38.62
236.0	001.0000	0067.8	015.0	359.2	018.5000	0140.8	121.3	38.57
237.0	001.0000	0067.2	014.9	359.2	018.5000	0140.7	121.6	38.52
238.0	001.0000	0066.8	014.9	359.1	018.5000	0140.7	121.8	38.48
239.0	001.0000	0066.4	014.8	359.1	018.5000	0140.6	122.0	38.43
240.0	001.0000	0065.7	014.8	359.0	018.5000	0140.6	122.3	38.38
241.0	001.0000	0064.8	014.7	359.0	018.5000	0140.6	122.6	38.33
242.0	001.0000	0063.6	014.5	359.0	018.5000	0140.6	122.9	38.28
243.0	001.0000	0062.4	014.4	359.0	018.5000	0140.6	123.1	38.23
244.0	001.0000	0061.4	014.3	359.0	018.5000	0140.6	123.4	38.18

Exhibit 18-B

FMCommander Single Allocation Study - 12-06-2016 - FCC NGDC 30 Sec
KKRI.P's Overlaps (In= 39.03 km, Out= 1.74 km)

KKRI.P CH 201 C3

Lat= 35 13 30.0, Lng= 94 18 04.0
18.5 kW 108.1 m HAAT, 282 m COR
Prot.= 60 dBu, Intef.= 40 dBu

KRQA CH 201 A BMLED20150304ACP

Lat= 36 23 37.0, Lng= 94 10 53.0
0.75 kW 70 m HAAT, 452 m COR
Prot.= 60 dBu, Intef.= 40 dBu

