

Part 1 - Channel Study

REFERENCE		CH# 205C1- 88.9 MHz, Pwr= 5.9 kW DA, HAAT= 464.4 M, COR= 814 M								DISPLAY DATES	
35 33 37.0 N.		Average Protected F(50-50)= 54.8 km								DATA 08-25-11	
97 29 06.0 W.		Standard Directional								SEARCH 08-25-11	
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)
205C1 KYLV Oklahoma City	LIC DCX OK	358.0 178.0	1.4 BLED20070604AAC	35 34 24.0 97 29 08.0	39.000 205	137.4 555	54.5	-190.7*	-185.4*		
205C1 KYLV Oklahoma City	CP DCX OK	0.0 0.0	0.0 BPED20110622ABL	35 33 37.0 97 29 06.0	6.100 452	131.4 802	54.4	-186.1*	-186.5*		
207A KSSO Norman	CP DCX OK	173.7 353.7	37.7 BPED20110124ABB	35 13 22.0 97 26 21.0	5.900 50	1.8 399	17.4	-17.0*<	15.9		
207A KSSO Norman	LIC CX OK	173.7 353.7	37.7 BLED20070125AAT	35 13 22.0 97 26 21.0	2.300 50	1.6 399	14.1	-16.9*<	19.2		
207A KALU Langston	LIC C OK	25.5 205.7	47.2 BLED19951003KA	35 56 36.0 97 15 32.0	0.150 61	0.9 364	7.3	-9.1*<	35.2		
206C1 KYCU Clinton	LIC CX OK	265.0 84.2	137.1 BLED20021001AAC	35 26 40.0 98 59 22.0	40.000 193	83.1 680	56.3	0.3	0.3		
203C1 KZTH Piedmont	LIC CX OK	266.1 85.7	61.3 BLED20090708ADW	35 31 17.0 98 09 33.0	50.000 182	6.6 620	56.3	1.0	0.4		
206A KXTH Seminole	LIC CX OK	119.4 299.9	77.7 BLED20101101ABQ	35 12 53.0 96 44 26.0	2.600 115	34.2 402	22.8	8.7	1.3		
204C3 KLVV Ponca City	LIC CN OK	12.5 192.7	128.5 BLED19921229KA	36 41 25.0 97 10 20.0	11.500 146	59.2 444	39.8	14.3	6.0		
259C2 KZLS« Mustang	LIC CX OK	275.9 95.7	34.7 BLH20110601AJB	35 35 30.0 97 51 58.0	47.000 155	1.6 552	17.6	26.5R	8.2M		
205A KARU Cache	LIC VX OK	227.3 46.6	150.4 BLED20050721ABL	34 38 10.0 98 41 32.0	0.440 79	32.7 493	9.7	63.4	9.3		
204A KFXH Marlow	LIC DCX OK	203.1 22.8	107.6 BLED20100901ACU	34 40 03.0 97 56 49.1	2.150 111	21.1 489	14.0	32.2	12.0		
208C2 KJCC Carnegie	CP DVX OK	257.2 76.7	73.9 BPED20080804AAG	35 24 37.0 98 16 44.0	50.000 141	6.1 600	53.4	14.5	16.0		
202A KOSR Stillwater	LIC CX OK	28.9 209.1	72.3 BLED20110103ABK	36 07 46.5 97 05 43.4	1.200 34	1.6 332	10.6	15.2	57.0		
202A NEW Covington	CP VX OK	354.0 173.9	83.6 BNPED20071012AHO	36 18 33.0 97 34 58.0	0.700 39	1.6 380	12.8	26.9	66.1		
207C2 KIEL Loyal	CP DHX OK	310.6 130.2	86.1 BMPED20110421AAA	36 03 43.0 98 12 40.0	50.000 59	2.6 416	26.0	28.1	55.5		
204C2 KAJT Ada	LIC CX OK	136.7 317.2	119.4 BLED20060417AGA	34 46 32.0 96 35 15.0	31.000 73	51.3 339	30.9	29.3	29.2		
202A KIOP Prague	CP DCX OK	100.0 280.5	72.2 BMPED20090824ALF	35 26 42.0 96 42 06.0	1.500 90	1.7 376	17.1	30.3	52.8		
205A NONE Oscar	CP CX OK	190.9 10.7	174.7 BNPED20071022ACW	34 00 50.0 97 50 36.0	1.000 33	35.6 298	10.2	84.7	33.1		
204C2 KWTU Tulsa	LIC CX OK	72.1 253.1	171.4 BMLED20101110AAX	36 01 15.0 95 40 32.0	5.000 325	66.9 519	44.9	51.5	46.7		
208A KJCC Carnegie	LIC VX OK	241.5 60.9	102.5 BLED20050504AAA	35 06 59.0 98 28 26.0	0.350 59	1.3 473	10.5	47.8	87.5		
206C1 KWRI Bartlesville	LIC DVX OK	53.7 234.9	218.0 BLED20041021AEO	36 42 13.0 95 30 57.0	100.000 191	93.7 410	63.3	67.5	69.9		

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 = 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)
""affixed to 'IN' or 'OUT' values = site inside protected contour.
< = Station meets FCC minimum distance spacing for its class.
< = Contour Overlap

Part 2 - Request for Waiver of 47 C.F.R. Section 73.509

Educational Media Foundation ("EMF") desires to move the transmit antenna of station KYLV, Oklahoma City, OK. This proposal is engineered so as to NOT CAUSE interference to any existing station, known application or allocation. However, the proposed service area would RECEIVE interference from the following second adjacent facilities (see Exhibit 18 - E) for a contour map of the presumed interference areas):

Facility ID	Status	Call Sign	City of License
77089	CP	KSSO (CP)	Norman, OK
77089	LIC	KSSO (LIC)	Norman, OK
36529	LIC	KALU	Langston, OK

Again, this proposal will not cause interference to the above application as KYLV's proposed interfering 100 dBu contour will not overlap the applications' protected 60 dBu contour. KYLV's proposed protected contour would, however, receive prohibited overlap from the facilities listed above. The area of "overlap received" from the above referenced facilities will be approximately:

Interfering Call Sign (or File #)	Square km	Total area of proposed 60 dBu
KSSO (CP)	13	0.15%
KSSO (LIC)	9	0.11%
KALU	2	0.02%

This waiver request is nearly identical to the requests made by the licensees of WCPE(FM) and WCCE(FM) in Educational Information Corporation, 6 FCC Rcd 2207 (1991). WCPE(FM) requested a waiver in its application to permit *de minimus* overlap "received," and WCCE(FM) requested a waiver in its application to permit *de minimus* overlap "caused." In recognition of the importance of affording noncommercial educational stations the flexibility to expand and meet the growing demand for service, the Commission granted both waiver requests. The instant request fully satisfies the criteria established by the Commission for waiver of Section 73.509 of the Commission's rules as it pertains to overlap received*.

Significant service will be maintained by the proposed KYLV. The overlap area is very small and well within the scope of the Commission's waiver policy. Clearly, the potential for interference to the proposed area constitutes less than 1% (total) of the station's proposed service area. Accordingly EMF respectfully submits that a waiver of Section 73.509(a) of the Commission's rules is justified in this instance.

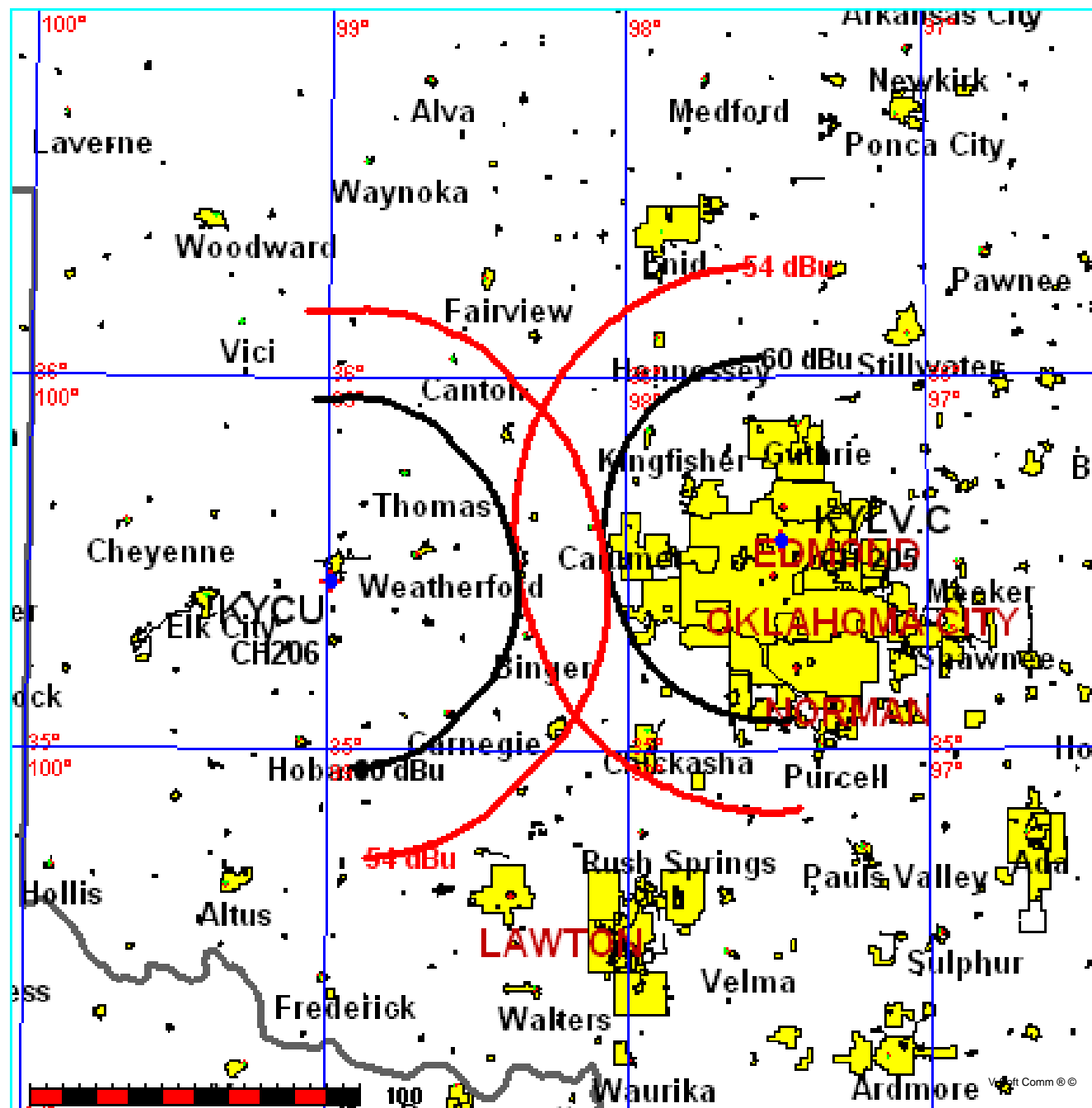
* EMF wishes to emphasize that its request is not at all similar to the second waiver request made by WCPE in Educational Information Corporation, 1997 FCC LEXIS 2636 (May 20, 1997). Unlike here, WCPE was seeking a waiver of overlap "caused" in that second case.

Exhibit 18 - A
Educational Media Foundation

FMCommander Single Allocation Study - 08-25-2011 - NGDC 30 SEC
KYL.V.C's Overlaps (In= 0.33 km, Out= 0.28 km)

KYL.V.C CH 205 C1 DA
Lat= 35 33 37.0, Lng= 97 29 06.0
5.9 kW 464.4 M HAAT, 814 M COR
Prot.= 60 dBu, Intef.= 54 dBu

KYCU CH 206 C1 BLED20021001AAC
Lat= 35 26 40.0, Lng= 98 59 22.0
40.0 kW 193 M HAAT, 680 M COR
Prot.= 60 dBu, Intef.= 54 dBu



KYLV and KYCU

08-25-2011 Terrain Data FMOver Analysis

KYLV. C

KYCU BLED20021001AAC

Channel = 205C1
Max ERP = 5.9 kW
RCAMSL = 814 M
N. Lat. 35 33 37.0
W. Lng. 97 29 06.0
Protected
60 dBu

Channel = 206C1
Max ERP = 40 kW
RCAMSL = 680 M
N. Lat. 35 26 40.0
W. Lng. 98 59 22.0
Interfering
54 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)
249.0	005.9000	0433.6	053.1	093.8	040.0000	0220.5	087.3	53.02	
250.0	005.9000	0433.8	053.1	093.2	040.0000	0220.1	086.9	53.13	
251.0	005.9000	0434.4	053.1	092.7	040.0000	0219.5	086.5	53.24	
252.0	005.9000	0435.0	053.2	092.1	040.0000	0218.9	086.1	53.33	
253.0	005.9000	0435.4	053.2	091.5	040.0000	0218.5	085.8	53.43	
254.0	005.9000	0435.8	053.2	091.0	040.0000	0217.9	085.5	53.50	
255.0	005.9000	0436.3	053.2	090.4	040.0000	0217.0	085.2	53.56	
256.0	005.9000	0436.9	053.3	089.8	040.0000	0216.1	084.9	53.62	
257.0	005.9000	0437.6	053.3	089.1	040.0000	0215.2	084.6	53.67	
258.0	005.9000	0438.6	053.4	088.5	040.0000	0214.3	084.4	53.71	
259.0	005.9000	0439.4	053.4	087.9	040.0000	0213.4	084.2	53.74	
260.0	005.9000	0440.3	053.5	087.3	040.0000	0212.4	084.0	53.77	
261.0	005.9000	0441.0	053.5	086.7	040.0000	0212.1	083.8	53.81	
262.0	005.9000	0441.6	053.5	086.0	040.0000	0212.0	083.7	53.84	
263.0	005.9000	0442.3	053.6	085.4	040.0000	0211.8	083.6	53.87	
264.0	005.9000	0442.9	053.6	084.7	040.0000	0211.6	083.5	53.88	
265.0	005.9000	0443.4	053.6	084.1	040.0000	0211.2	083.5	53.88	
266.0	005.9000	0444.2	053.7	083.4	040.0000	0210.8	083.5	53.87	
267.0	005.9000	0445.4	053.8	082.8	040.0000	0210.2	083.4	53.86	
268.0	005.9000	0446.7	053.8	082.1	040.0000	0209.7	083.4	53.84	
269.0	005.9000	0447.9	053.9	081.5	040.0000	0209.2	083.5	53.81	
270.0	005.9000	0448.6	053.9	080.9	040.0000	0208.6	083.6	53.76	
271.0	005.9000	0449.3	054.0	080.2	040.0000	0208.0	083.7	53.70	
272.0	005.9000	0450.0	054.0	079.6	040.0000	0207.3	083.8	53.63	
273.0	005.9000	0450.6	054.0	078.9	040.0000	0206.7	084.0	53.55	
274.0	005.9000	0451.0	054.1	078.3	040.0000	0206.1	084.2	53.46	
275.0	005.9000	0451.2	054.1	077.7	040.0000	0205.5	084.4	53.36	
276.0	005.9000	0451.5	054.1	077.1	040.0000	0205.1	084.7	53.26	
277.0	005.9000	0451.6	054.1	076.5	040.0000	0204.7	085.0	53.15	
278.0	005.9000	0451.9	054.1	075.9	040.0000	0204.4	085.3	53.04	

08-25-2011 Terrain Data

KYCU BLED20021001AAC

Channel = 206C1
Max ERP = 40 kW
RCAMSL = 680 M
N. Lat. 35 26 40.0
W. Lng. 98 59 22.0
Protected
60 dBu

KYLV. C

Channel = 205C1
Max ERP = 5.9 kW
RCAMSL = 814 M
N. Lat. 35 33 37.0
W. Lng. 97 29 06.0
Interfering
54 dBu

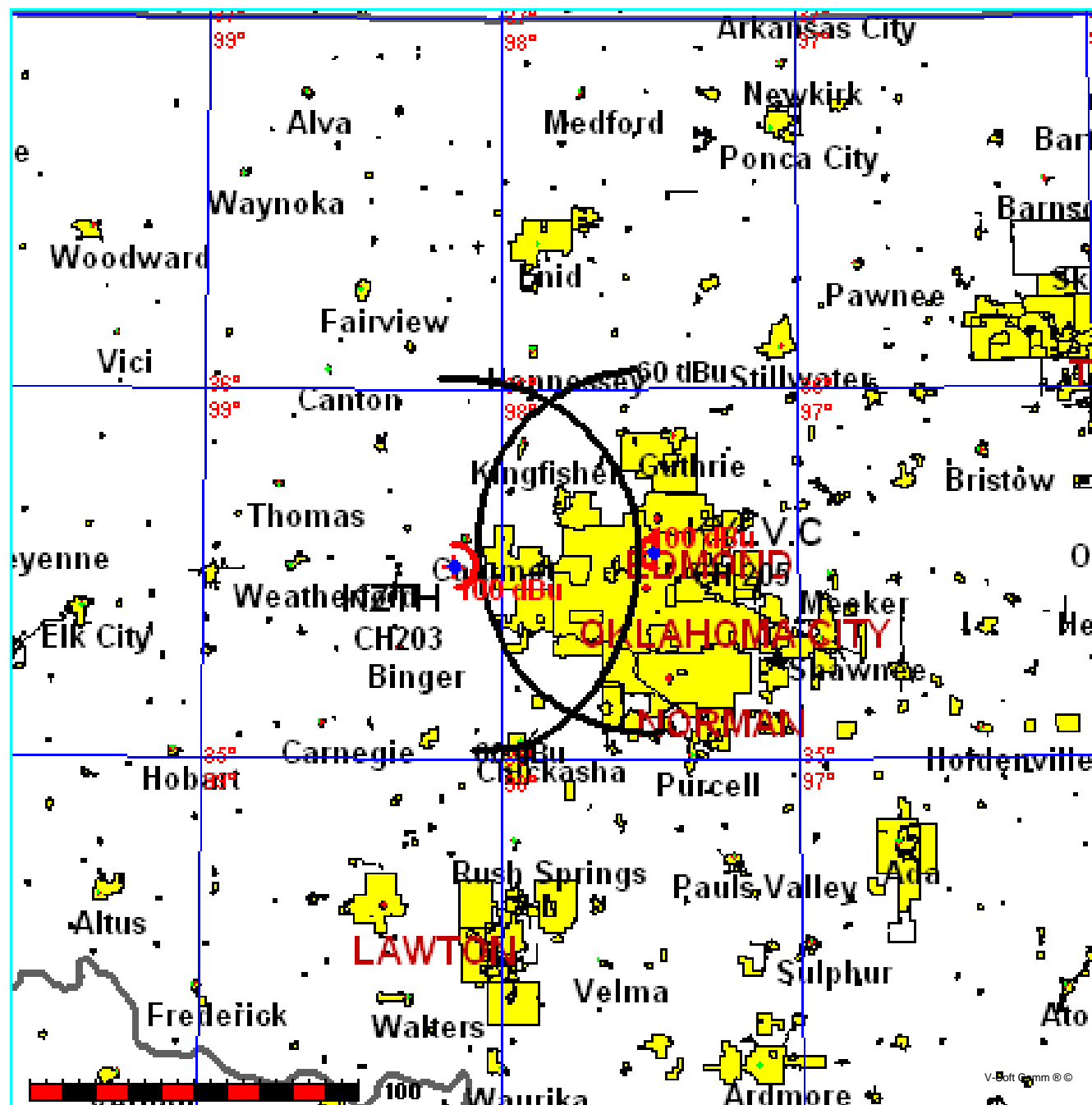
Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Actual (dBu)	I X (km)
070.0	040.0000	0204.3	055.7	274.5	005.9000	0451.1	084.2	53.02	
071.0	040.0000	0204.3	055.7	273.9	005.9000	0451.0	083.9	53.14	
072.0	040.0000	0204.4	055.7	273.3	005.9000	0450.7	083.5	53.25	
073.0	040.0000	0204.3	055.7	272.6	005.9000	0450.4	083.2	53.34	
074.0	040.0000	0204.3	055.7	272.0	005.9000	0450.0	082.9	53.43	
075.0	040.0000	0204.3	055.7	271.4	005.9000	0449.5	082.6	53.50	
076.0	040.0000	0204.5	055.7	270.7	005.9000	0449.1	082.3	53.58	
077.0	040.0000	0205.0	055.8	270.0	005.9000	0448.6	082.1	53.65	
078.0	040.0000	0205.8	055.8	269.4	005.9000	0448.2	081.8	53.72	
079.0	040.0000	0206.7	055.9	268.7	005.9000	0447.6	081.6	53.78	
080.0	040.0000	0207.8	056.0	268.0	005.9000	0446.7	081.3	53.83	
081.0	040.0000	0208.7	056.1	267.4	005.9000	0445.9	081.1	53.87	
082.0	040.0000	0209.6	056.2	266.7	005.9000	0445.0	081.0	53.90	
083.0	040.0000	0210.4	056.2	266.0	005.9000	0444.2	080.9	53.91	
084.0	040.0000	0211.1	056.3	265.3	005.9000	0443.5	080.8	53.92	
085.0	040.0000	0211.7	056.3	264.6	005.9000	0443.2	080.7	53.93	
086.0	040.0000	0212.0	056.4	263.9	005.9000	0442.8	080.7	53.91	
087.0	040.0000	0212.3	056.4	263.2	005.9000	0442.4	080.8	53.89	
088.0	040.0000	0213.5	056.5	262.5	005.9000	0442.0	080.8	53.88	
089.0	040.0000	0215.0	056.6	261.8	005.9000	0441.5	080.8	53.87	
090.0	040.0000	0216.4	056.7	261.1	005.9000	0441.0	080.8	53.85	
091.0	040.0000	0217.9	056.9	260.4	005.9000	0440.5	080.8	53.81	
092.0	040.0000	0218.8	056.9	259.7	005.9000	0440.0	081.0	53.75	
093.0	040.0000	0219.8	057.0	259.0	005.9000	0439.4	081.1	53.69	
094.0	040.0000	0220.7	057.1	258.3	005.9000	0438.8	081.3	53.61	
095.0	040.0000	0221.5	057.2	257.6	005.9000	0438.2	081.6	53.51	
096.0	040.0000	0221.9	057.2	256.9	005.9000	0437.6	081.9	53.40	
097.0	040.0000	0222.2	057.2	256.2	005.9000	0437.1	082.2	53.28	
098.0	040.0000	0222.6	057.2	255.6	005.9000	0436.6	082.5	53.15	
099.0	040.0000	0222.8	057.3	254.9	005.9000	0436.2	082.9	53.01	

Exhibit 18 - B
Educational Media Foundation

FMCommander Single Allocation Study - 08-25-2011 - NGDC 30 SEC
KYL.V.C's Overlaps (In= 0.95 km, Out= 0.35 km)

KYL.V.C CH 205 C1 DA
Lat= 35 33 37.0, Lng= 97 29 06.0
5.9 kW 464.4 M HAAT, 814 M COR
Prot.= 60 dBu, Intef.= 100 dBu

KZTH CH 203 C1 BLED20090708ADW
Lat= 35 31 17.0, Lng= 98 09 33.0
50.0 kW 182 M HAAT, 620 M COR
Prot.= 60 dBu, Intef.= 100 dBu



KYLV and KZTH

08-25-2011 Terrain Data FMOver Analysis

KYLV. C

KZTH BLED20090708ADW

Channel = 205C1
Max ERP = 5.9 kW
RCAMSL = 814 M
N. Lat. 35 33 37.0
W. Lng. 97 29 06.0
Protected
60 dBu

Channel = 203C1
Max ERP = 50 kW
RCAMSL = 620 M
N. Lat. 35 31 17.0
W. Lng. 98 09 33.0
Interfering
100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
257.0	005.9000	0437.6	053.3	129.9	050.0000	0192.3	012.0	90.09	
258.0	005.9000	0438.6	053.4	127.2	050.0000	0189.1	011.2	91.14	
259.0	005.9000	0439.4	053.4	124.0	050.0000	0185.7	010.5	92.17	
260.0	005.9000	0440.3	053.5	120.3	050.0000	0183.3	009.9	93.22	
261.0	005.9000	0441.0	053.5	116.1	050.0000	0179.7	009.3	94.14	
262.0	005.9000	0441.6	053.5	111.1	050.0000	0178.0	008.7	95.05	
263.0	005.9000	0442.3	053.6	105.6	050.0000	0178.6	008.3	95.93	
264.0	005.9000	0442.9	053.6	099.4	050.0000	0180.5	007.9	96.68	
265.0	005.9000	0443.4	053.6	092.7	050.0000	0184.8	007.7	97.32	
266.0	005.9000	0444.2	053.7	085.7	050.0000	0188.5	007.6	97.71	
267.0	005.9000	0445.4	053.8	078.6	050.0000	0193.2	007.6	97.91	
268.0	005.9000	0446.7	053.8	071.6	050.0000	0199.0	007.7	97.88	
269.0	005.9000	0447.9	053.9	065.0	050.0000	0200.2	008.0	97.41	
270.0	005.9000	0448.6	053.9	059.0	050.0000	0200.4	008.4	96.66	
271.0	005.9000	0449.3	054.0	053.6	050.0000	0200.4	008.9	95.72	
272.0	005.9000	0450.0	054.0	049.0	050.0000	0200.9	009.5	94.69	
273.0	005.9000	0450.6	054.0	044.9	050.0000	0200.6	010.1	93.54	
274.0	005.9000	0451.0	054.1	041.5	050.0000	0200.8	010.8	92.34	
275.0	005.9000	0451.2	054.1	038.6	050.0000	0201.1	011.6	91.13	

08-25-2011 Terrain Data

KZTH BLED20090708ADW

Channel = 203C1
Max ERP = 50 kW
RCAMSL = 620 M
N. Lat. 35 31 17.0
W. Lng. 98 09 33.0
Protected
60 dBu

KYLV. C

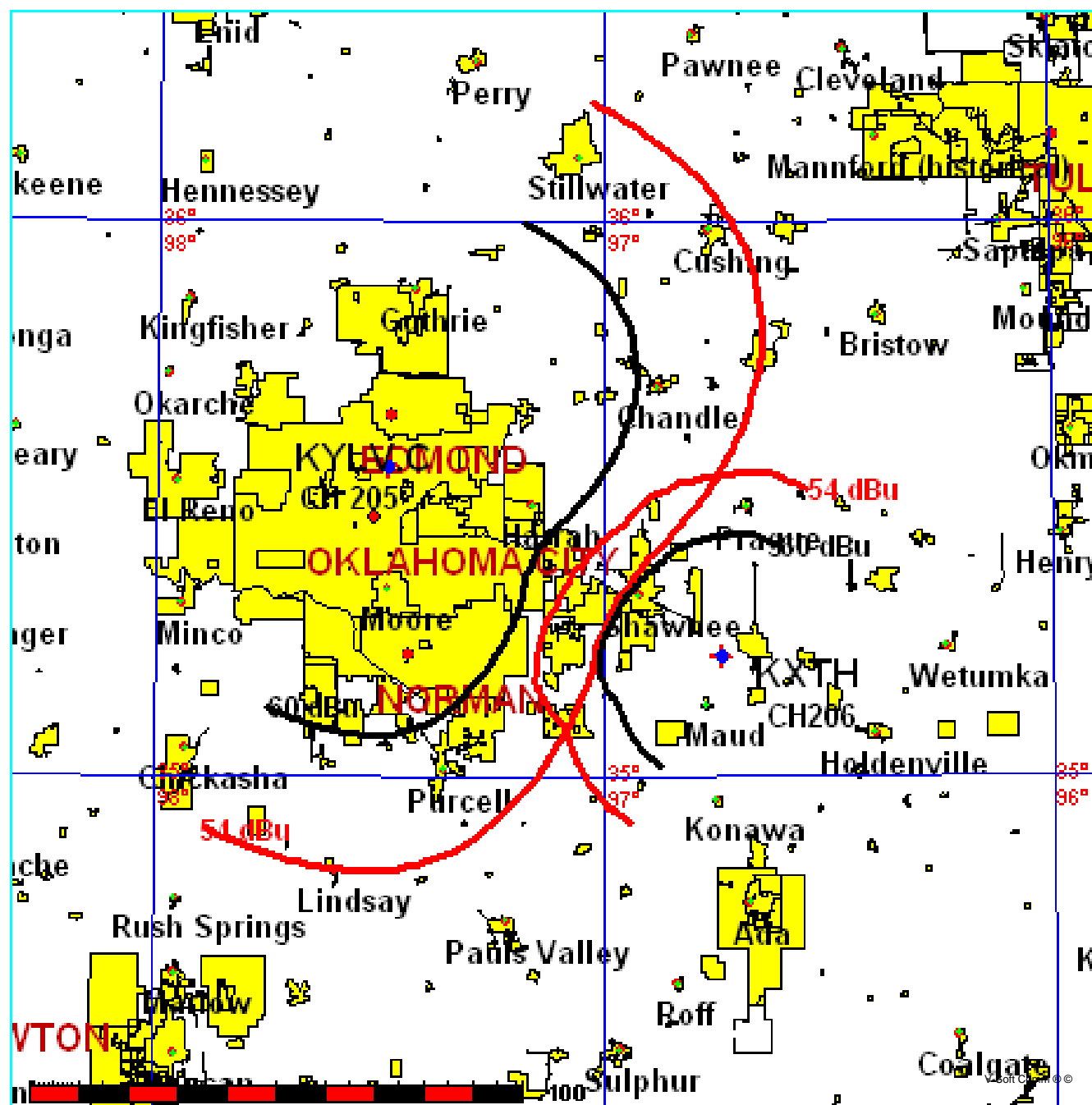
Channel = 205C1
Max ERP = 5.9 kW
RCAMSL = 814 M
N. Lat. 35 33 37.0
W. Lng. 97 29 06.0
Interfering
100 dBu

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)
077.0	050.0000	0195.0	056.9	326.5	005.9000	0473.4	010.2	90.62	
078.0	050.0000	0193.9	056.8	323.8	005.9000	0473.3	009.3	91.84	
079.0	050.0000	0192.8	056.7	320.3	005.9000	0473.6	008.5	93.02	
080.0	050.0000	0191.7	056.6	316.1	005.9000	0474.8	007.7	94.16	
081.0	050.0000	0190.7	056.5	310.8	005.9000	0472.6	006.9	95.26	
082.0	050.0000	0190.0	056.5	304.5	005.9000	0470.7	006.3	96.41	
083.0	050.0000	0189.4	056.4	296.7	005.9000	0467.5	005.7	97.53	
084.0	050.0000	0189.0	056.4	287.5	005.9000	0461.2	005.3	98.48	
085.0	050.0000	0188.7	056.4	276.9	005.9000	0451.6	005.0	99.08	
086.0	050.0000	0188.4	056.3	265.5	005.9000	0443.7	004.9	99.19	
087.0	050.0000	0187.9	056.3	254.4	005.9000	0435.9	005.1	98.78	
088.0	050.0000	0187.4	056.2	244.3	005.9000	0436.3	005.4	97.96	
089.0	050.0000	0186.9	056.2	235.9	005.9000	0449.3	006.0	96.90	
090.0	050.0000	0186.4	056.2	228.9	005.9000	0455.9	006.6	95.74	
091.0	050.0000	0185.9	056.1	223.4	005.9000	0456.8	007.3	94.59	
092.0	050.0000	0185.4	056.1	219.0	005.9000	0456.4	008.1	93.45	
093.0	050.0000	0184.5	056.0	215.7	005.9000	0456.6	008.9	92.25	
094.0	050.0000	0183.5	055.9	213.1	005.9000	0456.2	009.8	91.00	

FMCommander Single Allocation Study - 08-25-2011 - NGDC 30 SEC
KYL.V.C's Overlaps (In= 8.7 km, Out= 1.26 km)

KYL.V.C CH 205 C1 DA
Lat= 35 33 37.0, Lng= 97 29 06.0
5.9 kW 464.4 M HAAT, 814 M COR
Prot.= 60 dBu, Intef.= 54 dBu

KXTH CH 206 A BLED20101101ABQ
Lat= 35 12 53.0, Lng= 96 44 26.0
2.6 kW 115 M HAAT, 402 M COR
Prot.= 60 dBu, Intef.= 54 dBu



KYLV and KXTH

08-25-2011 Terrain Data

KXTH BLED20101101ABQ

KYLV. C

Channel = 206A
Max ERP = 2.6 kW
RCAMSL = 402 M
N. Lat. 35 12 53.0
W. Lng. 96 44 26.0
Protected
60 dBu

Channel = 205C1
Max ERP = 5.9 kW
RCAMSL = 814 M
N. Lat. 35 33 37.0
W. Lng. 97 29 06.0
Interfering
54 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)
259.0	002.6000	0115.0	025.0	135.0	000.9649	0458.4	061.0	53.05	
260.0	002.6000	0116.7	025.2	134.9	000.9599	0458.3	060.5	53.19	
261.0	002.6000	0117.8	025.3	134.7	000.9527	0458.1	060.1	53.30	
262.0	002.6000	0118.1	025.3	134.5	000.9424	0457.8	059.7	53.38	
263.0	002.6000	0117.6	025.2	134.2	000.9296	0457.4	059.4	53.43	
264.0	002.6000	0116.6	025.1	133.8	000.9149	0457.0	059.1	53.45	
265.0	002.6000	0116.0	025.1	133.5	000.9013	0456.6	058.8	53.48	
266.0	002.6000	0115.7	025.1	133.2	000.8884	0456.2	058.5	53.52	
267.0	002.6000	0115.5	025.1	132.9	000.8753	0455.9	058.2	53.56	
268.0	002.6000	0115.0	025.0	132.6	000.8611	0455.5	057.9	53.58	
269.0	002.6000	0114.4	024.9	132.2	000.8464	0455.1	057.7	53.59	
270.0	002.6000	0113.7	024.9	131.9	000.8316	0454.7	057.4	53.60	
271.0	002.6000	0113.1	024.8	131.5	000.8166	0454.4	057.2	53.60	
272.0	002.6000	0112.4	024.8	131.1	000.8014	0454.2	057.0	53.60	
273.0	002.6000	0111.3	024.6	130.7	000.7848	0453.9	056.8	53.57	
274.0	002.6000	0110.2	024.5	130.3	000.7686	0453.8	056.6	53.54	
275.0	002.6000	0109.3	024.4	129.9	000.7551	0453.7	056.4	53.53	
276.0	002.6000	0108.7	024.4	129.5	000.7506	0453.6	056.2	53.57	
277.0	002.6000	0108.1	024.3	129.1	000.7461	0453.7	056.1	53.61	
278.0	002.6000	0107.6	024.3	128.7	000.7416	0453.8	055.9	53.66	
279.0	002.6000	0107.2	024.2	128.3	000.7371	0453.9	055.7	53.70	
280.0	002.6000	0106.5	024.2	127.9	000.7324	0454.1	055.6	53.73	
281.0	002.6000	0105.8	024.1	127.5	000.7277	0454.3	055.4	53.76	
282.0	002.6000	0104.6	024.0	127.0	000.7227	0454.6	055.4	53.75	
283.0	002.6000	0102.9	023.8	126.6	000.7174	0454.8	055.4	53.73	
284.0	002.6000	0101.4	023.6	126.1	000.7123	0455.0	055.4	53.71	
285.0	002.6000	0100.2	023.5	125.7	000.7074	0455.1	055.3	53.69	
286.0	002.6000	0099.4	023.4	125.2	000.7026	0455.2	055.3	53.68	
287.0	002.6000	0098.9	023.3	124.8	000.6980	0455.2	055.2	53.69	
288.0	002.6000	0098.6	023.3	124.4	000.6935	0455.1	055.1	53.69	
289.0	002.6000	0098.3	023.2	124.0	000.6889	0455.1	055.0	53.69	
290.0	002.6000	0098.1	023.2	123.6	000.6844	0455.0	054.9	53.69	
291.0	002.6000	0098.0	023.2	123.1	000.6799	0455.0	054.9	53.69	
292.0	002.6000	0097.7	023.2	122.7	000.6753	0455.0	054.8	53.67	
293.0	002.6000	0097.0	023.1	122.3	000.6707	0455.1	054.8	53.65	
294.0	002.6000	0096.4	023.0	121.9	000.6661	0455.2	054.8	53.61	
295.0	002.6000	0096.1	023.0	121.4	000.6616	0455.3	054.8	53.59	
296.0	002.6000	0096.2	023.0	121.0	000.6572	0455.4	054.8	53.59	
297.0	002.6000	0096.3	023.0	120.6	000.6527	0455.6	054.7	53.58	
298.0	002.6000	0096.1	023.0	120.2	000.6483	0455.8	054.7	53.55	
299.0	002.6000	0095.4	022.9	119.8	000.6496	0456.0	054.8	53.54	

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Exhibit 18-C1
Oklahoma City, OK

300.0	002.6000	0094.5	022.8	119.3	000.6550	0456.2	054.9	53.54
301.0	002.6000	0093.4	022.7	118.9	000.6604	0456.4	055.0	53.53
302.0	002.6000	0092.3	022.6	118.5	000.6656	0456.5	055.2	53.51
303.0	002.6000	0091.6	022.5	118.1	000.6709	0456.7	055.3	53.51
304.0	002.6000	0091.3	022.4	117.7	000.6762	0456.8	055.4	53.52
305.0	002.6000	0091.4	022.4	117.3	000.6815	0456.8	055.4	53.54
306.0	002.6000	0091.7	022.5	116.9	000.6869	0456.9	055.4	53.57
307.0	002.6000	0091.8	022.5	116.5	000.6923	0456.9	055.5	53.58
308.0	002.6000	0091.6	022.5	116.1	000.6975	0457.0	055.6	53.58
309.0	002.6000	0091.1	022.4	115.7	000.7027	0457.1	055.7	53.56
310.0	002.6000	0090.6	022.3	115.4	000.7077	0457.2	055.9	53.54
311.0	002.6000	0090.2	022.3	115.0	000.7128	0457.3	056.0	53.52
312.0	002.6000	0090.1	022.3	114.6	000.7179	0457.5	056.1	53.51
313.0	002.6000	0090.1	022.3	114.2	000.7231	0457.6	056.3	53.50
314.0	002.6000	0090.2	022.3	113.8	000.7283	0457.6	056.4	53.49
315.0	002.6000	0090.5	022.3	113.5	000.7335	0457.7	056.5	53.48
316.0	002.6000	0090.5	022.3	113.1	000.7386	0457.7	056.6	53.46
317.0	002.6000	0090.3	022.3	112.7	000.7434	0457.7	056.8	53.42
318.0	002.6000	0089.8	022.2	112.4	000.7480	0457.6	057.0	53.36
319.0	002.6000	0089.1	022.2	112.1	000.7524	0457.4	057.3	53.29
320.0	002.6000	0088.4	022.1	111.8	000.7566	0457.3	057.5	53.22
321.0	002.6000	0088.1	022.0	111.5	000.7610	0457.1	057.8	53.16
322.0	002.6000	0088.2	022.1	111.1	000.7658	0457.0	057.9	53.12
323.0	002.6000	0088.8	022.1	110.8	000.7709	0456.8	058.1	53.09
324.0	002.6000	0089.5	022.2	110.4	000.7761	0456.7	058.2	53.07
325.0	002.6000	0090.1	022.3	110.0	000.7812	0456.7	058.4	53.04
326.0	002.6000	0090.7	022.3	109.7	000.7943	0456.7	058.5	53.05
327.0	002.6000	0091.2	022.4	109.3	000.8083	0456.8	058.7	53.06
328.0	002.6000	0091.8	022.5	109.0	000.8226	0456.9	058.9	53.07
329.0	002.6000	0092.5	022.6	108.7	000.8372	0457.0	059.1	53.08
330.0	002.6000	0093.3	022.7	108.3	000.8517	0457.2	059.3	53.09
331.0	002.6000	0093.9	022.7	108.0	000.8660	0457.2	059.5	53.09
332.0	002.6000	0094.6	022.8	107.6	000.8801	0457.3	059.7	53.08
333.0	002.6000	0095.4	022.9	107.3	000.8945	0457.2	059.9	53.08
334.0	002.6000	0096.2	023.0	107.0	000.9089	0457.1	060.1	53.06
335.0	002.6000	0097.0	023.1	106.6	000.9233	0457.0	060.4	53.05
336.0	002.6000	0097.8	023.2	106.3	000.9374	0456.9	060.6	53.02

FMCommander Single Allocation Study - 08-25-2011 - NGDC 30 SEC
KYL.V.C's Overlaps (In= 14.25 km, Out= 6.03 km)

KYLV.C CH 205 C1 DA
Lat= 35 33 37.0, Lng= 97 29 06.0
5.9 kW 464.4 M HAAT, 814 M COR
Prot.= 60 dBu, Intef.= 54 dBu

KLVV CH 204 C3 BLED19921229KA
 Lat= 36 41 25.0, Lng= 97 10 20.0
 11.5 kW 146 M HAAT, 444 M COR
 Prot.= 60 dBu, Intef.= 54 dBu

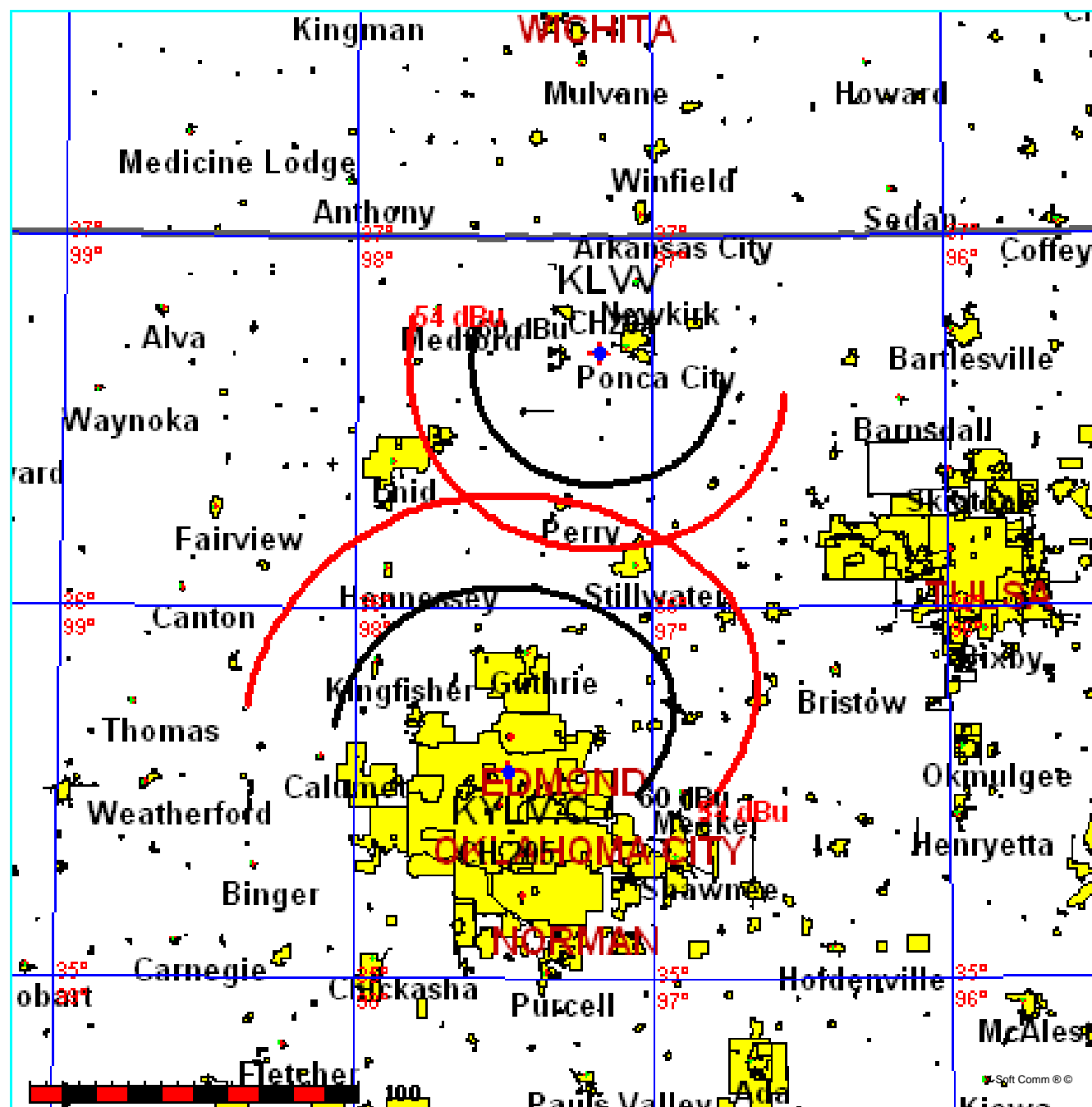


Exhibit 18 - E
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FMCommander Single Allocation Study - 08-25-2011 - NGDC 30 SEC
KYL.V.C's Overlaps (In= 63.36 km, Out= 9.34 km)

KYL.V.C CH 205 C1 DA
Lat= 35 33 37.0, Lng= 97 29 06.0
5.9 kW 464.4 M HAAT, 814 M COR
Prot.= 60 dBu, Intef.= 40 dBu

KARU CH 205 A BLED20050721ABL
Lat= 34 38 10.0, Lng= 98 41 32.0
0.44 kW 79 M HAAT, 493 M COR
Prot.= 60 dBu, Intef.= 40 dBu

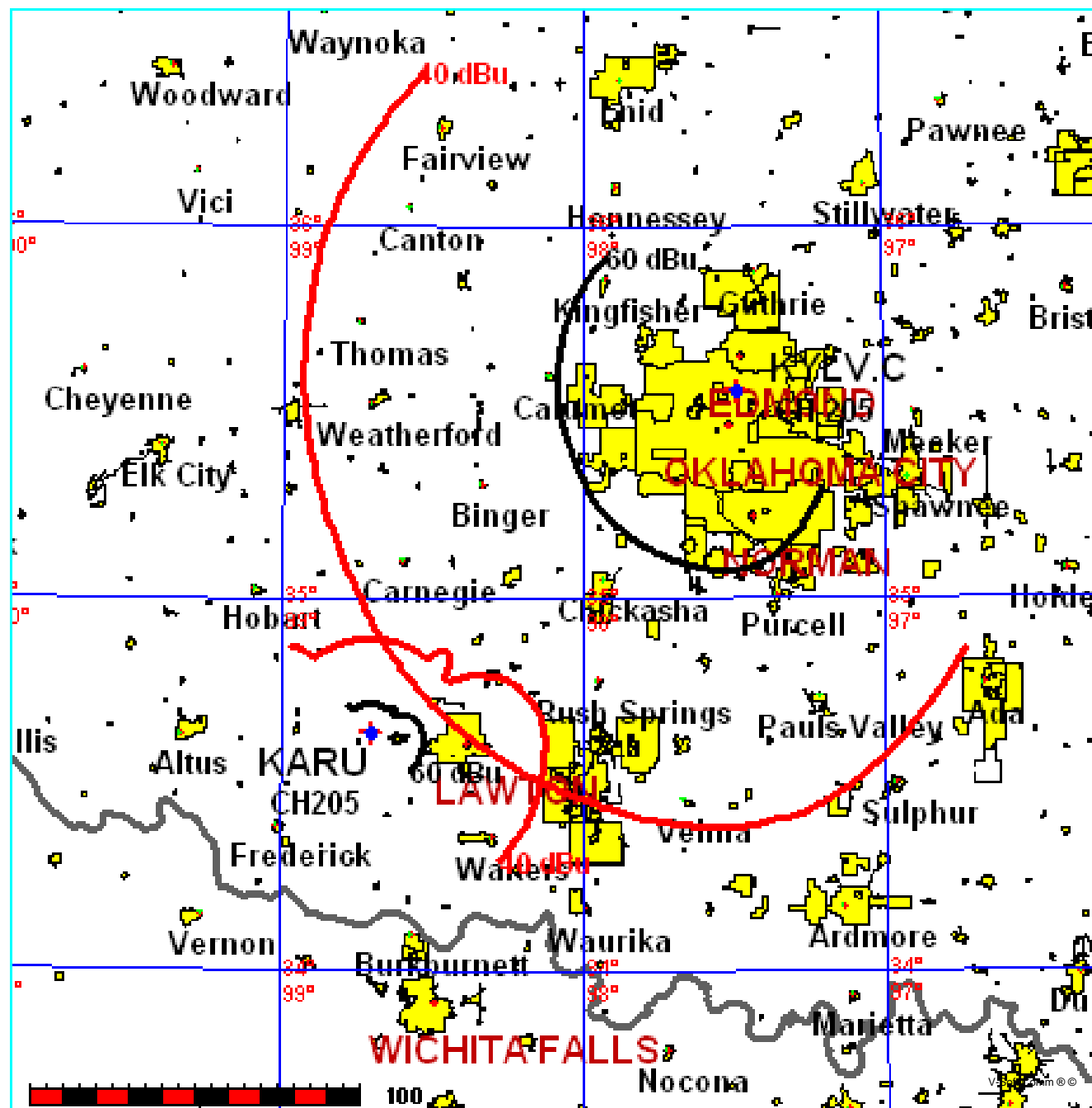


Exhibit 18 - F

KYLV.C

Latitude: 35-33-37 N
Longitude: 097-29-06 W
ERP: 5.90 kW
Channel: 205
Frequency: 88.9 MHz
AMSL Height: 814.0 m
Elevation: 349.0 m

KSSO.C

BPED20110124ABB
Latitude: 35-13-22 N
Longitude: 097-26-21 W
ERP: 5.90 kW
Channel: 207
Frequency: 89.3 MHz
AMSL Height: 399.3 m
Elevation: 356.6 m

KSSO

BLED20070125AAT
Latitude: 35-13-22 N
Longitude: 097-26-21 W
ERP: 2.30 kW
Channel: 207
Frequency: 89.3 MHz
AMSL Height: 399.3 m
Elevation: 356.6 m

KALU

BLED19951003KA
Latitude: 35-56-36 N
Longitude: 097-15-32 W
ERP: 0.15 kW
Channel: 207
Frequency: 89.3 MHz
AMSL Height: 364.0 m
Elevation: 295.0 m

