

NEW FM APPLICATION
FAMILY LIFE EDUCATIONAL FOUNDATION
NEW FM RADIO STATION
CH 215A - 90.9 MHZ - 0.28 KW (DA)
MINDEN, LOUISIANA
October 2007

EXHIBIT A

Non-Commercial Allocation Analysis & Section 73.509 Study

Because of its operating channel, the proposed New FM facility at Minden, Louisiana could potentially impact other authorized or proposed non-commercial stations operating on co- or adjacent FM channels. The detailed list of stations reviewed as potentially impacted by Channel 215A at Minden, Louisiana are shown on Exhibit A1. The three closest (nearby) stations/facilities reviewed in detail are KBSA, Channel 215C3, El Dorado, Arkansas; KGRM, Channel 218C2, Grambling, Louisiana; and KLSA, Channel 214C, Alexandria, Louisiana.¹ The provisions of §73.509 of the rules will be met by specifying less than maximum Class A facilities and using a directional antenna system.

Section 73.509 Analysis

Exhibit A2 specifically demonstrates that there will be no prohibited overlap between the proposed New FM and either KBSA, KGRM, or KLSA. Attached as Exhibits A3 through A8 are the tabulated distances to the protected and interfering contours, along pertinent arcs, of the proposed New FM and KBSA, KGRM and KLSA. As indicated, there is no prohibited overlap of contours between these facilities. Attached as Exhibit A9 is a tabulation of the proposed New FM protected and interfering contours. As such, this proposal is in compliance with §73.509 of the rules.

1) The remaining stations listed on Exhibit A1 were reviewed. No contour overlap exists between those stations and the New FM. KTAL-TV is addressed separately in Exhibit B.

Commercial §73.207 Review and I.F. Issues

The nearest station operating on a frequency either 53 or 54 channels removed from this instant proposal is the licensed transmitter site of KMLK, Channel 268A, El Dorado, Arkansas. The KMLK site is located on a bearing of 40.5° at a distance of 91.8 kilometers from the proposed New FM site. Pursuant to §73.207 of the rules, the New FM facility must be a minimum of 10.0 kilometers from the KMLK site. The New FM site is located more than 80.0 kilometers farther than the required distance. Therefore, this proposal does not impact any intermediate frequency stations.

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EXHIBIT A1

Interference Study for New FM station Minden, Louisiana
Using Proposed Site as Reference

REFERENCE		CH# 215A - 90.9 MHz, Pwr= 0.28 kW, HAAT= 88.2 M, COR= 153.9 M								DISPLAY DATES	
32 31 55.0 N.		Average Protected F(50-50)= 12.4 km								DATA 10-02-07	
93 16 12.0 W.										SEARCH 10-02-07	
CH CITY	CALL	TYPE STATE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT (M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
215C3 El Dorado	KBSA	LIC	CN	32.6	97.70	33 16 19.0	3.000	86.5	30.5	0.40	30.37
		AR		212.9	BLED-19871228KA	92 42 12.0	179	232	Bd Supervisors, Louisiana		
218C2 Grambling	KGRM	LIC	CN	91.9	51.32	32 30 56.0	50.000	5.5	48.9	34.71	1.51
		LA		272.2	BLED-19901005KA	92 43 27.0	150	229	Grambling College Of Louisiana		
214C Alexandria	KLSA	LIC	CN	147.4	127.05	31 33 56.0	100.000	116.4	78.5	2.57	37.08
		LA		327.8	BLED-19861224KB	92 32 50.0	379	428	Bd Supervisors, Louisiana		
215C1 Lufkin	KSWP	LIC	DCN	225.5	183.17	31 22 08.0	100.000	168.1	68.9	3.66	75.19
		TX		44.7	BLED-19980219KA	94 38 45.0	246	326	Lufkin Educational Broadcast		
217A Shreveport	KSCL	CP	ZCX	262.6	43.68	32 28 51.4	2.600	1.7	17.2	28.69	25.34
		LA		82.4	BPED-20051123AJD	93 43 51.1	56	111	Centenary College Of Louisiana		
217A Shreveport	KSCL	LIC	HN	263.0	43.69	32 29 01.0	0.150	0.9	6.2	29.55	36.29
		LA		82.8	BLED-19811022AQ	93 43 53.0	24	78	Centenary College Of Louisiana		
215C1 Idabel	KXRT	CP	DVX	316.1	197.17	33 48 03.0	100.000	154.2	57.9	29.69	93.53
		OK		135.3	BPED-20030804ABC	94 45 02.0	136	248	American Family Association		
216A Greenwood	AP6914	APP	DVN	259.8	67.96	32 25 18.0	0.200	18.2	12.3	36.51	35.86
		LA		79.4	BNPED-20000407ADC	93 58 52.0	97	175	Pensacola Christian College		
216C2 Monroe	KXUL	LIC	CN	82.8	120.90	32 39 38.0	8.500	64.0	43.3	45.30	60.80
		LA		263.5	BLED-19920608KD	91 59 28.0	218	240	University Of Louisiana		
212C1 Monroe	KEDM	APP	CX	82.8	120.90	32 39 38.0	100.000	9.6	69.7	99.79	50.21
		LA		263.5	BPED-20070904ACX	91 59 28.0	261	285	University Of Louisiana		
212C1 Monroe	KEDM	LIC	DEN	82.8	120.90	32 39 38.0	87.000	9.0	67.3	100.38	52.61
		LA		263.5	BLED-19910926KA	91 59 28.0	263	285	University Of Louisiana		
213C1 Nashville	KNLL	CP	DVX	345.1	111.70	33 30 17.0	100.000	6.5	55.4	92.55	55.15
		AR		165.0	BMPED-20070419AAW	93 34 47.0	147	240	American Family Association		
06Z2C Texarkana	KTALTV	LI	HN	301.1	80.39	32 54 12.0	100.000		119.4	179.5R	-99.1M
		TX		120.7	BLCT-1135	94 00 23.0	482	552	Nexstar Broadcasting, Inc.		

Terrain database is NGDC 30 SEC

ERP and HAAT on direct-line with reference station.

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.

Graham Brock, Inc. - Broadcast Technical Consultants

New FM

Latitude: 32-31-55 N
Longitude: 093-16-12 W
ERP: 0.28 kW
Channel: 215A
Frequency: 90.9 MHz
AMSL Height: 153.9 m

KGRM

BLED-19901005KA
Latitude: 32-30-56 N
Longitude: 092-43-27 W
ERP: 50.00 kW
Channel: 218C2
Frequency: 91.5 MHz
AMSL Height: 229.0 m

KLSA

BLED-19861224KB
Latitude: 31-33-56 N
Longitude: 092-32-50 W
ERP: 100.00 kW
Channel: 214C
Frequency: 90.7 MHz
AMSL Height: 428.0 m

KBSA

BLED-19871228KA
Latitude: 33-16-19 N
Longitude: 092-42-12 W
ERP: 3.00 kW
Channel: 215A
Frequency: 90.9 MHz
AMSL Height: 232.0 m

NEW FM 100 dBu (50/10)

NEW FM 60 dBu (50/50)

NEW FM 40 dBu (50/10)

NEW FM 54 dBu (50/10)

KBSA 40 dBu (50/10)

KBSA 60 dBu (50/50)

KGRM 60 dBu (50/50)

KGRM 100 dBu (50/10)

KLSA 54 dBu (50/10)

EXHIBIT A2
NEW FM APPLICATION
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Scale 1:1,500,000

0 20 40 60 km

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EXHIBIT A3

New FM - Proposed
Channel = 215A
Max ERP = 0.28 kW
RCAMSL = 153.9 M
N. Lat = 32 31 55.0
W. Lng = 93 16 12.0

KBSA - BLED-19871228KA
Channel = 215C3
Max ERP = 3 kW
RCAMSL = 232 M
N. Lat = 33 16 19
W. Lng = 92 42 12

Protected
60 dBu

Interfering
40 dBu

30 Second Terrain Database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
018.0	000.2800	0071.7	011.3	214.8	003.0000	0167.9	086.8	39.9
019.0	000.2800	0070.2	011.2	214.6	003.0000	0167.9	086.8	39.9
020.0	000.2800	0068.8	011.1	214.5	003.0000	0168.0	086.9	39.9
021.0	000.2800	0067.7	011.0	214.4	003.0000	0168.0	086.9	39.9
022.0	000.2800	0066.6	010.9	214.2	003.0000	0168.0	087.0	39.8
023.0	000.2800	0065.4	010.9	214.1	003.0000	0168.0	087.0	39.8
024.0	000.2800	0064.2	010.8	214.0	003.0000	0168.0	087.1	39.8
025.0	000.2800	0063.0	010.7	213.8	003.0000	0168.0	087.1	39.8
026.0	000.2800	0062.1	010.6	213.7	003.0000	0168.0	087.2	39.8
027.0	000.2800	0061.5	010.6	213.6	003.0000	0168.0	087.2	39.8
028.0	000.2800	0061.3	010.6	213.5	003.0000	0168.1	087.2	39.8
029.0	000.2800	0061.5	010.6	213.3	003.0000	0168.1	087.1	39.8
030.0	000.2800	0062.1	010.6	213.2	003.0000	0168.1	087.1	39.8
031.0	000.2800	0063.2	010.7	213.1	003.0000	0168.1	087.0	39.8
032.0	000.2800	0064.4	010.8	213.0	003.0000	0168.1	086.9	39.9
033.0	000.2800	0065.7	010.9	212.8	003.0000	0168.1	086.8	39.9
034.0	000.2800	0066.9	011.0	212.7	003.0000	0168.1	086.7	39.9
035.0	000.2800	0068.0	011.0	212.6	003.0000	0168.1	086.6	39.9
036.0	000.2800	0068.9	011.1	212.5	003.0000	0168.2	086.6	40.0
037.0	000.2800	0069.4	011.2	212.3	003.0000	0168.2	086.6	40.0
038.0	000.2800	0069.7	011.2	212.2	003.0000	0168.2	086.6	40.0
039.0	000.2800	0070.1	011.2	212.1	003.0000	0168.2	086.6	40.0
040.0	000.2800	0070.5	011.2	211.9	003.0000	0168.2	086.6	40.0
041.0	000.2800	0071.0	011.3	211.8	003.0000	0168.2	086.6	40.0
042.0	000.2800	0071.4	011.3	211.7	003.0000	0168.2	086.6	40.0
043.0	000.2800	0071.6	011.3	211.5	003.0000	0168.2	086.6	40.0
044.0	000.2800	0071.6	011.3	211.4	003.0000	0168.0	086.6	39.9
045.0	000.2800	0071.6	011.3	211.3	003.0000	0168.0	086.7	39.9
046.0	000.2800	0071.7	011.3	211.2	003.0000	0168.0	086.7	39.9
047.0	000.2800	0072.2	011.3	211.0	003.0000	0168.0	086.7	39.9
048.0	000.2800	0073.2	011.4	210.9	003.0000	0168.0	086.7	39.9
049.0	000.2800	0074.6	011.5	210.7	003.0000	0168.0	086.7	39.9
050.0	000.2800	0076.0	011.6	210.6	003.0000	0168.0	086.7	39.9
051.0	000.2800	0077.3	011.7	210.5	003.0000	0167.6	086.6	39.9
052.0	000.2800	0078.3	011.8	210.3	003.0000	0167.6	086.7	39.9
053.0	000.2800	0079.3	011.8	210.2	003.0000	0167.6	086.7	39.9
054.0	000.2800	0080.0	011.9	210.0	003.0000	0167.6	086.7	39.9
055.0	000.2800	0080.4	011.9	209.9	003.0000	0167.6	086.8	39.9
056.0	000.2800	0080.4	011.9	209.8	003.0000	0167.6	086.9	39.9
057.0	000.2800	0080.3	011.9	209.7	003.0000	0167.6	087.0	39.8
058.0	000.2800	0080.1	011.9	209.5	003.0000	0167.6	087.1	39.8

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EXHIBIT A4

KBSA - BLED-19871228KA
Channel = 215C3
Max ERP = 3 kW
RCAMSL = 232 M
N. Lat = 33 16 19
W. Lng = 92 42 12

New FM - Proposed
Channel = 215A
Max ERP = 0.28 kW
RCAMSL = 153.9 M
N. Lat = 32 31 55.0
W. Lng = 93 16 12.0

Protected
60 dBu

Interfering
40 dBu

30 Second Terrain Database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
190.0	003.0000	0168.3	030.5	042.3	000.2800	0071.4	070.7	29.5
191.0	003.0000	0169.1	030.6	042.0	000.2800	0071.4	070.3	29.6
192.0	003.0000	0169.7	030.6	041.6	000.2800	0071.4	070.0	29.7
193.0	003.0000	0170.2	030.7	041.2	000.2800	0071.0	069.7	29.8
194.0	003.0000	0170.5	030.7	040.9	000.2800	0071.0	069.4	29.8
195.0	003.0000	0170.5	030.7	040.5	000.2800	0070.5	069.2	29.9
196.0	003.0000	0170.7	030.7	040.1	000.2800	0070.5	068.9	29.9
197.0	003.0000	0170.8	030.7	039.7	000.2800	0070.5	068.7	30.0
198.0	003.0000	0170.8	030.7	039.3	000.2800	0070.1	068.5	30.0
199.0	003.0000	0170.7	030.7	038.8	000.2800	0070.1	068.3	30.1
200.0	003.0000	0170.4	030.7	038.4	000.2800	0069.7	068.2	30.1
201.0	003.0000	0170.1	030.7	038.0	000.2800	0069.7	068.0	30.1
202.0	003.0000	0169.9	030.6	037.5	000.2800	0069.7	067.9	30.1
203.0	003.0000	0169.6	030.6	037.1	000.2800	0069.4	067.8	30.2
204.0	003.0000	0169.2	030.6	036.7	000.2800	0069.4	067.7	30.2
205.0	003.0000	0168.7	030.5	036.2	000.2800	0068.9	067.6	30.2
206.0	003.0000	0168.2	030.5	035.8	000.2800	0068.9	067.6	30.2
207.0	003.0000	0167.6	030.4	035.3	000.2800	0068.0	067.5	30.1
208.0	003.0000	0167.2	030.4	034.9	000.2800	0068.0	067.5	30.1
209.0	003.0000	0167.2	030.4	034.4	000.2800	0066.9	067.4	30.1
210.0	003.0000	0167.6	030.4	034.0	000.2800	0066.9	067.4	30.1
211.0	003.0000	0168.0	030.5	033.5	000.2800	0066.9	067.3	30.1
212.0	003.0000	0168.2	030.5	033.1	000.2800	0065.7	067.3	30.0
213.0	003.0000	0168.1	030.5	032.6	000.2800	0065.7	067.3	30.0
214.0	003.0000	0168.0	030.5	032.2	000.2800	0064.4	067.3	30.0
215.0	003.0000	0167.9	030.5	031.7	000.2800	0064.4	067.3	29.9
216.0	003.0000	0167.7	030.5	031.3	000.2800	0063.2	067.3	29.8
217.0	003.0000	0167.7	030.4	030.8	000.2800	0063.2	067.4	29.8
218.0	003.0000	0167.7	030.4	030.4	000.2800	0062.1	067.5	29.7
219.0	003.0000	0167.9	030.5	029.9	000.2800	0062.1	067.5	29.7
220.0	003.0000	0168.2	030.5	029.5	000.2800	0061.5	067.6	29.7
221.0	003.0000	0168.4	030.5	029.0	000.2800	0061.5	067.7	29.7
222.0	003.0000	0168.6	030.5	028.6	000.2800	0061.5	067.8	29.6
223.0	003.0000	0168.6	030.5	028.2	000.2800	0061.3	067.9	29.6
224.0	003.0000	0168.6	030.5	027.7	000.2800	0061.3	068.0	29.5
225.0	003.0000	0168.5	030.5	027.3	000.2800	0061.5	068.2	29.5
226.0	003.0000	0168.4	030.5	026.9	000.2800	0061.5	068.4	29.5
227.0	003.0000	0168.3	030.5	026.5	000.2800	0062.1	068.6	29.5
228.0	003.0000	0168.0	030.5	026.1	000.2800	0062.1	068.8	29.4
229.0	003.0000	0167.7	030.4	025.7	000.2800	0062.1	069.0	29.3
230.0	003.0000	0167.2	030.4	025.3	000.2800	0063.0	069.2	29.3

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EXHIBIT A5

New FM - Proposed
Channel = 215A
Max ERP = 0.28 kW
RCAMSL = 153.9 M
N. Lat = 32 31 55.0
W. Lng = 93 16 12.0

KGRM - BLED-19901005KA
Channel = 218C2
Max ERP = 50 kW
RCAMSL = 229 M
N. Lat = 32 30 56
W. Lng = 92 43 27

Protected
60 dBu

Interfering
100 dBu

30 Second Terrain Database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
065.0	000.2744	0078.5	011.7	279.6	050.0000	0123.6	041.2	65.9
066.0	000.2733	0078.4	011.7	279.4	050.0000	0124.4	041.1	66.0
067.0	000.2722	0078.3	011.7	279.1	050.0000	0124.4	041.0	66.0
068.0	000.2711	0078.5	011.7	278.9	050.0000	0124.4	040.9	66.1
069.0	000.2700	0078.8	011.7	278.6	050.0000	0124.4	040.8	66.1
070.0	000.2689	0078.9	011.7	278.4	050.0000	0124.7	040.7	66.2
071.0	000.2651	0078.8	011.7	278.1	050.0000	0124.7	040.6	66.2
072.0	000.2613	0078.8	011.6	277.8	050.0000	0124.7	040.6	66.2
073.0	000.2575	0079.2	011.6	277.5	050.0000	0124.7	040.5	66.3
074.0	000.2538	0080.0	011.6	277.3	050.0000	0124.6	040.4	66.3
075.0	000.2500	0081.1	011.6	277.0	050.0000	0124.6	040.3	66.3
076.0	000.2464	0081.9	011.7	276.8	050.0000	0124.6	040.2	66.4
077.0	000.2427	0082.7	011.7	276.5	050.0000	0124.7	040.2	66.4
078.0	000.2391	0083.2	011.7	276.2	050.0000	0124.7	040.1	66.4
079.0	000.2354	0083.7	011.6	275.9	050.0000	0124.7	040.0	66.5
080.0	000.2319	0084.2	011.6	275.6	050.0000	0124.7	040.0	66.5
081.0	000.2278	0084.7	011.6	275.4	050.0000	0124.8	040.0	66.5
082.0	000.2238	0085.1	011.6	275.1	050.0000	0124.8	039.9	66.5
083.0	000.2198	0085.2	011.6	274.8	050.0000	0124.8	039.9	66.5
084.0	000.2158	0085.2	011.5	274.5	050.0000	0125.0	040.0	66.5
085.0	000.2119	0085.2	011.5	274.2	050.0000	0125.0	040.0	66.5
086.0	000.2081	0085.1	011.4	273.9	050.0000	0125.0	040.0	66.5
087.0	000.2042	0084.7	011.3	273.6	050.0000	0125.0	040.0	66.5
088.0	000.2004	0084.4	011.3	273.3	050.0000	0125.6	040.1	66.5
089.0	000.1966	0084.4	011.2	273.0	050.0000	0125.6	040.1	66.5
090.0	000.1929	0084.8	011.2	272.7	050.0000	0125.6	040.1	66.5
091.0	000.1887	0085.3	011.1	272.4	050.0000	0126.2	040.2	66.5
092.0	000.1846	0085.7	011.1	272.2	050.0000	0126.2	040.2	66.5
093.0	000.1805	0086.3	011.1	271.9	050.0000	0126.2	040.2	66.5
094.0	000.1765	0086.9	011.1	271.6	050.0000	0126.2	040.3	66.5
095.0	000.1725	0087.5	011.0	271.3	050.0000	0126.7	040.3	66.5
096.0	000.1686	0088.1	011.0	271.1	050.0000	0126.7	040.3	66.5
097.0	000.1647	0088.2	011.0	270.8	050.0000	0126.7	040.4	66.4
098.0	000.1609	0087.9	010.9	270.5	050.0000	0126.7	040.5	66.4
099.0	000.1571	0087.4	010.8	270.3	050.0000	0127.1	040.6	66.3
100.0	000.1533	0087.0	010.7	270.1	050.0000	0127.1	040.7	66.3
101.0	000.1492	0087.1	010.6	269.8	050.0000	0127.1	040.8	66.3
102.0	000.1452	0087.4	010.6	269.6	050.0000	0127.1	040.9	66.2
103.0	000.1411	0087.7	010.5	269.3	050.0000	0127.5	041.0	66.2
104.0	000.1372	0087.9	010.5	269.1	050.0000	0127.5	041.1	66.1
105.0	000.1333	0088.3	010.4	268.9	050.0000	0127.5	041.2	66.1

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EXHIBIT A6

KGRM - BLED-19901005KA
Channel = 218C2
Max ERP = 50 kW
RCAMSL = 229 M
N. Lat = 32 30 56
W. Lng = 92 43 27

New FM - Proposed
Channel = 215A
Max ERP = 0.28 kW
RCAMSL = 153.9 M
N. Lat = 32 31 55.0
W. Lng = 93 16 12.0

Protected
60 dBu

Interfering
100 dBu

30 Second Terrain Database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
253.0	050.0000	0137.7	050.5	169.7	000.0543	0082.4	016.9	47.6
254.0	050.0000	0137.2	050.4	169.8	000.0543	0082.4	016.0	48.3
255.0	050.0000	0136.6	050.4	169.8	000.0543	0082.4	015.1	49.1
256.0	050.0000	0135.9	050.3	169.7	000.0543	0082.4	014.2	49.9
257.0	050.0000	0135.0	050.1	169.4	000.0544	0082.8	013.3	51.1
258.0	050.0000	0133.9	050.0	168.8	000.0545	0082.8	012.4	52.3
259.0	050.0000	0133.0	049.8	168.1	000.0547	0083.0	011.6	53.7
260.0	050.0000	0132.0	049.7	167.3	000.0549	0082.9	010.7	55.1
261.0	050.0000	0131.1	049.6	166.3	000.0551	0082.4	009.9	56.6
262.0	050.0000	0130.7	049.5	165.4	000.0553	0081.7	009.0	58.1
263.0	050.0000	0130.6	049.5	164.6	000.0556	0081.7	008.1	59.7
264.0	050.0000	0130.4	049.5	163.3	000.0559	0080.8	007.3	61.5
265.0	050.0000	0130.0	049.4	161.4	000.0564	0081.3	006.5	63.8
266.0	050.0000	0129.4	049.3	158.4	000.0571	0081.1	005.7	66.2
267.0	050.0000	0128.3	049.2	153.7	000.0583	0082.2	004.9	68.9
268.0	050.0000	0127.9	049.1	148.2	000.0597	0080.0	004.2	71.5
269.0	050.0000	0127.5	049.1	140.3	000.0618	0080.6	003.5	74.6
270.0	050.0000	0127.1	049.0	128.7	000.0747	0081.8	002.9	78.5
271.0	050.0000	0126.7	048.9	112.4	000.1079	0089.6	002.5	83.1
272.0	050.0000	0126.2	048.9	092.6	000.1820	0086.3	002.4	85.7
273.0	050.0000	0125.6	048.8	073.9	000.2541	0080.0	002.7	85.1
274.0	050.0000	0125.0	048.7	059.5	000.2800	0079.7	003.1	82.9
275.0	050.0000	0124.8	048.7	048.9	000.2800	0074.6	003.7	79.6
276.0	050.0000	0124.7	048.7	041.3	000.2800	0071.0	004.4	76.4
277.0	050.0000	0124.6	048.6	035.9	000.2800	0068.9	005.1	73.6
278.0	050.0000	0124.7	048.7	031.8	000.2800	0064.4	005.8	70.5
279.0	050.0000	0124.4	048.6	029.2	000.2800	0061.5	006.6	67.8
280.0	050.0000	0123.6	048.5	027.8	000.2800	0061.3	007.5	65.7
281.0	050.0000	0122.6	048.4	026.9	000.2800	0061.5	008.3	64.0
282.0	050.0000	0122.0	048.3	026.0	000.2800	0062.1	009.2	62.6
283.0	050.0000	0121.6	048.2	025.2	000.2800	0063.0	010.0	61.2
284.0	050.0000	0121.5	048.2	024.4	000.2800	0064.2	010.8	59.9
285.0	050.0000	0121.6	048.2	023.6	000.2800	0064.2	011.6	58.6
286.0	050.0000	0122.3	048.3	022.6	000.2800	0065.4	012.5	57.5
287.0	050.0000	0123.7	048.5	021.3	000.2800	0067.7	013.3	56.6
288.0	050.0000	0125.8	048.8	019.9	000.2800	0068.8	014.1	55.6
289.0	050.0000	0128.6	049.2	018.3	000.2800	0071.7	015.0	54.9
290.0	050.0000	0131.2	049.6	017.0	000.2800	0073.2	015.8	54.6
291.0	050.0000	0133.5	049.9	016.0	000.2800	0074.5	016.7	53.9
292.0	050.0000	0135.1	050.1	015.6	000.2800	0074.5	017.6	53.2
293.0	050.0000	0136.3	050.3	015.4	000.2800	0075.7	018.5	52.6

NEW FM APPLICATION
FAMILY LIFE EDUCATIONAL FOUNDATION
NEW FM RADIO STATION
CH 215A - 90.9 MHZ - 0.28 KW (DA)
MINDEN, LOUISIANA
October 2007

EXHIBIT A7

New FM - Proposed
Channel = 215A
Max ERP = 0.28 kW
RCAMSL = 153.9 M
N. Lat = 32 31 55.0
W. Lng = 93 16 12.0

KLSA - BLED-19861224KB
Channel = 214C
Max ERP = 100 kW
RCAMSL = 428 M
N. Lat = 31 33 56
W. Lng = 92 32 50

Protected
60 dBu

Interfering
54 dBu

30 Second Terrain Database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
120.0	000.0878	0087.2	009.3	329.9	100.0000	0382.2	118.9	53.3
121.0	000.0862	0086.8	009.3	329.8	100.0000	0382.2	118.8	53.4
122.0	000.0847	0086.5	009.2	329.7	100.0000	0382.2	118.8	53.4
123.0	000.0832	0086.1	009.2	329.6	100.0000	0382.2	118.8	53.4
124.0	000.0816	0085.6	009.1	329.5	100.0000	0382.2	118.8	53.4
125.0	000.0801	0085.0	009.0	329.5	100.0000	0382.7	118.8	53.4
126.0	000.0787	0084.2	008.9	329.4	100.0000	0382.7	118.8	53.4
127.0	000.0772	0083.4	008.8	329.3	100.0000	0382.7	118.8	53.4
128.0	000.0757	0082.6	008.7	329.2	100.0000	0382.7	118.9	53.4
129.0	000.0743	0081.8	008.7	329.1	100.0000	0382.7	118.9	53.3
130.0	000.0728	0081.3	008.6	329.0	100.0000	0382.7	118.9	53.3
131.0	000.0717	0080.9	008.5	329.0	100.0000	0382.7	118.9	53.3
132.0	000.0706	0080.7	008.5	328.9	100.0000	0382.7	118.9	53.3
133.0	000.0694	0080.3	008.4	328.8	100.0000	0382.7	118.9	53.3
134.0	000.0683	0080.1	008.4	328.7	100.0000	0382.7	118.9	53.3
135.0	000.0672	0080.3	008.3	328.7	100.0000	0382.7	118.9	53.3
136.0	000.0661	0080.6	008.3	328.6	100.0000	0382.7	118.9	53.3
137.0	000.0651	0080.8	008.3	328.5	100.0000	0382.7	118.9	53.3
138.0	000.0640	0080.9	008.3	328.5	100.0000	0383.1	118.9	53.4
139.0	000.0629	0080.8	008.2	328.4	100.0000	0383.1	118.9	53.3
140.0	000.0619	0080.6	008.2	328.3	100.0000	0383.1	119.0	53.3
141.0	000.0616	0080.1	008.1	328.2	100.0000	0383.1	119.0	53.3
142.0	000.0613	0079.4	008.1	328.2	100.0000	0383.1	119.0	53.3
143.0	000.0611	0079.0	008.1	328.1	100.0000	0383.1	119.0	53.3
144.0	000.0608	0079.3	008.1	328.0	100.0000	0383.1	119.0	53.3
145.0	000.0605	0079.8	008.1	328.0	100.0000	0383.1	119.0	53.3
146.0	000.0603	0080.2	008.1	327.9	100.0000	0383.1	119.0	53.3
147.0	000.0600	0080.2	008.1	327.8	100.0000	0383.1	119.0	53.3
148.0	000.0598	0080.0	008.1	327.8	100.0000	0383.1	119.0	53.3
149.0	000.0595	0080.1	008.1	327.7	100.0000	0383.1	119.0	53.3
150.0	000.0592	0080.4	008.1	327.6	100.0000	0383.1	119.0	53.3
151.0	000.0590	0080.9	008.1	327.6	100.0000	0383.1	119.0	53.3
152.0	000.0587	0081.5	008.1	327.5	100.0000	0383.7	119.0	53.4
153.0	000.0585	0082.0	008.1	327.4	100.0000	0383.7	119.0	53.4
154.0	000.0582	0082.2	008.1	327.4	100.0000	0383.7	119.0	53.4
155.0	000.0580	0082.1	008.1	327.3	100.0000	0383.7	119.0	53.3
156.0	000.0577	0081.8	008.1	327.2	100.0000	0383.7	119.1	53.3
157.0	000.0575	0081.4	008.1	327.2	100.0000	0383.7	119.1	53.3
158.0	000.0572	0081.1	008.0	327.1	100.0000	0383.7	119.2	53.3
159.0	000.0570	0081.1	008.0	327.0	100.0000	0383.7	119.2	53.3
160.0	000.0567	0081.4	008.0	327.0	100.0000	0383.7	119.2	53.3

NEW FM APPLICATION
FAMILY LIFE EDUCATIONAL FOUNDATION
NEW FM RADIO STATION
CH 215A - 90.9 MHZ - 0.28 KW (DA)
MINDEN, LOUISIANA
October 2007

EXHIBIT A8

KLSA - BLED-19861224KB
Channel = 214C
Max ERP = 100 kW
RCAMSL = 428 M
N. Lat = 31 33 56
W. Lng = 92 32 50

New FM - Proposed
Channel = 215A
Max ERP = 0.28 kW
RCAMSL = 153.9 M
N. Lat = 32 31 55.0
W. Lng = 93 16 12.0

Protected
60 dBu

Interfering
54 dBu

30 Second Terrain Database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
308.0	100.0000	0391.0	079.1	174.4	000.0542	0081.9	058.8	26.6
309.0	100.0000	0391.0	079.1	173.4	000.0542	0081.8	057.8	26.9
310.0	100.0000	0391.0	079.1	172.4	000.0542	0081.9	056.8	27.3
311.0	100.0000	0390.9	079.1	171.4	000.0542	0082.1	055.9	27.6
312.0	100.0000	0390.8	079.1	170.3	000.0542	0082.4	055.0	27.9
313.0	100.0000	0390.5	079.1	169.1	000.0544	0082.8	054.2	28.3
314.0	100.0000	0390.0	079.0	167.9	000.0547	0083.0	053.5	28.6
315.0	100.0000	0389.4	079.0	166.6	000.0550	0082.9	052.8	28.8
316.0	100.0000	0388.7	078.9	165.3	000.0554	0081.7	052.1	29.0
317.0	100.0000	0388.0	078.9	163.9	000.0557	0080.9	051.5	29.2
318.0	100.0000	0387.4	078.8	162.5	000.0561	0080.8	050.9	29.4
319.0	100.0000	0386.9	078.8	161.1	000.0564	0081.3	050.4	29.7
320.0	100.0000	0386.7	078.8	159.6	000.0568	0081.4	050.0	29.8
321.0	100.0000	0386.5	078.8	158.1	000.0572	0081.1	049.5	30.0
322.0	100.0000	0386.2	078.7	156.6	000.0576	0081.4	049.2	30.2
323.0	100.0000	0385.9	078.7	155.0	000.0580	0082.1	048.9	30.4
324.0	100.0000	0385.5	078.7	153.4	000.0584	0082.0	048.7	30.5
325.0	100.0000	0385.0	078.6	151.8	000.0588	0081.5	048.5	30.5
326.0	100.0000	0384.3	078.6	150.2	000.0592	0080.4	048.4	30.5
327.0	100.0000	0383.7	078.6	148.6	000.0596	0080.1	048.4	30.5
328.0	100.0000	0383.1	078.5	147.0	000.0600	0080.2	048.4	30.5
329.0	100.0000	0382.7	078.5	145.4	000.0605	0079.8	048.5	30.5
330.0	100.0000	0382.2	078.4	143.8	000.0609	0079.3	048.7	30.4
331.0	100.0000	0381.7	078.4	142.2	000.0613	0079.4	048.9	30.4
332.0	100.0000	0381.1	078.4	140.6	000.0617	0080.1	049.2	30.4
333.0	100.0000	0380.5	078.3	139.1	000.0628	0080.8	049.5	30.4
334.0	100.0000	0379.9	078.3	137.6	000.0645	0080.9	049.9	30.4
335.0	100.0000	0379.3	078.2	136.1	000.0660	0080.6	050.4	30.3
336.0	100.0000	0378.7	078.2	134.6	000.0676	0080.3	050.9	30.2
337.0	100.0000	0377.8	078.1	133.3	000.0691	0080.3	051.5	30.1
338.0	100.0000	0376.8	078.1	131.9	000.0706	0080.7	052.1	30.0
339.0	100.0000	0375.9	078.0	130.6	000.0721	0080.9	052.8	29.8
340.0	100.0000	0375.0	077.9	129.4	000.0737	0081.8	053.5	29.8
341.0	100.0000	0374.2	077.9	128.2	000.0754	0082.6	054.3	29.6
342.0	100.0000	0373.3	077.8	127.0	000.0771	0083.4	055.1	29.5
343.0	100.0000	0372.3	077.7	125.9	000.0787	0084.2	055.9	29.4
344.0	100.0000	0371.3	077.6	124.9	000.0803	0085.0	056.8	29.2
345.0	100.0000	0370.2	077.6	123.9	000.0818	0085.6	057.8	29.0
346.0	100.0000	0369.0	077.5	123.0	000.0832	0086.1	058.7	28.8
347.0	100.0000	0367.9	077.4	122.1	000.0846	0086.5	059.7	28.5
348.0	100.0000	0366.8	077.3	121.2	000.0859	0086.8	060.8	28.3

NEW FM APPLICATION
FAMILY LIFE EDUCATIONAL FOUNDATION
NEW FM RADIO STATION
CH 215A - 90.9 MHZ - 0.28 KW (DA)
MINDEN, LOUISIANA
October 2007

EXHIBIT A9

Predicted Contour:

N. Lat. = 32 31 55.0 - Tabulated Protected and Interfering Contour Data
W. Lng. = 93 16 12.0 - New FM Station - Minden, Louisiana

HAAT and Distance to Contour - FCC Method - NGDC 30 Second terrain database

Azi.	HAAT	ERP kW	dBk	Field	60-F5	40-F1	54-F1	100-F1
000	79.8	0.2800	-5.53	1.000	11.87	40.81	17.33	1.17
010	76.1	0.2800	-5.53	1.000	11.62	39.86	16.86	1.17
020	68.8	0.2800	-5.53	1.000	11.11	37.88	15.89	1.17
030	62.1	0.2800	-5.53	1.000	10.62	35.97	14.78	1.17
040	70.5	0.2800	-5.53	1.000	11.23	38.36	16.12	1.17
050	76.0	0.2800	-5.53	1.000	11.61	39.84	16.84	1.17
060	79.2	0.2800	-5.53	1.000	11.84	40.67	17.26	1.17
070	78.9	0.2689	-5.70	0.980	11.70	40.15	17.01	1.15
080	84.2	0.2319	-6.35	0.910	11.64	39.90	16.93	1.07
090	84.8	0.1929	-7.15	0.830	11.18	38.12	16.06	0.97
100	87.0	0.1533	-8.14	0.740	10.70	36.31	15.17	0.87
110	89.6	0.1147	-9.40	0.640	10.12	34.09	14.13	0.75
120	87.2	0.0878	-10.56	0.560	9.34	31.11	13.05	0.66
130	81.3	0.0728	-11.38	0.510	8.58	28.49	12.07	0.60
140	80.6	0.0619	-12.09	0.470	8.17	27.23	11.57	0.55
150	80.4	0.0592	-12.27	0.460	8.06	26.90	11.44	0.54
160	81.4	0.0567	-12.46	0.450	8.02	26.78	11.38	0.53
170	82.4	0.0542	-12.66	0.440	7.98	26.66	11.33	0.52
180	81.5	0.0542	-12.66	0.440	7.93	26.50	11.27	0.52
190	87.7	0.0567	-12.46	0.450	8.36	27.86	11.79	0.53
200	94.7	0.0672	-11.72	0.490	9.11	30.37	12.74	0.58
210	106.5	0.0847	-10.72	0.550	10.21	34.57	14.31	0.65
220	105.2	0.1183	-9.27	0.650	11.00	37.52	15.82	0.76
230	102.9	0.1575	-8.03	0.750	11.66	39.92	17.06	0.88
240	101.8	0.1976	-7.04	0.840	12.26	42.07	18.14	0.99
250	104.1	0.2319	-6.35	0.910	12.88	44.23	19.25	1.07
260	101.9	0.2689	-5.70	0.980	13.22	45.41	19.80	1.15
270	102.2	0.2800	-5.53	1.000	13.37	45.93	20.06	1.17
280	99.6	0.2800	-5.53	1.000	13.20	45.40	19.76	1.17
290	98.9	0.2800	-5.53	1.000	13.15	45.26	19.68	1.17
300	98.9	0.2800	-5.53	1.000	13.15	45.25	19.67	1.17
310	98.5	0.2800	-5.53	1.000	13.13	45.17	19.63	1.17
320	103.6	0.2800	-5.53	1.000	13.46	46.19	20.21	1.17
330	104.5	0.2800	-5.53	1.000	13.52	46.37	20.31	1.17
340	90.7	0.2800	-5.53	1.000	12.61	43.47	18.70	1.17
350	87.3	0.2800	-5.53	1.000	12.38	42.66	18.28	1.17

AMSL= 153.9