

MINOR CHANGE APPLICATION
FAMILY LIFE EDUCATIONAL FOUNDATION
K212FX FM TRANSLATOR STATION
CH 214D - 90.7 MHZ - 0.250 KW
SHREVEPORT, LOUISIANA
December 2011

EXHIBIT B

As indicated on Exhibit B1, the proposed operation of K212FX on Channel 214D with an effective radiated power of 0.250 kilowatt at 75.4 meters (247.3 feet) above ground level will not cause interference to any existing, applied for or proposed facility. However, the proposed K212FX site is inside the 60 dBu contour of third adjacent station KSCL, Channel 217A, Shreveport, Louisiana. Due to the relationship between K212FX on Channel 214D and KSCL, a 40 dB ratio of the protected and interfering contours applies. As the site for K212FX on Channel 214D is inside the protected contour of KSCL, we have applied the 40 dB ratio to the contour of the station, based on its respective protected contour at the K212FX site.

We have calculated that the KSCL contour at the proposed K212FX site is 84.2 dBu (50/50). Exhibit B2 is a map of the contour of KSCL at the proposed translator. As such, the interfering contour with respect to KSCL is 124.2 dBu (50/10). The 124.2 dBu contour of the proposed K212FX translator on Channel 214D extends 0.07 kilometer (227 feet) from the antenna. The proposed/licensed K212FX antenna is installed at 75.4 meters (247.3 feet) above ground level, as such the interference area never reaches ground. Further, there are no multi-story buildings or elevated roadways that would penetrate into the interference zone. Therefore,

as the interfering contour does not reach the ground, the proposed K212FX translator on Channel 214D will not impact reception of service from KSCL. Thus, the interference is considered to be over an unpopulated area. As such, it is believed that the proposed K212FX facility is in compliance with §74.1204(d) of the Commission's rules. If a waiver of the rule is needed, one is respectfully requested.

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EXHIBIT B1

Interference Review for K212FX Shreveport, Louisiana on Channel 214D
Using Licensed/Proposed Site as Reference

REFERENCE		CH# 214D - 90.7 MHz, Pwr= 0.25 kW, HAAT= 0.0 M, COR= 155 M							DISPLAY DATES		
32 29 57.0 N.		Average Protected F(50-50)= 7.1 km							DATA 12-19-11		
93 45 03.0 W.		Omni-directional							SEARCH 12-19-11		
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*
212D Shreveport, Etc.	K212FX	LIC	C LA	0.0 0.0	0.0 BLFT20111110AKR	32 29 57.0 93 45 03.0	0.250	1.1 155	13.4 Family Life Educational Fo	-14.5*	-14.5*
217A Shreveport	KSCL	LIC	DCX LA	137.2 317.3	2.8 BLED20071120AEN	32 28 51.4 93 43 51.1	2.600 56	1.4 111	11.1 Centenary College Of Louis	-12.2*<	-9.5*<
214C Alexandria	KLSA	LIC	CN LA	132.1 312.8	153.8 BLED19861224KB	31 33 56.0 92 32 50.0	100.000 379	182.0 428	79.1 Bd Supervisors, Louisiana	-41.8*<	28.5
214C2 Big Sandy	KTAA	CP	DCX TX	278.0 97.4	108.5 BMPED20100128AHW	32 37 49.0 94 53 43.0	46.000 157	136.0 265	51.6 Community Broadcasting, In	-40.7*<	11.7
214C3 Big Sandy	KTAA	LIC	VN TX	278.1 97.4	108.5 BLED19951108KA	32 37 50.0 94 53 44.0	5.800 157	93.9 265	33.9 Community Broadcasting, In	1.4	29.4
06 T Ely	KXTY-LP	AP	N NV	260.6 79.9	138.3 BMAPTVL20091020ACA	32 17 20.0 95 11 57.0	1.000 179	13.5 288	84.1 Hispanic Christian Communi	0.0R	138.3M
215A Minden	NEW	CP	DCX LA	85.2 265.5	45.3 BNPED20071015AFG	32 31 55.0 93 16 12.0	0.280 88	19.9 154	13.3 Family Life Educational Fo	12.2	12.2
213C1 Nashville	KNLL	LIC	DVX AR	8.1 188.2	112.7 BLED20080122APO	33 30 17.0 93 34 47.0	100.000 147	82.8 240	55.2 American Family Associatio	16.5	37.3
213C3 Logansport	NEW	CP	VX LA	205.9 25.7	78.9 BNPED20071012ABS	31 51 32.0 94 06 57.0	11.500 84	48.1 159	30.6 Community Impact Foundatio	18.3	29.9
216D Minden	K216EX	LIC	C LA	72.9 253.1	46.6 BLFT20000323ACC	32 37 17.0 93 16 35.0	0.038 49	0.4 119	6.3 Family Worship Center Chur	33.0	39.2
215C1 Lufkin	KSWP	LIC	DCN TX	214.1 33.7	151.2 BLED19980219KA	31 22 08.0 94 38 45.0	100.000 246	101.1 326	69.0 Lufkin Educational Broadca	37.7	63.8
214D Grambling	K214CE	LIC	CN LA	88.6 269.2	96.5 BLFT19960329TA	32 30 56.0 92 43 27.0	0.105 71	23.9 149	7.1 Bd Supervisors, Louisiana	59.3	43.8
216A Marshall	KBWC	LIC	CN TX	274.2 93.9	58.8 BLED19820920AB	32 32 12.0 94 22 29.0	0.135 34	0.8 136	6.1 Wiley College	44.8	51.6

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.

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.

< = Contour Overlap

Graham Brock, Inc. - Broadcast Technical Consultants

K212FX Proposed
BLFT-20111110AKR
Latitude: 32-29-57 N
Longitude: 093-45-03 W
ERP: 0.25 kW
Channel: 214D
Frequency: 90.7 MHz
AMSL Height: 155.0 m
Horiz. Pattern: Omni
Prop Model : FCC

KSCL
BLED-20071120AEN
Latitude: 32-28-51.40 N
Longitude: 093-43-51.10 W
ERP: 2.60 kW
Channel: 217A
Frequency: 91.3 MHz
AMSL Height: 111.0 m
Horiz. Pattern: Directional
Prop Model : FCC

Proposed K212FX Site

Shreveport

ossier City

K212FX

KSCL

KSCL 84.2 dBu (50/50)

EXHIBIT B2
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Scale 1:75,000

0 1 2 3 km

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EXHIBIT B3

Predicted contour:

N. Lat. = 32 29 57.0 - Tabulated Protected and Interfering Contour Data
W. Lng. = 93 45 03.0 - K212FX FM Translator - Shreveport, Louisiana

HAAT and Distance to Contour - NGDC 30 Second terrain database									
Azi.	HAAT	ERP kW	dBk	Field	60-F5	40-F1	54-F1	100-F1	124.2-F1
000	109.3	0.2500	-6.02	1.000	13.44	45.99	20.20	1.11	0.07
010	108.0	0.2500	-6.02	1.000	13.36	45.77	20.07	1.11	0.07
020	107.3	0.2500	-6.02	1.000	13.32	45.63	19.99	1.11	0.07
030	106.5	0.2500	-6.02	1.000	13.27	45.48	19.91	1.11	0.07
040	106.0	0.2500	-6.02	1.000	13.24	45.40	19.85	1.11	0.07
050	106.1	0.2500	-6.02	1.000	13.25	45.42	19.87	1.11	0.07
060	104.3	0.2500	-6.02	1.000	13.13	45.07	19.67	1.11	0.07
070	104.5	0.2500	-6.02	1.000	13.14	45.11	19.69	1.11	0.07
080	105.6	0.2500	-6.02	1.000	13.21	45.32	19.81	1.11	0.07
090	107.3	0.2500	-6.02	1.000	13.32	45.64	20.00	1.11	0.07
100	107.4	0.2500	-6.02	1.000	13.32	45.65	20.00	1.11	0.07
110	108.8	0.2500	-6.02	1.000	13.41	45.90	20.15	1.11	0.07
120	109.3	0.2500	-6.02	1.000	13.44	45.99	20.20	1.11	0.07
130	110.6	0.2500	-6.02	1.000	13.52	46.22	20.34	1.11	0.07
140	110.6	0.2500	-6.02	1.000	13.51	46.21	20.33	1.11	0.07
150	109.3	0.2500	-6.02	1.000	13.44	45.99	20.20	1.11	0.07
160	105.5	0.2500	-6.02	1.000	13.21	45.30	19.80	1.11	0.07
170	97.7	0.2500	-6.02	1.000	12.72	43.75	18.93	1.11	0.07
180	97.2	0.2500	-6.02	1.000	12.69	43.66	18.88	1.11	0.07
190	99.8	0.2500	-6.02	1.000	12.85	44.18	19.17	1.11	0.07
200	96.6	0.2500	-6.02	1.000	12.65	43.52	18.80	1.11	0.07
210	92.5	0.2500	-6.02	1.000	12.39	42.63	18.32	1.11	0.07
220	92.5	0.2500	-6.02	1.000	12.39	42.63	18.32	1.11	0.07
230	86.7	0.2500	-6.02	1.000	12.01	41.30	17.62	1.11	0.07
240	83.9	0.2500	-6.02	1.000	11.83	40.62	17.28	1.11	0.07
250	89.0	0.2500	-6.02	1.000	12.16	41.82	17.90	1.11	0.07
260	94.7	0.2500	-6.02	1.000	12.53	43.12	18.58	1.11	0.07
270	101.7	0.2500	-6.02	1.000	12.97	44.58	19.39	1.11	0.07
280	104.5	0.2500	-6.02	1.000	13.15	45.12	19.70	1.11	0.07
290	102.4	0.2500	-6.02	1.000	13.01	44.71	19.46	1.11	0.07
300	101.0	0.2500	-6.02	1.000	12.93	44.44	19.31	1.11	0.07
310	91.6	0.2500	-6.02	1.000	12.33	42.42	18.21	1.11	0.07
320	99.8	0.2500	-6.02	1.000	12.85	44.19	19.17	1.11	0.07
330	103.2	0.2500	-6.02	1.000	13.06	44.87	19.55	1.11	0.07
340	104.7	0.2500	-6.02	1.000	13.15	45.15	19.71	1.11	0.07
350	108.3	0.2500	-6.02	1.000	13.38	45.81	20.09	1.11	0.07

AMSL= 155 M