

MINOR CHANGE APPLICATION
JLE, INCORPORATED
NEW FM TRANSLATOR STATION
CH 284D - 104.7 MHZ - 0.25 KW
HOUMA, LOUISIANA
December 2017

EXHIBIT B

Interference Study for New FM Translator
Using Licensed/Proposed Site as Reference

The proposed new FM translator on Channel 284D, operating with an effective radiated power of 0.250 kilowatt, will not cause interference to any existing, applied for or proposed facility. As noted on Exhibit B1, the proposed new translator is within the predicted 60 dBu contour of second adjacent station KVDU, Channel 281C, Houma, Louisiana. Due to the relationship between the proposed new translator and KVDU, a 40 db ratio of the protected and interfering contours applies.

The KVDU contour at the new translator's antenna site is in excess of 93.4 dBu (50/50). The corresponding interfering contour for the new translator is 133.4 dBu (50/10) (Exhibit B2). As shown in the tabulation of desired to undesired contours (Exhibit B3), the new translator's interfering contour (133.4 dBu, FCC 50/10) will not reach ground level. Since the new translator's antenna will be mounted 115.8 meters (379.9 feet) above ground and there are no structures of comparable height in the vicinity of the proposed new translator antenna, this contour never reaches any potentially occupied space. As such, KVDU will not receive interference from the proposed translator.

Based on the foregoing, it is believed that the proposed new FM translator is in compliance with §74.1204(d) of the Commission's rules. If a waiver of the rule is needed to address KVDU, one is respectfully requested.

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EXHIBIT B1

Clearance Study for New Translator
Using Proposed Site as Reference

REFERENCE CH# 284D - 104.7 MHz, Pwr= 0.25 kW, HAAT= 117.3 M, COR= 117.3 M DISPLAY DATES
 29 43 48.0 N. Average Protected F(50-50)= 13.9 km DATA 07-05-17
 90 43 37.0 W. Omni-directional SEARCH 07-05-17

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*
281C Houma	KVDU	LIC	CN LA	0.7 180.7	24.86 BLH19880224KB	29 57 13.0 90 43 25.0	100.000 593	13.6 594	91.6 Clear Channel Broadcasting	-2.7	-67.8*
285A Donaldsonville	KNXX	LIC	CX LA	326.2 146.1	50.01 BLH20141014AAL	30 06 13.0 91 00 58.0	3.800 127	43.3 127	28.3 Guaranty Broadcasting Comp	-7.2	0.7
283C2 Empire	KWMZ-FM	LIC	NC LA	101.9 282.3	88.69 BLH20150130AAW	29 33 45.0 89 49 46.0	13.500 250	72.9 250	49.4 M.a.c. Broadcasting, Llc	1.9	18.4
287C1 Kenner	WWL-FM	LIC	CX LA	69.2 249.6	79.77 BMLH20090514AAR	29 58 57.0 89 57 09.0	96.000 306	10.1 306	72.3 Entercom New Orleans Licen	55.8	6.4
284A Folsom	WJSH	LIC	ZCN LA	30.7 211.0	121.13 BLH19960229KA	30 39 55.0 90 04 49.0	6.000 100	89.0 136	30.1 Charles W. Dowdy, Debtor-i	18.3	43.8
285D Metairie	K285FF	LIC	C LA	72.5 252.8	70.97 BLFT20170201ACY	29 55 12.4 90 01 28.2	0.250	33.7 300	22.6 University Of New Orleans	23.4	27.4
284C3 Washington	KNEK-FM	LIC	CN LA	300.3 119.6	153.99 BLH19960223KB	30 25 17.0 92 06 50.0	25.000 100	114.2 113	39.6 Radio License Holding Cbc,	25.9	67.1

Terrain database is FCC NGDC 30 Sec, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM

In & Out distances between contours are shown at closest points. Reference Zone= East Zone, Co to 3rd adjacent.

All separation margins (if shown) include rounding.

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.

Reference station has protected zone issue: AM tower

New FM Translator, Houma, LA - Proposed
Latitude: 29-43-48 N / Longitude: 090-43-37 W
ERP: 0.25 kW / Channel: 284 / Freq: 104.7 MHz
AMSL Height: 117.3 m / Elevation: 1.5 m
Horiz. Pattern: Omni

KVDU, Houma, LA
BLH19880224KB
Latitude: 29-57-13 N / Longitude: 090-43-25 W
ERP: 100.00 kW / Channel: 281 / Freq: 104.1 MHz
AMSL Height: 594.0 m / Elevation: 1.0 m
Horiz. Pattern: Omni

GRAHAM BROCK, INC.
BROADCAST TECHNICAL CONSULTANTS

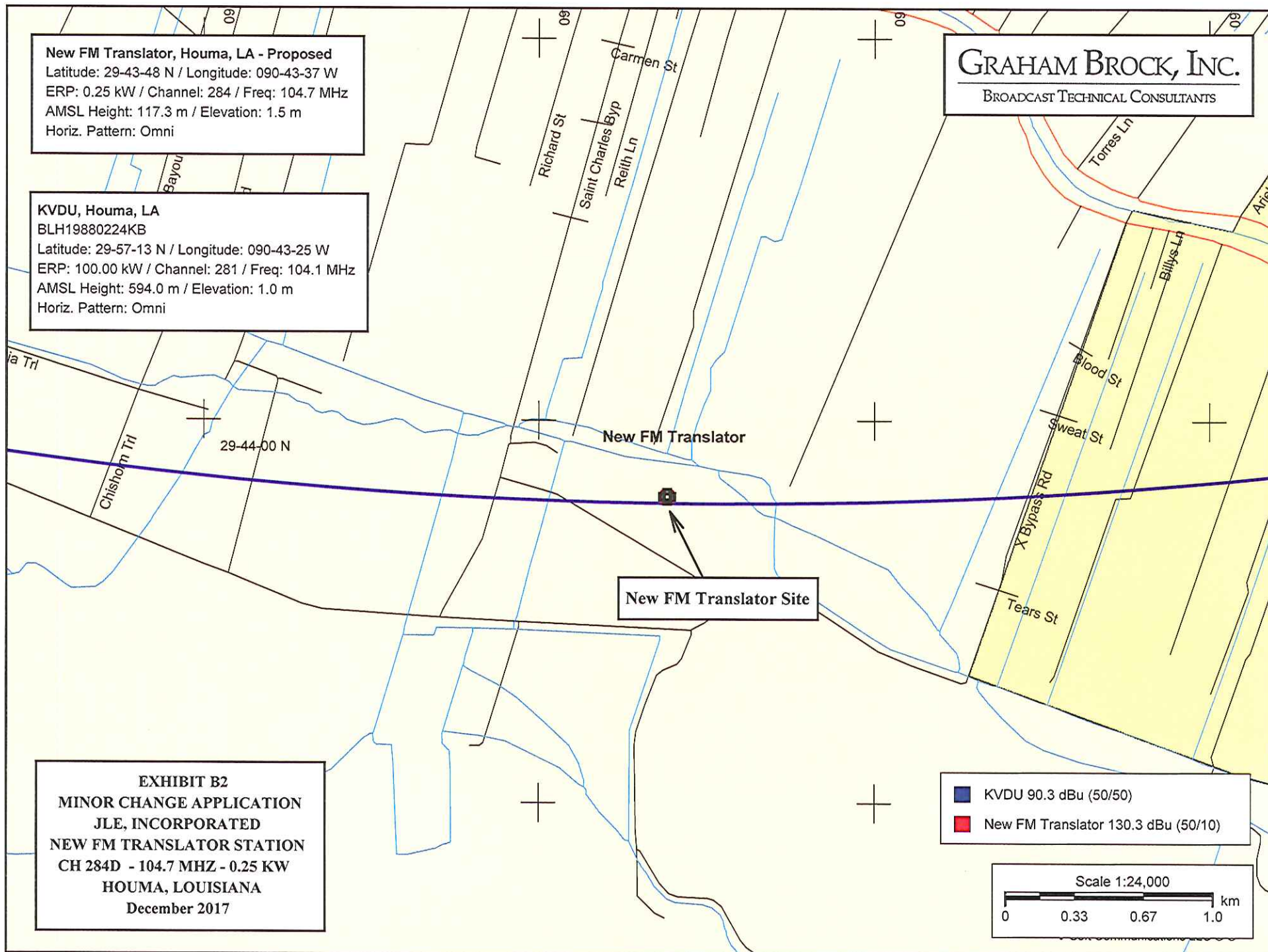


EXHIBIT B2
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KVDU 90.3 dBu (50/50)
New FM Translator 130.3 dBu (50/10)

Scale 1:24,000
0 0.33 0.67 1.0 km

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EXHIBIT B3

New FM Houma, LA
 74.1204(d) Study - Using FCC 30 SEC Terrain Database
 Translator or LPFM Maximum Licensed ERP = 0.25
 Translator or LPFM Antenna Height AG = 40 Meters
 1762818 Antenna Model = SWR FMEC-1

Protected Station's Contour = 90.3 dBu
 Translator's or LPFM's full Interference contour 130.3

Review Azimuth = 0 Degrees True
 Relative Field on the horizon at Review Azimuth = 1.000
 Translator/LPFM ERP on the horizon at Review Azimuth = 0.25 kW
 Distance between stations = 24.9 km
 Protected Station= KVDU, 100 kW, 594 M Meters COR AMSL

Depression Angle From Horizon(Deg)	Vertical Relative Field	Horizontal Relative Field	ERP (kW)	Dist to IX Contour Along Dep. Angle(m)	Dist to IX Contour From Tower Base(m)	Height IX Above Ground (m)
00.00	1.0	1.0	0.2500	033.8821	033.8821	040.000
05.00	0.997	1.0	0.2485	033.7804	033.6519	037.056
10.00	0.986	1.0	0.2430	033.4077	032.9002	034.199
15.00	0.969	1.0	0.2347	032.8317	031.7130	031.503
20.00	0.946	1.0	0.2237	032.0524	030.1194	029.037
25.00	0.916	1.0	0.2098	031.0360	028.1282	026.884
30.00	0.879	1.0	0.1932	029.7823	025.7923	025.109
35.00	0.837	1.0	0.1751	028.3593	023.2306	023.734
40.00	0.789	1.0	0.1556	026.7330	020.4786	022.816
45.00	0.736	1.0	0.1354	024.9372	017.6333	022.367
50.00	0.679	1.0	0.1153	023.0059	014.7879	022.376
55.00	0.616	1.0	0.0949	020.8714	011.9713	022.903
60.00	0.55	1.0	0.0756	018.6351	009.3176	023.861
65.00	0.48	1.0	0.0576	016.2634	006.8732	025.260
70.00	0.408	1.0	0.0416	013.8239	004.7280	027.010
75.00	0.333	1.0	0.0277	011.2827	002.9202	029.102
80.00	0.256	1.0	0.0164	008.6738	001.5062	031.458
85.00	0.178	1.0	0.0079	006.0310	000.5256	033.992
90.00	0.1	1.0	0.0025	003.3882	000.0000	036.612

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EXHIBIT B4

N. Lat. = 29° 45' 48.0" - Protected and Interfering Contour Data
W. Lng. = 90° 43' 37.0" - New FM Translator, Houma, Louisiana

Distance to Contour,
FCC, FM 2-10 Mi, 51 pts Method - FCC 30 SEC

Azi.	AV EL	HAAT	ERP kW	dBk	Field	130.3-F1	100-F1	60-F5	54-F1	40-F1
000	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
010	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
020	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
030	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
040	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
050	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
060	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
070	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
080	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
090	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
100	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
110	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
120	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
130	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
140	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
150	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
160	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
170	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
180	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
190	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
200	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
210	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
220	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
230	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
240	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
250	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
260	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
270	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
280	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
290	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
300	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
310	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
320	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
330	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
340	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30
350	0.0	117.3	0.2500	-6.02	1.000	0.03	1.11	13.91	20.99	47.30

AMSL= 117.3 M