

MINOR CHANGE APPLICATION
JOHN M. DOWDY
W261CU FM TRANSLATOR STATION
CH 261D - 100.1 MHZ - 0.25 KW
POPLARVILLE, MISSISSIPPI
April 2017

EXHIBIT A1

Interference Study for W261cuE
Using Proposed Site as Reference

REFERENCE		CH# 261D - 100.1 MHZ, Pwr= 0.25 kW, HAAT= 122.2 M, COR= 135 M								DISPLAY DATES	
30 27 32.3 N.		Average Protected F(50-50)= 14.2 km								DATA 04-01-17	
89 04 44.7 W.		Omni-directional								SEARCH 04-01-17	
CH CITY	CALL	TYPE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap	*OUT* in km)
261D Poplarville	W261CU!	LIC	C MS	120.0 300.0	6.60 BLFT20160901AAY	30 25 45.3 89 01 09.9	0.250	30.4 66	9.2 John M. Dowdy	-38.4	-51.6
260C Mobile	WMXC	LIC	C AL	77.6 258.2	122.24 BMLH20130123AEM	30 41 20.0 87 49 49.0	100.000 535	134.3 569	90.0 Cc Licenses, Llc	-26.4*	10.5
262C0 Laurel	WNSL	LIC	CX MS	357.4 177.4	118.85 BMLH20060918AHV	31 31 37.0 89 08 07.0	100.000 324	107.9 394	74.3 Cc Licenses, Llc	-2.8	23.8
261L1 Picayune	WAON-LP	LIC	C MS	277.5 97.2	55.81 BLL20160421AAH	30 31 23.0 89 39 25.0	0.100 5	27	Heritage Baptist Ministrie	23.2	2.7
261L1 Picayune	WAON-LP	CP	C MS	283.1 102.8	62.27 BPL20160914ABD	30 35 05.4 89 42 45.6	0.100 26	50	Heritage Baptist Ministrie	29.8	9.5
258C0 New Orleans	WRNO-FM	LIC	CX LA	238.0 57.5	99.23 BMLH20090406AGA	29 58 57.0 89 57 09.0	100.000 306	10.2 306	72.8 Clear Channel Broadcasting	74.5	25.3
264C Pensacola	WJTQ	LIC	C FL	82.5 263.3	138.35 BLH20050627AAV	30 36 45.0 87 38 43.0	100.000 521	12.7 553	87.6 Cumulus Licensing Llc	111.1	49.6

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. Call signs with exclamation marks need not be protected.

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.

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EXHIBIT A2

N. Lat. = 30 27 32.3 - Predicted Protected and Interfering Contours
W. Lng. = 89 04 44.7 - W261CU FM Translator, Poplarville, Mississippi

HAAT and Distance to Contour - FCC 30 second terrain database

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5	40-F1	54-F1	100-F1
000	20.4	114.6	0.2500	-6.02	1.000	13.76	46.89	20.74	1.11
010	27.7	107.3	0.2500	-6.02	1.000	13.32	45.64	19.99	1.11
020	25.2	109.8	0.2500	-6.02	1.000	13.47	46.08	20.25	1.11
030	21.6	113.4	0.2500	-6.02	1.000	13.69	46.69	20.62	1.11
040	17.7	117.3	0.2500	-6.02	1.000	13.92	47.31	20.99	1.11
050	15.2	119.8	0.2500	-6.02	1.000	14.06	47.67	21.22	1.11
060	15.1	119.9	0.2500	-6.02	1.000	14.06	47.68	21.22	1.11
070	12.3	122.7	0.2500	-6.02	1.000	14.22	48.08	21.47	1.11
080	9.5	125.5	0.2500	-6.02	1.000	14.38	48.47	21.71	1.11
090	3.9	131.1	0.2500	-6.02	1.000	14.71	49.23	22.20	1.11
100	6.9	128.1	0.2500	-6.02	1.000	14.53	48.83	21.94	1.11
110	2.6	132.4	0.2500	-6.02	1.000	14.79	49.42	22.32	1.11
120	5.4	129.6	0.2500	-6.02	1.000	14.62	49.03	22.07	1.11
130	5.7	129.3	0.2500	-6.02	1.000	14.60	48.99	22.04	1.11
140	3.2	131.8	0.2500	-6.02	1.000	14.75	49.33	22.26	1.11
150	2.6	132.4	0.2500	-6.02	1.000	14.79	49.42	22.32	1.11
160	4.0	131.0	0.2500	-6.02	1.000	14.71	49.23	22.19	1.11
170	4.0	131.0	0.2500	-6.02	1.000	14.70	49.22	22.19	1.11
180	3.9	131.1	0.2500	-6.02	1.000	14.71	49.24	22.20	1.11
190	5.0	130.0	0.2500	-6.02	1.000	14.64	49.09	22.10	1.11
200	5.5	129.5	0.2500	-6.02	1.000	14.62	49.02	22.06	1.11
210	8.7	126.3	0.2500	-6.02	1.000	14.42	48.57	21.78	1.11
220	10.0	125.0	0.2500	-6.02	1.000	14.35	48.40	21.67	1.11
230	8.0	127.0	0.2500	-6.02	1.000	14.46	48.67	21.84	1.11
240	8.0	127.0	0.2500	-6.02	1.000	14.47	48.67	21.84	1.11
250	10.1	124.9	0.2500	-6.02	1.000	14.35	48.38	21.66	1.11
260	11.9	123.1	0.2500	-6.02	1.000	14.24	48.13	21.50	1.11
270	13.2	121.8	0.2500	-6.02	1.000	14.17	47.95	21.39	1.11
280	18.7	116.3	0.2500	-6.02	1.000	13.85	47.14	20.89	1.11
290	23.6	111.4	0.2500	-6.02	1.000	13.56	46.35	20.41	1.11
300	29.9	105.1	0.2500	-6.02	1.000	13.18	45.24	19.76	1.11
310	27.3	107.7	0.2500	-6.02	1.000	13.34	45.71	20.03	1.11
320	23.6	111.4	0.2500	-6.02	1.000	13.57	46.36	20.42	1.11
330	20.9	114.1	0.2500	-6.02	1.000	13.73	46.80	20.68	1.11
340	21.1	113.9	0.2500	-6.02	1.000	13.71	46.76	20.66	1.11
350	18.7	116.3	0.2500	-6.02	1.000	13.86	47.15	20.89	1.11

AMSL= 135.0 M