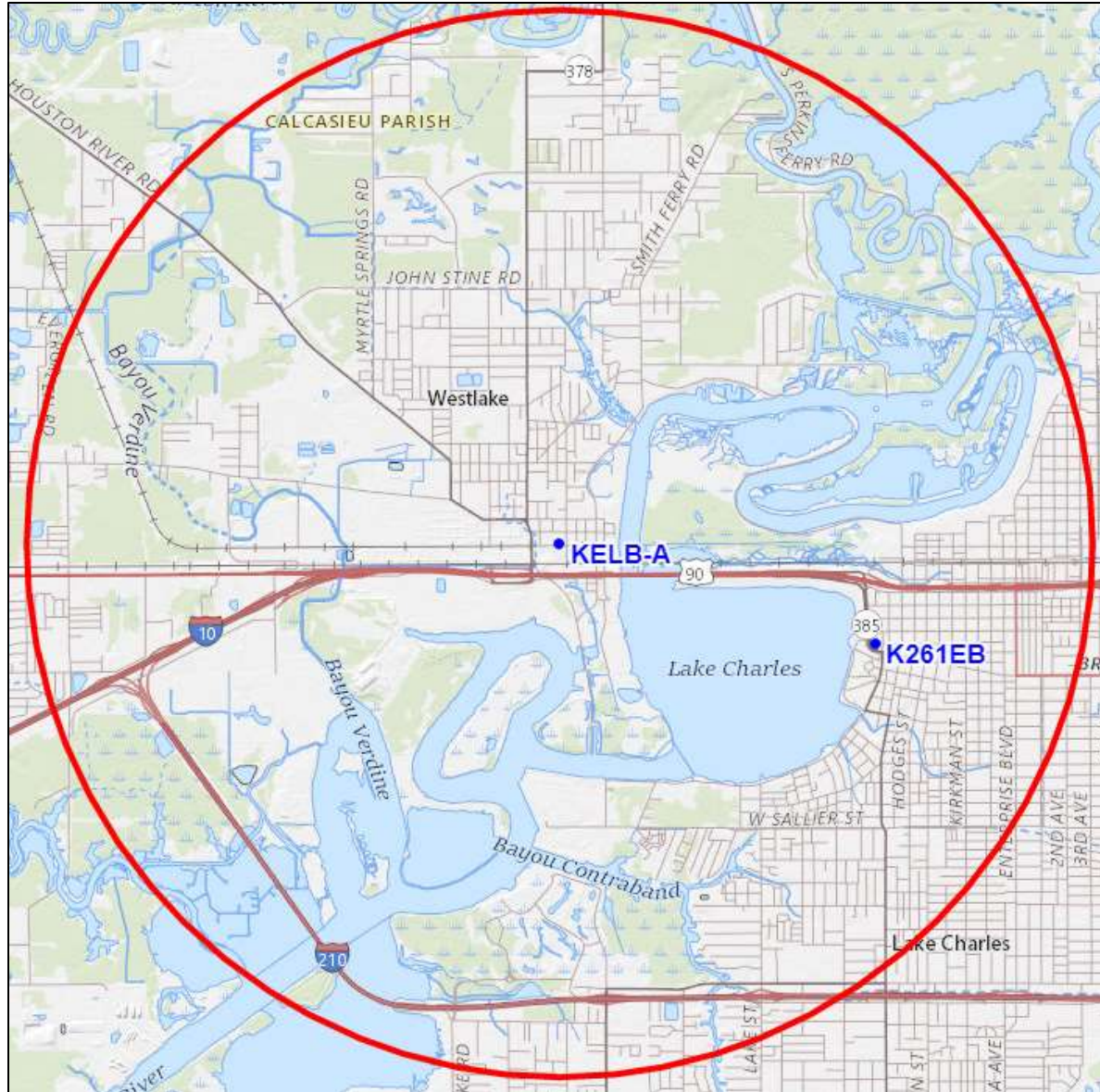




REC Networks/Michelle Bradley, CBT  
11541 Riverton Wharf Rd.  
Mardela Springs, MD 21837  
844.REC.LPFM/202.621.2355  
recnet.com

Construction Permit for KELB-LP  
LAKE CHARLES, LA  
**FIVE POINT RADIO, INC.**  
BLL-20130401ABS

### PROPOSED 60dBu F(50,50) SERVICE CONTOUR



MESA, AZ – Channel 263LP100 (100.5 MHz) ~ ERP 0.100 kW  
Elev: 3 meters ~ RCAGL: 22 meters ~ RCAMSL: 25 meters ~ HAAT: 22 meters  
Overall tower height: 23.9 meters – ASR: Not necessary – no nearby airports.  
NAD83 Latitude: 30° 14' 23.9" NL – Longitude: 93° 15' 16.5" WL  
NAD27 Latitude: 30° 14' 23.2" NL – Longitude: 93° 15' 15.9" WL  
No impacted AM facilities.

Site: KELB-A  
 Coordinates: 30-14-23.2 N, 93-15-15.9 W  
 Freq: 100.50000 MHz  
 ERP: 100.00 W

Bearing	ERP W	HAAT	DH	Distance	Lat	Lon
0	100.00	23	30	5.65	30.290560	-93.254417
5	100.00	23	20	5.65	30.290367	-93.249291
10	100.00	22	30	5.65	30.289788	-93.244204
15	100.00	21	30	5.65	30.288829	-93.239195
20	100.00	21	20	5.65	30.287496	-93.234303
25	100.00	21	20	5.65	30.285800	-93.229563
30	100.00	22	10	5.65	30.283753	-93.225013
35	100.00	22	0	5.65	30.281372	-93.220687
40	100.00	22	0	5.65	30.278674	-93.216618
45	100.00	23	10	5.65	30.275680	-93.212837
50	100.00	24	10	5.65	30.272412	-93.209373
55	100.00	25	10	5.65	30.268897	-93.206252
60	100.00	26	10	5.65	30.265159	-93.203498
65	100.00	26	10	5.65	30.261229	-93.201131
70	100.00	26	10	5.65	30.257135	-93.199171
75	100.00	26	10	5.65	30.252909	-93.197631
80	100.00	26	10	5.65	30.248583	-93.196523
85	100.00	26	10	5.65	30.244191	-93.195857
90	100.00	26	10	5.65	30.239765	-93.195636
95	100.00	26	10	5.65	30.235339	-93.195862
100	100.00	25	10	5.65	30.230947	-93.196534
105	100.00	26	0	5.65	30.226622	-93.197646
110	100.00	25	0	5.65	30.222398	-93.199190
115	100.00	25	0	5.65	30.218305	-93.201154
120	100.00	26	0	5.65	30.214377	-93.203524
125	100.00	25	0	5.65	30.210641	-93.206280
130	100.00	25	0	5.65	30.207128	-93.209403
135	100.00	25	0	5.65	30.203863	-93.212867
140	100.00	25	0	5.65	30.200871	-93.216648
145	100.00	25	0	5.65	30.198175	-93.220715
150	100.00	25	0	5.65	30.195796	-93.225039
155	100.00	26	0	5.65	30.193751	-93.229586
160	100.00	26	0	5.65	30.192056	-93.234322
165	100.00	26	0	5.65	30.190725	-93.239211
170	100.00	26	0	5.65	30.189766	-93.244215
175	100.00	26	0	5.65	30.189188	-93.249296
180	100.00	26	0	5.65	30.188995	-93.254417
185	100.00	26	0	5.65	30.189188	-93.259537
190	100.00	26	0	5.65	30.189766	-93.264619
195	100.00	26	0	5.65	30.190725	-93.269623
200	100.00	26	0	5.65	30.192056	-93.274511
205	100.00	26	0	5.65	30.193751	-93.279247
210	100.00	26	0	5.65	30.195796	-93.283794
215	100.00	26	0	5.65	30.198175	-93.288118
220	100.00	26	0	5.65	30.200871	-93.292186
225	100.00	26	0	5.65	30.203863	-93.295966
230	100.00	26	0	5.65	30.207128	-93.299431
235	100.00	26	0	5.65	30.210641	-93.302553
240	100.00	26	0	5.65	30.214377	-93.305309
245	100.00	26	0	5.65	30.218305	-93.307679
250	100.00	26	0	5.65	30.222398	-93.309643
255	100.00	26	0	5.65	30.226622	-93.311187
260	100.00	26	0	5.65	30.230947	-93.312300
265	100.00	26	10	5.65	30.235339	-93.312971
270	100.00	26	10	5.65	30.239765	-93.313198
275	100.00	26	10	5.65	30.244191	-93.312977
280	100.00	25	10	5.65	30.248583	-93.312310
285	100.00	25	10	5.65	30.252909	-93.311202
290	100.00	25	10	5.65	30.257135	-93.309663
295	100.00	25	10	5.65	30.261229	-93.307702
300	100.00	26	20	5.65	30.265159	-93.305336
305	100.00	25	30	5.65	30.268897	-93.302582
310	100.00	25	20	5.65	30.272412	-93.299461
315	100.00	25	30	5.65	30.275680	-93.295996
320	100.00	24	30	5.65	30.278674	-93.292215
325	100.00	24	20	5.65	30.281372	-93.288146
330	100.00	24	20	5.65	30.283753	-93.283820
335	100.00	25	30	5.65	30.285800	-93.279270
340	100.00	25	30	5.65	30.287496	-93.274531
345	100.00	24	30	5.65	30.288829	-93.269638
350	100.00	24	40	5.65	30.289788	-93.264629
355	100.00	23	30	5.65	30.290367	-93.259542

R E C NETWORKS  
CHANNEL REPORT

NAD27 LATITUDE: 30 - 14' 23.2" - LONGITUDE: 93 - 15' 15.9"  
CHANNEL: 263 - CLASS: LP100

CHAN	FREQ	CALL	LOCATION	CLS	DIST	REQ	CLEAR	BEAR
260	99.9	KTDY : Townsquare Media, Inc.	LAFAYETTE	LA C	142.3	0.0	142.3	91.3
260	99.9	KTEZ : BALDRIDGE-DUMAS COMMUNICATIONS, INC.	ZWOLLE	LA A	158.4	0.0	158.4	352.1
260	99.9	KHIH : WORD OF GOD FELLOWSHIP, INC	LIBERTY	TX C2	126.9	0.0	126.9	259.0
261	100.1	K261FD : G-CAP COMMUNICATIONS, INC.	ORANGE	TX D4	64.6	14.0	50.6	259.4
261	100.1	K261EB : BLACK MEDIA WORKS, INC.	LAKE CHARLES	LA D6	3.5	21.0	-17.5	107.6
262	100.3	KRRV-FM : CENLA BROADCASTING	ALEXANDRIA LICENSING COMPANY, LLC	LA C0	113.7	111.0	2.7	39.0
263	100.5	KELB-LP : FIVE POINT RADIO, INC. > Currently authorized facility.	LAKE CHARLES	LA L1	10.5	24.0	-13.5	179.5
								Minor change distance 10.5 km.
263	100.5	KQBB : CENTER BROADCASTING COMPANY, INC.	CENTER	TX C3	190.6	78.0	112.6	330.1
264	100.7	WTGE : GUARANTY BROADCASTING COMPANY OF BATON ROUGE, LLC	BATON ROUGE	LA C	196.9	120.0	76.9	85.4
264	100.7	KKHT-FM : SALEM MEDIA OF ILLINOIS, LLC	LUMBERTON	TX C	124.4	120.0	4.4	260.5
266	101.1	KBON : ROSE ANN MARX	MAMOU	LA C3	99.2	0.0	99.2	72.9
266	101.1	KLLO : AUDACY LICENSE, LLC	HOUSTON	TX C	229.9	0.0	229.9	251.7
266	101.1	KRMD-FM : CUMULUS LICENSING LLC	OIL CITY	LA C0	278.7	0.0	278.7	346.8

**REQUEST FOR WAIVER OF §73.807**  
**SECOND ADJACENT CHANNEL**

KELB-LP  
Lake Charles, Louisiana  
Channel 263LP100 (100.5 MHz)

Subsequent to the authorization of the currently licensed facility for KELB-LP, a license for second-adjacent channel FM translator K261EB was granted. The required distance to this upper-tier translator is 21 kilometers, thus creating a short-spacing.

The instant application proposes to move KELB-LP to a location closer to K261EB. As the spacing is being decreased, a request for a waiver of the second-adjacent channel distance separation in respect to K261EB is necessary.

K261EB operates 0.25 kW at 109 meters height above average terrain (based on 8 radials) from a location 3.5 kilometers from the proposed site for KELB-LP. K261EB places an 83.2 dBu F(50, 50) service contour at the proposed KELB-LP site.

Using the U/D method<sup>1</sup>, the proposed LPFM station is predicted to produce an undesired interference overlap in respect to K261EB to the proposed LPFM station's 123.2 dB F(50, 10) interfering contour. At 100 watts ERP, the interfering contour extends to 49 meters from the radiation center. As the proposed radiation center is 22 meters, the interference will reach the ground. There is one single-story occupied structure within this 49-meter area.

To address this, KELB-LP proposes operation at 0.1 kW utilizing a Nicom BKG-77 circular polarized antenna with two bays at 0.85 wave spacing. Utilizing the manufacturer's specifications for this antenna, along the -60 degree depression angle, will create an interfering contour of 120.05 dBu at 2 meters above ground level (36.85 dB U/D ratio). Therefore, there would be no interference to K261EB.

Applicant requests a waiver of §73.807 of the Commission's Rules in respect to K261EB, Lake Charles, Louisiana.

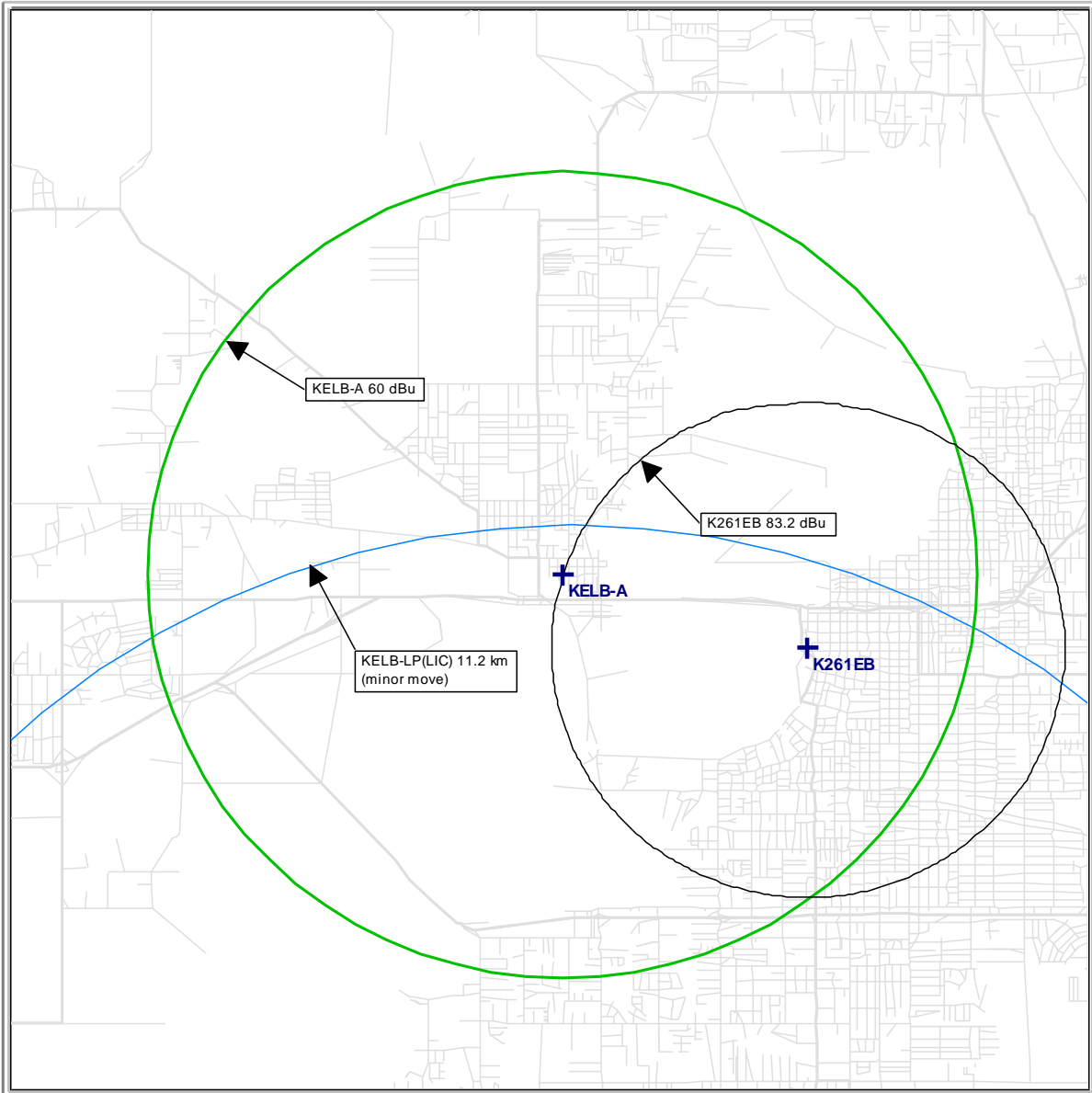
Prepared by  
/S/  
Michelle Bradley, CBT  
REC Networks

April 26, 2021

---

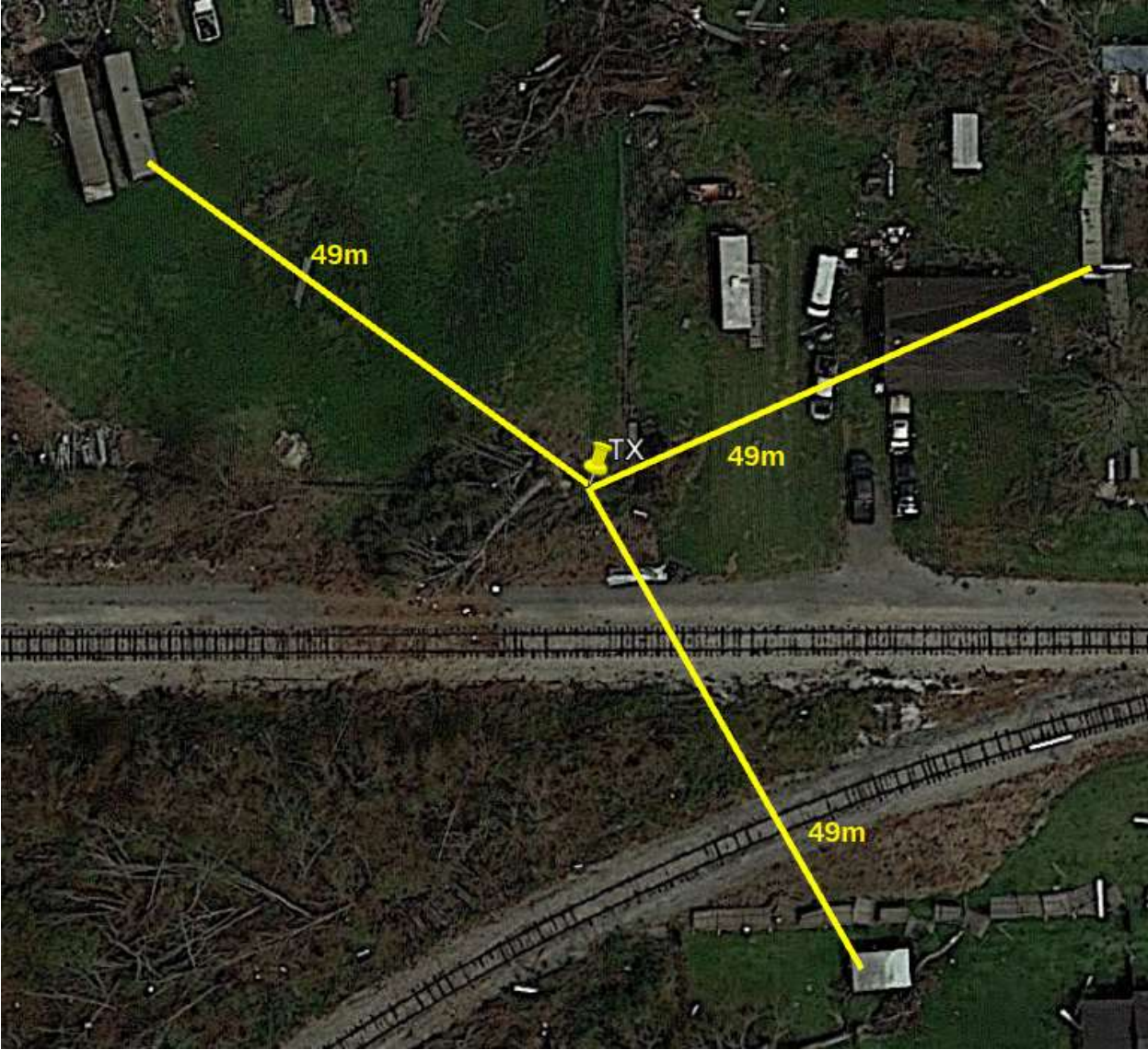
<sup>1</sup> See *Living Way Ministries, Inc.* Memorandum Opinion and Order, 17 FCC Rcd 17054, 17056 (2002) at 5. *Recon denied* 23 FCC Rcd 15070 (2008).

## KELB-LP Minor Modification - Second Adjacent Channel



Proposed Power:				<b>0.1 kW</b>				
Antenna Height AGL:				<b>22 m</b>				
Interference Contour:				<b>123.2 dBu</b>				
Artificial RX Antenna Height:				<b>2 m</b>				
Antenna Type:				Nicom BKG77 - 2 bay 0.85 wave spacing				
Angle Below Horizon	Antenna Relative Field	ERP in kW	ERP in dBk	Distance from Ant to Interference Contour	Distance from Ant to Artificial Plane	Field Strength in dBu @ Artificial Plane	Distance from Ant to Ground Level	Field Strength in dBu @ Ground Level
5	<b>0.967</b>	0.094	-10.29	46.93	229.47	109.41	252.42	108.59
10	<b>0.871</b>	0.076	-11.20	42.27	115.18	114.49	126.69	113.67
15	<b>0.711</b>	0.051	-12.96	34.50	77.27	116.20	85.00	115.37
20	<b>0.518</b>	0.027	-15.71	25.14	58.48	115.87	64.32	115.04
25	<b>0.310</b>	0.010	-20.17	15.04	47.32	113.25	52.06	112.42
30	<b>0.112</b>	0.001	-29.02	5.44	40.00	105.86	44.00	105.04
35	<b>0.062</b>	0.000	-34.15	3.01	34.87	101.92	38.36	101.09
40	<b>0.198</b>	0.004	-24.07	9.61	31.11	112.99	34.23	112.17
45	<b>0.288</b>	0.008	-20.81	13.98	28.28	117.08	31.11	116.25
50	<b>0.336</b>	0.011	-19.47	16.31	26.11	119.11	28.72	118.28
55	<b>0.349</b>	0.012	-19.14	16.94	24.42	120.02	26.86	119.20
60	<b>0.331</b>	0.011	-19.60	16.06	23.09	120.05	25.40	119.22
65	<b>0.295</b>	0.009	-20.60	14.32	22.07	119.44	24.27	118.61
70	<b>0.246</b>	0.006	-22.18	11.94	21.28	118.18	23.41	117.35
75	<b>0.197</b>	0.004	-24.11	9.56	20.71	116.49	22.78	115.66
80	<b>0.151</b>	0.002	-26.42	7.33	20.31	114.35	22.34	113.52
85	<b>0.122</b>	0.001	-28.27	5.92	20.08	112.59	22.08	111.77
90	<b>0.117</b>	0.001	-28.64	5.68	20.00	112.26	22.00	111.44





## **PROTECTION TO AM BROADCAST TOWERS**

KELB-LP  
Lake Charles, Louisiana  
Channel 263LP100 (100.5 MHz)

The following AM broadcast facilities are nearby to the proposed facility:

Call sign	Frequency/ Wavelength	Antenna type	Operating schedule	Distance (m)		Electrical Degrees		Notification required?
				Required	Actual	Required	Actual	
KXZZ	1580/190m	DA	Day	1899	5705	36	45.31	No
KXZZ	1580/190m	DA	Night	1899	5705	36	45.31	No
KLCL	1470/204m	ND	Day	204	2552	60	42.16	No
KLCL	1470/204m	ND	Night	204	2552	60	42.16	No

As indicated, the proposed facility does not impact any AM broadcast stations therefore, notification is not required in accordance with 47 C.F.R. §1.30002(g).

## **RF EXPOSURE**

KELB-LP  
Lake Charles, Louisiana  
Channel 263LP100 (100.5 MHz)

The proposed radiation center is at 22 meters above ground level on a stand-alone tower with no structures directly underneath. This distance well meets the minimum requirements on Worksheet 3 in the Form 318 Instructions. There are no other non-excluded RF sources proposed for the tower construction.