

**Engineering Statement  
In Support of an  
Application for a Construction Permit  
KMLB(AM), 540 kHz, Monroe, LA**

**Engineering Amendment Narrative**

Holladay Broadcasting of Louisiana, LLC ("Holladay") hereby files an amendment to a pending application for a construction permit (BP-20081008AHT) to move KMLB(AM)'s tower site to a permanent tower site location. The instant amendment seeks to reduce the ERP of the nighttime facility from 59 watts to 26 watts, so as to avoid increasing the existing overlap with XEWA, 540 kHz, San Louis Potosi, SL, Mexico. Additional exhibits [Exhibit E, Figures 11 and 11(a)] have been added to demonstrate this.

The proposed class D facility will operate with 4 kW daytime (ND).

The proposed facility (using M3 data) protects all other facilities (with the exception of KDFT and the WASG application). No new overlap is created by the proposed facility. In fact, existing interference will be eliminated to over 426,000 persons (see Exhibit E, Figure 2).

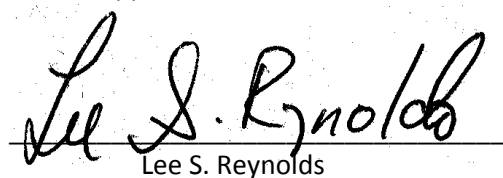
KMLB will continue to cover 100% of Monroe, LA with a city-grade contour (5 mV/m) during daytime hours. No persons live within either the daytime or nighttime blanketing contours, in compliance with §73.24(g).

The proposed nighttime facility will operate with 26 watts at night. This ERP will not interfere with any other stations, as shown in Exhibit E, Figure 6.

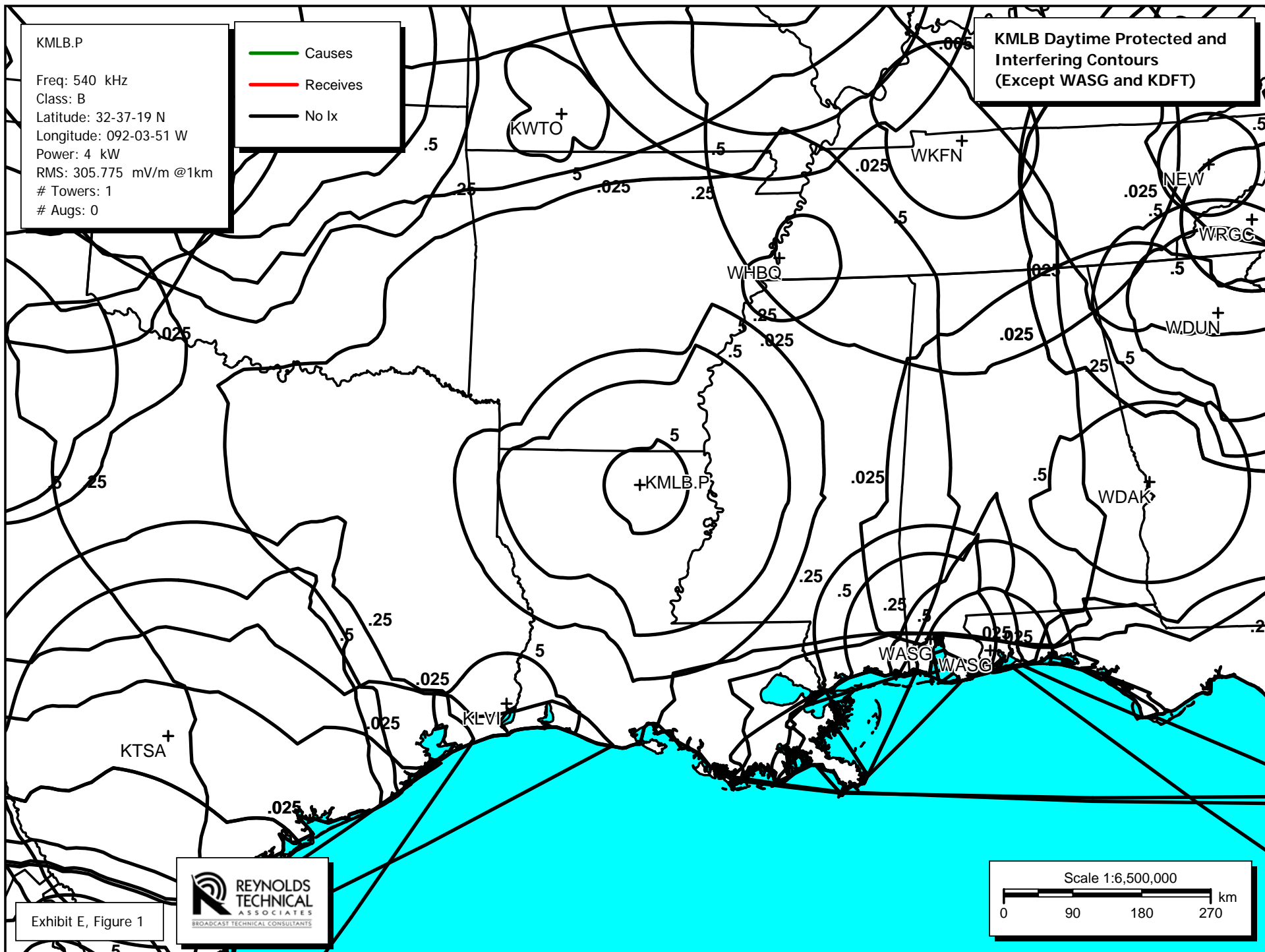
There are no large metal structures anywhere near the proposed tower site, as the aerial map in Exhibit E, Figure 10 shows.

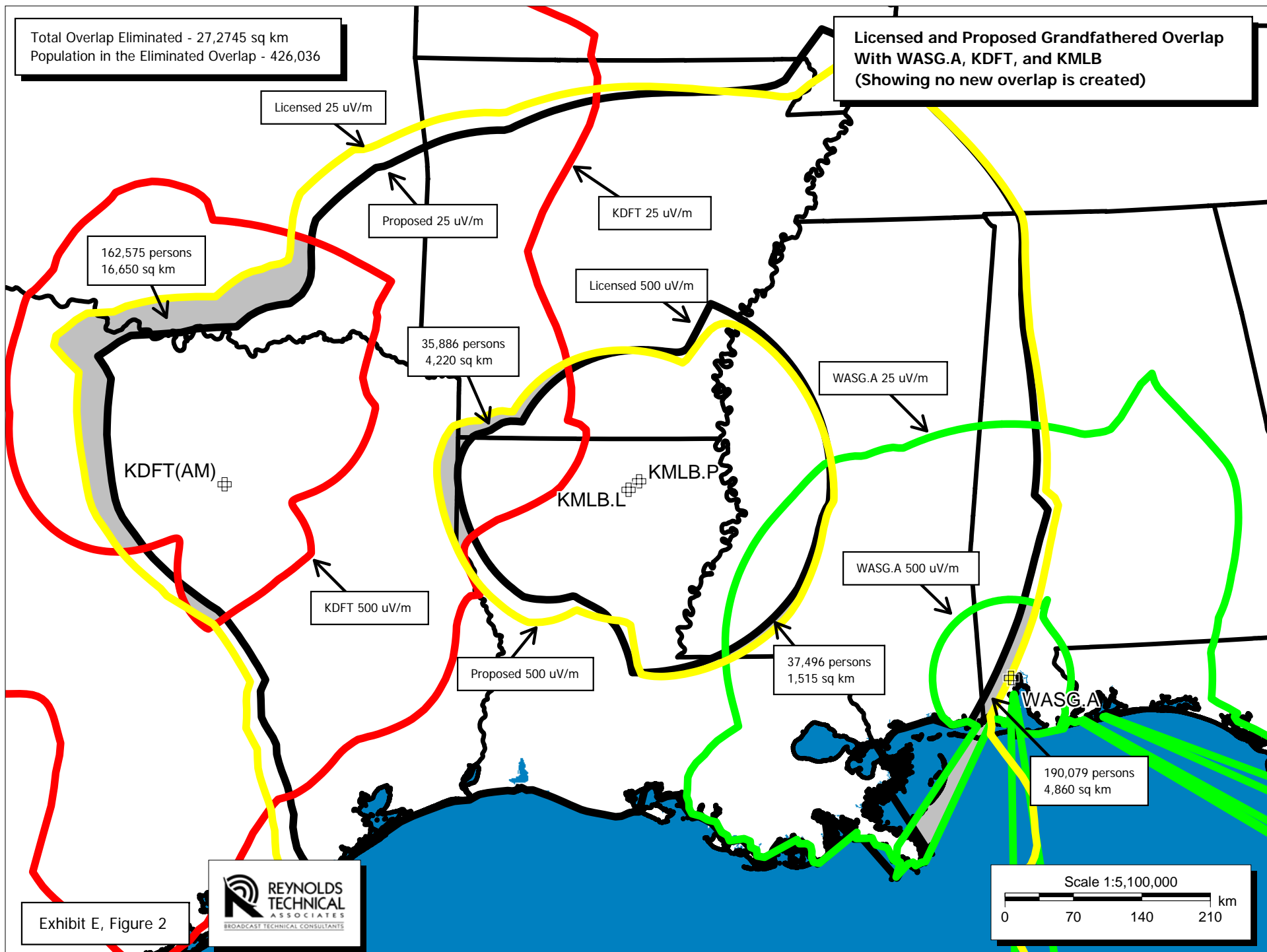
The proposed tower site will have a fence 2 meters from the base of the tower that will be at least 1.5 meters (5 feet) high. The proposed tower site will have appropriate signage warning the general public of the hazards of exposure to radiofrequency radiation.

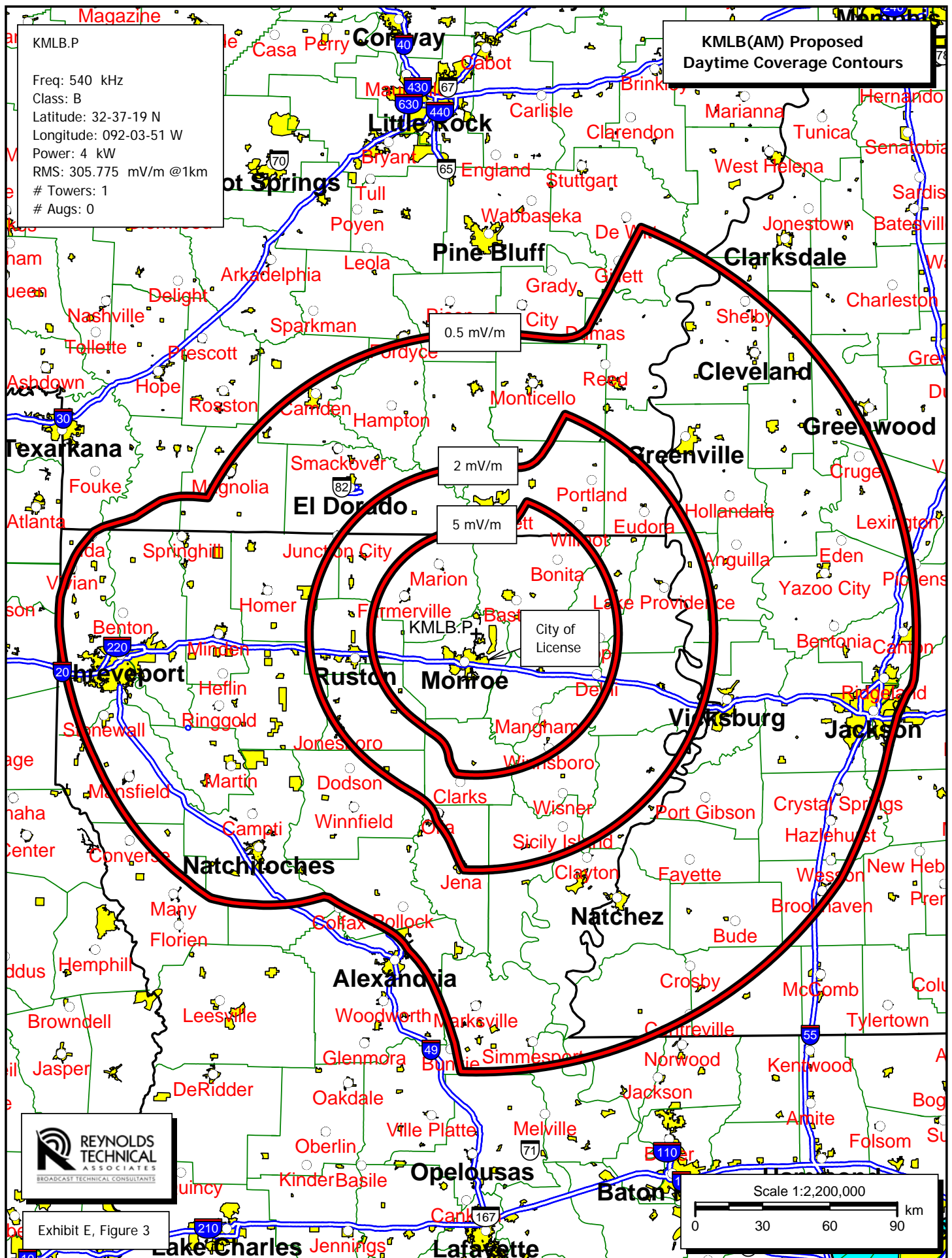
For the applicant:

  
Lee S. Reynolds

Reynolds Technical Associates  
6930 Cahaba Valley Road  
Suite 202  
Birmingham, AL 35242  
(205)618-2020







KMLB.P

Freq: 540 kHz

Class: B

Latitude: 32-37-19 N

Longitude: 092-03-51 W

Power: 4 kW

RMS: 305.775 mV/m @1km

# Towers: 1

# Augs: 0

Population Inside Contours - 0

Distance to Daytime 1 V/m - 600 m

Distance to Nighttime 1 V/m - 50 m

**KMLB(AM) Proposed  
Daytime and Nighttime  
Blanketing Contours**

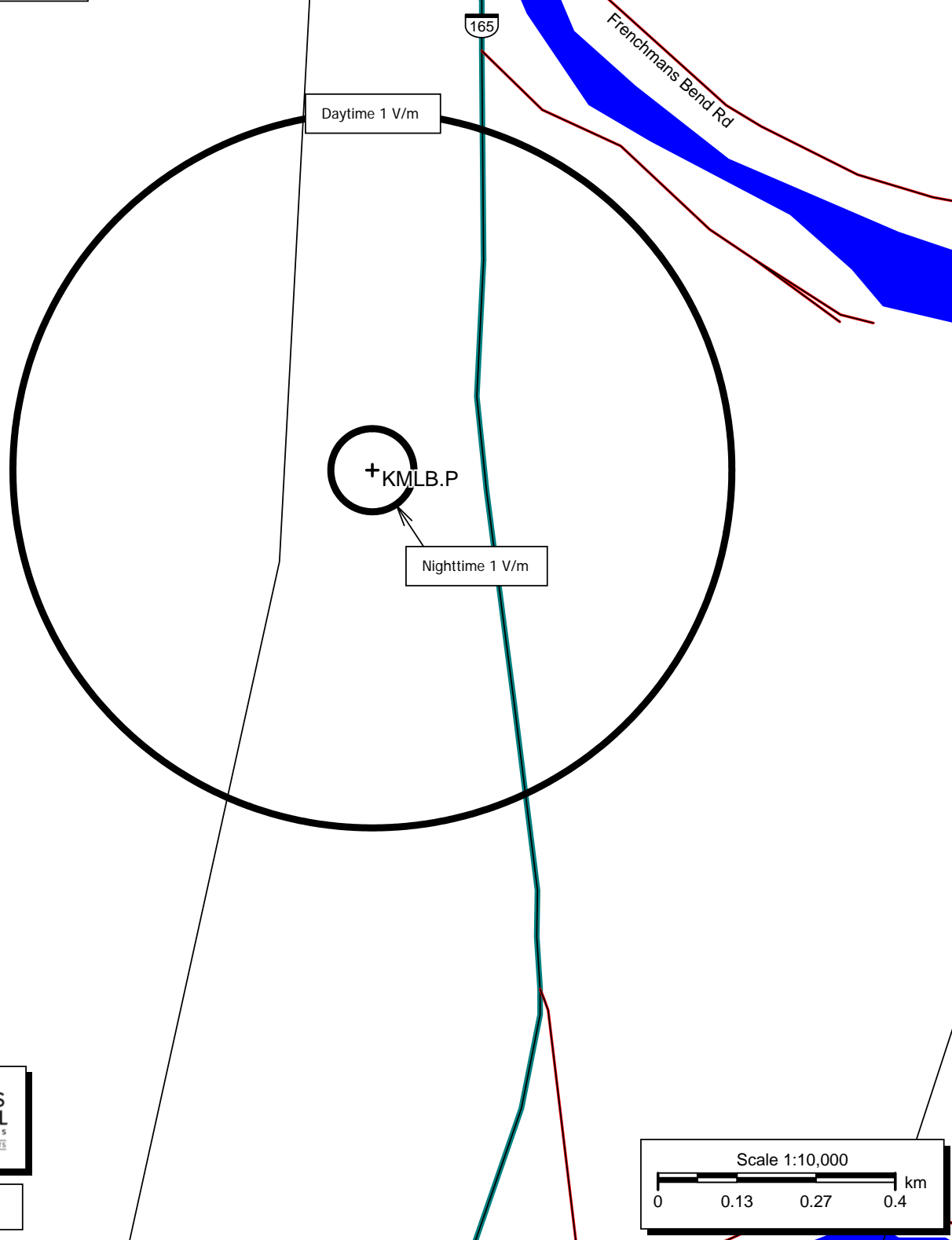
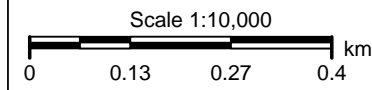
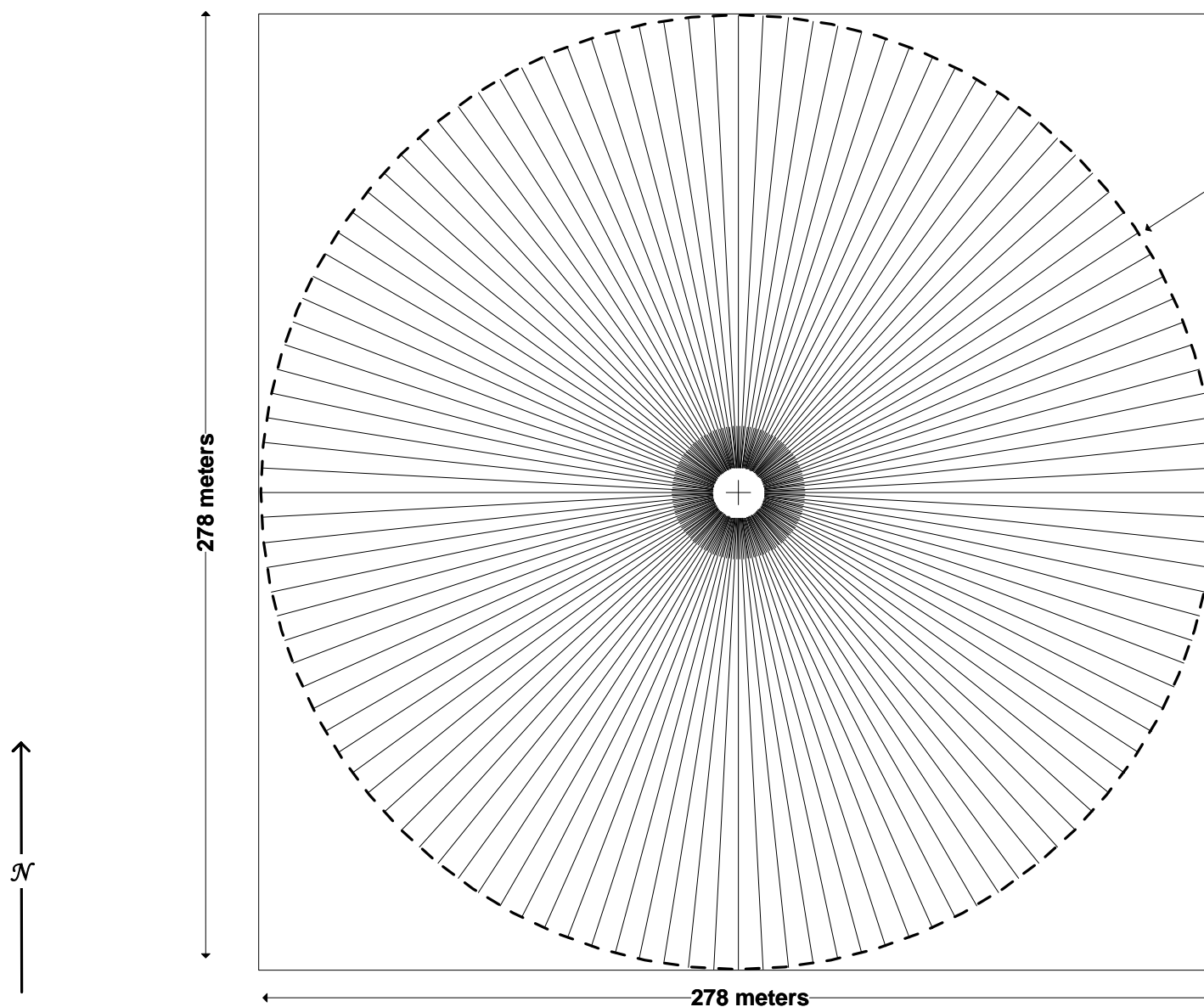


Exhibit E, Figure 4



**KMLB(AM), Monroe, LA  
Proposed Site Plat**



**Extent of  
Ground Radials**

The proposed ground system will consist of 120 10-gauge wires extending radially outward for a distance of 1/4 wavelength (138.9 m) on 540 kHz.

In between these radials will be 120 stub radials 19.3 m in length.

**Exhibit E, Figure 5**

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KMLB(AM), 540 kHz, Monroe, LA**

**Night Radiation Limit Report for KMLB**

Frequency: 540 kHz

Latitude: 32-37-19 N

Longitude: 092-03-51 W

Azi (deg)	Rad Limit (mV/m@1km)	Call Letters	Azi (deg)	Rad Limit (mV/m@1km)	Call Letters
0	553.2	CBK/A (50)	180	315.9	XEWA/ (126)
1	149.6	CBK/A (106)	181	-----	No Limit
2	154.6	CBK/A (105)	182	-----	No Limit
3	175.1	CBK/A (101)	183	-----	No Limit
4	210.5	CBK/A (95)	184	411.3	XEWA/A (132)
5	-----	No Limit	185	481.3	XEWA/O (132)
6	-----	No Limit	186	-----	No Limit
7	-----	No Limit	187	414.8	XEWA/ (133)
8	9089.3	WSAU	188	432.0	XEWA/ (134)
9	-----	No Limit	189	443.3	XEWA/ (135)
10	-----	No Limit	190	465.4	XEWA/ (137)
11	-----	No Limit	191	487.4	XEWA/ (139)
12	-----	No Limit	192	508.9	XEWA/ (141)
13	-----	No Limit	193	530.3	XEWA/ (143)
14	917.2	KTRS	194	552.0	XEWA/ (145)
15	398.3	WRRD	195	574.1	XEWA/ (147)
16	-----	No Limit	196	595.0	XEWA/ (149)
17	-----	No Limit	197	612.3	XEWA/ (151)
18	-----	No Limit	198	621.1	XEWA/ (152)
19	-----	No Limit	199	638.3	XEWA/ (154)
20	-----	No Limit	200	655.2	XEWA/ (156)
21	-----	No Limit	201	672.0	XEWA/ (158)
22	-----	No Limit	202	687.6	XEWA/ (160)
23	-----	No Limit	203	697.9	XEWA/ (162)
24	-----	No Limit	204	708.4	XEWA/ (164)
25	-----	No Limit	205	720.9	XEWA/ (167)
26	-----	No Limit	206	728.5	XEWA/ (169)
27	-----	No Limit	207	225.9	XEWA/A (84)
28	-----	No Limit	208	207.1	XEWA/A (75)
29	-----	No Limit	209	191.7	XEWA/A (67)
30	-----	No Limit	210	177.6	XEWA/A (61)
31	-----	No Limit	211	162.3	XEWA/ (55)
32	-----	No Limit	212	151.0	XEWA/ (51)
33	-----	No Limit	213	121.7	XEWA/ (45)
34	415.8	CBEF/A	214	109.9	XEWA/ (43)
35	-----	No Limit	215	112.3	XEWA/ (42)
36	-----	No Limit	216	114.3	XEWA/ (41)
37	-----	No Limit	217	119.9	XEWA/ (39)
38	-----	No Limit	218	119.0	XEWA/ (37)
39	7991.5	CHIC/U	219	120.5	XEWA/ (36)
40	6288.0	CJSB/A	220	123.5	XEWA/ (34)

continued

Azi (deg)	Rad Limit (mV/m@1km)	Call Letters
41	-----	No Limit
42	1267.3	WKRC
43	-----	No Limit
44	-----	No Limit
45	10320.7	CBGA-1/A
46	2804.0	CBT/ (355)
47	2622.2	CBT/ (285)
48	544.5	WWCS
49	2603.4	CBT/ (235)
50	2733.3	CBT/ (175)
51	1238.1	WXNH
52	1195.1	WXNH
53	9271.3	NEW/
54	-----	No Limit
55	19268.9	WDDZ
56	1500.2	WLIE
57	912.2	WGOP
58	8052.2	WSVA
59	-----	No Limit
60	-----	No Limit
61	311.1	NEW
62	-----	No Limit
63	897.1	WGOP
64	-----	No Limit
65	-----	No Limit
66	-----	No Limit
67	-----	No Limit
68	-----	No Limit
69	-----	No Limit
70	644.3	WETC
71	-----	No Limit
72	-----	No Limit
73	5677.0	WIOZ
74	1289.3	WDUN
75	-----	No Limit
76	-----	No Limit
77	-----	No Limit
78	-----	No Limit
79	-----	No Limit
80	-----	No Limit
81	-----	No Limit
82	-----	No Limit
83	-----	No Limit
84	-----	No Limit
85	-----	No Limit
86	-----	No Limit
87	-----	No Limit
88	-----	No Limit
89	-----	No Limit
90	-----	No Limit
91	-----	No Limit
92	-----	No Limit

Azi (deg)	Rad Limit (mV/m@1km)	Call Letters
221	126.7	XEWA/ (31)
222	126.9	XEWA/ (30)
223	127.2	XEWA/ (29)
224	128.6	XEWA/ (27)
225	129.4	XEWA/ (25)
226	130.6	XEWA/ (23)
227	131.0	XEWA/ (20)
228	129.0	XEWA/ (19)
229	126.4	XEWA/ (18)
230	124.3	XEWA/ (16)
231	121.7	XEWA/ (15)
232	119.2	XEWA/ (14)
233	143.4	XEWA/O (14)
234	113.5	XEWA/ (13)
235	113.7	XEWA/ (12)
236	113.8	XEWA/ (10)
237	112.1	XEWA/ (9)
238	111.6	XEWA/ (8)
239	110.0	XEWA/ (7)
240	110.7	XEWA/ (6)
241	109.1	XEWA/ (5)
242	130.8	XEWA/O (5)
243	105.1	XEWA/ (4)
244	106.3	XEWA/A (3)
245	102.2	XEWA/ (3)
246	99.1	XEWA/ (2)
247	120.3	XEWA/O (2)
248	96.5	XEWA/ (1)
249	96.4	XEWA/ (0)
250	95.8	XEWA/ (359)
251	96.6	XEWA/ (358)
252	95.4	XEWA/ (357)
253	95.6	XEWA/ (356)
254	98.2	XEWA/ (355)
255	103.1	XEWA/ (352)
256	142.2	XEWA/ (339)
257	140.9	XEWA/ (338)
258	-----	No Limit
259	331.9	XEWA/ (294)
260	309.4	XEWA/ (296)
261	155.9	XEWA/O (338)
262	284.1	XEWA/ (300)
263	271.6	XEWA/ (302)
264	119.3	XEWA/ (337)
265	119.4	XEWA/ (336)
266	147.2	XEWA/O (336)
267	219.6	XEWA/ (310)
268	115.0	XEWA/ (335)
269	143.1	XEWA/ (326)
270	127.4	XEWA/ (334)
271	135.5	XEWA/ (329)
272	209.7	XEWA/O (316)

continued



Azi (deg)	Rad Limit (mV/m@1km)	Call Letters	Azi (deg)	Rad Limit (mV/m@1km)	Call Letters
93	-----	No Limit	273	-----	No Limit
94	-----	No Limit	274	3195.2	NEW
95	-----	No Limit	275	-----	No Limit
96	-----	No Limit	276	34387.3	KMVI
97	-----	No Limit	277	-----	No Limit
98	-----	No Limit	278	3865.2	KFYI
99	-----	No Limit	279	-----	No Limit
100	-----	No Limit	280	-----	No Limit
101	-----	No Limit	281	-----	No Limit
102	-----	No Limit	282	-----	No Limit
103	-----	No Limit	283	-----	No Limit
104	-----	No Limit	284	9719.0	KUZZ
105	-----	No Limit	285	-----	No Limit
106	-----	No Limit	286	-----	No Limit
107	-----	No Limit	287	1507.0	NEW
108	-----	No Limit	288	1743.2	KRXX
109	-----	No Limit	289	-----	No Limit
110	-----	No Limit	290	-----	No Limit
111	-----	No Limit	291	-----	No Limit
112	613.2	WFLF	292	-----	No Limit
113	607.6	WFLF	293	-----	No Limit
114	-----	No Limit	294	-----	No Limit
115	-----	No Limit	295	15237.7	NEW
116	17323.0	WPAB	296	-----	No Limit
117	-----	No Limit	297	-----	No Limit
118	-----	No Limit	298	-----	No Limit
119	19162.3	UNK-B	299	-----	No Limit
120	17798.7	HICM-C	300	-----	No Limit
121	-----	No Limit	301	-----	No Limit
122	-----	No Limit	302	-----	No Limit
123	48579.5	ZYH-481-A	303	-----	No Limit
124	-----	No Limit	304	-----	No Limit
125	-----	No Limit	305	-----	No Limit
126	-----	No Limit	306	6398.8	KOAC
127	-----	No Limit	307	1798.8	NEW
128	5083.2	YVOV-A (50)	308	-----	No Limit
129	2944.5	CMNA-D	309	-----	No Limit
130	4657.1	YVOV-A (30)	310	-----	No Limit
131	4618.0	YVOV-A (25)	311	-----	No Limit
132	4584.1	YVOV-A (20)	312	-----	No Limit
133	4332.1	YVOV-A (355)	313	-----	No Limit
134	4318.6	YVOV-A (350)	314	-----	No Limit
135	4369.6	YVOV-A (340)	315	836.8	KJJL
136	4487.3	YVOV-A (330)	316	668.8	CBK/A (260)
137	4614.4	YVOV-A (310)	317	676.4	CBK/A (261)
138	4689.5	YVOV-A (285)	318	705.6	CBK/A (265)
139	5046.9	YVOV-A (240)	319	732.6	CBK/A (269)
140	5295.6	YVOV-A (220)	320	752.8	CBK/A (272)
141	73334.6	ZYJ-778-A	321	780.7	CBK/A (276)
142	6332.8	HJKA-A (25)	322	801.0	CBK/A (279)
143	6101.3	HJKA-A (0)	323	815.0	CBK/A (240)

continued

Azi (deg)	Rad Limit (mV/m@1km)	Call Letters
144	6023.5	HJKA-A (345)
145	6007.2	HJKA-A (335)
146	6087.9	HJKA-A (320)
147	6237.2	HJKA-A (300)
148	6526.4	HJKA-A (265)
149	-----	No Limit
150	69000.3	LRA25-A
151	-----	No Limit
152	58441.8	LRA14-A
153	-----	No Limit
154	-----	No Limit
155	83.5	XEWA/O (91)
156	74.2	XEWA/A (91)
157	75.6	XEWA/ (91)
158	80.0	XEWA/ (93)
159	84.8	XEWA/ (95)
160	91.7	XEWA/ (97)
161	99.7	XEWA/ (99)
162	108.7	XEWA/ (101)
163	118.9	XEWA/ (103)
164	129.7	XEWA/ (105)
165	141.1	XEWA/ (107)
166	407.8	YSHV-B (15)
167	398.2	YSHV-B (10)
168	157.2	XEWA/ (108)
169	166.9	XEWA/ (109)
170	385.7	YSHV-B (0)
171	178.6	XEWA/ (110)
172	383.2	YSHV-B (350)
173	191.6	XEWA/ (111)
174	204.4	XEWA/ (112)
175	242.8	XEWA/ (119)
176	217.3	XEWA/ (113)
177	247.6	XEWA/ (117)
178	293.0	XEWA/A (122)
179	291.2	XEWA/ (123)

Azi (deg)	Rad Limit (mV/m@1km)	Call Letters
324	803.2	CBK/A (236)
325	799.6	CBK/A (232)
326	799.2	CBK/A (231)
327	890.4	CBK/A (296)
328	903.7	CBK/A (299)
329	919.7	CBK/A (303)
330	930.3	CBK/A (306)
331	939.1	CBK/A (309)
332	946.7	CBK/A (312)
333	953.0	CBK/A (315)
334	958.1	CBK/A (318)
335	961.8	CBK/A (321)
336	964.2	CBK/A (324)
337	965.2	CBK/A (329)
338	540.2	CBK/A (139)
339	616.9	CBK/A (135)
340	494.2	CBK/A (131)
341	464.4	CBK/A (128)
342	440.9	CBK/A (125)
343	425.3	CBK/A (123)
344	409.3	CBK/A (121)
345	393.0	CBK/A (119)
346	376.0	CBK/A (117)
347	357.6	CBK/A (115)
348	347.8	CBK/A (114)
349	326.6	CBK/A (112)
350	314.3	CBK/A (111)
351	301.1	CBK/A (110)
352	288.7	CBK/A (109)
353	701.9	NEW
354	711.9	NEW
355	723.1	CBK/A (28)
356	210.7	CBK/A (108)
357	665.6	CBK/A (36)
358	626.5	CBK/A (41)
359	168.2	CBK/A (107)

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KMLB(AM), 540 kHz, Monroe, LA**

**RSS Study**

Station Information:

Call: KMLB.P  
Freq: 540 kHz  
MONROE, LA, US  
Lat: 32-37-19 N  
Lng: 092-03-51 W  
Power: 0.026 kW  
Theo RMS: 305.78 mV/m @ 1km

Standard: FCC Rules (1992 Skywave Propagation Model) [ 10% ]

Contributors:

Call	Freq (kHz)	City	St	Ct	Limit (mV/m)	(%)	RSS Limit (mV/m)
XEWA/	0540	SOLEDAD DE GRACIA	SL	MX	24.242	100.0	<u><b>24.242*</b></u>
CBK/A	0540	WATROUS	SK	CA	2.833	11.7	24.407

Non-Contributors:

Call	Freq (kHz)	City	St	Ct	Limit (mV/m)
XEWA/O	0540	SAN LUIS POTOSI	SL	MX	29.811
XEWA/A	0540	SAN LUIS POTOSI	SL	MX	25.411
WFLF	0540	PINE HILLS	FL	US	3.896
CMBV-D	0550	WAJAY		CU	3.878
YSHV-B	0540	SAN SALVADOR		ES	3.319

\* NIF value

KMLB.P

Freq: 540 kHz  
Class: B  
Latitude: 32-37-19 N  
Longitude: 092-03-51 W  
Power: 0.026 kW  
RMS: 305.775 mV/m @1km  
# Towers: 1  
# AUs: 0

**KMLB(AM) Proposed  
Nighttime Interference Free  
Contour**

NIF Contour  
(24.2 mV/m)

KMLB.P+

165

Roberts Rd

Lee Morgan Rd

John Turner

Frenchmans Bend Rd

Studdard Rd

Shortwayne Rd

Lucky Ln

Martha Dr

Venable Ln

Woodland Rd

Laurel Grove Rd

Stevenson Dr

Horseshoe Lake Rd

Fortune Dr

Hickory Ln

Garden Ln

Camp Rd



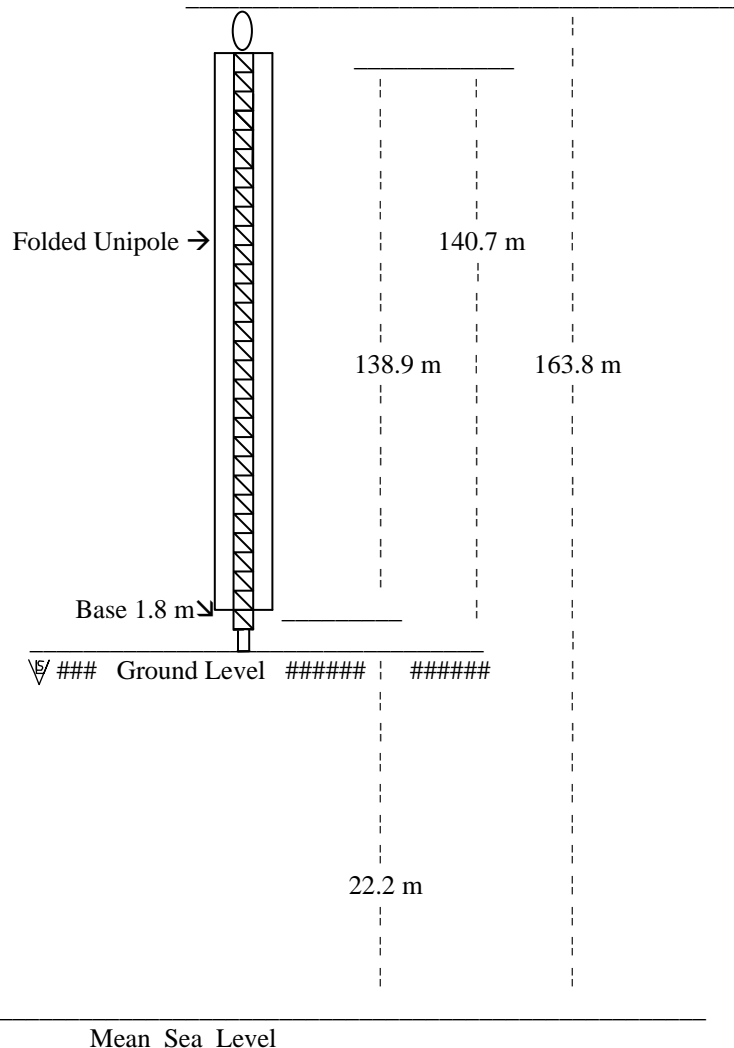
Exhibit E, Figure 8

Scale 1:40,000

0 0.53 1.07 1.6 km

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**Vertical Sketch**



Coordinates for Proposed Location  
32° 37' 19" N. Lat., 92° 3' 51" W. Long. (NAD 27)

NOT DRAWN TO SCALE

The total height of the tower will include a 1.8-meter (6.0 feet) base. The radiator will be a folded unipole.

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Aerial View of Proposed Tower Site



Exhibit E, Figure 10

KMLB.P

Freq: 540 kHz  
Class: B  
Latitude: 32-37-19 N  
Longitude: 092-03-51 W  
Power: 0.026 kW  
RMS: 305.775 mV/m @1km  
# Towers: 1  
# Augs: 0

KMLB(AM) Licensed and  
Proposed Skywave Contours  
Toward XEWA(AM)

XEWA 500 uV/m 50%

KMLB Licensed + KMLB.P

KMLB Proposed 25 uV/m 10%

KMLB Licensed 25 uV/m 10%



Exhibit E, Figure 11

Scale 1:20,000,000

0 280 560 840 km

KMLB.P

Freq: 540 kHz  
Class: B  
Latitude: 32-37-19 N  
Longitude: 092-03-51 W  
Power: 0.026 kW  
RMS: 305.775 mV/m @1km  
# Towers: 1  
# Aucs: 0

KMLB(AM) Licensed and  
Proposed Skywave Contours  
Toward XEWA(AM)  
(Zoomed View)

KMLB Proposed 25 uV/m 10%

KMLB Licensed 25 uV/m 10%



Exhibit E, Figure 11(a)

Scale 1:1,500,000

0 20 40 60 km