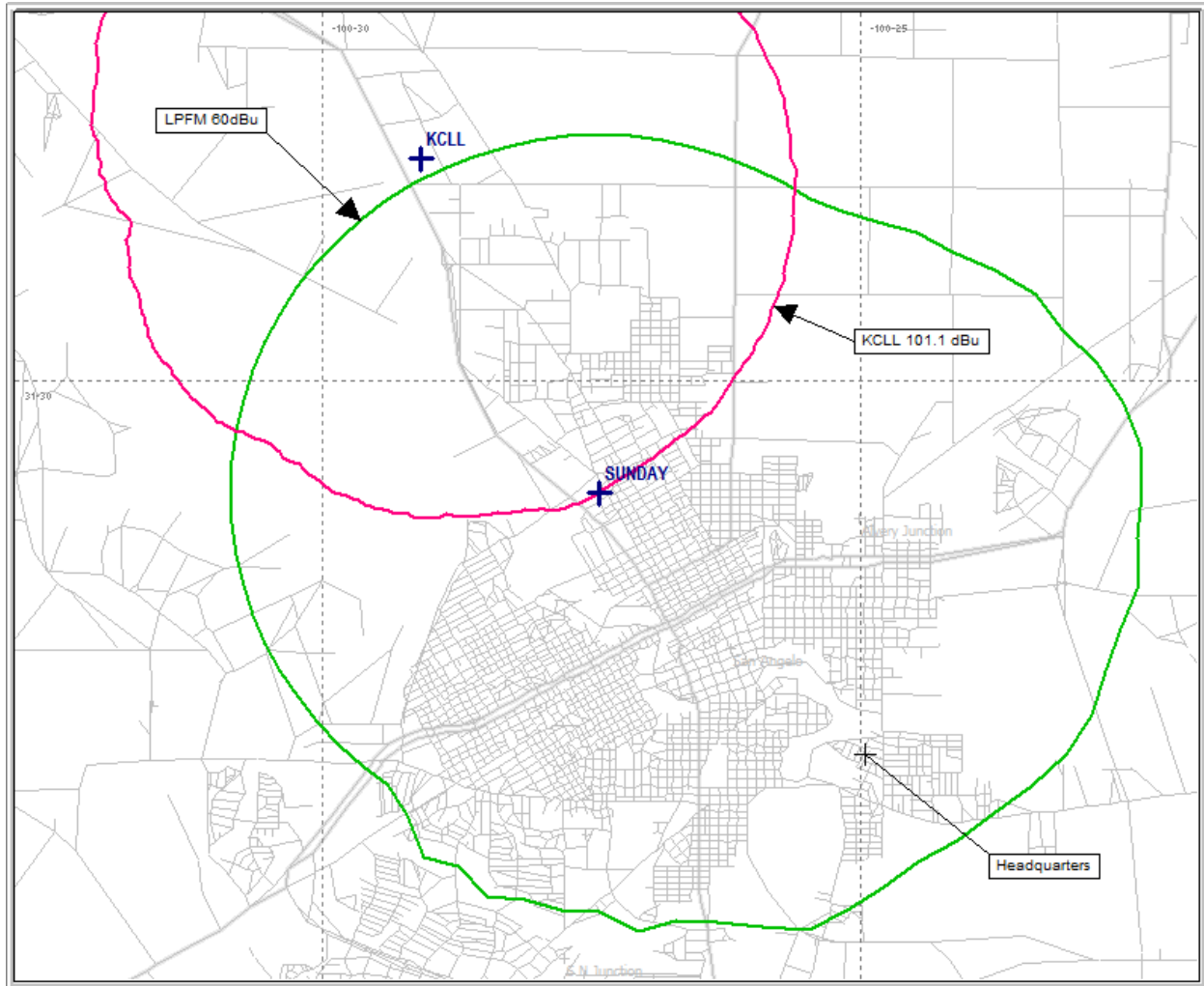




**REC Networks**  
11541 Riverton Wharf Rd.  
Mardela Springs, MD 21837  
844.REC.LPFM/202.621.2355  
recnet.com

Amendment for NEW-LP  
**SAN ANGELO, TX**  
**SUNDAY MORNING GLORY RADIO, INC.**  
**BNPL-20131024AKT**

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



SAN ANGELO, TX – Chan 263L1 (100.5 MHz) ~ ERP 0.084 kW  
Elev: 577 meters ~ RCAGL: 40 meters ~ RCAMSL: 617 meters ~ HAAT: 33 meters  
Overall tower height: 128 meters – ASR 1041536  
NAD27 Latitude: 31° 29' 5.4" NL – Longitude: 100° 27' 25.7" WL

R E C NETWORKS  
CHANNEL REPORT

NAD27 LATITUDE: 31 - 29' 05.3" - LONGITUDE: 100 - 27' 25.7"  
CHANNEL: 263 - CLASS: LPFM(LP-100)

CHAN	FREQ	CALL	LOCATION	CLS	DIST	REQ	CLEAR	BEAR
261	100.1	KCLL	SAN ANGELO	TX C2	5.7	53.0	-47.3	332.6
: FOSTER COMMUNICATIONS CO., INC.								
263	100.5			C	230.3	130.0	100.3	252.2
: LINDA CRAWFORD								
263	100.5			C	245.3	130.0	115.3	253.4
: BK RADIO								
264	100.7	KULL	ABILENE	TX C1	119.9	100.0	19.9	42.6
: TOWNSQUARE MEDIA ABILENE LICENSE, LLC								
266	101.1	NEW	MERTZON	TX C3	20.9	0.0	20.9	236.8
: ACE RADIO CORPORATION								
* Does not meet third adjacent channel spacing under LCRA Sect 7.								
266	101.1	NEW	MERTZON	TX A	23.7	0.0	23.7	247.7
: ORTIZ, MARIA J								
* Does not meet third adjacent channel spacing under LCRA Sect 7.								
266	101.1	NEW	MERTZON	TX C3	22.3	0.0	22.3	229.5
: ACE RADIO CORPORATION								
* Does not meet third adjacent channel spacing under LCRA Sect 7.								

Site: SUNDAY  
 Coordinates: 31-29-05.4 N, 100-27-25.7 W  
 Freq: 100.5 MHz  
 ERP: 84.00 W

Bearing	ERP W	HAAT	DH	Distance	Lat	Lon
0	84.00	-15	150	5.40	31.533430	-100.457139
5	84.00	-3	150	5.40	31.533245	-100.452170
10	84.00	6	140	5.40	31.532692	-100.447238
15	84.00	9	140	5.40	31.531773	-100.442382
20	84.00	11	150	5.40	31.530498	-100.437639
25	84.00	8	140	5.40	31.528875	-100.433044
30	84.00	15	100	5.40	31.526916	-100.428633
35	84.00	27	90	5.40	31.524637	-100.424439
40	84.00	32	70	5.56	31.523137	-100.419429
45	84.00	35	60	5.79	31.521651	-100.413940
50	84.00	39	70	6.10	31.520080	-100.407851
55	84.00	42	70	6.34	31.517525	-100.402352
60	84.00	47	40	6.72	31.515049	-100.395719
65	84.00	52	30	7.07	31.511690	-100.389537
70	84.00	54	30	7.23	31.507055	-100.385464
75	84.00	59	30	7.57	31.502421	-100.380054
80	84.00	63	40	7.82	31.497014	-100.375954
85	84.00	66	60	7.98	31.491062	-100.373276
90	84.00	66	40	7.98	31.484806	-100.372962
95	84.00	65	30	7.93	31.478593	-100.373865
100	84.00	67	30	8.04	31.472244	-100.373608
105	84.00	65	10	7.93	31.466357	-100.376406
110	84.00	65	10	7.93	31.460427	-100.378604
115	84.00	66	40	7.98	31.454473	-100.380873
120	84.00	65	40	7.93	31.449168	-100.384769
125	84.00	62	60	7.76	31.444787	-100.390132
130	84.00	59	60	7.57	31.441082	-100.396045
135	84.00	57	70	7.43	31.437554	-100.401739
140	84.00	55	100	7.30	31.434547	-100.407695
145	84.00	55	160	7.30	31.431063	-100.413020
150	84.00	55	140	7.30	31.427988	-100.418681
155	84.00	55	160	7.30	31.425346	-100.424634
160	84.00	51	160	6.99	31.425751	-100.431939
165	84.00	47	150	6.72	31.426432	-100.438801
170	84.00	45	130	6.58	31.426566	-100.445099
175	84.00	46	130	6.65	31.425212	-100.451026
180	84.00	42	130	6.34	31.427818	-100.457139
185	84.00	42	80	6.34	31.428035	-100.462962
190	84.00	41	120	6.26	31.429392	-100.468595
195	84.00	42	130	6.34	31.429759	-100.474433
200	84.00	38	150	6.02	31.433976	-100.478833
205	84.00	39	180	6.10	31.435121	-100.484306
210	84.00	33	160	5.64	31.440921	-100.486852
215	84.00	29	100	5.40	31.445021	-100.489811
220	84.00	22	110	5.40	31.447601	-100.493755
225	84.00	19	170	5.40	31.450464	-100.497420
230	84.00	8	90	5.40	31.453588	-100.500779
235	84.00	3	110	5.40	31.456951	-100.503806
240	84.00	10	150	5.40	31.460525	-100.506478
245	84.00	11	140	5.40	31.464285	-100.508775
250	84.00	12	110	5.40	31.468201	-100.510679
255	84.00	9	50	5.40	31.472244	-100.512176
260	84.00	6	90	5.40	31.476382	-100.513255
265	84.00	8	100	5.40	31.480585	-100.513906
270	84.00	10	120	5.40	31.484821	-100.514125
275	84.00	8	90	5.40	31.489056	-100.513911
280	84.00	7	100	5.40	31.493260	-100.513265
285	84.00	19	140	5.40	31.497399	-100.512191
290	84.00	21	120	5.40	31.501443	-100.510698
295	84.00	26	100	5.40	31.505361	-100.508798
300	84.00	28	140	5.40	31.509122	-100.506503
305	84.00	29	100	5.40	31.512699	-100.503833
310	84.00	29	80	5.40	31.516063	-100.500808
315	84.00	26	130	5.40	31.519190	-100.497449
320	84.00	23	140	5.40	31.522055	-100.493784
325	84.00	20	160	5.40	31.524637	-100.489839
330	84.00	15	140	5.40	31.526916	-100.485645
335	84.00	13	120	5.40	31.528875	-100.481234
340	84.00	13	110	5.40	31.530498	-100.476639
345	84.00	8	120	5.40	31.531773	-100.471895
350	84.00	2	160	5.40	31.532692	-100.467040
355	84.00	-7	120	5.40	31.533245	-100.462108

## **LPFM SECOND ADJACENT CHANNEL WAIVER STUDY**

San Angelo, TX  
Channel 263L1 (100.5 MHz)

Based on a study performed by Michelle Bradley of REC Networks, it has been determined that this proposed site qualifies for a second adjacent waiver as specified in Section 73.807(e) of the Commission's Rules.

Station KCLL (Facility ID # 17778) San Angelo, TX operates on Channel 261C2. KCLL operates 50 kW at 117.3 meters height above average terrain and is located 5.7 km from the proposed LPFM station. KCLL places a 101.1 dBu F(50, 50) service contour at the proposed LPFM transmitter site.

The proposed LPFM station will operate from an antenna height of 40 meters above ground level which places the radiation center at 33 meters above average terrain. In order to meet the maximum service requirements of §73.811(a) of the Commission's rules, the applicant is proposing to operate 0.084 kW ERP.

Using the U/D method<sup>1</sup>, the proposed LPFM station is predicted to produce an undesired interference overlap in respect to KCLL to the proposed LPFM station's 141.1 dBu interference contour ("overlap zone"). The 141.1 dBu contour is 6 meters from the radiation center of the antenna.

As the radiation center is 40 meters above ground level, the 141.1 dBu contour will not reach ground level or penetrate any adjacent structures.

Based on the information presented, REC submits that the proposed station will not create any interference to existing or potential listeners of second adjacent channel station KCLL.

The applicant requests a waiver of §73.807 of the Commission's Rules in respect to KCLL.

Report completed by  
Michelle Eyre Bradley  
Founder, REC Networks  
August 10, 2014

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<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).

**AREA SURROUNDING PROPOSED TOWER SITE.**

There are no tall buildings surrounding the tower.

