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April 20, 2015

Mr. Paul Gleiser, President
Gleiser Communications, LLC
Radio Station KTBB(AM) (FCC Facility ID 24248)
1001 ESE Loop 323, Suite 455
Tyler, TX 75701

Re: KGLY(FM), Tyler, TX
New Tower Construction
FCC File No. BPED-20140717ABP

Dear Mr. Gleiser:

Pursuant to the requirements of the above captioned FCC construction permit for KGLY(FM), this is to advise you that the licensee plans to begin construction of its new transmitting facility within the next 2-3 months. The new facility will involve the construction of a new tower that will have an overall height of 136.9 m (449 ft.). This tower will be located approximately 2.4 km north of the KTBB(AM) transmitter site.

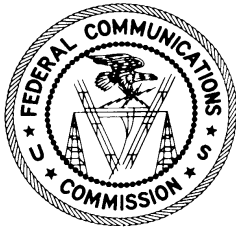
As required by the FCC construction permit, the licensee of KGLY(FM) contracted with our firm to complete a moment method analysis of the potential re-radiation effects of the proposed KGLY(FM) tower on the KTBB(AM) antenna system. This study indicated some potential for adverse re-radiation. Therefore, I hereby notify you that the licensee of KGLY(FM), as part of the project, plans to install and maintain a detuning apparatus on the new KGLY(FM) tower structure to eliminate any unwanted re-radiation effects on the KTBB(AM) antenna system.

I am attaching copies of the KGLY(FM) construction permit and the moment method analysis report with this letter for your information.

If there are any questions regarding this matter, please feel free to contact me.

Sincerely,

Louis R. du Treil Jr., P.E.



United States of America
FEDERAL COMMUNICATIONS COMMISSION
FM BROADCAST STATION CONSTRUCTION PERMIT

Authorizing Official:

Official Mailing Address:

EDUCATIONAL RADIO FOUNDATION OF EAST TEXAS,
P.O. BOX 8525
TYLER TX 75711

Rodolfo F. Bonacci
Assistant Chief
Audio Division
Media Bureau

Facility ID: 18757

Call Sign: KGLY

Permit File Number: BPED-20140717ABP

Grant Date: September 08, 2014

This permit expires 3:00 a.m.
local time, 36 months after the
grant date specified above.

Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules.

Commission rules which became effective on February 16, 1999, have a bearing on this construction permit. See Report & Order, Streamlining of Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para. 77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998). Pursuant to these rules, this construction permit will be subject to automatic forfeiture unless construction is complete and an application for license to cover is filed prior to expiration. See Section 73.3598.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

Name of Permittee: EDUCATIONAL RADIO FOUNDATION OF EAST TEXAS, INC.

Station Location: TX-TYLER

Frequency (MHz): 91.3

Channel: 217

Class: C2

Hours of Operation: Unlimited

Transmitter: Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Transmitter output power: As required to achieve authorized ERP.

Antenna type: Non-Directional

Antenna Coordinates: North Latitude: 32 deg 17 min 33 sec
West Longitude: 95 deg 12 min 02 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	12.0	12.0
Height of radiation center above ground (Meters):	113	113
Height of radiation center above mean sea level (Meters):	294	294
Height of radiation center above average terrain (Meters):	155	155

Antenna structure registration number: 1292403

Overall height of antenna structure above ground (including obstruction lighting if any) see the registration for this antenna structure.

Special operating conditions or restrictions:

- 1 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

Special operating conditions or restrictions:

- 2 The AM station identified below may be affected by the facilities authorized by this construction permit. Pursuant to Section 1.30004 of the Commission's Rules, at least 30 days prior to commencement of construction of the facilities authorized herein, the permittee must provide notification of the construction to the AM station licensee. As part of this notification, the permittee must examine the potential impact of the construction of the authorized facilities on the AM station using a moment method analysis. The analysis shall consist of a model of the AM antenna together with the potential re-radiating tower in a lossless environment. The model shall employ the methodology specified in Section 73.151(c) of the Commission's Rules, except that the AM antenna elements may be modeled as a series of thin wires driven to produce the required radiation pattern, without any requirement for measurement of tower impedances. If the AM station was authorized pursuant to a directional proof of performance based on field strength measurements, the permittee may, in lieu of the moment method analysis, demonstrate with measurements taken before and after construction that field strength values at the monitoring points do not exceed the licensed values. If the construction results in radiation values in excess of the AM station's licensed standard pattern or augmented pattern values, the permittee is responsible for the installation and maintenance of any detuning apparatus necessary to restore proper operation of the directional antenna. (See Section 1.30002 of the Commission's Rules.) The permittee must submit confirmation of completion of these notice and analysis requirements in the application for license to cover this construction permit. If the facilities authorized by this Construction Permit do not result in a significant modification of the existing tower specified as defined in Section 1.30002(d) of the Commission's Rules, the permittee shall submit a certification and any necessary evidence supporting that certification in the Application for License.

Station KTBB(AM), Tyler, TX, Fac. ID No. 24248.

- 3 Upon commencement of program tests in accordance with Section 73.1620, the licensed facility (BLED-20130111ABU) for co-owned first-adjacent Station KHJA(FM), Facility ID No. 174413, Tatum, TX WILL BE CANCELLED due to a violation of 47 C.F.R. Section 73.509. Documentation of compliance with this condition must be submitted with the FCC Form 302, Application for License.

*** END OF AUTHORIZATION ***

ENGINEERING REPORT
EVALUATION OF ELECTROMAGNETIC EFFECTS OF
PROPOSED KGLY(FM) BRANCH PROPERTY TOWER ON
AM BROADCAST STATION KTBB
PREPARED FOR
RADIO STATION KGLY(FM)
TYLER, TEXAS

This Engineering Report was prepared to present the results of an analysis of the re-radiation electromagnetic effects of the proposed KGLY(FM) tower to be located on the 'Branch Property' location near Chapel Hill, Texas on the KTBB(AM) antenna array. This evaluation has been conducted in consideration of the new procedures regarding disturbance of AM broadcast station antenna patterns in Section 1.30000 of the FCC Rules.

Background

AM broadcast station KTBB is licensed for operation on 600 kHz with a power of 2.5 kW during nighttime hours and 5 kW during daytime hours, using different directional antenna patterns during daytime and nighttime hours. KTBB utilizes two towers in an "in-line" arrangement to produce its daytime pattern; and it utilizes four towers in a "parallelogram" arrangement to produce its nighttime pattern.

There is a proposal to construct a new guyed tower to be located at the 'Branch Property' approximately 2.3-km north-northwest of the KTBB antenna array. This tower is planned to have an overall height of 136.9 m AGL (449 ft). It is planned to support the KGLY main transmitting antenna and the KVNE auxiliary transmitting antenna.

It is noted that there is a 131-m AGL (429-ft) tower structure located 0.4 km southeast of the proposed KGLY tower. This tower supports the transmitting antenna of KISX(FM) (107.3 MHz). It is understood that a wire skirt arrangement is employed on this tower to detune the structure from significant re-radiation that could affect KTBB.

Compliance with Section 1.30002 of the FCC Rules

Section 1.30002 of the FCC Rules requires that proposed towers that would be located within the lesser of 10 wavelengths or 3 km from a directional AM broadcast station, and which would be taller than 36 electrical degrees at the subject AM station frequency notify the AM broadcast station at least 30 days in advance of construction. In addition, such situated cases the proponent is required to examine the potential impact of the construction using the method of moment analysis. If the proposed construction would result in radiation in excess of the AM station's licensed standard/augmented pattern, then the proponent shall be responsible for the installation and maintenance of a detuning apparatus to restore proper operation of the directional antenna.

In this instance, the proposed KGLY tower would fall within the 10 wavelength/3 km distance and it would exceed the 36-degree height limit, being over 98 electrical degrees in height at a frequency of 600 kHz.

The purpose of this report is to summarize the results of a method of moments evaluation of the potential for the proposed tower structure to cause re-radiation that would result in radiation in excess of the FCC described limits. A software tool known as MININEC, which stands for mini-Numerical Electromagnetics Code, was employed in the analysis.

Construction of MININEC Model

In order to estimate the effects of the proposed KGLY tower on the KTBB antenna patterns, the method of moments modeling technique was employed using the MININEC software tool. A wire model of the proposed tower and the KTBB directional antenna systems were developed using the MININEC software.

Physical and electrical data for the KTBB antenna systems were obtained from the FCC engineering database records for KTBB. A wire model was developed using cylindrical elements of varying radius to approximate the KTBB antenna system and the proposed KGLY tower.

Perspective views of the wire model construct, as output from the software tool are included herein as an attachment. Array synthesis functions in the MININEC software were employed to formulate the KTBB patterns.

Results

The attached tabulations show the results of the MININEC method of moments analysis for the KTBB daytime and nighttime antenna patterns. For both the daytime and nighttime patterns, the predicted theoretical pattern is shown by azimuth, followed by the predicted effect including the proposed KGLY tower. The absolute value of the percentage effect on each azimuth is shown in the last column. The absolute value is employed so as to gauge the magnitude of the potential effect. Because the phase can vary depending on the actual installation and environmental effects, it is much more difficult to accurately predict phase relationship as compared to the magnitude of the potential radiation change.

Based on the results, the predicted maximum change in the KTBB daytime pattern is 10.4% and the predicted maximum change in the KTBB nighttime

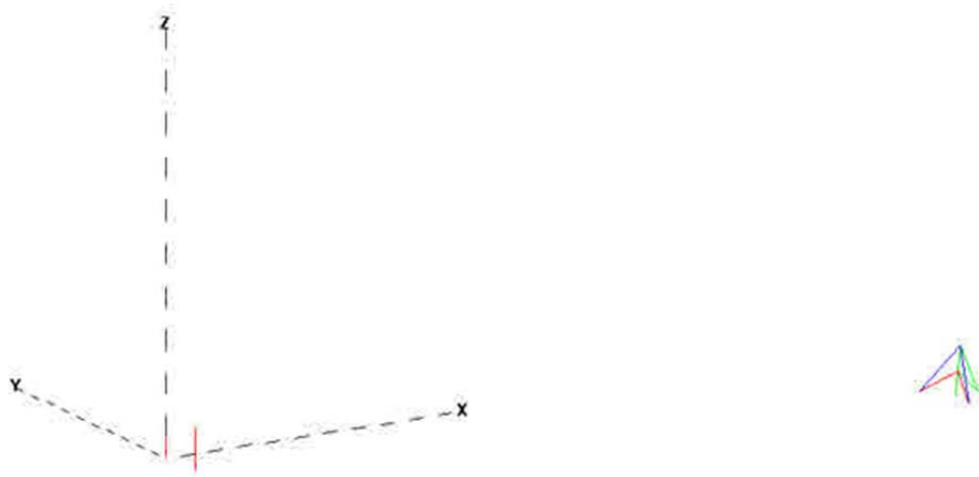
pattern is 60.8%. These results indicate that the proposed tower structure is likely to have a significant effect on the KTBB daytime and nighttime patterns as to cause radiation to exceed the KTBB licensed standard/augmented patterns.

Conclusion

Based on the MININEC model method of moments analysis of the proposed KGLY tower, it appears likely that a detuning apparatus will be necessary to meet the FCC requirements for protection of the KTBB antenna system.

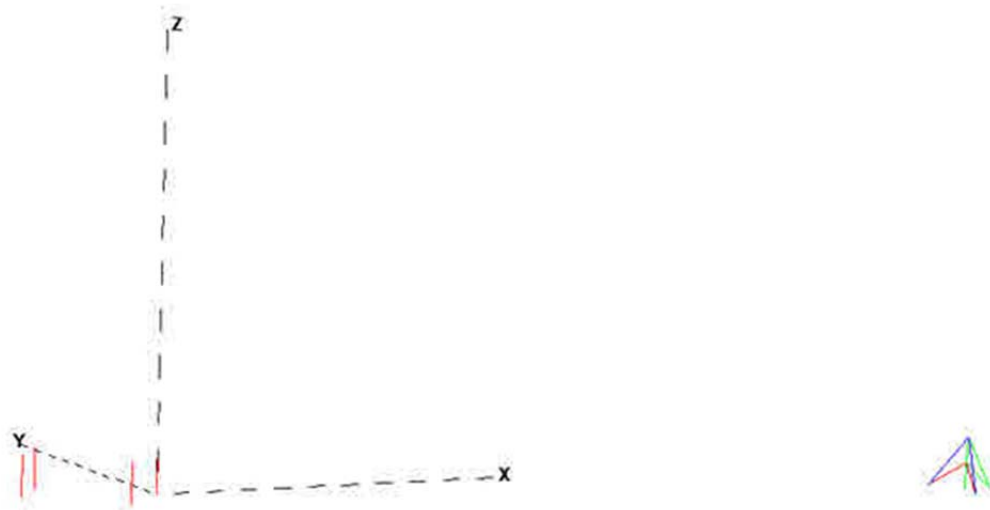
ENGINEERING REPORT
EVALUATION OF ELECTROMAGNETIC EFFECTS
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Perspective View of the MININEC Daytime Model



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Perspective View of the MININEC Nighttime Model



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Tabulation and Analysis of KTBB Daytime Pattern

Azimuth (deg. true)	KTBB Undisturbed Daytime Pattern (mV/m at 1 km)	KTBB with Proposed KGLY Tower (mV/m at 1 km)	Change in Daytime Pattern (dB)	Percent Change Relative to Undisturbed Pattern
0	728.7	691.4	-0.46	5.1%
5	754.2	732.4	-0.26	2.9%
10	777.3	765.7	-0.13	1.5%
15	797.8	787.1	-0.12	1.3%
20	815.4	796.3	-0.21	2.3%
25	830.2	796.1	-0.36	4.1%
30	842.2	797.8	-0.47	5.3%
35	851.6	821.4	-0.31	3.5%
40	858.7	872.4	0.14	1.6%
45	863.7	908.6	0.44	5.2%
50	867.0	876.6	0.10	1.1%
55	868.9	825.7	-0.44	5.0%
60	869.9	874.6	0.05	0.5%
65	870.2	911.4	0.40	4.7%
70	870.1	836.3	-0.34	3.9%
75	869.9	869.9	0.00	0.0%
80	869.7	905.3	0.35	4.1%
85	869.6	826.6	-0.44	4.9%
90	869.7	901.8	0.32	3.7%
95	869.9	866.3	-0.04	0.4%
100	870.1	850.6	-0.20	2.2%
105	870.2	910.7	0.39	4.7%
110	869.9	827.1	-0.44	4.9%
115	868.9	900.3	0.31	3.6%
120	867.0	866.5	-0.01	0.1%
125	863.7	835.7	-0.29	3.2%
130	858.7	903.4	0.44	5.2%

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135	851.6	827.0	-0.25	2.9%
140	842.2	823.8	-0.19	2.2%
145	830.2	874.7	0.45	5.4%
150	815.4	811.0	-0.05	0.5%
155	797.8	754.0	-0.49	5.5%
160	777.3	781.7	0.05	0.6%
165	754.2	797.7	0.49	5.8%
170	728.7	758.4	0.35	4.1%
175	701.3	694.5	-0.08	1.0%
180	672.3	638.8	-0.44	5.0%
185	642.5	598.9	-0.61	6.8%
190	612.5	567.6	-0.66	7.3%
195	583.0	538.4	-0.69	7.7%
200	554.9	510.4	-0.73	8.0%
205	528.7	489.3	-0.67	7.5%
210	505.0	484.4	-0.36	4.1%
215	484.4	497.9	0.24	2.8%
220	467.0	508.9	0.75	9.0%
225	452.9	481.8	0.54	6.4%
230	442.0	415.7	-0.53	6.0%
235	434.0	401.5	-0.68	7.5%
240	428.4	462.1	0.66	7.9%
245	424.7	444.4	0.39	4.6%
250	422.4	379.7	-0.93	10.1%
255	421.1	448.9	0.55	6.6%
260	420.5	433.1	0.26	3.0%
265	420.3	385.2	-0.76	8.4%
270	420.5	464.1	0.86	10.4%
275	421.1	391.7	-0.63	7.0%

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280	422.4	433.9	0.23	2.7%
285	424.7	443.0	0.37	4.3%
290	428.4	393.9	-0.73	8.0%
295	434.0	478.0	0.84	10.1%
300	442.0	408.0	-0.70	7.7%
305	452.9	464.4	0.22	2.5%
310	467.0	492.4	0.46	5.4%
315	484.4	440.3	-0.83	9.1%
320	505.0	532.6	0.46	5.5%
325	528.7	551.3	0.36	4.3%
330	554.9	511.5	-0.71	7.8%
335	583.0	577.5	-0.08	0.9%
340	612.5	655.6	0.59	7.0%
345	642.5	665.2	0.30	3.5%
350	672.3	648.4	-0.31	3.6%
355	701.3	656.3	-0.58	6.4%

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0	249.4	248.2	-0.04	0.5%
5	167.3	168.7	0.07	0.9%
10	106.7	108.3	0.13	1.5%
15	72.5	71.4	-0.13	1.5%
20	62.8	57.6	-0.75	8.2%
25	62.6	55.8	-1.00	10.8%
30	60.4	56.1	-0.65	7.2%
35	54.2	55.5	0.20	2.3%
40	46.6	53.0	1.11	13.7%
45	40.4	47.1	1.32	16.5%
50	35.2	34.8	-0.09	1.0%
55	26.6	20.3	-2.34	23.7%
60	11.2	18.0	4.13	60.8%
65	27.1	20.4	-2.47	24.7%
70	74.7	80.4	0.64	7.7%
75	140.1	139.1	-0.07	0.8%
80	221.9	218.8	-0.12	1.4%
85	317.1	323.2	0.17	1.9%
90	421.2	414.3	-0.14	1.6%
95	528.4	534.6	0.10	1.2%
100	632.2	628.0	-0.06	0.7%
105	725.6	727.5	0.02	0.3%
110	802.0	803.1	0.01	0.1%
115	855.6	851.7	-0.04	0.5%
120	882.2	888.4	0.06	0.7%
125	879.6	872.6	-0.07	0.8%

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130	847.4	852.3	0.05	0.6%
135	787.8	787.7	0.00	0.0%
140	704.9	699.3	-0.07	0.8%
145	604.6	610.9	0.09	1.0%
150	494.5	495.1	0.01	0.1%
155	383.3	376.1	-0.17	1.9%
160	282.2	280.6	-0.05	0.6%
165	205.7	210.6	0.20	2.4%
170	170.8	177.2	0.32	3.8%
175	177.4	182.9	0.27	3.1%
180	199.9	203.4	0.15	1.7%
185	217.9	218.9	0.04	0.5%
190	223.2	222.7	-0.02	0.2%
195	215.3	214.4	-0.04	0.4%
200	197.5	197.3	-0.01	0.1%
205	176.7	178.2	0.07	0.8%
210	162.9	166.7	0.20	2.3%
215	165.7	171.8	0.31	3.7%
220	186.2	192.0	0.27	3.1%
225	216.2	215.8	-0.01	0.2%
230	245.6	238.6	-0.25	2.9%
235	266.5	266.1	-0.01	0.2%
240	273.0	279.6	0.21	2.4%
245	260.7	256.2	-0.15	1.8%
250	227.1	226.0	-0.04	0.5%
255	171.5	176.8	0.27	3.1%
260	98.8	92.3	-0.59	6.5%
265	63.9	67.7	0.49	5.8%

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270	157.7	156.0	-0.09	1.0%
275	287.4	290.7	0.10	1.2%
280	427.5	422.1	-0.11	1.3%
285	568.6	574.9	0.10	1.1%
290	702.6	695.5	-0.09	1.0%
295	822.2	828.1	0.06	0.7%
300	920.7	916.6	-0.04	0.4%
305	992.9	993.1	0.00	0.0%
310	1035.2	1039.0	0.03	0.4%
315	1045.7	1038.8	-0.06	0.7%
320	1024.8	1030.2	0.04	0.5%
325	974.6	975.5	0.01	0.1%
330	898.9	892.0	-0.07	0.8%
335	803.0	805.9	0.03	0.4%
340	693.2	699.6	0.08	0.9%
345	576.4	574.8	-0.02	0.3%
350	459.3	452.4	-0.13	1.5%
355	348.4	343.2	-0.13	1.5%