

11/22/16 *amend*

Federal Communications Commission Washington, D.C. 20554 <p style="text-align: center;">FCC 301</p>	Approved by OMB 3060-0027 (July 2011) FOR FCC USE ONLY
APPLICATION FOR CONSTRUCTION PERMIT FOR COMMERCIAL BROADCAST STATION Read INSTRUCTIONS Before Filling Out Form	FOR COMMISSION USE ONLY FILE NO. BP - 20160818AAE

Section I - General Information

1.	Legal Name of the Applicant SALT OF THE EARTH BROADCASTING, INC.	
	Mailing Address 4638 DECKER DRIVE	
	City BAYTOWN	State or Country (if foreign address) TX
		ZIP Code 77520 -
	Telephone Number (include area code) 2818377750	E-Mail Address (if available)
	FCC Registration Number: 0008703548	Call Sign KWWJ
		Facility ID Number 58724
2.	Contact Representative (if other than Applicant) BARRY A. FRIEDMAN	Firm or Company Name THOMPSON HINE LLP
	Mailing Address SUITE 700 1919 M STREET, N.W.	
	City WASHINGTON	State or Country (if foreign address) DC
		ZIP Code 20036 -
	Telephone Number (include area code) 20233 18800	E-Mail Address (if available) BARRY.FRIEDMAN@THOMPSONHINE.COM
3.	If this application has been submitted without a fee, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114): <input type="radio"/> Governmental Entity <input checked="" type="radio"/> Other AMENDMENT <input type="radio"/> N/A (Fee Required)	
4.	Application Purpose <input type="radio"/> New station <input type="radio"/> Major Modification of construction permit <input type="radio"/> Minor Modification of construction permit <input type="radio"/> Major Amendment to pending application <input type="radio"/> New Station with Petition for Rulemaking or Counterproposal to Amend FM Table of Allotments <input type="radio"/> Major Change in licensed facility <input type="radio"/> Minor Change in licensed facility <input checked="" type="radio"/> Minor Amendment to pending application (a) File number of original construction permit: BP-20160818AAE <input type="checkbox"/> NA (b) Service Type: <input checked="" type="radio"/> AM <input type="radio"/> FM (c) Community of License: City: BAYTOWN State: TX (d) Facility Type <input checked="" type="radio"/> Main <input type="radio"/> Auxiliary	
	If an amendment, submit as an Exhibit a listing by Section and Question Number the portions of the pending application that are being revised. [Exhibit 1]	

NOTE: In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.

Section II - Legal

1.	<p>Certification. Applicant certifies that it has answered each question in this application based on its review of the application instructions and worksheets. Applicant further certifies that where it has made an affirmative certification below, this certification constitutes its representation that the application satisfies each of the pertinent standards and criteria set forth in the application instructions and worksheets.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>
2.	<p>Parties to the Application.</p> <p>a. List the applicant, and, if other than a natural person, its officers, directors, stockholders with attributable interests, non-insulated partners and/or members. If a corporation or partnership holds an attributable interest in the applicant, list separately its officers, directors, stockholders with attributable interests, non-insulated partners and/or members. Create a separate row for each individual or entity. Attach additional pages if necessary.</p> <p>(1) Name and address of the applicant and each party to the application holding an attributable interest (if other than individual also show name, address and citizenship of natural person authorized to vote the stock or holding the attributable interest). List the applicant first, officers next, then directors and, thereafter, remaining stockholders and other entities with attributable interests, and partners.</p> <p>(2) Citizenship.</p> <p>(3) Positional Interest: Officer, director, general partner, limited partner, LLC member, investor/creditor attributable under the Commission's equity/debt plus standard, etc.</p> <p>(4) Percentage of votes.</p> <p>(5) Percentage of total assets (equity plus debt).</p> <p>[Enter Parties/Owners Information]</p>	
	<p>b. Applicant certifies that equity and financial interests not set forth above are non-attributable.</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A See Explanation in [Exhibit 2]</p>
3.	<p>Other Authorizations. List call signs, locations, and facility identifiers of all other broadcast stations in which applicant or any party to the application has an attributable interest.</p>	<p><input type="checkbox"/> N/A [Exhibit 3]</p>
4.	<p>Multiple Ownership.</p> <p>a. Is the applicant or any party to the application the holder of an attributable radio joint sales agreement or an attributable radio or television time brokerage agreement in the same market as the station subject to this application? If "YES," radio applicants must submit as an Exhibit a copy of each such agreement for radio stations.</p> <p>b. Applicant certifies that the proposed facility complies with the Commission's multiple ownership rules and cross-ownership rules. Radio applicants only: If "Yes," submit an Exhibit providing information regarding the market, broadcast station(s), and other information necessary to demonstrate compliance with 47 C.F.R. § 73.3555(a). All Applicants: If "No," submit as an Exhibit a detailed explanation in support of an exemption from, or waiver of, 47 C.F.R. § 73.3555.</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No [Exhibit 4]</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No [Exhibit 5]</p>

<p>c. Applicant certifies that the proposed facility:</p> <p>(1) does not present an issue under the Commission's policies relating to media interests of immediate family members;</p> <p>(2) complies with the Commission's policies relating to future ownership interests; and</p> <p>(3) complies with the Commission's restrictions relating to the insulation and non-participation of non-party investors and creditors.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 6]</p>
<p>d. Does the Applicant claim status as an "eligible entity," that is, an entity that qualifies as a small business under the Small Business Administration's size standards for its industry grouping (as set forth in 13 C.F.R. § 121-201), and holds:</p> <p>(1) 30 percent or more of the stock or partnership interests and more than 50 percent of the voting power of the corporation or partnership that will own the media outlet; or</p> <p>(2) 15 percent or more of the stock or partnership interests and more than 50 percent of the voting power of the corporation or partnership that will own the media outlet, provided that no other person or entity owns or controls more than 25 percent of the outstanding stock or partnership interests; or</p> <p>(3) more than 50 percent of the voting power of the corporation that will own the media outlet (if such corporation is a publicly traded company)?</p> <p>All applicants: If "Yes," submit as an Exhibit a detailed showing demonstrating proof of status as an eligible entity.</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No See Explanation in [Exhibit 7]</p>
<p>5. Character Issues. Applicant certifies that neither applicant nor any party to the application has or has had any interest in or connection with:</p> <p>a. any broadcast application in any proceeding where character issues were left unresolved or were resolved adversely against the applicant or party to the application; or</p> <p>b. any pending broadcast application in which character issues have been raised.</p>	<p><input type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 8]</p>
<p>6. Adverse Findings. Applicant certifies that, with respect to the applicant and any party to the application, no adverse finding has been made, nor has an adverse final action been taken by any court or administrative body in a civil or criminal proceeding brought under the provisions of any law related to any of the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another government unit; or discrimination.</p>	<p><input type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 9]</p>
<p>7. Alien Ownership and Control. Applicant certifies that it complies with the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 10]</p>
<p>8. Program Service Certification. Applicant certifies that it is cognizant of and will comply with its obligations as a commission licensee to present a program service responsive to the issues of public concern facing the station's community of license and service area.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
<p>9. Local Public Notice. Applicant certifies that it has or will comply with the public notice requirements of 47 C.F.R. Section 73.3580.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
<p>10. Auction Authorization. If the application is being submitted to obtain a construction permit for which the applicant was the winning bidder in an auction, then the applicant certifies, pursuant to 47 C.F.R. Section 73.5005(a), that it has attached an exhibit containing the information required by 47 C.F.R. Sections 1.2107(d), 1.2110(i), 1.2112(a) and 1.2112(b), if applicable.</p> <p>An exhibit is required unless this question is inapplicable.</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A [Exhibit 11]</p>
<p>11. Anti-Drug Abuse Act Certification. Applicant certifies that neither applicant nor any party to the application is subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>
<p>12. Equal Employment Opportunity (EEO). If the applicant proposes to employ five or more full-time employees, applicant certifies that it is filing simultaneously with this application a Model EEO Program Report on FCC Form 396-A.</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A</p>

13.	Petition for Rulemaking/Counterproposal to Add New FM Channel to FM Table of Allotments. If the application is being submitted concurrently with a Petition for Rulemaking or Counterproposal to Amend the FM Table of Allotments (47 C.F.R. section 73.202) to add a new FM channel allotment, petitioner/counter-proponent certifies that, if the FM channel allotment requested is allotted, petitioner/counter-proponent will apply to participate in the auction of the channel allotment requested and specified in this application.	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
14.	Tribal Priority - Threshold Qualifications. Is the Applicant applying for an FM allotment set forth in a Public Notice announcing a Tribal Threshold Qualifications window? An Applicant answering "Yes" must provide an Exhibit demonstrating that it would have been qualified to add the allotment for which it is applying using the Tribal Priority.	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A [Exhibit 12]

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

Typed or Printed Name of Person Signing DARRELL MARTIN	Typed or Printed Title of Person Signing PRESIDENT
Signature	Date 11/22/2016

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

SECTION III-A - AM Engineering	
TECHNICAL SPECIFICATIONS	
Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.	
TECH BOX	
1.	Frequency: 1360 kHz
2.	Class (select one): <input type="radio"/> A <input checked="" type="radio"/> B <input type="radio"/> C <input type="radio"/> D
3.	Hours of Operation: <input checked="" type="radio"/> Unlimited <input type="radio"/> Limited <input type="radio"/> Daytime <input type="radio"/> Share Time <input type="radio"/> Specified Hours:
4.	Daytime: <input checked="" type="radio"/> Yes <input type="radio"/> No [Daytime Operation]
4. Daytime Operation	
a. Power: 5 kW	
b. Antenna Location Coordinates: (NAD 27) Latitude: Degrees 29 Minutes 46 Seconds 29 <input checked="" type="radio"/> North <input type="radio"/> South Longitude: Degrees 95 Minutes 0 Seconds 55 <input checked="" type="radio"/> West <input type="radio"/> East	

c. and d.

Complete the appropriate following items. If additional space is needed, please provide the information requested below in an Exhibit. [Exhibit 24]

Nondirectional Directional

Theoretical RMS: 728.9 mV/m per kW at 1 km (Nondirectional)
mV/m at 1 km (Directional)

Standard RMS: 767.3 mV/m at 1 km (Directional Only)

[Nondirectional Tower Subform]

or

[Directional Towers Subform]

4d. Directional Towers:

Tower Number	1
Overall height above ground (include obstruction lighting) (meters)	66.4
Antenna structure registration	Number: 1064960 <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not Applicable
Is this tower:	<input type="radio"/> (a) Top-loaded <input type="radio"/> (b) Sectionalized <input checked="" type="radio"/> (c) Neither
Height of radiator above base insulator, or above base, if grounded (meters)	64
Electrical height of radiator	104.5
Field ratio	1
Phase (degrees)	0
Spacing (degrees)	0
Tower orientation (degrees CW from True North)	0
Tower reference switch	0
Top-Loaded/Sectionalized apparent height (degrees)	
A	
B	
C	

D	
---	--

Tower Number	2
Overall height above ground (include obstruction lighting) (meters)	66.7
Antenna structure registration	Number: 1064961 <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not Applicable
Is this tower:	<input type="radio"/> (a) Top-loaded <input type="radio"/> (b) Sectionalized <input checked="" type="radio"/> (c) Neither
Height of radiator above base insulator, or above base, if grounded (meters)	64
Electrical height of radiator	104.5
Field ratio	1.08
Phase (degrees)	166.5
Spacing (degrees)	54
Tower orientation (degrees CW from True North)	131
Tower reference switch	0
Top-Loaded/Sectionalized apparent height (degrees)	
A	
B	
C	
D	

Tower Number	3
Overall height above ground (include obstruction lighting) (meters)	66.7
Antenna structure registration	Number: 1290578 <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not Applicable
Is this tower:	<input type="radio"/> (a) Top-loaded <input type="radio"/> (b) Sectionalized <input checked="" type="radio"/> (c) Neither
Height of radiator above base insulator, or above base, if grounded (meters)	64
Electrical height of radiator	104.5

Field ratio	0.35
Phase (degrees)	-40
Spacing (degrees)	136
Tower orientation (degrees CW from True North)	123
Tower reference switch	0
Top-Loaded/Sectionalized apparent height (degrees)	
A	
B	
C	
D	

Augmented: Yes No

If "yes," complete the following:

Augmented RMS: mV/m at 1 km

[Augmentations Subform]

5. **Nighttime:** Yes No
[Nighttime Operation?]

5. Nighttime Operation

a. Power: 0.8 kW

b. Antenna Location Coordinates: (NAD 27)

Latitude:

Degrees 29 Minutes 46 Seconds 29 North South

Longitude:

Degrees 95 Minutes 0 Seconds 55 West East

c. and d.

Complete the appropriate following items. If additional space is needed, please provide the information requested below in an Exhibit. [Exhibit 25]

Nondirectional Directional

Theoretical RMS: 297.6 mV/m per kW at 1 km (Nondirectional)
mV/m at 1 km (Directional)

Standard RMS: 313

mV/m at 1 km (Directional Only)

[Nondirectional Tower Subform]

or

[Directional Towers Subform]

5d. Directional Towers:

Tower Number	1
Overall height above ground (include obstruction lighting) (meters)	66.7
Antenna structure registration	Number: 1064961 <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not Applicable
Is this tower:	<input type="radio"/> (a) Top-loaded <input type="radio"/> (b) Sectionalized <input checked="" type="radio"/> (c) Neither
Height of radiator above base insulator, or above base, if grounded (meters)	64
Electrical height of radiator (degrees)	104.5
Field ratio	1
Phase (degrees)	0
Spacing (degrees)	15.9
Tower orientation (degrees CW from True North)	278
Tower reference switch	0
Top-Loaded/Sectionalized apparent height (meters)	
	A
	B
	C
	D

Tower Number	2
Overall height above ground (include obstruction lighting) (meters)	66.4

Antenna structure registration	Number: 1064960 <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not Applicable
Is this tower:	<input type="radio"/> (a) Top-loaded <input type="radio"/> (b) Sectionalized <input checked="" type="radio"/> (c) Neither
Height of radiator above base insulator, or above base, if grounded (meters)	64
Electrical height of radiator (degrees)	104.5
Field ratio	0.5
Phase (degrees)	166
Spacing (degrees)	68
Tower orientation (degrees CW from True North)	303
Tower reference switch	0
Top-Loaded/Sectionalized apparent height (meters)	
A	
B	
C	
D	

Tower Number	3
Overall height above ground (include obstruction lighting) (meters)	66.7
Antenna structure registration	Number: 1290578 <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not Applicable
Is this tower:	<input type="radio"/> (a) Top-loaded <input type="radio"/> (b) Sectionalized <input checked="" type="radio"/> (c) Neither
Height of radiator above base insulator, or above base, if grounded (meters)	64
Electrical height of radiator (degrees)	104.5
Field ratio	0.5
Phase (degrees)	-146
Spacing (degrees)	68
Tower orientation (degrees CW from True North)	123
Tower reference switch	0
Top-Loaded/Sectionalized apparent height (meters)	

	A	
	B	
	C	
	D	

Augmented: Yes No

If "yes," complete the following:

Augmented RMS: 313.6 mV/m at 1 km

[Augmentations Subform]

Augmentations:

Azimuth (degrees)	Span (degrees)	Augmentation radiation (mV/m at 1 km)
213	30	79.2

Azimuth (degrees)	Span (degrees)	Augmentation radiation (mV/m at 1 km)
228	34	72

Azimuth (degrees)	Span (degrees)	Augmentation radiation (mV/m at 1 km)
245	34	46.1

6. **Critical Hours Operation:** Yes No
 [Critical Hours Operation]

NOTE: In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.

CERTIFICATION

<p>7. Broadcast Facility. The proposed facility complies with the engineering standards and assignment requirements of requirements of 47 C.F.R. Sections 73.24(e), 73.24(g), 73.33, 73.45, 73.150, 73.152, 73.160, 73.182(a)-(i), 73.186, 73.189, 73.1650. Exhibit Required</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 13]</p>
<p>8. Community Coverage. The proposed facility complies with community coverage requirements of 47 C.F.R. Section 73.24(i).</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 14]</p>

9.	<p>Main Studio Location. The proposed main studio location complies with requirements of 47 C.F.R. Section 73.1125.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 15]</p>
10.	<p>Interference. The proposed facility complies with all of the following applicable rule sections. Check all those that apply. An exhibit is required for each applicable section.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 16]</p>
	<p>Groundwave. <input checked="" type="checkbox"/> a.) 47 C.F.R. Section 73.37.</p>	<p>[Exhibit 17]</p>
	<p>Skywave. <input checked="" type="checkbox"/> b.) 47 C.F.R. Section 73.182.</p>	<p>[Exhibit 18]</p>
	<p>Critical Hours. <input type="checkbox"/> c.) 47 C.F.R. Section 73.187.</p>	<p>[Exhibit 19]</p>
11.	<p>Environmental Protection Act. The proposed facility is excluded from environmental processing under 47 C.F.R. Section 1.1306 (i.e., The facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments). Unless the applicant can determine compliance through the use of the RF worksheets in Appendix A, an Exhibit is required.</p> <p>By checking "Yes" above, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 20]</p>
12.	<p>Community of License Change - Section 307(b). If the application is being submitted to change the facility's community of license, then the applicant certifies that it has attached an exhibit containing information demonstrating that the proposed community of license change constitutes a preferential arrangement of station assignments under Section 307(b) of the Communications Act of 1934, as amended (47 U.S.C. Section 307(b)).</p> <p>An exhibit is required unless this question is not applicable.</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A</p> <p>[Exhibit 21]</p>
13.	<p>Dispositive Section 307(b) Preference.</p>	
	<p>a. Was the AM facility that is the subject of this application awarded on the basis of a dispositive Section 307(b) preference?</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>
	<p>b. If yes to 13(a), applicant certifies that: (i) the community of license proposed in the subject application is the same as that on which the Section 307(b) preference was based, or (ii) as shown in the attached Exhibit, the service area proposed in the subject application is substantially equivalent to the service area on which the Section 307(b) preference was based.</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A</p> <p>See Explanation in [Exhibit 22]</p>
	<p>c. If yes to 13(a) and no to 13(b), applicant certifies that, although in the subject application it proposes to: (i) change the community of license, or (ii) modify service to the area on which the Section 307(b) preference was based, it has for a period of four years of on-air operations: (1) served the community of license, or (2) provided full service to the area on which the Section 307(b) preference was based.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 23]</p>

PREPARERS CERTIFICATION ON PAGE 3 MUST BE COMPLETED AND SIGNED.

SECTION III - PREPARER'S CERTIFICATION

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name MICHAEL D. RHODES, P.E.		Relationship to Applicant (e.g., Consulting Engineer) CONSULTING ENGINEER	
Signature		Date 11/22/2016	
Mailing Address CAVELL, MERTZ & ASSOCIATES, INC. 7724 DONEGAN DR.			
City MANASSAS		State or Country (if foreign address) VA	Zip Code 20109 -
Telephone Number (include area code) 7033929090		E-Mail Address (if available) MIKE.RHODES@CAVELLMERTZ.COM	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

Exhibits

Exhibit 1

Description: BASIS FOR AMENDMENT

THIS AMENDMENT SERVES TO DELETE CERTAIN AUGMENTATIONS SO THE STANDARD RADIATION PATTERN IS NOT NEGATIVELY REDUCED. EXHIBIT 13-FIGURES 6 & 7 AND TABLE I HAVE BEEN UPDATED TO SHOW THE CORRECT AUGMENTATIONS.

Attachment 1

Exhibit 5

Description: RESPONSE

IN ADDITION TO HIS OWNERSHIP AND CONTROL OF STATION KKWJ, THE PRINCIPAL OF SALT OF THE EARTH BROADCASTING, INC. OWNS AND CONTROLS MARTIN BROADCASTING, INC. ('MBI') IN THE HOUSTON RADIO MARKET, AS DETERMINED BY NIELSEN AUDIO AND REPORTED BY BIA/KELSEY, MBI IS THE LICENSEE OF STATION KYOK(AM), CONROE, TEXAS (FIN: 40484). ACCORDING TO NIELSEN AUDIO AS REPORTED BY BIA/KELSEY, THERE ARE MORE THAN 45 COMMERCIAL AND NON-COMMERCIAL RADIO STATIONS IN THE HOUSTON RADIO MARKET. PURSUANT TO SECTION 73.3555(A)(1)(I) OF THE COMMISSION'S RULES, THE OWNERSHIP AND CONTROL OF TWO RADIO STATIONS IN A RADIO MARKET WITH MORE THAN 45 RADIO STATIONS COMPLIES WITH THE FCC'S LOCAL RADIO MULTIPLE OWNERSHIP RULES.

Attachment 5

Exhibit 13

Description: EXHIBIT 13: COMPREHENSIVE ENGINEERING EXHIBIT - AMENDED

ATTACHED AS A PDF FILE. AMENDMENTS TO FIGURES 6 AND 7, AND TABLE I TO SPECIFY ADJUSTED PATTERN AUGMENTATIONS.

Attachment 13

Description

Exhibit 13 - Comprehensive Engineering Exhibit - Amended

AMENDED ENGINEERING EXHIBIT
APPLICATION FOR CONSTRUCTION PERMIT

prepared for

Salt of the Earth Broadcasting, Inc.
KWWJ(AM) Baytown, Texas
Facility ID 58724
1360 kHz 5 kW/0.8 kW DA-2 U

Table of Contents

FCC Form 301, Section III-A

Exhibit 13	Comprehensive Engineering Statement
Figure 1	Tower Survey
Figure 2	Daytime Antenna Radiation Pattern Plot
Figure 3	Daytime Cochannel Allocations Map
Figure 4	Daytime 1 st Adjacent Channel Allocations Map
Figure 5	Daytime 2 nd Adjacent Channel Allocations Map
Figure 6	Nighttime Antenna Radiation Pattern Plot - Amended
Figure 7	Nighttime Community Coverage - Amended
Table I	Nighttime Allocations Study - Amended

This material supplies a "hard copy" of the engineering portions of this application as entered November 22, 2016 for filing electronically. The FCC's electronic filing system may be accessed by anyone with the applicant's name and password, and electronic data may otherwise be altered in an unauthorized fashion. We cannot be responsible for changes made subsequent to our entry of this data and related attachments.

Exhibit 13
COMPREHENSIVE ENGINEERING EXHIBIT
prepared for
Salt of the Earth Broadcasting, Inc.
KWWJ(AM) Baytown, Texas
Facility ID 58724
1360 kHz 5 kW/0.8 kW DA-2 U

Salt of the Earth Broadcasting, Inc. ("*SEBI*"), is the licensee of Station KWWJ(AM), 1360 kHz, at Baytown, Texas. KWWJ operates from a directional antenna array utilizing different day and night directional patterns. A recent geographical site survey (attached as **Exhibit 13-Figure 1**) was undertaken in an effort to reduce the tower lighting requirements and associated operational and maintenance costs. The survey, instead, revealed unexpected coordinate and tower height discrepancies between the license and the long-built towers.

The FAA has been notified of the coordinate correction and an updated Determination of No Hazard has been issued for all three towers.¹ The Antenna Structure Registrations ("ASR") for all towers have been modified to show the corrected coordinates and heights. The corresponding ASR Numbers for each tower are shown in the Tech Box portion of FCC Form 301. *SEBI* now seeks to modify its Station license for the purpose of correcting geographic coordinates of the center of the KWWJ array and the radiation height of the three structures.

It is not known when these discrepancies first occurred. The last known tower construction was performed in 1985 by the prior licensee when two of the three towers were replaced after being damaged by the effects of a hurricane (see BL-19850903AF). *SEBI* has made no physical changes to the towers since it became the licensee in 1988. *SEBI* also relied on the original tower descriptions in the license documentation in its daytime power increase construction permit and subsequent license application and proof of performance (see BL-19960503AD.)

There are no physical changes to the KWWJ antenna system or tower parameters proposed herein. The operating parameters, with the exception of the nighttime power reduction, are the same as those currently licensed. Therefore, it is respectfully requested that the construction permit sought by this application not be conditioned on a proof of performance. The most recent full proof of performance for the daytime pattern was filed as BL-19960503AD after the daytime power was increased to 5 kW with no change in the nighttime operation. As mentioned above, the most recent

Exhibit 13
COMPREHENSIVE ENGINEERING EXHIBIT
(page 2 of 5)

proof of performance for the nighttime pattern was filed as BL-19850903AF by the prior licensee after reconstruction of two towers resulting from significant hurricane damage.

Corrected Coordinates

When converted to NAD27 and rounded to the nearest whole second, the recent site survey revealed differences of approximately one-second latitude between the actual and licensed KWWJ coordinates. The surveyed geographic coordinates of the center tower (Tower 2) are being used as the coordinates of the array. This results in an apparent minor move in a northerly direction. The licensed and corrected coordinates are shown below:

<u>Licensed Coordinates</u>	<u>Corrected Coordinates</u>
29° 46' 28" North Latitude	29° 46' 29" North Latitude
95° 00' 55" West Longitude	95° 00' 55" West Longitude
<u>(NAD 27 Datum)</u>	<u>(NAD 27 Datum)</u>

Corrected Tower Height

The KWWJ license shows the height of the center tower to be 5 feet (3.1 electrical degrees) taller than the outside towers. As part of the tower survey *SEBI* was surprised to learn that the radiation height for all three towers appears to be essentially the same. Further, the radiation height was calculated to be slightly *taller* than the licensed height of 99.6° and 102.1°. That was determined from the tower surveyed elevations shown in **Exhibit 13-Figure 1**. When rounded to the nearest foot and subtracting the 1 foot base insulator height, the height of the tower structures (not including the navigation beacon and lightning rod) is calculated to be 210 feet². At this height the new electrical height is 104.5°. Thus all calculations for the operation of the station herein have been performed at 104.5°.

Since there is a proposed change in tower height, daytime and nighttime allocations studies were performed. Using the corrected coordinates and tower height, stations with existing daytime contour overlap are not materially worsened and no new contour overlap is created by this coordinate

¹ See FAA Study Numbers: 2014-ASW-8504-OE, 2014-ASW-8505-OE, and 2014-ASW-8506-OE.

² Due to rounding small fractions of a foot in the Tower Survey, Tower 1 radiation height computes to 209 feet. For consistency in this application, all towers are assumed to be the 210' in height.

Exhibit 13
COMPREHENSIVE ENGINEERING EXHIBIT
 (page 3 of 5)

correction. The nighttime allocations studies revealed an increased tower height results in a calculated increase in interference to a Mexican facility. Therefore a *reduction* in nighttime operating power from 1.0 kW to 0.8 kW is proposed herein and no coordination with the Mexican government is required. This power reduction also eliminates all calculated interference increases to all domestic facilities as well.

Daytime Allocations

Pertinent nearby stations operating on cochannel and adjacent channels are shown in **Exhibit 13-Figures 3, 4, and 5**. There is no cognizable change in the contour locations, consequently the licensed contours have not been drawn on the attached exhibits. A computer program was used to calculate the area of overlap, excluding the water, for each station where overlap is shown. This land area was compared to the contour overlap land area of the licensed facility. The changes are shown in the "Delta" column of the table below. As shown, the changes in area are de minimis when compared to the overlap area and the larger protected coverage area.

<u>Callsign</u>	<u>Frequency</u>	<u>Protected Contour Total Land Area (sq. km)</u>	<u>Interference from KWWJ Contour Overlap Area (sq. km)</u>			<u>Delta as a Percentage of Total Coverage Area</u>
			<u>Licensed</u>	<u>Proposed</u>	<u>Delta</u>	
KKTX(Lic)	1360	26,860 (0.5 mV/m)	5,420	5,508	88	0.3%
KNIR(Lic)	1360	11,924 (0.5 mV/m)	4,656	4,724	68	0.6%
KCOX(Lic)	1350	20,085 (0.5 mV/m)	1,905	1,949	44	0.2%
KJCE(Lic)	1370	30,839 (0.5 mV/m)	677	719	42	0.1%
KRCM(Lic)	1380	3,509 (5.0 mV/m)	527	539	12	0.3%
KRCM(App)	1380	3,509 (5.0 mV/m)	527	539	12	0.3%

<u>Callsign</u>	<u>Frequency</u>	<u>KWWJ Protected Contour Total Land Area (sq. km)</u>	<u>Interference to KWWJ Contour Overlap Area (sq. km)</u>			<u>Delta as a Percentage of Total Coverage Area</u>
			<u>Licensed</u>	<u>Proposed</u>	<u>Delta</u>	
KKTX(Lic)	1360	27,509 (0.5 mV/m)	12,348	12,320	-28	---
KNIR(Lic)	1360	27,509 (0.5 mV/m)	6,564	6,596	32	0.1%
KCOX(Lic)	1350	27,509 (0.5 mV/m)	3,450	3,496	46	0.2%
KJCE(Lic)	1370	27,509 (0.5 mV/m)	291	314	23	0.1%
KRCM(Lic)	1380	6,786 (5.0 mV/m)	527	539	12	0.2%
KRCM(App)	1380	6,786 (5.0 mV/m)	527	539	12	0.2%

Exhibit 13
COMPREHENSIVE ENGINEERING EXHIBIT
(page 4 of 5)

Nighttime Coverage and Allocations Considerations

The calculated nighttime interference free signal level for KWWJ continues to be 13.8 mV/m. Though no longer required under Section 73.24 of the Commission's rules, **Exhibit 13-Figure 7** shows that the 13.8 mV/m NIF contour of the proposed 0.8 kW operation clearly continues to cover the entire community of Baytown.

The results of a night study showing the required protection to each pertinent station as well as the proposed radiation and the resulting difference ("margin") are shown in **Exhibit 13-Table I**. Note that positive margin is where the required protection exceeds the proposed radiation. Additional information on the night study can be provided upon request.

It is believed that the proposed nighttime operation complies with all domestic and international allocations rules and policies.

Changes to Nighttime Monitor Point Limits

The following table lists the licensed monitor point limits as well as the suggested monitor point limits for the proposed 0.8 kW operation.

<u>Azimuth</u>	<u>Distance from Transmitter (km)</u>	<u>Licensed Maximum Field Strength (mV/m)</u>	<u>Proposed Maximum Field Strength (mV/m)</u>
37°	5.20	34.5	30.9
220°	3.38	8.7	7.8
229°	3.98	13.5	12.1
245°	2.77	34.2	30.6
326°	4.02	32.9	29.4
354°	4.17	19.3	17.3

Environmental Considerations

Based on information provided by the applicant, it is believed that the provisions of Section 1.1307(a)(1-7) would not apply in this case since no construction is proposed and no change in existing structure marking requirements is required. Therefore, it is believed that this application may also be categorically excluded from environmental processing pursuant to Section 1.1306 of the Commission's rules. The station currently complies with the limits specified in Section 1.1310 and

Exhibit 13
COMPREHENSIVE ENGINEERING EXHIBIT
(page 5 of 5)

satisfies the exposure criteria set forth in the Commission's OET Bulletin No. 65. The impact of human exposure to radiofrequency energy also will not change.

It is believe this proposal is in compliance with all Commission Rules and policies regarding coordinate correction. An FCC Form 302-AM, Application for License, will be filed immediately upon the grant of this Construction Permit.

HANS CONSULTING COMPANY
Professional Engineers and Land Surveyors
P O Box 1324
Baytown, Texas 77522
(281) 427-6054

KWWJ TOWER SURVEY
BAYTOWN, TEXAS

Tower # 1:

LATITUDE: 29° 46' 30.1" North

LONGITUDE: 95° 00' 56.8" West

ELEVATIONS:	FEET
Ground at tower base (above mean sea level):	23.88
Top of tower foundation (above mean sea level):	27.59
Top of tower structure (above mean sea level):	238.32
Top of navigation light (above mean sea level):	240.78
Top of tower appurtenances (above mean sea level):	241.83

Tower # 2:

LATITUDE: 29° 46' 29.5" North

LONGITUDE: 95° 00' 55.8" West

ELEVATIONS:	FEET
Ground at tower base (above mean sea level):	22.87
Top of tower foundation (above mean sea level):	27.26
Top of tower structure (above mean sea level):	238.02
Top of navigation light (above mean sea level):	240.49
Top of tower appurtenances (above mean sea level):	241.76

Tower # 3:

LATITUDE: 29° 46' 28.7" North

LONGITUDE: 95° 00' 54.2" West

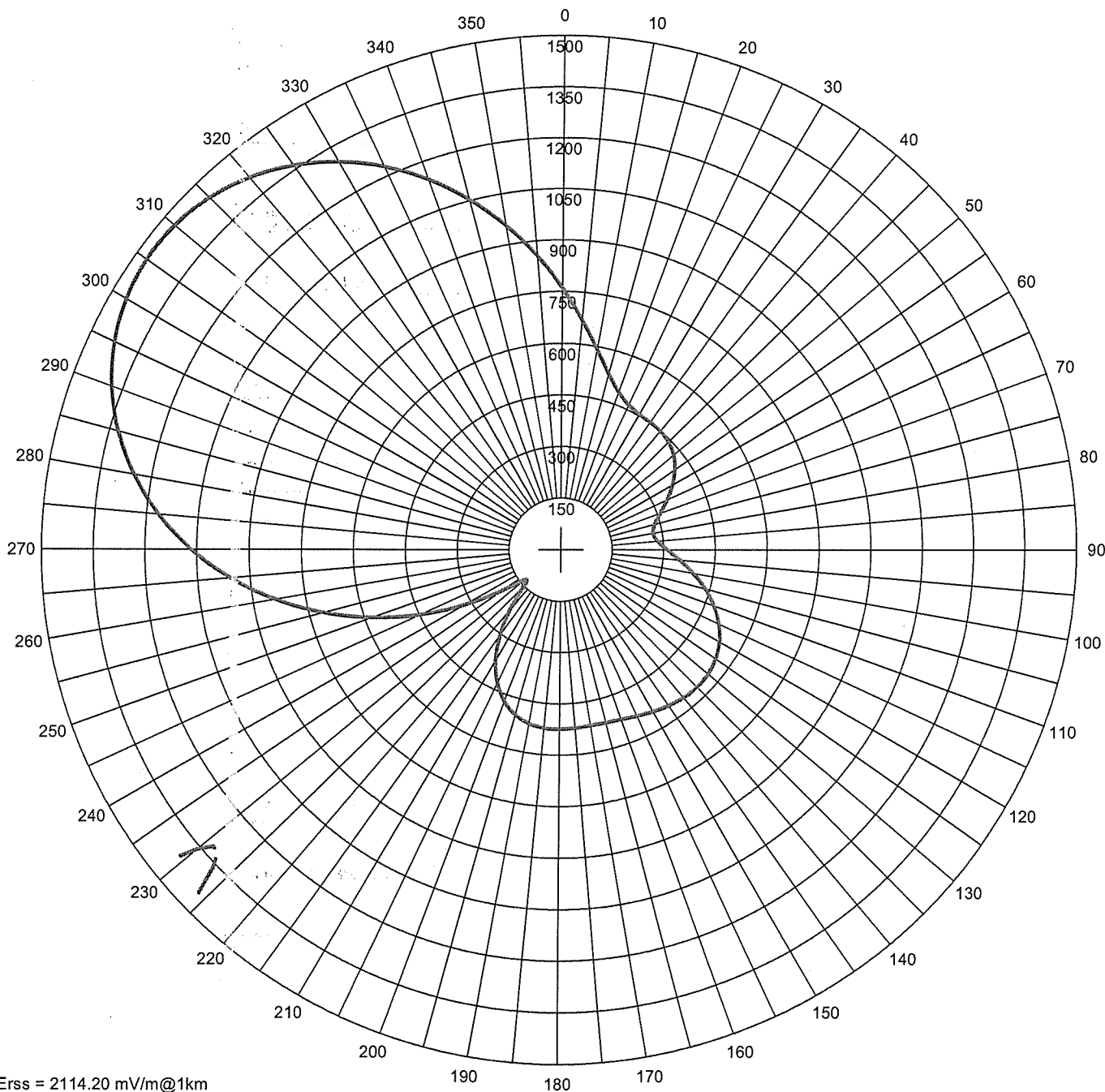
ELEVATIONS:	FEET
Ground at tower base (above mean sea level):	23.00
Top of tower foundation (above mean sea level):	27.26
Top of tower structure (above mean sea level):	238.12
Top of navigation light (above mean sea level):	240.58
Top of tower appurtenances (above mean sea level):	241.70

Horizontal position based on NAD 83 Control
Elevation are NAVD 2001 Adjustment obtained by GPS observation using GEOID 12A.
The survey complies with FAA Obstacle Accuracy Code 2C – Horizontal Position +/- 50 feet,
Vertical elevation +/- 20 feet.

Gordon W. Hans
Registered Professional Land Surveyor #1748
December 7, 2014



AM Directional Pattern



Erss = 2114.20 mV/m@1km
 Theo RMS: 728.879 mV/m@1km
 Std RMS: 767.333 mV/m@1km
 Q: 52.855 mV/m@1km

Standard Horizontal Plane Pattern

—— Pattern (mV/m @ 1km)
 - - - - Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swtch	TL Swtch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	104.5	0	0	0.0	0.0	0.0	0.0
2	1.080	166.5	54.0	131.0	104.5	0	0	0.0	0.0	0.0	0.0
3	0.350	-40.0	136.0	123.0	104.5	0	0	0.0	0.0	0.0	0.0

EXHIBIT 13 - FIGURE 2
DAYTIME RADIATION PATTERN PLOT
 prepared August 2016 for
Salt of the Earth Broadcasting, Inc.
 KWWJ(AM) Baytown, Texas
 1360 kHz 5.0/0.8 kW DA-2 U
 Cavell, Mertz & Associates, Inc.
 Manassas, Virginia

EXHIBIT 13 - FIGURE 3
DAYTIME ALLOCATIONS STUDY
CO-CHANNEL

prepared August 2016 for

Salt of the Earth Broadcasting, Inc.
KWWJ(AM) Baytown, Texas
1360 kHz 5.0/0.8 kW DA-2 U

KMNY(AM), Hurst, TX
Facility ID 10825
1360 kHz 50 kW DA-2 U
0.025 mV/m Contour
0.5 mV/m Contour

Proposed KWWJ(AM)
Facility ID 58724
1360 kHz 5 kW DA-2 U
0.025 mV/m Contour
0.5 mV/m Contour

XEIK(AM) Piedras Negras, CI
Facility ID 103192
1360 kHz 0.5 kW ND1 U
0.025 mV/m Contour
0.5 mV/m Contour

KNIR(AM), New Iberia, LA
Facility ID 6349
1360 kHz 1 kW ND-2 U
0.025 mV/m Contour
0.5 mV/m Contour

KKTX(AM), Corpus Christi, TX
Facility ID 55166
1360 kHz 1 kW ND-1 U
0.025 mV/m Contour
0.5 mV/m Contour

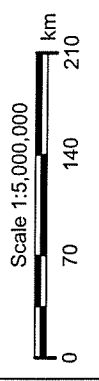


EXHIBIT 13 - FIGURE 4
DAYTIME ALLOCATIONS STUDY
1ST ADJACENT

prepared August 2016 for

Salt of the Earth Broadcasting, Inc.
KWWJ(AM) Baytown, Texas
1360 kHz 5.0/0.8 kW DA-2 U

KCOR(AM), San Antonio, TX
 Facility ID 67069
 1350 kHz 5 kW DA-N U
 0.25 mV/m Contour
 0.5 mV/m Contour

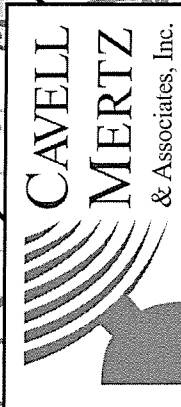
KJCE(AM), Jasper, TX
 Facility ID 1243
 1350 kHz 5 kW DA-2 U
 0.25 mV/m Contour
 0.5 mV/m Contour

KCOX(AM), Jasper, TX
 Facility ID 35710
 1350 kHz 5 kW ND-1 U
 0.25 mV/m Contour
 0.5 mV/m Contour

WWWL(AM), New Orleans, LA
 Facility ID 72959
 1350 kHz 5 kW DA-N U
 0.25 mV/m Contour
 0.5 mV/m Contour

Proposed KWWJ(AM)
 Facility ID 58724
 1360 kHz 5 kW DA-2 U
 0.25 mV/m Contour
 0.5 mV/m Contour

XEGNK, Nuevo Laredo, TA
 1370 kHz ND-2 U
 0.5 mV/m Contour



XENVA2, Matamoros, TA
 1370 kHz ND-2 U
 0.5 mV/m Contour

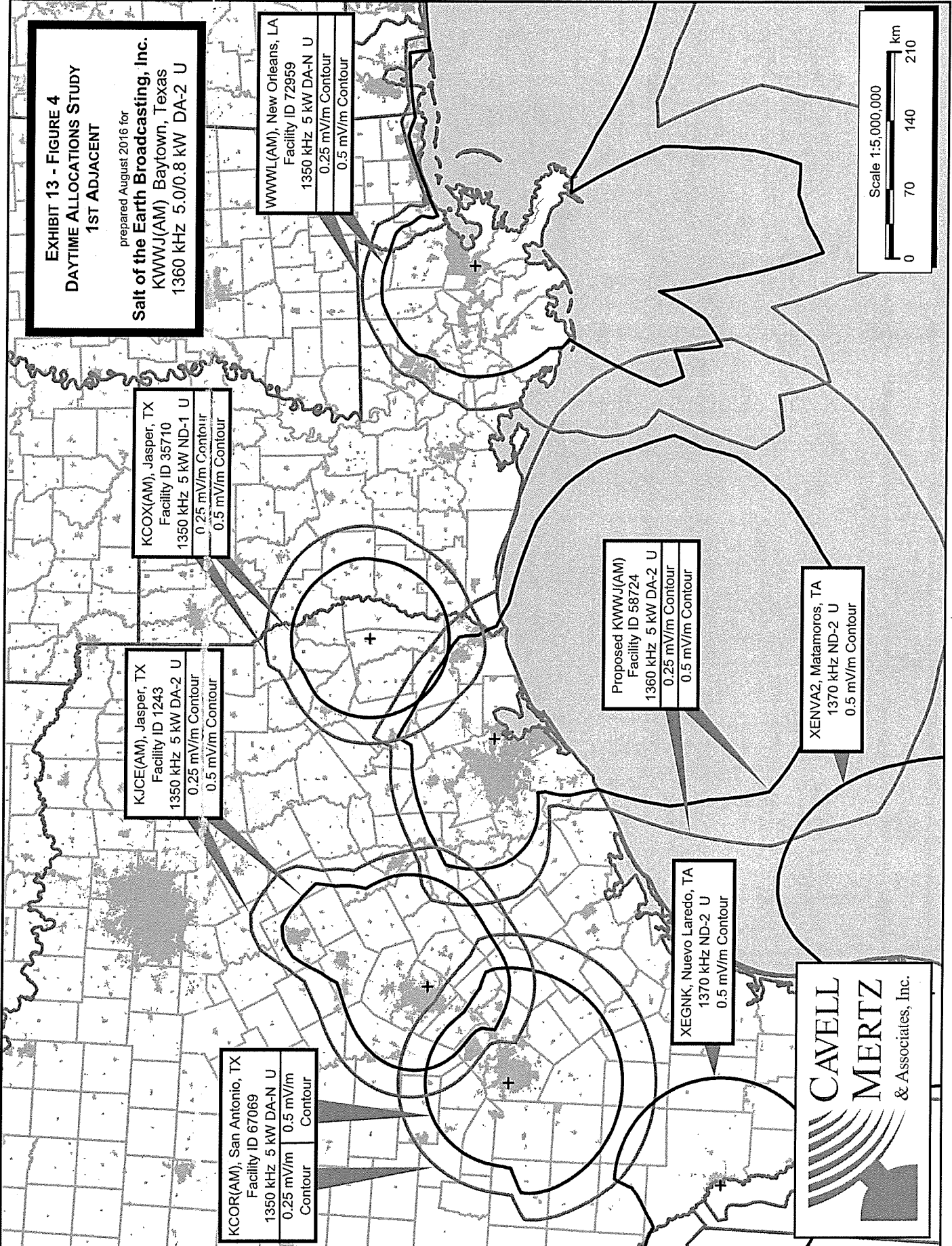
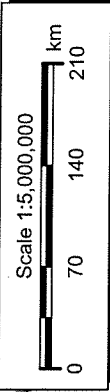


EXHIBIT 13 - FIGURE 5
DAYTIME ALLOCATIONS STUDY
2ND ADJACENT

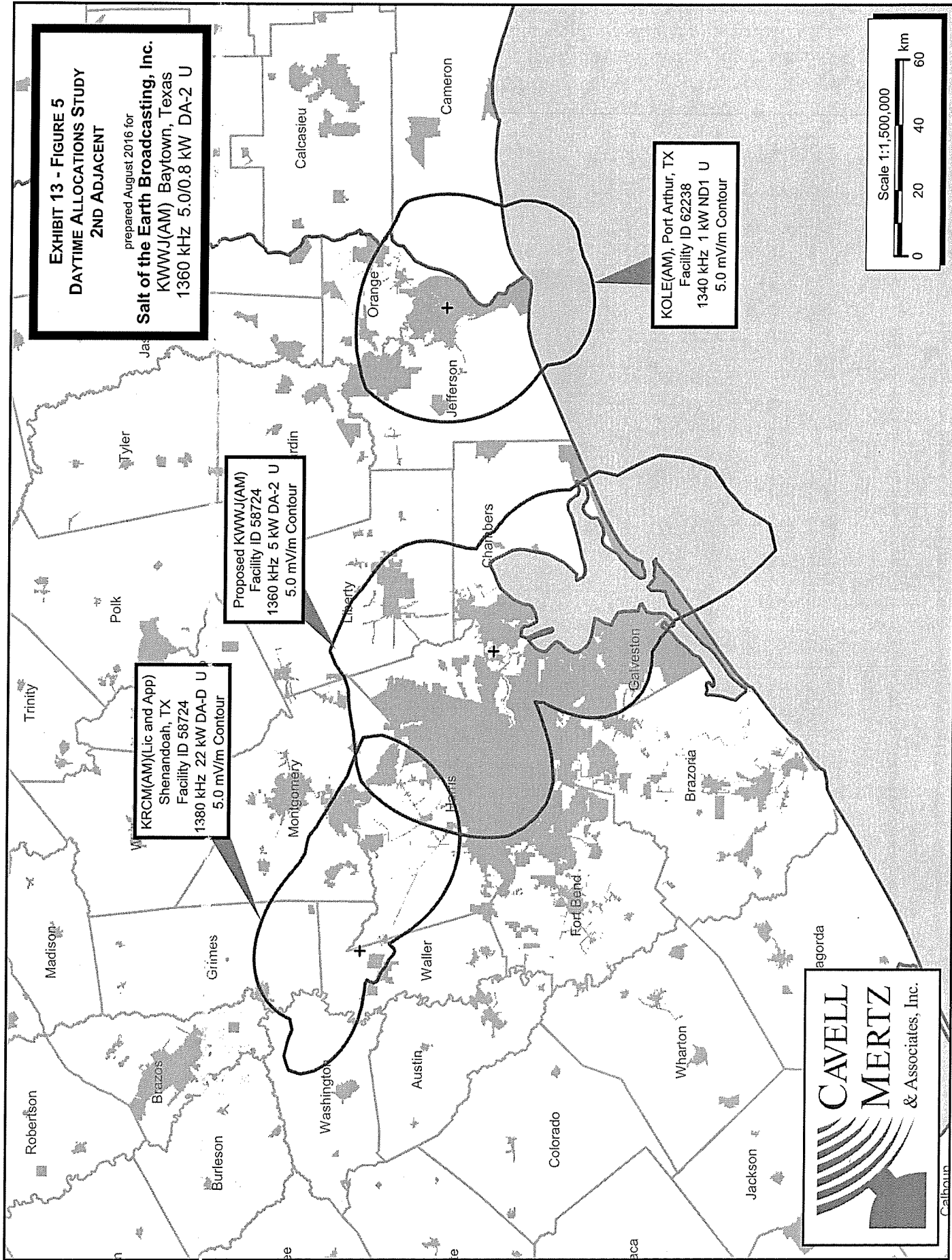
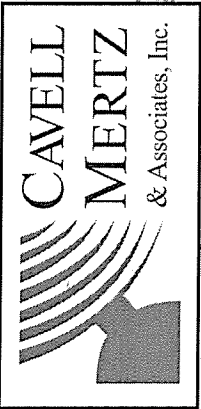
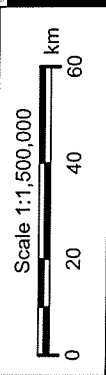
prepared August 2016 for

Salt of the Earth Broadcasting, Inc.
KWWJ(AM) Baytown, Texas
1360 kHz 5.0/0.8 kW DA-2 U

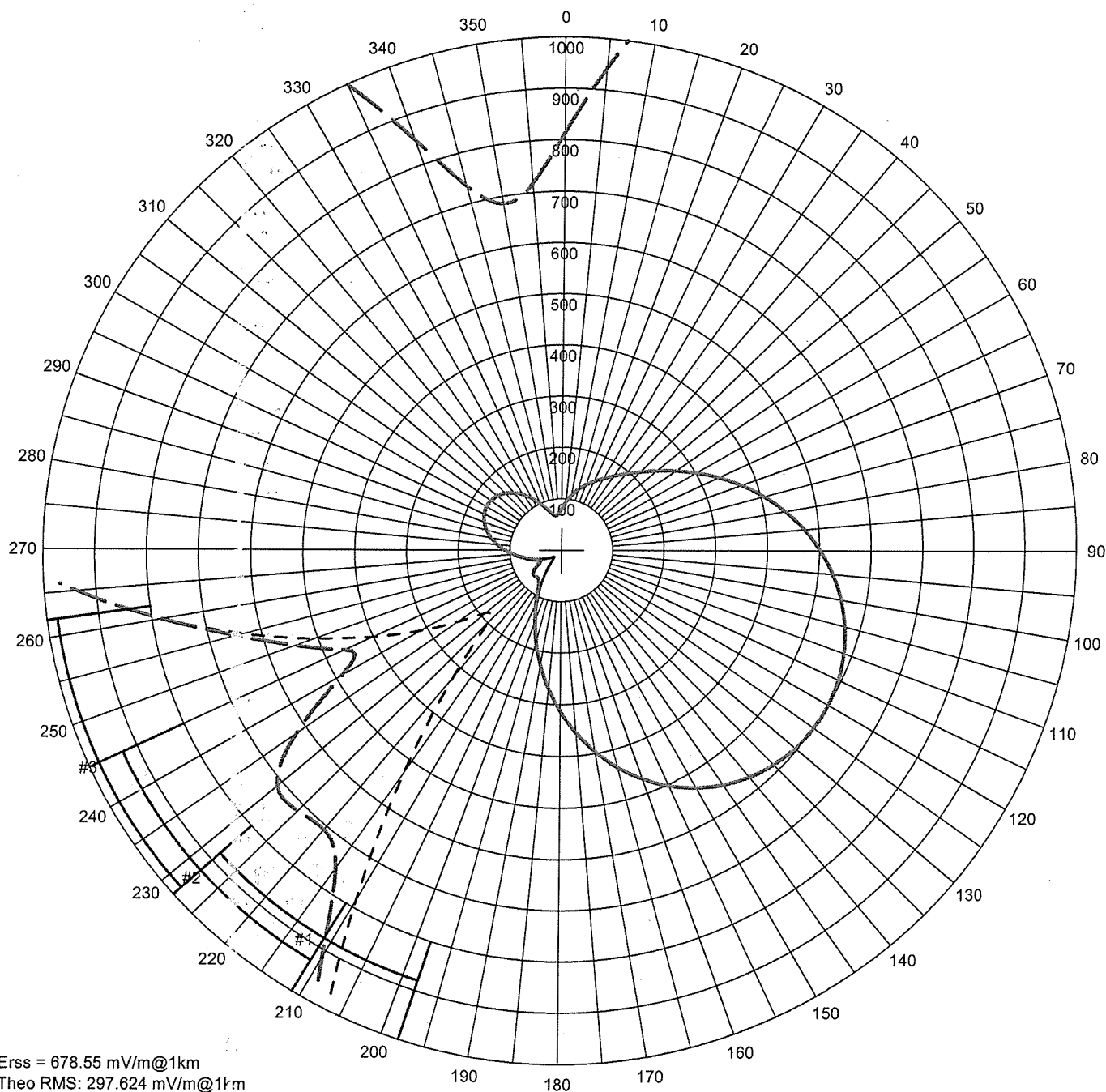
Proposed KWWJ(AM)
Facility ID 58724
1360 kHz 5 kW DA-2 U
5.0 mV/m Contour

KRCM(AM)(Lic and App)
Shenandoah, TX
Facility ID 58724
1380 kHz 22 kW DA-D U
5.0 mV/m Contour

KOLE(AM), Port Arthur, TX
Facility ID 62238
1340 kHz 1 kW ND1 U
5.0 mV/m Contour



AM Directional Pattern



Erss = 678.55 mV/m@1km
 Theo RMS: 297.624 mV/m@1km
 Std RMS: 313.012 mV/m@1km
 Aug RMS: 313.578 mV/m@1km
 Q: 16.964 mV/m@1km

Modified Standard Horizontal Plane Pattern

— Aug Pattern (mV/m@1km)
 - - - Std Pattern (mV/m@1km)
 . . . Aug Pattern X10
 - - - Std Pattern X10

#	Eld Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swtch
1	1.000	0.0	18.9	278.0	104.5	0
2	0.500	166.0	68.0	303.0	104.5	0
3	0.500	-146.0	68.0	123.0	104.5	0

#	Azimuth (deg)	Radiation (mV/m@1km)	Span (deg)
1	213.00	79.20	30.0
2	228.00	72.00	34.0
3	245.00	46.10	34.0

EXHIBIT 13 - FIGURE 6 - AMENDED NIGHTTIME RADIATION PATTERN PLOT
 prepared August 2016 for
Salt of the Earth Broadcasting, Inc.
 KWWJ(AM) Baytown, Texas
 1360 kHz 5.0/0.8 kW DA-2 U
 Cavell, Mertz & Associates, Inc.
 Manassas, Virginia

**EXHIBIT 13 - FIGURE 7 - AMENDED
NIGHTTIME INTERFERENCE-FREE
COVERAGE**

prepared August 2016 for

Salt of the Earth Broadcasting, Inc.
KWWJ(AM) Baytown, Texas
1360 kHz 5.0/0.8 kW DA-2 U

Chambers

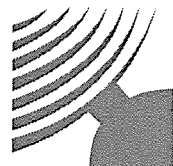
13.8 mV/m NIF
Coverage Contour

Baytown, Texas

Scale 1:375,000



**CAVELL
MERTZ**
& Associates, Inc.



**Exhibit 13 - Table I - Amended
NIGHTTIME ALLOCATIONS STUDY**

prepared for

Salt of the Earth Broadcasting, Inc.

KWWJ(AM) Baytown, Texas

Facility ID 58724

1360 kHz 5 kW/0.8 kW DA-2 U

Night Allocation Protection Report

Call: KWWJ.800w
 Freq: 1360 kHz
 BAYTOWN, TX, US
 Hours: N
 Lat: 29-46-28.70 N
 Lng: 095-00-55.10 W
 Power: 0.8 kW
 Theo RMS: 297.62 mV/m @ 1km @ 0.8 kW
 # of Augmentations: 3

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swtch	TL Swtch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	15.9	278.0	104.5	0	0	0.0	0.0	0.0	0.0
2	0.500	166.0	68.0	303.0	104.5	0	0	0.0	0.0	0.0	0.0
3	0.500	-146.0	68.0	123.0	104.5	0	0	0.0	0.0	0.0	0.0

Augmentations:

#	Azimuth (deg)	Radiation (mV/m@1km)	Span (deg)
1	213.00	79.20	30.0
2	228.00	72.00	34.0
3	245.00	46.10	34.0

Call Letters	Ct	St	City	Azi (deg)	Ang Low (deg)	Ang High (deg)	SWFF (100uV/m)	Req Prot (mV/m)	Permis (mV/m)	Cur Rad (mV/m)	Margin (mV/m)
KMNY.L	US	TX	HURST	331.45	19.81	31.20	166.84	2.836	84.99	83.39	1.60
KKTX.L	US	TX	CORPUS CHRISTI	227.95	23.22	35.67	200.17	2.837	70.87	63.15	7.71
WMOB.L	US	AL	MOBILE	79.73	10.39	17.79	81.60	7.040	431.38	419.68	11.70
WHNR.L	US	FL	CYPRESS GARDENS	95.29	3.32	7.38	31.12	3.373	541.94	527.42	14.52
XEUL.P/A	MX	YC	PROGRESO	148.97	7.54	7.54	55.71	5.995	538.05	523.50	14.55
WKAT.C	US	FL	NORTH MIAMI	103.14	1.98	5.50	25.20	2.913	577.95	562.48	15.47
WKAT.L	US	FL	NORTH MIAMI	103.47	1.94	5.44	25.05	2.902	579.28	563.78	15.50

Exhibit 13 - Table I - Amended

(Page 2 of 2)

NIGHTTIME ALLOCATIONS STUDY

KACT.L	293.63	8.81	15.44	68.43	3.496	255.44	155.89	99.55
XEIK.O/A	258.93	18.05	18.05	117.32	4.128	175.95	58.56	117.39
WWL.L	86.78	15.59	25.35	127.78	1.420	555.78	437.67	118.11
KSCJ.L	355.61	2.55	6.29	23.89	1.074	224.69	72.52	152.18
XEDI.P/A	265.86	7.64	7.64	56.39	3.450	305.87	92.42	213.45
XEDI.P/C	265.86	7.64	7.64	56.39	3.450	305.87	92.42	213.45
XEDI.P/O	265.86	7.64	7.64	56.39	3.450	305.87	92.42	213.45
XEDI.P/O	265.86	7.64	7.64	56.39	3.450	305.87	92.42	213.45
XEDI.O/A	266.02	7.62	7.62	56.27	3.463	307.74	92.93	214.81
XEVAL.O/O	205.70	9.20	9.20	68.66	4.772	347.52	108.45	239.07
KPHN.L	349.97	6.95	12.68	52.63	3.247	308.43	67.23	241.20
WTAQ.L	18.64	0.81	3.89	15.83	1.211	382.56	131.81	250.75
KDJW.L	315.55	7.33	13.24	56.29	4.540	403.23	148.97	254.26
XEFBF.O/O	191.17	7.41	7.41	54.72	5.225	477.41	211.98	265.43
XEFBF.P/A	191.17	7.41	7.41	54.72	5.225	477.41	211.98	265.43
WSAI.L	39.49	2.57	6.32	24.64	2.345	475.92	191.90	284.02
XEDQ.O/A	180.92	5.78	5.78	41.01	4.806	585.94	300.60	285.35
KLSD.L	284.57	0.00	1.65	13.46	1.182	438.88	149.66	289.22
US TX ANDREWS								
MX CI PIEDRAS NEGRAS								
US LA NEW ORLEANS								
US IA SIOUX CITY								
MX CH CHIHUAHUA								
MX CH CHIHUAHUA								
MX CH CHIHUAHUA								
MX CH CHIHUAHUA								
MX CH CHIHUAHUA								
MX SL CD.VALLES								
US KS EL DORADO								
US WI GREEN BAY								
US TX AMARILLO								
MX VC MARTINEZ DE LA								
MX VC MARTINEZ DE LA								
US OH CINCINNATI								
MX VC SAN ANDRES Tuxt								
US CA SAN DIEGO								