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[#iheartradio](https://www.instagram.com/iheartradio)

December 10, 2020

VIA EMAIL

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
445 Twelfth Street, S.W.
Washington, DC 20554

RE: Clear Channel Broadcasting Licenses, Inc. (FRN No. 0001587971)
Application for New License on FCC Form 302-AM
WESC (AM), 660 kHz, Greenville, SC; Facility ID No. 4678


Dear Ms. Dortch:

On behalf of Clear Channel Broadcasting Licenses, Inc., the licensee of the above-referenced station, enclosed is copy of an application for New License submitted on FCC Form 302-AM.

Also enclosed is Form 159, Remittance Advice, with credit card payment of the \$725.00 filing fee.

Please contact the undersigned with any communications concerning this application.

Respectfully submitted,
Clear Channel Broadcasting Licenses, Inc

By: 
Stephen G. Davis
Senior Vice President, RE, Facilities & Corp Dev.

cc: Public Inspection File

Online Payment Information

Total Amount	\$725.00
Payer FRN	0001587971
Payer Name	Clear Channel Broadcasting Licenses, Inc.
Remittance ID	3489197
Treasury Tracking ID	26QMD9JT

Thank you for your payment!

FOR
FCC
USE
ONLY

FCC 302-AM
APPLICATION FOR AM
BROADCAST STATION LICENSE

(Please read instructions before filling out form.)

FOR COMMISSION USE ONLY

FILE NO.

SECTION I - APPLICANT FEE INFORMATION

1. PAYOR NAME (Last, First, Middle Initial)

MAILING ADDRESS (Line 1) (Maximum 35 characters)

MAILING ADDRESS (Line 2) (Maximum 35 characters)

CITY

STATE OR COUNTRY (if foreign address)

ZIP CODE

TELEPHONE NUMBER (include area code)

CALL LETTERS

OTHER FCC IDENTIFIER (If applicable)

2. A. Is a fee submitted with this application?

Yes No

B. If No, indicate reason for fee exemption (see 47 C.F.R. Section

Governmental Entity Noncommercial educational licensee Other (Please explain):

C. If Yes, provide the following information:

Enter in Column (A) the correct Fee Type Code for the service you are applying for. Fee Type Codes may be found in the "Mass Media Services Fee Filing Guide." Column (B) lists the Fee Multiple applicable for this application. Enter fee amount due in Column (C).

(A) FEE TYPE CODE	(B) FEE MULTIPLE	(C) FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY
	0 0 0 1	\$	

To be used only when you are requesting concurrent actions which result in a requirement to list more than one Fee Type Code.

(A)	(B)	(C)	FOR FCC USE ONLY
	0 0 0 1	\$	

ADD ALL AMOUNTS SHOWN IN COLUMN C,
AND ENTER THE TOTAL HERE.
THIS AMOUNT SHOULD EQUAL YOUR ENCLOSED
REMITTANCE.

TOTAL AMOUNT REMITTED WITH THIS APPLICATION	FOR FCC USE ONLY
\$	

SECTION II - APPLICANT INFORMATION		
1. NAME OF APPLICANT		
MAILING ADDRESS		
CITY	STATE	ZIP CODE

2. This application is for:

- Commercial Noncommercial
 AM Directional AM Non-Directional

Call letters	Community of License	Construction Permit File No.	Modification of Construction Permit File No(s).	Expiration Date of Last Construction Permit
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3. Is the station now operating pursuant to automatic program test authority in accordance with 47 C.F.R. Section 73.1620?

Yes No

If No, explain in an Exhibit.

Exhibit No.

4. Have all the terms, conditions, and obligations set forth in the above described construction permit been fully met?

Yes No

If No, state exceptions in an Exhibit.

Exhibit No.

5. Apart from the changes already reported, has any cause or circumstance arisen since the grant of the underlying construction permit which would result in any statement or representation contained in the construction permit application to be now incorrect?

Yes No

If Yes, explain in an Exhibit.

Exhibit No.

6. Has the permittee filed its Ownership Report (FCC Form 323) or ownership certification in accordance with 47 C.F.R. Section 73.3615(b)?

Yes No

If No, explain in an Exhibit.

Does not apply

Exhibit No.

7. Has an adverse finding been made or an adverse final action been taken by any court or administrative body with respect to the applicant or parties to the application in a civil or criminal proceeding, brought under the provisions of any law relating to the following: any felony; mass media related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination?

Yes No

If the answer is Yes, attach as an Exhibit a full disclosure of the persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file numbers), and the disposition of the litigation. Where the requisite information has been earlier disclosed in connection with another application or as required by 47 U.S.C. Section 1.65(c), the applicant need only provide: (i) an identification of that previous submission by reference to the file number in the case of an application, the call letters of the station regarding which the application or Section 1.65 information was filed, and the date of filing; and (ii) the disposition of the previously reported matter.

Exhibit No.

8. Does the applicant, or any party to the application, have a petition on file to migrate to the expanded band (1605-1705 kHz) or a permit or license either in the existing band or expanded band that is held in combination (pursuant to the 5 year holding period allowed) with the AM facility proposed to be modified herein?

Yes No

If Yes, provide particulars as an Exhibit.

Exhibit No.

The APPLICANT hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because use of the same, whether by license or otherwise, and requests and authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended).

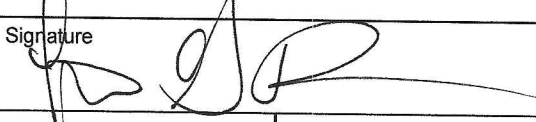
The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations and that all the exhibits are a material part hereof and are incorporated herein as set out in full in

CERTIFICATION

1. By checking Yes, the applicant certifies, that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, or, in the case of a non-individual applicant (e.g., corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits that includes FCC benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. Section 1.2002(b).

Yes No

2. 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.

Name Stephen G Davis	Signature 	
Title SVP, RE, Facilities & Corp Development	Date 12/10/2020	Telephone Number 918-664-4581

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

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The Commission will use the information provided in this form to determine whether grant of the application is in the public interest. In reaching that determination, or for law enforcement purposes, it may become necessary to refer personal information contained in this form to another government agency. In addition, all information provided in this form will be available for public inspection. If information requested on the form is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Your response is required to obtain the requested authorization.

Public reporting burden for this collection of information is estimated to average 639 hours and 53 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Records Management Branch, Paperwork Reduction Project (3060-0627), Washington, D. C. 20554. Do NOT send completed forms to this address.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

SECTION III - LICENSE APPLICATION ENGINEERING DATA

Name of Applicant

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)

- Station License
 Direct Measurement of Power

1. Facilities authorized in construction permit					
Call Sign	File No. of Construction Permit (if applicable)	Frequency (kHz)	Hours of Operation	Power in kilowatts	
				Night	Day
2. Station location					
State			City or Town		
3. Transmitter location					
State	County		City or Town	Street address (or other identification)	
4. Main studio location					
State	County		City or Town	Street address (or other identification)	
5. Remote control point location (specify only if authorized directional antenna)					
State	County		City or Town	Street address (or other identification)	

6. Has type-approved stereo generating equipment been installed? Yes No
7. Does the sampling system meet the requirements of 47 C.F.R. Section 73.68? Yes No
- Not Applicable

Attach as an Exhibit a detailed description of the sampling system as installed. Exhibit No.

8. Operating constants:	
RF common point or antenna current (in amperes) without modulation for night system	RF common point or antenna current (in amperes) without modulation for day system
Measured antenna or common point resistance (in ohms) at operating frequency Night Day	Measured antenna or common point reactance (in ohms) at operating frequency Night Day

Antenna indications for directional operation						
Towers	Antenna monitor Phase reading(s) in degrees		Antenna monitor sample current ratio(s)		Antenna base currents	
	Night	Day	Night	Day	Night	Day

Manufacturer and type of antenna monitor:

SECTION III - Page 2

9. Description of antenna system ((f directional antenna is used, the information requested below should be given for each element of the array. Use separate sheets if necessary.)

Type Radiator	Overall height in meters of radiator above base insulator, or above base, if grounded.	Overall height in meters above ground (without obstruction lighting)	Overall height in meters above ground (include obstruction lighting)	If antenna is either top loaded or sectionalized, describe fully in an Exhibit. <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">Exhibit No.</div>
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Excitation Series Shunt

Geographic coordinates to nearest second. For directional antenna give coordinates of center of array. For single vertical radiator give tower location.

North Latitude	°	'	"	West Longitude	°	'	"
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If not fully described above, attach as an Exhibit further details and dimensions including any other antenna mounted on tower and associated isolation circuits.

Exhibit No.


Also, if necessary for a complete description, attach as an Exhibit a sketch of the details and dimensions of ground system.

Exhibit No.

10. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit?

11. Give reasons for the change in antenna or common point resistance.

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

Name (Please Print or Type)	Signature (check appropriate box below) 
Address (include ZIP Code)	Date
	Telephone No. (Include Area Code)

Technical Director

Registered Professional Engineer

Chief Operator

Technical Consultant

Other (specify)

APPLICATION FOR LICENSE INFORMATION

RADIO STATION WESC

CLEAR CHANNEL BROADCASTING LICENSES, INC

GREENVILLE, SOUTH CAROLINA

FID 4678

660 KHZ 5.0KW NDD

November 30, 2020

APPLICATION FOR LICENSE INFORMATION
RADIO STATION WGVL
GREENVILLE, SOUTH CAROLINA

660 KHZ 5.0KW NDD

Table of Contents

Executive Summary

Item 1	Spurious and Harmonic Measurements
Item 2	Moment Method Computer Model
Item 3	RFR Compliance
Item 4	Ground System

EXECUTIVE SUMMARY

This engineering exhibit has been prepared in support of an application for licensing for radio station WESC-AM, Greenville South Carolina, Facility ID #4678. This exhibit satisfies special conditions six and seven as outlined on Construction Permit BP-20200212AAH for WESC-AM Greenville, South Carolina.

Per the construction permit, WESC employs the use of tower #3 (ASR 1044160) of the WGVL AM antenna array for daytime only operation at five kilowatts. During daytime operation, WGVL is also non-directional and utilizes tower #2 (ASR 1044159) of the four towers. Appropriately designed and configured filters were installed at the base of Tower 3 that rejects 1440khz (WGVL) energy from being present at the output of the 660khz (WESC) transmitter. As well, a complimentary set of filters was installed at Tower 2 to prevent the 660khz (WESC) energy from being present at the output of the 1440khz (WGVL) transmitter. Item 1, Spurious and Harmonic Measurements, shows that all combinations of WESC and WGVL energy has suppressed more than prescribed limits.

Pursuant to Section 1.30002, a moment method analysis was conducted utilizing methodology specified in section 73.151c to satisfy special condition seven. Modeled tower heights were derived from moment method calculations shown in the technical exhibit for WGVL application for license and adjusted accordingly for frequency. Tower radius was confirmed by physical measurement. Components were added to the existing 1440 kilohertz detuning networks at towers one and four to create a pole at 660 kilohertz while maintaining a detune at 1440khz. The very nature of the pass/reject filter would present a pole on tower 2. Effectively all towers would be floated at 660khz and were presented as such in the model. Item 2, Moment Method Computer Model, illustrates that the WESC pattern has an overall variation of less than .2db which far exceeds the 2db limit set forth in 1.3002(a).

Please refer any questions regarding this report to:

A handwritten signature in black ink, appearing to read "Jacob Wyatt", with a long horizontal flourish extending to the right.

Jacob A Wyatt

Jakewyatt@iheartmedia.com

308-289-1872

Spurious and Harmonic Measurements
WESC, Facility ID Number 4678, Greenville, SC
and
WGVL, Facility ID Number 59821, Greenville, SC

Spurious Emission Observations

With both WESC and WGVL (1440 KHz) operating at full power, a Potomac Instruments model PI-4100 field strength meter and a Rigol model DSA815 Spectrum Analyzer with a Chris Scott & Associates model LP-3 shielded loop antenna were utilized to search for spurious emissions at a location 1.01 kilometers from the transmitter site. The location was at the northern edge of the Truth Missionary Baptist Church parking lot, at NAD83 GPS coordinates 34° 51' 36.3" N, 82° 28' 19.2" W. With WESC and WGVL operating at full power, their field strengths were observed to be 480 mV/m and 350 mV/m, respectively, at this point. Specific observations were recorded as listed in Table 1, of intermodulation product and harmonic frequencies falling within the frequency range of the field strength meter that was employed for the measurements. The measurements confirm that any spurious emissions from the collocated stations are below the levels specified by section 73.44 of the FCC rules.



Randall L. Mullinax
Senior RF Engineer
iHeartMedia

Table 1 - WESC and WGVL Harmonic and Intermodulation Measurements								
DESCRIPTION	FREQ. (kHz)	MEASURED LEVEL (mV/m)	REF. LEVEL 660 kHz (mV/m)	ATTEN. dB (Below 660 kHz Ref.)	REQUIRED ATTEN. dB (Below 660 kHz Ref.)	REF. LEVEL 1440 kHz (mV/m)	ATTEN. dB (Below 1440 kHz Ref.)	REQUIRED ATTEN. dB (Below 1440 kHz Ref.)
FUNDAMENTAL	660	480	480	0.0	0.0	N/A	N/A	N/A
FUNDAMENTAL	1440	350	N/A	N/A	N/A	350	0	0.0
1440-660	780	0.353	480	62.7	80.0	350	59.9	80.0
(2 X 1440) - (3 X 660)	900	0.026	480	85.3	80.0	350	82.6	80.0
2 X 660	1320	0.064	480	77.5	80.0	N/A	N/A	N/A
(2 X 1440) - (2 X 660)	1560	0.015	480	90.1	80.0	350	87.4	80.0
3 X 660	1980	0.017	480	89.0	80.0	N/A	N/A	N/A
660 + 1440	2100	0.015	480	90.1	80.0	350	87.4	80.0
(2 X 1440) - 660	2220	0.025	480	85.7	80.0	350	82.9	80.0
(3 X 1440) - (3 X 660)	2340	0.022	480	86.8	80.0	350	84.0	80.0
4 X 660	2640	0.013	480	91.3	80.0	N/A	N/A	N/A
1440 + (2 X 660)	2760	0.015	480	90.1	80.0	350	87.4	80.0
2 X 1440	2880	0.016	N/A	N/A	N/A	350	86.8	80.0
(3 X 1440) - (2 X 660)	3000	0.010	480	93.6	80.0	350	90.9	80.0
5 X 660	3300	0.010	480	93.6	80.0	N/A	N/A	N/A
1440 + (3 X 660)	3420	0.009	480	94.5	80.0	350	91.8	80.0
(2 X 1440) + 660	3540	0.014	480	90.7	80.0	350	88.0	80.0
(3 X 1440) - 660	3660	0.009	480	94.5	80.0	350	91.8	80.0
6 X 660	3960	0.009	480	94.5	80.0	N/A	N/A	N/A
(2 X 1440) + (2 X 660)	4200	0.009	480	94.5	80.0	350	91.8	80.0
3 X 1440	4320	0.010	N/A	N/A	N/A	350	90.9	80.0
7 X 660	4620	0.009	480	94.5	80.0	N/A	N/A	N/A
(2 X 1440) + (3 X 660)	4860	0.010	480	93.6	80.0	350	90.9	80.0
(3 X 1440) + 660	4980	0.009	480	94.5	80.0	350	91.8	80.0
Point Located at 34° 51' 36.3"N, 82° 28' 19.2" W - 1.01 km from WESC/WGVL site.								
Measurement taken by Randall L. Mullinax between 10:30 and 11:10 on November 18, 2020								
Measurements were made with a Potomac Instruments PI-4100, S/N 133, Calibrated on May 6, 2019								
Measurements were conducted with WESC and WGVL both operating with antenna input power of 5.0 kW.								
The signal on 780 kHz was identified as WWOL, Forest City, NC - the amplitude did not change when the WESC and WGVL transmitters were turned off.								
The signal on 1320 kHz was identified as WAGY, Forest City, NC - the amplitude did not change when the WESC transmitter was turned off.								

GEOMETRY

Wire coordinates in degrees; other dimensions in meters

Environment: perfect ground

wire	caps	Distance	Angle	Z	radius	segs
1	none	0	0	0	.1698	15
		0	0	54.4		
2	none	41.25	111.5	0	.1698	15
		41.25	111.5	55.96		
3	none	82.5	111.5	0	.1698	15
		82.5	111.5	55.37		
4	none	123.75	111.5	0	.1698	15
		123.75	111.5	54.91		

Number of wires = 4
current nodes = 60

Individual wires	minimum		maximum	
	wire	value	wire	value
segment length	1	3.62667	2	3.73067
radius	1	.1698	1	.1698

ELECTRICAL DESCRIPTION

Frequencies (MHz)

frequency		no. of steps	segment length (wavelengths)		
no. lowest	step		minimum	maximum	
1	.66	0	1	.0100741	.010363

Sources

source	node	sector	magnitude	phase	type
1	31	1	1.	0	voltage

Lumped loads

load	node	resistance (ohms)	reactance (ohms)	inductance (mH)	capacitance (uF)	passive circuit
1	16	0	-10,000.	0	0	0
2	1	0	-10,000.	0	0	0
3	46	0	-10,000.	0	0	0

RADIATION PATTERN rms
geographic coordinate system

Radial distance (meters) = 1,000.

Frequency = .66 MHz

Input power = 5,000. watts

Efficiency = 100. %

elevation angle	azimuth angle	E-theta mag (mv/m)	phase (deg)	E-phi mag (mv/m)	phase
0	0	683.688	144.	0	0
0	1.	683.504	145.4	0	0
0	2.	683.32	146.7	0	0
0	3.	683.136	148.1	0	0
0	4.	682.952	149.5	0	0
0	5.	682.768	150.8	0	0
0	6.	682.584	152.2	0	0
0	7.	682.401	153.6	0	0
0	8.	682.219	155.	0	0
0	9.	682.038	156.4	0	0
0	10.	681.857	157.8	0	0
0	11.	681.679	159.2	0	0
0	12.	681.502	160.6	0	0
0	13.	681.326	162.1	0	0
0	14.	681.152	163.5	0	0
0	15.	680.98	164.9	0	0
0	16.	680.81	166.4	0	0
0	17.	680.643	167.8	0	0
0	18.	680.478	169.3	0	0
0	19.	680.317	170.7	0	0
0	20.	680.157	172.1	0	0
0	21.	680.	173.6	0	0
0	22.	679.848	175.	0	0
0	23.	679.697	176.5	0	0
0	24.	679.552	177.9	0	0
0	25.	679.408	179.4	0	0
0	26.	679.269	180.8	0	0
0	27.	679.133	182.3	0	0
0	28.	679.001	183.7	0	0
0	29.	678.874	185.2	0	0
0	30.	678.75	186.6	0	0
0	31.	678.631	188.	0	0
0	32.	678.516	189.5	0	0
0	33.	678.405	190.9	0	0
0	34.	678.298	192.3	0	0
0	35.	678.196	193.7	0	0
0	36.	678.099	195.1	0	0
0	37.	678.006	196.5	0	0
0	38.	677.918	197.9	0	0
0	39.	677.835	199.3	0	0
0	40.	677.755	200.7	0	0
0	41.	677.681	202.1	0	0
0	42.	677.612	203.5	0	0
0	43.	677.547	204.8	0	0
0	44.	677.486	206.2	0	0
0	45.	677.43	207.5	0	0
0	46.	677.378	208.9	0	0
0	47.	677.332	210.2	0	0

0	48.	677.289	211.5	0	0
0	49.	677.25	212.8	0	0
0	50.	677.216	214.1	0	0
0	51.	677.187	215.4	0	0
0	52.	677.162	216.6	0	0
0	53.	677.14	217.9	0	0
0	54.	677.122	219.1	0	0
0	55.	677.109	220.3	0	0
0	56.	677.099	221.6	0	0
0	57.	677.093	222.8	0	0
0	58.	677.09	223.9	0	0
0	59.	677.091	225.1	0	0
0	60.	677.094	226.3	0	0
0	61.	677.101	227.4	0	0
0	62.	677.112	228.5	0	0
0	63.	677.124	229.6	0	0
0	64.	677.141	230.7	0	0
0	65.	677.158	231.8	0	0
0	66.	677.18	232.8	0	0
0	67.	677.203	233.9	0	0
0	68.	677.228	234.9	0	0
0	69.	677.255	235.9	0	0
0	70.	677.284	236.9	0	0
0	71.	677.315	237.8	0	0
0	72.	677.347	238.8	0	0
0	73.	677.38	239.7	0	0
0	74.	677.415	240.6	0	0
0	75.	677.452	241.5	0	0
0	76.	677.489	242.3	0	0
0	77.	677.527	243.2	0	0
0	78.	677.565	244.	0	0
0	79.	677.605	244.8	0	0
0	80.	677.644	245.6	0	0
0	81.	677.683	246.3	0	0
0	82.	677.724	247.1	0	0
0	83.	677.764	247.8	0	0
0	84.	677.804	248.5	0	0
0	85.	677.843	249.1	0	0
0	86.	677.882	249.8	0	0
0	87.	677.921	250.4	0	0
0	88.	677.959	251.	0	0
0	89.	677.996	251.5	0	0
0	90.	678.033	252.1	0	0
0	91.	678.069	252.6	0	0
0	92.	678.103	253.1	0	0
0	93.	678.137	253.6	0	0
0	94.	678.169	254.1	0	0
0	95.	678.199	254.5	0	0
0	96.	678.229	254.9	0	0
0	97.	678.257	255.3	0	0
0	98.	678.283	255.6	0	0
0	99.	678.309	256.	0	0
0	100.	678.332	256.3	0	0
0	101.	678.353	256.5	0	0
0	102.	678.373	256.8	0	0
0	103.	678.391	257.	0	0
0	104.	678.407	257.2	0	0

0	105.	678.422	257.4	0	0
0	106.	678.433	257.6	0	0
0	107.	678.443	257.7	0	0
0	108.	678.451	257.8	0	0
0	109.	678.458	257.9	0	0
0	110.	678.462	257.9	0	0
0	111.	678.464	257.9	0	0
0	112.	678.464	257.9	0	0
0	113.	678.462	257.9	0	0
0	114.	678.458	257.9	0	0
0	115.	678.451	257.8	0	0
0	116.	678.443	257.7	0	0
0	117.	678.433	257.6	0	0
0	118.	678.422	257.4	0	0
0	119.	678.407	257.2	0	0
0	120.	678.391	257.	0	0
0	121.	678.373	256.8	0	0
0	122.	678.353	256.5	0	0
0	123.	678.332	256.3	0	0
0	124.	678.308	256.	0	0
0	125.	678.283	255.6	0	0
0	126.	678.257	255.3	0	0
0	127.	678.229	254.9	0	0
0	128.	678.199	254.5	0	0
0	129.	678.169	254.1	0	0
0	130.	678.137	253.6	0	0
0	131.	678.103	253.1	0	0
0	132.	678.069	252.6	0	0
0	133.	678.033	252.1	0	0
0	134.	677.996	251.5	0	0
0	135.	677.959	251.	0	0
0	136.	677.921	250.4	0	0
0	137.	677.882	249.8	0	0
0	138.	677.843	249.1	0	0
0	139.	677.804	248.5	0	0
0	140.	677.764	247.8	0	0
0	141.	677.724	247.1	0	0
0	142.	677.684	246.3	0	0
0	143.	677.643	245.6	0	0
0	144.	677.605	244.8	0	0
0	145.	677.565	244.	0	0
0	146.	677.527	243.2	0	0
0	147.	677.489	242.3	0	0
0	148.	677.452	241.5	0	0
0	149.	677.415	240.6	0	0
0	150.	677.38	239.7	0	0
0	151.	677.347	238.8	0	0
0	152.	677.315	237.8	0	0
0	153.	677.284	236.9	0	0
0	154.	677.255	235.9	0	0
0	155.	677.228	234.9	0	0
0	156.	677.202	233.9	0	0
0	157.	677.18	232.8	0	0
0	158.	677.158	231.8	0	0
0	159.	677.141	230.7	0	0
0	160.	677.124	229.6	0	0
0	161.	677.112	228.5	0	0

0	162.	677.101	227.4	0	0
0	163.	677.094	226.3	0	0
0	164.	677.09	225.1	0	0
0	165.	677.09	223.9	0	0
0	166.	677.093	222.8	0	0
0	167.	677.099	221.6	0	0
0	168.	677.109	220.3	0	0
0	169.	677.122	219.1	0	0
0	170.	677.14	217.9	0	0
0	171.	677.162	216.6	0	0
0	172.	677.187	215.4	0	0
0	173.	677.216	214.1	0	0
0	174.	677.25	212.8	0	0
0	175.	677.289	211.5	0	0
0	176.	677.332	210.2	0	0
0	177.	677.378	208.9	0	0
0	178.	677.43	207.5	0	0
0	179.	677.486	206.2	0	0
0	180.	677.547	204.8	0	0
0	181.	677.611	203.5	0	0
0	182.	677.681	202.1	0	0
0	183.	677.756	200.7	0	0
0	184.	677.835	199.3	0	0
0	185.	677.918	197.9	0	0
0	186.	678.007	196.5	0	0
0	187.	678.099	195.1	0	0
0	188.	678.196	193.7	0	0
0	189.	678.298	192.3	0	0
0	190.	678.405	190.9	0	0
0	191.	678.516	189.5	0	0
0	192.	678.631	188.	0	0
0	193.	678.75	186.6	0	0
0	194.	678.874	185.2	0	0
0	195.	679.001	183.7	0	0
0	196.	679.133	182.3	0	0
0	197.	679.269	180.8	0	0
0	198.	679.408	179.4	0	0
0	199.	679.552	177.9	0	0
0	200.	679.697	176.5	0	0
0	201.	679.848	175.	0	0
0	202.	680.	173.6	0	0
0	203.	680.157	172.1	0	0
0	204.	680.317	170.7	0	0
0	205.	680.478	169.3	0	0
0	206.	680.643	167.8	0	0
0	207.	680.81	166.4	0	0
0	208.	680.98	164.9	0	0
0	209.	681.152	163.5	0	0
0	210.	681.326	162.1	0	0
0	211.	681.502	160.6	0	0
0	212.	681.679	159.2	0	0
0	213.	681.858	157.8	0	0
0	214.	682.038	156.4	0	0
0	215.	682.219	155.	0	0
0	216.	682.401	153.6	0	0
0	217.	682.584	152.2	0	0
0	218.	682.768	150.8	0	0

0	219.	682.952	149.5	0	0
0	220.	683.135	148.1	0	0
0	221.	683.32	146.7	0	0
0	222.	683.504	145.4	0	0
0	223.	683.688	144.	0	0
0	224.	683.871	142.7	0	0
0	225.	684.054	141.4	0	0
0	226.	684.236	140.1	0	0
0	227.	684.417	138.8	0	0
0	228.	684.597	137.5	0	0
0	229.	684.776	136.2	0	0
0	230.	684.953	134.9	0	0
0	231.	685.129	133.7	0	0
0	232.	685.303	132.5	0	0
0	233.	685.476	131.2	0	0
0	234.	685.647	130.	0	0
0	235.	685.816	128.8	0	0
0	236.	685.982	127.6	0	0
0	237.	686.146	126.5	0	0
0	238.	686.308	125.3	0	0
0	239.	686.468	124.2	0	0
0	240.	686.625	123.	0	0
0	241.	686.78	121.9	0	0
0	242.	686.931	120.8	0	0
0	243.	687.08	119.8	0	0
0	244.	687.227	118.7	0	0
0	245.	687.37	117.7	0	0
0	246.	687.51	116.6	0	0
0	247.	687.648	115.6	0	0
0	248.	687.782	114.6	0	0
0	249.	687.914	113.7	0	0
0	250.	688.042	112.7	0	0
0	251.	688.168	111.8	0	0
0	252.	688.29	110.9	0	0
0	253.	688.409	110.	0	0
0	254.	688.525	109.1	0	0
0	255.	688.637	108.2	0	0
0	256.	688.747	107.4	0	0
0	257.	688.852	106.6	0	0
0	258.	688.956	105.8	0	0
0	259.	689.055	105.	0	0
0	260.	689.151	104.3	0	0
0	261.	689.245	103.5	0	0
0	262.	689.334	102.8	0	0
0	263.	689.421	102.1	0	0
0	264.	689.504	101.5	0	0
0	265.	689.585	100.8	0	0
0	266.	689.662	100.2	0	0
0	267.	689.736	99.6	0	0
0	268.	689.806	99.	0	0
0	269.	689.874	98.5	0	0
0	270.	689.938	97.9	0	0
0	271.	689.999	97.4	0	0
0	272.	690.058	96.9	0	0
0	273.	690.112	96.5	0	0
0	274.	690.165	96.	0	0
0	275.	690.214	95.6	0	0

0	276.	690.26	95.2	0	0
0	277.	690.303	94.9	0	0
0	278.	690.343	94.5	0	0
0	279.	690.38	94.2	0	0
0	280.	690.415	93.9	0	0
0	281.	690.446	93.6	0	0
0	282.	690.475	93.4	0	0
0	283.	690.5	93.2	0	0
0	284.	690.523	93.	0	0
0	285.	690.542	92.8	0	0
0	286.	690.559	92.7	0	0
0	287.	690.574	92.5	0	0
0	288.	690.585	92.4	0	0
0	289.	690.593	92.4	0	0
0	290.	690.599	92.3	0	0
0	291.	690.602	92.3	0	0
0	292.	690.602	92.3	0	0
0	293.	690.599	92.3	0	0
0	294.	690.593	92.4	0	0
0	295.	690.585	92.4	0	0
0	296.	690.574	92.5	0	0
0	297.	690.559	92.7	0	0
0	298.	690.542	92.8	0	0
0	299.	690.523	93.	0	0
0	300.	690.5	93.2	0	0
0	301.	690.475	93.4	0	0
0	302.	690.446	93.6	0	0
0	303.	690.415	93.9	0	0
0	304.	690.38	94.2	0	0
0	305.	690.343	94.5	0	0
0	306.	690.303	94.9	0	0
0	307.	690.26	95.2	0	0
0	308.	690.214	95.6	0	0
0	309.	690.165	96.	0	0
0	310.	690.112	96.5	0	0
0	311.	690.058	96.9	0	0
0	312.	689.999	97.4	0	0
0	313.	689.938	97.9	0	0
0	314.	689.874	98.5	0	0
0	315.	689.806	99.	0	0
0	316.	689.736	99.6	0	0
0	317.	689.662	100.2	0	0
0	318.	689.585	100.8	0	0
0	319.	689.504	101.5	0	0
0	320.	689.421	102.1	0	0
0	321.	689.333	102.8	0	0
0	322.	689.245	103.5	0	0
0	323.	689.151	104.3	0	0
0	324.	689.055	105.	0	0
0	325.	688.956	105.8	0	0
0	326.	688.852	106.6	0	0
0	327.	688.747	107.4	0	0
0	328.	688.637	108.2	0	0
0	329.	688.525	109.1	0	0
0	330.	688.409	110.	0	0
0	331.	688.29	110.9	0	0
0	332.	688.168	111.8	0	0

0	333.	688.042	112.7	0	0
0	334.	687.914	113.7	0	0
0	335.	687.783	114.6	0	0
0	336.	687.648	115.6	0	0
0	337.	687.51	116.6	0	0
0	338.	687.37	117.7	0	0
0	339.	687.227	118.7	0	0
0	340.	687.08	119.8	0	0
0	341.	686.931	120.8	0	0
0	342.	686.779	121.9	0	0
0	343.	686.625	123.	0	0
0	344.	686.468	124.2	0	0
0	345.	686.308	125.3	0	0
0	346.	686.146	126.5	0	0
0	347.	685.982	127.6	0	0
0	348.	685.815	128.8	0	0
0	349.	685.647	130.	0	0
0	350.	685.476	131.2	0	0
0	351.	685.303	132.5	0	0
0	352.	685.129	133.7	0	0
0	353.	684.953	134.9	0	0
0	354.	684.776	136.2	0	0
0	355.	684.597	137.5	0	0
0	356.	684.417	138.8	0	0
0	357.	684.236	140.1	0	0
0	358.	684.054	141.4	0	0
0	359.	683.871	142.7	0	0
0	360.	683.688	144.	0	0

WESC 660kHz

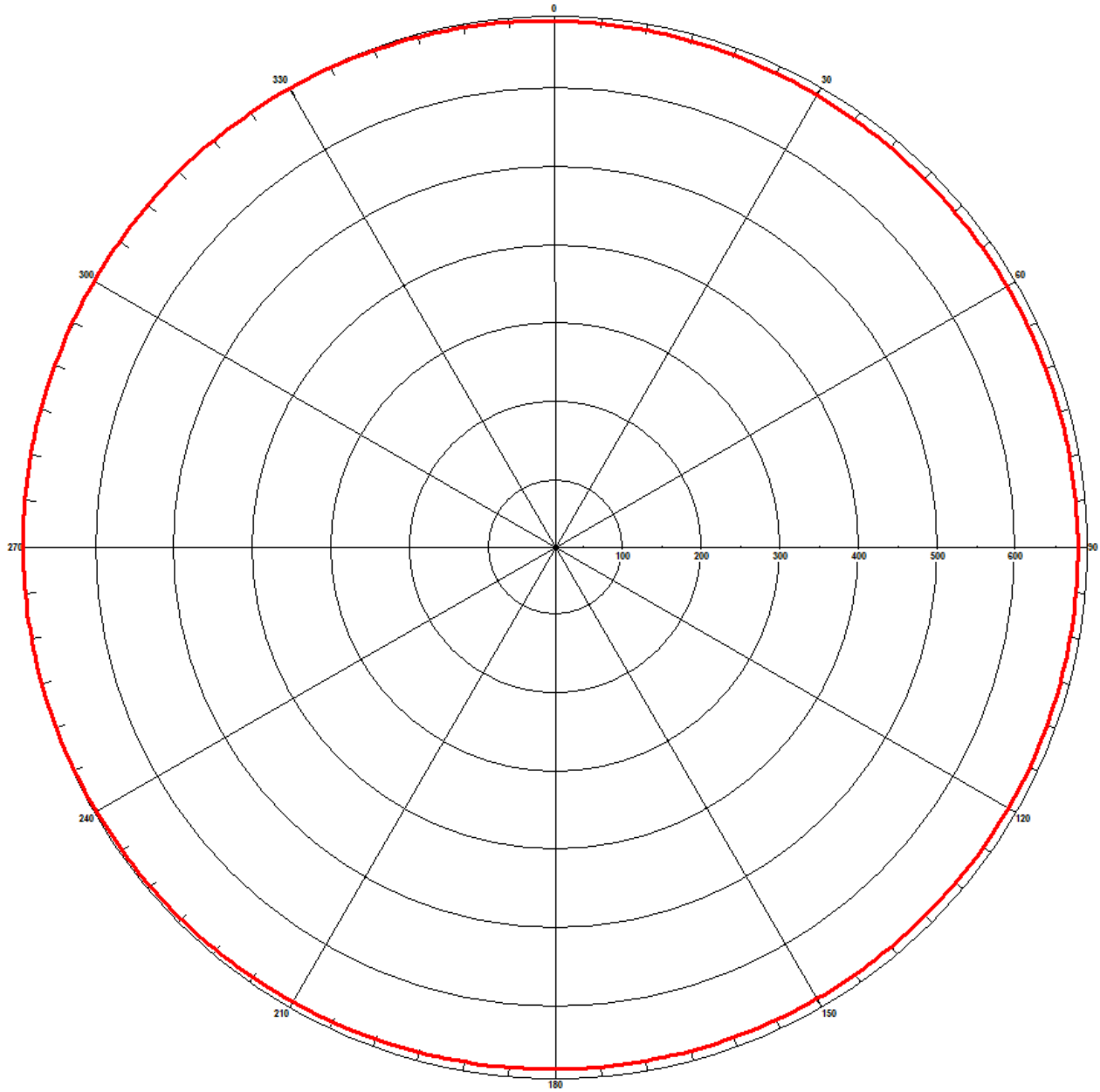
5kW NDD 1km

C:\Users\ccroga\j\aw\Documents\MiniNEC Files\WGVL\WESC Day 11-30-2020, 10:16:12

Geographic coordinates: E-theta magnitude rms, mv/m, elevation = 0 degrees

minimum = 13.5, maximum = 691., dynamic range = 677.09, scale = 1

Maximum gain: 690.6 rms, mv/m at 292. deg
.66 MHz



RFR Compliance

Operation of WESC at 5 kW daytime will not result in exposure of workers or the general public to RF radiation in excess of levels specified in 47CFR 1.1310. Fences have been installed around all tower bases to comply with the minimum distance which exceeds the distances specified in OET Bulletin 65 for this frequency, calculated power levels in the towers and tower height to prevent electric and magnetic exposure greater than permissible levels. These fences limit access by the general public. If it becomes necessary for workers to enter the tower base areas for maintenance, the station will either reduce power or cease operation to provide RFR safety for the workers.

Ground System Description

WESC will utilize the existing ground system of WGVL: No changes were made to the ground system which consists of 120, 58.5 meter equally spaced, buried copper wire radials, plus expanded mesh copper screens at the base of each tower. Radials shortened and bonded to copper strap where they would overlap between towers.

Diplex Agreement

This agreement is entered into this 7th day of December, 2020 by Capstar TX, LLC, the licensee of WGVL, Facility ID No. 59821 and Clear Channel Broadcasting, Inc., licensee of WESC, Facility ID No. 4678 (the stations).

Agreed

As the stations share a common broadcast antenna system (diplexed) and that such operation requires common filters, traps, and other equipment to prevent interaction, intermodulation and / or the generation of spurious radiation products which may be caused by common usage of the same antenna system by the stations, this agreement is to affix responsibility of each station with regard to the installation and maintenance of such equipment.

As the stations are presently under common ownership the assignment of responsibility is moot at this time. In the event of the stations no longer being under common control as may occur in the transfer of one or more of the stations, the licensees will negotiate an agreement with the parties involved affixing that responsibility appropriately.

Counterparts

In witness whereof, Capstar TX, LLC and Clear Channel Broadcasting Licenses, Inc., licensees of the stations, have signed this agreement as of the day and year first above written.

- Capstar TX, LLC, licensee of WGVL(AM).
- Clear Channel Broadcasting Licenses, Inc, licensee of WESC(AM)



Stephen G Davis, SVP Engineering

Program Test Authority – WESC (AM)

The licensee respectfully requests program test authority to operate at five kilowatts as indicated on the construction permit.