

READ INSTRUCTIONS CAREFULLY
BEFORE PROCEEDING

FEDERAL COMMUNICATIONS COMMISSION
REMITTANCE ADVICE
FORM 159

Approved by OMB
3060-0589
Page No 1 of 1

(1) LOCKBOX # 979089					
SECTION A - PAYER INFORMATION					
(2) PAYER NAME (if paying by credit card enter name exactly as it appears on the card) JMD, Inc.			(3) TOTAL AMOUNT PAID (U.S. Dollars and cents) \$725.00		
(4) STREET ADDRESS LINE NO.1 P.O. Box 2639					
(5) STREET ADDRESS LINE NO. 2					
(6) CITY Gulfport			(7) STATE MS	(8) ZIP CODE 39505	
(9) DAYTIME TELEPHONE NUMBER (include area code) (228) 896-5500			(10) COUNTRY CODE (if not in U.S.A.)		
FCC REGISTRATION NUMBER (FRN) REQUIRED					
(11) PAYER (FRN) 0004073110					
IF MORE THAN ONE APPLICANT, USE CONTINUATION SHEETS (FORM 159-C) COMPLETE SECTION BELOW FOR EACH SERVICE, IF MORE BOXES ARE NEEDED, USE CONTINUATION SHEET					
(13) APPLICANT NAME Dowdy & Dowdy Partnership					
(14) STREET ADDRESS LINE NO.1 P.O. Box 2639					
(15) STREET ADDRESS LINE NO. 2					
(16) CITY Gulfport			(17) STATE MS	(18) ZIP CODE 39505	
(19) DAYTIME TELEPHONE NUMBER (include area code) (228) 896-5500			(20) COUNTRY CODE (if not in U.S.A.)		
FCC REGISTRATION NUMBER (FRN) REQUIRED					
(21) APPLICANT (FRN) 0004073128					
COMPLETE SECTION C FOR EACH SERVICE, IF MORE BOXES ARE NEEDED, USE CONTINUATION SHEET					
(23A) CALL SIGN/OTHER ID WROA		(24A) PAYMENT TYPE CODE MMR		(25A) QUANTITY 1	
(26A) FEE DUE FOR (PTC)		(27A) TOTAL FEE \$725.00			
(28A) FCC CODE 1 17478		(29A) FCC CODE 2 Gulfport, MS			
(23B) CALL SIGN/OTHER ID		(24B) PAYMENT TYPE CODE		(25B) QUANTITY	
(26B) FEE DUE FOR (PTC)		(27B) TOTAL FEE			
(28B) FCC CODE 1		(29B) FCC CODE 2			
SECTION D - CERTIFICATION					
I, <u>John C. Dowdy</u> , certify under penalty of perjury that the foregoing and supporting information is true and correct to the best of my knowledge, information and belief.					
SIGNATURE <u>John C. Dowdy</u>			DATE <u>3/16/2020</u>		
SECTION E - CREDIT CARD PAYMENT INFORMATION					
ACCOUNT NUMBER <u>4802 1370 8136 1240</u> MASTERCARD <input type="checkbox"/> VISA <input checked="" type="checkbox"/> AMEX <input type="checkbox"/> DISCOVER <input type="checkbox"/>					
EXPIRATION DATE <u>08/2023</u>					
I hereby authorize the FCC to charge my credit card for the service(s)/authorization herein described.					
SIGNATURE <u>John C. Dowdy</u>			DATE <u>3/16/2020</u>		

Law Offices
Putbrese Hunsaker & Trent, P.C.

A Professional Corporation
200 S. Church Street
Woodstock, Virginia 22664

Tel: (540) 459-7646
Fax: (540) 459-7656
Website: www.phtpclaw.com

John C. Trent

Of Counsel:

Cary S. Tepper*

Howard Weiss

Keith E. Putbrese (Retired)

David M. Hunsaker

(1944-2002)

*Not Admitted in Virginia

March 16, 2020

VIA FEDEX

Federal Communications Commission
Media Bureau
P.O. Box 979089
St. Louis MO 63197-9000

Re: Resubmission of FCC Form 302-AM; Radio Station WROA (AM),
Gulfport, MS (FAC# 17478); License to Cover Construction Permit
BP-20170428AAU

Dear Madam Secretary:

On behalf of Dowdy & Dowdy Partnership, the Licensee of Radio Station WROA (AM), Gulfport, MS (FAC# 17478), please find attached in triplicate the resubmission of FCC Form 302-AM License Application to cover Construction Permit BP-20170428AAU. This Form was originally received by the FCC on March 6, 2020, but was returned due to the wrong filing amount code; this code has been corrected.

The Staff should note that this 302-AM application involves a duplex with WGCM (AM), Gulfport, MS (FAC# 31216). WGCM is an affiliated company of the Licensee. WGCM is currently operating under Special Temporary Authority (See BSTA-20191107AAC).

In addition to the Form 302-AM, there is attached FCC Form 159, together with credit card information for the requisite filing fee of \$725.00.

If you have any questions, please contact this office.

Very truly yours


John C. Trent

cc: WROA Public Inspection File

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) <p style="text-align: center;">Dowdy & Dowdy Partnership</p>																									
MAILING ADDRESS (Line 1) (Maximum 35 characters) P.O. Box 2639																									
MAILING ADDRESS (Line 2) (Maximum 35 characters)																									
CITY Gulfport	STATE OR COUNTRY (if foreign address) MS	ZIP CODE 39505																							
TELEPHONE NUMBER (include area code) (228) 896-5500	CALL LETTERS WROA	OTHER FCC IDENTIFIER (If applicable) 17478																							
2. A. Is a fee submitted with this application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																									
B. If No, indicate reason for fee exemption (see 47 C.F.R. Section																									
<input type="checkbox"/> Governmental Entity <input type="checkbox"/> Noncommercial educational licensee <input type="checkbox"/> 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)	(B)	(C)																							
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="3" style="text-align: center;">FEE TYPE CODE</td></tr> <tr><td style="text-align: center;">M</td><td style="text-align: center;">M</td><td style="text-align: center;">R</td></tr> </table>	FEE TYPE CODE			M	M	R	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="4" style="text-align: center;">FEE MULTIPLE</td></tr> <tr><td style="text-align: center;">0</td><td style="text-align: center;">0</td><td style="text-align: center;">0</td><td style="text-align: center;">1</td></tr> </table>	FEE MULTIPLE				0	0	0	1	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2" style="text-align: center;">FEE DUE FOR FEE TYPE CODE IN COLUMN (A)</td></tr> <tr><td colspan="2" style="text-align: center;">\$ 725.00</td></tr> </table>	FEE DUE FOR FEE TYPE CODE IN COLUMN (A)		\$ 725.00		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2" style="text-align: center;">FOR FCC USE ONLY</td></tr> <tr><td colspan="2" style="height: 20px;"> </td></tr> </table>	FOR FCC USE ONLY			
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M	M	R																							
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0	0	0	1																						
FEE DUE FOR FEE TYPE CODE IN COLUMN (A)																									
\$ 725.00																									
FOR FCC USE ONLY																									
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)																							
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="width: 30px; height: 20px;"> </td><td style="width: 30px; height: 20px;"> </td><td style="width: 30px; height: 20px;"> </td></tr> </table>				<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="text-align: center;">0</td><td style="text-align: center;">0</td><td style="text-align: center;">0</td><td style="text-align: center;">1</td></tr> </table>	0	0	0	1	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="text-align: center;">\$</td><td style="width: 100px; height: 20px;"> </td></tr> </table>	\$		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2" style="text-align: center;">FOR FCC USE ONLY</td></tr> <tr><td colspan="2" style="height: 20px;"> </td></tr> </table>	FOR FCC USE ONLY												
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ADD ALL AMOUNTS SHOWN IN COLUMN C, AND ENTER THE TOTAL HERE. THIS AMOUNT SHOULD EQUAL YOUR ENCLOSED REMITTANCE.		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2" style="text-align: center;">TOTAL AMOUNT REMITTED WITH THIS APPLICATION</td></tr> <tr><td colspan="2" style="text-align: center;">\$ 725.00</td></tr> </table>	TOTAL AMOUNT REMITTED WITH THIS APPLICATION		\$ 725.00		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2" style="text-align: center;">FOR FCC USE ONLY</td></tr> <tr><td colspan="2" style="height: 20px;"> </td></tr> </table>	FOR FCC USE ONLY																	
TOTAL AMOUNT REMITTED WITH THIS APPLICATION																									
\$ 725.00																									
FOR FCC USE ONLY																									

SECTION II - APPLICANT INFORMATION		
1. NAME OF APPLICANT Dowdy & Dowdy Partnership		
MAILING ADDRESS P.O. Box 2639		
CITY Gulfport	STATE MS	ZIP CODE 39505

2. This application is for:

- Commercial Noncommercial
 AM Directional AM Non-Directional

Call letters WROA	Community of License Gulfport, MS	Construction Permit File No. BP-20170428AAU	Modification of Construction Permit File No(s).	Expiration Date of Last Construction Permit 08/16/2020
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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 <i>MORGAN DOWDY</i>	Signature <i>Morgan Dowdy</i>	
Title <i>Partner</i>	Date <i>3-3-20</i>	Telephone Number <i>228-896-5500</i>

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
Dowdy & Dowdy Partnership

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)

- Station License
 Direct Measurement of Power

1. Facilities authorized in construction permit

Call Sign WROA	File No. of Construction Permit (if applicable) BP-20170417AAU	Frequency (kHz) 1390	Hours of Operation 24	Power in kilowatts	
				Night .035	Day 900

2. Station location

State Mississippi	City or Town Gulfport
-----------------------------	---------------------------------

3. Transmitter location

State Ms	County Harrison	City or Town Gulfport	Street address (or other identification) 11030 Richold Rd
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4. Main studio location

State Ms	County Harrison	City or Town Gulfport	Street address (or other identification)
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5. Remote control point location (specify only if authorized directional antenna)

State	County	City or Town	Street address (or other identification)
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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 0.31	RF common point or antenna current (in amperes) without modulation for day system 1.56
Measured antenna or common point resistance (in ohms) at operating frequency Night 370 Day 370	Measured antenna or common point reactance (in ohms) at operating frequency Night -145 Day -145

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 GTower	Overall height in meters of radiator above base insulator, or above base, if grounded. 63.7	Overall height in meters above ground (without obstruction lighting) 65	Overall height in meters above ground (include obstruction lighting) 66.4	If antenna is either top loaded or sectionalized, describe fully in an Exhibit. Exhibit No.
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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 30 ° 25 ' 45.6 "	West Longitude 89 ° 1 ' 8.2 "
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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.
N/A

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

Exhibit No.
N/A

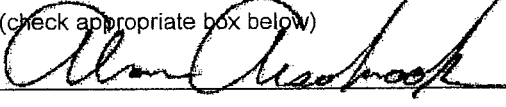
10. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit?

N/A

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

N/A

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) Alan H Alsobrook	Signature (check appropriate box below) 
Address (include ZIP Code) 13 Matanzas Cir St. Augustine Fl. 32080-5346	Date 02/28/2020
	Telephone No. (Include Area Code) (904) 829-8885

- Technical Director
- Chief Operator
- Other (specify)
- Registered Professional Engineer
- Technical Consultant

Base Impedance Measurement
For

WROA
1390 KHz
Gulfport Ms
FCC ID 17478

February 27, 2020

Measurements taken by
Alan Alsobrook
Alsobrook Electronics
13 Matanzas Circle
St. Augustine Fl. 32080
(904) 829-8885

General

These pages document the procedures and results of the measurements required by title 47 section 1.30003, as specified in section 73.154 of the Code of Federal Regulations, to demonstrate compliance with AM antenna base impedance.

Measurement Procedure

A network analyzer was used at the measurement point to determine the base impedance over an appropriate range on both sides of the operating frequency. The calibration of the network analyzer was verified on site immediately prior to making measurements. The measurement was made at the output of the Diplexor.

Equipment list

Network Analyzer..... Power Aim 120 - SN1065

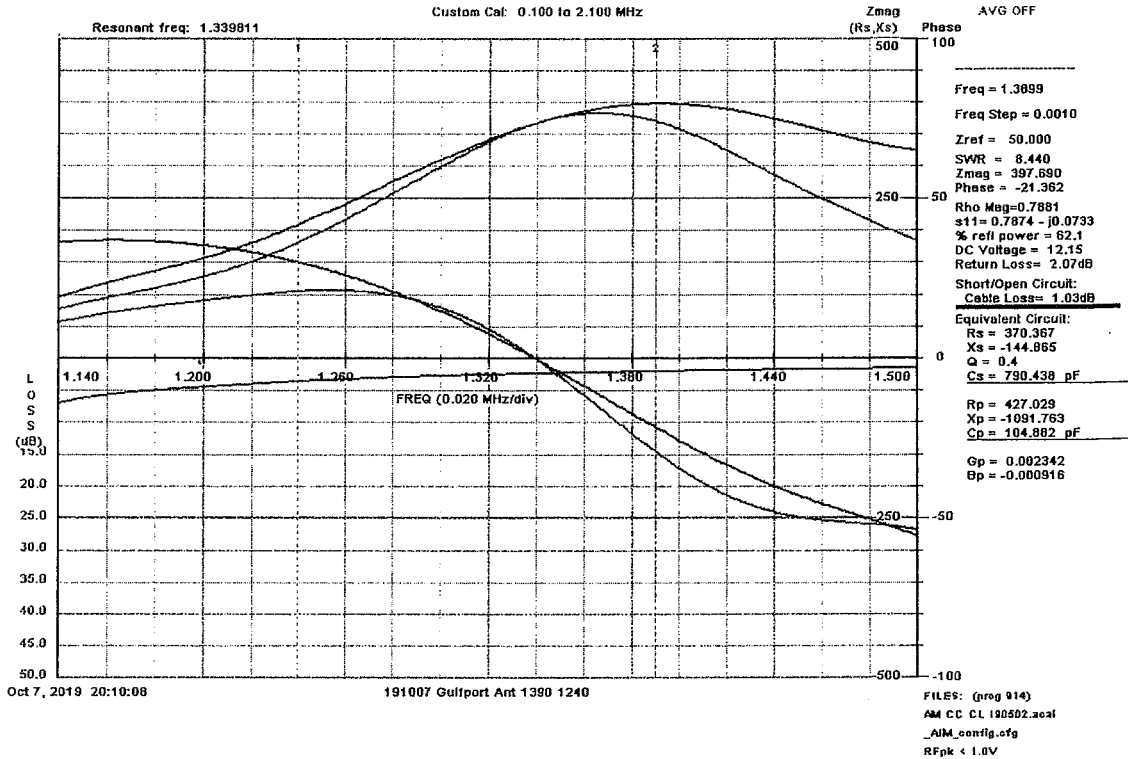
Technical Qualifications

All measurements were made by Alan Alsobrook, who is a Certified Senior Radio Engineer #3338 by the SBE, and also holds FCC General Radio Telephone Operators License PG-6-11216. Mr. Alsobrook has served as a Radio Engineer since 1977.



Alan H Alsobrook

Measurement of Antenna Base Impedance



Oct 7, 2019 20:10:08
Reference Z = 50 + j 0

Marker	Freq	SWR	Rs	Xs	Zmag	Phase
[1]	1.240000	4.9008	180.951	104.664	209.041	30.046
[2]	1.390000	8.4293	370.287	-145.080	397.694	-21.396

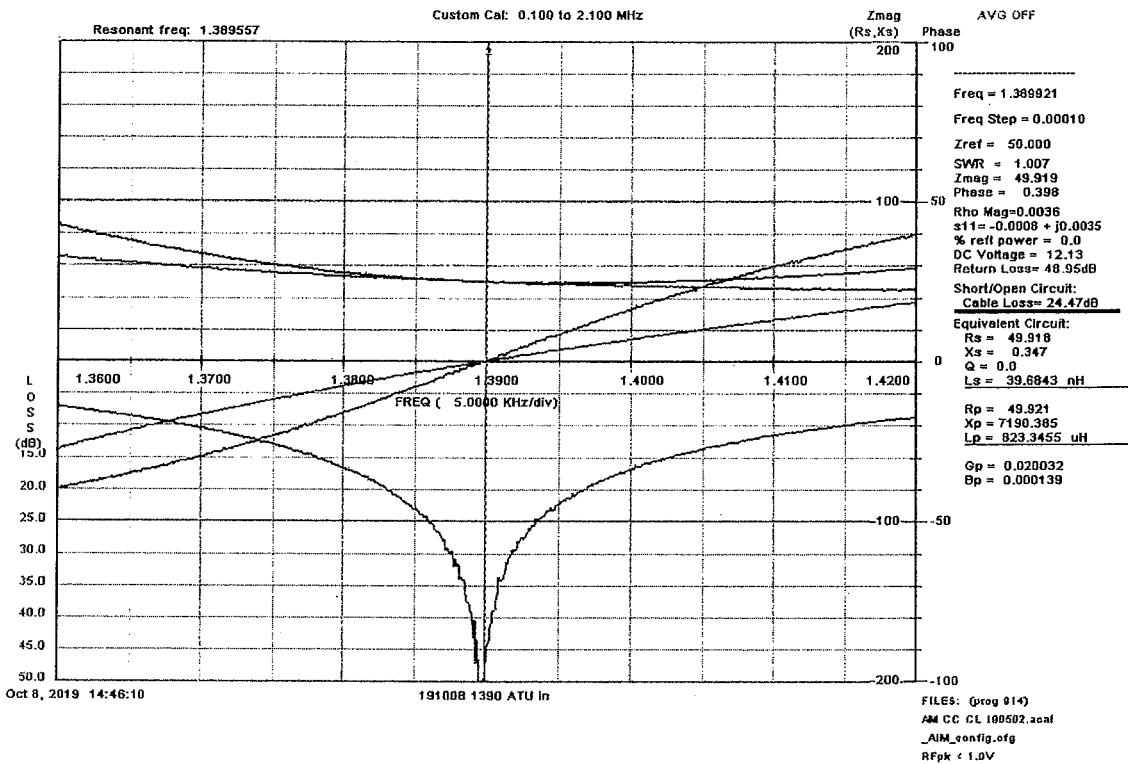
The above graph indicates that the AM antenna base impedance was measured as 370.287 (370) Ohms Resistance and -145.080 (-145) Ohms reactance (capacitive) at the operating Frequency of 1390 KHz.

2/27/20

WROA
900 Watts ND Day 35W ND-N

1390 KHz

Antenna Tuning Unit input impedance



Once the radiator input impedance was determined adjustments were made to the network of the Antenna Tuning Unit to provide the desired Impedance to the Transmitter of 50 Ohms resistive. The graph above shows that the results of those adjustments.

AM Diplexor Spurious Emission Measurements

WGCM
1240 KHz
Gulfport Ms.
FCC ID 31216
&
WROA
1390 KHz
Gulfport Ms.
FCC ID 17478

November 24, 2019

Measurements taken by
Alan Alsobrook
Alsobrook Electronics
13 Matanzas Cir.
St. Augustine Fl. 32080
(904) 829-8885

WGCM -vs- WROA
Spurious Emission Study
Upon Combining 1240 kHz 1 KW with 1390 kHz 0.9 kW
Gulfport, Mississippi
 November 2019

The measurement data was conducted on the combined facilities of WGCM 1240 kHz 1 kW ND and WROA 1390 kHz 0.9 kW ND. Measurements were made at 1.0 km from the common antenna.

Relationship	Freq. kHz	Decibels below WROA
-1*Fixed1+1*Fixed2	150	ND
-2*Fixed1+2*Fixed2	300	ND
-3*Fixed1+3*Fixed2	450	ND
-4*Fixed1+4*Fixed2	600	ND *1
+5*Fixed1-4*Fixed2	640	ND *1
-5*Fixed1+5*Fixed2	750	ND *1
+4*Fixed1-3*Fixed2	790	ND *1
+3*Fixed1-2*Fixed2	940	ND *1
+2*Fixed1-1*Fixed2	1090	-87
-1*Fixed1+2*Fixed2	1540	-84
-2*Fixed1+3*Fixed2	1690	*1
-3*Fixed1+4*Fixed2	1840	ND
-4*Fixed1+5*Fixed2	1990	ND
+5*Fixed1-3*Fixed2	2030	ND
+4*Fixed1-2*Fixed2	2180	ND
+3*Fixed1-1*Fixed2	2330	ND
+2*Fixed1	2480	-92
+1*Fixed1+1*Fixed2	2630	ND
+2*Fixed2	2780	-80
-1*Fixed1+3*Fixed2	2930	ND
-2*Fixed1+4*Fixed2	3080	ND
-3*Fixed1+5*Fixed2	3230	ND
+5*Fixed1-2*Fixed2	3420	ND
+4*Fixed1-1*Fixed2	3570	ND
+3*Fixed1	3720	ND
+2*Fixed1+1*Fixed2	3870	ND
+1*Fixed1+2*Fixed2	4020	ND
+3*Fixed2	4170	ND
-1*Fixed1+4*Fixed2	4320	ND
-2*Fixed1+5*Fixed2	4470	ND
+5*Fixed1-1*Fixed2	4810	ND
+4*Fixed1	4960	ND

*1 Due to proximity to the Gulf Coast and Propagation conditions at time of measurement distant AM stations were noted at every channel allotment.

F1 (1240 kHz)

Effective Field at 1 km _____ mV/m – Theo RMS 306 mV/m/km/1 kW
Antenna Impedance Resistance 181 Ω · - Reactance +104 Ω · ,
Base Current 2.35A

F2 (1390 kHz)

Effective Field at 1 km _____ mV/m – Theo RMS 316 mV/m/km/0.9 kW
Antenna Impedance Resistance 370 Ω · - Reactance -145 Ω · ,
Base Current 2.85A

F1 = 1240 kHz, F2 = 1390 kHz, D = 150 kHz

Measurements show all spurious content is suppressed greater than 73db of the carrier content of either station. This indicates full compliance with FCC rules.

Measurement Procedure

A swept frequency RF spectrum analyzer with a resolution of 100 Hz was used for these measurements. The signal was received from a untuned shielded loop antenna pointed towards the radiating element. Also a Potomac FIM 41 AM field Strength meter was used in conjunction to determine measurements.

Equipment list

Spectrum Analyzer..... Anritsu 2721B
Precision Communications Receiver Potomac FIM-41



Alan H Alsobrook