Federal Communications Commission Washington, D. C. 20554

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Approved by OMB 3060-0627 Expires 01/31/98



FILE NO.

FOR COMMISSION USE ONLY

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20150625ACa

FCC 302-AM

APPLICATION FOR AM

BROADCAST STATION LICENSE

(Please read instructions before filling out form.

SECTION I - APPLICANT FEE INFORMATION			
1. PAYOR NAME (Last, First, Middle Initial)			
Major Market Stations, Inc.			
MAILING ADDRESS (Line 1) (Maximum 35 characters) 210 Radio Road			
MAILING ADDRESS (Line 2) (Maximum 35 characters)			5 In .
CITY Corona	STATE OR COUNTRY (if for CA	reign address)	ZIP CODE 91719
TELEPHONE NUMBER (include area code) 818-243-4740	CALL LETTERS KWRM	OTHER FCC IDE 39692	NTIFIER (If applicable)
2. A. Is a fee submitted with this application?	2 ×		✓ Yes No
B. If No, indicate reason for fee exemption (see 47 C.F.R. Section			
Governmental Entity Noncommercial educ	cational licensee	her (Please explain):
C. If Yes, provide the following information:			
Enter in Column (A) the correct Fee Type Code for the service you a	are applying for. Fee Type Co	des may be found	in the "Mass Media Services
Fee Filing Guide." Column (B) lists the Fee Multiple applicable for thi	s application. Enter fee amour	nt due in Column (C).
(A) (B)	(0)		
	FEE DUE FOR FEE		
FEE TYPE FEE MULTIPLE	TYPE CODE IN COLUMN (A)		FOR FCC USE ONLY
M M R 0 0 1	\$ 690.00		¥.
To be used only when you are requesting concurrent actions which res	sult in a requirement to list mor	e than one Fee Typ	e Code.
(A) (B)	(C)		
M O R 0 0 1	\$ 790.00		FOR FCC USE ONLY
ADD ALL AMOUNTS SHOWN IN COLUMN C,	REMITTED WITH TH	IS	FOR FCC USE ONLY
AND ENTER THE TOTAL HERE. THIS AMOUNT SHOULD EQUAL YOUR ENCLOSED	\$ 1480.00		
REMITTANCE.			

	TUEODIATION			+	
1. NAME OF APPLICANT					
Major Market Stations, Inc.					
MAILING ADDRESS 210 Radio Road		,			· · · · · · · · · · · · · · · · · · ·
CITY Corona			STATE CA		ZIP CODE 91719
2. This application is for:	:				
	Commercial	[Noncomn	nercial	
	AM Direc	ctional		lon-Directional	
Call letters	Community of License	Construct	ion Permit File No.	Modification of Construct	ion Expiration Date of Last
KWRM	Corona, CA	n/a		n/a	Construction Permit n/a
3. Is the station n	ow operating pursuant	to autor	natic program	test authority in ¹	N/A Yes No
accordance with 47 C.F	.R. Section 73.1620?				Exhibit No.
If No, explain in an Exhi	ibi t .				
 Have all the term construction permit bee 	s, conditions, and oblig n fully met?	ations se	et forth in the	above described	VA Yes No
	See further	discussior	n in Engineering S	Section III Question 10.	Exhibit No.
If No, state exceptions i	n an Exhibit.				
5. Apart from the chan the grant of the underly representation contains	ges already reported, ha lying construction permit d in the construction per	s any cau which w	use or circumsta vould result in a	ance arisen since	I/A Yes No
		пісаррію		inconecty	Exhibit No.
If Yes, explain in an Ex	hibit.				
6. Has the permittee fil	od ite Ownershin Banart				Yes No
certification in accordan	ce with 47 C.F.R. Sectior	173.3615	i(b)?	ersnip	N/A
					Does not apply
lf No, explain in an Exhi	bit.				Exhibit No.
7. Has an adverse find or administrative body w criminal proceeding, bro felony; mass media re another governmental u	ing been made or an adv vith respect to the applica ought under the provision plated antitrust or unfai nit; or discrimination?	verse fina int or par s of any l r compe	I action been ta ties to the applic law relating to th tition; fraudulen	ken by any court cation in a civil or ne following: any it statements to	Yes 🗸 No
If the answer is Yes, a involved, including an id (by dates and file numl information has been required by 47 U.S.C. So of that previous submiss the call letters of the st was filed, and the date of	ttach as an Exhibit a fu lentification of the court o bers), and the dispositio earlier disclosed in cor ection 1.65(c), the applica- sion by reference to the ation regarding which th of filing; and (ii) the dispos	Il disclos r adminis n of the nection ant need file numb e applica sition of th	ure of the perse strative body and litigation. Whe with another a only provide: (i) per in the case of tion or Section he previously rep	ons and matters d the proceeding ere the requisite pplication or as) an identification of an application, 1.65 information ported matter.	Exhibit No.

FCC 302-AM (Page 2) August 1995

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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 idense 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?

If Yes, provide particulars as an Exhibit

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 882 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).

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.

Nán e	Signat_io	
Dr. Marilynn Kramar	- quello Cional	
Title President	Daxe Telephone Number 6/22/2015 818-243-4740	

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 tak 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 on the processing may be delayed while a request is made to provide the missing information. Your response is required to obtain the requested authorization.

Public repeting burden for this collection of information is estimated to average 659 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 purden estimate or any effect espect of this collection of information, including suggestions for reducing the burden can be sent to the Paderal Communications Commission. Records Management Branch. Paderwork Reduction Project (2060-0021). Vaphington, DIC, 20554, Do NOT send completed forms to this address.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974 PLL B3 579, DECEMBER 31, 1974 5 U.S.C. 562a(ar3), AND THE PAPERWORK REDUCTION ACT OF 1980 PL 96-911 DECEMBER 11, 1980 44 U.S.C. 3507



Exhibit No.

SECTION III - LICENSE APPLICATION ENGINEERING DATA

Name of Applicant

Major Market Stations, Inc.

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)

	Station License	Direct Meas	urement of Power			
1. Facilities auth	norized in construction permit			······································	•• •• ••	
Call Sign	File No. of Construction Permit	Frequency	Hours of Operation	Power in kilowatts		
KWRM(AM)	(if applicable) N/A	^(kHz) 1370 kHz	Unlimited	^{Night} 2.5 kW	Day 5.0 kW	
2. Station location	on				· · · · · · · · · · · · · · · · · · ·	
State			City or Town			
California			Corona			
3. Transmitter lo	ocation					
State	County		City or Town	Street address (or other identification) 210 Radio Road		
California	Riverside		Corona			
4. Main studio lo	ocation			· · · · · · · · · · · · · · · · · · ·		
State	County		City or Town	Street address		
California	Riverside		Corona	210 Radio R	ation) Dad	
5. Remote contr	ol point location (specify only if au	thorized direction	al antenna)			
State	County		City or Town	Street address		
California	Riverside		Corona	210 Radio R	ation) Oad	

6.	Has type-approved stereo generating equipment been installed?		Yes	V No
7.	Does the sampling system meet the requirements of 47 C.F.R. Section 73.68?	\checkmark	Yes	No No
			Not A	pplicable
				the second s

Attach as an Exhibit a detailed description of the sampling system as installed.

RF common point or antenna cu modulation for Night System	ırrent (in ampere	s) without	RF common point or antenna current (in amperes) without				
		10).39 amperes	3			
Measured antenna or common µ operating frequency Night	ooint resistance Day	(in ohms) at	Measured ant operating freq Night	enna or common p uency	point reactance (ii Day	n ohms) at	
50.0 ohms 50.0 ohms			+j 0.	0 ohms	+j 0.	0 ohms	
Antenna indications for direction	al operation						
Towers	Antenn Phase readin	a monitor g(s) in degrees	Antenna monitor sample current ratio(s)		Antenna base currents		
	Night	Day	Night	Day	Night	Day	
Southwest Tower	-145.0°	-81.0°	0.709	0.090	N/A	N/A	
Northwest Tower	49 cm 44	-172.0°		0.560		N/A	
Center Tower	0.0°	0.0°	1.000	1.000	N/A	N/A	
Southeast Tower		+158.0°		0.540		N/A	
Northeast Tower	+110.0°	-130.0°	0.550	0.055	N/A	N/A	
Manufacturer and type of antenr	na monitor: D	otomac Instru	ments AM-1	L Q(204)			

Exhibit No.

SECTION III - Page 2

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

Type Radiator Five (5) uniform cross- section steel towers of equal height mounted on concrete base piers	Overall height in meters of radiator above base insulator, or above base, if grounded. NW = 60.8 m NE & C = 60.8 m	Overall height in meters above ground (without obstruction lighting) NW = 61.5 m NE & C = 61.8 m	Overall height in meters above ground (include obstruction lighting) NW = 62.4 m NE & C = 62.7 m	If antenna is either top loaded or sectionalized, describe fully in an Exhibit. Exhibit No.
	SE & SW = 60.8 m	SE & SW = 62.2 m	SE & SW = 63.1 m	
Excitation	Series	ASR (SV ASR (NV ASR (C)	V) = 1292909 ASR (S V) = 1292808 ASR (N = 1292910	E) = 1292809 IE) = 1292911
Coorenable as andirates	4	ASR (C)	= 1292910	

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

North Latitude	33 °	52 '	52 "	West Longitude	117 °	32 '	33 "
		······································	*****		å		

Exhibit No.

Exhibit No.

If not fully described above, attach as an Exhibit further details and dimensions including any other antenna mounted on tower and associated isolation circuits.

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

10. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit? The apparatus, as constructed, does not differ from that described in the current license. This Form 302-AM Daytime Direct Measurement of Power and Partial Proof of Performance is being filed in response to tree root damage and repairs made solely to the Daytime Northwest and Daytime Southeast Tower Transmission and Sample Lines. No changes to the Nighttime operation are required at this time.

Discrepancy Note

KWRM(AM) employs a 5-Tower array laid out in an "X" formation. Current License BL-19811218AD identifies the Center Tower as "Tower 3"; while the FCC's AM Query Database identifies the Center Tower as "Tower 1". As the applicant is uncertain which numbering scheme the FCC wishes to utilize, towers here-in have been identified cardinally as "Center", "Northeast", "Southeast", "Northwest" and "Southwest". The applicant seeks clarification from the Commission on this issue.

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

The Daytime Common Point Resistance and Reactance Measurement has been retake and supplied here-in. The Nighttime Common Point Resistance and Reactance Measurement remains unchanged.

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) Justin W. Asher	Signature (check appropriate box below)
Address (include ZIP Code) Munn-Reese, Inc.	Date June 22, 2015
PO Box 220; 385 Airport Drive Coldwater, MI 49036	Telephone No. (Include Area Code) 1(517)278-7339
Technical Director	Registered Professional Engineer
Chief Operator	Technical Consultant
Other (specify)	

Corona, CA – KWRM(AM) Vertical Plan of Antenna System



Drawing is not to Scale

oadcast Engineering Consultar Coldwater, MI 49036 1(517)278-7339

ENGINEERING REPORT

PARTIAL PROOF OF PERFORMANCE

on

KWRM(AM) – Corona, CA (1370 kHz) License File Number BL-19811218AD Facility ID No. 39692

June, 2015

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- 2. Certification of Engineer(s)
- 3. Discussion of Report
- 4. Exhibit 1.1 -Tabulation of Daytime Radial(s) 53.0°T & 83.0°T
- 5. Exhibit 1.2 -Tabulation of Daytime Radial(s) 153.0°T & 216.0°T
- 6. Exhibit 1.3 -Tabulation of Daytime Radial 253.0°T
- 7. Exhibit 2.1 -Tabulation of Daytime Ratios and Daytime Operating Constants
- 8. Exhibit 3.1 Summary of Daytime MP Descriptions, Directions & Photos

Certification of Engineers

The firm of Munn-Reese, Inc., Broadcast Engineering Consultants, with offices at 385 Airport Drive, Coldwater, Michigan, has been retained for the purpose of preparing the technical data forming this report.

The data utilized in this report is based on field measurements made by the undersigned, or others under the supervision of the undersigned, on the dates and times indicated in the report.

The report has been prepared by properly trained electronics specialists under the direction of the undersigned whose qualifications are a matter of record before the Federal Communications Commission.

I declare under penalty of perjury that the contents of this report are true and accurate to the best of my knowledge and belief.

June 22, 2015

MUNN-REESE, INC.

By

385 Airport Drive, PO Box 220 Coldwater, Michigan 49036

Telephone: 517-278-7339

Discussion

The firm of Munn-Reese, Inc., was retained to prepare this report detailing a Partial Proof of Performance on the daytime facilities of AM Radio Station KWRM(AM) - Corona, CA (Facility ID No. 39692), License No. BL-19811218AD. This Partial Proof of Performance and associated Form 302-AM Direct Measurement of Power Filing are being filed in response to current Special Temporary Authority Extension BESTA-20150204AAL. Due to tree root damage, extensive repairs to the KWRM(AM) daytime only Northwest and daytime only Southeast tower transmission and sample lines have been made. No changes to the nighttime towers, nighttime transmission or sample lines, or nighttime array have been made. Therefore, no Partial Proof of Performance been prepared for the nighttime operation.

KWRM(AM) - Corona, CA currently operates on 1370 kHz with 5.0 kW of daytime directional power employing a five (5) tower array. KWRM(AM) also operates with 2.5 kW of nighttime directional employing a three (3) tower array. The three nighttime towers are common to the five tower daytime array.

The applicant would like to note that KWRM(AM) employs a five (5) Tower array laid out in an "X" formation with current License BL-19811218AD identifying the Center Tower as "Tower 3". However, the FCC's AM Query Database identifies the Center Tower as "Tower 1". As the applicant is uncertain which numbering scheme the FCC wishes to utilize, towers here-in have been identified cardinally as "Center", "Northeast", "Southeast", "Northwest" and "Southwest". The applicant seeks clarification from the Commission on this issue.

The applicant would also like to note that while the currently issued KWRM(AM) License BL-19811218AD does contain the daytime operational parameters, BL-19811218AD, is actually reflective of the most recent Nighttime Full Proof of Performance. The most recent Daytime Full Proof of Performance was submitted under former license application BL-12778(L), filed on March 6, 1970 and granted on March 5, 1971 (submitted under previous call letters KREL(AM)). Therefore, while the daytime licensed operating parameters are included in the most recent BL-19811218AD license, the most recent Daytime Full Proof of Performance remains the 1970 BL-12778(L) License filing.

Daytime directional field strength measurements were conducted by Mr. Richard Vosper, a sub-contracted engineer in the employ of KWRM(AM) Licensee, Major Market Stations, Inc.. Mr. Vosper made his measurements using Potomac Instruments Field Intensity Meter, Model FIM-21, Serial Number 210. FIM-21 Field Meter #210 was compared against Potomac Instruments Field Intensity Meter, Model FIM-41, Serial Number 1432, last calibrated 06/19/2015 and found to be within good working order. Measurements were taken on the five (5) daytime monitor point radials, meeting the requirements of 47 C.F.R. §73.154 of the FCC Rules. Directional field strength measurements were taken on the dates and at the times indicated in the respective Tabulations of Field Strength Measurements, shown as *Exhibit(s) 1.1* to *1.3*. The tabulation sheets show the distance from the transmitter site to each point in units of kilometers and miles. Concerning the current Partial Proof of Performance measurements, handheld GPS equipment was utilized in conjunction with original proofing maps and current computer generated proofing maps. The 1970 directional measurements were taken directly from the original 1970 Proof of Performance License Filing BL-12778(L). However, Antenna Monitor values and Monitor Point limits were taken from the most recent KWRM(AM) BL-19811218AD license filing.

Exhibit 2.1 provides a summary of the field intensity measurements made on the daytime directional operation. The former and new Daytime Antenna Monitor operational values have been noted. In addition, a tabulation of the Daytime Monitor Point values and limits has been included as well. Due to substantial suburban growth in the area, new Monitor Points for Radial(s) 53.0°T, 153.0°T and 253.0°T have been chosen. Monitor Points for Radial(s) 83.0°T and 216.0°T remain unchanged, however an updated description of the Radial 83.0°T Monitor Point is requested. Based on the Partial Proof results, revised Monitor Point maximum limits have been requested for all five (5) Monitor Points. Current photos, descriptions and directions to all of the daytime Monitor Points have been included in *Exhibit 3.1*.

As stated before, daytime partial proof measurements were made after the daytime only Northwest and daytime only Southeast tower transmission and sample lines repairs were made. General maintenance was also performed on the daytime array as well. Retuning of the AM phasor was required, however the resulting operating parameters remain wholly within the daytime augmented pattern as presently authorized. In light of the measurements taken and uniform results obtained, the daytime KWRM(AM) operation may be relicensed to the parameters as noted here-in.

Exhibit 1.1 Tabulation of Daytime Radial(s) 53.0°T & 83.0°T

Call:	KWRM(AM)		WRM(AM) Frequency (kHz):		1370 kH	z	Powe	Power (kW):		[
				Bearin	g (°T):	053.0°T					
Point	197	 0 Directi	ional	20	15 Direct	ional	Distance	Distance	Direct		Log
#	mV/m	Time	Date	mV/m	Time	Date	miles	km	Ratio		Ratio
11	26.0	1105	11/07/69	28.0	1520	06/14/15	2.48	3,99	1.0769	-	0.0741
12	21.0	1205	11/07/69	13,5	1510	06/14/15	2.92	4.70	0.6429		-0,4418
13	19.5	1220	11/07/69	15.2	1500	06/14/15	3.18	5.12	0.7795		-0.2491
17	11.5	1255	11/07/69	11.5	1730	06/17/15	4.05	6.52	1.0000	MP	0.0000
18	10.0	1307	11/07/69	11.20	1730	06/11/15	4.75	7.64	1.1200		0.1133
19	7.00	1322	11/07/69	8.00	1745	06/11/15	5.27	8.48	1.1429		0.1335
20	5.80	1340	11/07/69	5.40	1715	06/17/15	5.83	9.38	0.9310		-0.0715
21	4.70	1357	11/07/69	4.90	1655	06/17/15	6.40	10.3	1.0426		0.0417
							Arithme	tic Ratio:	0.9670		
							I.	og Ratio:	0.9513		

Call:	KWRM	(AM)	Fn	equency	(kHz):	1370 kHz		Hz Power (kW): 5.0 kW		5.0 kW	Γ
				Beari	ng (°T):	083.0°T					
Point	197	 0 Direct	ional	20	15 Direct	ional	Distance	Distance	Direct		Log
#	mV/m	Time	Date	mV/m	Time	Date	miles	km	Ratio		Ratio
9	45.0	1230	11/10/69	52.0	1500	06/16/15	2.07	3.33	1,1556		0.1446
10	45.0	1240	11/10/69	53,0	1640	06/09/15	2.24	3.60	1,1778		0.1636
11	36.0	1248	11/10/69	36.0	1545	06/07/15	2.83	4.55	1.0000	MP	0.0000
13	23.0	1320	11/10/69	12.0	1655	06/09/15	4.58	7.37	0.5217	1	-0.6506
14	13.5	1330	11/10/69	11.8	1720	06/09/15	5.45	8,77	0.8741		-0.1346
15	11.5	1343	11/10/69	11.0	1610	06/16/15	6.32	10,2	0.9565		-0.0445
16	6.50	1400	11/10/69	5.80	1530	06/16/15	8.24	13.3	0.8923		-0.1139
17	6,10	1415	11/10/69	4.00	1550	06/16/15	9.30	15.0	0.6557		-0.4220
							Arithme	tic Ratio:	0.9042		
							L	og Ratio:	0.8762		

Exhibit 1.2 Tabulation of Daytime Radial(s) 153.0°T & 216.0°T

Cail:	KWRM(AM)		M) Frequency (kHz):		1370 kH	370 kHz		Power (kW):			
				Bearin	g (°T):	153.0°T					
Point	19	70 Direct	ional	20	l 15 Direct	ional	Distance	Distance	Direct		Log
#	mV/m	Time	Date	mV/m	Time	Date	miles	km	Ratio		Ratio
10	91.0	1212	11/15/69	82.0	1800	06/16/15	2,64	4.25	0.9011		-0.1041
11	85.0	1218	11/15/69	82.0	1610	06/13/15	2.87	4.62	0.9647		-0.0359
13	49.0	1235	11/15/69	43.0	1430	06/10/15	3,57	5.75	0.8776	MP	-0.1306
15	32.0	1255	11/15/69	36.0	1445	06/10/15	4.43	7.13	1.1250		0.1178
16	34.0	1305	11/15/69	40.0	1545	06/13/15	4.80	7.72	1.1765		0.1625
17	25.5	1315	11/15/69	30.2	1745	06/16/15	5.32	8.56	1.1843		0.1692
18	19.0	1330	11/15/69	14.3	1525	06/13/15	6.05	9.74	0.7526		-0.2842
21	9,50	1415	11/15/69	9.50	1715	06/16/15	9.18	14.8	1.0000		0.0000
							Arithme	tic Ratio:	0.9977		
							L	og Ratio:	0.9869		l l

Call:	KWRM(AM)		Fr	Frequency (kHz):		1370 kHz		Power (kW):		5.0 kW	
				Bearin	g (°T):	216.0°Т					
Point	19	70 Directi	onal	201	15 Directi	onal	Distance	Distance	Direct		Log
#	mV/m	Time	Date	mV/m	Time	Date	miles	km	Ratio		Ratio
4	70.0	1452	12/04/69	54.0	1630	06/14/15	1.14	1.83	0.7714		-0.2595
6	60.0	1425	12/04/69	46.0	1640	06/14/15	1.42	2.29	0.7667		-0.2657
7	44.0	1415	12/04/69	42.0	1645	06/14/15	1.52	2.45	0.9545	MP	-0.0465
8	40.0	1405	12/04/69	26.4	1650	06/14/15	1.72	2.77	0.6600		-0.4155
9	37.0	1355	12/04/69	32.0	1700	06/14/15	1.82	2.93	0.8649		-0.1452
10	26.0	1340	12/04/69	22.5	1705	06/14/15	2.08	3.35	0.8654		-0.1446
12	21.0	1310	12/04/69	24.5	1715	06/14/15	2.60	4.18	1.1667		0.1542
13	16.5	1257	12/04/69	10.6	1725	06/14/15	3.26	5.25	0.6424		-0.4425
							Arithme	tic Ratio:	0.8365		
							Log Ratio:		0.8223		

Exhibit 1.3 Tabulation of Daytime Radial 253.0°T

Call:	KWRM(AM)		(AM) Frequency (kHz):		1370 kH	570 kHz		Power (kW):		Ţ	
				Bearin	g (°T):	253.0°T					
Point	19	1 70 Direct	ional	20	l 15 Direct	tional	Distance	Distance	Direct		Log
#	mV/m	Time	Date	mV/m	Time	Date	miles	km	Ratio		Ratio
4	100	1520	12/01/69	47.0	1515	06/10/15	1.05	1.69	0.4700		-0.7550
5	95.0	1508	12/01/69	39,0	1525	06/10/15	1,19	1.92	0.4105		-0.8903
8	\$3.0	1440	12/01/69	52.0	1540	06/10/15	1.57	2.53	0.9811	MP	-0.0190
9	53.0	1420	12/01/69	30.5	1555	06/10/15	1.74	2.80	0.5755		+0.5526
10	45.0	1413	12/01/69	16.5	1610	06/10/15	1.91	3.07	0.3667		~1.0033
11	37.0	1403	12/01/69	22.0	1620	06/10/15	2.08	3.35	0.5946		-0.5199
14	33.0	1328	12/01/69	35.0	1640	06/10/15	2.45	3.94	1.0606	1	0.0588
17	20.0	1255	12/01/69	37,5	1700	06/10/15	3.08	4.96	1.8750		0.6286
i											
							Arithme	tic Ratio:	0.7917		
							L	og Ratio:	0.6828		

Exhibit 2.1 Tabulation of Daytime Ratios & Operating Constants

Daytime Operation:

Tabulation of Partial Proof Measurements						
	1970 Full		2015 Partial	Standard		
Azimuth	Proof DA	70 DA/15 DA	Proof DA	(Aug) Pattern		
(° True)	(mV/m/km)	(Log Ratio)	(mV/m/km)	(mV/m/km)		
53.0°T	110.0	0.9513	168.39	178.17		
83.0°T	160.0	0.8762	225.60	274.00		
153.0°T	470.0	0.9868	746.46	791.07		
216.0°T	100.0	0.8223	132.33	163.74		
253.0°T	130.0	0.6828	142.36	231.36		

Tabulation of Daytime Monitor Point Values						
Radial	Point Number (Distance)	1970 Proof MP Values (mV/m)	2015 Partial MP Value (mV/m)	Requested Maximum MP Limit (mV/m)		
53.0°T	Pt 17* (6.52 km)	11.5*	11.5*	12.2**		
83.0°T	Pt 11 (4.55 km)	36.0	36.0	43.7**		
153.0°T	Pt 13* (3.57 km)	49.0*	43.0*	45.6**		
216.0°T	Pt 7 (2.45 km)	44.0	42.0	.52.0**		
253.0°T	Pt 8* (2.53 km)	53.0*	52.0*	84.5**		
*Denotes new Monitor Point Location **Denotes requested new Monitor Point Maximum Limit						

Tabulation of Daytime Antenna Monitor Values							
	Licensed Values	2015 Partial Values					
Nominal Power	5,000 watts	5,000 watts					
Antenna Input Power	5,400 watts	5,400 watts					
Common Point	10.20 amperes	10.39 amperes					
Antenna Monitor	Current	Current					
Tower #1	0.085	0.090					
Tower #2	0.560	0.560					
Tower #3	1.000	1.000					
Tower #4	0.540	0.540					
Tower #5	0.070	0.055					
Antenna Phase	Degrees	Degrees					
Tower #1	+91.0°	-81.0°					
Tower #2	-172.0°	-172.0°					
Tower #3	0.0°	0.0°					
Tower #4	+158.0°	+158.0°					
Tower #5	-89.0°	~130.0°					

Exhibit 3.1 Summary of Daytime MP Descriptions, Directions & Photos

Directions to the NEW Radial 53.0°T Monitor Point.



Directions to the Radial 83.0°T Monitor Point.

33° 54' 57.7" NL; 117° 29' 11.9" WL (NAD 1983))

From the KWRM(AM) transmitter site, proceed south on Radio Road 0.5 miles to 6th Street. Turn left onto 6th Street (6th Street becomes Magnolia Ave) and proceed east for 4.5 miles to La Sierra Ave. Turn left on La Sierra Ave and proceed north 1.1 miles to the Monitor Point. The Monitor point is on the southwest side of the street at the southernmost entrance to the Stater Brothers shopping center, just slightly northwest of the entrance apron. The Monitor Point is located next to a "No Trespassing & No Loitering" Sign. The distance to the Monitor Point is 4.05 miles (6.52 km) and identified as Point #17 in the last Full Proof of Performance. an miles from antenna. The field intensity at this point should not exceed 12.2 mV/m.

33° 53' 10.1" NL; 117° 29' 41.4" WL (NAD 1983)

From the KWRM(AM) transmitter site, proceed south on Radio Road 0.5 miles to 6th Street. Turn left onto 6th Street (6th Street becomes Magnolia Ave) and proceed east for 2.9 miles to Buchanan Ave. Turn right onto Buchanan Ave. and proceed south for 0.4 miles to the Monitor Point. The Monitor point is approximately 75 feet north of Indiana St. The distance to the Monitor Point is 2.83 miles (4.55 km) and identified as Point #11 in the last Full Proof of Performance. an miles from antenna. The field intensity at this point should not exceed 43.7 mV/m.

Directions to the NEW Radial 153.0°T Monitor Point.



33° 50' 7.4" NL; 117° 30' 55.6" WL (NAD 1983)

From the KWRM(AM) transmitter site, proceed south on Radio Road 0.5 miles to 6th Street. Turn right onto 6th Street and proceed west 0.5 miles to Rimpau Avenue. Turn left onto Rimpau Avenue and proceed south 1.9 miles to East Ontario Ave. Turn left onto East Ontario Ave (East Ontario Ave becomes Temescal Canyon Road), and proceed east 1.9 miles to Jolora Ave. Turn left onto Jolora Ave. and proceed north 0.1 miles to Santa Rita Street. Turn right onto Santa Rita Street and proceed east 0.2 miles to Carmelita Ave. Turn left onto Carmelita Ave and proceed 0.1 miles to the Monitor Point. The Monitor point is located in the middle of Carmelita Ave in front of the driveway to 19601 Carmelita Ave. The distance to the Monitor Point is 3.57 miles (5.75 km) and identified as Point #13 in the last Full Proof of Performance. an miles from antenna. The field intensity at this point should not exceed 45.6 mV/m.

Exhibit 3.1 Summary of Daytime MP Descriptions, Directions & Photos

Directions to the Radial 216.0°T Monitor Point.



33° 51' 54.1" NL; 117° 33' 31.3" WL (NAD 1983)

From the KWRM(AM) transmitter site, proceed south on Radio Road 0.5 miles to 6th Street. Turn right onto 6th Street and proceed west 0.9 miles to East Grand Blvd. Turn left onto East Grand Blvd. and proceed south 0.2 miles to Fullerton Ave. Turn right onto Fullerton Ave and proceed southwest 0.5 miles to Beverly Road. Turn right onto Beverly Road and proceed southwest 0.25 miles to the Monitor Point. The Monitor Point is located at the southwest corner of the driveway to 753 Beverly Road. The distance to the Monitor Point is 1.52 miles (2.45 km) and identified as Point #7 in the last Full Proof of Performance. an miles from antenna. The field intensity at this point should not exceed 54.4 mV/m.

Directions to the NEW Radial 253.0°T Monitor Point.



(33° 52' 28.5 NL; 117° 34' 8.9" WL (NAD 1983)

From the KWRM(AM) transmitter site, proceed south on Radio Road 0.5 miles to 6th Street. Turn right onto 6th Street and proceed west 1.5 miles to South Belle Ave. Turn left onto South Belle Ave and proceed south one block (0.1 mile) to the Monitor Point. The Monitor Point is located in the southwest corner of the "T" intersection of South Belle Ave and West 7th Street. The distance to the Monitor Point is 1.57 miles (2.53 km) and identified as Point #8 in the last Full Proof of Performance. an miles from antenna. The field intensity at this point should not exceed 85.8 mV/m.