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May 16, 2012

FILED/ACCEPTED

MAY 16 2012

Federal Communications Commission  
Office of the Secretary

REGISTRATION SERVICES DIVISION  
2012 MAY 21 A 6:54  
RECEIVED

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**BY HAND DELIVERY**

Marlene H. Dortch, Esquire  
Secretary  
Federal Communications Commission  
445 12<sup>th</sup> Street, S.W.  
Washington, D.C. 20554

**Re: KLRK(AM), Facility ID No. 21493  
Mexia, Texas  
File No. BMML-20120312ADH**

Dear Ms. Dortch:

Transmitted herewith in triplicate, on behalf of M&M Broadcasters, Ltd., licensee of KLRK(AM), Mexia, Texas, is an amendment to its above-referenced application for license to cover construction permit for modification of facilities.

Should any questions arise concerning this matter, please communicate with the undersigned.

Very truly yours,



Anne Goodwin Crump  
Counsel for M&M Broadcasters, Ltd.

AGC:dl

Enclosures

cc: Ms. Ann Gallagher (with enclosure) **By E-Mail (Ann.Gallagher@fcc.gov)**

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. **2020312 ADH**

<b>SECTION I - APPLICANT FEE INFORMATION</b>			<b>FILED/ACCEPTED</b>										
1. PAYOR NAME (Last, First, Middle Initial)													
M&M Broadcasters, Ltd.													
MAILING ADDRESS (Line 1) (Maximum 35 characters)													
P.O. Box 1629													
MAILING ADDRESS (Line 2) (Maximum 35 characters)													
Federal Communications Commission Office of the Secretary													
CITY	STATE OR COUNTRY (if foreign address)	ZIP CODE											
Cleburne	TX	76033											
TELEPHONE NUMBER (include area code)	CALL LETTERS	OTHER FCC IDENTIFIER (If applicable)											
817 645 6643	KLRK	21493											
2. A. Is a fee submitted with this application? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span>													
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 checked="" type="checkbox"/> Other (Please explain): <b>Amendment</b>													
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)											
FEE TYPE CODE	FEE MULTIPLE	FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY										
<table border="1" style="width:100%; height: 20px;"> <tr><td> </td><td> </td><td> </td></tr> </table>				<table border="1" style="width:100%; text-align: center;"> <tr><td>0</td><td>0</td><td>0</td><td>1</td></tr> </table>	0	0	0	1	<table border="1" style="width:100%; text-align: center;"> <tr><td>\$</td></tr> </table>	\$	<table border="1" style="width:100%; height: 20px;"> <tr><td> </td></tr> </table>		
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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)											
FEE TYPE CODE	FEE MULTIPLE	FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY										
<table border="1" style="width:100%; height: 20px;"> <tr><td> </td><td> </td><td> </td></tr> </table>				<table border="1" style="width:100%; text-align: center;"> <tr><td>0</td><td>0</td><td>0</td><td>1</td></tr> </table>	0	0	0	1	<table border="1" style="width:100%; text-align: center;"> <tr><td>\$</td></tr> </table>	\$	<table border="1" style="width:100%; height: 20px;"> <tr><td> </td></tr> </table>		
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										
			<table border="1" style="width:100%; text-align: center;"> <tr><td>\$</td></tr> </table>		\$								
\$													
			FOR FCC USE ONLY										
			<table border="1" style="width:100%; height: 20px;"> <tr><td> </td></tr> </table>										

<b>SECTION II - APPLICANT INFORMATION</b>		
1. NAME OF APPLICANT M&M BROADCASTERS, LTD		
MAILING ADDRESS P. O. BOX 1629		
CITY CLEBURNE	STATE TEXAS	ZIP CODE 76033

2. This application is for:

- Commercial       Noncommercial  
 AM Directional       AM Non-Directional

Call letters KLRK	Community of License MEXIA	Construction Permit File No. BP-20100514ABJ	Modification of Construction Permit File No(s).	Expiration Date of Last Construction Permit 02/23/2014
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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.

**Station is directional and is operating with program test authority 2012012ADJ**

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

N/A

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>GARY MOSS</i>	Signature <i>[Signature]</i>	
Title <i>President</i>	Date <i>4-24-12</i>	Telephone Number <i>817-645-6643</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 (3080-0627), 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 - 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 <b>Uniform cross section 24" face guyed tower</b>	Overall height in meters of radiator above base insulator, or above base, if grounded. <b>47.14</b>	Overall height in meters above ground (without obstruction lighting) <b>48.2</b>	Overall height in meters above ground (include obstruction lighting) <b>48.2</b>	If antenna is either top loaded or sectionalized, describe fully in an Exhibit. <div style="border: 1px solid black; padding: 2px; display: inline-block;">Exhibit No. N/A</div>
--	--	---	---	---

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 <b>31</b> ° <b>37</b> ' <b>12</b> "	West Longitude <b>96</b> ° <b>45</b> ' <b>06</b> "
--	--

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.  
SEE TECH EXHIBIT

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?

NONE

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) <b>Charles W. Staples</b>	Signature (check appropriate box below)
Address (include ZIP Code) <b>4424 Glenwick Lane</b> <b>University Park, Tx</b>	Date <b>04/24/2012</b>
	Telephone No. (Include Area Code) <b>214 526 6200</b>

- |   |   |
|---|---|
| <input type="checkbox"/> Technical Director | <input type="checkbox"/> Registered Professional Engineer |
| <input type="checkbox"/> Chief Operator     | <input checked="" type="checkbox"/> Technical Consultant  |
| <input type="checkbox"/> Other (specify)    |   |

AMENDMENT TO TECHNICAL EXHIBIT  
BMML 20120312ADH  
FORM 302AM  
KLRK (AM) FID 21493  
Mexia, TX  
M&M Broadcasters, LTD

AMENDED ITEMS

1. The form 302AM has been amended to include the manufacturer and type of antenna monitor.
2. Attached is an amended description of the sample lines and sample devices
3. Attached is a specification sheet from the manufacturer of the sampling devices with rated accuracies
4. Attached is an amended survey exhibit showing a comparison to the as built and authorized array geometry
5. Attached is an amended copy of the reference readings providing a specified reference datum of NAD83.
6. Attached is an amended copy of the KLRK Modeled Parameters at ATU from MOM model.

### Amended Description of Sample System

The sample transformers utilized were four Phasetek P600-203 1.0V/A. The Phasetek toroidal sampling transformers were disconnected and measured with a common signal from a HP 8752A Network Analyzer (SN. 2901A00339). The signal was a CW signal from the reflection test port (RF Out) at 1590 KHz. The output port of each transformer was fed to the transmission test port (RF In) of the analyzer and compared against the reference transformer for phase and magnitude. All four were found to be within .527% ratio and .5° accuracy of each other. This equals or exceeds the manufacturer's specifications. See the following page for manufacturer's specifications. See Exhibit Three of the original application technical exhibit for details of sample system measurements and serial numbers of all four transformers.

The sample lines utilized consist of four Andrew LDF4-50, 50 ohm ½" Heliax coaxial cable that were matched to be the same electrical length.

**PHASETEK INC.**  
**TOROIDAL CURRENT TRANSFORMER**  
**INSTRUCTION SHEET**

**DESCRIPTION:**

Phasetek Inc.'s Toroidal Current Transformers are designed to provide an RF sample voltage proportional to the RF current flowing in a Conductor placed through the Toroidal Bushing. This sample voltage may be used for Antenna current monitoring or for remote current indication. Output sensitivities ranging from .25 V/A to 1.5 V/A are available (with 50 ohm termination).

**INSTALLATION:**

The Toroidal Current Transformer is contained in a sealed aluminum enclosure. Two, 1/4-20 mounting holes are provided on the bottom to mount and ground the unit. After the unit is securely mounted, the current carrying Conductor should be placed through the Teflon bushing and all connections tightened. For Antenna monitoring in Directional Arrays, all arrows on top of the units should be in the same direction (typically the direction of current flow). A type "N" female connector is provided to connect a 50 ohm coaxial Sampling Line.

**MAINTENANCE:**

Periodically, the unit should be inspected for signs of arcing, cleaned to remove any debris, and the connector connection cleaned and checked for tightness.

**SPECIFICATIONS – ELECTRICAL**

Operating Frequency Range:	0.5 to 2 MHz
Operating Temperature Range:	-10° C to +80° C
Load Termination:	50 Ohms
Output Magnitude Accuracy:	± 1.5%
Output Phase Accuracy:	± 2.0°
Magnitude Tracking Accuracy:	± 1.0%
Phase Tracking Accuracy:	± 1.0°
Maximum Operating Voltage:	11.5 kV @ 25° C

**SPECIFICATIONS – MECHANICAL**

Overall Size:	5" Wide x 2-3/8" Deep x 6" High
Output Connector:	Type "N" Female
Mounting:	(2) 1/4-20 Tapped Mounting Hole

**STANDARD UNITS**

<b>Part Number</b>	<b>Sensitivity and Current Range</b>
P600-201	0.25 V/A, 0-80 Amp
P600-202	0.50 V/A, 0-40 Amp
P600-203	1.00 V/A, 0-20 Amp
P600-204	1.50 V/A, 0-13 Amp

## Accuracy of As Built Array

Tower 1 to Tower 2 bearing CP: 10 degrees True  
Tower 1 to Tower 2 bearing as built: 10 degrees True,  
Error = 0 degrees

Tower 1 to Tower 2 distance CP: 197.61 feet  
Tower 1 to Tower 2 distance as built: 197.7 feet  
Error = .09 foot

Tower 1 to Tower 3 bearing CP: 355 degrees True  
Tower 1 to Tower 3 bearing as built: 355 degrees True  
Error = 0 degrees

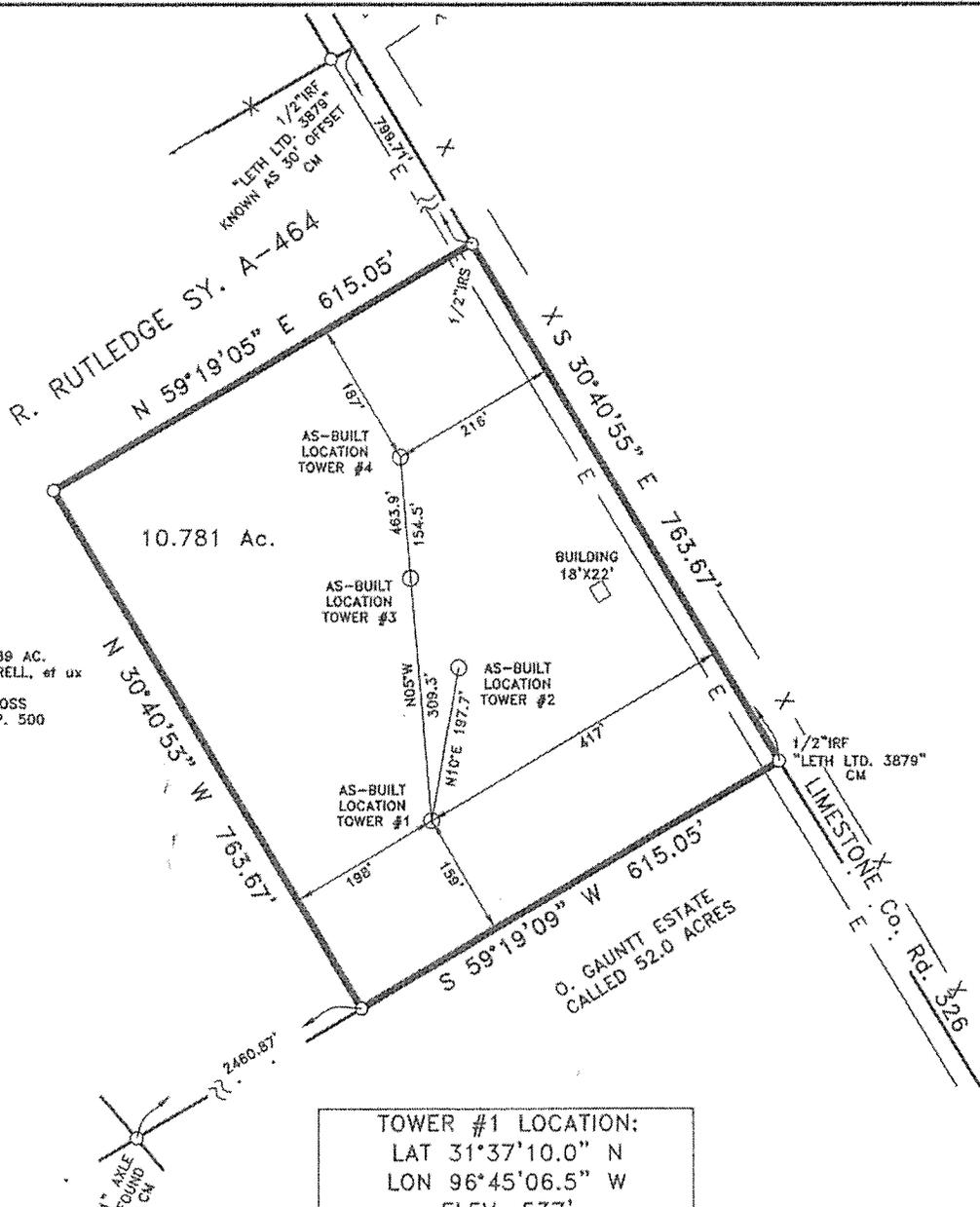
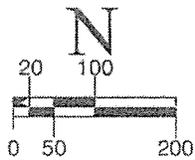
Tower 1 to Tower 3 distance CP: 309.3 feet  
Tower 1 to Tower 3 distance as built: 309.3 feet  
Error = 0 feet

Tower 1 to Tower 4 bearing CP: 355 degrees True  
Tower 1 to Tower 4 bearing as built 355 degrees True  
Error = 0 degrees

Tower 1 to Tower 4 distance CP: 463.95 feet  
Tower 1 to Tower 4 distance as built: 463.9 feet  
Error = .01 foot

1.5 degrees at 1590 kHz = 2.58 feet.

Maximum error = .052 degrees at 1590 kHz



CALLED 114.89 AC.  
 STEPHEN J. CANTRELL, et ux  
 TO  
 GARY L. MOSS  
 VOL. 1328, P. 500

**TOWER #1 LOCATION:**  
 LAT 31°37'10.0" N  
 LON 96°45'06.5" W  
 ELEV. 537'  
 BEARINGS SHOWN BASED ON  
 TRUE NORTH BY GPS  
 OBSERVATION, DISTANCES  
 SHOWN ARE SURFACE  
 MEASUREMENTS

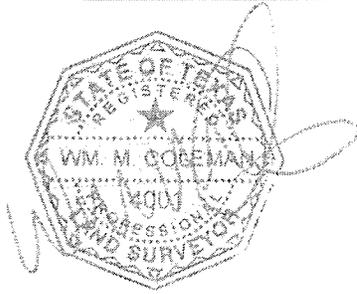
**LEGEND**

- IRF..... IRON ROD FOUND
- NLS.....NAIL SET
- IRS ..... 1/2" IRON ROD SET W/YELLOW PLASTIC CAP STAMPED "COLEMAN RPLS 4001"
- BOUNDARY LINE
- X - X - X - WIRE FENCE
- E ----- ELECTRIC LINE
- PROPERTY LINE

**MEXIA TOWERS**

AS-BUILT LOCATION EXHIBIT  
 RICHARD RUTLEDGE SURVEY A-464  
 CITY OF MEXIA  
 LIMESTONE COUNTY, TEXAS

DRAWN: MGD      JOB #: 1685  
 CHECKED: WMC      DATE: 03-02-12  
 REVISED:      SCALE: 1"=200'



**Coleman & Associates  
Land Surveying**

P. O. BOX 686 DENTON, TEXAS 76202  
 PH(940)565-8215 FAX (940)565-9800,  
 WWW.COLEMANSURVEYING.COM  
 © 2012 COLEMAN & ASSOC. SURVEYING

READINGS BY MITCH RICE  
 READINGS mV/m  
 DISTANCE km

KLRK REFERENCE READINGS

POTOMAC FIM 41 SN 497  
 ALL TIME CST

30.5 DEGREES

Point	Distance	Reading Day	Reading Night	Time	Date	Coordinates*	Description
1	3	34	6.2	1605	2/23/12	31 38 31.65 96 44 06.6	5851 FM 1245
2	6.38	16	2.9	1614	"	31 40 11.42 96 42 59.61	LCR 146 in road
3	12.25	7.3	1.2	952	2/24/12	31 42 53.62 96 41 08.94	LCR 936 in road
4	15.72	6.7	1.0	1002	"	31 44 30.61 96 40 02.98	FM2310 & FN73

133 DEGREES

Point	Distance	Reading Day	Reading Night	Time	Date	Coordinates*	Description
1	4.49	47	8.4	1432	2/23/12	31 35 32.46 96 43 0.8	LCR358 in road
2	5.45	33.5	5.9	1424	"	31 35 11.95 96 42 33.98	LCR 354 in road
3	13.32	11	1.9	1251	"	31 32 17.2 96 38 56	LCR 616 in road
4	14.67	9.5	1.5	1242	"	31 31 47.6 96 38 18.8	220 LCR 632

211.5 DEGREES

Point	Distance	Reading Day	Reading Night	Time	Date	Coordinates*	Description
1	1.99	49	9	1045	2/23/12	31-36-19.22 96 45 46.66	Fm 339 in road
2	4.6	30	5.6	1055	"	31 35 05.6 96 46 .37.18	FM 342
3	8.94	16.8	3.1	1110	"	31 33 05 96 47 59	Hwy 164
4	10.87	13	2.4	1129	"	31 32 10.4 96 48 41	S County Line Rd

324 DEGREES

Point	Distance	Reading Day	Reading Night	Time	Date	Coordinates*	Description
1	3.00	18.5	2.8	926	2/24/12	31 38 33.12 96 47 12.74	LCR 326 side of road
2	6.12	6.4	1	1022	"	31 39 52.18 96 47 21.4	LCR 137 in road
3	8.56	4.5	0.72	1031	"	31 40 54.59 96 48.18.02	LCR 140 in road
4	11.98	3.5	0.58	1043	"	31 42 24.6 96 49 34.43	LCR 134 in road

**READINGS BY MITCH RICE**  
**READINGS mV/m**  
**DISTANCE km**  
**84 DEGREES**

**KLRK REFERENCE READINGS**

**POTOMAC FIM 41 SN 497**  
**ALL TIME CST**

Point	Distance	Reading Day	Reading Night	Time	Date	Coordinates*	Description
1	2.67	260	44.5	1451	2/23/12	31 37 20 96 43 26.9	LCR 324 in road
2	6.15	85	14	1501	2/23/12	31 37 33.77 96 41 10.55	LCR 356 in road
3	9.89	36	10.3	1521	2/23/12	31 37 43.75 96 38 51.11	LCR 368 in road
4	15.23	25	4.5	1542	2/23/12	31 38 03.36 96 35 29.96	LCR 376 & LCR 377

**267 DEGREES**

Point	Distance	Reading Day	Reading Night	Time	Date	Coordinates*	Description
1	2.94	275	47	1033	2/24/12	31 37 03.12 96 46 54.63	LCR 322 in road
2	6.67	111.5	20	1019	"	31 37 02.21 96 49 19.19	LCR 310 in road
3	8.48	95	16	1004	"	31 36 56.43 96 50 26.92	Big Creek Rd.
4	11.62	65	11	944	"	31 36 53 96 52 26.45	2299 FM 939

**\*All readings NAD 83 Datum**

## KLRK MODELEL PARAMETERS AT ATU FROM MOM

	Modeled Current At Tower	Modeled Phase At Tower	Modeled Current Corrected for ATU TCT	Modeled Phase Corrected For ATU TCT	Normalized Ratio	Normalized Phase Degrees
Tower 1	5.327	6.1	5.26	6.67	1	0
Tower 2	2.6375	58.9	2.67	58.7	0.508	+52
Tower 3	2.456	5.1	2.46	6.34	0.468	-0.3
Tower 4	3.575	6.5	3.54	7.17	0.673	+5