

**Goldman Engineering Management
Dallas, Texas.**

SPECIAL OPERATING CONDITIONS STATEMENT AND CERTIFICATION,

KTBG BMPED-20130307ABU, Warrensburg, MO.

The following exhibit details responses to the conditions specified on the Construction Permit for KTBG, BMPED-20130307ABU. Responses are detailed following each condition:

1. *BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee shall submit the results of a complete proof-of-performance to establish the horizontal plane radiation patterns for both the horizontally and vertically polarized radiation components. This proof-of-performance may be accomplished using the complete full size antenna, or individual bays therefrom, mounted on a supporting structure of identical dimensions and configuration as the proposed structure, including all braces, ladders, conduits, coaxial lines, and other appurtenances; or using a carefully manufactured scale model of the entire antenna, or individual bays therefrom, mounted on an equally scaled model of the proposed supporting structure, including all appurtenances. Engineering exhibits should include a description of the antenna testing facilities and equipment employed, including appropriate photographs or sketches and a description of the testing procedures, including scale factor, measurements frequency, and equipment calibration.*

Please see KTBG Proof dated 10/3/2103 attached to this statement as Exhibit 1

2. *BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee must submit a certification executed by a licensed surveyor showing that the FM directional antenna system has been oriented at the azimuth(s) specified in the directional antenna proof of performance. This certification must include a description of the method used by the surveyor to determine the azimuth(s) of the installed directional antenna system and the accuracy of that determination.*

Please see attached statement by Shafer, Kline, & Warren, Inc. licensed surveyors in the state of Missouri attesting to the accuracy of the antenna mount to within one degree attached to this statement as Exhibit 2

3. *BEFORE PROGRAM TESTS ARE AUTHORIZED, the permittee must submit an exhibit demonstrating that the measured directional antenna pattern complies with the appropriate community coverage provisions of 47 C.F.R. Sections 73.315 or 73.515 (See 47 C.F.R. Section 73.316(c)(2)(ix)(B)).*

Please see Exhibit 3 attached to this statement demonstrating that the measured directional antenna completely encompasses the licensed community, Warrensburg, MO.

4. *BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee/licensee shall submit an affidavit that the installation of the directional antenna system was overseen by a qualified engineer. This affidavit shall include a certification by the engineer that the antenna was installed pursuant to manufacturer's instructions and list the qualifications of the certifying engineer.*

Please see Exhibit 4 attached to this statement

5. *The relative field strength of neither the measured horizontally nor vertically polarized radiation component shall exceed at any azimuth the value indicated on the composite radiation pattern authorized by this construction permit. A relative field strength of 1.0 on the composite radiation pattern herein authorized corresponds to the following effective radiated power:
100 kilowatts.
Principal minima and their associated field strength limits:
270 degrees True: 36.0 kilowatts
320 - 330 degrees True: 14.0 kilowatts*

Please refer to the antenna proof of performance, Exhibit 1 attached to this statement which demonstrates compliance with the above condition.

6. *Permittee has specified use of the antenna listed below to demonstrate compliance with the FCC radiofrequency electromagnetic field exposure guidelines. If any other type or size of antenna is to be used with the facilities authorized herein, THE AUTOMATIC PROGRAM TEST PROVISIONS OF 47 C.F.R. SECTION 73.1620 WILL NOT APPLY. In this case, a FORMAL REQUEST FOR PROGRAM TEST AUTHORITY must be filed in conjunction with FCC Form 302-FM, application for license, BEFORE program tests will be authorized. The request must include a revised RF field showing to demonstrate continued compliance with the FCC guidelines.
ERI or Jampro (rototiller), 8 sections, 0.5 wavelength*

The constructed facility is built as specified in the application, therefore, the provisions of 73.1620 remain applicable.

7. *The permittee/licensee must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.*

The permittee/ licensee in coordination with other users of this site agrees to reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

Submitted by:



Bertram Goldman

214-395-5067

***Directional Antenna System
for
KTBG, Warrensburg, Missouri***

October 8, 2013

Electronics Research Inc. is providing a custom fabricated antenna system that is specially designed to meet the FCC requirements and the general needs of radio station KTBG.

The antenna is the ERI model MP-8AC-DA-HW configuration. The circular polarized system consists of 8 half-wavelength spaced bays using one driven circular polarized radiating element per bay, two horizontal parasitic elements per bay and two vertical parasitic elements interleaved between alternate bay pairs. The antenna was mounted on the North 104 degrees East tower face with bracketry to provide an antenna orientation of North 104 degrees East. The antenna was tested on a 24" **ERI**[®] **MOUNTING SYSTEM**, which is the structure the station plans to use to support the array. All tests were performed on a frequency of 90.9 megahertz, which is the center of the FM broadcast channel assigned to KTBG.

Pattern measurements were made on a sixty-acre antenna pattern range that is owned and operated by Electronics Research, Inc. The tests were performed under the direction of Thomas B. Silliman, president of Electronics Research, Inc. Mr. Silliman has the Bachelor of Electrical Engineering and the Master of Electrical Engineering degrees from Cornell University and is a registered professional engineer in the states of Indiana, Maryland and Minnesota.



Directional Antenna System For KTBG, Warrensburg, Missouri

(Continued)

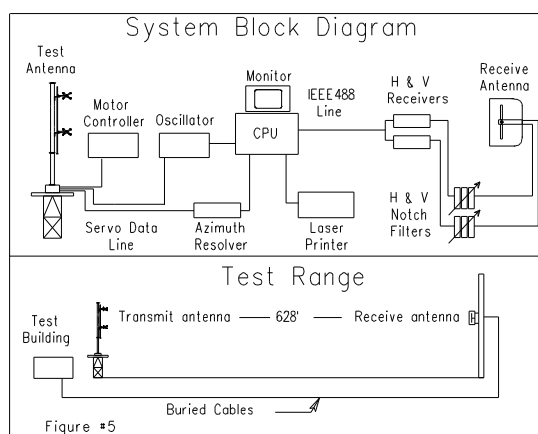
DESCRIPTION OF THE TEST PROCEDURE

The test antenna consisted of two bay levels of the circular polarized system with the associated horizontal and vertical parasitic elements. The elements and brackets that were used in this test are electrically equivalent to those that will be supplied with the antenna. A section of 3 1/8 inch o.d. rigid coaxial line was used to feed the test antenna, and a section of 3 1/8 inch o.d. rigid outer conductor only was attached above the test antenna. The lines were properly grounded during all tests.

The power distribution and phase relationship to the antenna elements was adjusted in order to achieve the directional radiation patterns for both horizontal and vertical polarization components.

The proof-of-performance was accomplished using a 24" **ERI**[®] **MOUNTING SYSTEM**, tower with identical dimension and configuration including all braces, ladders, conduits, coaxial lines and other appurtenances that are included in the actual aperture at which the antenna will be installed. The structure was erected vertically on a turntable mounted on a non-metallic building with the antenna centered vertically on the structure, making the center of radiation of the test approximately 30 feet above ground. The turntable is equipped with a motor drive and a US Digital angle position indicator. The resolution of this angle position indicator is one-hundredth of a degree.

The antenna under test was operated in the transmitting mode and fed from a HP8657D signal generator. The frequency of the signal source was set at 90.9 MHz and was constantly monitored by a Rohde & Schwarz ESVD measuring receiver.



Directional Antenna System For KTBG, Warrensburg, Missouri

(Continued)

A broadband horizontal and vertical dipole system, located approximately 628 feet from the test antenna, was used to receive the emitted test signals. The dipole system was mounted at the same height above terrain as the center of the antenna under test. The signals received by the dipole system were fed to the test building by way of two buried Heliac cables to a Rohde & Schwarz measuring receiver. This data was interfaced to a laser jet printer by means of a computer system. Relative field strength was plotted as a function of azimuth.

The measurements were performed by rotating the test antenna in a counter-clockwise direction and plotting the received signal on polar coordinated graph paper in a clockwise direction. Both horizontal and vertical components were recorded separately.

CONCLUSIONS

The circular polarized system consists of 8 half-wavelength spaced bays using one driven circular polarized radiating element per bay, two horizontal parasitic elements per bay and two vertical parasitic elements interleaved between alternate bay pairs. The power distribution and phase relationship will be fixed when antenna is manufactured. Proper maintenance of the elements should be all that is required to maintain the pattern in adjustment.

The MP-8AC-DA-HW array is to be mounted on the North 104 degrees East tower face of the 24" **ERI[®] λ MOUNTING SYSTEM**, tower at a bearing of North 104 degrees East. Blue prints provided with the antenna will show the proper antenna orientation alignment. The antenna alignment procedure should be directed by a licensed surveyor as prescribed by the FCC.

Figure #1 represents the measured individual horizontal and vertical components, the composite maximum of either the horizontal or vertical component at any azimuth and the FCC filed envelope pattern. The horizontal plane relative field list for the composite pattern and the individual H & V components are shown as Figure #1 & 1A respectively.

Directional Antenna System
For
KTBG, Warrensburg, Missouri

(Continued)

The actual measured pattern does not exceed the authorized FCC composite pattern at any azimuth. A calculated vertical plane relative field pattern is shown on Figure #3 attached. The power in the maximum will reach 100.000 kilowatts (20.000 dBk).

The power at North 270 degrees East does not exceed 36.000 kilowatts (15.563 dBk).

The power at North 320-330 degrees East does not exceed 14.000 kilowatts (11.461 dBk).

The RMS of the vertically polarized horizontal plane component does not exceed the RMS of the horizontally polarized horizontal plane component.

The composite horizontal and vertical maximum relative field pattern obtained from the measured data as shown on Figure #1 has an RMS that is greater than 85% of the filed composite pattern.

The clear vertical length of the structure required to support the antenna is 52 feet 8 inches.

The directional antenna should not be mounted on the top of an antenna tower that includes a top-mounted platform larger than the cross-sectional area of the tower in the horizontal plane. No obstructions other than those that are specified by the blue prints supplied with the antenna are to be mounted within 75 ft. horizontally of the system. The vertical distance to the nearest obstruction should be a minimum of 10 ft. from the directional antenna. Metallic guy wires should be a minimum distance of forty feet horizontally from the antenna.

ELECTRONICS RESEARCH, INC.

A handwritten signature in black ink, appearing to read "Tom Scharf". The signature is fluid and cursive, with a large initial "T" and a stylized "S".

Microsoft Word document on file electronically at Electronic Research, Inc. governs the specifications, scope, and configuration of the product described. All other representations whether verbal, printed, or electronic are subordinate to the master copy of this document on file at ERI.

ERI[®] Horizontal Plane Relative Field Pattern

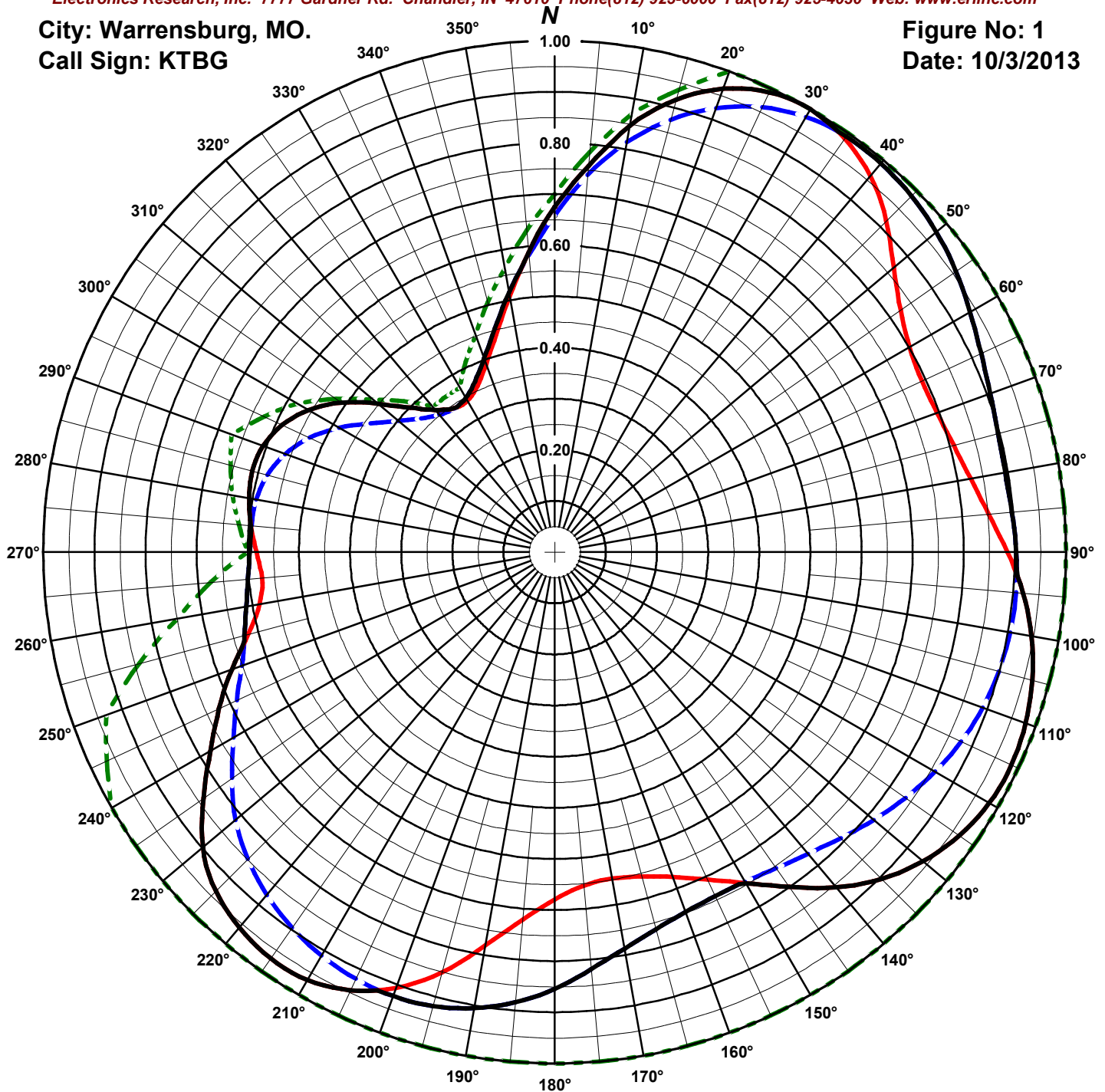
Electronics Research, Inc. 7777 Gardner Rd. Chandler, IN 47610 Phone(812) 925-6000 Fax(812) 925-4030 Web: www.eriinc.com

City: Warrensburg, MO.

Call Sign: KTBG

Figure No: 1

Date: 10/3/2013



Antenna Orientation: 104° True

Frequency: 90.9 MHz

Antenna Type: MP-8AC-DA-HW

Antenna Mounting: Custom

Tower Type: 24" Lambda

HORIZONTAL

RMS: .774

Maximum: 1 @ 29°

Minimum: .34 @ 328°

VERTICAL

RMS: .774

Maximum: .994 @ 37°

Minimum: .342 @ 326°

COMPOSITE

RMS: .804

Maximum: 1 @ 29°

Minimum: .342 @ 326°

FCC ENVELOPE

RMS: .885

Maximum: 1 @ 20°

Minimum: .371 @ 320°

Measured patterns of the horizontal and vertical components, with the composite maximum of either the the H or V components and the filed FCC envelope pattern BMPED-20130307ABU.

ERI[®] Horizontal Plane Relative Field Pattern

Electronics Research, Inc. 7777 Gardner Rd. Chandler, IN 47610 Phone(812) 925-6000 Fax(812) 925-4030 Web: www.eriinc.com

Figure# 1

Date: 10/3/2013

Station: KTBG

Antenna: MP-8AC-DA-HW

Location: Warrensburg, MO.

Antenna Orientation: 104° True

Frequency: 90.9 MHz

Number of Bays: 8

Azimuth	Envelope			Polarization	Azimuth	Envelope			Polarization
	Field	kW	dBk			Field	kW	dBk	
0°	0.675	45.609	16.591	Horizontal	180°	0.854	72.964	18.631	Vertical
5°	0.758	57.419	17.591	Horizontal	185°	0.884	78.134	18.928	Vertical
10°	0.847	71.681	18.554	Horizontal	190°	0.906	82.010	19.139	Vertical
15°	0.916	83.875	19.236	Horizontal	195°	0.919	84.443	19.266	Vertical
20°	0.964	92.952	19.683	Horizontal	200°	0.924	85.335	19.311	Vertical
25°	0.992	98.459	19.933	Horizontal	205°	0.945	89.357	19.511	Horizontal
30°	1.000	99.927	19.997	Horizontal	210°	0.966	93.381	19.703	Horizontal
35°	0.993	98.582	19.938	Vertical	215°	0.969	93.973	19.730	Horizontal
40°	0.992	98.475	19.933	Vertical	220°	0.959	91.909	19.634	Horizontal
45°	0.986	97.167	19.875	Vertical	225°	0.937	87.806	19.435	Horizontal
50°	0.974	94.905	19.773	Vertical	230°	0.898	80.608	19.064	Horizontal
55°	0.958	91.745	19.626	Vertical	235°	0.838	70.292	18.469	Horizontal
60°	0.938	87.965	19.443	Vertical	240°	0.777	60.445	17.814	Horizontal
65°	0.920	84.631	19.275	Vertical	245°	0.724	52.423	17.195	Horizontal
70°	0.907	82.175	19.147	Vertical	250°	0.672	45.095	16.541	Horizontal
75°	0.898	80.613	19.064	Vertical	255°	0.628	39.401	15.955	Vertical
80°	0.894	79.995	19.031	Vertical	260°	0.612	37.493	15.739	Vertical
85°	0.898	80.553	19.061	Vertical	265°	0.602	36.232	15.591	Vertical
90°	0.902	81.424	19.108	Vertical	270°	0.596	35.554	15.509	Vertical
95°	0.919	84.512	19.269	Horizontal	275°	0.596	35.530	15.506	Horizontal
100°	0.947	89.621	19.524	Horizontal	280°	0.607	36.828	15.662	Horizontal
105°	0.967	93.485	19.707	Horizontal	285°	0.612	37.465	15.736	Horizontal
110°	0.980	96.011	19.823	Horizontal	290°	0.607	36.797	15.658	Horizontal
115°	0.986	97.145	19.874	Horizontal	295°	0.588	34.544	15.384	Horizontal
120°	0.981	96.322	19.837	Horizontal	300°	0.555	30.847	14.892	Horizontal
125°	0.966	93.373	19.702	Horizontal	305°	0.510	25.969	14.144	Horizontal
130°	0.940	88.424	19.466	Horizontal	310°	0.451	20.353	13.086	Horizontal
135°	0.904	81.643	19.119	Horizontal	315°	0.399	15.922	12.020	Horizontal
140°	0.856	73.269	18.649	Horizontal	320°	0.363	13.174	11.197	Horizontal
145°	0.799	63.868	18.053	Horizontal	325°	0.343	11.785	10.713	Horizontal
150°	0.747	55.873	17.472	Horizontal	330°	0.348	12.107	10.830	Vertical
155°	0.742	55.094	17.411	Vertical	335°	0.368	13.555	11.321	Vertical
160°	0.749	56.080	17.488	Vertical	340°	0.403	16.230	12.103	Vertical
165°	0.764	58.350	17.660	Vertical	345°	0.452	20.432	13.103	Vertical
170°	0.787	61.970	17.922	Vertical	350°	0.515	26.487	14.230	Vertical
175°	0.819	67.051	18.264	Vertical	355°	0.588	34.563	15.386	Horizontal

Horizontal Polarization:

Maximum: 3.992 (6.012 dB)

Horizontal Plane: 3.992 (6.012 dB)

Maximum ERP: 100.000 kW

Vertical Polarization:

Maximum: 3.941 (5.956 dB)

Horizontal Plane: 3.941 (5.956 dB)

Maximum ERP: 98.727 kW

Total Input Power: 25.050 kW

Reference: KTBG1M.FIG

This list shows the the maximum azimuth values of either the horizontal or vertical components.

ERI[®] Horizontal Plane Relative Field Pattern

Electronics Research, Inc. 7777 Gardner Rd. Chandler, IN 47610 Phone(812) 925-6000 Fax(812) 925-4030 Web: www.eriinc.com

Figure# 1A

Date: 10/3/2013

Station: KTBG

Antenna: MP-8AC-DA-HW

Location: Warrensburg, MO.

Antenna Orientation: 104° True

Frequency: 90.9 MHz

Number of Bays: 8

Azimuth	Horizontal			Vertical			Azimuth	Horizontal			Vertical		
	Field	kW	dBk	Field	kW	dBk		Field	kW	dBk	Field	kW	dBk
0°	0.675	45.609	16.591	0.658	43.324	16.367	180°	0.679	46.157	16.642	0.854	72.964	18.631
5°	0.758	57.419	17.591	0.740	54.745	17.383	185°	0.721	52.054	17.165	0.884	78.134	18.928
10°	0.847	71.681	18.554	0.814	66.215	18.210	190°	0.781	61.014	17.854	0.906	82.010	19.139
15°	0.916	83.875	19.236	0.875	76.589	18.842	195°	0.851	72.370	18.596	0.919	84.443	19.266
20°	0.964	92.952	19.683	0.924	85.340	19.312	200°	0.907	82.212	19.149	0.924	85.335	19.311
25°	0.992	98.459	19.933	0.960	92.091	19.642	205°	0.945	89.357	19.511	0.921	84.767	19.282
30°	1.000	99.927	19.997	0.983	96.567	19.848	210°	0.966	93.381	19.703	0.911	83.061	19.194
35°	0.988	97.537	19.892	0.993	98.582	19.938	215°	0.969	93.973	19.730	0.896	80.316	19.048
40°	0.960	92.161	19.645	0.992	98.475	19.933	220°	0.959	91.909	19.634	0.875	76.591	18.842
45°	0.917	84.100	19.248	0.986	97.167	19.875	225°	0.937	87.806	19.435	0.848	71.960	18.571
50°	0.865	74.894	18.744	0.974	94.905	19.773	230°	0.898	80.608	19.064	0.815	66.357	18.219
55°	0.826	68.169	18.336	0.958	91.745	19.626	235°	0.838	70.292	18.469	0.770	59.344	17.734
60°	0.801	64.178	18.074	0.938	87.965	19.443	240°	0.777	60.445	17.814	0.725	52.630	17.212
65°	0.792	62.734	17.975	0.920	84.631	19.275	245°	0.724	52.423	17.195	0.686	47.043	16.725
70°	0.796	63.349	18.017	0.907	82.175	19.147	250°	0.672	45.095	16.541	0.651	42.347	16.268
75°	0.807	65.197	18.142	0.898	80.613	19.064	255°	0.620	38.432	15.847	0.628	39.401	15.955
80°	0.826	68.260	18.342	0.894	79.995	19.031	260°	0.586	34.341	15.358	0.612	37.493	15.739
85°	0.852	72.616	18.610	0.898	80.553	19.061	265°	0.574	32.961	15.180	0.602	36.232	15.591
90°	0.885	78.373	18.942	0.902	81.424	19.108	270°	0.583	34.006	15.315	0.596	35.554	15.509
95°	0.919	84.512	19.269	0.906	82.009	19.139	275°	0.596	35.530	15.506	0.595	35.386	15.488
100°	0.947	89.621	19.524	0.905	81.849	19.130	280°	0.607	36.828	15.662	0.592	35.104	15.454
105°	0.967	93.485	19.707	0.900	80.915	19.080	285°	0.612	37.465	15.736	0.582	33.835	15.294
110°	0.980	96.011	19.823	0.891	79.344	18.995	290°	0.607	36.797	15.658	0.560	31.412	14.971
115°	0.986	97.145	19.874	0.877	76.874	18.858	295°	0.588	34.544	15.384	0.529	27.949	14.464
120°	0.981	96.322	19.837	0.859	73.744	18.677	300°	0.555	30.847	14.892	0.486	23.650	13.738
125°	0.966	93.373	19.702	0.838	70.172	18.462	305°	0.510	25.969	14.144	0.439	19.295	12.854
130°	0.940	88.424	19.466	0.815	66.379	18.220	310°	0.451	20.353	13.086	0.399	15.946	12.026
135°	0.904	81.643	19.119	0.791	62.605	17.966	315°	0.399	15.922	12.020	0.370	13.665	11.356
140°	0.856	73.269	18.649	0.770	59.352	17.734	320°	0.363	13.174	11.197	0.351	12.291	10.896
145°	0.799	63.868	18.053	0.755	56.943	17.554	325°	0.343	11.785	10.713	0.342	11.722	10.690
150°	0.747	55.873	17.472	0.744	55.399	17.435	330°	0.341	11.658	10.666	0.348	12.107	10.830
155°	0.706	49.898	16.981	0.742	55.094	17.411	335°	0.358	12.813	11.076	0.368	13.555	11.321
160°	0.676	45.711	16.600	0.749	56.080	17.488	340°	0.391	15.298	11.846	0.403	16.230	12.103
165°	0.657	43.116	16.346	0.764	58.350	17.660	345°	0.441	19.440	12.887	0.452	20.432	13.103
170°	0.648	41.988	16.231	0.787	61.970	17.922	350°	0.507	25.731	14.105	0.515	26.487	14.230
175°	0.655	42.881	16.323	0.819	67.051	18.264	355°	0.588	34.563	15.386	0.583	33.945	15.308

Horizontal Polarization:

Maximum: 3.992 (6.012 dB)

Horizontal Plane: 3.992 (6.012 dB)

Maximum ERP: 100.000 kW

Vertical Polarization:

Maximum: 3.941 (5.956 dB)

Horizontal Plane: 3.941 (5.956 dB)

Maximum ERP: 98.727 kW

Total Input Power: 25.050 kW

Reference: KTBG1M.FIG

This list shows the azimuth values for the horizontal and vertical components.

ERI[®] Vertical Plane Relative Field Pattern

Electronics Research, Inc. 7777 Gardner Rd. Chandler, IN 47610 Phone(812) 925-6000 Fax(812) 925-4030 Web: www.eriinc.com

Figure No: 3

Call Sign: KTBG

Location: Warrensburg, MO.

Frequency: 90.9 MHz

8 bay MP-8AC-DA-HW antenna

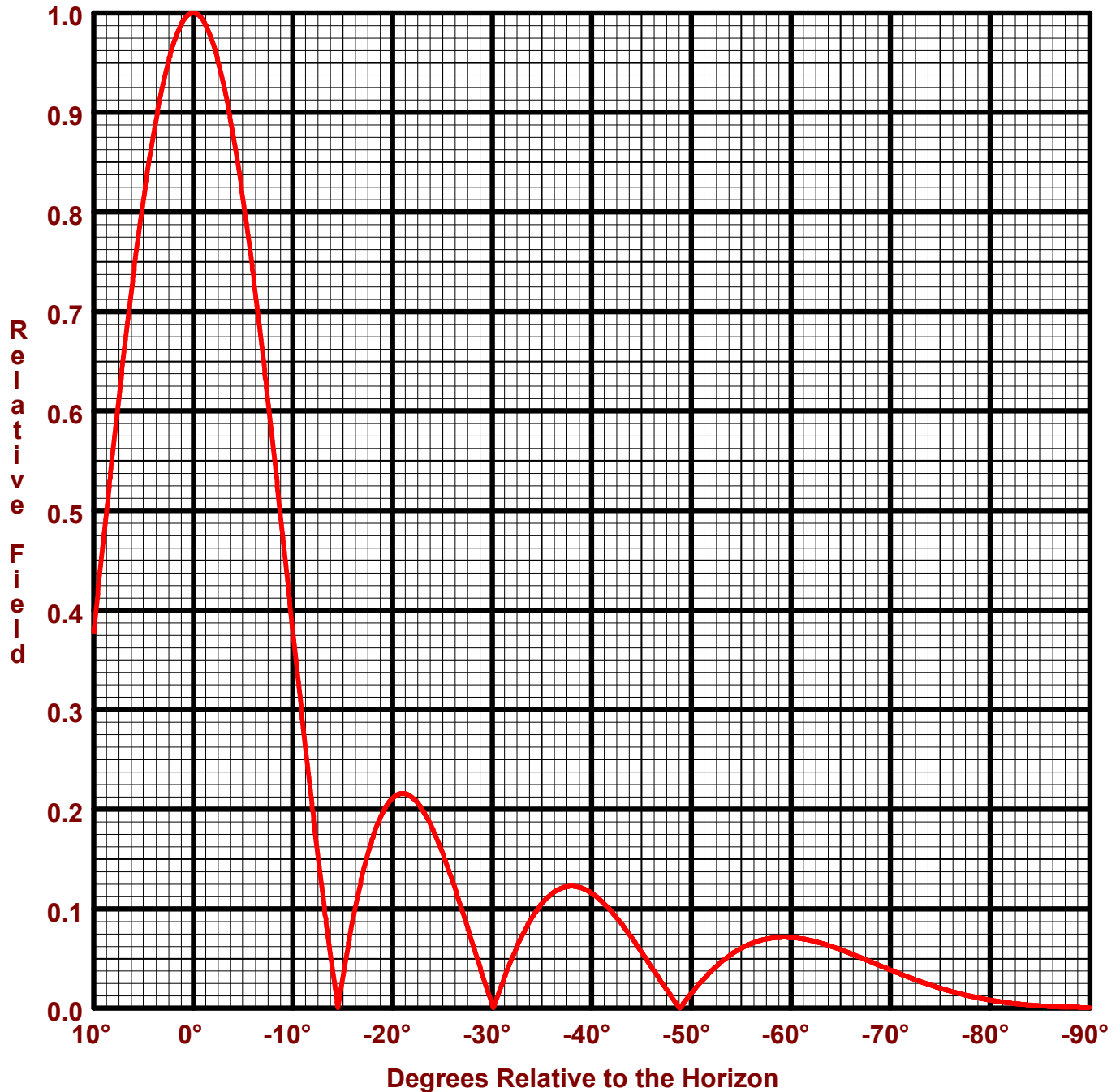
Date: 10/3/2013

H/V Power Ratio: 0.987

.5 Wave-length Spacing

0° Beam Tilt

0% First Null Fill



Horizontal Polarization:

Maximum: 3.992 (6.012 dB)

Horizontal Plane: 3.992 (6.012 dB)

Maximum ERP: 100.000 kW

Vertical Polarization:

Maximum: 3.941 (5.956 dB)

Horizontal Plane: 3.941 (5.956 dB)

Maximum ERP: 98.727 kW

Directional Antenna System for KTBG, Warrensburg, Missouri

(Continued)

ANTENNA SPECIFICATIONS

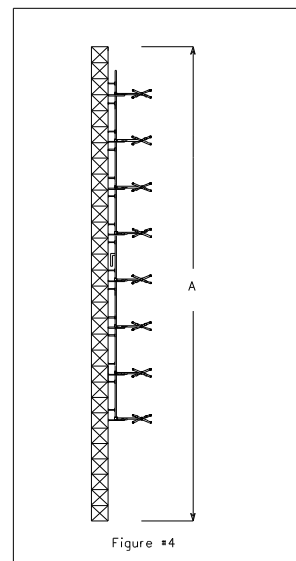
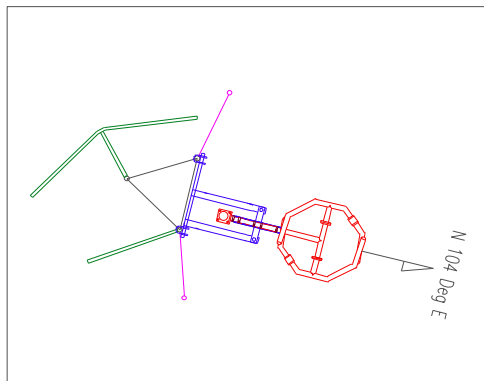
Antenna Type: MP-8AC-DA-HW
Frequency: 90.9 MHz
Number of Bays: Eight

MECHANICAL SPECIFICATIONS

Mounting: Custom
System length: 41 ft 9 in
Aperture length required: 52 ft 8 in¹
Orientation: 104° true
Input flange to the antenna 3 1/8" female.

ELECTRICAL SPECIFICATIONS (For directional use)

Maximum horizontal ERP: 100 kW (20 dBk)
Horizontal maximum power gain: 3.992 (6.012 dB)
Maximum vertical ERP: 98.727 kW (19.944 dBk)
Vertical maximum power gain: 3.941 (5.956 dB)
Total input power: 25.050 kW (13.988 dBk)





November 26, 2013

Kansas City Public Television
125 East Thirty-First Street
Kansas City, MO 64108
(816)398-4211

Atten: Jeff Evans

RE: Antenna Installation Certification

Dear Jeff:

On Sunday, November 24, 2013, we returned to the KCPT Oak Grove antenna site to verify the orientation of the installation of the new antenna, Model No. ERI MP-8AC-DA-HW. The antenna was attached to the top of the exiting tower. The antenna orientation was measured at 104deg 55' 37" East of True North (within 55'37") as specified in the manufacturer's installation instructions.

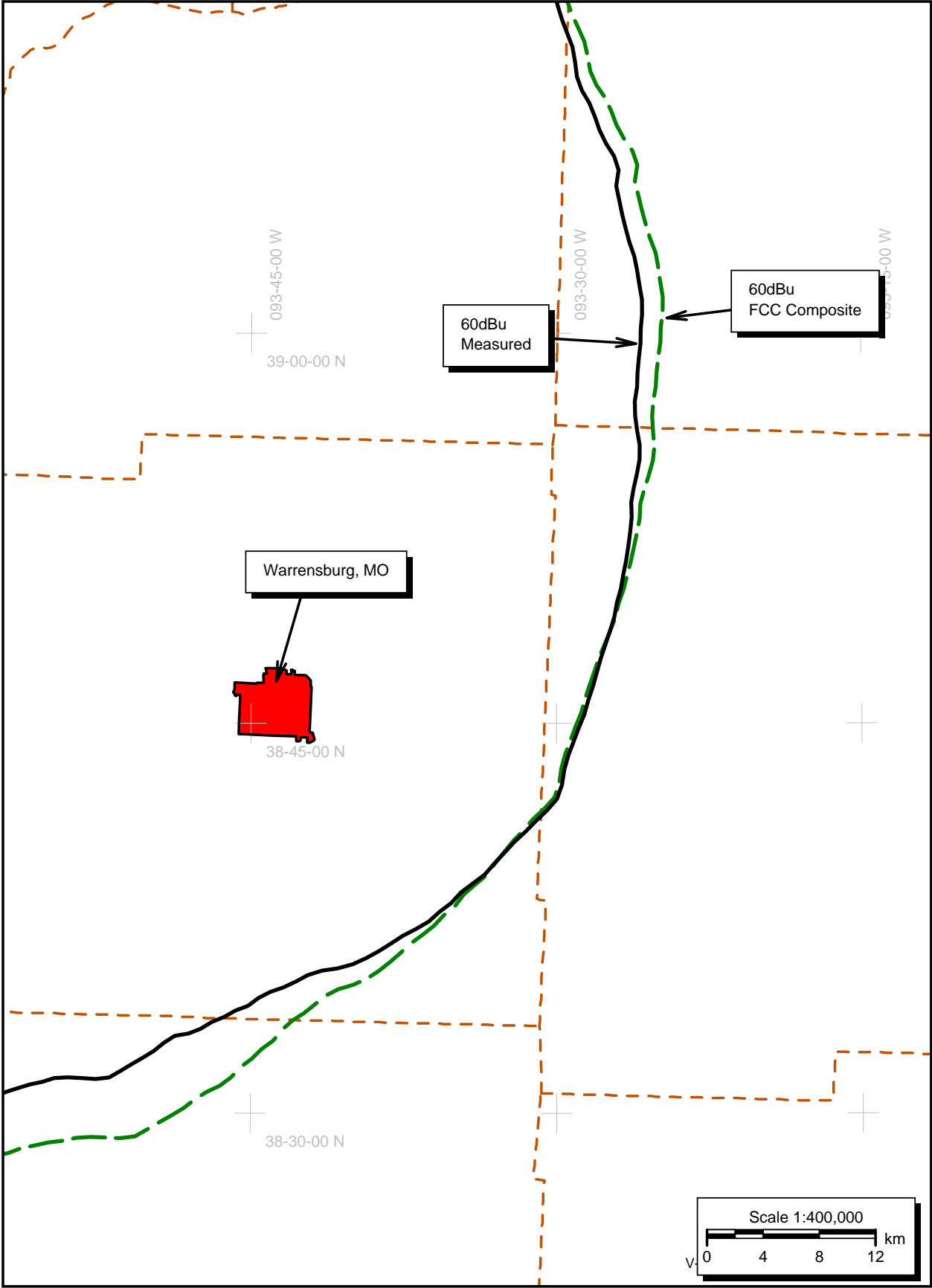
Sincerely,

A handwritten signature in blue ink that reads 'Timothy Johannes'. The signature is written in a cursive, flowing style.

Timothy Johannes PLS

V.P., Manager Field Services

KTBG Community of License Coverage, 73.316(c)(2)(ix)(B) Compliance





KTBG, Warrensburg MO.

ENGINEERING STATEMENT- PER CP CONDITION 4

BMPED-20130307ABU

This letter will certify that the KTBG directional antenna system as authorized in BMPED-20130307ABU was installed under my direct supervision by qualified tower riggers and was installed pursuant to the instructions provided by the antenna manufacturer, Electronics Research, Inc. and to the best of my knowledge is in full compliance with the terms of the construction permit. I personally witnessed the assembly and field installation of this antenna between November 23rd and 28th 2013.

I have over forty years' experience in the field of broadcast engineering and have overseen construction of numerous FM antenna systems. My qualifications are a matter of record with the FCC.

Signed and Certified

A handwritten signature in black ink that reads "Bert Goldman". The signature is fluid and cursive.

Bert Goldman
President
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