

EXHIBIT 9

ENGINEERING STATEMENT RE LICENSE APPLICATION FOR THE AUTHORIZED

AUXILIARY OPERATION OF STATION WJJZ(FM), BURLINGTON, NJ

DECEMBER 2007

This engineering statement has been prepared on behalf of Greater Philadelphia Radio, Inc. (“GPR”), licensee of radio station WJJZ(FM), Burlington, NJ, and is in support of an application to license the auxiliary operation authorized in Construction Permit No. BMXPH-20070613ADE.

At present, WJJZ(FM) is licensed to operate the main facilities on Channel 248B (97.5 MHz) with 26 kW effective radiated power (ERP) and 208 meters antenna height above average terrain (AHAAT) using an ERI directional FM antenna. The authorized WJJZ(FM) auxiliary operation is for Channel 248B (97.5 MHz) with 0.85 kW effective radiated power (ERP) and 350 meters antenna height above average terrain (AHAAT) using the main antenna of WMGK(FM)/WBEN(FM).

Attached hereto are the measurements requested (item 2) under “Special operating conditions or restrictions” in the WJJZ(FM) auxiliary Construction permit.

This application is being filed to cover Construction Permit No. BMXPH-20070613ADE in accordance with FCC Rules.

Report Of Intermodulation Product Findings

**Philadelphia, PA.
Paoli, Avenue**

WBEN-FM	95.7 MHz.
WJJZ	97.5 MHz.
WMGK	102.9 MHz.

Project 10783C

November 19, 2007

**Electronics Research Inc.
7777 Gardner Road
Chandler, Indiana 47610
Phone (812) 925-6000 Fax (812) 925- 4030**

TABLE OF CONTENTS

Philadelphia, Pennsylvania

Report of Findings for Intermodulation Product Measurements

Page 3.....	Introduction
Page 4.....	Carrier Reference Levels
Page 3.....	Table of Third order Products Expected
Page 6,7	Intermodulation Product Measurements
Page 8	Conclusion
Page 9	Affidavit

Exhibits Accompanying This Report

EXHIBIT A	Antenna and Combiner Specification Sheet and Drawing
A-1.....	Drawing Depicting Antenna
A-2.....	ERI Antenna Specification Sheet
A-3.....	Drawing Depicting Combiner Module
A-4.....	ERI Combiner Specification Sheet
A-5.....	Theoretical Vertical Plane Relative Field Antenna Plots
EXHIBIT B-1	Intermodulation Product Measurement Equipment Layout
B-2.....	Broadcasting Scheme of the Multiplexed System

REPORT OF FINDINGS
WBEN-FM / WJJZ / WMGK
95.7 MHz. / 97.5 MHz. / 102.9 MHz.

Introduction: This report of findings is based on data collected at the WBEN-FM, WJJZ, and WMGK Paoli Avenue broadcast facility located in Philadelphia, Pennsylvania. The report includes measurements offered as proof that the combined operations of WBEN-FM (95.7 MHz.), WJJZ (97.5 MHz.), and WMGK (102.9) transmitters are in compliance with the FCC Rules and Regulations as required by the Code of Federal Regulations (CFR) Title 47 section 73.317 paragraph (b) through (d). In brief, the collection of measurements presented in this report shows that all possible third order inter-modulation (IM) products generated by this multiplex system are less than the maximum allowable level as required by section 73.317 (b) through (d). Jeff Taylor of Electronics Research, Inc. located in Chandler, Indiana performed the measurements summarized herein on November 19, 2007.

The following exhibits are provided:

Exhibit A:

- A-1 Drawing Depicting Antenna.
- A-2 1084-2CP Antenna Specification Sheet.
- A-3 Drawing Depicting Multiplexing Scheme.
- A-4 Bandpass and Constant Impedance Combiner Multiplexer Specification Sheet.
- A-5 Theoretical Vertical Plane Relative Field Antenna Plots

Exhibit B:

- B-1 Equipment Employed In Intermodulation Product Measurement.
 - B-2 Broadcasting Scheme of the Multiplexed Systems.
- Table 1. Carrier Reference Levels.
Table 2. Calculated Third Order Products.
Table 3. Intermodulation Analysis Measurements.

Exhibits Accompanying Report: Exhibit A provides comprehensive information on both antenna and filters used by these radio stations. Exhibit B illustrates the broadcasting scheme of each station, the layout of the equipment used to isolate and measure potential intermodulation products and forward carrier reference levels. Found within Table 1 are the narrow band carrier frequency measurements that provide relative output signal levels for the IM analysis. Table 2 lists the calculated third order products that can be generated from FM transmitters broadcasting from the multiplexed system. The IM Analysis Measurements, in Table 3, provides detailed information obtained from the product frequency investigation.

The Nature of Intermodulation Products (IM): Intermodulation products result from inadequate transmitter-to-transmitter isolation. Intermodulation products are commonly generated from radio stations operating into multiplexed facilities and congested antenna broadcast sites. The mechanics associated with the phenomenon have been well documented. When two or more transmitters are coupled to each other, new spectral components are produced by the mixing of the station frequencies in the active circuits of each transmitter. The common term used to describe this phenomenon is third order product denoted by the mathematical expression $[2(F_1)-(F_2)]$, where F_1 signifies the frequency of the transmitter that is generating the intermodulation product, and F_2 signifies the frequency causing the interference.

The Multiplexed System: These measurements were taken with the three FM stations operating from the combined antenna system. The WBEN-FM, WJJZ, and WMGK multiplexed system is fundamentally comprised of antenna, feed line and multiplexer unit. The 1084-2CP (antenna), 945 notch, 960 bandpass and 963 constant impedance combiner units are products of Electronics Research, Inc, whereas the feed line is manufactured by Myat. Refer to Exhibit B-1, for an illustration of the Broadcasting Scheme of these stations.

To accomplish the aggregation of three transmitter signals into a common antenna feed and provide transmitter-to-transmitter isolation, a multiplexing scheme consisting of Constant Impedance Combiners, Non-adjacent Bandpass and Notch filter system was installed. Specifically, the Multiplexer utilizes one ERI Model 963-6 constant impedance module for 102.9 MHz., one ERI Model 963-6 constant impedance module with 945 Notch filter on the input for 95.7 MHz., and one 960-4 with non-adjacent coupling bandpass filter system. An interconnecting U-link is required to complete the multiplexer which is illustrated in the attached Exhibit A-3. The multiplexer, fully assembled, exhibited transmitter port-to-port isolation in excess of -84 dB. Other performance measurements, such as match, loss, group-delay, etc, revealed that the multiplexer unit was in proper working condition. Refer to Exhibit A-4 for the Combiner Specification Sheet.

The IM Investigation: Directional Couplers were placed at key locations throughout the combiner to monitor and maintain the multiplexer's performance. All couplers furnished with the system are factory calibrated and capable of delivering accurate and repeatable RF measurements. To facilitate the taking of the measurements, the coupler located at the antenna output of the multiplexed system was used. Care was taken in the selection of the measurement location to insure that the measurements would be made far removed from transmitters and any filtering used to reduce broadcast emissions. The coupler selected would normally be used for antenna reflection measurements and thus would provide greater than -32 dB directivity and a forward signal sample of -46 dB.

The forward port of the coupler was used for sampling the outgoing carrier levels and IM products. The IM sampled signal was fed by shielded cable into a Band Pass Filter where all extraneous energy was steeply attenuated. Various attenuation pads were used, when needed, on the band pass filter and/or the FIM71 to ensure an adequate signal level for measurements without overloading the measurement equipment. A Potomac Instruments FIM-71 Field Strength Receiver Serial # 242 was employed to record the level of all signals investigated. To facilitate the selective tuning of the Receiver and Band Pass Filter a Wavetek Model 3000 Serial # 7512028 signal generator was used. An Anritsu Model S114B Spectrum Analyzer Serial # 2082 was used to measure the close in spectral attenuation of each carrier and wide band search for any anomalies that may need further investigation. See attached Exhibit B-1 for an illustration of the measurement equipment.

Prior to recording measurements, all pertinent broadcasting equipment including Transmitters, Multiplexer, Feed Line and Antenna were adjusted to optimal performance. Also, it was confirmed before taking any measurements that all stations of concern were operating at their full licensed power level. From the equipment setup described above, the relative output signal level of each stations forward carrier was made. The resulting signal levels of these measurements are listed in Table 1, column labeled "Adjusted Level". This level will be used as the reference level for possible IM products of each carrier and was necessary to confirm that no significant levels of spurious energy, referenced to each carrier, were present from any transmitter operating from the multiplexed system.

Table 1 - Carrier Reference Levels.

Carrier Frequency (MHz)	Pad One (dB)	Bandpass Filter Loss (dB)	Full Scale Range (dBμ)	Scale Reading (dB)	Adjusted Level (dBμ)	Notes
WBEN-FM 95.7	6	-	140	12.4	133.6	
WJJZ 97.5	6	-	120	3.7	122.3	
WMGK 102.9	6	-	140	12.6	133.4	

Predictable third-order products due to system harmonics mixed with all on-site interfering frequencies that could be generated from the multiplexed system are calculated and listed in Table 2.

Table 2 - Third order Products.

Interfering Frequencies	Carrier Frequencies		
	95.7	97.5	102.9
WRTI 90.1	101.3	104.9	115.7
WHYY 90.9	100.5	104.1	114.9
WXTU 92.5	98.9	102.5	113.3
WYSP 94.1	97.3	100.9	111.7
WBEN-FM 95.7		99.3	110.1
WRDW 96.5	94.9	98.5	109.3
WJJZ 97.5	93.9		108.3
WOGL 98.1	93.3	96.9	107.7
WBEB 101.1	90.3	93.9	104.7
WMGK 102.9	88.5	92.1	
WPPZ 103.9	87.5	91.1	101.9
WRFS 104.5	86.9	90.5	101.3
WDAS 105.3	86.1	89.7	100.5

Using the equipment previously described the IM product measurements were recorded and are listed in Table 3. The signal levels referenced to the carriers are calculated and listed in the column labeled "Level Referenced to Carrier". Refer to Exhibit B-2 for a layout of the measurement equipment.

IM Measurements Taken

Product Frequency (MHz)	Transmitter Frequency (MHz)	Interfering Frequency (MHz)	Pad (dB)	Bandpass Filter Loss (dB)	Total Loss	Full Scale Range (dBμ)	Scale Reading (dBμ)	Adjusted Level (dBμ)	Carrier Reference Level (dBμ)	Level Referenced to Carrier (dB)	Notes
86.1	95.7	105.3	6	10.9	16.9	20	16.7	20.2	133.6	-113.4	
86.9	95.7	104.5	6	10.9	16.9	20	6.8	30.1	133.6	-103.5	
87.5	95.7	103.9	6	10.9	16.9	20	14.3	22.6	133.6	-111	
88.5	95.7	102.9	6	10.8	16.8	60	18.5	58.3	133.6	-75.3	#1&2
89.7	97.5	105.3	6	10.7	16.7	20	17.2	19.5	122.3	-102.8	
90.3	95.7	101.1	6	10.7	16.7	40	14.7	42	133.6	-91.6	
90.5	97.5	104.5	6	10.6	16.6	20	10.3	26.3	122.3	-96	
91.1	97.5	103.9	6	10.7	16.7	40	8.5	48.2	122.3	-74.1	#3
92.1	97.5	102.9	6	10.4	16.4	20	11.7	24.7	122.3	-97.6	#1
93.3	95.7	98.1	6	10.3	16.3	40	13.3	43	133.6	-90.6	#4
93.9	95.7	97.5	6	10.4	16.4	40	13.3	43.1	133.6	-90.5	#1
93.9	97.5	101.1	6	10.6	16.6	20	11.1	25.5	122.3	-96.8	
94.9	95.7	96.5	6	10.5	16.5	40	19.9	36.6	133.6	-97	
96.9	97.5	98.1	6	10.2	16.2	40	17.6	38.6	122.3	-83.7	
97.3	95.7	94.1	6	10.2	16.2	20	19.2	17	133.6	-116.6	#5
98.5	97.5	96.5	6	10.1	16.1	20	12.3	23.8	122.3	-98.5	
98.9	95.7	92.5	6	10.1	16.1	60	18.5	57.6	133.6	-76	#6
99.3	97.5	95.7	6	10.1	16.1	20	12.9	23.2	122.3	-99.1	#1
100.5	95.7	90.9	6	9.9	15.9	40	3.2	52.7	133.6	-80.9	#7
100.5	102.9	105.3	6	9.9	15.9	40	3.2	52.7	133.4	-80.7	#7
100.9	97.5	94.1	6	10.1	16.1	20	2.4	33.7	122.3	-88.6	
101.3	95.7	90.1	6	9.9	15.9	40	11.1	44.8	133.6	-88.8	
101.3	102.9	104.5	6	9.9	15.9	40	11.1	44.8	133.4	-88.6	
101.9	102.9	103.9	6	9.8	15.8	20	4.4	31.4	133.4	-102	
102.5	97.5	92.5	6	9.9	15.9	40	17.5	38.4	122.3	-83.9	#8
104.1	97.5	90.9	6	9.8	15.8	40	18.5	37.3	122.3	-85	
104.7	102.9	101.1	6	9.4	15.4	40	5.3	50.1	133.4	-83.3	
104.9	97.5	90.1	6	9.6	15.6	20	4.9	30.7	122.3	-91.6	
107.7	102.9	98.1	6	9.1	15.1	20	16.9	18.2	133.4	-115.2	
108.3	102.9	97.5	6	9.3	15.3	20	19.5	15.8	133.4	-117.6	#1
109.3	102.9	96.5	6	9.1	15.1	20	19.5	15.6	133.4	-117.8	
110.1	102.9	95.7	6	9.1	15.1	20	17.2	17.9	133.4	-115.5	#1

Product Frequency (MHz)	Transmitter Frequency (MHz)	Interfering Frequency (MHz)	Pad (dB)	Bandpass Filter Loss (dB)	Total Loss	Full Scale Range (dBμ)	Scale Reading (dBμ)	Adjusted Level (dBμ)	Carrier Reference Level (dBμ)	Level Referenced to Carrier (dB)	Notes
113.3	102.9	92.5	6	8.9	14.9	20	19.8	15.1	133.4	-118.3	
114.9	102.9	90.9	6	9.1	15.1	20	20	15.1	133.4	-118.3	
115.7	102.9	90.1	6	9.2	15.2	20	20	15.2	133.4	-118.2	

Notes:

- #1 Products in bold are combiner system products.
- #2 Local Carrier WXPB @ 88.5 MHz.
- #3 Local Carrier WRTI @ 91.1 MHz.
- #4 Local Carrier WMMR @ 93.3 MHz.
- #5 WJJZ 97.5 MHz. off for this measurement.
- #6 Local Carrier WUSL @ 98.9 MHz.
- #7 Local Carrier WPHI @ 100.3 MHz.
- #8 WMGK 102.9 MHz. off for this measurement.

The Spectrum Analyzer was used to check the close in spectral attenuation of the carrier to confirm the operation of the transmitter is in compliance with Sections (b) and (c) of the FCC Rules and Regulations.

As a final proof of the systems IM Product performance, a wide band search was undertaken using the Spectrum Analyzer. The purpose for this measurement was to look for suspicious anomalies that may warrant further investigation. My search ranged the complete frequency span of the receiver and resulted in no additional investigations.

Conclusion: Based upon my observations and measurements taken on November 19, 2007 as summarized in this document, I, Jeff Taylor, find the subject system, specifically the transmitter and filter system for the operation of WBEN-FM, WJJZ, and WMGK into the antenna to be in proper working order. Furthermore, based on the measured data, it is my opinion that there are no inter-modulation products in excess of 80 dB below carrier levels generated from or within the station operating on the installed system. Based on this recorded data, I conclude that WBEN-FM, WJJZ, and WMGK is in compliance with the requirements of Section 73.317 paragraph (b) through (d) of the FCC Rules and Regulations.

Respectfully submitted,
Electronics Research, Inc.

Jeff Taylor, Field Technician

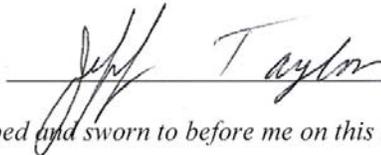
State of Indiana)) SS:
County of Warrick)

AFFIDAVIT

I, Jeff Taylor, hereby declare that the following statements are true and correct to the best of my knowledge and belief :

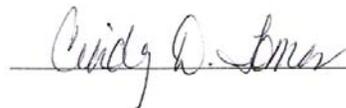
- 1.) I am a Field Technician for Electronics Research, Inc (“ERI “) and have been employed by ERI for 11 years. I am familiar with and have assisted in the design, manufacturing and installation of FM Antennas and FM Multiplexers in my long tenure with ERI.
- 2.) I have either prepared and/or directly supervised the preparation of all technical information contained in this Report of Findings and to my knowledge to be accurate and true.
- 3.) ERI has been requested by Greater Media on behalf of radio Stations WBEN-FM, WJJZ, and WMGK in Philadelphia, Pennsylvania to prepare this Report of Findings.

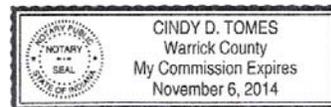
Jeff Taylor; Field Technician



Subscribed and sworn to before me on this 3rd, day of December, 2007.

Cindy D. Tomes; Notary Public
My commission expires November 6, 2014





A-2 ERI Antenna Specification Sheet

**Paoli Avenue
Philadelphia, Pennsylvania**

General Specifications

Antenna Type High Power FM-Broadcast, Suitable For Multiplexing
 Model Number COG1084-2CP (Cogwheel)
 Number of Bay Levels Two
 Polarization Right Hand Circular

Electrical Specifications

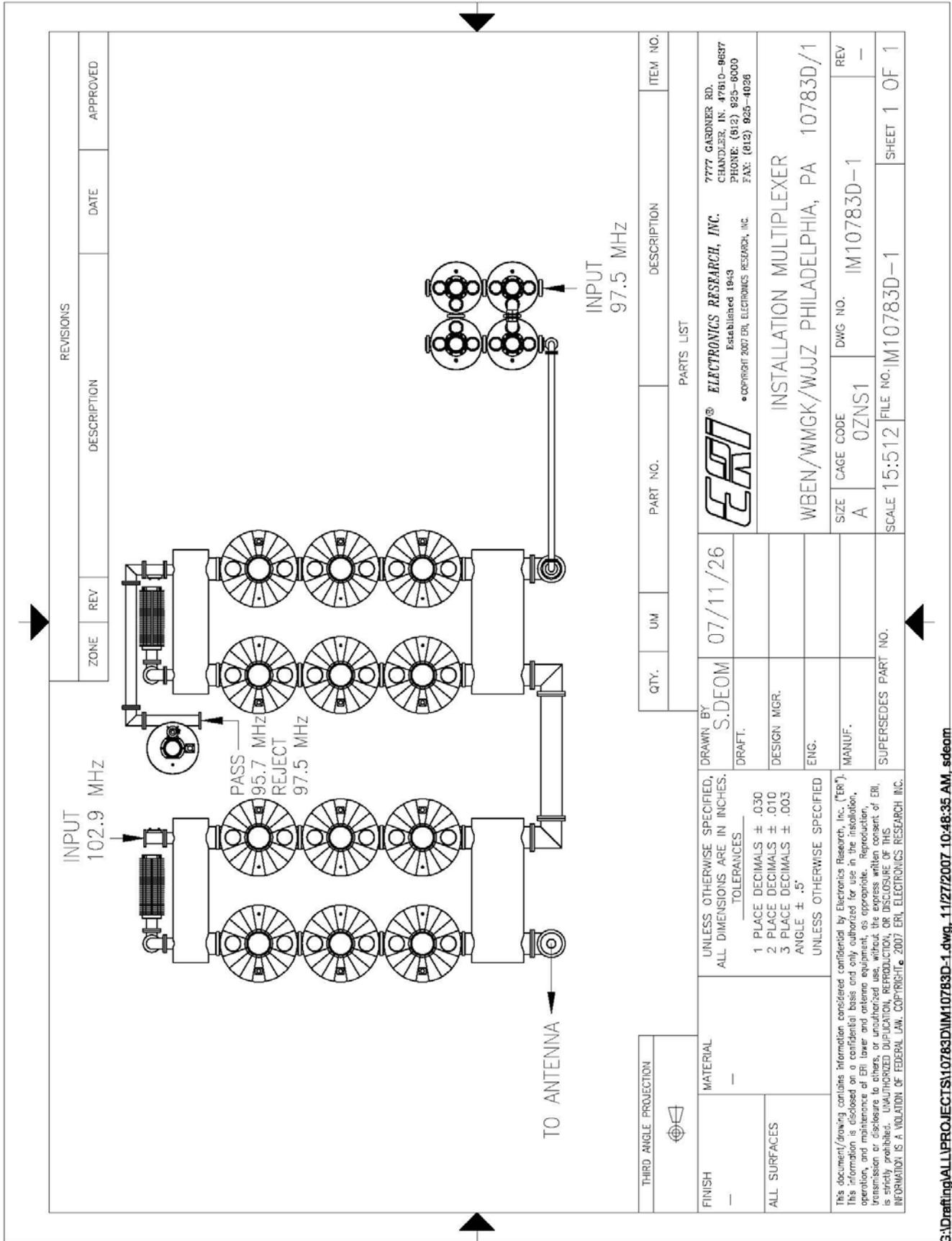
Antenna Input Power Capability 72 KW Max ⁽¹⁾
 Operating Frequency Band 88 ~ 108 Megahertz.
 VSWR. <1.15:1 @ Operating Frequencies⁽²⁾
 Azimuthal Pattern Circularity Better Then +/- 1dB From RMS (Free Space)
 Power Split 50/50 (Horizontal & Vertical)
 Frequency Specific Information:

<u>Frequency</u>	<u>Station ERP</u>	<u>Beam Tilt</u>	<u>First Null Fill</u>	<u>Second Null Fill</u>	<u>Power Gain</u>	<u>Line Loss</u> ⁽³⁾	<u>Filter Loss</u> ⁽⁴⁾	<u>Computed TPO</u>
95.7	8.9 KW	0°	0 %	0%	.6363	-1.1648 dB	.2707 dB	19.8 KW
97.5	.85 KW	0°	0 %	0%	.6440	-1.1750 dB	.4555 dB	1.9 KW
102.9	8.9 KW	0°	0 %	0%	.6677	-1.2032 dB	.2607 dB	18.9 KW

Mechanical Specifications

Antenna Feed System Fed With One 3 1/8" Line
 Input Connector 3 1/8"-50 Ohm EIA Flanged
 Element Deicing None
 Interbay Spacing 57 3/16" Center to Center
 Array Length 14.4 Feet
 Construction Material (Antenna) All Noncorrosive
 Construction Material (Mounting) All Stainless Steel

1) Power Capability Has Been Rated Assuming an Operating Transmission VSWR of 1.5:1
 2) VSWR Specification Achieved After On Site Tuning For User Specific Frequencies.
 3) Line Loss Assumes A Feed Run of 1280 Feet, 3 1/8" Rigid along with transmitter to input of filters. (per station)
 4) Losses Taken From Actual Combiner.



REVISIONS		
ZONE	REV	DESCRIPTION
		DATE
		APPROVED

QTY.	UM	PART NO.	DESCRIPTION	ITEM NO.
PARTS LIST				
			ERI ELECTRONICS RESEARCH, INC. Established 1943 • COPYRIGHT 2007 ERI, ELECTRONICS RESEARCH, INC. 7777 GARDNER RD. CHANDLER, IN. 47610-9697 PHONE: (812) 925-6000 FAX: (812) 925-4026	
			INSTALLATION MULTIPLEXER	
			WBEN/MMGK/WJUZ PHILADELPHIA, PA 10783D/1	
			SIZE A	REV -
			CAGE CODE 0ZNS1	DWG NO. IM10783D-1
			SCALE 15:512	FILE NO. IM10783D-1
			SUPERSEDES PART NO.	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.

TOLERANCES

1 PLACE DECIMALS ± .030
 2 PLACE DECIMALS ± .010
 3 PLACE DECIMALS ± .003
 ANGLE ± .5°

UNLESS OTHERWISE SPECIFIED

THIS DOCUMENT/DRAWING CONTAINS INFORMATION CONSIDERED CONFIDENTIAL BY ELECTRONICS RESEARCH, INC. ("ERI"). THIS INFORMATION IS DISCLOSED ON A CONFIDENTIAL BASIS AND ONLY AUTHORIZED FOR USE IN THE INSTALLATION, OPERATION, AND MAINTENANCE OF ERI TOWER AND OUTSTATION EQUIPMENT, AS APPROPRIATE. REPRODUCTION, TRANSMISSION OR DISSEMINATION TO OTHERS OR UNAUTHORIZED USE, WITHOUT THE EXPRESS WRITTEN CONSENT OF ERI, IS STRICTLY PROHIBITED. UNAUTHORIZED DUPLICATION, REPRODUCTION, OR DISCLOSURE OF THIS INFORMATION IS A VIOLATION OF FEDERAL LAW. COPYRIGHT © 2007 ERI, ELECTRONICS RESEARCH INC.

A-4 ERI Combiner Specification Sheet

Paoli Avenue
Philadelphia, Pennsylvania

General Specifications:

Multiplexer Type963 Constant Impedence & 960 Bandpass with Non-adjacent Coupling
Number of Combining Units Three
Injected Port to Injected Port Isolation..... < - 84 dB
Output Connector 6 1/8 "50 Ohm EIA (Flanged)
Output Power (Designed) 120 KW⁽¹⁾

Heat RemovalNatural Convection
Physical Arrangement.....All Components floor standing

Injected Port Specifications:

Frequency Assignment 95.7, 97.5, and 102.9 MHz.
Power Rating, Each Injected Port (Designed) 20 KW for 95.7 and 102.9 MHz. 3 KW for 97.5 MHz.
Input Connector 3-1/8" 50 Ohm EIA (Flanged) for 95.7 and 102.9, 1 5/8" for 97.5 MHz.
VSWR < 1.2:1 @ +/-200 KHz.⁽²⁾
Group Delay Less than 200 ns Overall Variation, Carrier @ +/- 150 KHz.
Insertion Loss (Measured):

95.7 MHz..... - 0.2707 dB
97.5 MHz..... - 0.4555 dB
102.9 MHz..... - 0.2607 dB

1) Power Rating Listed is as Designed Only. Actual Power Capabilities May Vary.
2) When Terminated in 50 Ohm Resistive Load.

ELECTRONICS RESEARCH, INC.
7777 GARDNER ROAD
CHANDLER, IN. 47610

FIGURE 1

-----THEORETICAL-----
VERTICAL PLANE RELATIVE FIELD

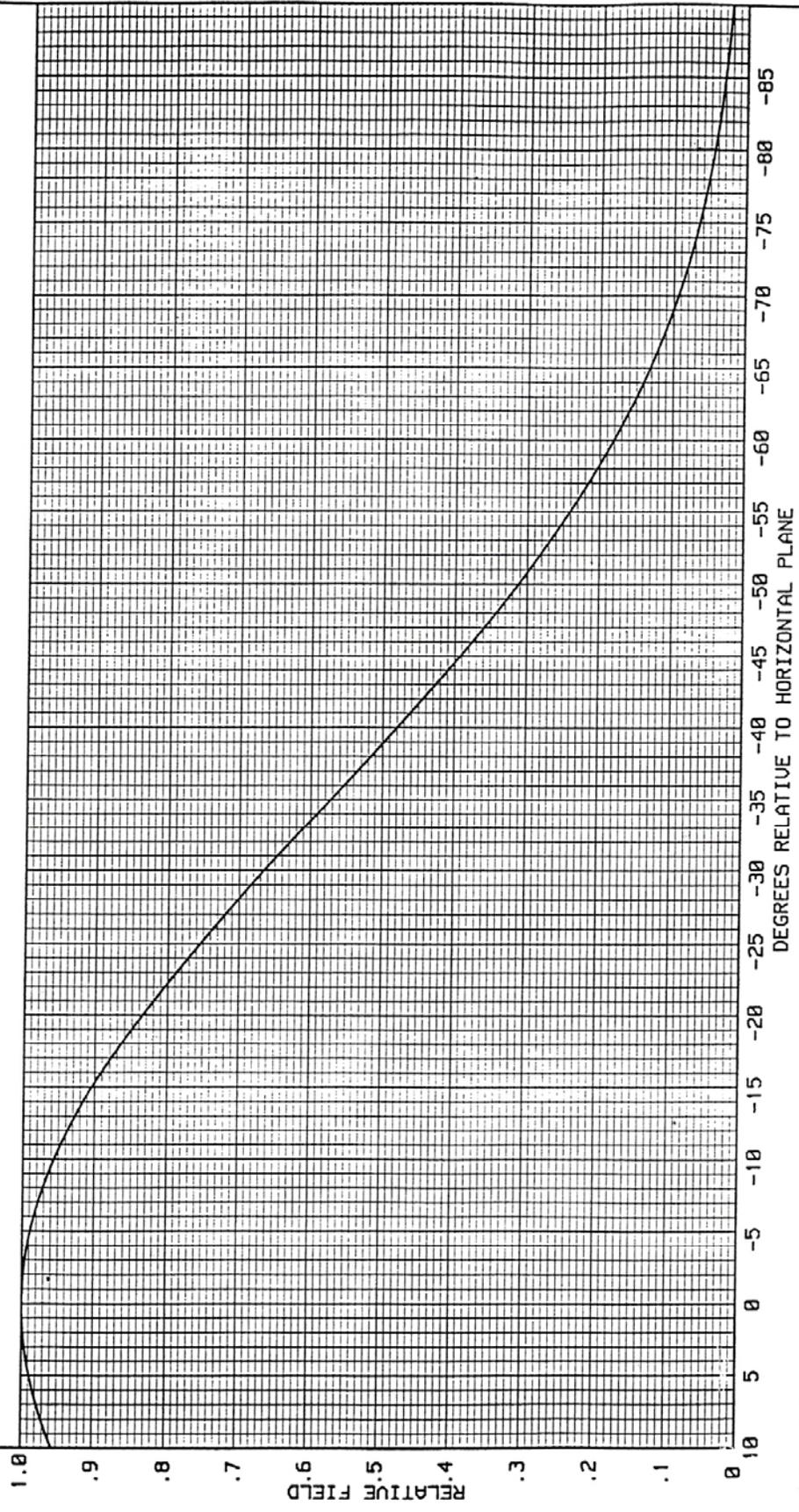
2 LEVELS OF TYPE 1080 ELEMENTS
+0.00 DEGREE(S) BEAM TILT
0 PERCENT FIRST NULL FILL
0 PERCENT SECOND NULL FILL

POWER GAIN IS 0.6363 IN THE HORIZONTAL PLANE(0.6363 IN THE MAX.)

JANUARY 15, 1999

95.7 MHz

BAY SPACING
57.19 INCHES
(.4637 WAVELENGTH)



ELECTRONICS RESEARCH, INC.
7777 GARDNER ROAD
CHANDLER, IN. 47610

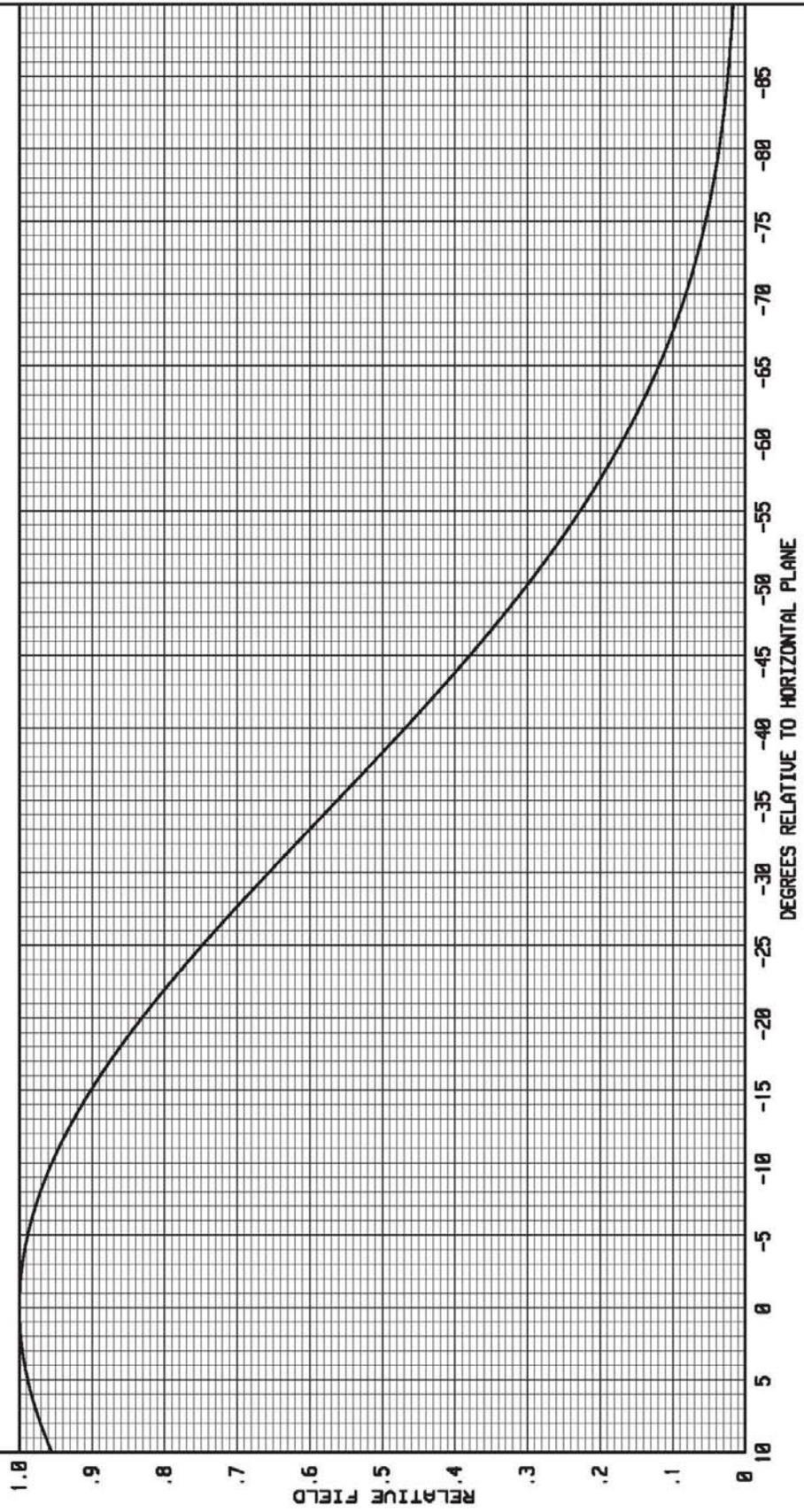
FIGURE 1B

-----THEORETICAL-----
VERTICAL PLANE RELATIVE FIELD

2 LEVELS OF TYPE 1080 ELEMENTS
+0.00 DEGREE(S) BEAM TILT
0 PERCENT FIRST NULL FILL
0 PERCENT SECOND NULL FILL

POWER GAIN IS 0.6440 IN THE HORIZONTAL PLANE(0.6440 IN THE MAX.)

OCTOBER 25, 2007
97.5 MHz.
BAY SPACING:
57.19 INCHES

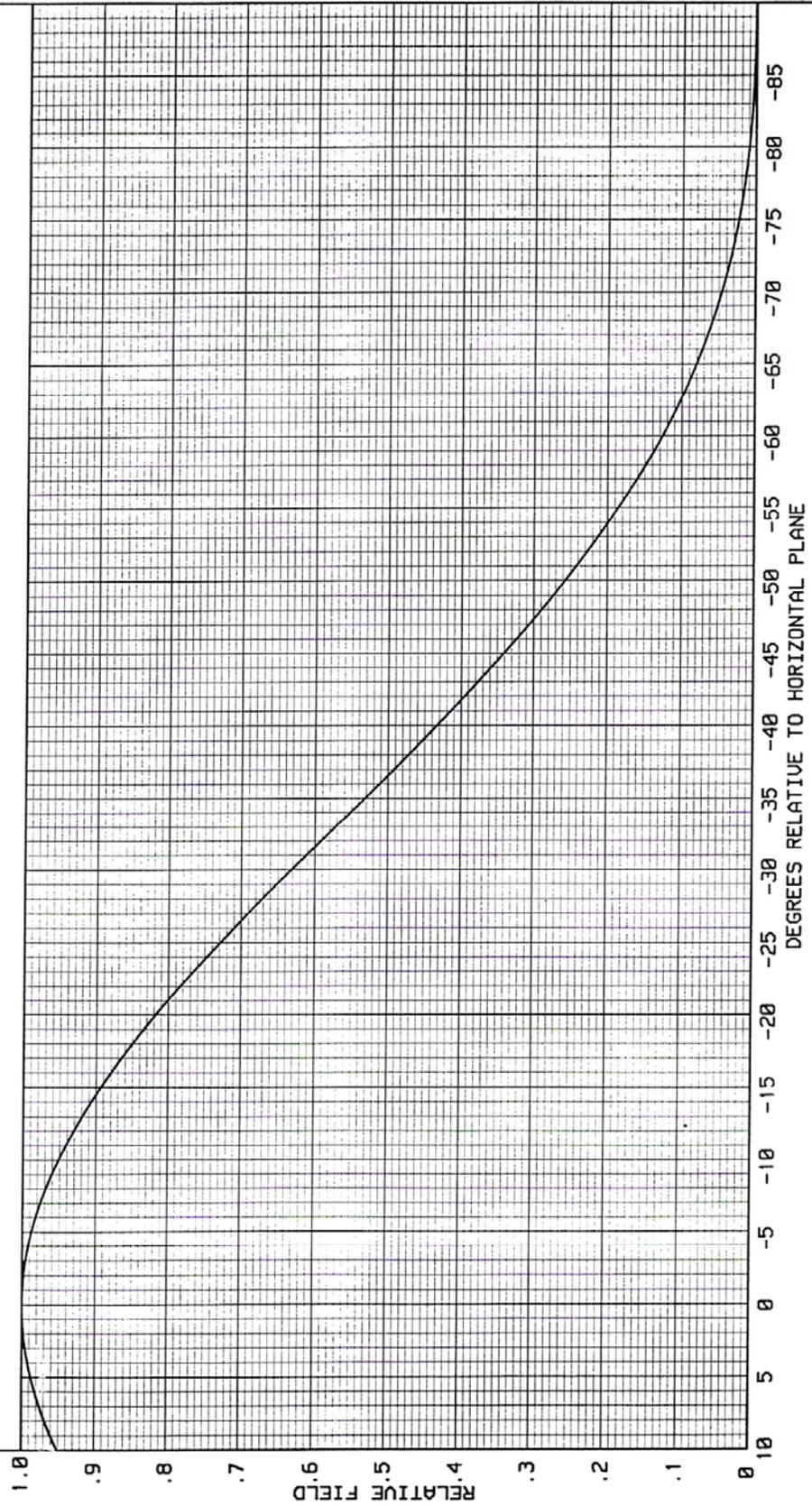


ELECTRONICS RESEARCH, INC.
7777 GARDNER ROAD
CHANDLER, IN. 47610

FIGURE 1

-----THEORETICAL-----
VERTICAL PLANE RELATIVE FIELD
2 LEVELS OF TYPE 1080 ELEMENTS
+0.00 DEGREE(S) BEAM TILT
0 PERCENT FIRST NULL FILL
0 PERCENT SECOND NULL FILL

FEBRUARY 3, 1998
102.9 MHz
BAY SPACING
57.19 INCHES
(.4986 WAVELENGTH)



Broadcasting Scheme and Equipment Employed in Intermodulation Measurements

