

ENGINEERING STATEMENT OF RYAN WILLOUR OF THE FIRM KESSLER  
AND GEHMAN ASSOCIATES, INC., CONSULTING ENGINEERS IN  
CONNECTION WITH A MINOR AMENDMENT TO A PENDING LICENSE  
MODIFICATION APPLICATION FOR A FM BROADCAST STATION  
WXEL(FM)  
FCC FILE NUMBER BMLED-20030509AAR  
BARRY TELECOMMUNICATIONS, INC.  
WEST PALM BEACH, FLORIDA

PROCLAMATION OF ENGINEER

I, Ryan Wilhour, am an associate of Kessler and Gehman Associates, Inc. with offices in Gainesville, Florida. I am a graduate of the University of Florida with a Bachelor of Science degree in electrical engineering.

This firm has been retained by Barry Telecommunications, Inc. (hereinafter referred to as "Barry") to prepare a minor amendment to a pending license modification application, FCC file number BMLED-20030509AAR.

SYNOPSIS

The Commission granted Barry a construction permit for a minor modification to their WXEL(FM) facility (FCC File No.: BMPED-20021017AAN). Upon completion of construction, a license to cover application was filed and granted (FCC File No.: BLED-20030417ABF). Upon Barry's inspection of the license, an error was discovered in the specified Transmitter Power Output "TPO" figure. FCC file number BMLED-20030509AAR was filed to correct the TPO from 9.0 kW to 4.04 kW along with some other corrections to errors found in the proof of performance.

The Commission reviewed the license modification and discovered that the proof of performance contains an incorrect composite antenna azimuth pattern tabulation and the measured composite azimuth pattern RMS value is less than 85% of the authorized composite azimuth pattern RMS value.

BMLED-20030509AAR MINOR AMENDMENT

It is herein proposed to modify the permitted antenna pattern, and correct erroneous data found in the proof of performance. As such, the following amendments have been made:

- Exhibit E1 is a statement from Vyacheslav Bulkin of Jampro who manufactured the WXEL(FM) antenna and drafted the original proof of performance. The exhibit certifies that an error has been made in computing the composite antenna pattern in the original proof of performance and as a result a corrected proof of performance is being submitted in the instant amendment application.
- Pursuant to section 73.1690(c)(2)(ii) the instant amendment reduces some relative field values which will bring the measured "as built" composite relative field pattern within the required 85% RMS threshold. Exhibit E2A is a tabulation of the modified composite antenna pattern. Exhibit E2B demonstrates a composite relative field polar plot of the permitted composite relative field values (black contour), the modified composite relative field values (red contour), and the corrected proof of performance measured composite relative field values (blue contour). The blue contour is 86.2% of the RMS value of the red contour and thus will bring the measured composite pattern well within the 85% RMS threshold.

DECLARATION OF ENGINEER

The foregoing statement and the report regarding the aforementioned engineering work are true and correct to the best of my knowledge. Executed on September 29, 2005.

KESSLER AND GEHMAN ASSOCIATES, INC.

Ryan Wilhour



Consulting Engineer



6340 Sky Creek Drive  
Sacramento, California 95828 USA

Telephone (916) 383-1177  
Fax (916) 383-1182

Federal Communications Commission  
Media Bureau  
Audio Division  
445 12th Street SW  
Washington, DC 20554

re: Application BMLED-20030509AAR

July 29, 2005

Dear Sirs,

I am an Antenna Engineer at Jampro Antennas, Inc., which manufactured the directional antenna used by FM station WXEL Channel 214 at Palm Beach FL. I prepared the certification for the referenced antenna, Model JCPD-3/3 (9) DA, on April 2, 2003. I submitted a revised certification to reflect a change in ERP to 38 kW on October 27, 2004.

I have been informed by the technical consultant for WXEL that the FCC engineering staff has taken issue with the showing of the composite pattern and its rms value. In review, I find that indeed an error was made in the computation of the composite pattern. Therefore, I submit herein a revision to the certification to reflect the correct composite pattern and its associated rms value.

Jampro regrets any inconvenience due to this error caused to any party to this proceeding.

Sincerely,

Vyacheslav M. Bulkin  
Antenna Engineer  
Jampro Antennas, Inc.

WXEL(FM)

West Palm Beach, Florida

TABULATION OF RELATIVE FIELD FOR PROPOSED DIRECTIONAL ANTENNA

<u>AZIMUTH</u>	<u>RELATIVE FIELD</u>	<u>AZIMUTH</u>	<u>RELATIVE FIELD</u>
N000°E	0.680	N180°E	0.300
N010°E	0.800	N190°E	0.320
N020°E	0.890	N200°E	0.320
N030°E	0.970	N210°E	0.330
N040°E	1.000	N220°E	0.350
N050°E	1.000	N230°E	0.370
N060°E	0.950	N240°E	0.390
N070°E	0.880	N250°E	0.420
N080°E	0.780	N260°E	0.500
N090°E	0.660	N270°E	0.620
N100°E	0.527	N280°E	0.700
N110°E	0.420	N290°E	0.620
N120°E	0.390	N300°E	0.500
N130°E	0.370	N310°E	0.438
N140°E	0.350	N320°E	0.369
N150°E	0.300	N330°E	0.385
N160°E	0.280	N340°E	0.438
N170°E	0.280	N350°E	0.550

MAXIMUM OF 1.000 AT 40 AND 50  
MINIMUM OF 0.28 AT 160 AND 170

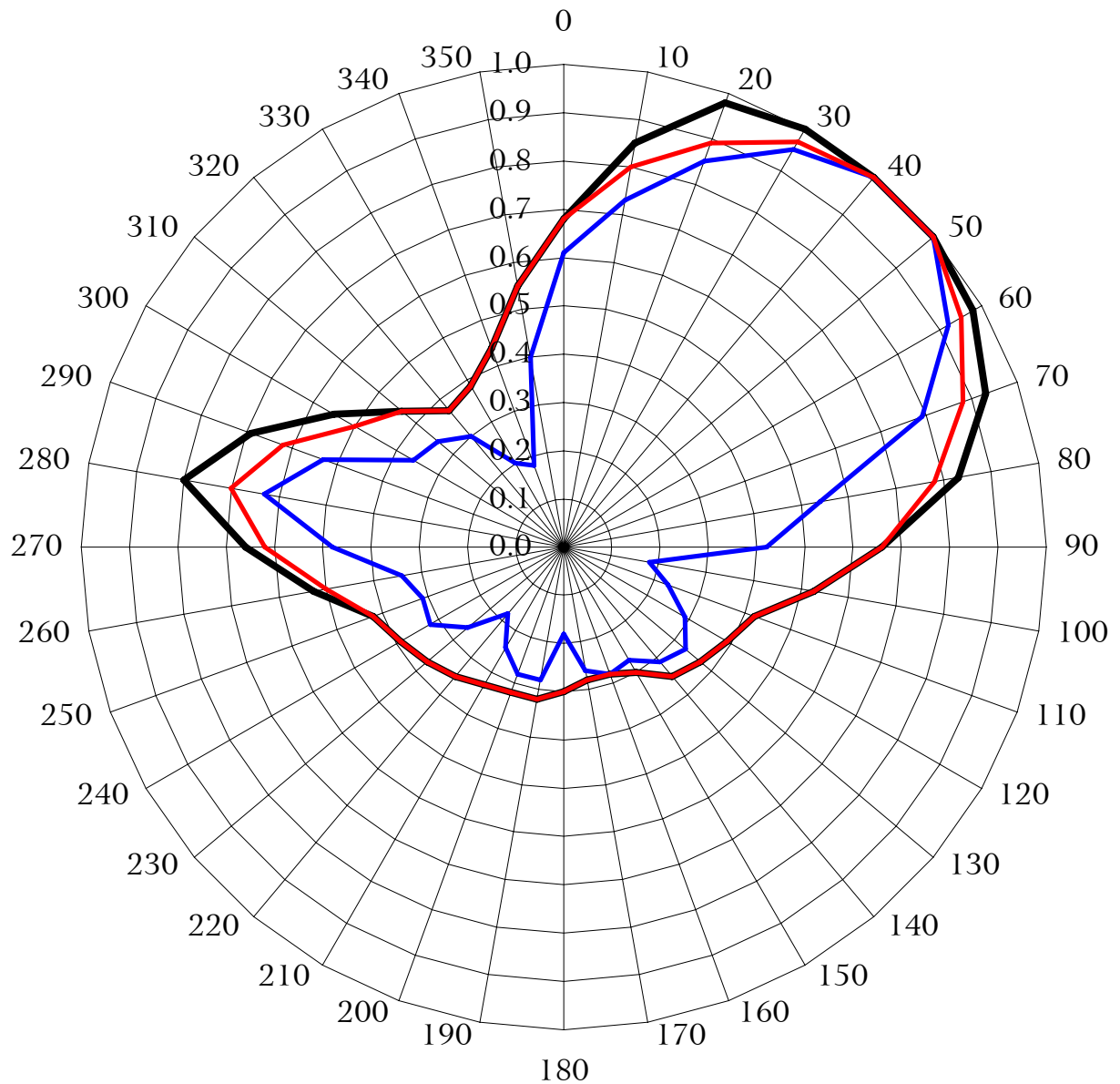
**KESSLER & GEHMAN**  
TELECOMMUNICATIONS CONSULTING ENGINEERS  
507 N.W. 60th Street, Suite C  
Gainesville, Florida 32607

**WXEL(FM)**  
**WEST PALM BEACH, FLORIDA**

20050928

EXHIBIT E2A

## RELATIVE FIELD AZIMUTH PATTERN



— FCC Licensed Composite Relative Field

— Measured Proof of Performance Composite Relative Field

— Modified Composite Relative Field

**KESSLER & GEHMAN**

TELECOMMUNICATIONS CONSULTING ENGINEERS

507 N.W. 60th Street, Suite C

Gainesville, Florida 32607

**WXEL(FM)**  
**WEST PALM BEACH, FLORIDA**

20050928

EXHIBIT E2B