

**SELLMEYER ENGINEERING**  
BROADCAST & COMMUNICATION CONSULTING ENGINEERS  
P. O. Box 356 McKinney, Texas 75070  
MEMBER AFCCE

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**ENGINEERING STATEMENT RE:  
APPLICATION FOR STATION LICENSE  
RADIO STATION KZWV  
CHANNEL 270C2, 43 KW ERP, 161 MTRS AAT  
ELDON, MISSOURI  
FILE NO.: BPH-20071108AAT  
FAC ID: 165951**

**INTRODUCTION**

This Engineering Statement has been prepared on behalf of Randall C. Wright, permittee of station KZWV, Eldon, Missouri. Construction of the facilities authorized in construction permit BPH-20071108AAT has been completed in accordance with the terms and conditions of the instant permit. Equipment tests have been completed and the station facilities adjusted for operation at the authorized power (43.0 KW ERP). **MAIN**

**STUDIO**

The main studio is located at:

1081 Osage Beach Road  
Osage Beach, Missouri 65065  
Telephone: 573-746-7873

The studio is located within the 70 dBu contour of the station.

**COMPLIANCE WITH CONDITIONS**

The permittee is in compliance with all conditions imposed on the construction permit.

1: Wright Communications, LLLP accepts the condition concerning protection of workers on the tower and will reduce power or suspend operations when workers would be exposed to radiofrequency radiation in excess of those noted in OET Bulletin 65.

**CALCULATION OF TRANSMITTER POWER OUTPUT**

ERP:	43.00 KW
GAIN:	2.519
ANT INPUT:	17.07 KW
LINE EFF:	0.858
<b><u>TPO:</u></b>	<b><u>19.9 KW</u></b>

Transmission line: 465 feet Andrew HJ-8-50B: Efficiency = 85.8%

The installed antenna is Electronics Research, Inc. type number SPHX-8-AC-HW

  
J. S. Sellmeyer, P. E.



September 9, 2008