

**ENGINEERING STATEMENT
APPLICATION FOR MINOR MODIFICATION OF CONSTRUCTION PERMIT
BLUE CHIP BROADCASTING LICENSES II, LTD.
FM BROADCAST STATION WLRS
SHEPHERDSVILLE, KY
CHANNEL 286A
FACILITY ID 51074**

This statement is prepared by Blue Chip Broadcasting Licenses II, LTD (Blue Chip), licensee of FM Station WLRS, Shepherdsville, KY. WLRS is presently licensed to 105.1 MHz, channel 286A with an effective radiated power (ERP) of 2.2 KW, with antenna height above average terrain (HAAT) of 136 meters, FCC file BLH-20030108ABE.

On July 6, 2007 Blue Chip was granted construction permit BPH-20070119AEW to relocate the WLRS antenna to a new location. When the original construction permit application was submitted, Blue Chip had reasonable assurance the site was available. Further structural analysis determined the tower was not a suitable site. An existing tower 1.46 Kilometers from the construction permit site was determined to be suitable, and this application proposes to modify construction permit BPH-20070119AEW to specify the new location.

The new proposed location is an existing tower, Antenna Structure Registration Number 1023251, which describes the location at these geographical coordinates:

38° 04' 55" North Latitude (NAD 27)

85° 47' 06" West Longitude (NAD 27)

The proposed facility is a directional antenna mounted at a center of radiation 180 meters HAAT, 84 meters above ground level, and 342 meters above mean sea level (AMSL). Site elevation is 258.2 meters AMSL. Overall existing tower height is 89.6 meters above ground level and 347.8 meters AMSL. Maximum ERP is 1.9 Kilowatts. Antenna HAAT was calculated with the FCC Audio Division HAAT calculator using 360 evenly spaced radials. Antenna ERP was calculated with the FCC Audio Division FM Power program.

The Community of License, Shepherdsville, KY receives 70 dBu or greater signal in compliance with Section 73.313, as shown in Figure 1. The US 2000 Census city boundaries database was used to define the city limits.

The main studio location is 520 S. Fourth Ave in Louisville, KY. This location is 18.2 miles from the reference coordinates for the community of license and in compliance with Section 73.1125.

A Section 73.207 spacing study is shown as Figure 2. The proposed antenna location is fully spaced under Section 73.207 except with respect to the following stations:

1. WUBE-FM, Facility ID 10140, Channel 286B, Cincinnati, OH
2. WMPI, Facility ID 14957, Channel 287A, Scottsburg, IN

Processing under Section 73.215 is requested towards stations WUBE-FM and WMPI.

In accordance with Section 73.215 contour protection is provided to WUBE-FM and WMPI, and shown in Figures 3 and 4. Contours shown for WUBE-FM and WMPI are maximum facilities for their licensed class. Contour protection is provided by a directional antenna, and the tabulated antenna azimuth pattern is shown in Figure 5.

The 115 dBu “blanketing” contour extends approximately .55 Kilometers from the transmitter site. The 2000 US Census database shows a population of zero within the 115 dBu contour. Blue Chip recognizes its responsibility to resolve complaints of interference in accordance with Sections 73.315(b), 73.316(e) and 73.318. There are no licensed AM broadcast stations within 3.2 Kilometers of the proposed site.

The proposed operation will not have a significant environmental impact, as defined in Section 1.1307(b). The antenna will be placed on an existing structure, and access to the structure is controlled. Radiofrequency electromagnetic field (RF) exposure was examined with Form 301 instructions worksheet # 3 and the proposed facility does not warrant further concern.

FCC Office of Engineering and Technology FM Model program was employed to predict RF power density in the area near the tower. A conservative one bay antenna of the ERI/Jampro "Rototiller" type was used for the study. At a height 2 meters above ground level maximum RF power density was predicted to be 4.2 $\mu\text{W}/\text{cm}^2$. This is 2.1 percent of the limit value for general population/uncontrolled exposure.

All areas of occupational/controlled RF exposure risk from the antenna are located on the tower. Access to the tower is controlled and workers on the tower can exercise control over their occupational RF exposure. Blue Chip recognizes its responsibility under Section 1.1307, and RF power will be reduced or turned off as necessary to protect persons having access to the site, tower or antenna from RF fields in excess of FCC guidelines.



Greg Strickland

Blue Chip Broadcasting Licenses II, LTD

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September 5, 2007

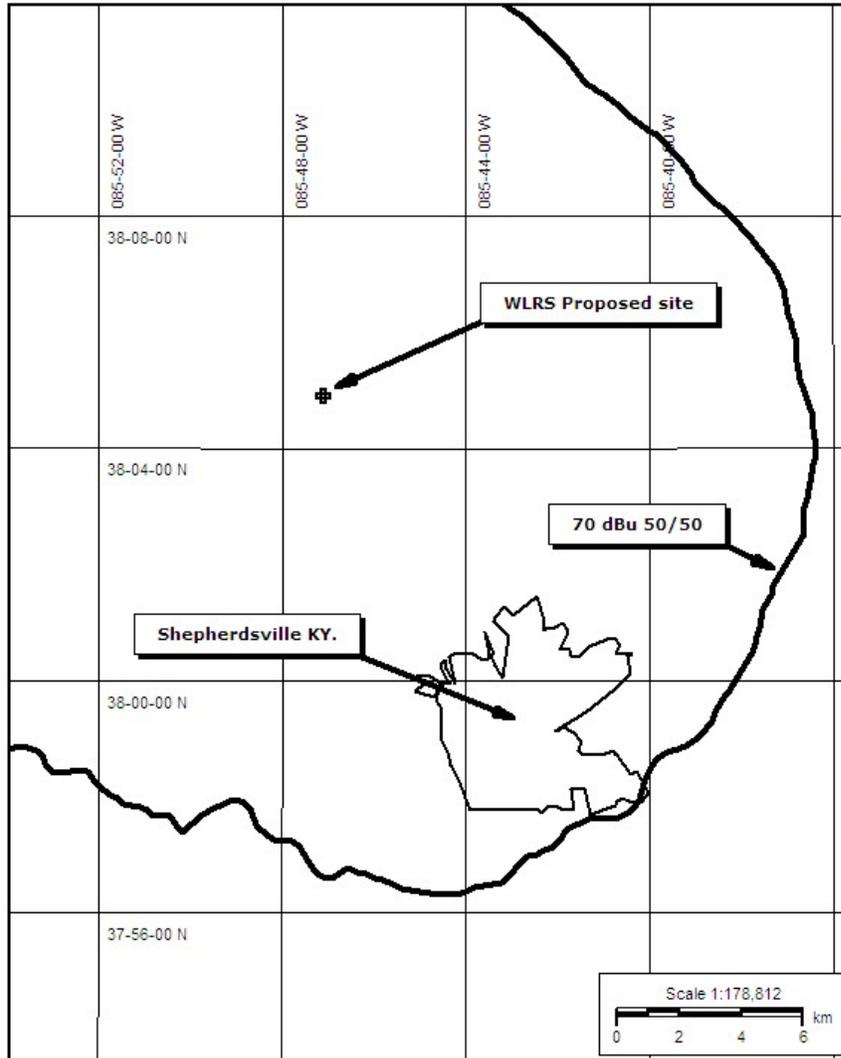


Figure 1
Community of License 70 dBu coverage

FM station WLRs
Shepherdsville, KY
Facility ID 51074
Channel 286A

WLRS Proposed site
73.207 spacing study

REFERENCE
38 04 55.0 N.
85 47 06.0 W.

CLASS = A
Current Spacings
Channel 286 - 105.1 MHz

DISPLAY DATES
DATA 08-30-07
SEARCH 09-03-07

| Call | Channel | Location | Azi | Dist | FCC | Margin |
|---------|-------------|-------------------|----------|--------|-------|---------|
| WLRS | CP -Z 286A | Shepherdsville | KY 113.7 | 1.46 | 115.0 | -113.54 |
| WLRS | LIC-N 286A | Shepherdsville | KY 158.0 | 4.02 | 115.0 | -110.98 |
| WUBE-FM | LIC 286B | Cincinnati | OH 43.5 | 161.11 | 178.0 | -16.89 |
| WMPI | LIC 287A | Scottsburg | IN 6.9 | 70.48 | 72.0 | -1.52 |
| WLVK | LIC 288A | Fort Knox | KY 198.3 | 35.02 | 31.0 | 4.02 |
| WRNZ | LIC 286A | Lancaster | KY 116.3 | 119.16 | 115.0 | 4.16 |
| WKHG | LIC 285A | Leitchfield | KY 215.0 | 77.28 | 72.0 | 5.28 |
| WKYW | LIC 285A | Frankfort | KY 78.2 | 77.80 | 72.0 | 5.80 |
| WTUV-FM | LIC 289A | Eminence | KY 59.9 | 60.45 | 31.0 | 29.45 |
| WHCC | LIC 286A | Ellettsville | IN 327.6 | 146.57 | 115.0 | 31.57 |
| WULF | LIC-N 232C2 | Hardinsburg | KY 241.2 | 48.41 | 15.0 | 33.41 |
| WOVO | APP-Z 287C3 | Glasgow | KY 193.0 | 125.42 | 89.0 | 36.42 |
| WITZ-FM | LIC 284B | Jasper | IN 286.8 | 105.49 | 69.0 | 36.49 |
| WOVO | LIC-N 287C3 | Glasgow | KY 177.5 | 129.75 | 89.0 | 40.75 |
| WJLT | LIC 287B | Evansville | IN 270.5 | 160.12 | 113.0 | 47.12 |
| WINN | LIC 285A | Columbus | IN 353.0 | 123.48 | 72.0 | 51.48 |
| WJRS | LIC 285A | Jamestown | KY 151.7 | 133.08 | 72.0 | 61.08 |
| WGRK-FM | CP -Z 289A | Greensburg | KY 165.4 | 94.32 | 31.0 | 63.32 |
| RADD | ADD 289A | Greensburg | KY 165.4 | 94.32 | 31.0 | 63.32 |
| AL9738 | RSV 289A | Cannelton | IN 251.4 | 95.73 | 31.0 | 64.73 |
| RADD | ADD 289A | Greenburg | KY 163.3 | 98.04 | 31.0 | 67.04 |
| WTCJ-FM | LIC 289A | Cannelton | IN 251.5 | 98.82 | 31.0 | 67.82 |
| WLKT | LIC-N 283C2 | Lexington-fayette | KY 90.2 | 129.23 | 55.0 | 74.23 |

Figure 2
73.207 Spacing study
FM Station WLRS
Shepherdsville, KY
Channel 286A
Facility ID 51074

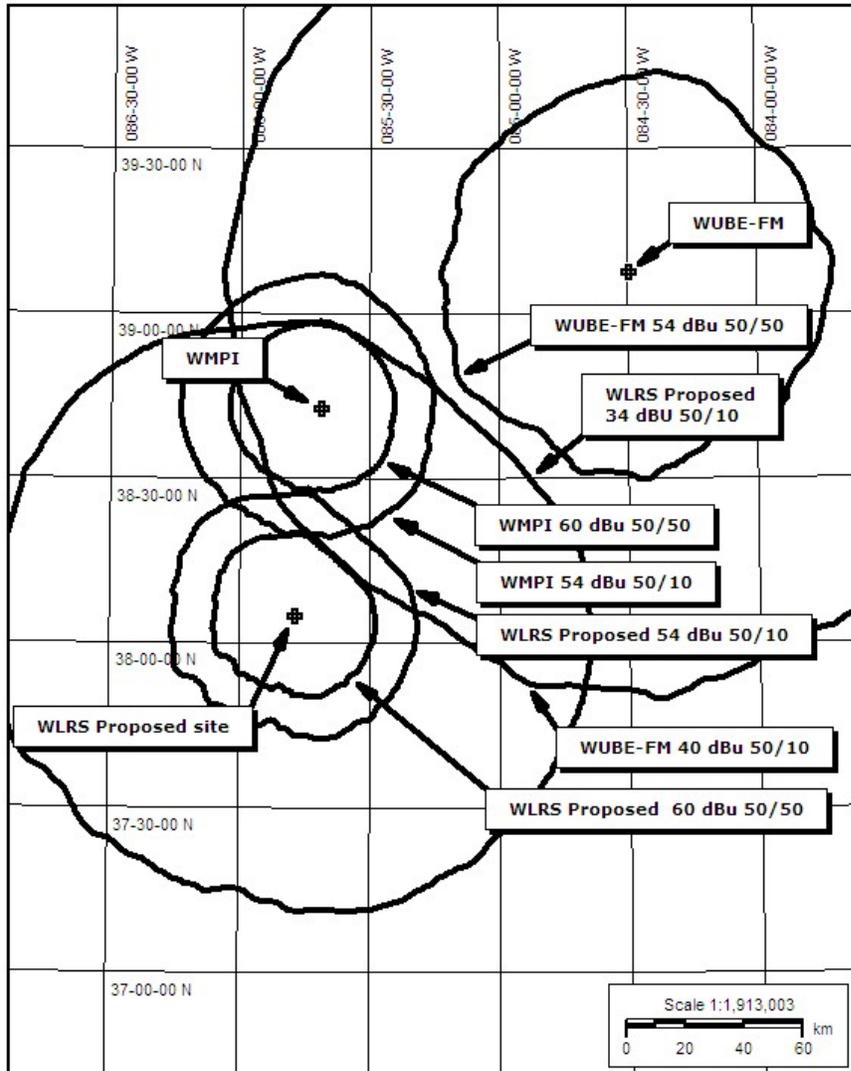


Figure 3
Section 73.215 contour protection

FM station WLRs
Shepherdsville, KY
Facility ID 51074
Channel 286A

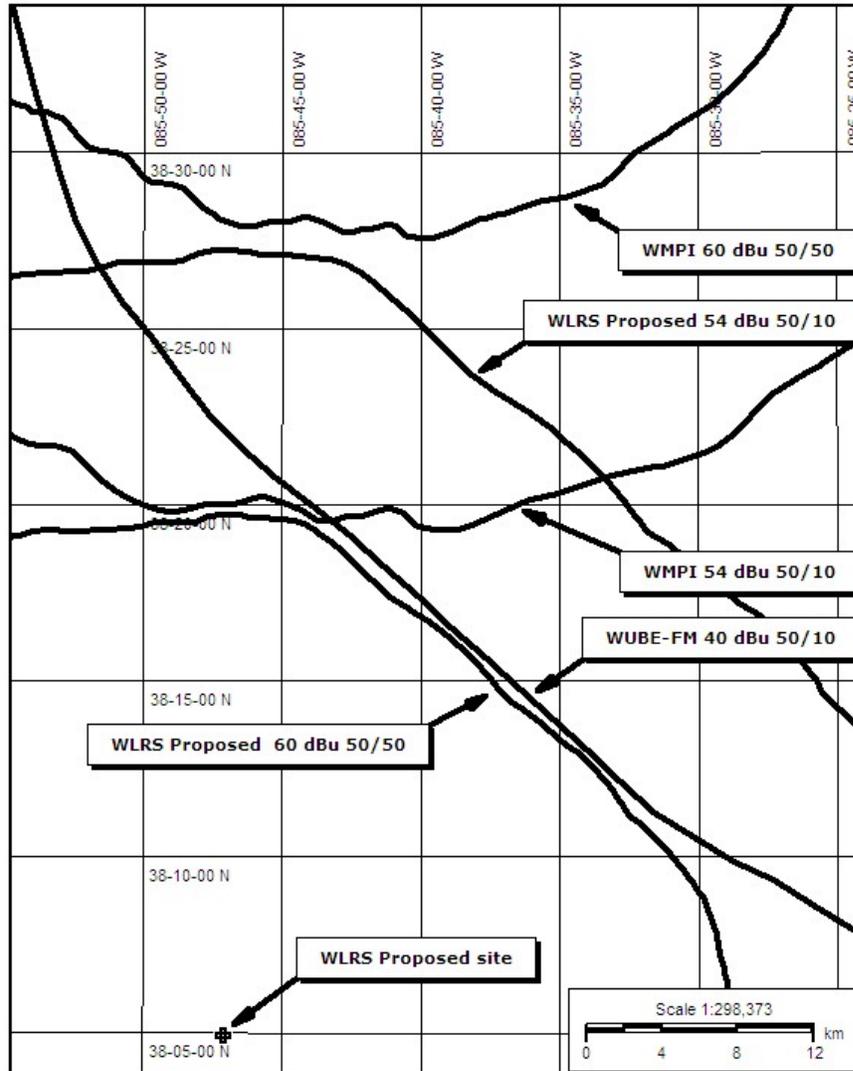


Figure 4
Section 73.215 contour protection

FM station WLRs
Shepherdsville, KY
Facility ID 51074
Channel 286A

Rotation Angle: 0

| Azimuth | Relative Field |
|---------|----------------|
| 0.0 | 0.860 |
| 10.0 | 0.800 |
| 20.0 | 0.680 |
| 30.0 | 0.620 |
| 40.0 | 0.580 |
| 50.0 | 0.640 |
| 60.0 | 0.750 |
| 70.0 | 0.920 |
| 80.0 | 1.000 |
| 90.0 | 1.000 |
| 100.0 | 1.000 |
| 110.0 | 1.000 |
| 120.0 | 1.000 |
| 130.0 | 1.000 |
| 140.0 | 1.000 |
| 150.0 | 1.000 |
| 160.0 | 1.000 |
| 170.0 | 1.000 |
| 180.0 | 1.000 |
| 190.0 | 1.000 |
| 200.0 | 1.000 |
| 210.0 | 1.000 |
| 220.0 | 1.000 |
| 230.0 | 1.000 |
| 240.0 | 1.000 |
| 250.0 | 1.000 |
| 260.0 | 1.000 |
| 270.0 | 1.000 |
| 280.0 | 1.000 |
| 290.0 | 1.000 |
| 300.0 | 1.000 |
| 310.0 | 1.000 |
| 320.0 | 1.000 |
| 330.0 | 1.000 |
| 340.0 | 0.940 |
| 350.0 | 0.850 |

Figure 5
Tabulated antenna azimuth pattern
FM station WLRS
Shepherdsville, KY
Channel 286A
Facility ID 51074