

EXHIBIT A

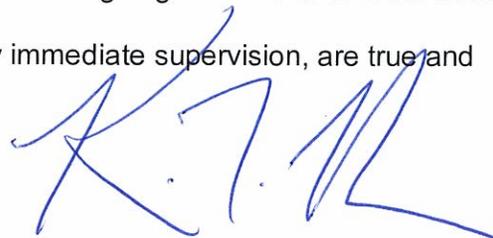
ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of EVANSVILLE LOW POWER PARTNERSHIP, licensee of a Low Power Television Station on Channel 36 in Evansville, Indiana (FCC Facility ID 17742), in support of this Application for Construction Permit to specify digital operation on Channel 36 from a new site, as a "flashcut" proposal.

It is proposed to mount the authorized Andrew directional antenna at the 152-meter level of an existing 288-meter communications tower. Exhibit B is a map upon which the predicted service contours are plotted. It is important to note that the proposed 51 dBu contour encompasses a significant portion of the Grade A contour that obtains from the licensed Channel 36 facility. Operating parameters for the proposed facility are tabulated in Exhibit C. An interference study (run with a cell size of 1.0 kilometer and increment spacing of 0.1 kilometer) is provided in Exhibit D, and a power density calculation follows as Exhibit E.

Because no change in the overall height or location of the existing tower is proposed, the FAA has not been notified of this application. The FCC issued Antenna Structure Registration Number 1231157 to this tower.

I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.



KEVIN T. FISHER

February 12, 2009

**CONTOUR POPULATION**

**51 DBU : 373,789**

**41 DBU : 459,318**

**Smith and Fisher**

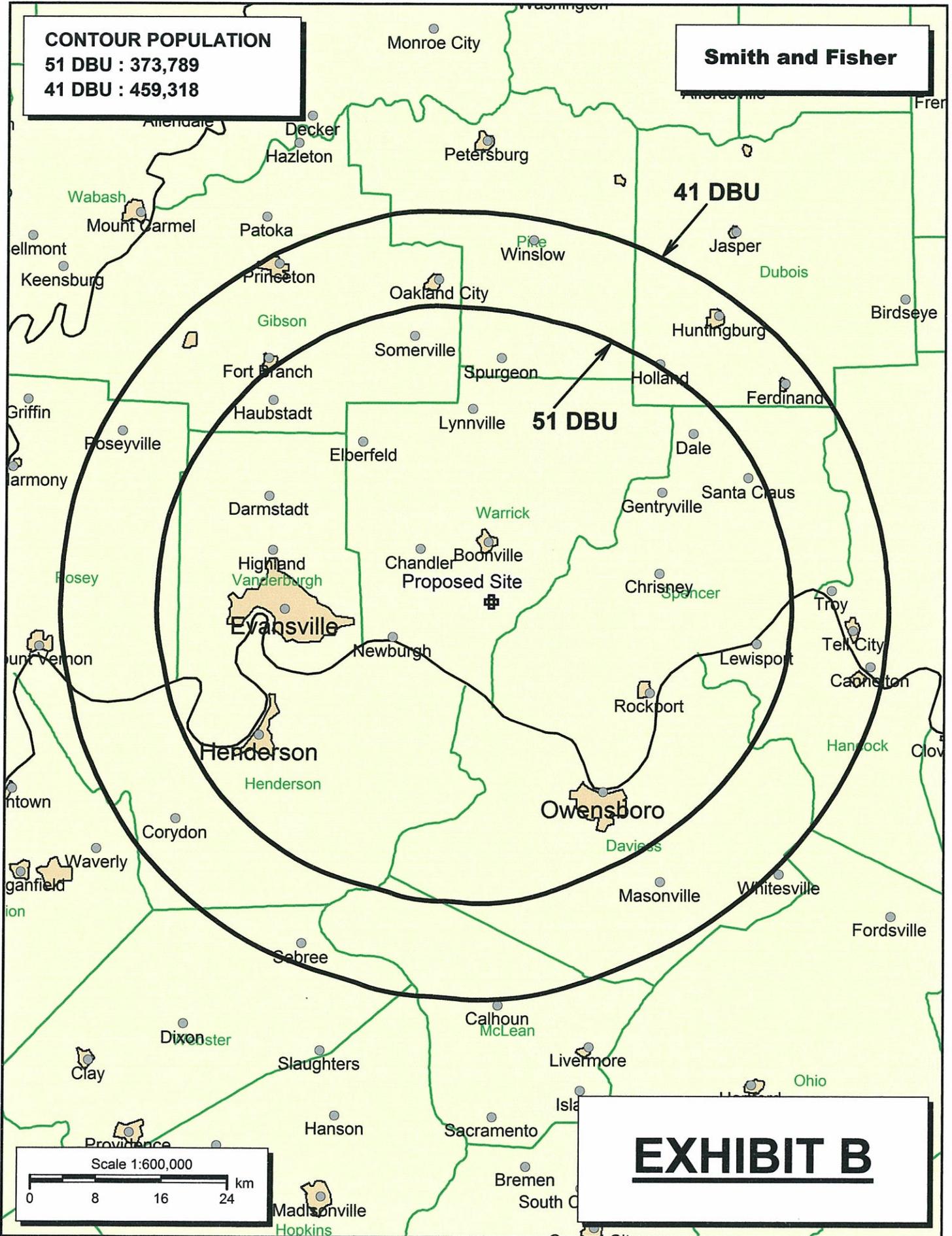
**41 DBU**

**51 DBU**

Proposed Site

**EXHIBIT B**

Scale 1:600,000



PROPOSED OPERATING PARAMETERS

PROPOSED LPTV DIGITAL FLASHCUT  
CHANNEL 36 – EVANSVILLE, INDIANA

Transmitter Power Output:	0.22 kw
Transmission Line Efficiency:	47.8%
Antenna Power Gain – Toward Horizon:	28.2
Antenna Power Gain – Main Lobe:	28.2
Effective Radiated Power – Toward Horizon:	3.0 kw
Effective Radiated Power – Main Lobe:	3.0 kw
Transmitter Make and Model:	Type-accepted
Transmission Line Make and Model:	Andrew LDF7-50A
Size and Type:	1-5/8" foam heliax
Length:	525 feet*
Antenna Make and Model:	Andrew ALP16L2-HSOC
Orientation	270° T
Beam Tilt	0.5 degrees
Radiation Center Above Ground:	152 meters
Radiation Center Above Mean Sea Level:	306 meters

\*estimated

LONGLEY-RICE INTERFERENCE STUDY  
PROPOSED LPTV DIGITAL FLASHCUT  
CHANNEL 36 – EVANSVILLE, INDIANA

We conducted a detailed interference study using the Longley-Rice methodology contained in the Commission's *OET Bulletin No. 69*, with respect to all facilities of concern. The software utilizes a 1-square kilometer cell size, calculates signal strength at 0.1 kilometer increments along each radial studied, and employs the 1990 U.S. Census to count population within cells. In addition, the program does not attribute interference to the proposed facility in cells within the protected contour of the station under study where interference from another source (other than that proposed herein) already is predicted to exist (also known as "masking"). The results of this study are provided in Exhibit D-2. It concludes that the facility proposed herein causes no significant new interference to any of the potentially affected stations.

As a result, it is believed that the proposed digital LPTV flashcut facility complies with the requirements of Sections 74.709, 74.793(e), 74.793(f), 74.793(g), 74.793(h), 74.794(b) and 73.1030 of the Commission's Rules.

Summary Study

1990 Census data selected  
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 02-12-2009 Time: 10:41:31

Record Selected for Analysis

WYYW-LP USERRECORD-01 EVANSVILLE IN US  
Channel 36 ERP 3. kW HAAT 183. m RCAMSL 00306 m STRINGENT MASK  
Latitude 037-59-01 Longitude 0087-16-12  
Status APP Zone 1 Border  
Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth  
45.  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 0.10 km

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	51.0 dBu F(50,90) (km)
0.0	1.347	170.2	35.6
45.0	1.135	183.7	35.5
90.0	1.363	183.0	36.4
135.0	1.135	185.5	35.6
180.0	1.347	190.2	36.8
225.0	2.392	190.6	39.8
270.0	2.982	184.2	40.6
315.0	2.392	180.0	39.2

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Channel	Proposed Station	ARN
36	Call City/State WYYW-LP EVANSVILLE IN	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
21	WBNA	LOUISVILLE KY	132.8	LIC	BLCT	-
19890201KS						
22	WVUT	VINCENNES IN	76.4	LIC	BLET	-344
22	W22CH	HOPKINSVILLE KY	124.0	LIC	BLTT	-
19990914AAJ						
28	WBKI-CA	LOUISVILLE KY	130.9	LIC	BLTTL	-
20010507AAD						
32	WKMF-LP	SULLIVAN IN	126.9	LIC	BLTTL	-
20060905AAC						
32	WLKY-TV	LOUISVILLE KY	132.6	LIC	BLCT	-2435
35	WIIB-LD	FARMERSBURG IN	126.9	CP	BDCCDTL	-
20061027AAY						
35	WKMA-TV	MADISONVILLE KY	90.7	LIC	BLET	-
19840420KR						
36	WFIQ	FLORENCE AL	381.3	LIC	BLET	-
19960129KG						
36	W64BZ	PARAGOULD AR	360.1	APP	BPTTL	-
20020819ABO						
36	NEW	SPRINGFIELD IL	274.4	LIC	BPRM	-
20000717AES						
36	W08DP	SPRINGFIELD IL	287.3	CP	BDISDTA	-
20060630AHG						
36	NEW	SPRINGFIELD IL	277.2	APP	BNPEDT	-
20030922ADE						
36	960129KH	SPRINGFIELD IL	282.7	APP	BPEDT	-
19960129KH						
36	WFFT-TV	FORT WAYNE IN	390.2	CP MOD	BMPCDT	-
20070125ACY						
36	WTWO	TERRE HAUTE IN	140.3	CP MOD	BMPCDT	-
20070125ADB						
36	WTVQ-TV	LEXINGTON KY	251.9	LIC	BLCT	-
19800619IX						
36	WKMU	MURRAY KY	182.0	LIC	BLEDT	-
20020304ALG						
36	W36DG	CINCINNATI OH	275.9	LIC	BLTT	-
20060105ABA						
36	W36DG	CINCINNATI OH	275.9	CP	BDFCDTT	-
20060329AHR						
36	WCNT-LP	CHATTANOOGA TN	368.3	LIC	BLTTL	-
20050908AAJ						
36	WNPX	COOKEVILLE TN	195.3	LIC	BLCDT	-
20040401ANA						



POWER DENSITY CALCULATION  
PROPOSED LPTV DIGITAL FLASHCUT  
CHANNEL 36 – EVANSVILLE, INDIANA

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Evansville facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 3.0 kw, an antenna radiation center 152 meters above ground, and the vertical pattern of the Andrew antenna, maximum power density two meters above ground of  $0.00023 \text{ mw/cm}^2$  is calculated to occur 49 meters west of the base of the tower. Since this is less than 0.1 percent of the  $0.40 \text{ mw/cm}^2$  reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 36 (602-608 MHz), this proposal may be excluded from consideration with respect to public exposure to nonionizing electromagnetic radiation.

Further, the station owner will take whatever precautionary steps are necessary, such as reducing power or leaving the air temporarily, to ensure that workers operating in the vicinity of the antenna are not exposed to excessive nonionizing radiation.