

EXHIBIT A

ENGINEERING STATEMENT

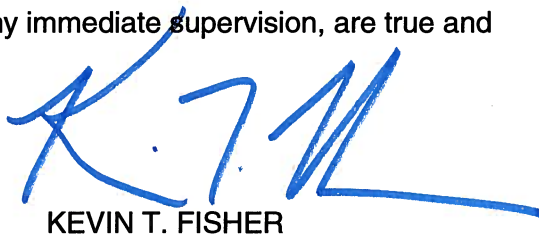
The engineering data contained herein have been prepared on behalf of SUNNYCREST BAPTIST CHURCH, licensee of Low Power Television Station WSOT-LP, Channel 25 in Marion, Indiana, in support of this application for modification of Construction Permit BDISDTL-20081230AFT, which authorizes digital operation on Channel 27 from a different site. The purpose of this modification is to specify an increase in effective radiated power from 7.0 kW to 10.0 kW and a different orientation of the authorized antenna. No change in site location or effective antenna height is proposed herein.

It is still intended to mount a standard Andrew (ERI) directional antenna at the 148-meter level of an existing 152-meter communications tower. Exhibit B is a map upon which the new predicted service contour is plotted. It is important to note that the newly proposed 51 dBu contour encompasses a significant portion of the Grade A contour which obtains from the licensed WSOT-LP facility. Operating parameters for the proposed facility are tabulated in Exhibit C. An interference study 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 1201925 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.

October 28, 2011


KEVIN T. FISHER

CONTOUR POPULATION
51 DBU : 240,810
99,500 HOUSEHOLDS

SMITHANDFISHER

51 DBU

WSOT-LD

Marion

Kokomo

Muncie

Anderson

EXHIBIT B

Scale 1:600,000

0 5 10 15 mi

EXHIBIT C

PROPOSED OPERATING PARAMETERS

**PROPOSED WSOT-LD
CHANNEL 27 – MARION, INDIANA
[MODIFICATION OF BDISDTL-20081230AFT]**

Transmitter Power Output:	1.3 kW
Transmission Line Efficiency:	55.4%
Antenna Power Gain – Main Lobe:	14.06
Effective Radiated Power – Main Lobe:	10.0 kW
Transmitter Make and Model:	Type-accepted
Rated Output	1.3 kW
Transmission Line Make and Model:	Andrew HJ7-50A
Size and Type:	1-5/8" air heliax
Length:	510 feet*
Antenna Make and Model:	ERI (Andrew) AL8
Orientation	285 degrees true
Beam Tilt	1.75 degrees
Effective Height Above Ground:	148 meters
Effective Height Above Mean Sea Level:	421 meters

*estimated

EXHIBIT D-1

LONGLEY-RICE INTERFERENCE STUDY
PROPOSED WSOT-LD
CHANNEL 27 – MARION, INDIANA
[MODIFICATION OF BDISDTL-20081230AFT]

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 1.0 kilometer increments along each radial studied, and employs the 2000 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 proposed WSOT-LD) 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 WSOT-LD 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.

EXHIBIT D-2

LONGLEY-RICE INTERFERENCE STUDY RESULTS

**PROPOSED WSOT-LD
CHANNEL 27 – MARION, INDIANA
[MODIFICATION OF BDISDTL-20081230AFT]**

WSOT_LDMAX_summary.txt
Summary Study

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
Census data selected 2000
Data Base Selected
./data_files/pt_tvdb.sff

WARNING WARNING WARNING

The following list of station records has been excluded from the analysis due to the fact that they have the same state, city and channel as the proposed station - This could cause the program to not find a potential fail situation

You can force the program to include these records by setting the state of the proposed record to ZZ and re-running the analysis

WSOT-LP 27 MARION IN BDISDTL 20081230AFT

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-12-2011 Time: 13:58:44

Record Selected for Analysis

WSOT-LP- USERRECORD-01 MARION IN US
Channel 27 ERP 10. kw HAAT 169. m RCAMSL 00421 m STRINGENT MASK
Latitude 040-39-18 Longitude 0085-37-23
Status APP Zone 1 Border Site number: 01
Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 285.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station
Service Class = LD
Maximum height/power limits not checked

Site number	1			
Azimuth	ERP	HAAT	51.0 dBu F(50,90)	
(Deg)	(kw)	(m)	(km)	
0.0	5.723	174.2	43.4	
45.0	4.083	172.3	41.5	
90.0	4.893	166.8	42.1	
135.0	4.597	163.0	41.5	
180.0	4.264	165.3	41.3	
225.0	6.872	168.4	44.0	
270.0	9.742	180.4	46.5	
315.0	9.082	164.4	45.1	

WSOT_LDMAX_summary.txt

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

NO LANDMOBILE SPACING VIOLATIONS FOUND

Checks to Site Number 01

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance
Distance to border = 251.7km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station	City/State	ARN
27	Call WSOT-LP-	MARION IN	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
25	WCWW-LP	SOUTH BEND IN	116.7	LIC	BLTTL	-20021010AAP
26	WCCU	URBANA IL	197.6	CP	BPCDT	-20080620AGB
26	WCCU	URBANA IL	197.6	LIC	BLCDD	-20050317ADS
26	W26DH-D	AUBURN IN	89.3	LIC	BLDTL	-20091005ABQ
26	NEW	FORT WAYNE IN	65.9	APP	BNPDTL	-20091026ADP
26	WMUN-LP	MUNCIE IN	61.6	APP	BDFCDTL	-20080818ABA
26	WMUN-LP	MUNCIE IN	61.6	LIC	BLTTL	-20011009AAF
26	W26BX-D	KALAMAZOO MI	165.5	LIC	BLDTL	-20091210ADC
26	WDFM-LP	DEFIANCE OH	115.3	LIC	BLTTL	-20031007AAN
26	WDFM-LP	DEFIANCE OH	115.3	STA	BSTA	-20020805ABE
26	WBDD	SPRINGFIELD OH	155.5	LIC	BLCDD	-20090619AAV
27	WCIU-TV	CHICAGO IL	216.3	CP MOD	BMPCDD	-20090105ACO
27	WCIU-TV	CHICAGO IL	216.3	LIC	BLCDD	-20060525ADR
27	NEW	LA SALLE IL	288.5	APP	BNPDTL	-20100721DRD
27	NEW	TOWANDA IL	273.2	APP	BNPDTL	-20100510AGR
27	WIPX-TV	BLOOMINGTON IN	145.9	LIC	BLCDD	-20040406AAH
27	W27DH-D	EVANSVILLE IN	328.4	CP MOD	BMPDTL	-20110228ABS
27	WJTS-LP	JASPER IN	277.5	LIC	BLTTA	-20001201ACI
27	WCWW-LD	SOUTH BEND IN	116.7	LIC	BLDTL	-20071003ABK
27	WFHD-LP	ANN ARBOR MI	238.9	LIC	BLTT	-20000925AAY
27	WOLP-CA	GRAND RAPIDS MI	256.2	LIC	BLTTL	-19980626JE
27	W27CN-D	LANSING MI	246.6	LIC	BLDTL	-20090630ABI
27	W27CN-D	LANSING MI	246.6	CP MOD	BMPDTL	-20090622ADQ
27	WUB-TV	ATHENS OH	331.2	LIC	BLEDD	-20030411ABC
27	WBGU-TV	BOWLING GREEN OH	153.8	LIC	BLEDD	-20090612AFQ
27	W27DL-D	CANTON OH	352.2	CP	BNPDTL	-20100216AEI

WSOT_LDMAX_summary.txt

27	W27DG-D	MILLERSBURG OH	348.9	LIC	BLDTT	-20101007ABN
28	WSJV	ELKHART IN	117.0	LIC	BLCDT	-20100115AAE
28	WPTO	OXFORD OH	193.5	LIC	BLEDT	-20040714AAQ
28	W28DH-D	TOLEDO OH	196.0	CP	BDCCDTL	-20061013AAQ
31	WKOG-LP	INDIANAPOLIS IN	108.7	LIC	BLTTA	-20050708AAW
34	WMYS-LP	SOUTH BEND IN	116.7	CP	BDISTTL	-20080728AAX

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Study of this proposal found the following interference problem(s):

NONE.

EXHIBIT E

POWER DENSITY CALCULATION

PROPOSED WSOT-LD
CHANNEL 27 – MARION, INDIANA
[MODIFICATION OF BDISDTL-20081230AFT]

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Marion facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 10.0 kW, an antenna radiation center 148 meters above ground, and the vertical pattern of the Andrew (ERI) antenna, maximum power density two meters above ground of 0.00091 mw/cm^2 is calculated to occur 59 meters west northwest of the base of the tower. Since this is only 0.2 percent of the 0.37 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 27 (548-554 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.