

(1) File= BPH20161012AAD (2) Call= WLXA (3) Channel= 252 (4) Class= C3  
(5) Service= FM (6) City= FLORENCE (7) State= AL  
(8) Country= US (9) N Lat 34-45-24 (10) W Long 87-40-44  
(11) herp= 25.0 (12) Max herp= (13) hhaat= 86.00 (18) h\_rcamsl= 248.0  
(14) verp= 25.0 (15) Max verp= (16) vhaat= 86.00 (19) v\_rcamsl= 248.0  
(17) Beam Tilt= N (26) h\_rcagl= 92.0 (27) v\_rcagl= 92.0  
(20) Section 73.215=N (21) Internat. Class= (22) Dir Ant= N  
(23) Make= (24) Model= (25) Rotate=

\*\* General Comments:

One Step Application

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\* This is a class C3 station. \*  
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WLXA BPH20161012AAD 252 C3 FM Polarization erp (kw) haat rcamsl rcagl
FLORENCE AL US hor pln bm tilt (meter) (meter) (meter)
34.4524 87.4044 (D.MMSS) NAD 27 Horizontal 25.0 86.00 248.0 92.0
34.4524 87.4044 (D.MMSS) NAD 83 Vertical 25.0 86.00 248.0 92.0
Application ID: 1726678
Facility ID: 53875
ASRN: 1299445

CDBS Site Elevation CDBS Overall Structure Height
156.00 m 106.00 m

ASRN not found in ASR. Using CDBS values for TOWAIR

TOWAIR Coordinates (NAD 83) TOWAIR Coordinates (NAD 27) TOWAIR Site Elevation TOWAIR Overall Structure Height
34:45:24N 087:40:44W 34:45:24N 087:40:44W 156.00 m 106.00 m

TOWAIR results: Structure requires ASR registration. The antenna structure is taller than 60.96 meters (200 feet)

DO NOT GRANT: Radiation Center Exceeds Overall Height!

The following contours are calculated using: Calculated haat from TOPO Data Base
erp= 25.000 (kW) 14.0 (dbk) haat= 86.0 (meters)

Table with columns: Interfering, Domestic, Azimuth, haat (meters), ERP(kw), Actual contours (km). Rows include co-channel, 1st adjacent, 2nd adjacent, 3rd adjacent, Protected, City Grade, and Service.

Note: Contours on the above radials were calculated using the max horiz or vert haat and the erp along the actual radial. Directional antenna patterns are used if available.

\*\*\*\*\*
\* This is a class C3 station. \*
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\* Line-of-Sight Study \*
\*

Determination of Major Terrain Obstructions Between FM Antenna and City Reference Coordinates
City Reference Coordinates: N 34-47-59 W 087-40-38 FM Site to City: 4.8 km; 1.8 degrees

There are NO MAJOR Obstructions Along any Azimuth to the Reference City.

Separation distances for Class A facilities are from the NEW Rules effective 10/02/89.

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Azimuth	lat	long	erp	(kw)	haat	d	I-con	P-con	inte	prot	int	
from to call sts file number city st c (D.MSSS) rel chn horz vert (m) a F5010 F5050 dist rsep rsep r c (km) (km) (km) (km) (km)												
15.7 195.7 W250BY LIC BLFT20140307ACN FLORENCE AL US 34.4750 87.3954 2nd 250D .250H .25V 60.40 1.6 12.7 4.7 44.0 17.2 S S												
231.5 51.2 W250CD LIC BLFT20160805AAN RED BAY AL US 34.2653 88.0852 2nd 250D .250H .25V 1.6 10.4 55.0 44.0 14.9												
130.9 311.1 WALWLP LIC BLL20170110AAK MOULTON AL US 34.2847 87.1730 2nd 250L1 .100H .100V 30.00 47.0 40. C												
86.4 266.8 WQXDLP LIC BLL20180806AAQ ATHENS AL US 34.4726 86.5858 2nd 250L1 .100H .100V 20.65 63.8 40.												
183.2 3.1 WTXT FA USE FAYETTE AL US 33.1917 87.4629 1st 251C1 H V 159.4 144.												
** General Comments: (NODATE) FMENGCMENTS: Coordinates updated from LIC record BLH900119KA												
176.2 356.3 WTXT LIC BXLH20051215ABM FAYETTE AL US 33.1030 87.3318 1st 251C1 .600H .600V 71.00 175.8 144.												
** Auxiliary Transmitter of Full-Service FM Station **												
183.2 3.1 WTXT LIC BLH20120823AAB FAYETTE AL US 33.1921 87.4626 1st 251C1 100.H 100.V 274.0 159.3 144.												
86.9 267.5 W251AC LIC BLFT20160311AAE CAPSHAW AL US 34.4753 86.3824 1st 251D .180H .18V 30.7 20.7 95.2 73.1 84.9												
341.8 161.3 WJLI FA USE METROPOLI IL US 36.4509 88.2958 co 252C1 H V 233.5 211.												
** General Comments: (NODATE) FMENGCMENTS: Transmitter Site Located in Zone 2 in Kentucky												
** Rules Comments: (NODATE) FMENGCMENTS: RSVD For WRIK Per One-Step Application												
341.8 161.3 WJLI LIC BLH20030609ADV METROPOLI IL US 36.4509 88.2958 co 252C1 100.H 100.V 213.0 233.5 211.												
99.8 280.7 NEW FA USE RM10835 SCOTTSBOR AL US 34.3040 86.0154 co 252C3 H V 153.5 153. C												
** General Comments: counterproposal in MB Doc. No. 03-77												
98.3 279.3 WKEAFM LIC BLH20070306ABV SCOTTSBOR AL US 34.3200 85.5520 co 252C3 11.0H 11.0V 150.0D 163.0 153.												
** General Comments: Section 73.215 applicant												
19.4 199.5 NEW FA USE RM11174 LORETTO TN US 35.0047 87.3406 co 252C3 H V 30.2 153. S												
35.1 215.2 WLXA LIC BLH20160616ABX LORETTO TN US 34.5755 87.3000 co 252C3 17.5H 17.5V 119.0 28.3 153. S												
** General Comments: Section 73.215 applicant												
27.6 208.1 W252CM LIC BLFT20140818ADX NASHVILLE TN US 36.0208 86.5055 co 252D .250H .25V 71.8 23.9 160.7 114.2 141.5												
116.9 297.3 WYZKLP LIC BLL20141128ACE HARTSELLE AL US 34.2634 86.5558 co 252L1 .033H .033V 51.18 76.8 78. S												
0.0 0.0 WLXA APP BPH20161012AAD FLORENCE AL US 34.4524 87.4044 co 252C3 25.0H 25.0V 86.00 0.0 153. S												
** General Comments: One Step Application												
1.8 181.8 WLXA FA RSV FLORENCE AL US 34.4759 87.4038 co 252C3 H V 4.8 153. S												
** General Comments: One Step Application												
150.2 330.7 W252BE APP BSTA20180718AAD TARRANT AL US 33.2902 86.4821 co 252D .065H .06V 305.0 56.9 17.5 162.5 99.3 135.1												
150.2 330.7 W252BE LIC BLFT20181016ABE TARRANT AL US 33.2902 86.4821 co 252D .250H .25V 212.0D 64.0 21.0 162.5 106.4 138.6												
244.6 63.8 WZLQ LIC BLH19960308KC TUPELO MS US 34.1005 89.0923 1st 253C1 100.H 100.V 299.0 150.6 144. C												
242.1 61.5 WZLQ FA USE TUPELO MS US 34.1809 88.4221 1st 253C1 H V 106.9 144. S												
** Rules Comments: (NODATE) FMENGCMENTS: Allotment downgraded from Class C to C1 on 931129 by ca												
** Rules Comments: ncellation of CP for												
** Rules Comments: BPH-870302ND												
107.3 287.7 WZDKLP LIC BLL20141229AEE DECATUR AL US 34.3434 86.5858 1st 253L1 .100H .100V 14.28 66.9 67. C												
182.8 2.8 W254AA LIC BLFT19920803TA COLBERT H AL US 34.3854 87.4107 2nd 254D .010H .01V 162.0 0.2 8.2 12.0 42.6 12.7 S S												
** General Comments: (NODATE) FMENGCMENTS: Translator For WKDF, Nashville, TN												
** General Comments: Change primary to WZPC(FM), Shelbyville, TN per notice 8/16/01.												

\*\*\* Warning \*\*\*  
The free-space equation was used to find one or more of the above contour distances.

AA	M	M	AA	M	M	AA	M	M	AA	M	M	AA	M	M
A A	MM	MM	A A	MM	MM	A A	MM	MM	A A	MM	MM	A A	MM	MM
A A	M MM	M	A A	M MM	M	A A	M MM	M	A A	M MM	M	A A	M MM	M
AAAAAA	M	M	AAAAAA	M	M	AAAAAA	M	M	AAAAAA	M	M	AAAAAA	M	M
A A	M	M	A A	M	M	A A	M	M	A A	M	M	A A	M	M

FM Reference Data:

WLXA           BPH20161012AAD 252 C3 FM FLORENCE                   AL US 34.4524 87.4044

Distance (Miles)	Distance (Km)	Call	Location	St	Ct	Power	Freq (khz)	Stat	Ant	Hrs	Coordinates	File No.	Azimuth From	Azimuth To
0.38	0.61	WLAY	MUSCLE SHOALS	AL	US	1.00000	1450	Lic	ND1	Day	34-45-23N 87-41-08W	BL20050307ADW	267.1	87.1
0.38	0.61	WLAY	MUSCLE SHOALS	AL	US	1.00000	1450	Lic	ND1	Nit	34-45-23N 87-41-08W	BL20050307ADW	267.1	87.1
0.41	0.66	WVNA	TUSCUMBIA	AL	US	5.00000	1590	Lic	DAN	Day	34-45-24N 87-41-10W	BL10486	270.0	90.0
0.41	0.66	WVNA	TUSCUMBIA	AL	US	1.00000	1590	Lic	DAN	Nit	34-45-24N 87-41-10W	BL10486	270.0	90.0
1.30	2.09	WBTG	SHEFFIELD	AL	US	1.00000	1290	Lic	ND1	Day	34-46-27N 87-40-14W	BL10493	21.4	201.4
1.30	2.09	WBTG	SHEFFIELD	AL	US	0.07900	1290	Lic	ND1	Nit	34-46-27N 87-40-14W	BL10493	21.4	201.4

There were 6 AM stations within 3.22 km of the FM reference coordinates.

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* 13:18:41 FM ANSI Radiation Study for: 20161012AAD 30-SEP-22
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* Site Location: N Lat 34-45-24 W Lon 087-40-44
*
* RCAMSL: 248.00 RCAGL: 92.00
*
* NOTE: 2 meters was subtracted from the RCAGL value to do the calculations.
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Call	Serv	Stat	Channel	ARN	City	St	HERP (kw)	VERP (kw)	Dist (m)	Height (m)	RF%	
											Occup	Public
W278CH	FX	LIC	278D	BLFT20170321AAZ	MUSCLE SHOALS	AL	0.250	0.250	39.97	102.0	0.14	0.70
WLXA	FM	Study	252C3	BPH20161012AAD	FLORENCE	AL	25.000	25.000	0.00	90.0	20.62	103.12
											=====	=====
											20.76	103.81

S E E E N G I N E E R - RF LEVEL 103.81% OF THE RECOMMENDED ANSI RF RADIATION LIMIT FOR GENERAL PUBLIC EXPOSURE !!!

CHECK FMSTUDY - IF AM WITHIN 0.3 KILOMETERS, S E E E N G I N E E R !  
 ### Designates record with insufficient engineering data to calculate RF contributions.  
 FM ANSI Study Completed.

\*\*\*\*\* FM Channel Study NO. 1 - Mass Media Bureau - Federal Communications Commission - 30-SEP-22 13:18:41 \*\*\*\*\*

FFFFFF	M	M	FFFFFF	M	M	FFFFFF	M	M	FFFFFF	M	M	FFFFFF	M	M	
F	MM	MM	F	MM	MM	F	MM	MM	F	MM	MM	F	MM	MM	
FFFFF	M	MM	M	FFFFF	M	MM	M	FFFFF	M	MM	M	FFFFF	M	MM	M
F	M	M	F	M	M	F	M	M	F	M	M	F	M	M	
F	M	M	F	M	M	F	M	M	F	M	M	F	M	M	

FM Reference Data:

WLXA BPH20161012AAD 252C3 FM FLORENCE AL US 34.4524 87.4044

Dist (km)	Azimuth From	Call To	Chan	Status	Location	St	Ct	Latitude	Longitude	Da	File Number	
0.00	0.0	0.0	WLXA	252C3	FM APP	FLORENCE	AL	US	34-45-24N	87-40-44W	No	BPH20161012AAD

\*\* General Comments: One Step Application

0.04	140.6	320.6	W278CH	278D	FX LIC	MUSCLE SHOALS	AL	US	34-45-23N	87-40-43W	Yes	BLFT20170321AAZ
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There were 2 FM locations within 0.1 km of the FM reference coordinates.

\*\*\* FM Study normal termination on 30-SEP-22 AT 13:18:42