

Engineering Programs

# FM Study - Results

BPH-20161012AAD/ Call Sign: WLXA

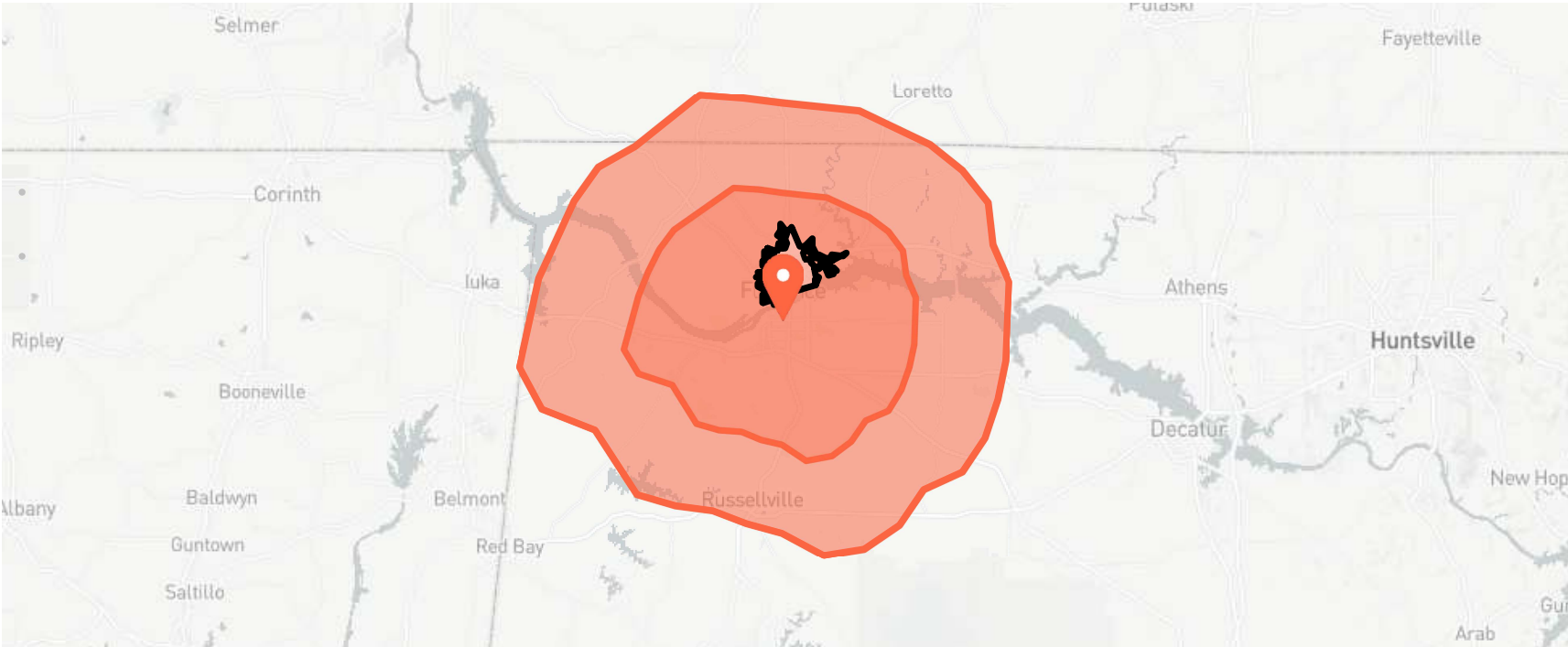
Legend

Application Station

Primary Station

Auxiliary Station

Nearby Station



## Station and Contour Data

View	File Number	Call Sign	Service Code	Channel	City	State	Latitude	Longitude	ERP (kw)	HAAT (m)	RCAMSL (m)	Field Strength (dBu)	Curve
<input checked="" type="checkbox"/>	Custom	WLXA	FM -	98.3/252	FLORENCE	AL	34° 45' 24.3"N	87° 40' 44.1" W	25.0	86.0	248.0	60	F(50,50)
<input checked="" type="checkbox"/>	Custom	WLXA	FM -	98.3/252	FLORENCE	AL	34° 45' 24.3"N	87° 40' 44.1" W	25.0	86.0	248.0	70	F(50,50)
<input checked="" type="checkbox"/>	BPH-20161012AAD	WLXA	FM - MOD	98.3/252	FLORENCE	AL	34° 45' 24.3"N	87° 40' 44.1" W	25.0	86.0	248.0	60	F(50,50)

## FM Study Results

▼ Subject Station  
Comments

Average distance to the 60 dBu protected contour is 36.58 km

▼ Short Spacing

File Number	App. Type	Call Sign	Channel	Class	Adjacency	Comm. of License	Actual Spacing (km)	Required Spacing (km)	215 Indicator	Action
N/A	FA - ALLOT	WZLQ	98.5/253	C1	FIRST	TUPELO, MS	106.9	144.0	No	<a href="#">Display Distance</a>
N/A	FA - ALLOT	WKSR	98.3/252	C3	CO-CHANNEL	LORETTO, TN	30.18	153.0	No	<a href="#">Display Distance</a>
BLH-20160616ABX	FM - AMD	WLXA	98.3/252	C3	CO-CHANNEL	LORETTO, TN	28.34	153.0	Yes	<a href="#">Display Distance</a>

▼ NEPA Results

Sum of Occupational: 20.76

Sum of Public: 103.81

RF (Radiofrequency) measured from the point 2 meters less than the study stations' RCAGL (Radiation Center Above Ground Level) value.

File Number	Call Sign	Service	HERP (kW)	VERP (kW)	Distance (m)	Height (m)	RF Occupational (%)	RF Public (%)	Status	Purpose
BLFT-20170321AAZ	W278CH	FX	0.25	0.25	39.0	102.0	0.14	0.7	Granted	Amendment of a License To Cover
BPH-20161012AAD	WLXA	FM	25.0	25.0	0.0	90.0	20.62	103.12	Saved	Minor Amendment of a Modification

▼ ASR Results

ASRNumber:	No ASR Data Found
Application Site Elevation:	156
Application Overall Height:	106
Latitude (NAD83):	34° 45' 24.3" N
Longitude (NAD83):	87° 40' 44.1" W

▼ AM Tower Results,  
Quiet Zones and  
Monitoring Stations

No Interference with FCC Quiet Zones and Stations.

Application 0000199692 (Facility ID 60611 ) is 0.612 km from WLAY, MUSCLE SHOALS, AL, 1450, C, AM STA AM Special Temporary Authority Authorized Non-directional. Condition #110 may be necessary. Application BL-20050307ADW (Facility ID 60611 ) is 0.612 km from WLAY, MUSCLE SHOALS, AL, 1450, C, AM L2C AM License Authorized Non-directional. Condition #110 may be necessary. Application BL-10486 (Facility ID 19457 ) is 0.662 km from WVNA, TUSCUMBIA, AL, 1590, B, AM L2C AM License Authorized Non-directional. Condition #110 may be necessary.

▼ Antenna Pattern  
Result Check

Maximum to minimum ratio:  
Maximum rate of change:  
Rates exceeding 2.0 db:

▼ Community of License

Area Covered: 100.0%  
Population Covered: 100.0%

Hide Community

Program Inputs

▼ Coordinates and Community

Frequency/Channel: 98.3MHz /Channel252  
Station Class: C3  
215 Indicator: No  
Latitude (NAD83): 34° 45' 24.3" N  
Longitude (NAD83): 87° 40' 44.1" W  
State: AL  
City: FLORENCE

▼ Non-Directional Antenna Data

Antenna Data

	Horizontal	Vertical
<u>ERP (Maximum Effective Radiated Power)</u>	25 kW	25 kW
<u>HAAT (Height of Radiation Center Above Average Terrain )</u>	86 m	86 m
<u>RCAMSL (Height of Radiation Center Above Mean Sea Level)</u>	248 m	248 m

▼ Included and  
Excluded Stations

File Number	Call Sign	Class	Relationship	Channel	City	State	Service	Distance (km)	Status	Latitude	Longitude
N/A	WKEA(FM)	C3	CO-CHANNEL	252	SCOTTSBORO	AL	FA	153.484	SUB	34°30'40.3"N	86°1'53.9"W
BLH-20070306ABV	WKEA-FM	C3	CO-CHANNEL	252	SCOTTSBORO	AL	FM	162.956	GRA	34°32'0.3"N	85°55'19.9"W
N/A	WKSR	C3	CO-CHANNEL	252	LORETTO	TN	FA	30.185	SUB	35°0'47.3"N	87°34'6.1"W
BLH-20160616ABX	WLXA	C3	CO-CHANNEL	252	LORETTO	TN	FM	28.341	GRA	34°57'55.3"N	87°30'0.1"W
BLH-19960308KC	WZLQ	C1	FIRST	253	TUPELO	MS	FM	150.646	GRA	34°10'5.3"N	89°9'23.2"W
N/A	WZLQ	C1	FIRST	253	TUPELO	MS	FA	106.901	GRA	34°18'9.4"N	88°42'21.2"W