

## W254AY FMOverlap Study

REFERENCE	CH# 254D - 98.7 MHz, Pwr= 0.25 kW DA, HAAT= 169.6 M, COR= 366 M	DISPLAY DATES
32 40 03.0 N.	Average Protected F(50-50)= 16.8 km	DATA 07-17-17
85 33 01.0 W.	Standard Directional	SEARCH 07-17-17

CH CITY	CALL	TYPE ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*OUT* (Overlap in km)
254D Auburn	W254AY	LIC DC AL	150.4 330.4	11.2 BLFT20101020ACB	32 34 46.0 85 29 27.0	0.250 44	23.8 215	7.1 Auburn Network, Inc.	-45.2
254D Auburn	W254AY	CP DC AL	124.0 304.1	20.4 BPFT20160127ADO	32 33 54.0 85 22 13.0	0.150	43.3 332	12.8 Auburn Network, Inc.	-42.4
Of no concern: License and CP of the instant facility									
255C1 Montgomery	WBAM-FM	LIC CX AL	218.2 37.9	97.8 BLH20020625AAN	31 58 28.0 86 11 31.0	100.000 299	104.5 426	71.9 Bluewater Broadcasting Com	10.8
254C1 Warrior	WBHK	LIC NCX AL	308.1 127.5	148.2 BLH20030122AAG	33 29 04.0 86 48 25.0	39.000 408	162.1 601	69.9 Sm-wbhk, Llc	69.3
254C1 Warrior	AL4374	RSV-A N AL	315.9 135.2	167.2 RM8525	33 44 30.0 86 48 30.0	100.000 299	167.6 462	68.5	89.0
257C2 Fort Benning South	WKCEN	LIC NCX GA	115.6 295.9	51.5 BLH20110411ABS	32 27 59.0 85 03 22.0	29.000 167	5.2 277	47.7 Pmb Broadcasting, Llc	2.7

Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM  
 Contour distances are on direct line to and from reference station. Reference Zone= , Co to 3rd adjacent.  
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
 "\*"affixed to 'IN' or 'OUT' values = site inside protected contour.

**W254AY Proposed**

Latitude: 32-40-03 N  
Longitude: 085-33-01 W  
ERP: 0.25 kW  
Channel: 254  
Frequency: 987 MHz  
AMSL Height: 366.0 m  
Elevation: 223.0 m  
Horiz. Pattern: Directional  
Vert. Pattern: No

**WBAM-F**

BLH20020625AAN  
Latitude: 31-58-28 N  
Longitude: 086-11-31 W  
ERP: 100.00 kW  
Channel: 255  
Frequency: 98.9 MHz  
AMSL Height: 425.8 m  
Elevation: 118.9 m  
Horiz. Pattern: Omni  
Vert. Pattern: No

**WKC�**

BLH20110411ABS  
Latitude: 32-27-59 N  
Longitude: 085-03-22 W  
ERP: 29.00 kW  
Channel: 257  
Frequency: 99.3 MHz  
AMSL Height: 276.9 m  
Elevation: 190.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No

**W254AY, WBAM-FM and WKC�  
Protected and Interfering Contours**

F(50,10) 54 dBu

F(50,10) 100 dBu

W254AY Proposed

F(50,50) 60 dBu

WKC�

F(50,50) 60 dBu

WBAM-F



Scale 1:600,000

0 8 16 24 km

**W254AY Proposed**

Latitude: 32-40-03 N  
Longitude: 085-33-01 W  
ERP: 0.25 kW  
Channel: 254  
Frequency: 98.7 MHz  
AMSL Height: 366.0 m  
Elevation: 223.0 m  
Horiz. Pattern: Directional  
Vert. Pattern: No

**WGZZ**

BLH20100511ACX  
Latitude: 32-44-10.50 N  
Longitude: 085-29-54.20 W  
ERP: 4.20 kW  
Channel: 232  
Frequency: 94.3 MHz  
AMSL Height: 338.6 m  
Elevation: 234.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No

**W254AY and WGZZ  
F(50,50) 60 dBu Contours**

F(50,50) 60 dBu

WGZZ

W254AY Proposed

F(50,50) 60 dBu



Scale 1:350,000

0 4 8 12 km