

Channel Study

REFERENCE		CH# 230C3- 93.9 MHz, Pwr= 25 kW, HAAT= 100.0 M, COR= 218 M								DISPLAY DATES	
32 14 06.0 N.		Average Protected F(50-50)= 39.1 km								DATA 03-29-16	
89 53 46.0 W.		73.215 Omni-directional								SEARCH 03-30-16	
CH CITY	CALL	TYPE STATE	ANT	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
230C3 Pearl	WJAI!	LIC NC MS		0.0 0.0	0.00 BMLED20111129DHW	32 14 06.0 89 53 46.0	25.000 100	115.3 218	40.5 Educational Media Foundati	-155.8 -155.8	
230C3 Pearl	WJAI!	LIC NCX MS		0.0 0.0	0.00 BLED20160311AAJ	32 14 06.0 89 53 46.0	14.500 135	108.8 252	40.5 Educational Media Foundati	-149.3 -155.8	
228A Clinton	WHJT<	LIC CN MS		285.7 105.5	42.39 BMLH19951208KA	32 20 15.0 90 19 47.0	6.000 100	2.7 193	27.8 Mississippi College	41.5R 0.9M	
230C3 Greenwood	WGRM-FM	LIC NCN MS		349.1 169.0	146.73 BLH19970822KC	33 32 02.0 90 11 42.0	12.000 90	96.2 128	31.2 Christian Broadcasting Of	10.7 1.0	
228C3 Kearney Park	WHJT<	CP NCX MS		301.8 121.6	44.87 BPH20150618AAS	32 26 49.0 90 18 08.0	13.500 100	3.2 185	32.1 Mississippi College	42.5R 2.4M	
232D Jackson	W232DD!	CP DV MS		267.1 86.8	45.82 BMPFT20160129ARL	32 12 47.4 90 22 53.7	0.250 335	0.9 American Family Associatio	18.0 3.7	23.5	
283L1 Brandon	WPBP-LP<	LIC MS		282.3 102.2	19.65 BLL20120203ABM	32 16 21.0 90 06 00.0	0.020 66	164	8.5R City Of Pearl	11.2M	
230C3 Delhi	KGGM<	LIC CX LA		279.3 98.3	167.19 BLH20141118APK	32 27 52.4 91 39 05.7	12.000 144	105.2 164	39.0 Kenneth W. Diebel	152.5R 14.7M	
231L1 Yazoo City	WYAD-LP<	LIC MS		324.9 144.7	82.72 BLL20141113AAK	32 50 37.0 90 24 19.0	0.056 40	103	66.5R Bountiful Blessings Broadc	16.2M	
231C1 Kentwood	WEMX<	LIC CN LA		212.9 32.3	180.92 BLH19930616KA	30 51 44.0 90 55 34.0	100.000 299	105.0 361	72.3 Radio License Holding Cbc,	143.5R 37.4M	
231C0 Carrollton	WZBQ<	LIC C AL		56.5 237.5	200.90 BLH20040726ADJ	33 13 07.0 88 05 47.0	100.000 307	107.2 385	73.9 Capstar Tx, Llc	162.5R 38.4M	
232C2 Sandersville	WKZW<	CP CX MS		141.9 322.3	100.02 BPH20131118BCM	31 31 29.0 89 14 40.0	50.000 150	6.0 221	52.7 Blakeney Communications, I	55.5R 44.5M	
229C Biloxi	WMJY<	LIC ZEX MS		149.7 330.3	224.15 BLH20020226ABP	30 29 09.0 88 42 53.0	100.000 300	104.4 308	71.8 Cc Licenses, Llc	175.5R 48.7M	
232C2 Sandersville	WKZW<	LIC ZCN MS		141.5 321.9	113.92 BLH20000719AAM	31 25 50.0 89 08 51.0	50.000 150	5.8 219	51.3 Blakeney Communications, I	55.5R 58.4M	

Terrain database is FCC 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= - Zone 2, Co to 3rd adjacent.
All separation margins (if shown) include rounding. Call signs with exclamation marks need not be protected.
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 restricted contour.
< = Station meets FCC minimum distance spacing for its class.
< = Contour Overlap

- WJAI Main (230)
- WJAI Aux (230)

Exhibit 18A

Main and Aux Service Contours

WJAI Main
BPH20151120AUD
Latitude: 32-14-06 N
Longitude: 089-53-46 W
ERP: 14.50 kW
Channel: 230
Frequency: 93.9 MHz
AMSL Height: 252.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

WJAI Aux
BMLED20111129DHW
Latitude: 32-14-06 N
Longitude: 089-53-46 W
ERP: 25.00 kW
Channel: 230
Frequency: 93.9 MHz
AMSL Height: 218.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

