

**MINOR CHANGE APPLICATION**  
**CUMULUS LICENSING, LLC**  
**WXQW AM RADIO STATION**  
**660 kHz - .019/10.0 kW - NDU**  
**FAIRHOPE, ALABAMA**  
**December 2016**

**EXHIBIT #2A**

**AM Broadcast Allocation Study**

NORTH LATITUDE      30° 35' 50"      WEST LONGITUDE      87° 52' 58"

FACTORS AFFECTING 660 kHz

\*\*\* 630 kHz (-3) \*\*\*  
143.1 km WJDB L 31-52-58 N 087-44-42 W 1.0 kW ND2 - 286.5 mV/m@1km  
88.9 mi Azi: 5.3 Class: D Sched: U File #: BL  
Location: THOMASVILLE, AL, US

\*\*\* 640 kHz (-2) \*\*\*  
303.2 km KTIB L 29-51-05 N 090-54-48 W 5.0 kW DA2 - 650.5 mV/m@1km  
188.4 mi Azi: 253.4 Class: B Sched: U File #: BL19860401AB  
Location: THIBODAUX, LA, US

\*\*\* 650 kHz (-1) \*\*\*  
607.4 km WSM L 35-59-50 N 086-47-32 W 50.0 kW ND1 - 395.9 mV/m@1km  
377.4 mi Azi: 9.9 Class: A Sched: U File #: BL8315  
Location: NASHVILLE, TN, US

\*\*\* 660 kHz (CO) \*\*\*  
666.8 km WORL L 28-41-35 N 081-20-57 W 3.5 kW DA2 - 564.7 mV/m@1km  
414.3 mi Azi: 110.0 Class: B Sched: U File #: BL20140416ABR  
Location: ALTAMONTE SPRINGS, FL, US  
1115.4 km CMDC 22-43-00 N 080-54-00 W 30.0 kW ND1 - 315.2 mV/m@1km  
693.1 mi Azi: 143.0 Class: A Sched: U File #:  
Location: COLON, , CU  
1359.8 km XEAR 22-11-43 N 097-50-07 W 5.0 kW ND1 - 280.0 mV/m@1km  
845.0 mi Azi: 224.7 Class: B Sched: U File #:  
Location: TAMPICO, TA, MX  
1705.6 km WFAN L 40-51-35 N 073-47-09 W 50.0 kW ND1 - 379.8 mV/m@1km  
1059.8 mi Azi: 52.6 Class: A Sched: U File #: BL19790802AA  
Location: NEW YORK, NY, US

\*\*\* 670 kHz (+1) \*\*\*  
216.5 km WYLS L 32-31-24 N 088-15-28 W 4.8 kW NDD - 288.1 mV/m@1km  
134.5 mi Azi: 350.4 Class: D Sched: D File #: BL19871214AC  
Location: YORK, AL, US

\*\*\* 680 kHz (+2) \*\*\*  
505.3 km WCNN L 33-57-42 N 084-15-48 W 50.0 kW DA2 - 2162.5 mV/m@1km  
314.0 mi Azi: 43.4 Class: B Sched: U File #: BL19851031AJ  
Location: NORTH ATLANTA, GA, US

\*\*\* 690 kHz (+3) \*\*\*  
211.7 km WQNO L 29-57-53 N 089-57-31 W 10.0 kW DA2 - 941.5 mV/m@1km  
131.5 mi Azi: 250.1 Class: B Sched: U File #: BL  
Location: NEW ORLEANS, LA, US