

TELECOMMUNICATIONS ENGINEERING  
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13 October 2022  
Prepared for Tulane Education Fund  
WTUL, New Orleans, Louisiana

## ALLOCATION CONSIDERATIONS

On 13 October 2022, a computerized allocation analysis was performed on the facilities proposed herein using data from the Commission's CDBS and LMS, current as of 13 October 2022. The software to perform this analysis was provided by V-Soft Communications. A copy of this study is attached.

This analysis revealed one assignment requiring further study. This is the second-channel adjacent Class C1 facilities of WNKV, as permitted in LMS 0000162806.

The proposed 100 dBu interfering contour is entirely encompassed by the WNKV 60 dBu protected contour. WNKV enjoys a Raleigh Waiver allowing it to accept second-channel adjacent interference from the licensed facilities of WTUL. The WNKV Construction Permit states:

*Further modifications of Station WTUL, Facility ID No. 68321, New Orleans, LA will not be construed as a "per se" modification of WNKV's facility. (See Educational Information Corporation, 6 FCC Rcd 2207 (1991)).*

Except as noted, the applicant believes that the facilities proposed herein meet all of the Commission's rules of allocation.

Gray Frierson Haertig & Assoc. Portland, Oregon											
Tulane Educational Fund New Orleans, Louisiana											
CH# 218A - 91.5 MHz, Pwr= .95 kw DA, HAAT= 120.8 M, COR= 121 M											
Average Protected F(50-50)= 20.21 km											
Standard Directional											
REFERENCE 29 57 25.70 N. 90 04 31.20 W.											
DISPLAY DATES DATA 10-13-22 SEARCH 10-13-22											
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*
218A	WTUL	STA _CN		243.6	4.65	29 56 18.70	1,500		---Reference---		
	New Orleans	LA		63.6	0000194553	90 07 07.20	49	49	Tulane Educational Fund		
218A	WTUL	LIC _CN		243.6	4.65	29 56 18.70	1,500		---Reference---		
	New Orleans	LA		63.6	BLED1576	90 07 07.20	49	49	Tulane Educational Fund		
216C1	WNKV	CP DCN		243.9	37.18	29 48 34.50	60.000	4.1	38.9 12.9		-3.4*
	Norco			63.7	0000162806	90 25 17.30	64	64	Educational Media Foundati		
217C3	WNLS	LIC DEN		17.4	67.47	30 32 09.70	15.500	55.2	36.0 0.2		14.1
	Slide11	LA		197.5	BLED20131023AKD	89 51 52.30	102	118	Providence Educational Fou		
218A	KNSU	LIC _VN		255.5	72.43	29 47 29.70	0.250	29.3	8.8 22.9		0.4
	Thibodaux	LA		75.1	BMLD19970922KA	90 48 07.30	45	46	Nicholls State University		
220C2	KMRL	LIC NCN		151.5	49.85	29 33 45.80	11.500	4.8	47.2 24.9		1.0
	Buras	LA		331.6	BLED20111110AKD	89 49 46.20	240	240	American Family Associatio		
219C1	WA0Y	LIC ZCN		48.4	126.50	30 42 29.70	78.000	106.6	72.9 2.9		30.9
	Gulfport	MS		228.9	BLED19971029KA	89 05 06.20	332	374	American Family Associatio		
216A	WNKV	LIC _VN		243.9	37.17	29 48 34.80	4.700	2.3	22.7 14.7		12.8
	Norco	LA		63.7	BLED20070820AGM	90 25 17.30	70	70	Educational Media Foundati		
218C3	WPEF	LIC DCN		344.5	124.30	31 02 02.60	7.300	83.7	26.7 22.5		46.2
	Kentwood	LA		164.3	BLED20160128AYL	90 25 27.30	89	179	Providence Educational Fou		
218C3	KPAE	LIC _CN		296.9	143.82	30 32 09.60	10.000	86.6	24.0 37.0		56.2
	Erwinville	LA		116.2	BLED20070330AZL	91 24 52.30	50	56	Port Allen Educational Bro		
215A	KSLU	LIC _CN		328.9	72.50	30 30 53.60	3.000	1.8	17.9 50.8		53.0
	Hammond	LA		148.7	BLED19850610KA	90 27 59.30	43	56	Southeastern Louisiana Uni		
215A	KSLU	STA _CN		328.9	72.50	30 30 53.60	3.000	1.8	17.9 50.8		53.0
	Hammond	LA		148.7	0000190921	90 27 59.30	43	56	Southeastern Louisiana Uni		

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
 In & out distances between contours are shown at closest points. Reference zone= - Zone 2, Co to 3rd adjacent.  
 All separation margins (if shown) include rounding.  
 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.