

# Further Amendment (February 20, 2017)

## KKML (FM) FID# 173,617 Family Life Educational Foundation Minden, Louisiana

Family Life Educational Foundation (FLEF) operates non-commercial KKML (FM), Minden, Louisiana. It has filed for a slightly changed facility. The FCC staff has asked for additional information. KKML received points in it's original grant because of amounts of second non-commercial FM service area. This further amendment verifies that the proposed changes are still eligible for the 2<sup>nd</sup> service points.

KKML has applied (BPED-20160824ABL) for permission to use a higher antenna at reduced power, from same site to cover very similar areas and populations. The requested change in facility will move KKML (FM) from 280 watts at 88.2 meters above average terrain to 210 watts at 104.3 meters above average terrain. The same site and directional antenna pattern is proposed. Grant of this application will help restore KKML operation to full power and allow it to get off of Special Temporary Authority.

The proposed coverage area slightly exceeds that of the licensed operation. The changed signal covers 102% of the licensed space. Coverage very nearly coincides South, West and North. It is slightly larger across the North East arc, which takes in some of the city of license of Minden, La. It is also slightly larger to the East and South East.

Service to the KKML (FM) area was (and will continue to be) provided in part by KDAQ Shreveport, LA and by KGRM Grambling, LA. KKML (FM) was (and will remain) a third service in part of the KDAQ/KGRM overlap area and a second service to the area immediately east of and west of the KDAQ/KGRM overlap area.

KDAQ bore license number BLED-19850118KS at the time of KKML's 2007 filing. KDAQ updated it's coordinates without a facility change for a database update of 130 meters and now bears license document BLED-20090805AAQ. KGRM's license document is numbered BLED-19901005KA and is the same as when KKML filed in 2007.

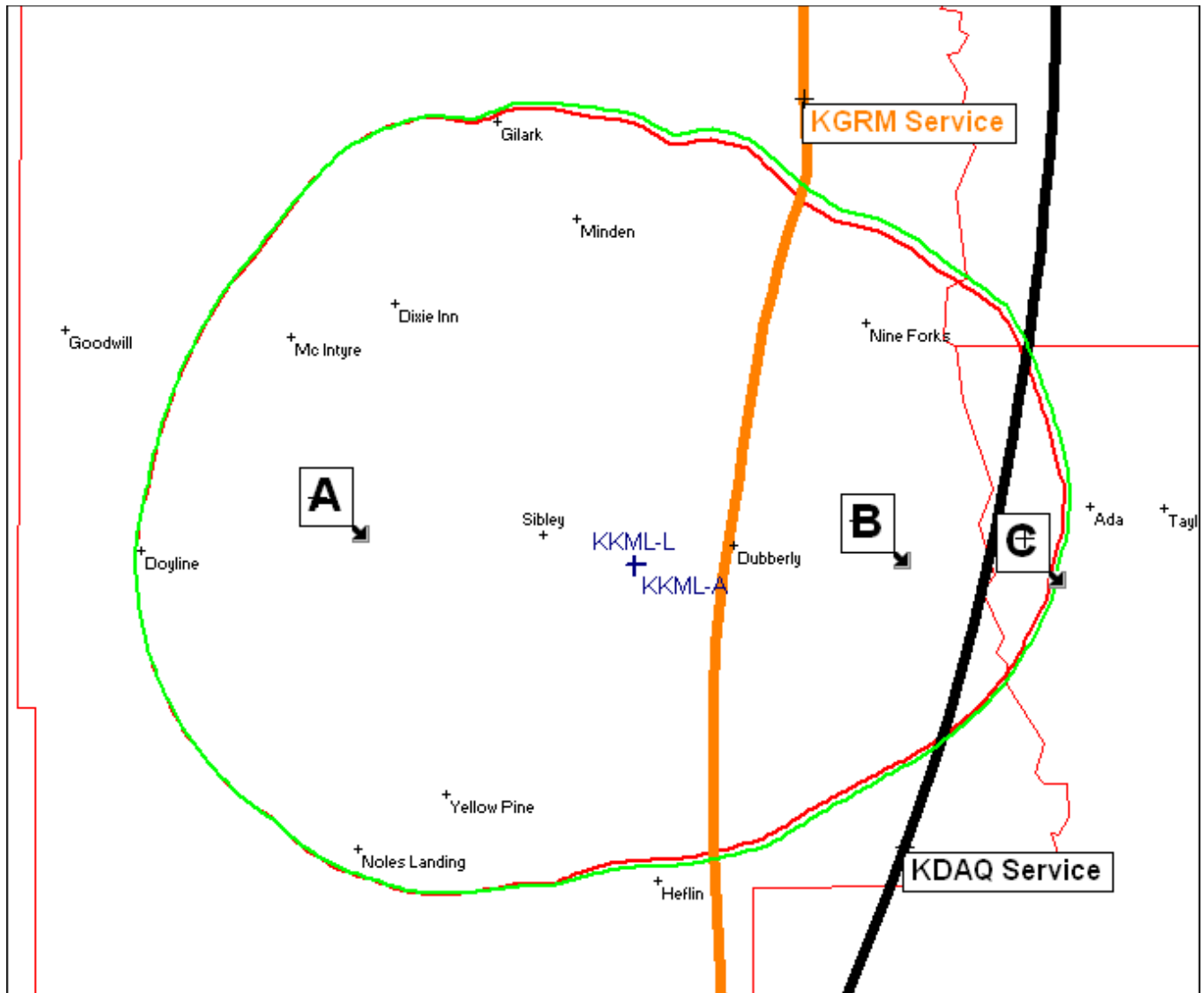
The earlier exhibits have been revisited. The licensed and proposed KKML coverages were divided into zones "A", "B" and "C". Areas and populations were computed using the "Population Counter" Utility in RadioSoft Comstudy. All three areas show slight expansion over the licensed numbers. Portions (3.61 square km) of Crane Lake inside the 60 dbu have been removed from each set of numbers. Their affect on each area is virtually identical.

The original filing was calculated using a different software program. Predicted pops covered (19,388 in original filing vs. 19,251 here) was slightly larger and percentage of second service (92.8% vs. 92.97% was slightly lower. Numbers from that filing are highlighted in Yellow.

Population and Area Comparisons for KKML (FM) License & for Further Amendment				
Call Sign	Area in (km)	Census 2000 Pop		
KDAQ	16,072.18	520,523.00		
KGRM	8,476.65	132,470.00		
KKML (License)	395.47	20,706.00		
KKML (App)	403.84	21,138.00		
	Coverage + KKML	Area added by KKML (km)	Combined Pop	Pop added by KKML
KDAQ+KKML (L)	16,084.44	12.26	520,584	51
KDAQ+KKML (A)	18,086.36	14.18	520,656	133
KGRM+KKML (L)	8,761.70	285.05	151,674	19,204
KGRM+KKML(A)	8,764.71	287.86	151,959	19,489
	Area A	Area B	Area C	A + B + C =
KKML (L)	285.05	98.16	12.26	395.47
KKML (A)	287.86 (+1%)	101.8 (+4%)	14.18 (+16%)	403.84 (+2%)
	First Service Pop	2 <sup>nd</sup> Service Pop (A + C)	2 <sup>nd</sup> % of Pop	Greater than 10% or 2,000
KKML Original 20,892	0 = 0.00%	19,388	92.80%	Yes/Tes
KKML (L) in ComStudy 2.2 20,706	0 = 0.00%	19,251	92.97%	Yes/Yes
KKML (A) in ComStudy 2.2 20,706	0 = 0.00%	19,622	94.71%	Yes/Yes

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KKML (FM) coverage (license in red, proposed changes in green) showing the proposed 60dbu (green contour) is the same or slightly larger than that of the licensed red contour. There is a less than 0.25% shrinkage around the pattern (about 1 square kilometer across western half or Zone "A") in addition to the slight increase (Zone "C") in area and population to the east. This expansion is of no consequence as the station's expansion in Zone "B" is third service (forth counting recent KLHV)

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This further amendment and the maps and numbers presented were prepared by me for the applicant. They are based on information found in the CDBS online database system.

The calculations were made using various software programs per their instructions. The information presented is true and accurate to the best of my knowledge.

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