

Comprehensive Technical Exhibit

Application for License to Cover Construction Permit BPED-20160824ABL & Request for Program Test Authority

KKML (FM) Minden, LA Facility ID # 173617

Family Life Educational Foundation (FLEF) licensee of KKML (FM) Minden, LA holds CP BPED-20160824ABL. This authorizes a higher antenna and reduced power using the same antenna on an identical higher section of the same tower. FLEF has built the facilities (but four meters lower as allowed by the rules) in the CP.

The CP has nine conditions. 1-4 cover the antenna and installation. 5 requires a showing that city grade coverage is as good or better as authorized originally. 6 extends the studio waiver allowing KKML to operate as a satellite of KFLO-FM. 7 & 8 are holding period requirements. 9 is the RFR requirement.

#1 requires that the directional antenna come with a factory provided proof, showing conditions needed to produce the pattern. The existing S.W.R. one bay antenna has been moved up the existing tower to a place with identical cross section. The Proof is "KKML DA Proof 01252013".

#2 requires certification from a surveyor that the antenna was mounted according to the manufacturers drawings and notes. It is included as "Surveyor Affidavit for BPED-20160824ABL"

#3 relates to the qualifications of the engineer overseeing the installation, Mr. Tommy Moore, a member of the FLEF board and experienced broadcast engineer. That is exhibit "Engineer Affidavit for BPED-20160824ABL".

#4 requires the pattern minimums to be less than 0.041kilowatts. The S.W.R. Report shows as built values of 0.388 field for 31.6 watts at the 170 degree bearing and 0.435 field for 39.7 watts on the 180 degree bearing.

#5 Even with the four meter reduction in height, the arc of city grade coverage across Minden, LA expanded slightly (less than 1 km of distance to contour).

#6 KKML operates as a satellite of co-owned KFLO-FM Blanchard, Louisiana per the representations made for BLED-20130227AHV (Granted March 8, 2013).

#7 KKML was authorized based on service to new area. FLEF acknowledges that it cannot downgrade service for a four year period.

#8 FLEF acknowledges that any assignment of license during the holding period would have to be to an assignee that qualifies for equal or more points under the FCC preference system, and that any assignment consideration not exceed legitimate and prudent expenses.

#9 FLEF will (with other site users) reduce power/cease operation to protect persons

having access to the site.

This exhibit was generated at the request of Family Life Educational Foundation, licensee of KKML (FM). It is accurate to the best of my knowledge. In case of questions, please contact

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Special operating conditions or restrictions:

1 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee shall submit the results of a complete proof-of-performance to establish the horizontal plane radiation patterns for both the horizontally and vertically polarized radiation components. This proof-of-performance may be accomplished using the complete full size antenna, or individual bays therefrom, mounted on a supporting structure of identical dimensions and configuration as the proposed structure, including all braces, ladders, conduits, coaxial lines, and other appurtenances; or using a carefully manufactured scale model of the entire antenna, or individual bays therefrom, mounted on an equally scaled model of the proposed supporting structure, including all appurtenances.

Engineering exhibits should include a description of the antenna testing facilities and equipment employed, including appropriate photographs or sketches and a description of the testing procedures, including scale factor, measurements frequency, and equipment calibration.

2 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee must submit a certification executed by a licensed surveyor showing that the FM directional antenna system has been oriented at the azimuth(s) specified in the directional antenna proof of performance. This certification must include a description of the method used by the surveyor to determine the azimuth(s) of the installed directional antenna system and the accuracy of that determination.

3 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee/licensee shall submit an affidavit that the installation of the directional antenna system was overseen by a qualified engineer. This affidavit shall include a certification by the engineer that the antenna was installed pursuant to the manufacturer's instructions and list the qualification of the certifying engineer.

4 The relative field strength of neither the measured horizontally nor vertically polarized radiation component shall exceed at any azimuth the value indicated on the composite radiation pattern authorized by this construction permit. A relative field strength of 1.0 on the composite radiation pattern herein authorized corresponds to the following effective radiated power: 0.210 kilowatt. Principal minima and their associated field strength limits: 170 degrees True - 180 degrees True: 0.041 kilowatt.

5 BEFORE PROGRAM TESTS ARE AUTHORIZED, the permittee must submit an exhibit demonstrating that the measured directional antenna pattern complies with the appropriate community coverage provisions of 47 CFR Sections 73.315 or 73.515 (See 47 CFR Section 73.316(c)(2)(ix)(B)).

6 Waiver of 47 CFR Section 73.1125 was previously granted to allow operation of this facility as a satellite operation of the following station: KFLO-FM, Facility ID No. 84100, Blanchard, Louisiana, Family Life Educational Foundation.

7 Pursuant to 47 CFR Sections 73.7002(c) and 73.7005(b), the permittee/licensee is required to construct and operate for a period of four years of on-air operations technical facilities substantially as proposed and shall not downgrade service to the area on which the preference was based.

8 Pursuant to 47 CFR Section 73.7005(a), the permittee/licensee shall be subject to a holding period. From the grant of the construction permit and continuing until the facility has achieved four years of on-air operations, the permittee/licensee proposing to assign or transfer the construction permit/license to another party will be required to demonstrate the following two factors: that the proposed buyer would qualify for at least the same number of points as the assignor or transferor originally received; and that consideration received and/or promised does not exceed the assignor's or transferor's legitimate and prudent expenses as defined therein.

9 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radio frequency electromagnetic fields in excess of FCC guidelines.

*** END OF AUTHORIZATION ***

Condition Text & Each Item's Handling in this application

1 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee shall submit the results of a complete proof-of-performance to establish the horizontal plane radiation patterns for both the horizontally and vertically polarized radiation components. This proof-of-performance may be accomplished using the complete full size antenna, or individual bays therefrom, mounted on a supporting structure of identical dimensions and configuration as the proposed structure, including all braces, ladders, conduits, coaxial lines, and other appurtenances; or using a carefully manufactured scale model of the entire antenna, or individual bays therefrom, mounted on an equally scaled model of the proposed supporting structure, including all appurtenances.

Engineering exhibits should include a description of the antenna testing facilities and equipment employed, including appropriate photographs or sketches and a description of the testing procedures, including scale factor, measurements frequency, and equipment calibration.

Please see "KKML DA Proof 02092018" separately attached to the Form 302-FM

2 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee must submit a certification executed by a licensed surveyor showing that the FM directional antenna system has been oriented at the azimuth(s) specified in the directional antenna proof of performance. This certification must include a description of the method used by the surveyor to determine the azimuth(s) of the installed directional antenna system and the accuracy of that determination.

Please see "Surveyor Affidavit for BPED-20160824ABL" separately attached to the Form 302-FM

3 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee/licensee shall submit an affidavit that the installation of the directional antenna system was overseen by a qualified engineer. This affidavit shall include a certification by the engineer that the antenna was installed pursuant to the manufacturer's instructions and list the qualification of the certifying engineer.

Please see "Engineer Affidavit for BPED-20160824ABL" separately attached to the Form 302-FM

4 The relative field strength of neither the measured horizontally nor vertically polarized radiation component shall exceed at any azimuth the value indicated on the composite radiation pattern authorized by this construction permit. A relative field strength of 1.0 on the composite radiation pattern herein authorized corresponds to the following effective radiated power: 0.210 kilowatt. Principal minima and their associated field strength limits: 170 degrees True - 180 degrees True: 0.041 kilowatt.

170 degrees as built delivers 0.388 field for 31.6 watts (from S.W.R. Proof-of-performance)

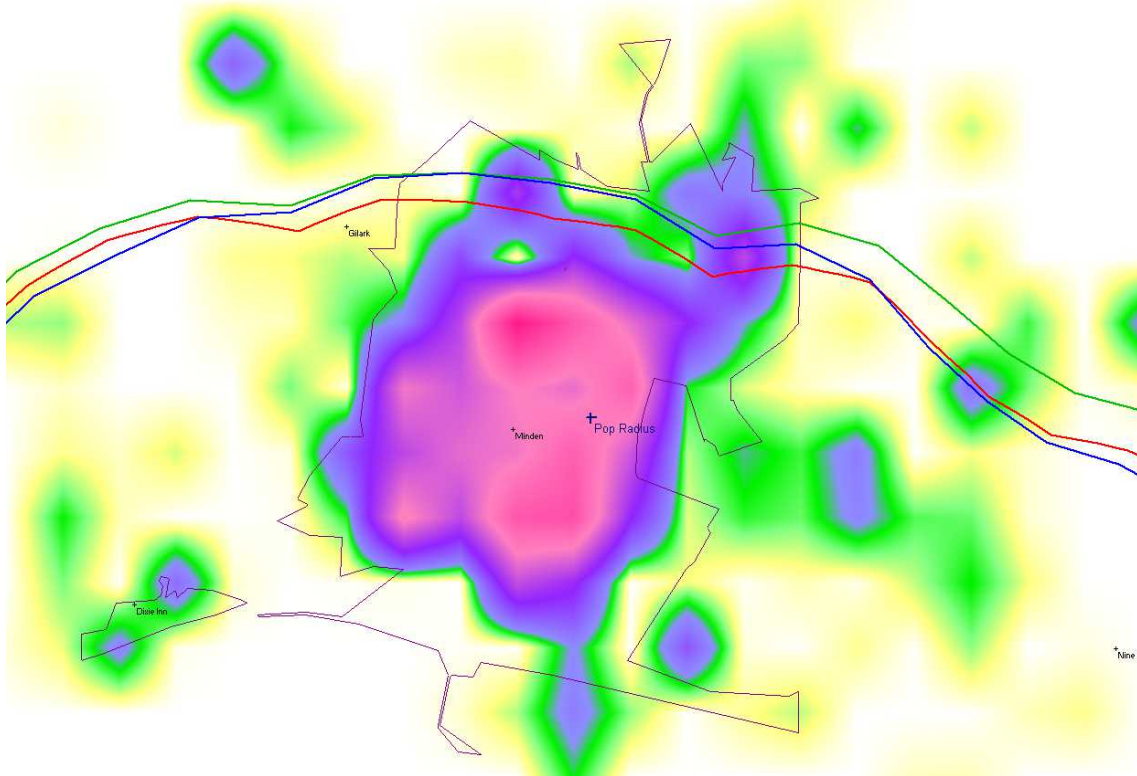
180 degrees as built delivers 0.435 field for 39.7 watts (from S.W.R. Proof-of-performance)

5 BEFORE PROGRAM TESTS ARE AUTHORIZED, the permittee must submit an exhibit demonstrating that the measured directional antenna pattern complies with the appropriate community coverage provisions of 47 CFR Sections 73.315 or 73.515 (See 47 CFR Section 73.316(c)(2)(ix)(B)).

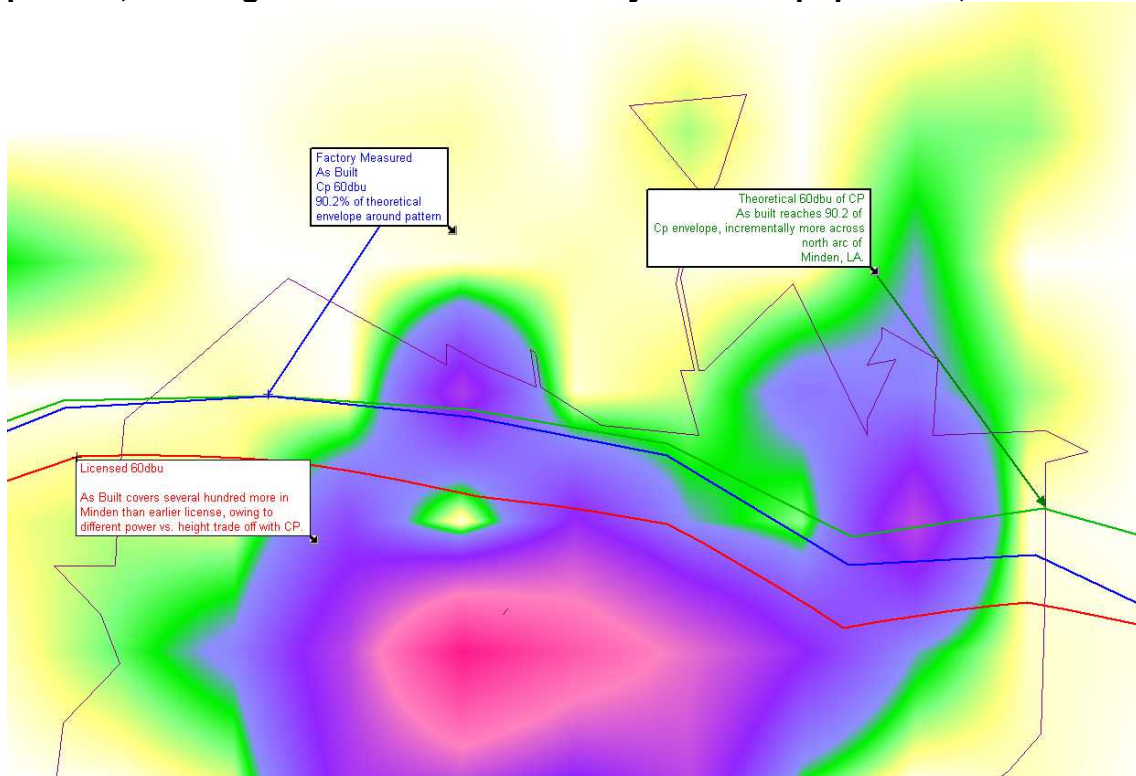
Please See "As Built Contours" on next page. This was based on the S.W.R. Antenna proof actual values.

As Built Contour

Blue “As Built” Contour exceeds Minden, LA city coverage of licensed red contour.



By inspection, coverage exceeds 50% of the city area and population, and exceeds



the earlier licensed coverage of KKML.

6 Waiver of 47 CFR Section 73.1125 was previously granted to allow operation of this facility as a satellite operation of the following station: KFLO-FM, Facility ID No. 84100, Blanchard, Louisiana, Family Life Educational Foundation.

FLEF continues to operate KKML (FM) as a satellite of KFLO-FM.

7 Pursuant to 47 CFR Sections 73.7002(c) and 73.7005(b), the permittee/licensee is required to construct and operate for a period of four years of on-air operations technical facilities substantially as proposed and shall not downgrade service to the area on which the preference was based.

FLEF acknowledges that it cannot downgrade service for a four year period.

8 Pursuant to 47 CFR Section 73.7005(a), the permittee/licensee shall be subject to a holding period. From the grant of the construction permit and continuing until the facility has achieved four years of on-air operations, the permittee/licensee proposing to assign or transfer the construction permit/license to another party will be required to demonstrate the following two factors: that the proposed buyer would qualify for at least the same number of points as the assignor or transferor originally received; and that consideration received and/or promised does not exceed the assignor's or transferor's legitimate and prudent expenses as defined therein.

FLEF acknowledges that any assignment of license during the holding period would have to be to an assignee that qualifies for equal or more points under the FCC preference system, and that any assignment consideration not exceed legitimate and prudent expenses.

9 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radio frequency electromagnetic fields in excess of FCC guidelines.

FLEF, in cooperation with other users at the site will take steps to prevent exposure to levels of RFR in excess of public/uncontrolled and occupational/controlled limits.