

EXHIBIT 1
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PURPOSE OF APPLICATION
Journal Broadcast Corporation
Muskogee, OK

KHTT is presently licensed to operate on FM Channel 295C0 with a maximum nondirectional effective radiated power of 100 kilowatts at 308 meters above average terrain. The attached application proposes to modify the KFTI-FM license to report the installation of a replacement antenna, increase the authorized transmitter power to compensate for the insertion loss of the combiner which was installed to permit hybrid digital operation, and correct the geographic coordinates to conform with the Antenna Structure Registration (**1019804**) for the existing tower that supports the KHTT antenna.¹

The replacement antenna for KHTT is an ERI SHPX-8AC eight bay “rototiller” type antenna, which was installed in place of the presently licensed Continental (ERI) G5CPS-8AC3 eight bay “rototiller” type antenna. This replacement antenna includes 0.6 degrees of electrical beam tilt and was installed on the same tower at the same height as the previously licensed antenna. This exhibit includes a figure provided by the manufacturer of this antenna depicting the predicted elevation pattern for this replacement antenna. The installation of this replacement antenna won’t result in any change in the predicted power densities at ground level, which will continue to easily comply with the FCC exposure standard.

¹The CDBS record for KHTT presently indicates that the ASRN for this tower is 1052354, which is incorrect.

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The registered geographic coordinates for this tower, when converted to the NAD27 datum and rounded to the nearest second are:

NL - 35° 51' 41"
WL - 95° 46' 03"

Pursuant to Section 73.1690(c)(11) of the FCC Rules, a coordinate correction may be accomplished in the context of a license modification application so long as the corrected geographic coordinates differ from the previously licensed values by no more than 3 seconds in latitude and no more than 3 seconds in longitude, no physical changes are proposed to the actual tower location, and the coordinate corrections do not create any new short spacings or aggravate any existing short spacings. The instant situation involves a coordinate correction of two seconds in longitude and two seconds in latitude with no change in the actual physical location of this tower. Furthermore, this coordinate correction will not result in KHTT being short spaced to any other station requiring protection consideration.

Based on the above information, neither this antenna replacement nor this coordinate correction requires the filing of a construction permit application and can be accomplished in the attached license modification application.



Electronics Research, Inc.
7777 Gardner Road
Chandler, In. 47610

Figure 1

----Theoretical----

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Vertical Plane Relative Field
8 ERI Type SHP, SHPX, LP or LPX Elements
-0.60 Degree(s) Electrical Beam Tilt
0.0 Percent First Null Fill
0.0 Percent Second Null Fill
Power Gain is 4.344 In The Horizontal Plane(4.442 In The Max.)

106.9 MHz

Element Spacing:
110.0094 Inches

