

ENGINEERING STATEMENT
IN SUPPORT OF
APPLICATION FOR LICENSE
FACILITY ID: 27021
KCFX CHANNEL 266C0, 100KW, 341 METERS HAAT
HARRISONVILLE, MISSOURI

The attached FCC Form 302 and accompanying exhibits of which this statement is a part have been prepared on behalf of Susquehanna Kansas City Partnership, Licensee of FM Radio Station KCFX, Harrisonville, MO.

The underlying Construction Permit (BPH-20020523AAP) includes two (2) special operating conditions or restrictions that must be satisfied prior to the issuance of program test authority by the Commission.

Condition #2, specifies sufficient measurements on the antenna system will be conducted to assure compliance with 73.317(b) thru (d). Attached to this application as Exhibit 10 is a full report of measurements conducted by Electronics Research, Inc. showing compliance with the above stated rules.

Condition #5, specifies that the performance of the antenna system of AM Radio Station KCCV(AM) in Overland Park, KS, will not be adversely affected by the antenna and supporting structure of KCFX. Attached to this application as Exhibit 9 is a full report regarding a partial proof of performance on the KCCV antenna system. This report was generated by the firm of du Treil, Lundin & Rackley, Inc. Consulting Engineers.

It is believed that the above two exhibits completely satisfy the conditions on the applicants construction permit and it is therefore requested that program test authority be issued without delay.

In addition to the request for license for the applicants' new facility, it is desired to utilize the applicants' former main site authorized under License File Number: BLH-19900917KC as an auxiliary site.

Figure 1 attached shows the 60dbu contour of the former main, to be within the requested main sites 60 dbu contour. Authorization is requested to operate this proposed auxiliary site with an ERP of 58 kw at a HAAT of 300 meters. In order to have this site meet the requirements for auxiliary antennae as outlined in §73.1675(a),(1),(ii), the reduction in ERP from 97kw will be accomplished by reducing the presently authorized TPO of 36 kw to 21.6 kw.

 Date: April 24, 2003

Fred W. Greaves Jr.
Director of Engineering
Susquehanna Radio Inc.

FIGURE 1

**KCFX CHANNEL 266C0
HARRISONVILLE, MO.
REQUESTED MAIN
100 KW 341 METERS
REQUESTED AUXILIARY
58 KW 300 METERS**

**60dbu Requested Main
BPH-20020523AAP**

**60dbu Requested Auxiliary
(Former Main) BLH-19900917KC**

April 2003

The map displays the KCFX Channel 266C0 service area, centered on Harrisonville, MO. The requested main frequency is 100 KW 341 METERS, and the requested auxiliary frequency is 58 KW 300 METERS. The map includes a grid of latitude and longitude coordinates, with major lines labeled at 30-degree intervals. The map also shows the locations of various cities and towns, including St. Louis, Kansas City, and Springfield. The requested main and auxiliary frequencies are indicated by arrows pointing to specific locations on the map.

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(Former Main) BLH-19900917KC**

April 2003

The map displays the KCFX Channel 266C0 service area, centered on Harrisonville, MO. The requested main frequency is 100 KW at 341 METERS, and the requested auxiliary frequency is 58 KW at 300 METERS. The map includes a grid of latitude and longitude coordinates and labels for various towns and cities in the region, such as St. Louis, Kansas City, and Springfield. The requested main frequency is indicated by a large black circle, and the requested auxiliary frequency is indicated by a smaller black circle. The map also shows the locations of the requested main and auxiliary frequencies, with the main frequency located near St. Louis and the auxiliary frequency located near Kansas City.

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The map displays the KCFX Channel 266C0 service area in Harrisonville, Missouri. It includes a grid of townships and cities, with a large circle indicating the requested main service area (100 KW, 341 METERS) and a smaller circle indicating the requested auxiliary service area (58 KW, 300 METERS). The main service area is centered on Harrisonville, MO, and the auxiliary service area is centered on the town of Harrisonville, MO. The map also shows the locations of the requested main and auxiliary frequencies, with the main frequency (BPH-20020523AAP) and the auxiliary frequency (BLH-19900917KC) both requested at 60dbu. The map is dated April 2003.

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