

ENGINEERING STATEMENT  
IN SUPPORT OF AN APPLICATION FOR MAJOR CHANGE  
**KFMZ, BROOKFIELD, MISSOURI**  
1210 kHz 5 kW D/0.05 kW N DA-2  
OCTOBER 2005

This engineering statement has been prepared on behalf of Best Broadcasting, Inc., (“Best”) licensee of AM radio station KFMZ, Brookfield, Missouri and is in support of an application to make major changes in the station’s authorized facility.

At present KFMZ operates on 1470 kHz daytime only with 0.5 kW power. Best filed an application (BMJP-20040127ABJ) during the AM Auction No. 84 filing window to make major changes in the facility of KFMZ. It was proposed to change the station’s frequency to 1210 kHz and operate daytime only with 5 kW power using a directional antenna system. A secondary KFMZ nighttime operation with 0.05 kW was also proposed.

In view of settlement with applicants for a new AM stations at Luther, Iowa (BNP-20040130AQV), and Bevier, Missouri (BNP-20040126ALG), the KFMZ proposal (BMJP-20040127ABJ) is not mutually exclusive with any other application submitted during the AM Auction 84 filing window.

KFMZ is filing its complete FCC Form 301 application by proposing its daytime only operation on 1210 kHz with 5 kW using a two-tower directional antenna system. It is also proposed to operate at nighttime on a secondary basis with 50 watts power using two-tower directional antenna system.

The proposed KFMZ facilities fully comply with the Commission’s rules by protecting existing stations and earlier filed applications. KFMZ also complies with principal city coverage requirements during daytime. The attached Exhibits 11-15 and 18-20 demonstrate the full compliance of the Commission’s rules.

Under penalty of perjury the undersigned states that the foregoing statement has been prepared by him and that the facts stated herein are true of his own knowledge, except such facts as are stated to be on information and belief, and as to such facts, he believes them to be true.

20 October 2005

S. K. Khanna  
Professional Engineer  
District of Columbia, PE License No.8057

EXHIBIT 11  
BROADCAST FACILITY  
KFMZ, BROOKFIELD, MISSOURI  
1210 kHz 5 kW D/0.05 kW N DA-2  
OCTOBER 2005

**Section 73.24(e)**

The proposed technical equipment, location of the transmitter and technical phases of operation will be according to the Commission's rules and requirements of good engineering practice.

**Section 73.24(g)**

The estimated population within the computed 1 V/m contour is less than 300 people.

**Section 73.33**

Since no change is proposed in the licensed KFMZ antenna site, a map showing the antenna location is not provided. The details of the directional daytime and nighttime antenna system are provided in Exhibits 19 and 20, respectively.

Station KFMZ will provide a complete directional antenna proof-of-performance with its application for license.

**Section 73.45**

The efficiency of the proposed daytime directional antenna system is greater than 282 mV/m for 1 kW. The proposed station will be built according to the good engineering practices and employ necessary ground system to achieve the antenna efficiency.

**Section 73.150**

The details of the directional daytime and nighttime antenna system are provided in Exhibits 19 and 20, respectively.

**Section 73.152**

Not applicable

**Section 73.160**

The vertical radiation pattern has been designed according to this rule for the secondary nighttime operation of KFMZ and is included in Exhibit 20.

**Section 73.182(a)-(i)**

The proposed secondary nighttime operation of KFMZ provides the required protection to existing co-channel and adjacent stations based on the calculations performed according to this section of the Rules.

**Section 73.186**

Not applicable

**Section 73.189**

The proposed daytime directional antenna system complies with the minimum efficiency requirement for 5 kW power.

**Section 73.1650**

The proposed KFMZ operation on 1210 kHz would be in compliance of all International Agreements.