

## TECHNICAL NARRATIVE

This Technical Statement and attached exhibits were prepared on behalf of Billings Broadcasting, LLC (“Billings”), licensee of station KWJK, Channel 226C3, Boonville, Missouri. Billings herein proposed a minor change application to the facilities of KWJK to operate with a directional antenna and increase the effective radiated power to 16.5 kilowatts at 124 meters height above average terrain. Billings is proposing to implement this change at the current licensed tower site for KWJK. As such, the Federal Aviation Administration was not apprised of this proposal. The tower has been registered with the Commission and assigned Antenna Structure Registration Number 1214995. The Application Site Channel Study for KWJK Channel 226C2, 38 degrees 56 minutes 31 seconds North Latitude, 92 degrees 34minutes 32 seconds West Longitude, is fully spaced to all stations under Section 73.207 with three exceptions. The proposed application is short spaced to mutually exclusive construction permit BMP-20070119AGR and construction permit modification application BMPH-20101122ABW, both for station KQQX(FM), Channel 227C2, Hermann, MO by 2.2 km and short-spaced to licensed FM station KGRC, Channel 225C1, Hannibal, MO by 10.44 km. KWJK is proposing to operate under Section 73.215 to both KQQX and KGRC. KWJK is proposing to operate with a directional antenna to avoid contour overlap with KGRC. On November 24, 2010 the Commission accepted for filing construction permit modification BMPH-20101122ABW which was filed by Twenty-One Sound Communications, Inc., licensee of KQQX(FM). It is understood that the KWJK instant application is being filed contingent to existing KQQX construction permit BMP-20070119AGR, which is set to expire on December 14, 2010. This KWJK instant application does not overlap

contours with the KQQX cp modification application. Billings requests Section 73.215 contour protection with respect to the KQQX cp modification application BMPH20101122ABW. Should the KQQX construction permit expire, the KWJK application is fully spaced to the KQQX allotment reference coordinates.

There are no short-spacings to LPFM stations from the application site for KWJK. The Application Site F(50,50) 70 dBu City Contour easily cover 100% of the Boonville, Missouri corporate boundaries.

The change in transmitter sites will create no loss of area or population served. KWJK(FM) 226A facility serves within the FCC F(50,50) 60 dBu protected contour an area of 3417.5 sq. km and 145,914 persons (2000 U.S. Census). The proposed KWJK(FM) 226C3 facility would serve within the FCC F(50,50) 60 dBu protected contour an area of 4640.5. sq. km. and 163,854 persons (2000 U.S Census). Thus granting of this instant application will create a net gain in area of 1,223 sq. km and a net gain population served of 17,940 persons.