

## **TECHNICAL NARRATIVE**

This Technical Statement and attached exhibits were prepared on behalf of Stereo 93, Inc. ("Stereo 93"), licensee of station KISR, Channel 229C, Fort Smith, Arkansas with pending application BPH-20160817AAE which would modify KISR to Channel 229C1. Stereo 93 herein is proposing a minor amendment to FCC Form 301 minor change application BPH-20160817AAE. The amendment changes the proposed KISR transmit antenna to a height above ground level that allows it to be mounted on the existing tower registered with Antenna Structure Registration ("ASR") number 1038012 without increasing its overall height above ground level. The proposed KISR facility would operate with 88.0 kW at 316 meters HAAT and 145.4 meters height above ground level.

The proposed KISR Channel 229C1 application site and the licensed KISR Channel 229C site are mutually exclusive. The Application Site Channel Study for KISR Channel 229C1 is located at 35 degrees 42 minutes 35.7 seconds North Latitude, 94 degrees 8 minutes 15.3 seconds West Longitude (NAD 27) and is fully spaced to all full power FM stations. The Application Site FCC F(50,50) 70 dBu City Contour easily covers 100% of the Fort Smith, Arkansas corporate boundaries. No Low Power FM (LPFM) or Class D FM stations will be affected by the proposed KISR modification.

The licensed KISR(FM) 229C facility serves within the FCC F(50,50) 60 dBu contour an area of 19,426.0 sq. km and 547,527 persons (2010 U.S. Census). The proposed KISR(FM) 229C1 facility would serve within the FCC F(50,50) 60 dBu contour an area

of 16,722.3 sq. km. and 610,717 persons (2010 U.S Census). Thus granting of this instant application will create a net loss in area of 2,703.7 sq. km and a net gain population served of 63,190 persons.