

## **TECHNICAL NARRATIVE**

This Technical Statement and attached exhibits were prepared on behalf of Momentum Broadcasting, LP (Momentum), licensee of station KJUG-FM, Channel 294B, Tulare, California, (Facility ID # 71716). Momentum herein proposes to modify the license of KJUG-FM by locating to a new transmitter site.

Two changes to the FM Spectrum are proposed. A minor change application involves a site change for station KJUG-FM. The second change is a request to change the reference coordinates for KAAX(FM) Avenal, California (Facility ID #3365). By relocating the reference coordinates of FM station KAAX, Channel 295A, Avenal, CA to 36° 00' 15" N., 120° 07' 41" W, it is possible for KJUG-FM to locate to a superior transmitter location and provide service to a larger area and population. Included with this application is a channel study for KAAX at the proposed new reference coordinates. The channel study indicates the site is fully spaced to all stations. Also included with this application is a coverage map showing the Hypothetical FCC 70 dBu contour (16.2 km) from the proposed reference coordinates for KAAX on Channel 295A. The coverage map on Channel 295A demonstrates that 100% of Avenal, CA is easily contained inside the hypothetical city grade contour.

The proposal is described in its entirety for the convenience of the FCC staff but the actual requests are made by the application itself.

## **Modification of KJUG-FM Channel 294B, Tulare, CA**

KJUG-FM Channel 294B, Tulare, California seeks to be modified to locate to a new transmitter site. The proposed KJUG-FM application site, located at 36 14' 31.9" North Latitude 118° 52' 23.2" West Longitude (NAD 27), is mutually exclusive with the licensed facility of KJUG-FM. KJUG-FM would operate with 28.5 kW non directional at 133.4 meters HAAT. This modification is also compliant with all the requirements of 47CFR §73.207 and 47CFR §73.315.

Momentum is proposing to implement this change at a new tower. The proposed 74.9 ft. (22.8 meter) tower is less than 200 feet in overall height. The nearest airport is 19.75 kilometers away and the site is not in the flight path of any nearby airport. Therefore the tower is not required to be registered with an FCC Antenna Structure Registration No. The application site Channel Study for KJUG-FM shows short-spacing to two existing full power FM stations. The proposed KJUG-FM application site is short spaced to station KROQ-FM Channel 294B, licensed to Pasadena, CA by 7.3 km. KJUG-FM will reduce effective radiated power and adopt Section 73.215 contour protection to KROQ-FM. The proposed KJUG-FM application site is also short spaced to KAAX(FM) Channel 295A construction permit modification BMPED-19960826IA by 1.9 km. Momentum Broadcasting, LP has requested the FCC to change the reference coordinates for KAAX(FM) to new coordinates that are fully spaced to the KJUG-FM application.

The KJUG-FM Channel 294B application site FCC F(50,50) 70 dBu contour covers 100% of the Tulare, CA corporate boundaries. No Low Power (LPFM) or Class D stations will be displaced by the proposed changes.

The licensed KJUG-FM Channel 294B facility serves within the FCC F(50,50) 54 dBu protected contour, an area of 12,254.6 sq. km. and 657,534 persons. The proposed KJUG-FM Channel 294B modification would serve within the FCC proposed FCC F(50,50) 54 dBu protected contour 14,478.3 sq. km. and 827,039 persons (2010 Census data). Therefore the proposed KJUG-FM modification will increase its service area by 2,223.7 sq. km. and 169,505 persons.