

Exhibit 12

New FM Translator Station Proposed CH 237D – 95.3 MHz – 0.250 KW Columbia, Missouri July 17, 2017

Technical Narrative

This Technical Narrative and attached exhibits were prepared on behalf of Zimmer Radio of Mid-Missouri, Inc. (“Zimmer”), licensee of Class D AM Station KFAL 900 kHz, Facility ID No. 34409, Fulton, Missouri. Zimmer herein is filing an FCC Form 349 application for a new FM translator at Columbia, MO. KFAL did not participate in the 2016 250 mile AM filing window and therefore is eligible for the first AM filing window for new FM translators for Class C and D AM stations.

The proposed new facility will be used as a fill-in translator for co-owned primary station KFAL(AM), licensed to Fulton, MO. The proposed new facility would operate on Channel 237D (95.3 MHz) with 250 watts non-directional with the transmit antenna located at 115 meters height above ground level and 113 meters HAAT. Exhibit 10 demonstrates that the proposed FCC F(50,50) 60 dBu contour of the new facility is contained within the KFAL 2.0 mV/M daytime contour. Therefore it is believed that this application is in compliance with Section 74.1201(g) of the Commission’s rules.

Exhibit 13-A is a channel study that assumes a Class A 6 kW facility operating on channel 237 and is provided to FCC staff as a convenience to help identify potential contour overlap issues. Exhibit 13-B shows Section 74.1204 contour protection to second adjacent full power FM station KWWR Channel 239C, Mexico, MO and third adjacent full translator K234CC, Channel 237D,

Columbia, MO. Exhibit 13-C shows Section 74.1204 contour protection to co-channel full power FM station KXMO-FM, Channel 237C2, Owensville, MO. Exhibit 13-D shows Section 74.1204 contour protection to first adjacent full power FM station KTKS, Channel 236C3, Versailles, MO. No interference will be delivered or received from any existing FM translator station or low power FM (LPFM) facility.

A study has been undertaken to show the proposed facility is in compliance with the Commission's radio frequency emission limits and is attached as Exhibits 17-A and 17-B.