

Family Stations, Inc.

FCC Facility ID 20989, WBFR, Birmingham, AL, Class A, Channel 208 (89.5 MHz) 33-29-03.0 N, 86-49-35.0 W – ERP = 0.095 kW (H&V) – RCAMSL = 401 Meters
License to Cover - LMS application 0000214094

The LMS application 0000214094 was filed to specify a coordinates correction, change in ERP, change in RCAMSL and addition of Horizontal Polarization and all other technical parameters within the minor change regulations. The following were applied for: 33-29-03.0 N, 86-49-35.0 W – ERP = 0.095 kW (H&V) – RCAMSL = 401 Meters.

The facility is fully compliant pursuant to 73.525 and all other rule sections with respect to interference and requisite spacings with existing broadcast authorizations and applications.

The facility is within the threshold distance of Full-Service TV Channel 6 Station WVUA, Tuscaloosa, AL, as it is of 363 meters (0.36 km) from same.

47 CFR Section 73.525(d) states: (d) Collocated stations. As an alternative to the provisions contained in paragraphs (b) and (c) of this section, an application for a NCE-FM station operating on Channels 201-220 and located at 0.4 kilometer (approximately 0.25 mile) or less from a TV Channel 6 station will be accepted under the following requirements:

- 47 CFR Section 73.525(d)(1) Table B shows that the maximum allowed Effective Radiated power for the full service NCE-FM channel is 14.8 kW. The ERP of the facility is 0.95 kW.
- 47 CFR Section 73.525(d)(2) states: (2) The NCE-FM application will include a certification that the applicant has coordinated its antenna with the affected TV station by employing either: The same number of antenna bays with radiation centers separated by no more than 30 meters (approximately 100 feet) vertically; or, the FM vertical pattern not exceeding the TV vertical pattern by more than 2dB.
- WVUA employs a ERI SHPX-16AC antenna which has an equal horizontal and vertical pattern. Attached is a map showing the licensed coverage pattern of WVUA and the coverage contour of the proposed WBFR facility. This map clearly shows that the proposed FM facility does not exceed the TV Vertical pattern by more than 2 db.

The applicant constructed an antenna change to a Nicom BKG77 (1-bay) Opposed-V antenna type.