

## **TECHNICAL NARRATIVE**

This Technical Statement and attached exhibits were prepared on behalf of Riverfront Broadcasting, LLC (Riverfront). Riverfront was the winning bidder for MM-FM942-A, Channel 283A, Murdo, SD (Facility ID# 190370) in FCC FM Broadcast Auction 93 which was completed April 5, 2012. Riverfront herein is filing a one-step FCC minor modification application to upgrade to Channel 283C0 at Murdo, SD.

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

The proposed Channel 283C0 hypothetical/reference site, located at 43 53' 17" North Latitude 100° 42' 47" West Longitude (NAD 27), is mutually exclusive with the Channel 283A reference site.

The proposed Channel 283C0 application site, located at 44 03' 07" North Latitude 100° 05' 03" West Longitude (NAD 27), is mutually exclusive with the reference site for Channel 283A at Murdo, SD. This modification is also compliant with all the requirements of 47CFR §73.207 and 47CFR §73.315. The proposed Channel 283C0 facility will operate with 100 kW @ 318 meters HAAT.

Riverfront is proposing to implement this change at an existing communications site. The 1088.6 ft. (339.1 m) tower is registered with FCC Antenna Structure Registration

No. 1041931. The application site Channel Study for Channel 283C0 at Murdo is fully spaced to all full power FM facilities. The proposed application site is short spaced to low power FM station (LPFM) KPGN-LP Channel 284L1, licensed to Pierre, SD. Riverfront is not responsible for expenses associated with the relocation of KPGN-LP to a fully spaced channel. However, a channel study from the KPGN-LP licensed site indicates a minimum of 28 alternate channels are available including 3<sup>rd</sup> adjacent channel 287L1. Upon the enactment of revised LPFM spacing requirements proposed in the Local Community Radio Act of 2010 “LCRA”, the number of available LPFM channels at the KPGN-LP licensed site will increase to 61 channels. Therefore, it should not be difficult for KPGN-LP to relocate to a new frequency and remain operating.

The Channel 283C0 hypothetical site coordinates 70 dBu community contour covers 100% of the Murdo, SD corporate boundaries. A Supplemental Showing is included as an exhibit to demonstrate Community Coverage compliance with Section 73.315 using the Longley-Rice Propagation Method.

The proposed Channel 283C0 facility would serve within the FCC F(50,50) 60 dBu protected contour an area of 17,088.6 sq. km. and 32,394 persons (2010 U.S Census).