

APPLICATION FOR NEW STATION
Facility ID number 166027

CH 268C Drummond, MT
Radioactive, LLC

Technical Narrative

This engineering statement has been prepared in support of an application for a new station at Drummond MT. This allocation was auctioned in FCC Auction 62.

Allocation Coordinates:

The reference coordinates for the CH 268C at Drummond, MT are 46-16-47 North, 113-31-19 West NAD 27. These coordinates are fully spaced to all current and proposed stations under Section 73.207 of the Commission's rules as shown by Exhibit 25A.

Proposed Transmitter Location:

It is proposed to extend the height of an existing tower at 46-44-49 north, 113-37-19W NAD 27. The current tower registration number is 1003787.

Allocation Study:

Channel 268C at the proposed transmitter location meets the requirements of Section 73.207 of the Commission's rules except for the license of KATW, Lewiston ID, KZMT, Helena MT, and a CP for a new C1 on CH 269 at Belt, MT. Exhibit 25B is a spacing study of CH 268C at the proposed coordinates. Exhibit 29 is a map showing that the service and interfering contours of the Proposed Station, KATW, KZMT and the Belt, MT CP. This map shows that at the power and height specified in this application, there is no prohibited contour overlap.

The applicant respectfully requests processing of this application under Section 73.215 of the Commissions rules.

FCC Predicted Coverage:

The predicted coverage contours (60 dBu F(50,50) and 70 dBu F(50,50)) were calculated in accordance with the provisions of 73.313, using 72 radials evenly spaced at 5 degree angles.

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Exhibit 23 is a map showing the predicted coverage contours. As can be seen, the FCC predicted 70dBu contour completely encompasses the Community of Drummond, MT.

RFR Compliance:

The proposed facilities were evaluated using the FCC RF worksheet Number 1 and were found to reach 16% of the worst case controlled/occupational limit for RF exposure. It is therefore believed that this proposal is in compliance with OET Bulletin 65 as required. Additionally, the applicant will see that signs are posted in the vicinity of the tower warning of potential radio frequency hazards. The site itself will be restricted from public access. All station personnel and contractors will be required to follow appropriate safety procedures before any work is started on the tower, including reduction of power or discontinuance of operation.