

APPLICATION FOR NEW STATION

Engineering Proposal File Number: BSFH 20040806ALF

Facility ID Number: 164252

CH 243A, Ingram, TX

Radioactive, LLC

Technical Narrative

This engineering statement has been prepared in support of an application for a new station at Ingram TX. This allocation was auctioned in FCC Auction 37.

Proposed Transmitter Location:

It is proposed to locate the antenna on an existing tower at 30-02 27 North, 99-10 19 West, using the NAD 27 database. The tower registration number is 1240029.

Allocation Study:

The proposed location meets the requirements of section 73.207(b) with these exceptions. The allocation auctioned in Auction 37 is mutually exclusive with proposals to allocate CH 243 C3 to Kerrville, TX and to add CH 243 C2 to Lago Vista TX. It is the applicant's understanding that allocations awarded by auction are given positive consideration with respect to mutually exclusive proposals.

The proposed coordinates are also 5.9km short to KXXM San Antonio and 4km short to a proposal to add CH 245 C1 to San Antonio. As exhibit 29A demonstrates, there is no actual overlap of service and interfering contours even if KXXM is assumed to operate at maximum facilities for a Class C1 station, or if the proposal to allocate Channel 245C1 were adopted and that facility were constructed at full C1 facilities with the Proposed station. Exhibit 29B enlarges the area of contour proximity between KXXM and the Proposed station, demonstrating that the proposal meets the requirements of 73.215 of the FCC rules. Exhibit 29A and Exhibit 29B were drawn using 360 radials spaced every 1 degree.

The applicant is applying for operation on CH 243A based on the award of that channel in Auction 37. If the mutually exclusive proposals are rejected in favor of the channel auctioned and won by the applicant, then the applicant respectfully requests processing under section 73.215 of the Commission's rules.

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FCC Predicted Coverage:

The predicted coverage contours (60 dBu F(50,50) and 70 dBu F(50,50)) were calculated using 360 radials evenly spaced at 1 degree angles.

Exhibit 23 is a map showing the predicted coverage contours. As can be seen, the FCC predicted 70dBu contour completely encompasses the City of Ingram, TX.

RFR Compliance: The proposed facilities were evaluated using the FCC RF worksheet number 1 and were found to reach 7.8% 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 is 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.