

## TECHNICAL EXHIBIT

### CHANGE OF COMMUNITY OF LICENSE TO FRENCHTOWN, MONTANA

#### Technical Narrative

This technical narrative and accompanying Figures have been prepared on behalf of Radioactive, LLC, holder pursuant to issuance at Auction No. 62 of the construction permit for an unbuilt FM station on channel 268C0, Drummond, Montana, File No. BNPB-20060310AFH, Facility ID No. 166027 (the "Permit"), in support of an application for the minor modification of the Permit to specify operation on channel 268C1 at Frenchtown, Montana.

As the requested change is mutually exclusive with the Permit's current allotment, this modification is appropriately requested on a minor modification application. See 47 C.F.R. Sections 73.203(a), 73.3573(a)(i) and 73.3573(g).

The following is a summary of the merits of this modification:

- The community of Frenchtown, Montana (2000 Census population 883 persons) will be provided with its first local aural transmission service.
- The community of Drummond, Montana (2000 Census population 318 persons) will not lose service, as the Permit has not yet been constructed, and will continue to be well served by other aural reception services.
- The proposed channel 268C1 allotment site at Frenchtown, Montana, satisfies the Commission's allocations spacing rules for a fully spaced, full 100 kilowatt (kW) Class C1 facility.<sup>1</sup>

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<sup>1</sup> The proposed allotment reference coordinates are 46° 56' 51.6" North, 113° 49' 51.8" West. See this Exhibit under the heading "Compliance with FCC Rules" for details on allocations considerations with respect to this site. Also see *Figure 1* accompanying this Exhibit for the allocations spacing study.

- The 60 dBu area associated with the proposed operation on channel 268C1 at Frenchtown, Montana, would encompass 125,578 persons.
- The 70 dBu area associated with the proposed operation on channel 268C1 at Frenchtown, Montana, would encompass 106,979 persons.
- The Community of Frenchtown, Montana would receive protected aural service from 18 stations.

#### Proposed Change to the Permit

The current community of license for the Permit is Drummond, Montana, which is located in Granite County, Montana, and has a 2000 U.S. Census population of 318 persons. Because the Permit is unbuilt, changing the Permit's community of license would not constitute the removal of service from Drummond, Montana. The Permit's 60 dBu area is well served by many aural services. See *Figures 3 and 4*.

The proposed community of license for the Permit is Frenchtown, Montana, which is located in Missoula County, Montana, and has a 2000 U.S. Census population of 883 persons. Frenchtown has no local FM or AM aural transmission broadcast service and, therefore, the proposed modification of the Permit would bring a first local aural transmission service to Frenchtown.

#### Compliance With FCC Rules

The attached *Figure 1* is a tabulation of required separations pertinent to use of channel 268C1 at Frenchtown, Montana. The allotment reference site complies with the Commission's minimum distance separations contained in Section 73.207 of the FCC's rules to all existing, authorized and proposed stations and allotments as a full 100 kW Class C1 allotment, except for the Permit's existing channel 268C0 allotment at Drummond, Montana, for which this proposal is a mutually exclusive substitute.

Operation from the channel 268C1 reference site would provide the requisite city grade (70 dBu) signal to Frenchtown, Montana. *Figure 2* is a map which depicts the city grade coverage (70 dBu) contour based on maximum Class C1 facilities (ERP 100 kW/HAAT 299 meters) at the proposed allotment reference site. As shown, all (100%) of Frenchtown is located within the predicted 70 dBu contour.

### Urbanized Area Considerations

The Permit's present and proposed 70 dBu contours encompass 100 percent of the Missoula, Montana Urbanized Area.

### Proposed 60 dbu Area

There would be 125,578 persons residing within the proposed 60 dBu contour as calculated from the proposed allotment reference site and based on maximum Class C1 facilities; the area within the proposed 60 dBu contour would be 16,265 square kilometers.

### Proposed 70 dbu Area

There would be 106,979 persons residing within the proposed 70 dBu contour as calculated from the proposed allotment reference site and based on maximum Class C1 facilities; the area within the proposed 70 dBu contour would be 7,844 square kilometers.

### Services to Community

Frenchtown, Montana, the proposed community of license, currently receives protected aural service from 17 radio stations, as shown in *Figures 5* and *6* (counting those stations which provide protected service to at least 80 percent of the area of the community of license).

### Coverage Contours

The FM predicted coverage contours were calculated in accordance with the provisions of 47 C.F.R. Section 73.313,

except that, in accordance with current FCC practice, uniform terrain was assumed in all directions. The AM predicted coverage contours were calculated in accordance with the provisions of 47 C.F.R. Section 73.182.

#### Population and Area

The population within the service contours was calculated using a computer program that utilizes the 2000 U.S. Census database of "population centroids." The program adds the populations of those U.S. Census designated areas whose centroid lies within each service area.

#### Conclusion

The class and community of license of the Permit may be changed to channel 268C1 at Frenchtown, Montana, in compliance with all applicable Commission rules. The community of Frenchtown, Montana, would be provided with a first local aural transmission service, and, given that the Permit is unbuilt, the community of Drummond, Montana, will not lose an existing aural service. Moreover, the area within the Permit's 60 dBu contour is already well served by existing aural services. Therefore, the applicant requests the minor modification of the Permit specifying operations on channel 268C1 at Frenchtown, Montana.

*Figure 1*

*Spacing Study at Allotment Reference Site*

ComStudy 2.2 search of channel 268 (101.5 MHz Class C1) at 46-56-51.6 N, 113-49-51.8 W.

CALL	CITY	ST	CHN	CL	DIST	SEP	BRNG	CLEARANCE
NEW	DRUMMOND	MT	268	C0	27.43	259.00	144.5	-231.6
KATW	LEWISTON	ID	268	C1	249.57	245.00	258.6	4.6
KATW	LEWISTON	ID	268	C1	249.57	245.00	258.6	4.6
KZMT	HELENA	MT	266	C	116.65	105.00	100.5	11.7
KZMT	HELENA	MT	266	C	116.64	105.00	100.5	11.6
NEW	BELT	MT	269	C1	215.58	177.00	82.7	38.6

Figure 2  
Proposed 60 and 70 dBu Contour Service from Allotment  
Reference Site

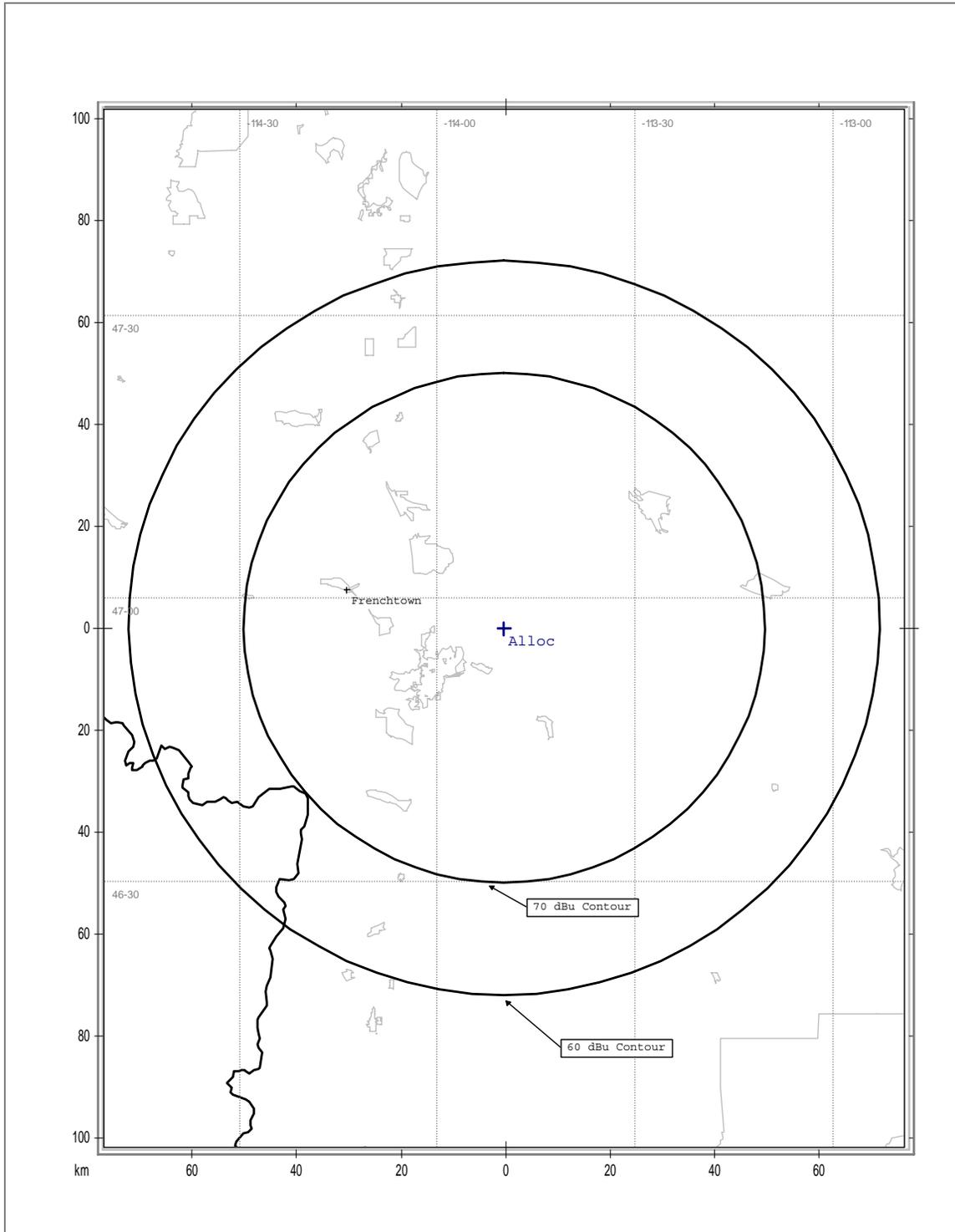


Figure 3

Map of Services to the Permit's 60 dBu Contour Area as Presently Authorized

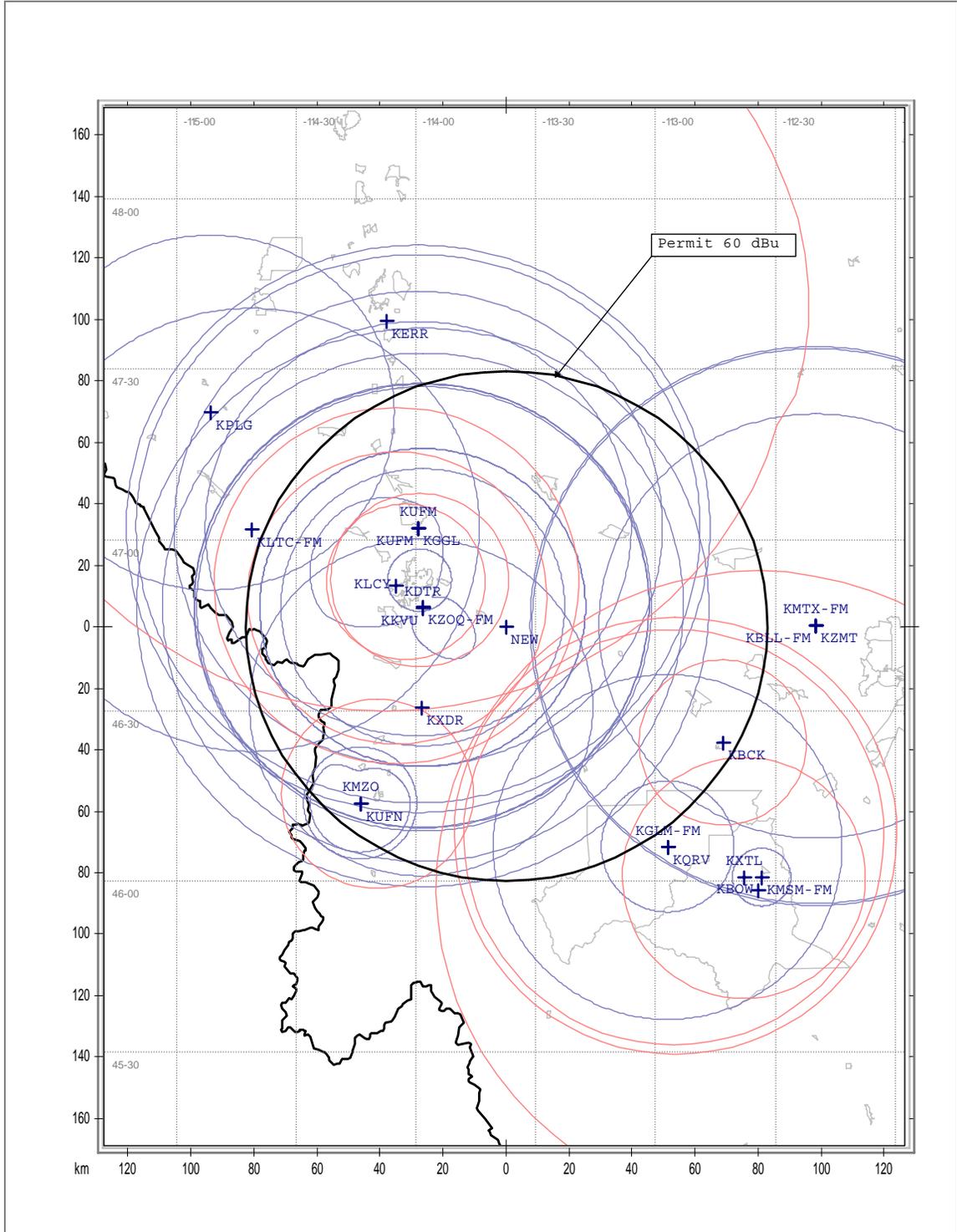


Figure 4

*Tabulation of Existing Aural Services to Permit's 60 dBu  
Contour Area as Presently Authorized*

Call Sign	Facility_id	City	State
KANA	668	ANACONDA	MT
KGLM-FM	669	ANACONDA	MT
KBCK	670	DEER LODGE	MT
KERR	2208	POLSON	MT
KMSM-FM	3042	BUTTE	MT
KLYQ	4699	HAMILTON	MT
KBAZ	4700	HAMILTON	MT
KBOW	7911	BUTTE	MT
KMTX-FM	8668	HELENA	MT
KBLL-FM	27517	HELENA	MT
KZOQ-FM	32385	MISSOULA	MT
KYLT	32389	MISSOULA	MT
KZMT	50357	HELENA	MT
KMSO	60052	MISSOULA	MT
KXTL	63871	BUTTE	MT
KGGL	63874	MISSOULA	MT
KGRZ	63879	MISSOULA	MT
KUFN	66629	HAMILTON	MT
KUFM	69239	MISSOULA	MT
KGVO	71751	MISSOULA	MT
KLCY	71754	EAST MISSOULA	MT
KYSS-FM	71759	MISSOULA	MT
KXDR	76981	HAMILTON	MT
KBGA	78334	MISSOULA	MT
KMZL	78721	MISSOULA	MT
KQRV	79010	DEER LODGE	MT
KPLG	85426	PLAINS	MT
KLTC-FM	88404	SUPERIOR	MT
KBQQ	89040	PINESDALE	MT
KMZO	92534	HAMILTON	MT
KDTR	162324	FLORENCE	MT
KYJK	162326	MISSOULA	MT
KKVU	162327	STEVENSVILLE	MT

Figure 5

Map of Protected Services to the Community

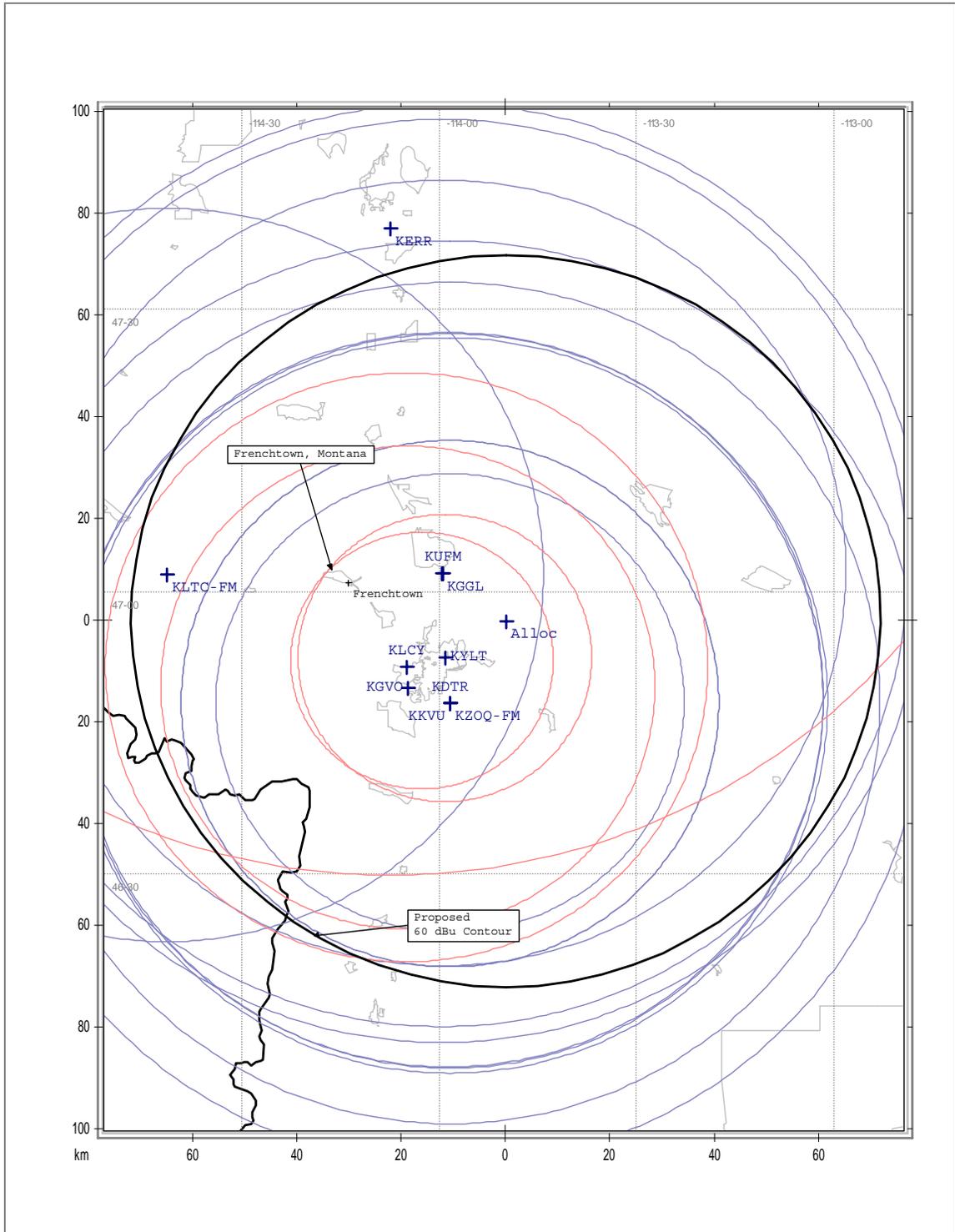


Figure 6

Tabulation of Protected Services to the Community

Call Sign	Facility_id	City	State
This App	166027	Frenchtown	MT
KLTC-FM	88404	SUPERIOR	MT
KMSO	60052	MISSOULA	MT
KBAZ	4700	HAMILTON	MT
KBQQ	89040	PINESDALE	MT
KZOQ-FM	32385	MISSOULA	MT
KMZL	78721	MISSOULA	MT
KDTR	162324	FLORENCE	MT
KKVU	162327	STEVENSVILLE	MT
KYJK	162326	MISSOULA	MT
KGGL	63874	MISSOULA	MT
KYSS-FM	71759	MISSOULA	MT
KUFM	69239	MISSOULA	MT
KLCY	71754	EAST MISSOULA	MT
KGRZ	63879	MISSOULA	MT
KGVO	71751	MISSOULA	MT
KERR	2208	POLSON	MT
KYLT	32389	MISSOULA	MT