

TECHNICAL EXHIBIT

CHANGE OF COMMUNITY OF LICENSE

MIDWEST, WYOMING  
BAR NUNN, WYOMING

Technical Narrative

This technical narrative and accompanying Figures have been prepared on behalf of station KRVK(FM), Midwest, Wyoming ("KRVK" or the "Station"), in support of an application for the minor modification of granted KRVK construction permit BPH-20030602ACU (the "Permit"), which specifies operation on channel 300C1 at Midwest, Wyoming. This minor modification application requests a modification of permit for operation on the same channel, 300C1, at Bar Nunn, Wyoming. This application is a contingent application filed with the concurrently-filed application for the minor modification of Station KWYY(FM), Casper, Wyoming ("KWYY") for change of community of license to Midwest, Wyoming.<sup>1</sup>

As the requested change is mutually exclusive with the Station'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 reallocation proposal:

- The community of Bar Nunn, Wyoming (2000 Census population 936 persons) will be provided with its first local aural transmission service.
- The community of Midwest, Wyoming (2000 Census population 408 persons) will have local transmission service from the proposed contingent modification of KWYY to serve Midwest, Wyoming, instead of Casper,

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<sup>1</sup> These contingent applications meet the requirements of 47 C.F.R. Sections 73.3517(e). Note that there is no written agreement for the coordinated facility modifications between KWYY and KRVK because the stations are licensed to the same entity.

Wyoming, which will continue to have multiple local aural transmission services.

- The proposed channel 300C1 allotment site at Bar Nunn, Wyoming, satisfies the Commission's allocations spacing rules for a fully spaced, 100 kW Class C1 facility.<sup>2</sup>
- As the present and proposed reference coordinates are the same, the 60 dBu area associated with the proposed reallocation will not change.<sup>3</sup>

*Table of Figures Accompanying this Exhibit*

Figure 1	KRVK(FM) Channel 300C1 Allocations Spacing Study
Figure 2	KRVK(FM) Channel 300C1 Present CP and Proposed 60 dBu Service
Figure 3	KRVK(FM) Channel 300C1 Present CP and Proposed 70 dBu Service
Figure 4	Map of Protected Service to Proposed Community of License
Figure 5	Table of Protected Service to Proposed Community of License

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<sup>2</sup> The proposed allotment reference coordinates are 43° 10' 27" North, 106° 19' 24" 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.

<sup>3</sup> See *Figure 2*.

### Proposed Change

Midwest, Wyoming, is located in Natrona County, Wyoming, and has a 2000 U.S. Census population of 408 persons.

Bar Nunn, Wyoming, is located in Natrona County, Wyoming, and has a 2000 U.S. Census population of 936 persons. Bar Nunn has no local FM or AM transmission broadcast service and, therefore, this proposal would bring a first local aural transmission service to Bar Nunn.

### Compliance With FCC Rules

The attached *Figure 1* is a tabulation of required separations pertinent to use of channel 300C1 at Bar Nunn, Wyoming. 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 Station's existing channel 300C1 allotment at Midwest, Wyoming, for which this proposal is a mutually exclusive substitute.

Operation from the channel 300C1 reference site would provide the requisite city grade (70 dBu) signal to all of Bar Nunn.<sup>4</sup> *Figure 3* is a map which depicts the community grade coverage (70 dBu) contour based on class C1 facilities (ERP 100 kW/HAAT 299 meters) at the proposed allotment site. As shown, all (100%) of Bar Nunn is located within the 70 dBu City Grade contour.

### Urbanized Area Considerations

The present 300C1 70 dBu contour under the Station's Permit and the proposed 70 dBu contour under this application both would encompass 100% of the population and 100% of the area of the Casper, Wyoming Urbanized Area.

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<sup>4</sup> See *Figure 3* herein.

### Proposed 60 dbu Area

There would be 70,922 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 16,265.4 square kilometers.

There will be no gain or loss area from this proposal.

### Proposed 70 dbu Area

There would be 69,208 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 7844.0 square kilometers.

### Protected Service to Proposed Community of License

Bar Nunn, Wyoming, the proposed community of license, currently receives protected aural service from 16 radio stations, as shown in *Figures 4 and 5* (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 community of license of KRVK may be changed from Midwest, Wyoming, to Bar Nunn, Wyoming, operating on channel 300C1, in compliance with all applicable Commission rules. The community of Bar Nunn, Wyoming would be provided with a first local aural transmission service, and the community of Midwest, Wyoming will continue to have local aural service due to the contingent modification of KWYY to serve Midwest, Wyoming. There are no service loss or gain areas from this proposal. Therefore, Petitioner requests the modification of the KRVK Permit to specify Bar Nunn, Wyoming, as the community of license, in lieu of Midwest, Wyoming.

Respectfully submitted,

Troy G. Langham  
FCC Engineering Supervisor

January 19, 2007

Figure 1

Spacing Study at Allocation Site

ComStudy 2.2 search of channel 300 (107.9 MHz Class C1) at 43-10-27.0 N, 106-19-24.0 W.

Callsign	State	City	Freq	Chanl	ERP_w	Class	Status	Dist_km	Sep	Clr
KRVK	CO	MIDWEST	107.9	300	100000	C	LIC	47.85	270	-222.1
KRVK	CO	MIDWEST	107.9	300	100000	C1	CP	0.0	245	-245
KPAW	CO	FORT COLLINS	107.9	300	100000	C1	CP	269.88	245	24.9
NEW	WY	CASPER	97.1	246	75	D	APP CP	40.46	0	40.5
K297AV	WY	CASPER	107.3	297	10	D	MOD	47.85	0	47.8
KPAW	CO	FORT COLLINS	107.9	300	0	C1	USE	299.72	245	54.7
KPAW	CO	FORT COLLINS	107.9	300	100000	C1	LIC	299.72	245	54.7
KPAD	WY	WHEATLAND	107.5	298	50000	C2	CP	140.05	79	61
KPAD	WY	WHEATLAND	107.5	298	0	C2	USE	140.05	79	61

Figure 2  
Present CP and Proposed 60 dBu Service

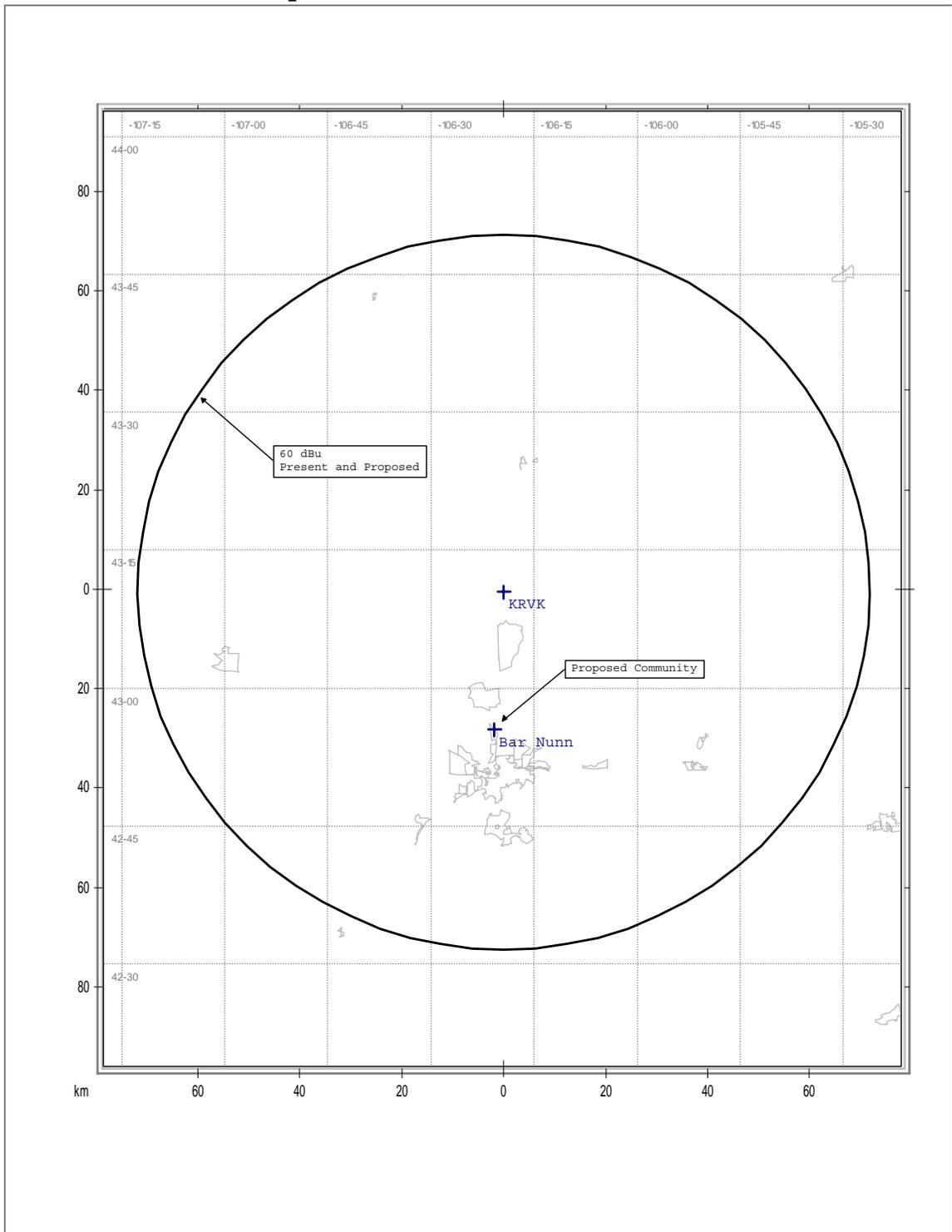


Figure 3  
Present CP and Proposed 70 dBu Service

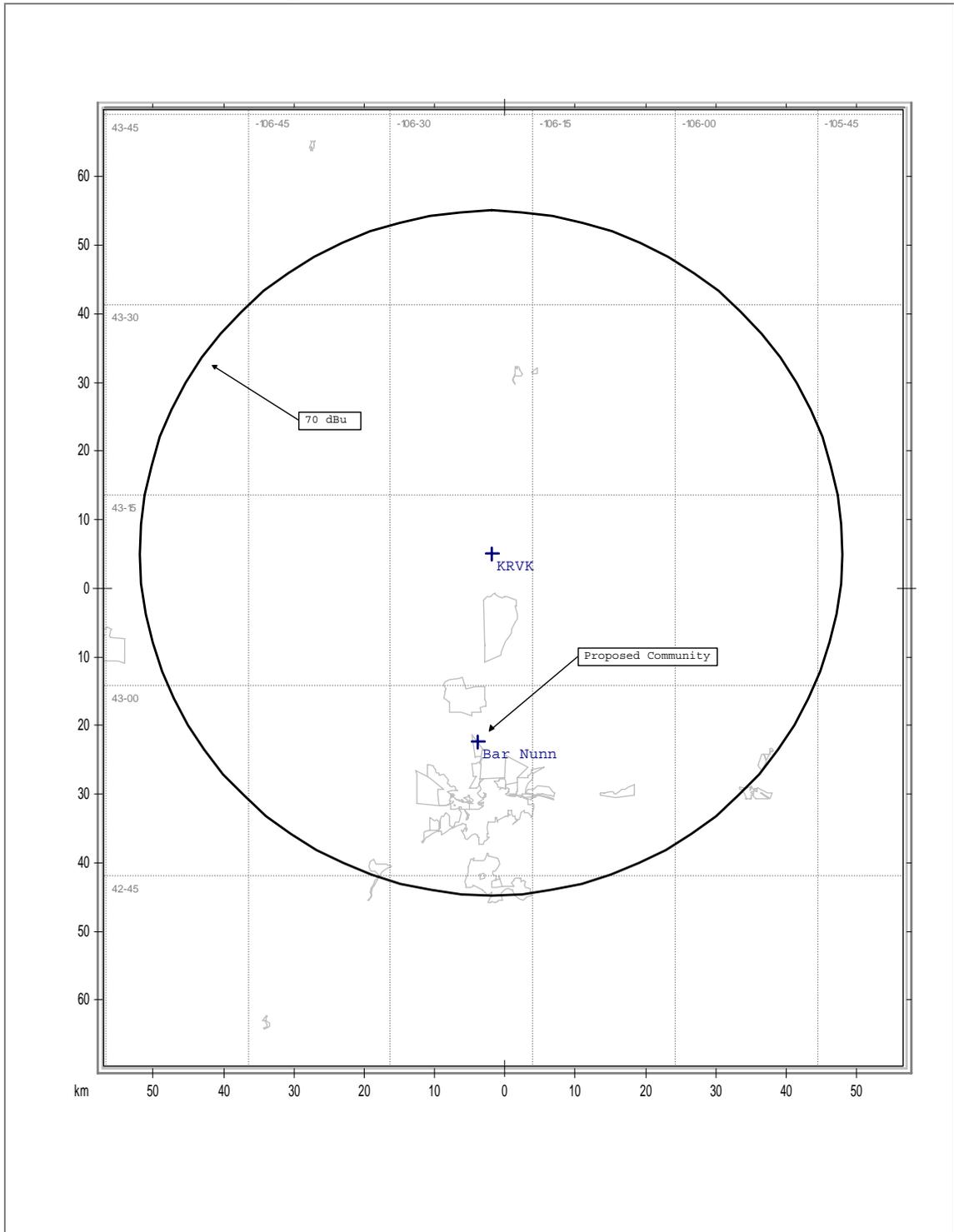
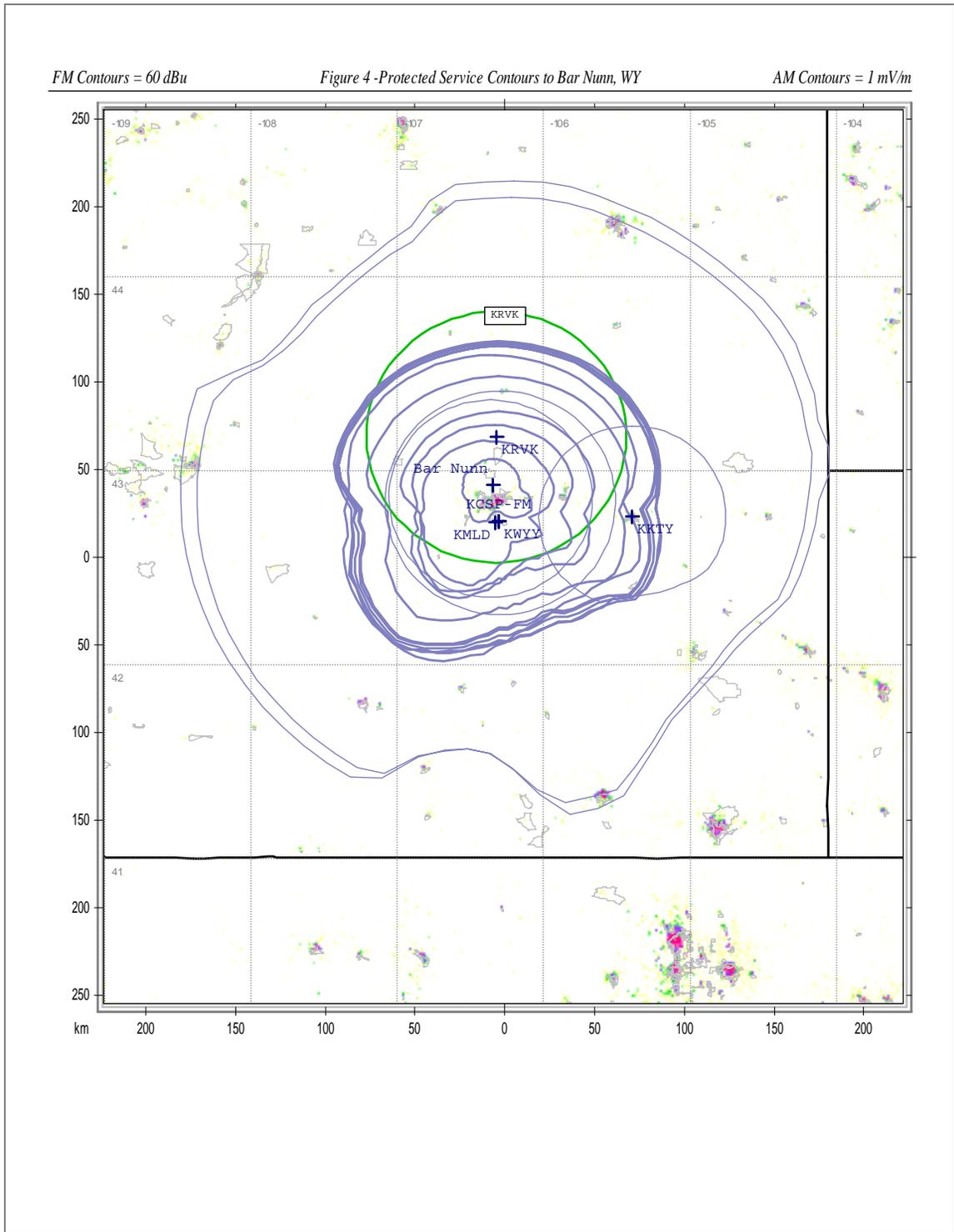


Figure 4  
Map of Protected Service to Proposed Community of License



*Figure 5  
Table of Protected Service to Proposed Community of License*

Count	Calls	Fac ID	Licensee	City	State
1	KRVK	88406	CLEAR CHANNEL BROADCASTING LICENSES, INC.	MIDWEST	WY
2	KLWC	90985	EDUCATIONAL MEDIA FOUNDATION	CASPER	WY
3	KMLD	11927	MT. RUSHMORE BROADCASTING, INC. WESTERN INSPIRATIONAL BROADCASTERS, INC.	CASPER	WY
4	KCSP-FM	71810	MT. RUSHMORE BROADCASTING, INC. CLEAR CHANNEL BROADCASTING LICENSES, INC.	CASPER	WY
5	KASS	43477	MT. RUSHMORE BROADCASTING, INC. CLEAR CHANNEL BROADCASTING LICENSES, INC.	CASPER	WY
6	KTRS-FM	26301	MT. RUSHMORE BROADCASTING, INC. CLEAR CHANNEL BROADCASTING LICENSES, INC.	CASPER	WY
7	KHOC	15925	MT. RUSHMORE BROADCASTING, INC. CLEAR CHANNEL BROADCASTING LICENSES, INC.	CASPER	WY
8	KWYY	26300	MT. RUSHMORE BROADCASTING, INC. CLEAR CHANNEL BROADCASTING LICENSES, INC.	CASPER	WY
9	KQLT	47878	MT. RUSHMORE BROADCASTING, INC. CLEAR CHANNEL BROADCASTING LICENSES, INC.	CASPER	WY
10	KMGW	7360	UNIVERSITY OF WYOMING WYOMING CHRISTIAN BROADCASTING COMPANY	CASPER	WY
11	KUWC	82539	CITICASTERS LICENSES, L.P.	CASPER	WY
12	KUYO	11003	MT. RUSHMORE BROADCASTING, INC. CITICASTERS LICENSES, L.P.	EVANSVILLE	WY
13	KKTL	86873	MT. RUSHMORE BROADCASTING, INC. CITICASTERS LICENSES, L.P.	CASPER	WY
14	KVOC	35861	MT. RUSHMORE BROADCASTING, INC. CITICASTERS LICENSES, L.P.	CASPER	WY
15	KTWO	11924	DOUGLAS BROADCASTING, INC.	CASPER	WY
16	KKTY	38387	DOUGLAS BROADCASTING, INC.	DOUGLAS	WY