

KZMO(FM)
Klein, MT
Proposed Minor Modification
Of Licensed Facility

Application Overview:

KZMO(FM) (FCC Facility ID# 183371) proposes to modify its currently Licensed Facilities and change its Community of License using the following parameters:

Tech Box:

Channel:	260
Class:	C3
Antenna Coordinates:	N46-15-02.7, W108-29-00.2 (NAD 27)
Allotment Ref. Coordinates:	N46-24-10, W108-32-54 (NAD 27)
ASRN:	N/A
Tower Height AGL:	37 m
COR AMSL:	1311 m
COR AGL:	32 m
COR HAAT:	142 m
ERP:	5 kW
Directional Antenna:	No

Allotment Modifications:

Since the instant proposal requests a change in community for KZMO, Exhibit 1 is an allotment reference site channel spacings study for KZMO(FM) on Channel 260C3 at Klein,

MT, demonstrating that the proposed facility is fully spaced pursuant to Section 73.207 towards all other authorizations, allotments, and proposals from the following location:

Allotment Reference Coordinates: N46-24-10, W108-32-54 (NAD 27)

It should also be noted that the proposed Allotment Site is mutually exclusive with the present authorization for KZMO(FM) at Stanford, MT.

Allotment Site City-Grade Coverage:

In accordance with the city grade coverage requirements of Section 73.315, Exhibit 2 demonstrates that the proposed allotment site provides requisite coverage of KZMO(FM)'s community of license – Klein, MT. As can be seen in the Exhibit, 100% of Klein's community boundaries are encompassed by the theoretical 70 dBu, circle contour. Also, no terrain obstructions are located between the antenna site and the community.

Suitable Allotment Reference Site:

In accordance with Note 1 to Section 73.3573, the allotment reference site is located at a suitable location as it is located at the FCC-designated community reference coordinates for Klein, MT.

Antenna Site City-Grade Coverage:

Exhibit 4 demonstrates that the proposed facility's antenna site provides city grade coverage of KZMO(FM)'s community of license – Klein, MT. As can be seen in the Exhibit, 99.7% of Klein's community boundaries and 100% of its population are encompassed by the

F(50,50) 70 dBu contour of the proposed facility. It should also be noted that the proposed Antenna Site is mutually exclusive with the present authorization for KZMO(FM) at Stanford, MT.

Interference Study (Fully Spaced):

Exhibit 5 is a channel spacings study demonstrating that the proposed antenna site is fully spaced towards all applications, authorizations, and permits pursuant to Section 73.207.

Downward Radiation Study (FM Model):

The proposed FM Facility has been evaluated in terms of potential radiofrequency electromagnetic field exposure at ground level in accordance with OET Bulletin No. 65, Evaluating Compliance with FCC Specified Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields (OET Bulletin 65, Second Edition 97-01, August, 1997). The Commission's FM Model Power Density Prediction program was employed to determine the Field. Using the EPA Type 2: Opposed V Dipole antenna with 4 sections and 1 wavelength spacing, and the AGL height and ERP proposed in this application, the highest predicted power density 2 meters above ground is less than 6.9% of the Uncontrolled Standard with a Power Density of 13.7 microwatts per square centimeter 6 meters from the base of the tower.

Even though the site will fully comply with the Uncontrolled Site Standards, access to the transmitting site will be restricted and appropriately marked with warning signs. When it becomes necessary for workers to ascend the tower, appropriate measures, such as reduction or shut down of power if necessary, shall be taken to ensure that the human exposure to radiofrequency radiation will not exceed the FCC guidelines.

Existing Tower:

The proposed facility is exempt from environmental processing because the facility is not located at a location specified in Section 1.1307(a)(1)-(8) of the Commission's Rules and since the tower in question already exists.

Exhibit 1

Allotment Reference Site Channel Spacings Study

ADD 260C3 Klein, MT
Section 73.207 Allotment Spacings Study

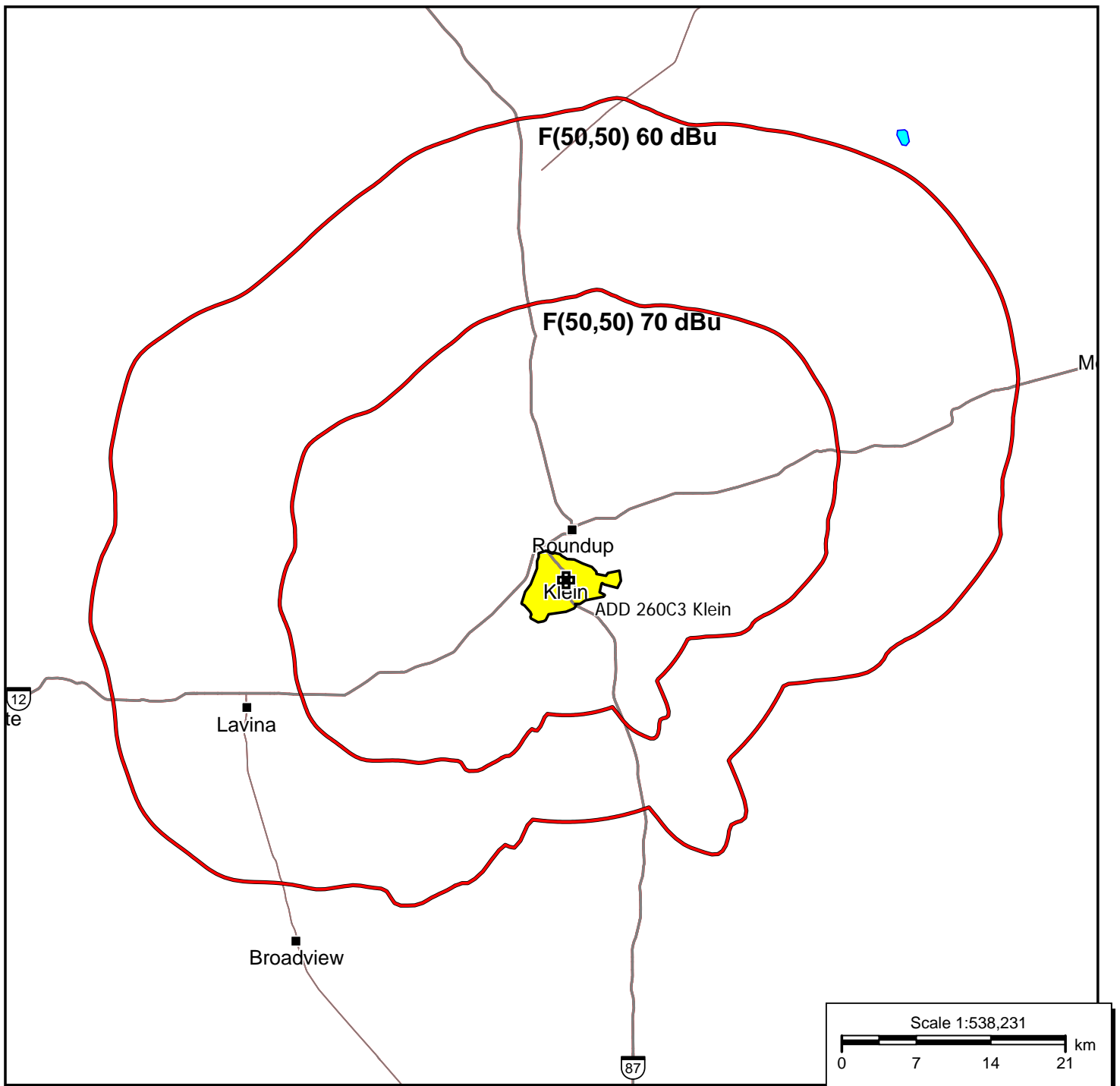
REFERENCE		DISPLAY DATES
46 24 10.0 N.	CLASS = C3 Int = B1	DATA 10-08-16
108 32 54.0 W.	Current Spacings to 3rd Adj.	SEARCH 10-10-16
----- Channel 260 - 99.9 MHz -----		

Call	Channel	Location		Azi	Dist	FCC	Margin	
KZMO	CP	260C1	Stanford	MT	319.3	114.42	210.5	-96.1
KZMO	LIC	261A	Roundup	MT	355.5	7.06	88.5	-81.4
KLMT	CP	207A	Billings	MT	174.2	71.39	11.5	59.9
KLMT	LIC	207A	Billings	MT	174.2	71.43	11.5	59.9

All separation margins include rounding

Exhibit 2

Allotment Reference Site City-Grade Coverage Map

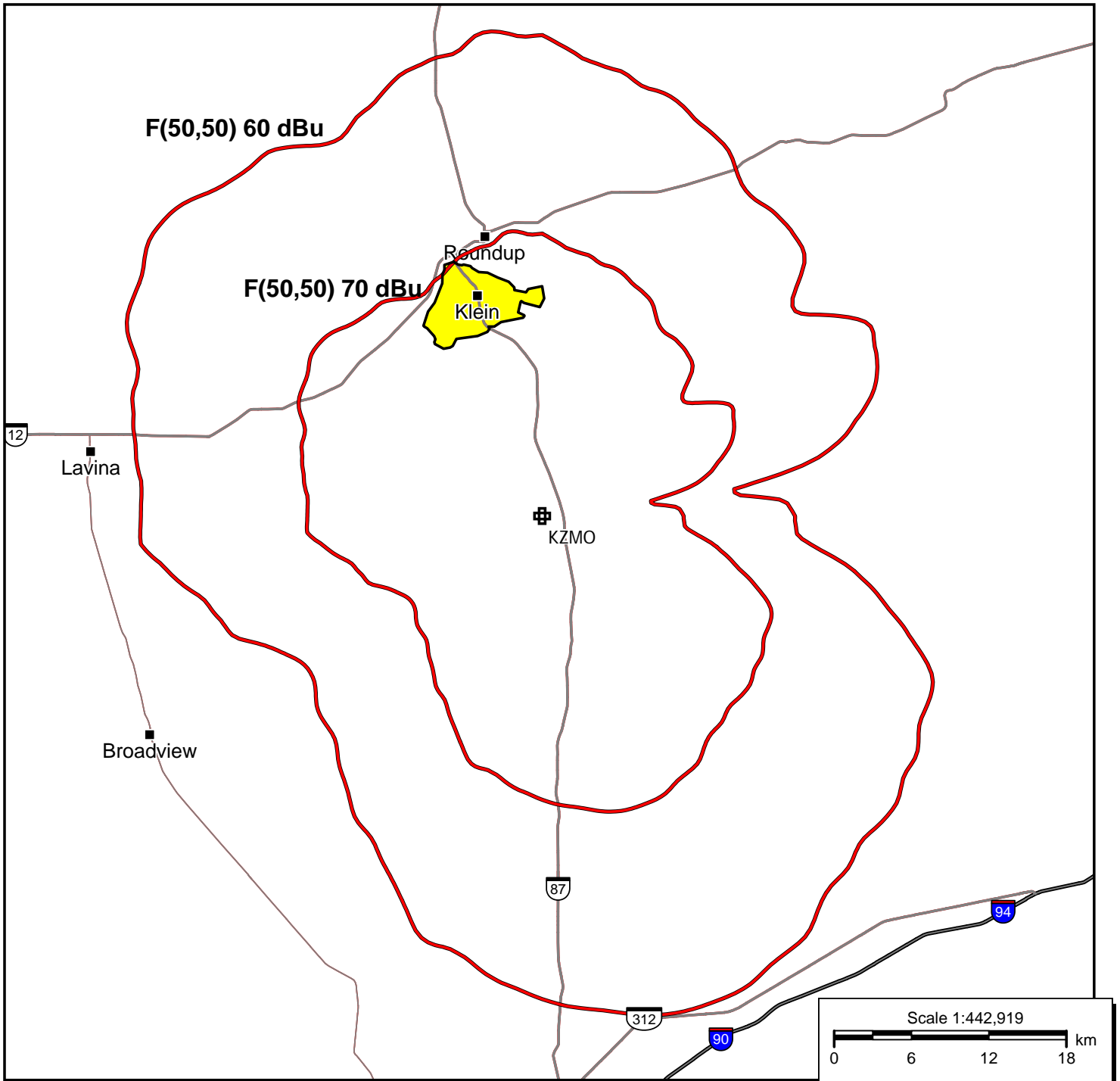
**ADD 260C3 Klein**

Proposed
Channel: 260C3
Frequency: 99.9 MHz
Latitude: 46-24-10 N
Longitude: 108-32-54 W
COR AGL Height: 132.18 m
COR AMSL Height: 1168.18 m
Base Elevation: 1036.0 m
COR HAAT: 100.0 m
ERP: 25.00 kW
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

Exhibit 4

Proposed Antenna Site Contour Map:

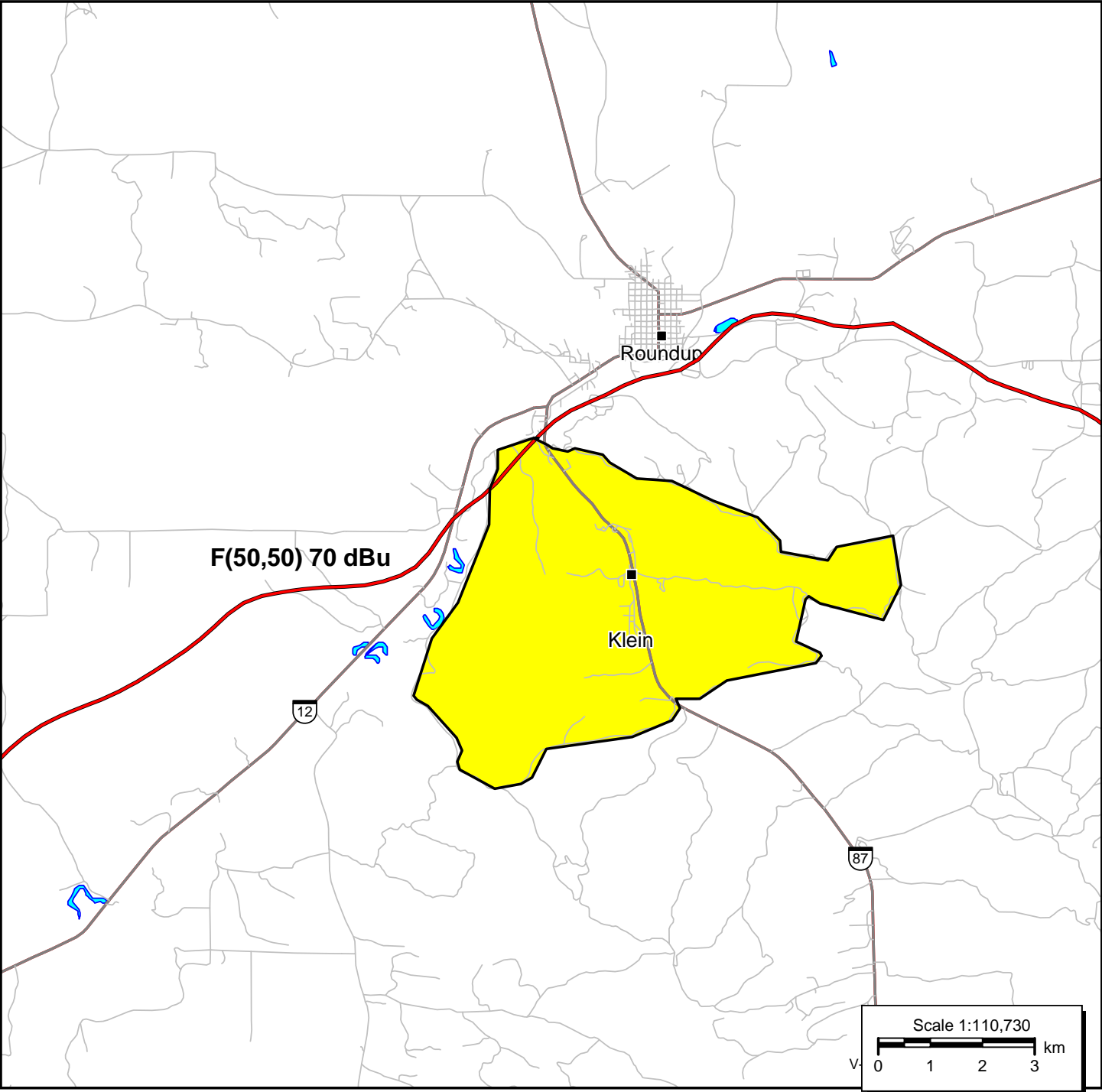
**F(50,50) Protected Contour
F(50,50) City-Grade Contour**

**KZMO**

Proposed
 Channel: 260C3
 Frequency: 99.9 MHz
 Latitude: 46-15-02.70 N
 Longitude: 108-29-00.20 W
 COR AGL Height: 32.0 m
 COR AMSL Height: 1311.0 m
 Base Elevation: 1279.0 m
 COR HAAT: 140.69 m
 ERP: 5.00 kW
 Horiz. Pattern: Omni
 Vert. Pattern: No
 Prop Model: None

Community Coverage:

Geographic Size of Klein:	33.57 sq. km.
F(50,50) 70 dBu Coverage of Klein:	33.37 sq. km. (99.2%)
Population of Klein:	168 persons
F(50,50) 70 dBu Population Coverage:	168 persons (100.0%)



KZMO

Proposed
Channel: 260C3
Frequency: 99.9 MHz
Latitude: 46-15-02.70 N
Longitude: 108-29-00.20 W
COR AGL Height: 32.0 m
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Exhibit 5

Proposed Antenna Site Channel Spacings Study

KZMO(FM) 260C3 Klein, MT
Section 73.207 Antenna Site Spacings Study

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46 15 02.7 N.	CLASS = C3 Int = B1	DATA 10-08-16
108 29 00.2 W.	Current Spacings to 3rd Adj.	SEARCH 10-10-16
----- Channel 260 - 99.9 MHz -----		

Call	Channel	Location	Azi	Dist	FCC	Margin
KZMO	CP 260C1	Stanford	MT 322.5	130.68	210.5	-79.8
KZMO	LIC 261A	Roundup	MT 347.0	24.57	88.5	-63.9
KLMT	CP 207A	Billings	MT 177.7	54.17	11.5	42.7
KLMT	LIC 207A	Billings	MT 177.7	54.21	11.5	42.7
AU9810902	VAC 259C	Meeteetse	WY 187.6	234.64	175.5	59.1
KMXE-FM	LIC 257C1	Red Lodge	MT 209.9	135.11	75.5	59.6

All separation margins include rounding