

KKWY(FM)
Superior, WY
Proposed Minor Modification
Of Permitted Facility

Application Overview:

KKWY(FM) (FCC Facility ID# 164153) proposes to implement MB Docket 05-243 and modify its currently Permitted Facilities using the following parameters:

Tech Box:

Channel:	298
Class:	C1
Antenna Coordinates:	N41-25-28, W109-07-54 (NAD 27)
ASRN:	N/A
Tower Height AMSL:	45.7 m
COR AMSL:	2664 m
COR AGL:	38 m
COR HAAT:	482 m
ERP:	7 kW
Directional Antenna:	No

Antenna Site City-Grade Coverage:

Exhibit 4 demonstrates that the proposed facility's antenna site provides city grade coverage of KKWY(FM)'s community of license – Superior, WY. As can be seen in the Exhibit, 100% of Superior's community boundaries are encompassed by the F(50,50) 70 dBu

contour of the proposed facility. Also, no major terrain obstructions are located between the antenna site and the community.

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 ERI or Jampro "Rototiller" 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 15.7% of the Uncontrolled Standard with a Power Density of 31.3 microwatts per square centimeter 14.8 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:

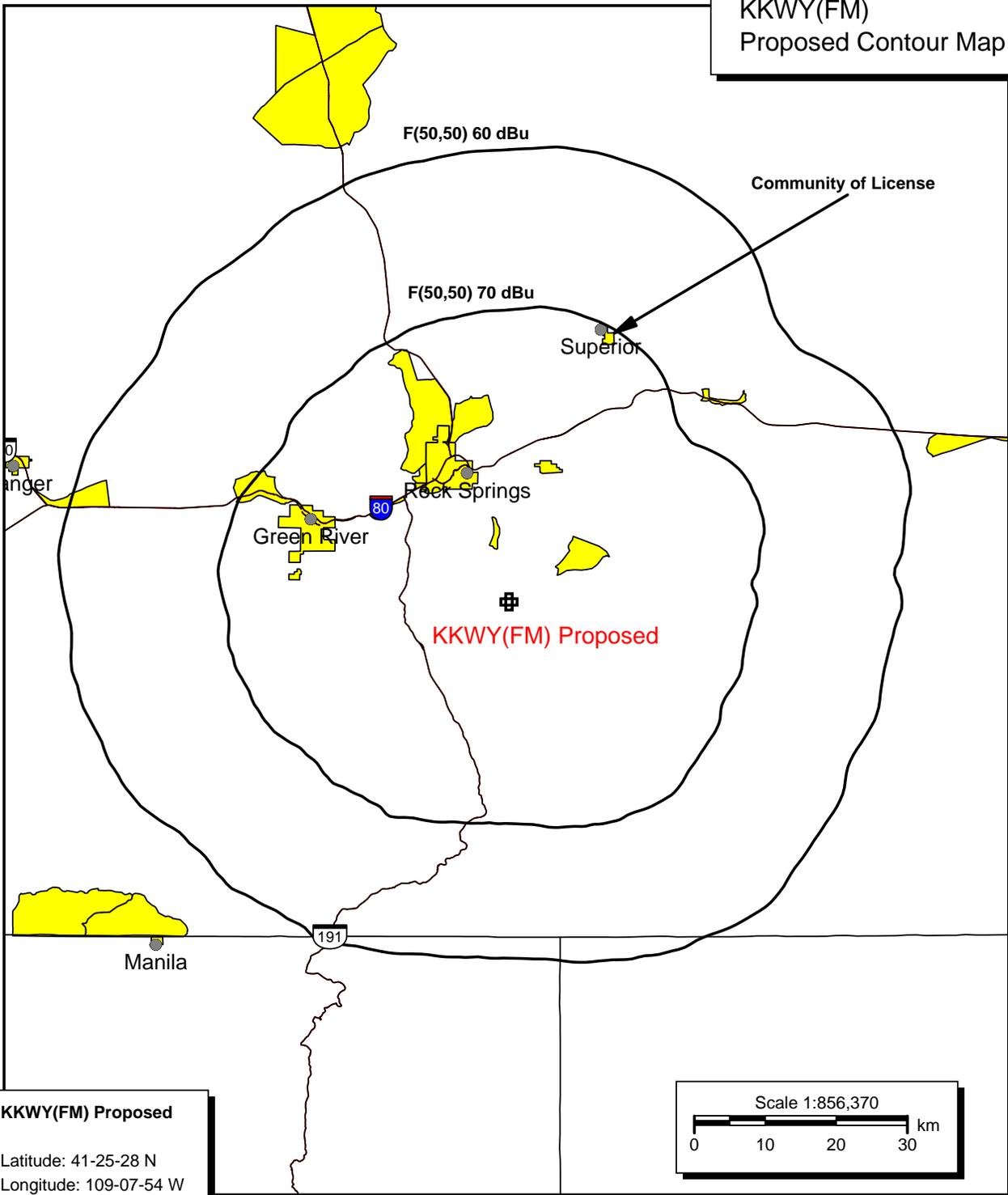
The proposed facility is exempt from environmental processing because the facility is not located at a location specified in Section 1.1307(a)(1)-(8) of the Commission's Rules and since the tower in question already exists.

Exhibit 4

Proposed Antenna Site Contour Map:

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

**KKWY(FM)
Proposed Contour Map**



KKWY(FM) Proposed
Latitude: 41-25-28 N
Longitude: 109-07-54 W
ERP: 7.00 kW
HAAT: 482.16 m
Channel: 298 C1
Frequency: 107.5 MHz
AMSL Height: 2664.0 m
Elevation: 2626.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

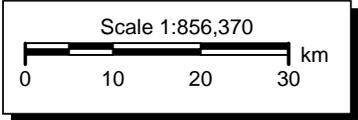


Exhibit 5

Proposed Antenna Site Channel Spacings Study

KKWY(FM) 298C1 Superior, WY
Section 73.207 Antenna Site Spacings Study

REFERENCE	CLASS = C1	DISPLAY DATES
41 25 28.0 N.	Current Spacings	DATA 02-26-08
109 07 54.0 W.	Channel 298 - 107.5 MHz	SEARCH 03-01-08

Call	Channel	Location	Azi	Dist	FCC	Margin
RADD	ADD	298C1 Superior	WY	66.1	0.30	244.5 -244.20
Of Note: Addition of Channel 298C1 at Superior in MB Docket 05-243.						
RADD	ADD	298C Superior	WY	19.2	40.67	269.5 -228.83
Of Note: Proposed (but not adopted) addition of Channel 298C at Superior in MB Docket 05-243.						
KAOX	LIC	297C2 Kemmerer	WY	292.4	123.17	157.5 -34.33
RDEL	DEL	297C2 Kemmerer	WY	292.4	123.17	157.5 -34.33
RDEL	DEL	297C2 Kemmerer	ID	292.4	123.17	157.5 -34.33
Of Note: Channel 297C2 was deleted from Kemmerer in MB Docket 05-243.						
RDEL	DEL	298C Orem	UT	242.6	268.36	269.5 -1.14
KKAT-FM	LIC	298C Orem	UT	242.6	268.36	269.5 -1.14
Of Note: Channel 298C at Orem was delete in MB Docket 05-243.						
KKAT-FM	APP	298C Kaysville	UT	252.7	271.72	269.5 2.22
RADD	ADD	298C Kaysville	UT	252.7	271.73	269.5 2.23
KOZR	LIC	297C2 Hayden	CO	122.5	184.21	157.5 26.71

Note: KKWY(FM) should not commence operations on Channel 298C1 at Superior until KAOX(FM) first discontinues operations on Channel 297C2 at Kemmerer.