

KNJP(FM)
Greybull, WY
Proposed Minor Modification
Of Permitted Facility

Application Overview:

KNJP(FM) (FCC Facility ID# 176113) proposes to modify its currently Permitted Facilities using the following parameters:

Tech Box:

Channel:	203
Class:	A
Antenna Coordinates:	N44-24-48, W107-59-49 (NAD 27)
ASRN:	N/A
Tower Height AMSL:	18 m
COR AMSL:	1404 m
COR AGL:	15 m
COR HAAT:	151 m
ERP:	0.2 kW
Directional Antenna:	No

Antenna Site City-Grade Coverage:

Exhibit 1 demonstrates that the proposed facility's antenna site provides city grade coverage of KNJP(FM)'s proposed community of license – Greybull, WY. As can be seen in the Exhibit, 100% of Greybull's community boundaries are encompassed by the F(50,50) 60 dBu

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

Interference Study:

Exhibit 2 is a contour overlap tabulation study from the proposed KNJP(FM) antenna site. It notes that the proposed KNJP(FM) facility's contours do not prohibitively overlap any other facility.

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 Phelps-Dodge "Ring Stub" Worst Case antenna with 1 sections and Full wavelength spacing, and the AGL height and ERP proposed in this application, the highest predicted power density 2 meters above ground is less than 23.8% of the Uncontrolled Standard with a Power Density of 47.58 microwatts per square centimeter 3.6 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.

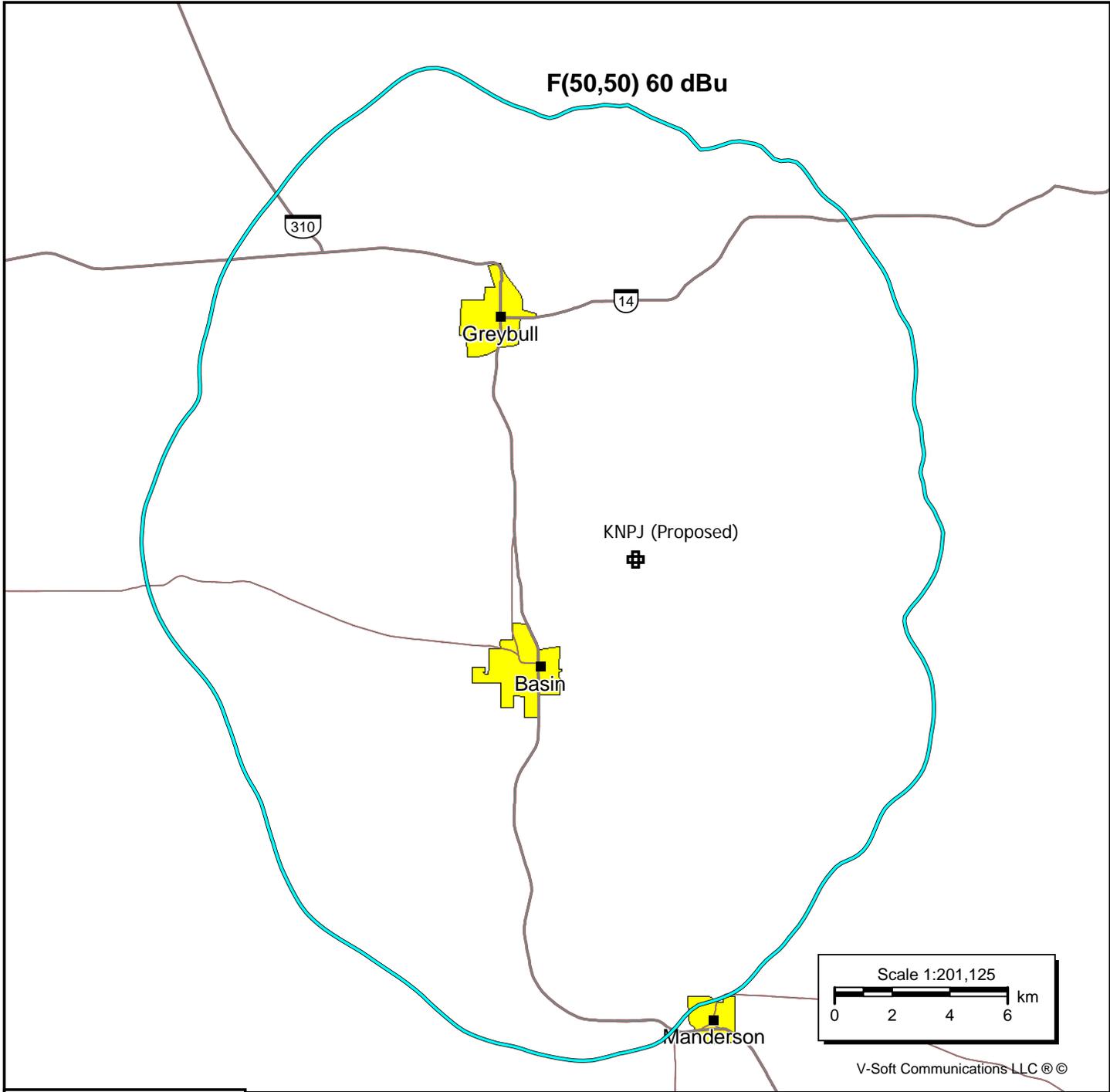
Existing Tower:

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

Proposed Antenna Site Contour Map:

F(50,50) City-Grade Contour



V-Soft Communications LLC ©

KNPJ (Proposed)

Channel: 203A
Frequency: 88.5 MHz
Latitude: 44-24-48 N
Longitude: 107-59-49 W
COR AGL Height: 15.0 m
COR AMSL Height: 1404.0 m
Base Elevation: 1389.0 m
COR HAAT: 151.15 m
ERP: 0.20 kW
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

Exhibit 2

Section 73.509 Contour Overlap Tabulations

KNJP(FM) Greybull, WY 203A

Section 73.509 Overlap Study

REFERENCE CH# 203A - 88.5 MHz, Pwr= 0.2 kW, HAAT= 151.2 M, COR= 1404 M
 44 24 48.0 N.
 107 59 49.0 W.

DISPLAY DATES
 DATA 03-17-13
 SEARCH 03-17-13

Average Protected F(50-50)= 15.02 km
 Omni-directional

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
203C3 Greybull	KNPJ	CP_CX WY		324.5 144.5	0.11 BNPED20071019BDW	44 24 51.0 107 59 52.0	5.000 151	85.5 1404	28.4 Hi-Line Radio Fellowship,	-103.6*<	-85.5*<
206C1 Cody	KNWT	LIC DCX WY		276.1 95.3	92.43 BLED20101013AAK	44 29 46.0 109 09 09.0	18.500 547	7.9 2333	79.1 Northwest Community Colleg	67.4	12.4
204C2 Shoshoni	KUDA	CP_CX WY		180.0 0.0	108.42 BNPED20071022ATC	43 26 15.0 107 59 52.0	1.900 598	68.2 2513	44.8 Wren Communications, Inc.	23.2	38.2
203C2 Billings	KBZR	CP DVX MT		355.7 175.6	147.88 BNPED20071022ALN	45 44 25.0 108 08 18.0	5.300 272	102.7 1375	40.6 Family Stations, Inc.	29.3	56.1
201C3 Powell	KFGR	LIC_CX WY		286.1 105.5	70.50 BLED20091207AAV	44 35 07.0 108 51 01.0	0.600 481	1.6 2011	34.2 Trinity Bible Church	52.4	35.3
06ZT Gillette	K06JM	LI D_N WY		94.6 276.2	184.46 BLTVA20031223ACO	44 15 24.0 105 41 40.0	3.000 150	8.7 1525	8.5 Duhamel Broadcasting Enter	17.3R	167.2M

Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
 Contour distances are on direct line to and from reference station. Reference zone= , Co to 3rd adjacent.

All separation margins (if shown) include rounding

Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C, H, V, E), Beamtilt (Y, N, X)

""affixed to 'IN' or 'OUT' values = site inside protected contour.

< = Station meets FCC minimum distance spacing for its class.

< = Contour Overlap