

KUDI(FM)
Choteau, MT
Proposed Minor Modification
Of Licensed Facility

Application Overview:

KUDI(FM) (FCC Facility ID# 176530) proposes to modify its currently Licensed Facilities using the following parameters:

Tech Box:

Channel:	204
Class:	A
Antenna Coordinates:	N47-49-14, W112-10-06 (NAD 27)
ASRN:	1000713
Tower Height AMSL:	15.2 m
COR AMSL:	3115 m
COR AGL:	14 m
COR HAAT:	13 m
ERP:	0.13 kW
Directional Antenna:	No

Antenna Site City-Grade Coverage:

Exhibit 1 demonstrates that the proposed facility's antenna site provides city grade coverage of KUDI(FM)'s proposed community of license – Choteau, MT. As can be seen in the Exhibit, 100% of Choteau'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 study from the proposed KUDI(FM) antenna site. It notes that the proposed KUDI(FM) facility's contours overlap no other facilities.

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 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 12.1% of the Uncontrolled Standard with a Power Density of 24.2 microwatts per square centimeter 4 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.

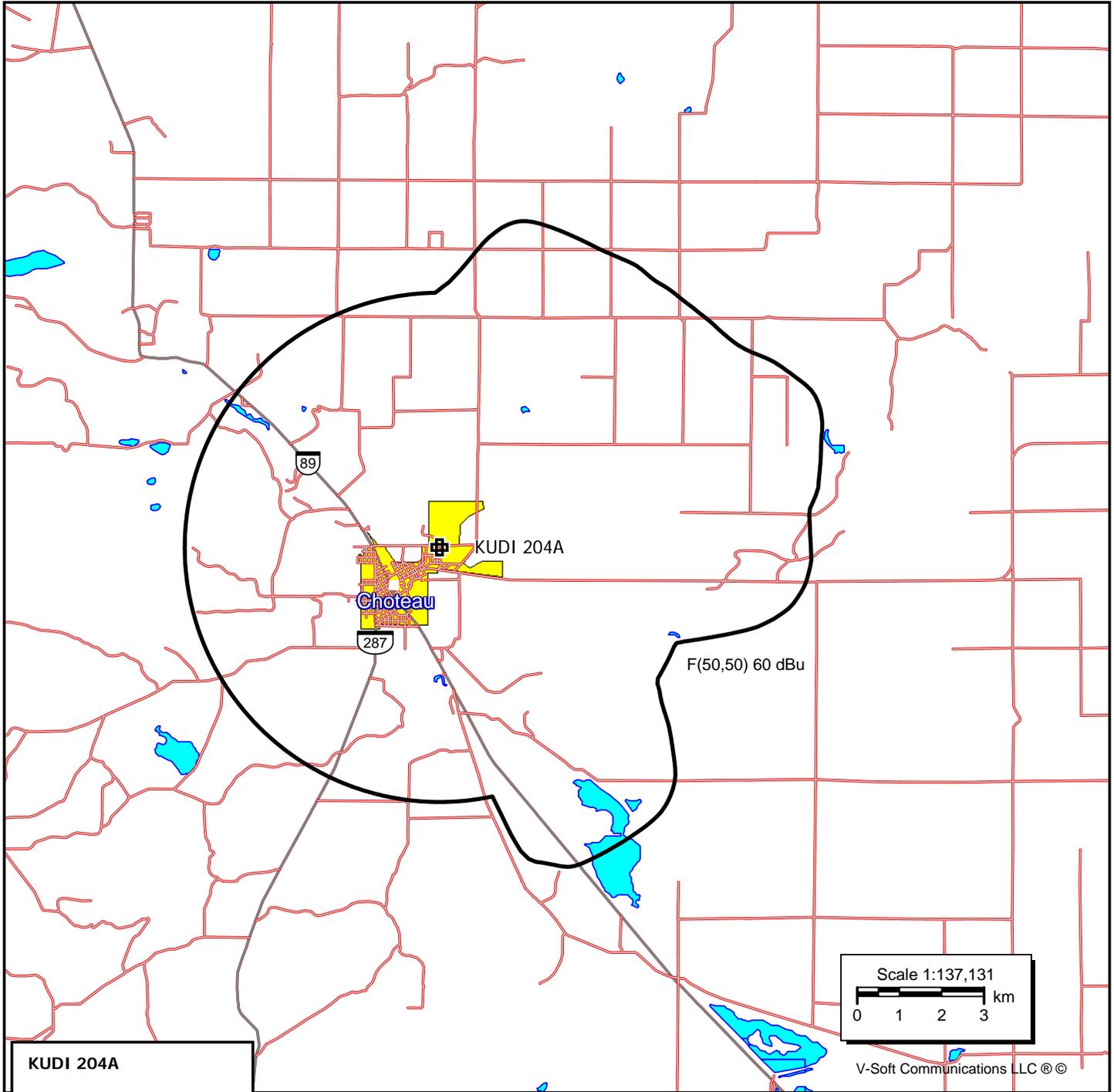
Existing Tower:

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

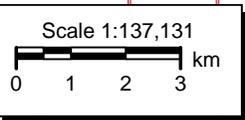
Proposed Antenna Site Contour Map:

F(50,50) City-Grade Contour



KUDI 204A

Channel: 204A
Frequency: 88.7 MHz
Latitude: 47-49-14 N
Longitude: 112-10-06 W
COR AGL Height: 15.0 m
COR AMSL Height: 1213.0 m
Base Elevation: 1198.0 m
COR HAAT: 12.56 m
ERP: 0.13 kW
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None



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Exhibit 2

Section 73.509 Contour Overlap Tabulations

KUDI 204A Choteau, MT

Section 73.509 Contour Overlap Study

REFERENCE
47 49 14.0 N.
112 10 06.0 W.

CH# 204A - 88.7 MHz, Pwr= 0.13 kW, HAAT= 12.6 M, COR= 1213 M
Average Protected F(50-50)= 6.01 km

DISPLAY DATES
DATA 01-14-10
SEARCH 02-05-10

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
204A Choteau	KUDI	LIC	_CX MT	206.4 26.4	1.73 BLED20090817ACZ	47 48 24.0 112 10 43.0	0.110 -36	19.1 1168	5.8 New Life Assembly Church	-23.37*	-24.04*
204C1 Kalispell	KLKM	LIC	_CX MT	278.3 96.6	165.73 BLED20091013AAJ	48 00 47.0 114 22 01.0	2.800 821	146.9 2048	65.7 Educational Media Foundati	12.81	80.02
203C1 Helena	1300393	APP	DVX MT	185.9 5.8	119.89 BNPED20071022APB	46 44 52.0 112 19 47.0	5.000 584	97.1 2260	65.9 Last Chance Public Radi o A	16.77	45.40
205A Great Falls	KGFC	LIC	_CX MT	122.7 303.3	72.82 BLED20090923AAB	47 27 52.4 111 21 17.8	6.000 74	38.8 1142	25.2 Hi-line Radio Fellowshi p,	27.88	38.77
06 2C Butte	KTVM-T	AP	_HN MT	186.0 5.8	202.63 BDSTA20090812ABD	46 00 27.0 112 26 30.0	19.200 591	2566	107.0 Bl uestone Li cense Hol di ngs	114.5R	88.2M
06 2C Butte	KTVM-T	AP	_HN MT	186.0 5.8	202.63 BDSTA20090624ADQ	46 00 27.0 112 26 30.0	19.200 591	2566	107.0 Bl uestone Li cense Hol di ngs	114.5R	88.2M
06 2C Butte	KTVM-T	CP	_HN MT	186.0 5.8	202.63 BPCDT20080314ADF	46 00 27.0 112 26 30.0	11.200 591	2566	100.5 Bl uestone Li cense Hol di ngs	108.0R	94.7M
06 2C Butte	KTVM-T	AP	_HN MT	186.0 5.8	202.63 BDSTA20090330AHI	46 00 27.0 112 26 30.0	11.200 591	2566	100.5 Bl uestone Li cense Hol di ngs	108.0R	94.7M

Terrain database is NGDC 30 SEC Distance + R = FCC Required Spacings in KM, Distance + M = Margin in KM
ERP and HAAT are on direct line to and from reference station.
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.