

Technical Exhibit
Minor Modification to K203DU
Williston, ND
92 Watts

TABLE OF CONTENTS

	Technical Statement
Figure 1	Interference Study Table

A new construction permit on channel 204 in Williston requires the modification of K203DU to avoid unacceptable interference to the new station. This modification is being submitted to modify K203DU to channel 206 to avoid unacceptable interference with the Williston CP utilizing D/U ratios. It is also being submitted with respect to KPPR on channel 208, based upon D/U ratios.

The only parameter of the facility which would change from the current license is the change to channel 206. All other parameters of the current license will remain.

Figure 1 shows the Proposed facility conforms to contour overlap restrictions with respect to all full service and secondary facilities with the exception of the Williston 204C1 permit and KPPR. The requested authorization of the move to channel 206 is based upon the D/U ratios of Section 73.525 and the lack of unacceptable interference to these facilities.

Williston 204C1 (BNPED20071017ADP)

This facility is co-located with the Proposed. Its Effective radiated Power is 50 kW (16.989 dBk). The Effective Radiated Power of the Proposed is 92 watts (-10.363 dBk).

The Proposed cannot produce a signal that is greater than 40 dBu above that of Williston 204C1.

KPPR

KPPR is co-located with the Proposed. Its Effective Radiated Power is 10.5 kW (10.211 dBk). The Effective Radiated Power of the Proposed is 92 watts (-10.363 dBk).

The Proposed cannot produce a signal that is greater than 40 dBu above that of KPPR.

Unattended Operation

The instant application proposes unattended operation and will comply with the requirements of 47 C.F.R. Section 73.1234(a)(1-4)

RF Electromagnetic Exposure Analysis

Using a worst case assumption of maximum downward radiation (F=1.0) the RF exposure at 2m above ground level is $0.79774 \mu\text{W}/\text{cm}^2$ or 0.1% of the controlled standard. This is inconsequential when added to the RF of KPPR and other future sources on the tower.

The tower is fenced with RF warning signs. The power will be reduced or shut off to allow necessary access to the tower.

Figure 1

Minor Modification to K203DU

REFERENCE
48 08 30.0 N.
103 53 34.0 W.

CH# 206D - 89.1 MHz, Pwr= 0.092 kW DA, HAAT= 102.4 M, COR= 764 M
Average Protected F(50-50)= 5.52 km
Standard Directional

DISPLAY DATES
DATA 07-10-10
SEARCH 08-10-10

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*
203D Williston	K203DU	LIC ND	DV_	0.0 0.0	0.0 BMLFT20060616ABI	48 08 30.0 103 53 34.0	0.092 764	0.5	7.3 Horizon Christian Fellowsh	-7.8*<	-7.8*<
204C1 Williston	NEW	CP ND	_CX	0.0 0.0	0.0 BNPED20071017ADP	48 08 30.0 103 53 34.0	50.000 237	6.8 896	57.2 Prairie Public Broadcastin	-14.1*<	-57.7*<
208C3 Williston	KPPR	LIC ND	_CN	0.0 0.0	0.0 BLED19861125KB	48 08 30.0 103 53 34.0	10.500 150	3.4 811	34.2 Prairie Public Broadcastin	-10.7*<	-34.7*<
06NT Circle, Etc.	K06KY	LI MT	DHN	230.6 49.5	148.9 BLTTV19830614IB	47 17 00.0 105 24 55.0	0.098 252	0.5 1070	34.2 Circle Tv Booster Club, In	136.5R	12.4M
206D Watford City	K206BV	LIC ND	_CN	131.5 311.9	59.0 BLFT19980929TD	47 47 23.0 103 18 08.0	0.171 45	21.5 723	6.4 American Family Associatio	25.3	11.9
06NT Wolf Point	K06AV	LI MT	DHN	269.3 87.9	134.2 BLTTV118	48 06 44.0 105 41 42.0	0.006 82	4.3 694	3.8 Wolf Point Tv District	136.5R	-2.3M

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 = 2, Co to 3rd adjacent.
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.
"<" = Contour Overlap