

Gray Frierson Haertig & Assoc.
Portland, Oregon

Montana State University - Billings
Billings, Montana

REFERENCE
48 06 08.0 N.
105 38 57.0 W.

CH# 202A - 88.3 MHz, Pwr= 0.5 kW, HAAT= 3.0 M, COR= 661 M
Average Protected F(50-50)= 8.5 km

DISPLAY DATES
DATA 11-10-07
SEARCH 11-13-07

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* (Overlap in km)
204A Wolf Point	AP5362	APP MT	_CX	0.0 0.0	0.00 BNPED20071019AMB	48 06 08.0 105 38 57.0	0.500 3	1.6 661	8.5 Montana State University -	-10.07*<	-10.07*<
204C1 Williston	AP1229	APP ND	_CX	87.4 268.7	130.84 BNPED20071017ADP	48 08 30.0 103 53 34.0	50.000 171	6.2 841	54.0 Prairie Public Broadcastin	113.41	75.31
202B Estevan	AL9109	AL SK	---	48.4 230.1	222.39	49 24 18.0 103 21 14.0	50.000 150	137.7 150	65.1	76.16	112.00
201A Glendive	AP6603	APP MT	_CX	149.6 330.2	129.23 BNPED20000419ABY	47 05 50.0 104 47 09.0	5.000 21	22.4 740	15.0 Friends Of Christian Radio	98.34	102.24
3/20/2007: Accepted on channel 201A by Canada in 3/6/2007 letter, not specially negotiated.											
201C1 Fort Belknap Agency	KGVA	LIC MT	_CN	273.6 91.3	227.98 BLED19960910KB	48 11 18.0 108 42 36.0	95.000 243	102.5 1132	70.3 Fort Belknap College	117.02	145.69
Accepted as Class C by Canada on 930408											
203C3 Miles City	AP4116	APP MT	_CX	183.6 3.5	191.41 BNPED20071022BGS	46 23 02.0 105 48 22.1	25.000 64	62.9 852	41.4 Miles City Seventh-day Adv	119.98	137.98

Terrain database is USGS 03 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.
"<" = Contour Overlap