

FM Interference Study

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Heights are displayed in meters and distances are shown in kilometers.

Job title: Poplar Translator

Latitude: N 48° 17' 18.0"

Channel: 299FT (107.7 MHz)

Longitude: W 105° 15' 12.0"

Database: DW 8/18/2003 5:38:30 PM, FCC

Safety zone: 26.0

ERP: 0.1 kW

HAAT: 98.2

Call	Auth	City of license	St	Chan	HAAT	ERP	Latitude	Br-to	Dist	Req
File Number		(Licensee)		Freq	HAMSL	(kW)	Longitude	-from	diff	status
KYYX	Lic	Minot	ND	246 C	300.2	100 H	N 48° 03' 02.0"	93.74783	292.2	18.2
BLH-19880919KB				97.1	903.7	100 V	W 101° 20' 29.0"	276.6632	274.0	CLEAR

- Licensee: Clear Channel Broadcasting Licenses, Inc.

Proposed 299FT 91 dBuV/m F(50,10) Ix contour = 1.2

KYYX 246C 91 dBuV/m F(50,50) Svc contour = 17.0

K296BW	Lic	Glasgow	MT	296 FT		0.007 H	N 48° 12' 18.0"	265.2457	101.4	8.8
BLFT-19820409IC				107.1	730.0	V	W 106° 36' 44.0"	84.2319	92.5	CLEAR

- Licensee: Wolf Point Broadcasting Company, Inc

- Primary station: KVCK-FM Wolf Point, MT; **Assumed** HAAT: 32 m

Proposed 299FT 100 dBuV/m F(50,10) Ix contour = 0.5

K296BW 296FT 60 dBuV/m F(50,50) Svc contour = 3.0

Proposed 299FT 60 dBuV/m F(50,50) Svc contour = 8.6

K296BW 296FT 100 dBuV/m F(50,10) Ix contour = 0.2

ALLOC	Estevan	SA	298 C	0.0	0 H	N 49° 08' 00.0"	59.7219	191.7	145.2
			107.5	0.0	0 V	W 102° 59' 00.0"	241.4277	46.5	CLEAR

- **Assumed** ERP: 100 kW; HAAT: 600 m

Proposed 299FT 48 dBuV/m F(50,10) Ix contour = 17.8

ALLOC 298C 54 dBuV/m F(50,50) Svc contour = 107.5

Proposed 299FT 60 dBuV/m F(50,50) Svc contour = 8.6

ALLOC 298C 54 dBuV/m F(50,10) Ix contour = 136.6

NEW-T	App	Poplar	MT	299 FT		H	N 48° 17' 18.0"	0	0.0	33.6
BPFT-20030313AMD				107.7	809.0	0.05 V	W 105° 15' 12.0"	0	-33.6	SHORT

- Licensee: Hi-Line Radio Fellowship, Inc.

- **Assumed** HAAT: 32 m

Proposed 299FT 40 dBuV/m F(50,10) Ix contour = 28.7

NEW-T 299FT 60 dBuV/m F(50,50) Svc contour = 4.9

Proposed 299FT 60 dBuV/m F(50,50) Svc contour = 8.6

NEW-T 299FT 40 dBuV/m F(50,10) Ix contour = 15.5

ALLOC	Regina	SA	300 C	0.0	0 H	N 50° 25' 00.0"	10.23417	240.7	145.2
			107.9	0.0	0 V	W 104° 39' 00.0"	190.692	95.5	CLEAR

- **Assumed** ERP: 100 kW; HAAT: 600 m

Proposed 299FT 48 dBuV/m F(50,10) Ix contour = 17.8

ALLOC 300C 54 dBuV/m F(50,50) Svc contour = 107.5

Proposed 299FT 60 dBuV/m F(50,50) Svc contour = 8.6

ALLOC 300C 54 dBuV/m F(50,10) Ix contour = 136.6

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