

# Hi-Line Radio Fellowship Havre, Montana

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Friday, June 20, 2008

## BIAfn/Dataworld FM Interference Study

### Title: Boulder Montana

Channel: 300 FT (107.9 MHz)      ERP: 0.019 kW      HAAT: 46.0 m  
Database: FCC 6/20/2008 12:00:00 AM

Latitude: N 46° 19' 51.7"  
Longitude: W 112° 06' 16.4"  
Safety Zone: 26.0 km

Call	Auth	Licensee name	Chan	HAAT(m)	ERP	Latitude	Br-to	Dist	Req	
City of License		St	FCC File Number	Freq	HAMSL(m)	(kW)	Longitude	-from	(km)	(km)
K246BA	LIC	RADIO ASSIST MINISTRY, INC.	246 D				N 45° 46' 26.0"	132.0	92.18	1.327
BOZEMAN		MT	BLFT-20070925AFF	97.1	1359.0	0.01 V	W 111° 13' 20.0"	312.6	90.86	CLEAR
Primary station: KGCM BELGRADE, MT; <b>Assumed HAAT: 30 m</b>										
Proposed Channel 300 FT 91 dBuV/m F(50,10) Interfering contour = 0.8 km					K246BA Channel 246 D 91 dBuV/m F(50,50) Service contour = 0.5 km					
NEW	APP	HARLAN COMMUNICATIONS CORP.	297 D				N 45° 38' 15.0"	139.7	100.7	4.978
AMSTERDAM		MT	BNPFT-20030314ASH	107.3	1727.0	0.023 V	W 111° 16' 04.0"	320.3	95.75	CLEAR
DA: SCA CL-FM(V) @ 330.0°; Primary station: KBZM BIG SKY, MT; <b>Assumed HAAT: 30 m</b>										
Proposed Channel 300 FT 100 dBuV/m F(50,10) Interfering contour = 0.3 km					NEW Channel 297 D 60 dBuV/m F(50,50) Service contour = 4.0 km					
Proposed Channel 300 FT 60 dBuV/m F(50,50) Service contour = 4.6 km					NEW Channel 297 D 100 dBuV/m F(50,10) Interfering contour = 0.3 km					
KENR-FM1	LIC	GAP BROADCASTING MISSOULA LICENS	298 D			0.63 H	N 46° 48' 08.0"	290.8	152.5	9.419
MISSOULA		MT	BLFTB-20011119ABC	107.5	1896.0	0.63 V	W 113° 58' 21.0"	109.5	143.1	CLEAR
DA: SCA CA2-CP @ 315.0°; Primary station: KENR SUPERIOR, MT; <b>Assumed HAAT: 30 m</b>										
Proposed Channel 300 FT 100 dBuV/m F(50,10) Interfering contour = 0.3 km					KENR-FM1 Channel 298 D 60 dBuV/m F(50,50) Service contour = 9.1 km					
Proposed Channel 300 FT 60 dBuV/m F(50,50) Service contour = 4.6 km					KENR-FM1 Channel 298 D 100 dBuV/m F(50,10) Interfering contour = 0.9 km					
K299AV	LIC	HI-LINE RADIO FELLOWSHIP, INC.	299 D				N 46° 16' 40.0"	97.7	43.11	10.02
TOWNSEND		MT	BLFT-20070820AAI	107.7	1522.0	0.015 V	W 111° 33' 01.0"	278.1	33.09	CLEAR
Primary station: KVCM HELENA, MT; <b>Assumed HAAT: 30 m</b>										
Proposed Channel 300 FT 54 dBuV/m F(50,10) Interfering contour = 6.5 km					K299AV Channel 299 D 60 dBuV/m F(50,50) Service contour = 3.6 km					
Proposed Channel 300 FT 60 dBuV/m F(50,50) Service contour = 4.6 km					K299AV Channel 299 D 54 dBuV/m F(50,10) Interfering contour = 5.0 km					
KMTZ	CP	SHEILA CALLAHAN AND FRIENDS, INC	299 C1	251.0	100 H		N 45° 38' 16.0"	139.7	100.7	104.9
THREE FORKS		MT	BMPH-20070119AAD	107.7	1799.0	100 V	W 111° 16' 05.0"	320.3	-4.19	SHORT
Proposed Channel 300 FT 54 dBuV/m F(50,10) Interfering contour = 6.5 km					KMTZ Channel 299 C1 60 dBuV/m F(50,50) Service contour = 68.3 km					
Proposed Channel 300 FT 60 dBuV/m F(50,50) Service contour = 4.6 km					KMTZ Channel 299 C1 54 dBuV/m F(50,10) Interfering contour = 100.2 km					
KMTZ	USE	SHEILA CALLAHAN AND FRIENDS, INC	299 C1				N 45° 38' 16.0"	139.7	100.7	109.6
THREE FORKS		MT		107.7			W 111° 16' 05.0"	320.3	-8.94	SHORT
<b>Assumed ERP: 100 kW; HAAT: 299 m</b>										
Proposed Channel 300 FT 54 dBuV/m F(50,10) Interfering contour = 6.5 km					KMTZ Channel 299 C1 60 dBuV/m F(50,50) Service contour = 72.3 km					
Proposed Channel 300 FT 60 dBuV/m F(50,50) Service contour = 4.6 km					KMTZ Channel 299 C1 54 dBuV/m F(50,10) Interfering contour = 105.0 km					
NEW	APP	HI-LINE RADIO FELLOWSHIP, INC.	300 D				N 46° 15' 34.0"	204.7	8.764	17.69
BOULDER		MT	BNPFT-20030313BFZ	107.9	1814.0	0.01 V	W 112° 09' 08.0"	24.7	-8.92	SHORT
Primary station: KVCM HELENA, MT; <b>Assumed HAAT: 30 m</b>										
Proposed Channel 300 FT 40 dBuV/m F(50,10) Interfering contour = 14.5 km					NEW Channel 300 D 60 dBuV/m F(50,50) Service contour = 3.2 km					
Proposed Channel 300 FT 60 dBuV/m F(50,50) Service contour = 4.6 km					NEW Channel 300 D 40 dBuV/m F(50,10) Interfering contour = 10.2 km					

>> End of channel 300 FT study <<