

# Hi-Line Radio Fellowship Havre, Montana

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Friday, June 20, 2008

## BIAfn/Dataworld FM Interference Study

### Title: Kellogg, Idaho

Channel: 287 FT (105.3 MHz) ERP: 0.002 kW HAAT: 785.0 m  
Database: FCC 6/20/2008 12:00:00 AM

Latitude: N 47° 29' 32.0"  
Longitude: W 116° 08' 33.0"  
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)	Longitude	-from	(km)	(km)
KHTQ	USE	QUEENB RADIO, INC.	233 C			N 47° 43' 54.0"	301.4	51.57	24.69
HAYDEN		ID	94.5			W 116° 43' 48.0"	120.9	26.89	CLEAR

Specially negotiated short spaced allotment ltd. to ERP 20kw HAAT 461m on the 19 degree azimuth towards Moyie, BC.-Accepted by Canada 91060;

#### Assumed ERP: 100 kW; HAAT: 600 m

Proposed Channel 287 FT 91 dBuV/m F(50,10) Interfering contour = 0.3 km

KHTQ Channel 233 C 91 dBuV/m F(50,50) Service contour = 24.4 km

K234AD	LIC	RURAL OREGON WIRELESS TELEVISION	234 D	491.0	0.01 H	N 45° 23' 58.0"	202.7	251.5	0.892
ENTERPRISE		OR BLFT-19950615TD	94.7	2103.0	0.01 V	W 117° 23' 16.0"	21.8	250.7	CLEAR

Translator for KMBI, Spokane, WA; DA: ODD ODD940808TA @ 0.0°; Primary station: KMBI-FM SPOKANE, WA

Proposed Channel 287 FT 91 dBuV/m F(50,10) Interfering contour = 0.3 km

K234AD Channel 234 D 91 dBuV/m F(50,50) Service contour = 0.6 km

NEW			284 C			N 49° 27' 34.0"	9.6	222.0	107.7
CRANBROOK		BC	104.7			W 115° 37' 44.0"	190.0	114.3	CLEAR

Specially negotiated, short-spaced allotment-Accepted by Commission 94090; **Assumed ERP: 100 kW; HAAT: 600 m**

Proposed Channel 287 FT 94 dBuV/m F(50,10) Interfering contour = 0.2 km

NEW Channel 284 C 54 dBuV/m F(50,50) Service contour = 107.5 km

Proposed Channel 287 FT 60 dBuV/m F(50,50) Service contour = 8.3 km

NEW Channel 284 C 100 dBuV/m F(50,10) Interfering contour = 13.7 km

RSV			285 C2			N 47° 34' 45.0"	276.8	87.44	52.29
SPOKANE		WA RM-9269	104.9			W 117° 17' 48.0"	95.9	35.15	CLEAR

Accepted 30 August 2000 by Canada on Channel 285 as a Class B allotment; **Assumed ERP: 50 kW; HAAT: 150 m**

KEEH	USE	UPPER COLUMBIA MEDIA ASSOCIATION	285 C1			N 47° 38' 44.0"	281.6	88.26	72.40
SPOKANE		WA	104.9			W 117° 17' 36.0"	100.7	15.86	CLOSE

#### Assumed ERP: 100 kW; HAAT: 299 m

Proposed Channel 287 FT 100 dBuV/m F(50,10) Interfering contour = 0.1 km

KEEH Channel 285 C1 60 dBuV/m F(50,50) Service contour = 72.3 km

Proposed Channel 287 FT 60 dBuV/m F(50,50) Service contour = 8.3 km

KEEH Channel 285 C1 100 dBuV/m F(50,10) Interfering contour = 10.1 km

K286BH	LIC	HI-LINE RADIO FELLOWSHIP, INC.	286 D			N 47° 27' 22.0"	96.0	37.38	17.07
MULLAN		ID BLFT-20071019ARP	105.1	1853.0	0.005 V	W 115° 38' 58.0"	276.4	20.31	CLEAR

Primary station: KPLG PLAINS, MT; **Assumed HAAT: 30 m**

Proposed Channel 287 FT 54 dBuV/m F(50,10) Interfering contour = 14.3 km

K286BH Channel 286 D 60 dBuV/m F(50,50) Service contour = 2.8 km

Proposed Channel 287 FT 60 dBuV/m F(50,50) Service contour = 8.3 km

K286BH Channel 286 D 54 dBuV/m F(50,10) Interfering contour = 3.8 km

NEW	APP	HI-LINE RADIO FELLOWSHIP, INC.	287 D			N 47° 31' 25.0"	318.7	4.652	42.82
KELLOGG		ID BNPFT-20030317CDJ	105.3	919.0	0.025 V	W 116° 11' 00.0"	138.7	-38.2	SHORT

Primary station: KPLG PLAINS, MT; **Assumed HAAT: 30 m**

Proposed Channel 287 FT 40 dBuV/m F(50,10) Interfering contour = 38.8 km

NEW Channel 287 D 60 dBuV/m F(50,50) Service contour = 4.1 km

Proposed Channel 287 FT 60 dBuV/m F(50,50) Service contour = 8.3 km

NEW Channel 287 D 40 dBuV/m F(50,10) Interfering contour = 12.7 km

DKERT	USE	CCR-MISSOULA IV, LLC	288 C3			N 47° 01' 45.0"	115.7	116.9	68.50
ALBERTON		MT RM-9637	105.5			W 114° 45' 20.0"	296.7	48.42	CLEAR

Accepted by Canada on 990713 as a Class; **Assumed ERP: 25 kW; HAAT: 100 m**

Proposed Channel 287 FT 54 dBuV/m F(50,10) Interfering contour = 14.3 km

DKERT Channel 288 C3 60 dBuV/m F(50,50) Service contour = 39.1 km

Proposed Channel 287 FT 60 dBuV/m F(50,50) Service contour = 8.3 km

DKERT Channel 288 C3 54 dBuV/m F(50,10) Interfering contour = 60.2 km

KZBD	USE	MAPLETON LICENSE OF SPOKANE, LLC	289 C			N 47° 34' 44.0"	276.8	87.39	91.92
SPOKANE		WA	105.7			W 117° 17' 46.0"	95.9	-4.52	SHORT

Coordinates updated from LIC record BLH830830A; **Assumed ERP: 100 kW; HAAT: 600 m**

Proposed Channel 287 FT 100 dBuV/m F(50,10) Interfering contour = 0.1 km

KZBD Channel 289 C 60 dBuV/m F(50,50) Service contour = 91.8 km

Proposed Channel 287 FT 60 dBuV/m F(50,50) Service contour = 8.3 km

KZBD Channel 289 C 100 dBuV/m F(50,10) Interfering contour = 13.7 km

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Latitude: N 47° 29' 32.0"  
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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)
KZBD	LIC	MAPLETON LICENSE OF SPOKANE, LLC	289 C	582.0	100 H	N 47° 34' 44.0"	276.8	87.39	91.22
SPOKANE		WA	BLH-19830830AK	105.7	1304.0	100 V W 117° 17' 46.0"	95.9	-3.82	SHORT
Proposed Channel 287 FT 100 dBuV/m F(50,10) Interfering contour = 0.1 km					KZBD Channel 289 C 60 dBuV/m F(50,50) Service contour = 91.1 km				
Proposed Channel 287 FT 60 dBuV/m F(50,50) Service contour = 8.3 km					KZBD Channel 289 C 100 dBuV/m F(50,10) Interfering contour = 13.5 km				
NEW	APP	RADIO ASSIST MINISTRY, INC.	290 D		0.028 H	N 48° 10' 34.2"	59.8	154.4	8.680
KALISPELL		MT	BNPFT-20030317IQJ	105.9	1172.4	0.028 V W 114° 20' 52.5"	241.1	145.7	CLEAR
Primary station: KZMT HELENA, MT; <b>Assumed HAAT: 30 m</b>									
Proposed Channel 287 FT 100 dBuV/m F(50,10) Interfering contour = 0.1 km					NEW Channel 290 D 60 dBuV/m F(50,50) Service contour = 4.2 km				
Proposed Channel 287 FT 60 dBuV/m F(50,50) Service contour = 8.3 km					NEW Channel 290 D 100 dBuV/m F(50,10) Interfering contour = 0.4 km				

>> End of channel 287 FT study <<