

# FM Interference Study

To view the results for other channels and/or datasources, click the link for that information.  
You may sort these results by clicking on an underlined field name in the header.  
Heights are displayed in meters and distances are shown in kilometers.

Job title: Interference-Broadus	Latitude: N 45° 28' 31.0"
Channel: 272FT (102.3 MHz)	Longitude: W 105° 29' 54.0"
Database: DW 3/6/2003 5:27:38 PM, FCC	Safety zone: 26.0
	ERP: 0.1 kW
	HAAT: 60.8

Call	Auth	City of license	St	Chan	HAAT	ERP	Latitude	Br to	Dist	Req
File Number		(Licensee)		Freq	HAMSL	(kW)	Longitude	-from	diff	status

NEW	App	Forsyth	MT	* 218 C1	190.0	60 H	N 46° 10' 32.0"	318.2409	105.0	13.2
BPED-20000420ABM				91.5	1050.0	60 V	W 106° 24' 21.0"	137.59	91.8	CLEAR

- Licensee: Hi-Line Radio Fellowship, Inc.

Proposed 272FT 91 dBuV/m F(50,10) Ix contour = 1.3 NEW 218C1 91 dBuV/m F(50,50) Svc contour = 11.9

KEMC	Lic	Billings	MT	* 219 C1	157.6	100 H	N 45° 39' 31.0"	275.9677	240.7	13.6
BMLED-19940425KA				91.7	1279.9	100 V	W 108° 34' 14.0"	93.77364	227.1	CLEAR

- Licensee: Montana State University - Billings

Proposed 272FT 91 dBuV/m F(50,10) Ix contour = 1.3 KEMC 219C1 91 dBuV/m F(50,50) Svc contour = 12.2

K269DE	Lic	Buffalo	WY	269 FT		H	N 44° 20' 28.0"	219.8215	163.2	12.0
BLFT-19940121TH				101.7	2112.0	0.016 V	W 106° 48' 42.0"	38.89421	151.2	CLEAR

- Licensee: Western Inspirational Broadcasters, Inc.

- DA: ODD ODD930511TB @ 324.0°; Primary station: KCSP Casper, WY

Proposed 272FT 100 dBuV/m F(50,10) Ix contour = 0.7 K269DE 269FT 60 dBuV/m F(50,50) Svc contour = 11.3

Proposed 272FT 60 dBuV/m F(50,50) Svc contour = 8.0 K269DE 269FT 100 dBuV/m F(50,10) Ix contour = 0.3

KRSQ	Lic	Laurel	MT	270 C1	112.0	100 H	N 45° 45' 48.0"	278.9836	232.9	55.7
BLH-20010720ABI				101.9	1162.0	100 V	W 108° 27' 20.0"	96.86986	177.2	CLEAR

- Licensee: New Northwest Broadcasters, LLC

- License granted 10/15/2001 per 45093-10/18/2001;

Proposed 272FT 80 dBuV/m F(50,10) Ix contour = 2.7 KRSQ 270C1 60 dBuV/m F(50,50) Svc contour = 53.0

Proposed 272FT 60 dBuV/m F(50,50) Svc contour = 8.0 KRSQ 270C1 80 dBuV/m F(50,10) Ix contour = 20.5

KFMH	CP	Belle Fourche	SD	271 C3	-3.8	7 H	N 44° 39' 48.0"	124.4342	157.6	32.7
BMPH-20021015ABP				102.1	980.0	7 V	W 103° 51' 27.0"	305.5959	125.0	CLEAR

- Licensee: MAS Communications, Inc.

- KFMH assigned to New CP 5/7/02 per #433 (5/22/02); CP granted 10/31/02 per 45355 - 11/05/02;

Proposed 272FT 54 dBuV/m F(50,10) Ix contour = 11.5 KFMH 271C3 60 dBuV/m F(50,50) Svc contour = 16.6

Proposed 272FT 60 dBuV/m F(50,50) Svc contour = 8.0 KFMH 271C3 54 dBuV/m F(50,10) Ix contour = 24.6

K272DN	Lic	Gillette	WY	272 FT	118.9	0.085 H	N 44° 12' 34.0"	179.0175	140.7	44.6
BLFT-19940601TA				102.3	1546.9	0 V	W 105° 28' 05.0"	359.0388	96.1	CLEAR

- Licensee: P. Anthony Reed

- DA: SCA HDCA-10H @ 340.0°; Primary station: KWYY Casper, WY

Proposed 272FT 40 dBuV/m F(50,10) Ix contour = 26.8						K272DN 272FT 60 dBuV/m F(50,50) Svc contour = 10.8				
Proposed 272FT 60 dBuV/m F(50,50) Svc contour = 8.0						K272DN 272FT 40 dBuV/m F(50,10) Ix contour = 36.6				
K273AD	Lic	Worland	WY	273 FT	0.0	0 H	N 44° 03' 56.0"	230.8029	244.0	27.6
BLFT-19950808TA				102.5	1439.0	0.17 V	W 107° 51' 43.0"	49.13808	216.4	CLEAR
• Licensee: Western Inspirational Broadcasters, Inc.										
• DA: ODD ODD941114TE @ 0.0°; Primary station: KTAG Cody, WY										
Proposed 272FT 54 dBuV/m F(50,10) Ix contour = 11.5						K273AD 273FT 60 dBuV/m F(50,50) Svc contour = 13.1				
Proposed 272FT 60 dBuV/m F(50,50) Svc contour = 8.0						K273AD 273FT 54 dBuV/m F(50,10) Ix contour = 19.6				
KCTR-FM	Lic	Billings	MT	275 C1	152.4	100 H	N 45° 45' 59.0"	279.0676	232.9	59.5
BLH-790727AF				102.9	1203.0	100 V	W 108° 27' 19.0"	96.95391	173.4	CLEAR
• Licensee: Capstar TX, LP										
Proposed 272FT 100 dBuV/m F(50,10) Ix contour = 0.7						KCTR-FM 275C1 60 dBuV/m F(50,50) Svc contour = 58.8				
Proposed 272FT 60 dBuV/m F(50,50) Svc contour = 8.0						KCTR-FM 275C1 100 dBuV/m F(50,10) Ix contour = 7.2				

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