

**Prairie Public Broadcasting
Fargo, ND**

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Tuesday, February 08, 2005

Dataworld FM Interference Study

Title: KFJM (PPB Grand Forks Tower)

Channel: 214 A (90.7 MHz) Latitude: N 47° 54' 17.0" ERP: 4 kW HAAT: 34.0 m Longitude: W 97° 06' 53.0"
Database: DW 2/7/2005 5:36:21 PM Safety Zone: 30.0 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)
WDAY-TV	Lic	Forum Communications Company	6 II	351.0	100	N 47° 00' 43.0"	183.7	99.46	115.0
Fargo		ND	BLCT-19870707KQ	82	643.0	W 97° 11' 58.0"	3.6	-15.6	SHORT
Proposed Channel 214 A 71.75 dBuV/m F(50,10) Interfering contour = 7.7 km					WDAY-TV Channel 6 2 47 dBuV/m F(50,50) Service contour = 107.4 km				
KSRQ	Lic	Northland Community and Technica	*211 C3	102.0	24 H	N 48° 01' 19.0"	76.5	57.12	40.61
Thief River Falls		MN	BLED-19910409KA	90.1	414.0	W 96° 22' 12.0"	257.0	16.51	CLEAR
Proposed Channel 214 A 100 dBuV/m F(50,10) Interfering contour = 1.5 km					KSRQ Channel 211 C3 60 dBuV/m F(50,50) Service contour = 39.1 km				
Proposed Channel 214 A 60 dBuV/m F(50,50) Service contour = 15.0 km					KSRQ Channel 211 C3 100 dBuV/m F(50,10) Interfering contour = 4.1 km				
KCCD	Lic	Minnesota Public Radio	*212 C1	151.0		N 46° 45' 35.0"	163.1	133.0	60.13
Moorhead		MN	BLED-19920612KA	90.3	437.0	W 96° 36' 26.0"	343.5	72.82	CLEAR
Primary station: KNOW-FM Minneapolis, MN					KCCD Channel 212 C1 60 dBuV/m F(50,50) Service contour = 58.6 km				
Proposed Channel 214 A 100 dBuV/m F(50,10) Interfering contour = 1.5 km					KCCD Channel 212 C1 100 dBuV/m F(50,10) Interfering contour = 7.2 km				
Proposed Channel 214 A 60 dBuV/m F(50,50) Service contour = 15.0 km									
K213BQ	Lic	Moody Bible Institute of Chicago	213 FT	38.1	0.05 H	N 48° 29' 40.0"	336.5	71.60	27.75
Nash		ND	BLFT-19941017TA	90.5	36.9	W 97° 30' 05.0"	156.2	43.85	CLEAR
Proposed Channel 214 A 54 dBuV/m F(50,10) Interfering contour = 22.4 km					K213BQ Channel 213 FT 60 dBuV/m F(50,50) Service contour = 5.3 km				
Proposed Channel 214 A 60 dBuV/m F(50,50) Service contour = 15.0 km					K213BQ Channel 213 FT 54 dBuV/m F(50,10) Interfering contour = 7.5 km				
KFJM	Lic	University of North Dakota	*214 A	47.0	2.4 H	N 47° 55' 55.0"	45.1	4.299	77.24
Grand Forks		ND	BLED-19950317KA	90.7	297.0	W 97° 04' 26.0"	225.2	-72.9	SHORT
Proposed Channel 214 A 40 dBuV/m F(50,10) Interfering contour = 61.6 km					KFJM Channel 214 A 60 dBuV/m F(50,50) Service contour = 15.6 km				
Proposed Channel 214 A 60 dBuV/m F(50,50) Service contour = 15.0 km					KFJM Channel 214 A 40 dBuV/m F(50,10) Interfering contour = 58.8 km				
W215AI	Lic	Minnesota Public Radio	215 FT	0.0	0.037 H	N 48° 51' 10.0"	42.8	145.0	26.95
Roseau		MN	BLFT-19911219TE	90.9	349.0	W 95° 46' 13.0"	223.8	118.1	CLEAR
Primary station: KNOW-FM Minneapolis, MN; Assumed HAAT: 32 m					W215AI Channel 215 FT 60 dBuV/m F(50,50) Service contour = 4.5 km				
Proposed Channel 214 A 54 dBuV/m F(50,10) Interfering contour = 22.4 km					W215AI Channel 215 FT 54 dBuV/m F(50,10) Interfering contour = 6.4 km				
Proposed Channel 214 A 60 dBuV/m F(50,50) Service contour = 15.0 km									
KCCM-FM	Lic	Minnesota Public Radio	*216 C1	199.9	66.6 H	N 46° 45' 35.0"	163.1	133.0	61.50
Moorhead		MN	BLED-19811119AL	91.1	485.9	W 96° 36' 26.0"	343.5	71.45	CLEAR
Proposed Channel 214 A 100 dBuV/m F(50,10) Interfering contour = 1.5 km					KCCM-FM Channel 216 C1 60 dBuV/m F(50,50) Service contour = 60.0 km				
Proposed Channel 214 A 60 dBuV/m F(50,50) Service contour = 15.0 km					KCCM-FM Channel 216 C1 100 dBuV/m F(50,10) Interfering contour = 7.4 km				
KNBJ	Lic	Minnesota Public Radio	*217 C1	301.0	65 H	N 47° 42' 21.0"	95.5	198.2	69.64
Bemidji		MN	BLED-20030429AAP	91.3	720.0	W 94° 29' 09.0"	277.4	128.5	CLEAR
Primary station: KNOW-FM Minneapolis, MN					KNBJ Channel 217 C1 60 dBuV/m F(50,50) Service contour = 68.1 km				
Proposed Channel 214 A 100 dBuV/m F(50,10) Interfering contour = 1.5 km					KNBJ Channel 217 C1 100 dBuV/m F(50,10) Interfering contour = 9.0 km				
Proposed Channel 214 A 60 dBuV/m F(50,50) Service contour = 15.0 km									
KRJM	Lic	R & J Broadcasting	268 C3	100.0	25 H	N 47° 27' 23.0"	123.8	89.02	12.00
Mahnomen		MN	BLH-20020419AAI	101.5	457.0	W 96° 07' 57.0"	304.5	77.02	CLEAR
Required separation derived from section 73.207 of FCC rules					KRJM Channel 268 C3 91 dBuV/m F(50,50) Service contour = 6.9 km				
Proposed Channel 214 A 91 dBuV/m F(50,10) Interfering contour = 2.6 km									

>> End of channel 214 A study <<

Exhibit 15 b Item 13a