

Minnesota Public Radio
Move K247BF to Channel 244

REFERENCE
43 17 13.0 N.
91 53 03.0 W.

CH# 244D - 96.7 MHz, Pwr= 0.115 kW, HAAT= 115.4 M, COR= 461 M
Average Protected F(50-50)= 11.41 km
Omni-directional

DISPLAY DATES
DATA 12-11-08
SEARCH 12-11-08

CH CITY	CALL	TYPE STATE	ANT <--	AZI FILE #	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*OUT* (Overlap in km)
247D Decorah	K247BF	LIC IA	_C_ IA	0.0 0.0	0.0 BLFT20070226ABN	43 17 13.0 91 53 03.0	0.115 100	0.8 461	12.4 Minnesota Public Radio	-13.1*
244C3 Boscobel	AU7058935	VAC WI	___ WI	99.7 280.5	97.3 RM10350	43 08 04.0 90 42 19.0	25.000 100	112.2 381	37.7 Starboard Broadcasting, In	15.4
243C2 Rochester	KWWK	LIC MN	_CN MN	325.4 144.9	101.2 BLH19921005KG	44 01 59.0 92 36 10.0	43.000 161	76.3 513	51.1 Cumulus Licensing Lic	33.6
245D New Hampton	K245AL	LIC IA	_V_ IA	236.4 56.1	41.8 BLFT20070514ABO	43 04 42.0 92 18 44.0	0.250 158	13.7 422	9.8 Horizon Christian Fellowsh	15.9
243C1 Cedar Rapids	WMT-FM	LIC IA	_CX IA	171.8 352.0	141.3 BMLH20050908ACY	42 01 40.0 91 38 25.0	100.000 158	87.8 411	58.2 Citicasters Licenses, L.p.	68.7
246C1 Sparta	WCOW-FM	LIC WI	_CN WI	47.1 227.8	112.1 BLH19881215KB	43 58 06.0 90 51 35.0	100.000 179	8.8 465	66.3 Sparta-tomah Broadcasting	45.1
241C2 Tomah	WXYM	LIC WI	_CN WI	45.9 226.7	119.0 BLH19970312KB	44 01 32.0 90 48 58.0	44.000 160	5.9 446	52.2 Magnum Radio, Inc.	66.1
244C2 Whiting	WLJY	LIC WI	_CN WI	46.4 227.8	221.7 BLH19971216KZ	44 38 33.0 89 51 24.0	50.000 150	137.7 500	52.2 Nrg License Sub, Lic	127.1
297D La Crosse	637595	APP WI	_C_ WI	40.5 220.9	82.3 BNPFT20030313AUF	43 50 51.0 91 13 08.0	0.250 100	2.0 227	12.5 Sister Grace, Inc.	9.5R 72.8M
297D La Crosse	639690	APP WI	_C_ WI	40.5 220.9	82.3 BNPFT20030314ALB	43 50 51.0 91 13 08.0	0.250 100	2.0 227	12.5 Sister Grace, Inc.	9.5R 72.8M
241C3 Albert Lea	KQPR	LIC MN	ZCX MN	289.3 108.4	113.6 BLH20040317AEQ	43 36 58.0 93 12 47.0	25.000 94	3.9 470	37.7 Hometown Broadcasting, Inc	75.2
241A Hudson	KCVM	LIC IA	ZCN IA	205.1 24.7	107.1 BLH19970815KC	42 24 47.0 92 26 15.0	6.000 100	3.0 384	30.8 Fife Communication Company	75.6

Terrain database is USGS 03 SEC , R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone = 2, Co to 3rd adjacent.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
Incoming contour overlap is ignored.
"*"affixed to 'IN' or 'OUT' values = site inside protected contour.

HOW TO READ THE FM COMPUTER PRINT-OUT

Translator Reference Station

The computer printout should be self-explanatory for the most part. The parameters of the station being checked, (reference station) are printed in the heading. The 60 dBu protected contour is predicted from the Commission's F(50-50) table. Contour distances are in kilometers and are predicted using the Commission's TVFMINT FORTRAN subroutine. When interference contour distances are less than 16 kilometers the F(50-50) tables are used. If signal contour distances are less than 1.6 km the free-space equation is used.

All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90. The column labeled "* OUT *" shows the greatest distance in kilometers of overlap (or smallest distance of clearance) between the reference station's interference contour and the database station's protected contour. Negative distance figures in this column indicate outgoing contour overlap. Since translators are able to receive interference there is no "In" or incoming column in this report.

Listed antenna heights and power are the specific antenna heights and power from the FCC database.

Under the "AZI" column, the first row of numbers indicate the True North azimuths from the reference station toward the database stations, while the numbers in the second row indicate the reverse bearings from the database stations to the reference station. Bearings are calculated using spherical trigonometry.

The columns labeled "INT" and "PRO" contain the distance in kilometers of the appropriate interference contour and the protected contour of a data base station.

For I.F. relationships the minimum spacings the "IN" and "OUT" columns change their significance. The letter "R" stands for the minimum **required** distance in kilometers, while the letter "M" in the next column follows the **available clear space** separation in kilometers. Minimum separation distances when displayed are taken from Sec 73.207 of the rules as amended. Canadian and Mexican separation distances, U/D ratios and protected contour values are from the US/Mexican Working Agreement and the US/Canada Working Agreement".

The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. "Z" indicates a 73.215 directional. An "N" indicates it is a 73.215 station that operates with an omni-directional antenna. The fifth letter will be an E, H or V depending on the type of antenna polarization. The sixth letter will be a "Y" if the antenna uses beam tilt or an "X" if the commission is not sure, otherwise it will be an "N" or left blank.