

**May 2011
New FM Channel 226A
Ferrysburg, Michigan
Allocation Study**

The attached spacing study shows that the proposed operation meets the co-channel and adjacent channel spacing requirements for Class A stations as prescribed in §73.207 of the Commission's Rules, with the exception of a short-spacing to the licensed operation of WXRT-FM on Channel 226B at Chicago. Processing pursuant to §73.215 of the Commission's Rules is requested with respect to WXRT-FM, and the attached allocation study map is included to demonstrate the lack of prohibited contour overlap with that facility. (While there is a small area of overlap caused to the WXRT-FM protected contour, that overlap area is entirely over water area of Lake Michigan.)

Hatfield & Dawson Consulting Engineers

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SEARCH PARAMETERS

FM Database Date: 110523

Channel: 226A 93.1 MHz
 Latitude: 43 3 25
 Longitude: 86 14 28
 Safety Zone: 32 km
 Job Title: FERRYSBURG 226A TRANSMITTER SITE

Page 1

Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
WLAW LIC	NEWAYGO MI	BLH-50805AAN	223A 92.5	2.250 165.0	43-18-35 085-54-45	43.4	38.76 7.76	31 CLOSE
WYVN LIC	SAUGATUCK MI	BLH-21002ABE	224A 92.7	3.300 114.0	42-41-10 086-10-05	171.8 SS	41.63 10.63	31 CLEAR
W225BA LIC	HASTINGS MI	BLFT-70622AEB	225D 92.9	0.010 10.0	42-38-55 085-17-13	119.9	90.22 0.00	0 TRANS
WXRT-FM LIC	CHICAGO IL	BLH-810930AF	226B 93.1	6.700 399.0	41-53-56 087-37-23	221.8	171.64 -6.36	178 SHORT
ABSOLUTE MINIMUM 73.215 SPACING = 143 KM								
WXRTaux LIC	CHICAGO IL	BLH-880718KA	226B 93.1	14.000 154.0	41-56-18 087-45-05	225.4	175.65 0.00	0 AUX
WXRTaux LIC	CHICAGO IL	BXMLH-41004ABT	226B 93.1	14.000 154.0	41-56-18 087-45-05	225.4	175.65 0.00	0 AUX
WDLP-LP LIC	FENWICK MI	BLH-60308AIZ	226L1 93.1	0.100 29.7	43-09-34 085-07-43	82.4	91.27 0.00	0 LPPM
VAC	FERRYSBURG MI	RM-10401	226A 93.1	0.000 0.0	43-06-04 086-11-29	39.4	6.36 -108.64	115 SHORT
W226BB LIC	LUDINGTON MI	BLFT-70517AIU	226D 93.1	0.027 93.0	43-54-28 086-23-45	352.5	95.35 0.00	0 TRANS
NEW-T APP	ALLEGAN MI	BNPFT-30317GVK	227D 93.3	0.010 152.0	42-34-12 085-54-29	153.2	60.57 0.00	0 TRANS
W227BB LIC	FREMONT MI	BLFT-70622ADT	227D 93.3	0.010 32.0	43-28-25 085-56-49	27.1	52.09 0.00	0 TRANS
NEW-T APP	JENISON MI	BNPFT-30317HQP	227D 93.3	0.010 302.0	42-57-25 085-54-07	111.8	29.80 0.00	0 TRANS
W227AS LIC	WHITEHALL MI	BLFT-70516ACH	227D 93.3	0.250 0.0	43-24-33 086-20-02	349.2	39.85 0.00	0 TRANS
WLDB LIC	MILWAUKEE WI	BLH-50923AAH	227B 93.3	16.000 270.0	43-05-46 087-54-15	272.4 SS	135.51 22.51	113 CLEAR

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WBCT	GRAND RAPIDS		229B	320.000	42-37-56	129.2	74.38	69
LIC	MI	BLH-800616AK	93.7	238.0	085-32-16		5.38	CLOSE
WBCTaux	GRAND RAPIDS		229B	70.000	42-37-56	129.2	74.38	0
LIC	MI	BXLH-50615ACQ	93.7	180.0	085-32-16		0.00	AUX
WUVS-LP	MUSKEGON		279L1	0.100	43-14-21	357.6	20.26	0
LIC	MI	BLL-90720ABZ	103.7	26.3	086-15-06		0.00	LPFM
WUVS-LP	MUSKEGON		279L1	0.100	43-13-06	359.1	17.93	0
CP	MI	BPL-00216ABC	103.7	29.5	086-14-41		0.00	LPFM

44444 END OF FM SPACING STUDY FOR CHANNEL 226 44444

