

FM Channel Study
Kilgore Broadcast Maintenance

Relocate to Rib Mountain as WHRM-HD3 Fill-In
Wrvn, Inc.

REFERENCE CH# 267D - 101.3 MHz, Pwr= 0.25 kW, HAAT= 263.2 M, COR= 648 M DISPLAY DATES
44 55 14.0 N. DATA 04-03-17
89 41 28.0 W. Average Protected F(50-50)= 21.19 km SEARCH 04-20-17
Omni-directional

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
270C Wausau	WDEZ	LIC _C_ WI		0.0 0.0	0.00 BLH20031021AFB	44 55 14.0 89 41 28.0	100.000 329	10.4 715	73.6 Wrig, Inc.	-31.0*	-74.7*
267D Wausau	W267BB	LIC _C_ WI		33.6 213.6	4.38 BLFT20111011AAY	44 57 12.4 89 39 36.9	0.120 18	19.6 409	5.9 Wrvn, Inc.	-36.2*	-65.8*
267D Rhinelander	W267AF	LIC _C_ WI		16.4 196.6	82.05 BLFT20120313AAU	45 37 42.0 89 23 38.0	0.250 64	34.4 550	10.0 Nrg License Sub, Lic	27.6	7.9
266C Green Bay	WI XX	LIC _CY WI		112.4 293.6	145.17 BMLH19811005AE	44 24 35.0 88 00 05.0	100.000 329	113.8 557	77.1 Midwest Communications, Inc	9.7	35.9
266D Abbotsford	W266CC	LIC _C_ WI		273.6 93.2	49.43 BLFT20151014ACZ	44 56 49.1 90 19 05.2	0.120	8.9 450	6.1 Wrvn, Inc.	19.5	11.7
265C3 Tomahawk	1598907	APP NCX WI		3.5 183.5	48.08 BNPH20130724AFV	45 21 08.0 89 39 13.0	3.000 149	2.8 599	30.9 Results Broadcasting Of Rh	24.5	16.0
265D Marshfield	W265DC	LIC DC_ WI		218.8 38.5	43.73 BLFT20160426AAX	44 36 48.0 90 02 14.0	0.160	0.2 491	5.5 State Of Wisconsin - Educa	22.6	37.0
265C3 Tomahawk	1599592	RSV-A ____ WI		350.4 170.3	65.37	45 30 01.0 89 49 50.0	25.000 100	4.2 554	40.0 Results Broadcasting Of Rh	40.2	24.2
265C3 Tomahawk	AU9498263	VAC ____ WI		350.4 170.3	65.37 RM10985	45 30 01.0 89 49 50.0	25.000 100	4.2 554	40.0 Results Broadcasting Of Rh	40.2	24.2
265C3 Tomahawk	1560164	APP ____ WI		350.4 170.3	65.37 BSFH20130204ACZ	45 30 01.0 89 49 50.0	25.000 100	4.2 554	40.0 Results Broadcasting Of Rh	40.2	24.2
268C3 Augusta	WWJC	LIC _CX WI		254.6 73.7	104.18 BLED20140801AHI	44 39 50.0 90 57 40.0	1.000 466	59.5 785	38.9 Lbn, Inc.	24.3	35.1
264D Tomahawk	W264CH	LIC _C_ WI		357.5 177.5	63.46 BLFT20140116AAF	45 29 27.0 89 43 36.0	0.250 82	1.1 535	12.3 Albert Broadcasting Li Lic	41.6	49.8
265D Nekoosa	W265CR	LIC _V_ WI		194.9 14.7	66.59 BLFT20131024AAT	44 20 29.4 89 54 22.3	0.120	0.8 328	5.9 Wrvn, Inc.	43.9	59.6

Terrain database is FCC NGDC 30 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= East Zone, Co to 3rd adjacent.
All separation margins (if shown) include rounding.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
""affixed to 'IN' or 'OUT' values = site inside restricted contour.

Protected zones report for W267BB-Pr on channel 267D 04-18-2017

Lat. 44 55 14.0 Lng. 89 41 28.0, ERP= 0.25 kw, HAAT= 262.95 m

Facility is okay with respect to Canada. Distance = 341.0 km.

Facility is okay with respect to AM station towers.

Closest AM Facility is WRIG, SCHOFIELD, WI, L, DA2 at 140.1° at a distance of 6.1 km

Facility is okay with respect to FCC monitoring stations.

Closest FCC Monitoring Station is 395.8 km= Allegan, MI

Facility is okay toward West Virginia Quiet Zone. Distance to center = 1117.7 km

Facility is okay toward Table Mountain. Distance to Center = 1383.7 km,
Azimuth = 252.7 Degrees True

Exhibit 13 - FM Channel Study
Waiver For Compliance with 47 C.F.R. 74.1204

Interference to WDEZ

The site for the facility of proposed CP amendment is located within the protected contour of second-adjacent channel station WDEZ, channel 270C, in Wausau, WI, the Protected Station. According to established contour protection ratios, the contour from the interfering station should be 40 dB higher than the protected contour. The Protected Station is located on the same tower as the proposed W267BB antenna, radiating from 69m AGL. Therefore the potential interference for this proposed facility is such a short distance from the W267BB antenna that it is far above the ground and away from where any public could be located.

Request for Waiver

No buildings, roads or other structures that the public would normally occupy would put the public within the interference pattern radiated by the antenna.

Since this proposal complies with 47 C.F.R. 74.1204(d) based upon the fact that no actual interference will occur due to no population and no public locations within the areas of interference, we hereby request waiver of 47 C.F.R. 74.1204(a)(3) for separation between this proposed facility and the Protected Station.