

**Channel Study**

REFERENCE CH# 282D - 104.3 MHz, Pwr= 0.25 kW DA, HAAT= 141.3 M, COR= 341 M DISPLAY DATES  
 40 32 48.0 N. Average Protected F(50-50)= 15.3 km DATA 10-13-16  
 86 50 59.0 W. Standard Directional SEARCH 10-14-16

CH CITY	CALL	TYPE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
285D Lafayette	W285EY	CP	C IN	192.0 12.0	14.60 BNPFT20130829ABU	40 25 05.0 86 53 08.0	0.055 33	0.5 228	5.9 Friends Of Christian Radio	-2.7*<	7.6
283B Noblesville	WJJK	LIC	CX IN	143.7 324.1	97.17 BMLH20030828AYT	39 50 25.0 86 10 34.0	50.000 150	75.0 390	62.1 Radio License Holding Src	6.1	1.0
283B Noblesville	AL9217	RSV-A	 IN	143.7 324.1	97.17 RM10153	39 50 25.0 86 10 34.0	50.000 150	75.0 390	62.1	6.1	1.0
228A Lafayette	WKHY	LIC	CX IN	209.9 29.8	20.51 BLH20140819ABR	40 23 12.0 86 58 14.0	6.000 76	78.0 273	65.0 Neuhoff Media Lafayette, L	10.0R	10.5M
279A Royal Center	WHZR	LIC	CN IN	54.0 234.3	50.43 BLH19890705KA	40 48 43.0 86 21 56.0	6.000 100	2.9 322	30.4 Mid-america Radio Group	33.5	19.2
280A Crawfordsville	WIMC	LIC	CX IN	185.7 5.7	45.94 BMLH20070306AAL	40 08 06.0 86 54 14.0	1.350 151	2.0 390	24.6 C.v.l. Broadcasting, Inc.	27.5	20.2
282B Chicago	WJMK	LIC	CX IL	336.3 155.8	161.96 BMLH20011031AAC	41 52 44.0 87 38 08.0	4.100 480	127.5 659	65.8 Cbs Radio Inc. Of Illinois	22.1	39.2
283D Rensselaer	W283CO	CP	C IN	331.0 150.8	53.86 BMPFT20160509AAR	40 58 13.0 87 09 38.0	0.250	19.2 302	12.8 Brothers Broadcasting Corp	22.3	22.6
281B Muncie	WLBC-FM	LIC	CX IN	108.5 289.5	132.08 BMLH20041020AAB	40 09 40.0 85 22 44.0	41.000 140	76.8 438	64.4 Woof Boom Radio Muncie Lic	39.4	34.1
229A Walton	WFRR	LIC	CN IN	70.5 251.0	60.36 BLH19951120KB	40 43 31.0 86 10 33.0	6.000 100	78.0 324	65.0 Christian Friends Broadcas	10.0R	50.4M
282B1 Casey	WCBH	LIC	CN IL	213.3 32.6	168.76 BLH19880928KD	39 16 24.0 87 55 39.0	11.000 151	103.2 330	43.8 Two Petaz, Inc.	50.5	67.2

Terrain database is GLOBE 30 Sec, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM

Contour distances are on direct line to and from reference station. Reference Zone= East Zone, 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)

"\*"affixed to 'IN' or 'OUT' values = site inside restricted contour.

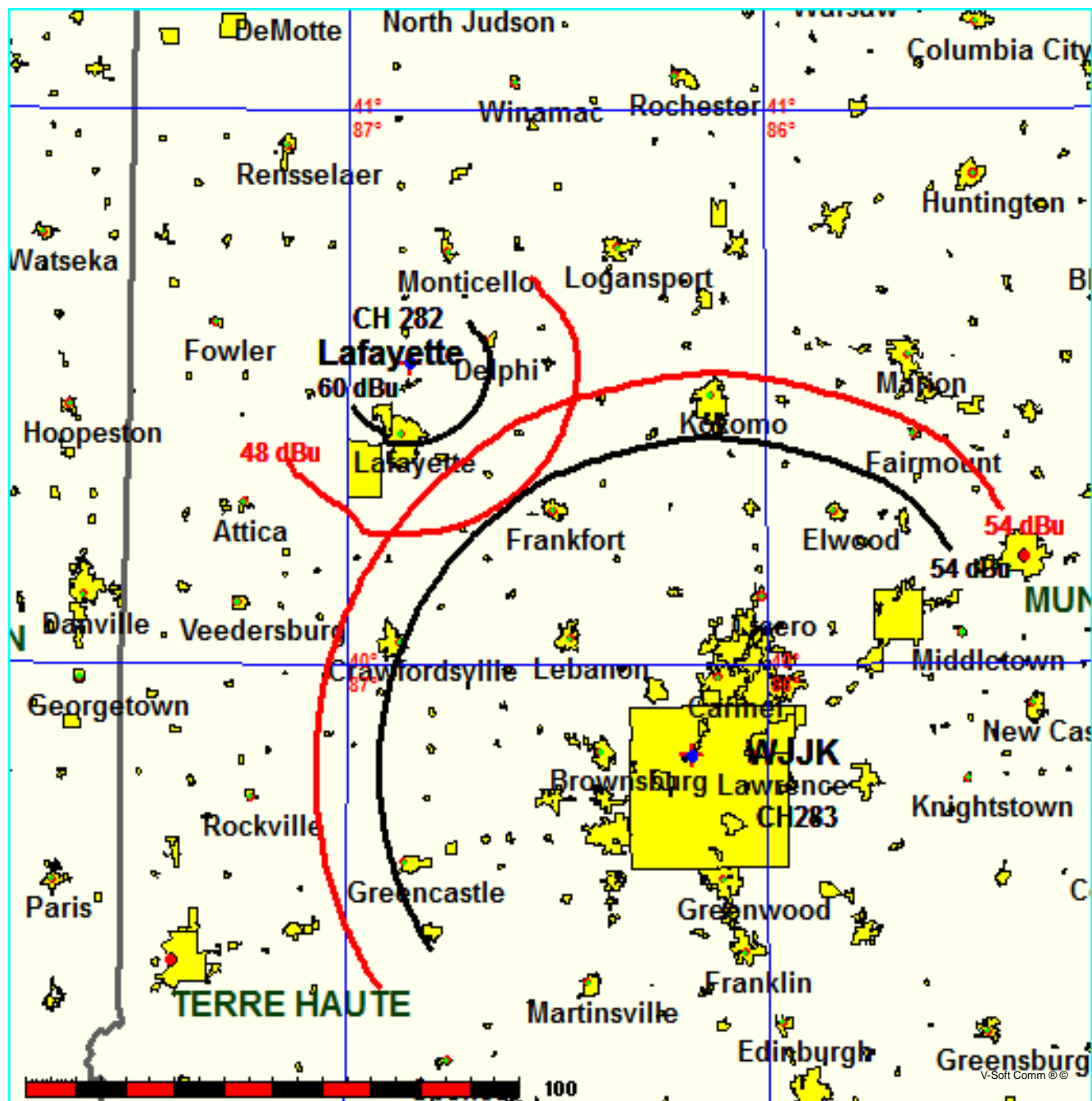
< = Station meets FCC minimum distance spacing for its class.

< = Contour Overlap

FMCommander Single Allocation Study - 10-14-2016 - GLOBE 30 Sec  
Lafayette's Overlaps (In= 6.09 km, Out= 1.03 km)

Lafayette CH 282 D DA  
Lat= 40 32 48.0, Lng= 86 50 59.0  
0.25 kW 141.3 m HAAT, 341 m COR  
Prot.= 60 dBu, Intef.= 48 dBu

WJJK CH 283 B BMLH20030828AYT  
Lat= 39 50 25.0, Lng= 86 10 34.0  
50.0 kW 150 m HAAT, 390 m COR  
Prot.= 54 dBu, Intef.= 54 dBu



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