

Channel Study

REFERENCE CH# 290D - 105.9 MHz, Pwr= 0.019 kW DA, HAAT= 87.7 M, COR= 374 M DISPLAY DATES
39 43 56.0 N. Average Protected F(50-50)= 6.4 km DATA 08-26-13
82 35 44.0 W. Standard Directional SEARCH 08-26-13

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*
290A New Lexington	WWJM	LIC	CN OH	82.2 262.4	37.13 BLH19981022KC	39 46 37.0 82 09 54.0	1.700 191	79.0 472	27.0 Perry County Broadcasting	-44.3*	2.2
290D Lancaster	1551671	APP DC	OH	339.0 159.0	0.39 BNPFT20030312ANP	39 44 08.0 82 35 50.0	0.038	18.9 353	5.8 The Cedarville University	-20.6*	-12.6*
289A Hilliard	WBWR	LIC	C OH	307.3 127.1	43.63 BLH20000626AFT	39 58 10.0 83 00 10.0	2.400 159	45.0 402	29.9 Citicasters Licenses, Inc.	-4.3*	9.5
290B Middletown	WNKN	LIC	CX OH	261.5 80.4	152.27 BMLED20110330ACO	39 30 57.0 84 21 05.0	34.000 181	130.7 419	62.7 Northern Kentucky Universi	19.0	77.9
288A Athens	WXTQ	LIC	CN OH	134.0 314.3	60.17 BLH19971212KE	39 21 18.0 82 05 32.0	6.000 95	2.9 344	30.2 Wath, Inc.	54.8	29.9
292D Newark	W292EA	LIC	C OH	26.1 206.2	37.37 BLFT20130314ACY	40 02 02.0 82 24 08.0	0.013	0.3 394	6.6 Bd. Of Educ. City School D	34.4	30.7
288D Newark	1550516	APP	C OH	24.4 204.5	40.27 BNPFT20030317MUF	40 03 43.3 82 24 01.2	0.120	0.8 300	5.9 Spirit Communications, Inc	36.8	34.3
288D Newark	1566976	APP	C OH	24.4 204.5	40.27 BNPFT20130814ACL	40 03 43.3 82 24 01.2	0.120	0.8 300	5.9 Spirit Communications, Inc	36.8	34.3
293A Chillicothe	WQLX	LIC	ZCX OH	217.8 37.5	56.33 BLH20071207ABY	39 19 52.0 82 59 49.0	4.800 80	2.2 315	21.7 Cc Licenses, Llc	48.4	34.4
291B Mansfield	WVNO-FM	LIC	CN OH	359.1 179.1	114.71 BLH19911030KB	40 45 50.0 82 37 04.0	40.000 166	74.5 545	62.5 Johnny Appleseed Broadcast	37.8	47.3
292A London	WXMG	LIC	ZCN OH	283.8 103.2	72.67 BLH19920828KF	39 53 05.0 83 25 23.0	6.000 100	3.0 414	30.8 Blue Chip Broadcasting Lic	67.4	41.9

Terrain database is NGDC 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.
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 protected contour.