

# Exhibit 12: Fig 1 Channel Interference Study

REFERENCE CH# 283D - 104.5 MHz, Pwr= 0.001 kw, HAAT= 42.7 M, COR= 258 M DISPLAY DATES  
 41 29 13.0 N. Average Protected F(50-50)= 2.19 km DATA 03-27-13  
 81 41 02.0 W. Omni-directional SEARCH 03-27-13

CH CITY	CALL	TYPE ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap	*OUT* in km)
283B Wooster	WQKT	LIC _CN OH	193.5 13.4	79.4 BLH19790215AH	40 47 31.0 81 54 17.0	52.000 101	131.0 431	56.8	-53.6*	14.6
281B Cleveland	WQAL	LIC _CX OH	196.1 16.1	16.9 BLH20050901AAM	41 20 28.0 81 44 24.0	12.000 293	5.5 574	67.3	9.5	-50.6*
285A Lorain	WCLV	LIC _C_ OH	267.3 87.1	25.6 BLH20010718AAJ	41 28 32.0 81 59 24.0	6.000 100	2.8 294	28.5	19.9	-3.0*
284A Geneva	WKKY	LIC NCN OH	55.2 235.6	59.8 BLH19950131KC	41 47 30.0 81 05 31.0	6.000 100	45.5 315	29.4	11.5	26.2
286B Salem	WQXK	LIC _C_ OH	132.9 313.4	97.8 BLH20000410ACM	40 53 08.0 80 49 55.0	88.000 136	6.5 494	68.7	88.9	28.7
283A Cambridge Springs	WXMJ	LIC NCN PA	78.7 259.7	128.9 BLH19970728KD	41 42 10.0 80 09 54.0	2.550 156	83.7 545	29.1	42.8	94.1
284B Toledo	WIOT	LIC _CX OH	278.7 97.6	146.7 BMLH20020611AAX	41 40 23.0 83 25 31.0	50.000 165	81.5 345	68.0	62.3	72.8
282B Detroit	WOMC	LIC _CN MI	313.2 132.2	161.2 BLH19970512KI	42 28 10.0 83 06 54.0	190.000 110	93.0 306	73.8	65.2	81.6
282B Moon Township	WOGI	LIC NCX PA	132.9 313.8	145.8 BLH20071003AAS	40 35 14.0 80 25 15.0	13.000 219	71.6 549	61.2	71.9	80.4

Terrain database is 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.  
 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.