

Fig 1: Channel Interference

K295CB Des Moines, IA 231D

REFERENCE CH# 231D - 94.1 MHz, Pwr= 0.132 kW DA, HAAT= 0.0 M, COR= 395 M DISPLAY DATES  
 41 38 05.00 N. DATA 01-11-21  
 93 34 44.80 W. SEARCH 01-11-21  
 Standard Directional

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
231C1 Iowa City	KRNA	LIC _CN IA		84.4 265.5	145.11 BLH19911115KA	41 45 00.00 91 50 16.60	100.000 299	170.7 546	71.4 Townsquare Media	-36.9*	35.9 Cedar Rap
229D Des Moines	K229CC	LIC _CN IA		222.5 42.5	6.28 BMLFT20170109AAO	41 35 35.00 93 37 48.80	0.250	1.1 396	14.4 Saga Communications	-7.7*	-8.9* Of Iow
233D Des Moines	K233BT	LIC DCN IA		222.6 42.5	6.28 BLFT20151103AXA	41 35 35.00 93 37 49.00	0.250	0.8 394	12.5 St. Gabriel Communications	-7.5*	-7.0*
232D Indianola	K232FR	LIC DCN IA		177.2 357.2	30.39 BLFT20181011ABA	41 21 41.90 93 33 40.70	0.230	14.8 325	9.9 M And H Broadcasting, Inc.	3.0	0.4
232D Granger	K232FX	CP DCN IA		293.6 113.5	25.51 BNPFT20180419ACA	41 43 35.00 93 51 38.80	0.200	13.1 425	9.4 M&m Broadcasting, Inc.	1.5	0.5
231C Omaha	KQCH	LIC _CN NE		260.6 79.0	207.31 BMLH20080129ABC	41 18 16.00 96 01 42.10	100.000 361	180.7 702	77.9 Sm-Kqch, LLC	14.6	88.5
230D Marshalltown	K230CB	CP _CN IA		47.9 228.3	64.53 BNPFT20171201ANB	42 01 21.00 92 59 58.00	0.250	17.6 397	12.0 Trending Media, Inc.	37.9	40.0
233C1 Fort Dodge	KKEZ	LIC _CN IA		331.7 151.3	108.90 BMLH20151228BCD	42 29 42.90 94 12 33.90	100.000 183	7.8 521	62.2 Alpha 3e Licensee LLC	91.7	46.2
229C1 Carroll	KKRL	LIC _CN IA		293.5 112.6	117.52 BLH20050729AGE	42 02 56.90 94 53 04.00	100.000 84	6.0 484	51.8 Carroll Broadcasting Compa	100.5	65.0
230C1 Mason City	KIAI	LIC _CN IA		12.8 193.1	174.95 BMLH20151228BDA	43 10 05.60 93 06 03.90	100.000 241	98.4 585	66.9 Alpha 3e Licensee LLC	68.2	96.4
285C2 Oskaloosa	KBOE-FM	LIC _CN IA		113.9 294.5	85.40 BLH19910919KB	41 19 15.00 92 38 44.70	50.000 150	15.2 391	95.9 Jomast Corporation	14.5R	70.9M

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= West 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.

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