

Allocation Study
Translator W290CR
Channel 290D – 105.9 MHz
0.250 kW ERP – 241 m COR AMSL
Madisonville, Kentucky
November 2014

Searching from Proposed Site

REFERENCE
37 21 31.0 N.
87 29 45.0 W.

CH# 290D - 105.9 MHz, Pwr= 0.25 kW, HAAT= 104.1 M,
Average Protected F(50-50)= 13.1 km
Omni-directional

COR= 241 M

DISPLAY DATES
DATA 11-06-14
SEARCH 11-06-14

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*
290D Madisonville	W290CR	CP	C KY	285.8 105.8	1.81 BNPFT20130829AGU	37 21 47.0 87 30 56.0	0.250 102	46.0 234	13.4 Murray State University	-57.5*	-57.2*
290C Nashville	WNRO	LIC	CY TN	158.4 338.8	157.79 BLH19831212AN	36 02 08.0 86 50 56.0	100.000 376	186.4 611	82.9 Capstar Tx Lic	-41.8*	29.3
291A Newburgh	WDKS	LIC	CX IN	356.1 176.1	58.28 BLH20061011ADR	37 52 57.0 87 32 28.0	6.000 100	41.3 216	26.8 Townsquare Media Of Evansv	4.3	12.7
288A Greenville	WKYA	LIC	DEN KY	125.6 305.7	31.08 BLH19811207AE	37 11 45.0 87 12 38.0	3.000 91	2.2 238	22.3 Radio Active Media, Inc.	15.4	6.7
287B Evansville	WJLT	LIC	CN IN	352.9 172.8	80.60 BLH19971219KF	38 04 45.0 87 36 36.0	50.000 150	6.3 280	66.9 Townsquare Media Of Evansv	61.7	12.2
289A Cannelton	WCJZ	LIC	CX IN	49.3 229.7	74.91 BLH20070207AAN	37 47 44.0 86 50 58.0	2.000 178	43.6 328	28.9 Hancock Communications, In	17.4	25.1
289A Cannelton	AL9738	RSV-A	IN	50.2 230.7	77.76 RM11112	37 48 13.0 86 48 57.0	6.000 100	44.6 252	28.9	19.3	28.0
293C3 Cadiz	WKDZ-FM	LIC	NCX KY	191.5 11.4	62.35 BLH20011115ADI	36 48 29.0 87 38 09.0	13.400 137	3.9 294	38.4 Ham Broadcasting Company,	46.0	22.3
237C3 Corydon	AL8314	RSV-A	KY	323.1 142.9	46.39 RM11119	37 41 31.0 87 48 45.0	25.000 100	177.1 227	75.5	11.5R	34.9M
290A Fairfield	WOKZ	LIC	CN IL	327.6 147.1	134.80 BLH19960903KF	38 22 46.0 88 19 33.0	6.000 100	86.6 227	28.1 The Original Company, Inc.	36.2	64.6
237C3 Morganfield	WKVN	LIC	ZCX KY	346.4 166.3	47.81 BMLED20081024ADG	37 46 38.0 87 37 26.0	25.000 82	177.1 206	75.5 Educational Media Foundati	11.5R	36.3M
237D Hopkinsville	W237BV	LIC	C KY	181.6 1.6	52.95 BLFT20080804ABU	36 52 54.0 87 30 44.0	0.250 65	177.1 239	75.5 H.o.p. Broadcasting, Inc.	9.5R	43.5M
293D Owensboro	W293AT	LIC	C KY	39.0 219.2	57.73 BLFT20060608AAL	37 45 42.0 87 04 58.0	0.038 67	0.4 192	6.8 Music Ministries, Inc.	43.6	49.8
292C2 Horse Cave	WVOV	LIC	CX KY	106.3 287.1	121.63 BLH20121019ACC	37 02 39.0 86 11 00.0	50.000 123	5.7 314	50.5 Soky Radio, Lic	101.9	69.8
292B1 Benton	WQRL	LIC	CN IL	301.7 121.0	122.37 BLH19931117KE	37 55 51.0 88 40 52.0	12.500 140	3.8 280	44.0 Dana Communications Corp.	105.6	76.1
291D Murray	W291BZ	LIC	C KY	221.3 40.8	108.80 BLFT20070828AAQ	36 37 13.0 88 18 00.0	0.027 81	9.6 234	6.7 Way Media, Inc.	85.6	81.5
288A Metropolis	WREZ	LIC	CN IL	259.5 78.8	109.46 BLH19910211KA	37 10 25.0 88 42 29.0	6.000 100	2.5 213	25.9 Withers Broadcasting Compa	93.2	81.6

Terrain database is USGS 03 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 protected contour.

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

Reference station has protected zone issue: AM Station

Bromo Communications, Inc.