

**Allocation Study**  
**Translator W280EC**  
Channel 280D – 103.9 MHz  
0.038 kW ERP (DA) – 176.7 m COR AMSL  
Concord, New Hampshire  
February 2023

Searching from Proposed Site

REFERENCE CH# 280D - 103.9 MHz, Pwr= 0.038 kW DA, HAAT= 41.5 M, COR= 176.7 M DISPLAY DATES  
43 11 41.0 N. Average Protected F(50-50)= 5.2 km DATA 02-22-23  
71 33 18.0 W. Standard Directional SEARCH 02-22-23

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*
280D Concord	W280EC	STA	DHN NH	73.6 253.7	9.70 0000207477	43 13 09.30 71 26 24.30	0.010 163	316	---Reference---		
280D Concord	W280EC	LIC	DHN NH	73.6 253.7	9.70 BLFT20090126ADU	43 13 09.30 71 26 24.30	0.010 163	316	---Reference---		
279C North Conway	AL0145	RSV-A	N NH	9.5 189.7	121.31 RM9153	44 16 14.24 71 18 13.28	100.000 600	131.1 1391	86.1 From CDBS	-16.1*	20.4
279C North Conway	RS8423	RSV-A	N NH	9.5 189.7	121.31	44 16 14.24 71 18 13.28	100.000 600	131.1 1391	86.1 From CDBS	-16.1*	20.4
279C North Conway	WPKQ	LIC	DCN NH	9.5 189.6	121.27 BLH20080822ABO	44 16 13.20 71 18 15.20	22.500 1159	122.5 1942	84.0 Townsquare License, LLC	-7.6*	28.7
279B Keene	WKNE	LIC	CN NH	255.1 74.5	68.31 0000124902	43 02 00.00 72 22 02.00	12.000 302	69.3 576	59.6 Saga Communications Of New	-4.8*	1.6
282D Concord	W282AF	LIC	DCN NH	73.8 253.9	9.69 BLFT20180911AAQ	43 13 08.30 71 26 24.30	0.010 0.2	316	8.5 New Hampshire Gospel Radio	3.8	0.8
283B Fitchburg	WXLO	LIC	CN MA	196.2 16.1	79.53 BMLH19910920KB	42 30 27.30 71 49 35.20	37.000 172	6.5 404	66.6 Radio License Holding Cbc,	69.2	11.0
278D Manchester	W278CJ	LIC	DVN NH	168.5 348.5	20.89 0000122268	43 00 38.00 71 30 13.00	0.250 1.0	143	6.2 Absolute Broadcasting, LLC	14.2	13.6
281B Boston	WWBX	LIC	CN MA	157.6 337.9	101.80 BLHT9911018KD	42 20 50.30 71 04 57.10	21.000 235	76.4 258	64.8 Audacy License, LLC	18.7	26.6
277D Laconia	W277DJ	APP	DCN NH	20.0 200.2	41.59 0000210958	43 32 45.60 71 22 41.10	0.190 1.0	546	20.4 Costa-Eagle Radio Ventures	34.6	20.7
277D Laconia	W277DJ	LIC	CN NH	5.2 185.2	34.86 BLFT20180517ABC	43 30 25.20 71 30 58.20	0.250 1.1	195	7.1 Costa-Eagle Radio Ventures	27.3	27.3
280D Portsmouth	W280DG	LIC	CN NH	101.6 282.2	66.44 BLFT20150828AAT	43 04 16.90 70 45 13.40	0.250 23.8	31	7.1 New Hampshire Public Radio	36.0	39.4
277B Boston	WBGB	LIC	CN MA	164.5 344.8	102.26 BLH20101105AAI	42 18 27.70 71 13 24.90	8.700 351	4.9 392	64.2 Audacy License, LLC	91.1	37.5
282A Enfield	R10401	VAC		316.4 136.0	68.82	43 38 30.26 72 08 40.30	6.000 100	2.2 443	23.6 From CDBS	60.6	41.2
281D Keene	W281AU	LIC	DCN NH	253.6 73.0	68.01 BLFT20181130AAN	43 01 08.20 72 21 27.30	0.250 19.2	450	12.4 Saga Communications Of New	45.5	50.1
279D Haverhill	W279DH	LIC	DCN MA	141.5 321.8	59.73 BMLFT20170330AAJ	42 46 23.30 71 05 59.20	0.100 5.3	148	3.8 Costa-Eagle Radio Venture	47.1	46.7

Terrain database is GLOBE 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.

All separation margins (if shown) include rounding. Call signs with exclamation marks need not be protected.  
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.

Reference station has protected zone issue: AM tower

**Bromo Communications, Inc.**