

CDBS ALLOCATION STUDY

Job Title: Proposed WICN
Channel: 213
ERP = 1.1 kW HAAT = 324 m

Separation Buffer: 50 km
Coordinates: 42-18-11 71-53-52

Callsign ID	City St.	File Status	Channel Freq	ERP(kW) HAAT (m)	DA ID	Latitude Longitude	73 215 (deg)	Bear	Dist. (km)	Req. (km)
NEW 176684	NEW SALEM MA	BNPED APP	210 A 89.9	0.18 145	N	42-30-23 072-19-52	N 302.6	42.22	34.2	Close
Proposed	60.0 dBu	Desired = 14.3 km	Proposed	100.0 dbu	Undesired = 2.1					
Proposed	60.0 dBu	Desired = 33.2 km	NEW	100.0 dbu	Undesired = .9					
NEW 172383	ATHOL MA	BNPED APP	210 A 89.9	1.8 229	Y	42-30-22 072-20-42	N 301.7	43.18	35.7	Close
Proposed	60.0 dBu	Desired = 31.5 km	Proposed	100.0 dbu	Undesired = 2.1					
Proposed	60.0 dBu	Desired = 33.2 km	NEW	100.0 dbu	Undesired = 2.5					
NEW 174754	ATHOL MA	BNPED APP	210 A 89.9	2.0 64	N	42-34-16 072-19-07	N 310.9	45.67	35.0	Close
Proposed	60.0 dBu	Desired = 17.6 km	Proposed	100.0 dbu	Undesired = 2.1					
Proposed	60.0 dBu	Desired = 33.2 km	NEW	100.0 dbu	Undesired = 1.7					
WYCM 4102	CHARLTON MA	BLEDM LIC	211 A 90.1	0.1 164	N	42-08-01 071-57-26	N 194.6	19.45	33.9	Short ¹
Proposed	60.0 dBu	Desired = 13.2 km	Proposed	100.0 dbu	Undesired = 2.1					
Proposed	60.0 dBu	Desired = 33.2 km	WYCM	100.0 dbu	Undesired = .7					
NEW 177374	FITCHBURG MA	BNPED CP	211 A 90.1	0.1 100	Y	42-35-12 071-51-12	N 6.6	31.72	33.9	Short ²
Proposed	60.0 dBu	Desired = 10.3 km	Proposed	100.0 dbu	Undesired = 2.1					
Proposed	60.0 dBu	Desired = 33.2 km	NEW	100.0 dbu	Undesired = .7					
WZBC 68240	NEWTON MA	BMLED LIC	212 A 90.3	1.0 98	N	42-20-05 071-10-31	N 86.4	59.67	68.5	Short ³
Proposed	60.0 dBu	Desired = 18.4 km	Proposed	54.0 dbu	Undesired = 50.1					
Proposed	60.0 dBu	Desired = 33.2 km	WZBC	54.0 dbu	Undesired = 27.1					
WRIU 69206	KINGSTON RI	BLEDM LIC	212 A 90.3	3.4 158		41-29-52 071-31-43	N 161.0	94.54	80.6	Close
Proposed	60.0 dBu	Desired = 30.5 km	Proposed	54.0 dbu	Undesired = 50.1					
Proposed	60.0 dBu	Desired = 33.2 km	WRIU	54.0 dbu	Undesired = 46.0					
WAMC-FM 70849	ALBANY NY	BMLED LIC	212 B 90.3	10.0 821	N	42-38-14 073-10-07	N 290.0	110.91	143.2	Short ³
Proposed	60.0 dBu	Desired = 75.4 km	Proposed	54.0 dbu	Undesired = 50.1					
Proposed	60.0 dBu	Desired = 33.2 km	WAMC-FM	54.0 dbu	Undesired = 110.0					
WICN 72379	WORCESTER MA	BMPED CP	213 B1 90.5	1.1 324	Y	42-18-11 071-53-52	N 90.0			
WICN 72379	WORCESTER MA	BMLED LIC	213 B1 90.5	8.1 166	Y	42-20-09 071-42-57	N 76.2			

¹ Continued waiver of Section 73.509 requested, if necessary. See Exhibit 22 and Figure 5.
² Sufficient contour clearance - detailed study not warranted.
³ No contour overlap - see Figure 4.

Callsign ID	City St.	File Status	Channel Freq	ERP(kW) HAAT(m)	DA ID	Latitude Longitude	73 215	Bear (deg)	Dist. (km)	Req. (km)
NEW 175362	DERRY NH	BNPED APP	213 A 90.5	0.15 178	Y	42-53-07 071-16-03	N	38.3	82.82 -22.01	104.8 Short ⁴
NEW Proposed	60.0 dBu	Desired = 15.3 km	Desired = 33.2 km	Proposed NEW		40.0 dbu 40.0 dbu			Undesired = 89.6	Undesired = 49.7
NEW 173234	AUBURN NH	BNPED APP	213 A 90.5	0.1 43	N	42-57-25 071-21-39.1	N	31.0	84.95 -11.31	96.3 Short ³
NEW Proposed	60.0 dBu	Desired = 6.7 km	Desired = 33.2 km	Proposed NEW		40.0 dbu 40.0 dbu			Undesired = 89.6	Undesired = 22.4
WSPS 62166	CONCORD NH	BLED LIC	213 A 90.5	0.2 27	N	43-11-37 071-34-29	N	14.8	102.4 6.13	96.3 Close
WSPS Proposed	60.0 dBu	Desired = 6.7 km	Desired = 33.2 km	Proposed WSPS		40.0 dbu 40.0 dbu			Undesired = 89.6	Undesired = 22.4
WPEA 68250	EXETER NH	BLED LIC	213 A 90.5	0.1 35	N	42-58-44 070-57-00	N	45.6	108.07 12.46	95.6 Close
WPEA Proposed	60.0 dBu	Desired = 6.0 km	Desired = 33.2 km	Proposed WPEA		40.0 dbu 40.0 dbu			Undesired = 89.6	Undesired = 20.1
WPKT 13627	MERIDEN CT	BLED LIC	213 B 90.5	18.5 314	Y	41-33-42 072-50-41	N	223.9	113.8 -54.23	168.0 Short ³
WPKT Proposed	60.0 dBu	Desired = 56.7 km	Desired = 33.2 km	Proposed WPKT		40.0 dbu 40.0 dbu			Undesired = 89.6	Undesired = 134.8
WSMA 122202	SCITUATE MA	BLED LIC	213 B1 90.5	7.7 164	Y	41-56-02 070-35-10	N	110.3	115.97 -17.45	133.4 Short ³
WSMA Proposed	60.0 dBu	Desired = 37.7 km	Desired = 33.2 km	Proposed WSMA		40.0 dbu 40.0 dbu			Undesired = 89.6	Undesired = 100.2
WSMA 122202	SCITUATE MA	BMLED APP	213 B1 90.5	7.7 164	Y	41-56-02 070-35-10	N	110.3	115.97 -17.45	133.4 Short ³
WSMA Proposed	60.0 dBu	Desired = 37.7 km	Desired = 33.2 km	Proposed WSMA		40.0 dbu 40.0 dbu			Undesired = 89.6	Undesired = 100.2
WTCC 62018	SPRINGFIELD MA	BMLED LIC	214 A 90.7	4.0 73	N	42-06-32 072-34-45	N	249.2	60.26 -12.10	72.4 Short ⁵
WTCC Proposed	60.0 dBu	Desired = 22.3 km	Desired = 33.2 km	Proposed WTCC		54.0 dbu 54.0 dbu			Undesired = 50.1	Undesired = 33.3
NEW 171698	PLAINFIELD CT	BNPED APP	214 A 90.7	0.9 168	Y	41-42-45.6 071-49-08.7	N	174.3	65.9 -7.44	73.3 Short ⁵
NEW Proposed	60.0 dBu	Desired = 23.2 km	Desired = 33.2 km	Proposed NEW		54.0 dbu 54.0 dbu			Undesired = 50.1	Undesired = 34.7
NEW 173091	WAUREGAN CT	BNPED APP	214 A 90.7	1.152 119	Y	41-40-29 071-52-47	N	178.8	69.81 -1.34	71.1 Short ⁵
NEW Proposed	60.0 dBu	Desired = 21.0 km	Desired = 33.2 km	Proposed NEW		54.0 dbu 54.0 dbu			Undesired = 50.1	Undesired = 31.1
NEW 175975	DANIELSON CT	BNPED APP	214 A 90.7	1.7 185	Y	41-39-44 071-50-51	N	176.6	71.3 -6.74	78.0 Short ⁵
NEW Proposed	60.0 dBu	Desired = 27.9 km	Desired = 33.2 km	Proposed NEW		54.0 dbu 54.0 dbu			Undesired = 50.1	Undesired = 42.1
NEW 159759	HOPE VALLE RI	BNPED APP	214 A 90.7	0.53 146	Y	41-38-27 071-45-12	N	170.7	74.52 5.25	69.3 Close
NEW Proposed	60.0 dBu	Desired = 19.2 km	Desired = 33.2 km	Proposed NEW		54.0 dbu 54.0 dbu			Undesired = 50.1	Undesired = 28.3

⁴ No contour overlap - see Figure 4.

⁵ Sufficient contour clearance - detailed study not warranted.

Callsign ID	City St.	File Status	Channel Freq	ERP(kW) HAAT(m)	DA ID	Latitude Longitude	73 215	Bear (deg)	Dist. (km)	Req. (km)
WLMW 35251	MANCHESTER NH	BLED LIC 19970829KB	214 A 90.7	0.015 265	Y	42-58-59 071-35-25	N	18.3	79.64 18.98	60.7 Clear
WLMW Proposed	60.0 dBu	Desired = 10.5 km	Proposed 60.0 dBu	Desired = 33.2 km	WLMW	54.0 dbu	Undesired = 50.1	Undesired = 14.7		
WEVN 48440	KEENE NH	BLED LIC 20030815ADI	214 B1 90.7	1.5 412	Y	43-02-00 072-22-04	N	334.8	89.81 -3.82	93.6 Short ⁶
WEVN Proposed	60.0 dBu	Desired = 39.8 km	Proposed 60.0 dBu	Desired = 33.2 km	WEVN	54.0 dbu	Undesired = 50.1	Undesired = 60.4		
WBUR-FM 68241	BOSTON MA	BLED LIC 20050812AGN	215 B 90.9	12.0 333	Y	42-18-27 071-13-27	N	89.3	55.55 -0.52	56.1 Short ⁷
WBUR-FM Proposed	60.0 dBu	Desired = 53.9 km	Proposed 60.0 dBu	Desired = 33.2 km	WBUR-FM	100.0 dbu	Undesired = 2.1	Undesired = 5.5		
NEW 171988	EAST BROOK MA	BNPED APP 20071022AUG	216 A 91.1	0.45 138	Y	42-17-13 072-06-32	N	264.2	17.5 -17.09	34.6 Short ⁷
NEW Proposed	60.0 dBu	Desired = 17.8 km	Proposed 60.0 dBu	Desired = 33.2 km	NEW	100.0 dbu	Undesired = 2.1	Undesired = 1.4		
WKMY 92287	WINCHENDON MA	BLED LIC 20060302ACZ	216 A 91.1	0.06 190	N	42-42-09 072-02-18	N	345.5	45.85 12.07	33.8 Close
WKMY Proposed	60.0 dBu	Desired = 12.5 km	Proposed 60.0 dBu	Desired = 33.2 km	WKMY	100.0 dbu	Undesired = 2.1	Undesired = .5		
WBVC 91189	POMFRET CT	BLED LIC 20010223AAC	216 A 91.1	0.1 162	N	41-53-27 071-57-24	N	186.1	46.05 12.11	33.9 Close
WBVC Proposed	60.0 dBu	Desired = 13.1 km	Proposed 60.0 dBu	Desired = 33.2 km	WBVC	100.0 dbu	Undesired = 2.1	Undesired = .7		

⁶ Sufficient contour clearance - detailed study not warranted.

⁷ No contour overlap - see Figure 4.