

Educational Media Foundation

Exhibit 20

5700 West Oaks Boulevard ♦ Rocklin ♦ California ♦ 95765

Shelter Island, NY

Channel Study

REFERENCE		CH# 277A - 103.3 MHz, Pwr= 5 kW, HAAT= 108.4 M, COR= 114 M								DISPLAY DATES	
40 58 19.3 N.		Average Protected F(50-50)= 28.2 km								DATA	04-21-22
72 20 52.2 W.		73.215 Omni-directional								SEARCH	04-21-22
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)
277A Shelter Island	RI6637%	USE	NY	255.2 75.2	3.02	40 57 54.36 72 22 57.31	6.000 100	83.2 106	25.6 From CDBS	92.0R	-89.0M
277A Shelter Island	NEW/WPLF%	CP	CN NY	218.2 38.1	5.27 0000159190	40 56 05.00 72 23 11.90	4.900 111	82.9 116	26.6 Educational Media Foundati	92.0R	-86.7M
277B Boston	WBGB	LIC	CN MA	31.8 212.5	175.44 BLH20101105AAI	42 18 27.70 71 13 24.90	8.700 351	123.9 392	64.7 Audacy License, LLC	22.9	0.2
276A Bay Shore	WBZO«	LIC	NCN NY	251.6 71.1	76.97 BLH20141218AFF	40 45 03.40 73 12 47.40	1.550 141	36.8 156	24.5 Connoisseur Media Licenses	72.0R	5.0M
280A Riverhead	WRCN-FM«	LIC	CN NY	249.3 69.1	37.56 BLH20001226AAD	40 51 08.40 72 45 53.40	1.400 148	2.0 163	23.4 Jvc Media LLC, A Florida	31.0R	6.6M
275B Hartford	WDRC-FM«	LIC	ZEN CT	327.9 147.6	77.63 BLH20140929AGJ	41 33 44.40 72 50 38.40	19.540 247	5.1 345	62.3 Red Wolf Broadcasting Corp	69.0R	8.6M
279B Westerly	WVEI-FM«	LIC	CN RI	41.6 222.1	89.73 BMLH20041007ACO	41 34 23.40 71 37 56.20	37.000 173	6.2 252	67.2 Audacy License, LLC	69.0R	20.7M
278B Lake Success	WKTU«	LIC	CN NY	260.3 79.2	140.31 BLH20030604ACH	40 44 54.40 73 59 08.50	6.000 415	78.6 429	66.0 Ihm Licenses, LLC	113.0R	27.3M
277A Sharon	WQQQ«	LIC	CN CT	316.3 135.5	146.73 0000164539	41 55 08.30 73 34 20.40	1.500 186	79.7 445	27.5 Wamc, Inc.	115.0R	31.7M
277B Princeton	WPRB«	LIC	CN NJ	249.5 68.0	212.11 BLH20070221AAV	40 16 58.40 74 41 09.60	14.000 222	119.2 257	60.7 Princeton Broadcasting Ser	178.0R	34.1M
274A Narragansett Pier	WNPE«	LIC	NCN RI	55.2 235.7	88.72 BMLE20180302AAY	41 25 26.00 71 28 32.10	1.950 69	1.9 84	19.9 Rhode Island Public Radio	31.0R	57.7M
223B Waterbury	WWYZ«	LIC	CN CT	327.9 147.6	77.72 BLH19940916KD	41 33 47.30 72 50 40.30	17.000 268	0.0 368	0.0 Ihm Licenses, LLC	15.0R	62.7M
274B New York	WNEW-FM«	LIC	CN NY	260.3 79.2	140.31 BLH19940204KH	40 44 54.30 73 59 08.50	6.000 415	4.6 429	66.0 Audacy License, LLC	69.0R	71.3M

Terrain database is FCC NGDC 30 Sec, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM

Contour distances are on direct line to and from reference station. Reference Zone= - Zone 1, 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 restricted contour.

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

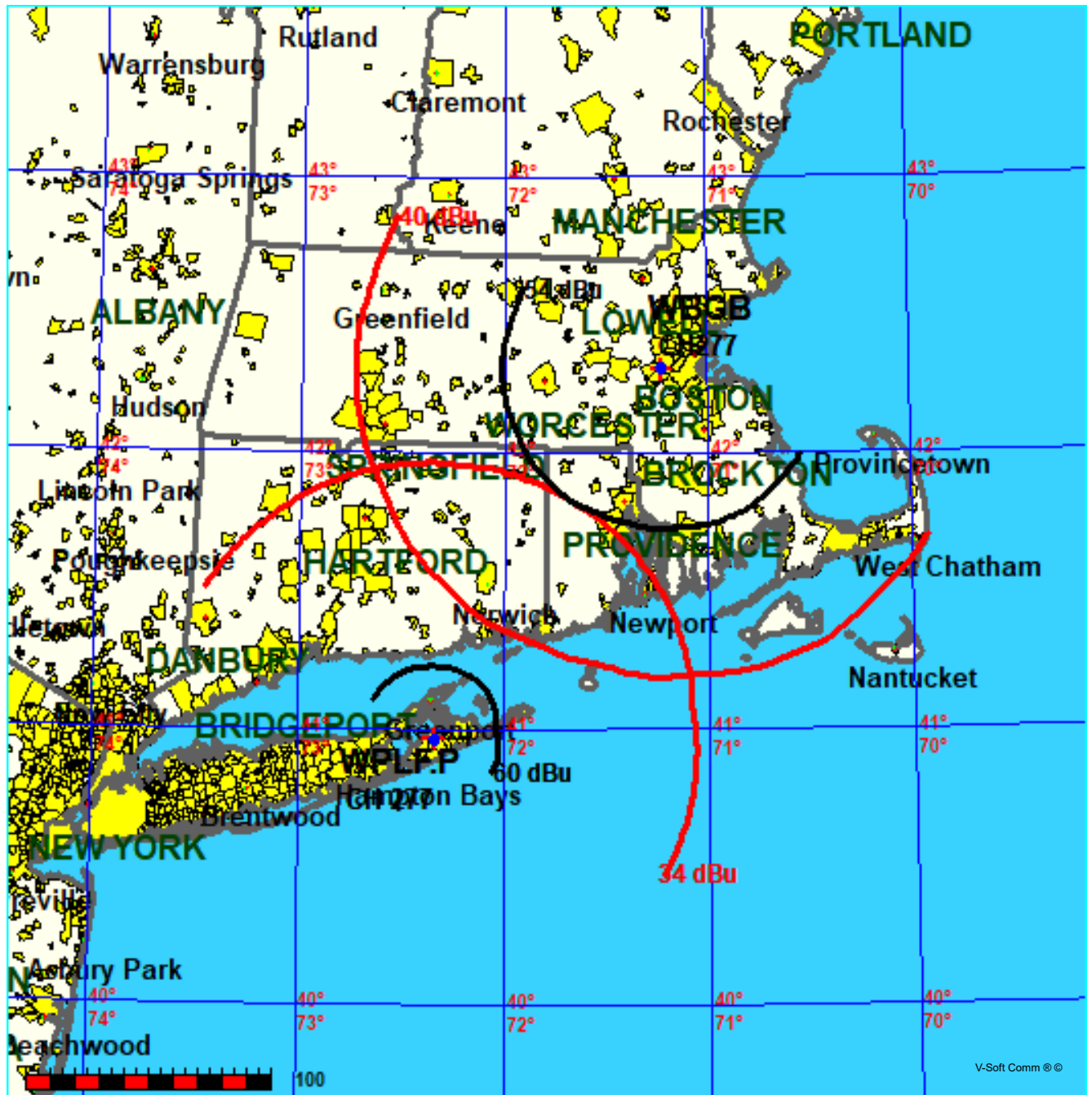
% = Station Fails minimum 73.215 spacings. 73.215 spacings are used.

Exhibit 20-A

FMCommander Single Allocation Study - 04-24-2022 - FCC NGDC 30 Sec
WPLF.P's Overlaps (In= 22.88 km, Out= 0.22 km)

WPLF.P CH 277 A 73.215 N
Lat= 40 58 19.30, Lng= 72 20 52.20
5.0 kW 108.4 m HAAT, 114 m COR
Prot.= 60 dBu, Intef.= 34 dBu

WBGB CH 277 B BLH20101105AAI
Lat= 42 18 27.70, Lng= 71 13 24.90
8.7 kW 351 m HAAT, 391.6 m COR
Prot.= 54 dBu, Intef.= 40 dBu



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Exhibit 20-A1

Shelter Island, NY

WPLF.P vs. WBGB

04-24-2022 Terrain Data: FCC NGDC 30 Sec FMOver Analysis

WBGB BLH20101105AAI

WPLF.P

Channel = 277B
Max ERP = 8.7 kW
RCAMSL = 391.6 m
N. Lat. 42 18 27.70
W. Lng. 71 13 24.90
Protected
54 dBu

Channel = 277A
Max ERP = 5 kW
RCAMSL = 114 m
N. Lat. 40 58 19.30
W. Lng. 72 20 52.20
Interfering
34 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
195.0	008.7000	0329.7	063.9	041.3	005.0000	0114.0	116.2	32.99	
196.0	008.7000	0331.1	064.0	040.9	005.0000	0114.0	115.6	33.10	
197.0	008.7000	0332.2	064.0	040.4	005.0000	0114.0	115.1	33.19	
198.0	008.7000	0333.0	064.1	039.9	005.0000	0114.0	114.6	33.28	
199.0	008.7000	0333.8	064.2	039.4	005.0000	0114.0	114.1	33.37	
200.0	008.7000	0334.2	064.2	038.8	005.0000	0114.0	113.7	33.45	
201.0	008.7000	0333.5	064.1	038.3	005.0000	0114.0	113.4	33.51	
202.0	008.7000	0331.6	064.0	037.7	005.0000	0114.0	113.2	33.54	
203.0	008.7000	0330.0	063.9	037.2	005.0000	0113.9	113.0	33.58	
204.0	008.7000	0329.7	063.9	036.6	005.0000	0113.9	112.7	33.62	
205.0	008.7000	0330.8	063.9	036.1	005.0000	0113.9	112.4	33.69	
206.0	008.7000	0332.7	064.1	035.5	005.0000	0113.8	112.0	33.75	
207.0	008.7000	0334.3	064.2	035.0	005.0000	0113.7	111.7	33.80	
208.0	008.7000	0335.5	064.3	034.4	005.0000	0113.6	111.5	33.85	
209.0	008.7000	0336.7	064.4	033.9	005.0000	0113.4	111.3	33.88	
210.0	008.7000	0337.7	064.4	033.3	005.0000	0113.3	111.1	33.91	
211.0	008.7000	0338.6	064.5	032.7	005.0000	0113.1	111.0	33.93	
212.0	008.7000	0339.9	064.6	032.1	005.0000	0112.9	110.8	33.95	
213.0	008.7000	0341.9	064.7	031.5	005.0000	0112.7	110.7	33.97	
214.0	008.7000	0344.1	064.9	030.9	005.0000	0112.6	110.6	33.99	
215.0	008.7000	0345.6	065.0	030.4	005.0000	0112.4	110.5	33.99	
216.0	008.7000	0346.0	065.0	029.8	005.0000	0112.3	110.6	33.98	
217.0	008.7000	0345.9	065.0	029.2	005.0000	0112.3	110.7	33.95	
218.0	008.7000	0345.6	065.0	028.6	005.0000	0112.2	110.9	33.92	
219.0	008.7000	0345.1	065.0	028.0	005.0000	0112.2	111.1	33.88	
220.0	008.7000	0344.5	064.9	027.5	005.0000	0112.2	111.3	33.83	
221.0	008.7000	0343.6	064.9	026.9	005.0000	0112.2	111.7	33.77	
222.0	008.7000	0342.4	064.8	026.4	005.0000	0112.3	112.0	33.70	
223.0	008.7000	0341.4	064.7	025.8	005.0000	0112.3	112.4	33.63	
224.0	008.7000	0340.7	064.7	025.3	005.0000	0112.3	112.8	33.57	
225.0	008.7000	0340.7	064.7	024.7	005.0000	0112.4	113.1	33.50	
226.0	008.7000	0341.2	064.7	024.2	005.0000	0112.5	113.5	33.44	
227.0	008.7000	0342.2	064.8	023.6	005.0000	0112.6	113.8	33.38	
228.0	008.7000	0343.3	064.8	023.1	005.0000	0112.7	114.2	33.31	
229.0	008.7000	0344.3	064.9	022.6	005.0000	0112.8	114.6	33.24	
230.0	008.7000	0345.0	065.0	022.1	005.0000	0112.9	115.1	33.16	
231.0	008.7000	0345.3	065.0	021.6	005.0000	0112.9	115.6	33.07	
232.0	008.7000	0345.5	065.0	021.1	005.0000	0112.9	116.1	32.98	
233.0	008.7000	0345.7	065.0	020.6	005.0000	0112.9	116.7	32.87	
234.0	008.7000	0345.9	065.0	020.1	005.0000	0112.9	117.3	32.77	
235.0	008.7000	0346.1	065.0	019.6	005.0000	0112.8	117.9	32.66	