

# Marconi Broadcasting Foundation

## CONSOLIDATED REPORT

Tuesday, November 2, 2021

This engineering exhibit supports an application on behalf of Marconi Broadcasting Foundation, for allocate a new Non Commercial Educational station at Somerset ,MA. Marconi Broadcasting Foundation is a Rhode Island non profit Organization founded on 03-22-2016 , with interest to spread the world of God, Teach the world, Teach Broadcasting in informal and formal non degree granting classes to seniors, their families and their care givers, the proposed site at Somerset is a located at a distance of 17.9 mi miles from Marconi Broadcasting Headquarters, then the proposed is a local signal.

Following this narrative is a Full study allocation from first to third adjacent channels demonstrating that is not producing neither receiving interference including intermediate frequencies, TV-6 etc.

Antenna's Patterns Plot.

Table-1 Allocation

Tower Assurance

Contour-to-contour maps showing the protected contours and interfering contours of all relevant FM facilities, showing no prohibited overlaps.

### PROPOSED

ASRN 1268346

41 46 28.8N 71 08 15.7 W (**NAD 83**)

Antenna Type & Model:

CH218

ERP Horizontal Plane (Kw):

Site Elevation:

Antenna Center AG:

Antenna Center AMSL:

Horizontally

Polarized

PSIFML-DA

0.1 Kw

4.2 meters

51 meters

56 meters

Vertically

Polarized

PSIFML-DA

0.1 Kw.

4.2 meters

51 meters

56 meters

The antenna patterns passes 2dB per ten degree, the proposed facility is in compliance with 47 C.F.R. Section 1.1306 with regards to radio-frequency electromagnetic exposure in that the contribution to the rf environment is less than 5% of the maximum public exposure.

This application was prepared using FCC 30-arc-second terrain data. Population data is based on the 2010 census. This application creates a service for 25,396 people in an area of 95.52 square Km. within it's 60 dBu,

Full coverage thru Somerset. MA. a territory of 18.165 based in Census data 2010.

Allocation Marconi Broadcasting Foundation											
REFERENCE		CH#		218A - 91.5		MHz, Pwr= 0.1 kW DA, HAAT= 41.3 M, COR= 66.2 M		DISPLAY DATES			
41 46 28.80 N.						Average Protected F(50-50)= 6.55 km		DATA 11-09-21			
71 08 15.70 W.						Standard Directional		SEARCH 11-09-21			
CH CITY	CALL	TYPE STATE	ANT AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*	
218A Coventry	WCVY	LIC _CN RI	255.6 75.3	39.04 BMLED20110425ABA	41 41 10.30 71 35 35.20	0.200 11	34.5 102	10.3 Coventry Rhode Island Publ	0.2	15.2	
218A Bridgewater	WBIM-FM	LIC DCN MA	30.0 210.1	27.35 BLED19820329AJ	41 59 15.30 70 58 19.10	0.180 22	20.7 45	6.1 Bridgewater State College	1.5	5.1	
216A North Dartmouth	WTKL	LIC _CN MA	146.0 326.1	19.55 BMLED20060623ABP	41 37 43.40 71 00 22.10	1.200 91	1.6 116	16.4 Educational Media Foundati	12.4	2.4	
218B1 Pascoag	WSJQ	LIC DCN RI	298.9 118.5	46.33 BLED20180413AAP	41 58 29.40 71 37 43.20	10.300 5	38.2 131	10.0 Epic Light Network, Inc.	7.3	23.5	
217A Providence	WDOM	LIC _CN RI	287.5 107.3	25.91 0000143699	41 50 39.90 71 26 10.00	0.155 45	14.5 94	10.4 Providence College	7.4	9.9	
271D Providence	W271CR«	LIC _CN RI	287.3 107.1	20.08 BLFT20170811ABB	41 49 40.40 71 22 07.20	0.099	0.0 133	0.0 Video Mundo Broadcasting C	9.5R	10.6M	
215B Boston	WBUR-FM	LIC DCN MA	352.2 172.2	60.10 BLED20170802AEJ	42 18 37.00 71 14 12.00	8.600 358	3.0 401	41.7 Trustees Of Boston Univers	52.7	17.0	
217A Easton	WSHL-FM	LIC DCN MA	8.7 188.8	31.82 BLED19820308AK	42 03 27.30 71 04 45.10	0.100 20	8.6 64	6.1 Stonehill College, Inc.	18.5	19.3	
218A Sandwich	WSDH	LIC _CN MA	94.2 274.7	56.44 BLED19790316AC	41 44 06.30 70 27 33.00	0.310 46	28.9 67	8.7 Sandwich, Massachusetts Pu	21.7	28.6	
220A Falmouth	WFPB-FM	LIC ZEN MA	111.6 291.9	48.20 BLED20130827ABG	41 36 50.30 70 35 54.10	5.200 76	2.4 84	25.0 University Of Massachusett	40.1	22.5	
218A Milton	WMLN-FM	LIC DCN MA	2.2 182.2	51.90 BLED19980724KF	42 14 28.40 71 06 50.20	0.170 29	21.5 63	6.4 Curry College	25.8	31.6	
219A Marshfield	WUMT	LIC _CN MA	46.6 226.9	49.10 BLED20111020AET	42 04 38.30 70 42 19.10	1.100 25	14.5 36	10.4 University Of Massachusett	28.7	30.8	
220A Boston	WUMB-FM	LIC _CN MA	8.0 188.0	53.03 BLED20130916ACM	42 14 49.40 71 02 54.20	0.160 189	0.9 210	14.1 University Of Massachusett	47.4	38.5	
06 -- Westmoreland	W06DH-D/W«	CP _HN NH	353.6 173.5	59.11 0000153588	42 18 10.70 71 13 04.89	0.175	1.6 351	18.6	20.2R	39.0M	
271D Quincy	W271CG«	LIC _CN MA	8.0 188.0	52.98 BLFT20141027AEU	42 14 49.40 71 02 54.20	0.010	0.0 270	0.0 Horizon Christian Fellowsh	9.5R	43.5M	
218D Wellesley	WZLY	LIC _CN MA	346.6 166.4	59.28 BLED19810225AG	42 17 35.30 71 18 19.20	0.007 47	10.0 96	3.1 wellesley College	45.1	44.5	
219B1 Storrs	WHUS	LIC DEN CT	273.1 92.3	93.09 BLED19990413KA	41 48 50.40 72 15 34.30	4.400 150	43.8 313	28.8 The Board Of Trustees, The	45.2	56.9	
217A Framingham	WDJM-FM	LIC _CN MA	336.9 156.7	63.00 BMLED19970418KA	42 17 44.30 71 26 16.20	0.100 27	10.1 99	7.0 Framington State Universit	49.0	51.3	
06 -- Westmoreland	WVCC-LD/W«	LI DHN NH	336.9 156.6	85.79 0000151954	42 29 01.20 71 32 54.00	0.250	1.6 100	2.3	4.0R	81.8M	

Terrain database is FCC 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= - Zone 1, Co to 3rd adjacent.  
All separation margins (if shown) include rounding. Call signs with strikeout 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)  
« = Station meets FCC minimum distance spacing for its class.

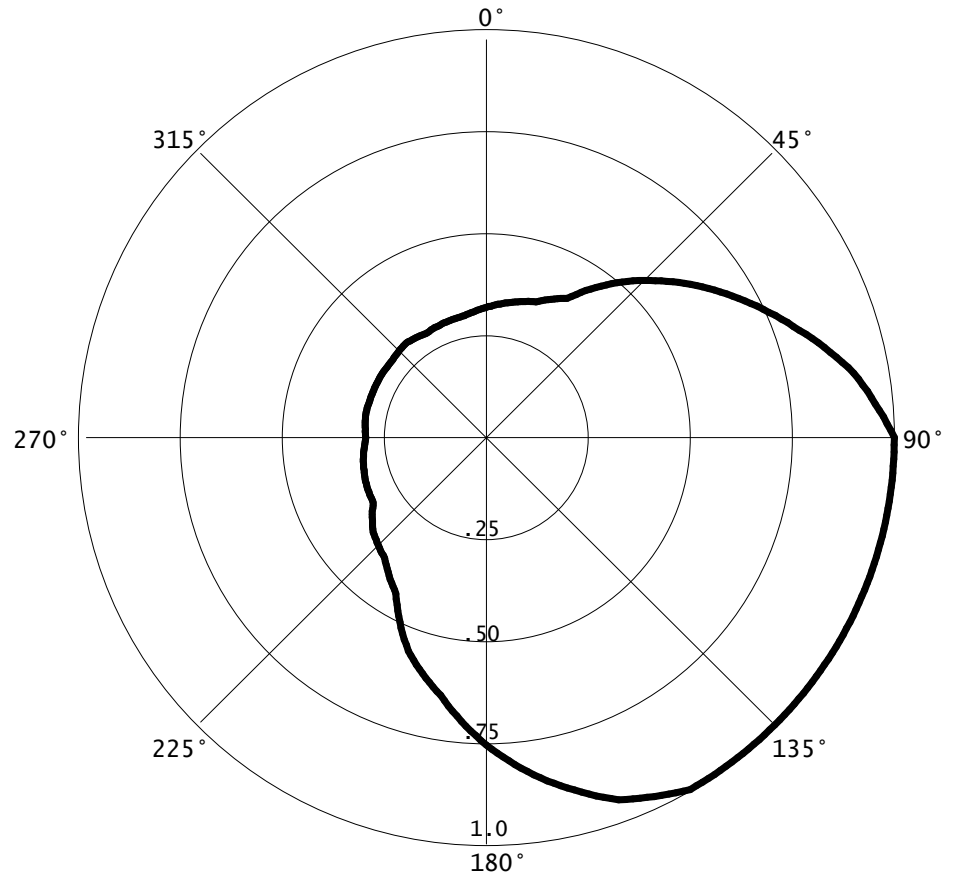
PROPOSED

11-09-2021

RMS(V)= .636

Graph is Relative Field

Azi	Field	dBk	kw
000	0.321	-19.870	0.010
010	0.338	-19.422	0.011
020	0.356	-18.971	0.013
030	0.396	-18.046	0.016
040	0.498	-16.055	0.025
050	0.597	-14.481	0.036
060	0.697	-13.135	0.049
070	0.801	-11.927	0.064
080	0.915	-10.772	0.084
090	1.000	-10.000	0.100
100	1.000	-10.000	0.100
110	1.000	-10.000	0.100
120	1.000	-10.000	0.100
130	1.000	-10.000	0.100
140	1.000	-10.000	0.100
150	1.000	-10.000	0.100
160	0.949	-10.455	0.090
170	0.858	-11.330	0.074
180	0.757	-12.418	0.057
190	0.644	-13.822	0.041
200	0.559	-15.052	0.031
210	0.443	-17.072	0.020
220	0.387	-18.246	0.015
230	0.362	-18.826	0.013
240	0.320	-19.897	0.010
250	0.315	-20.034	0.010
260	0.306	-20.286	0.009
270	0.295	-20.604	0.009
280	0.301	-20.429	0.009
290	0.300	-20.458	0.009
300	0.300	-20.458	0.009
310	0.299	-20.487	0.009
320	0.305	-20.314	0.009
330	0.296	-20.574	0.009
340	0.301	-20.429	0.009
350	0.305	-20.314	0.009

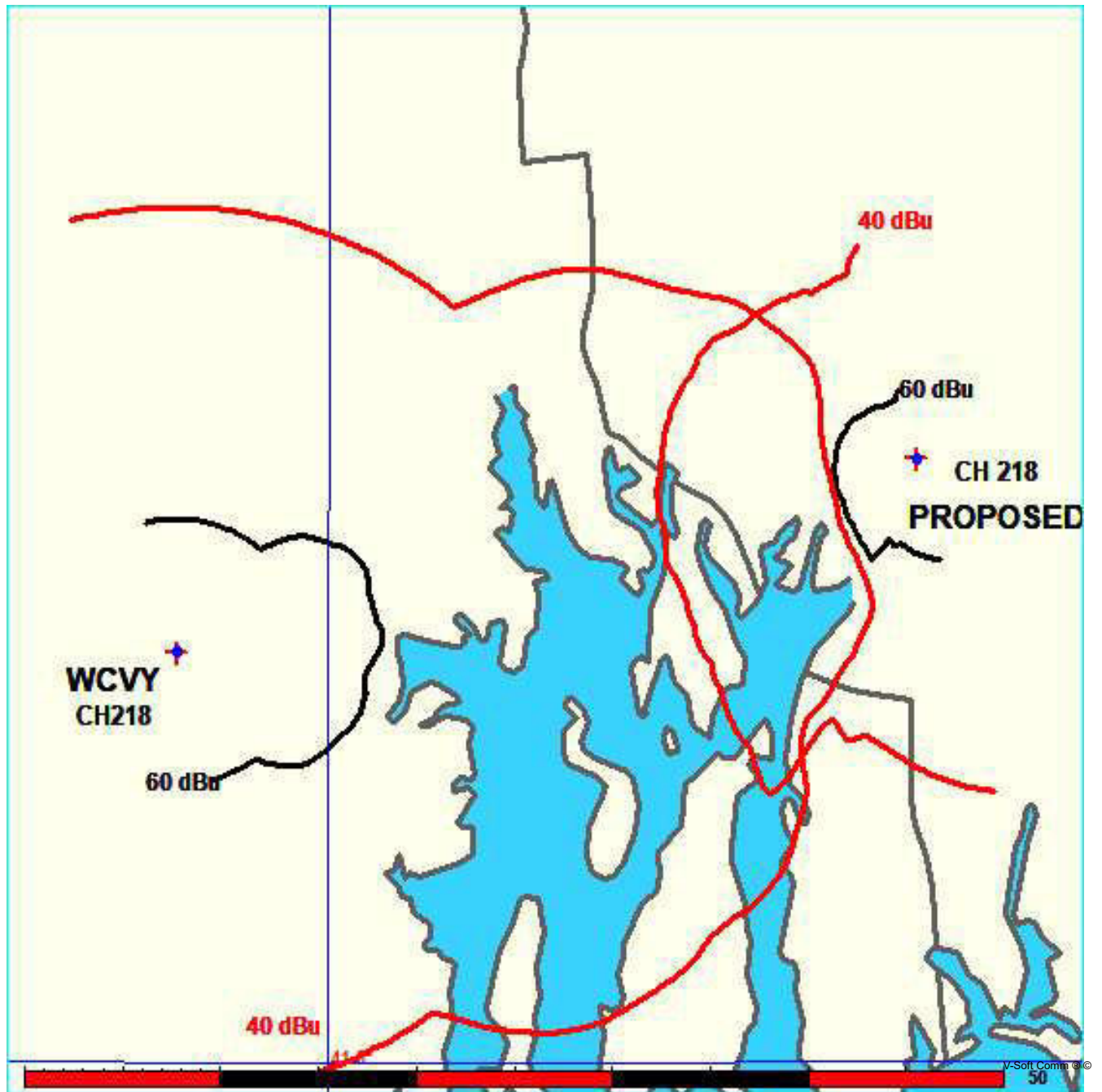


CO-WCVY  
Marconi Broadcasting Foundation

FMCommander Single Allocation Study - 11-09-2021 - FCC NGDC 30 Sec  
PROPOSED's Overlaps (In= 0.19 km, Out= 15.23 km)

PROPOSED CH 218 A DA  
Lat= 41 46 28.80, Lng= 71 08 15.70  
0.1 kW 41.3 m HAAT, 66.2 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

WCVY CH 218 A BMLED20110425ABA  
Lat= 41 41 10.30, Lng= 71 35 35.20  
0.2 kW 11 m HAAT, 102 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

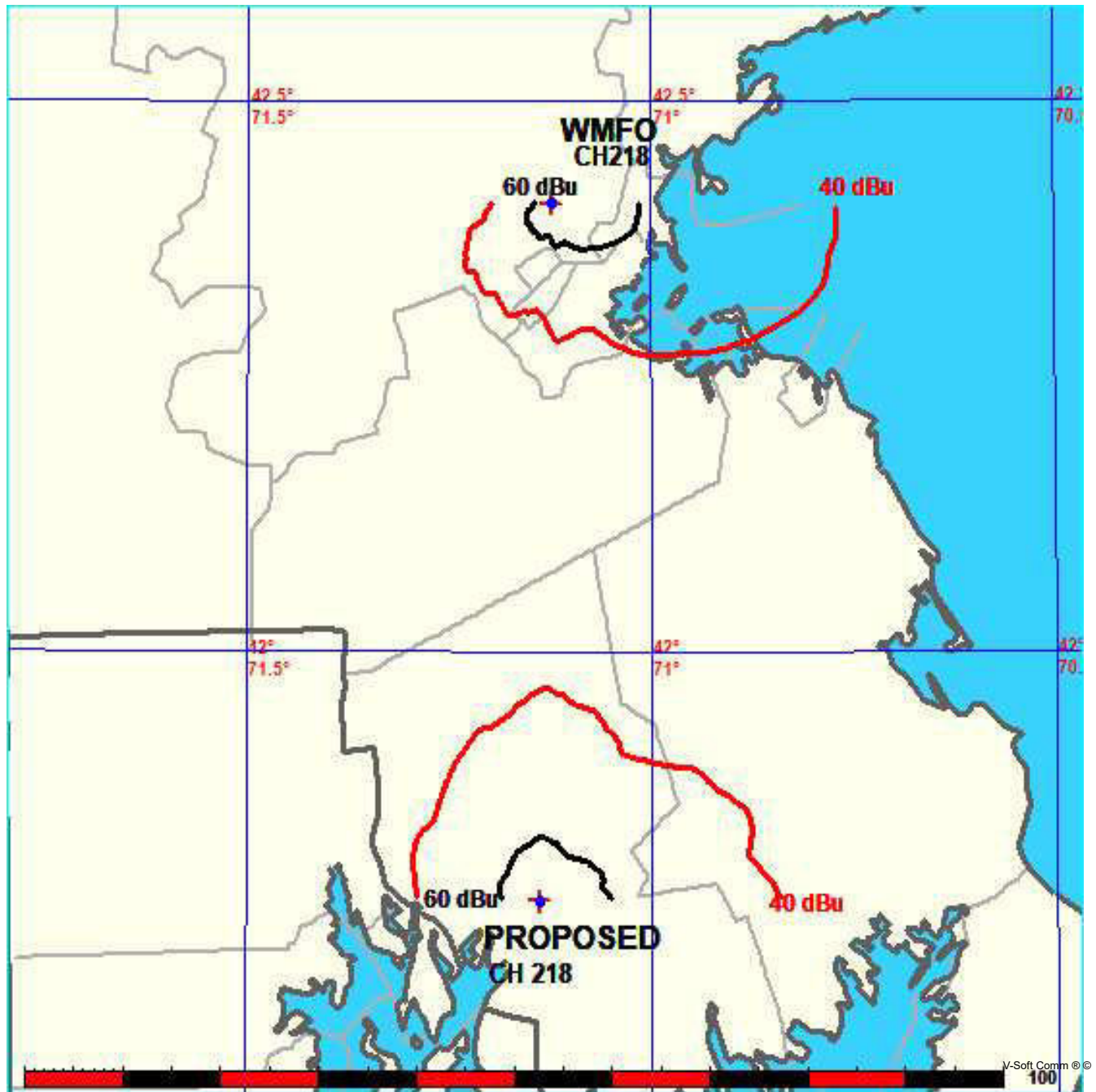


CO-CHANNEL WMFO  
PROPOSED

FMCommander Single Allocation Study - 11-09-2021 - FCC NGDC 30 Sec  
PROPOSED's Overlaps (In= 50.76 km, Out= 44.6 km)

PROPOSED CH 218 A DA  
Lat= 41 46 28.80, Lng= 71 08 15.70  
0.299 kW 51 m HAAT, 56.8 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

WMFO CH 218 A DA BMLED20050809ACP  
Lat= 42 24 27.30, Lng= 71 07 13.10  
0.125 kW 41 m HAAT, 70 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

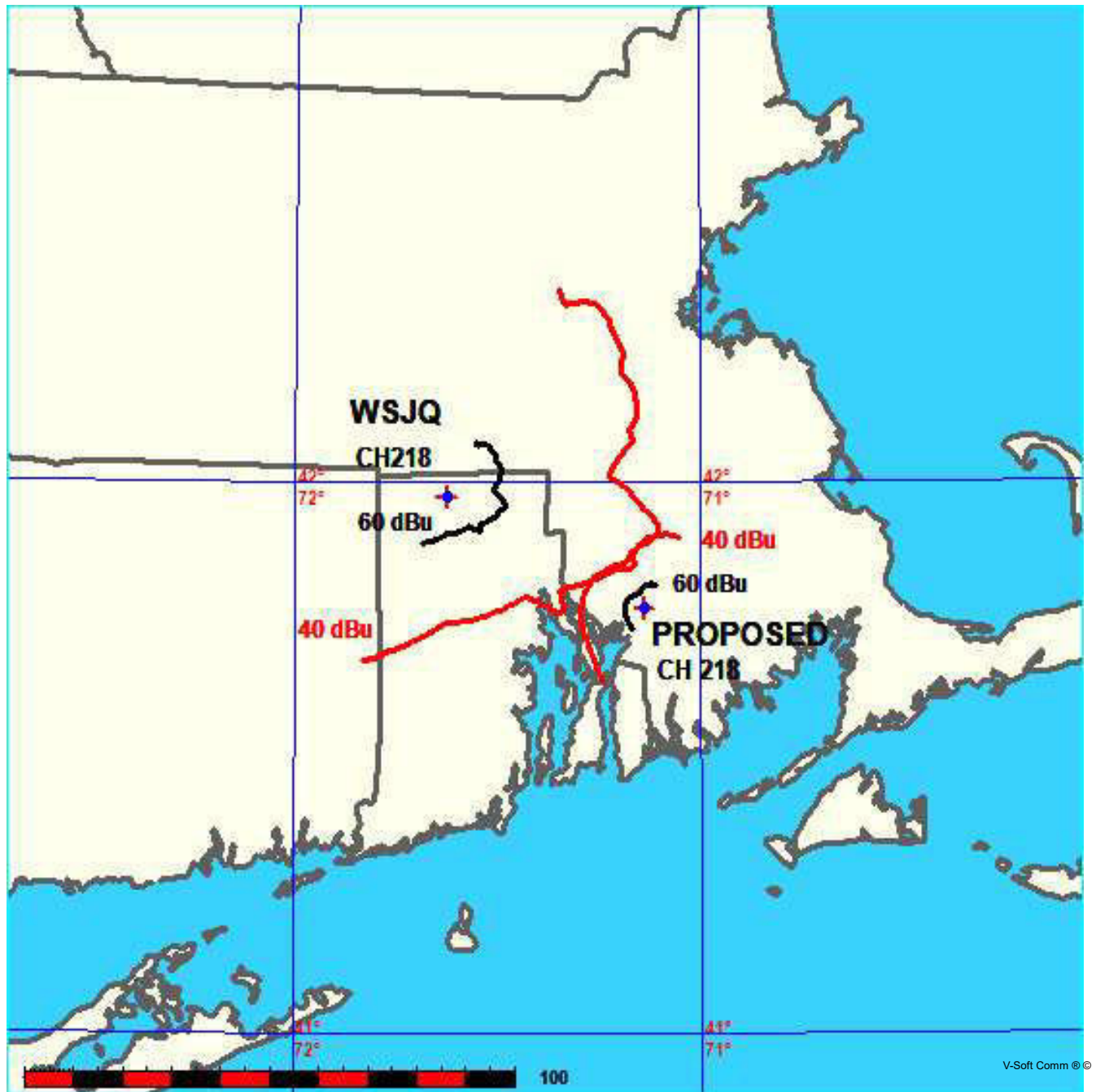


WSJQ  
Marconi Broadcasting Foundation

FMCommander Single Allocation Study - 11-09-2021 - FCC NGDC 30 Sec  
PROPOSED's Overlaps (In= 7.34 km, Out= 23.48 km)

PROPOSED CH 218 A DA  
Lat= 41 46 28.80, Lng= 71 08 15.70  
0.1 kW 41.3 m HAAT, 66.2 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

WSJQ CH 218 B1 DA BLED20180413AAP  
Lat= 41 58 29.40, Lng= 71 37 43.20  
10.3 kW 5 m HAAT, 131 m COR  
Prot.= 60 dBu, Intef.= 40 dBu



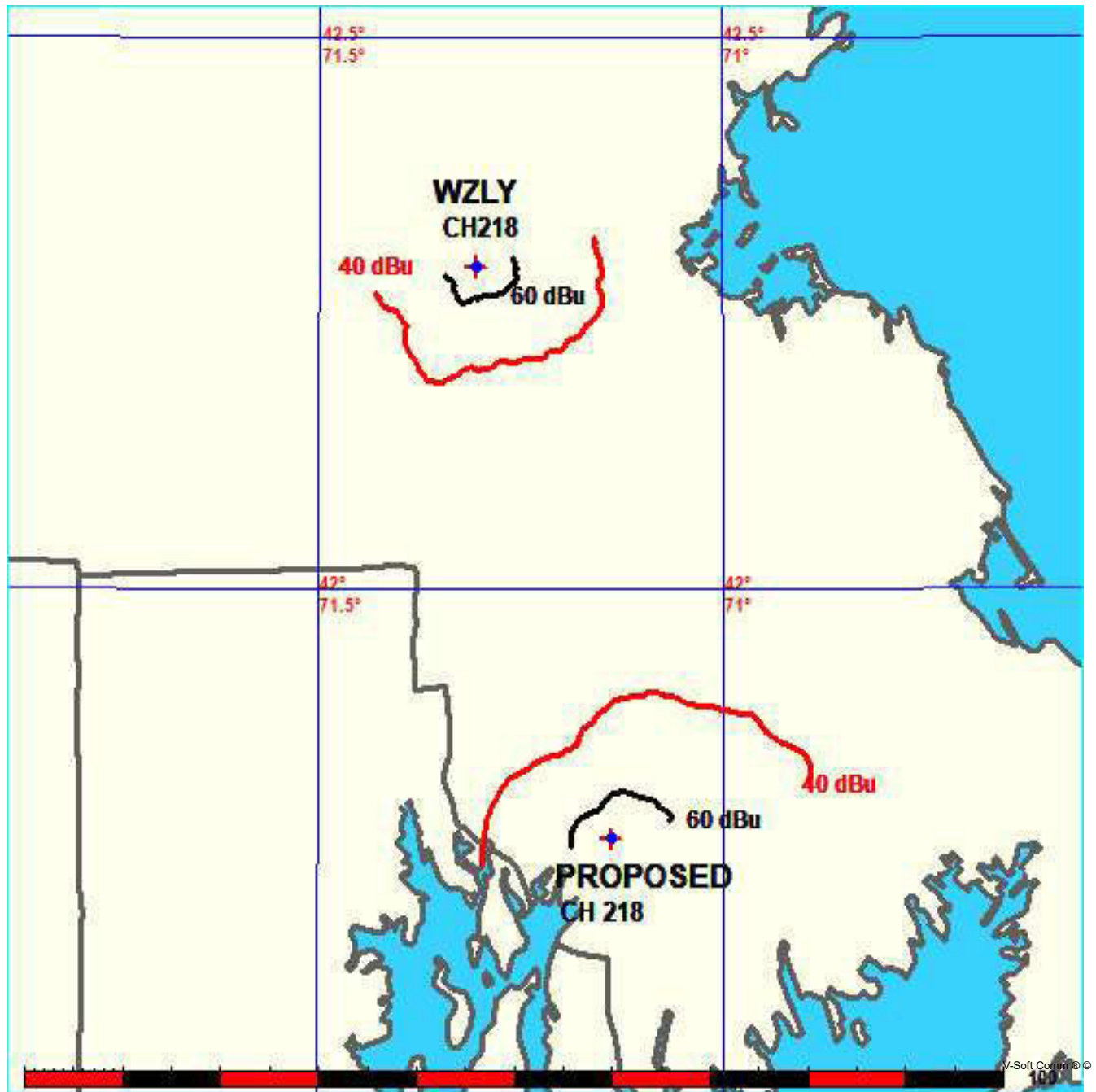


WZLY  
Marconi Broadcasting Foundation

FMCommander Single Allocation Study - 11-09-2021 - FCC NGDC 30 Sec  
PROPOSED's Overlaps (In= 45.08 km, Out= 44.45 km)

PROPOSED CH 218 A DA  
Lat= 41 46 28.80, Lng= 71 08 15.70  
0.1 kW 41.3 m HAAT, 66.2 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

WZLY CH 218 D BLED19810225AG  
Lat= 42 17 35.30, Lng= 71 18 19.20  
0.007 kW 47 m HAAT, 96 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

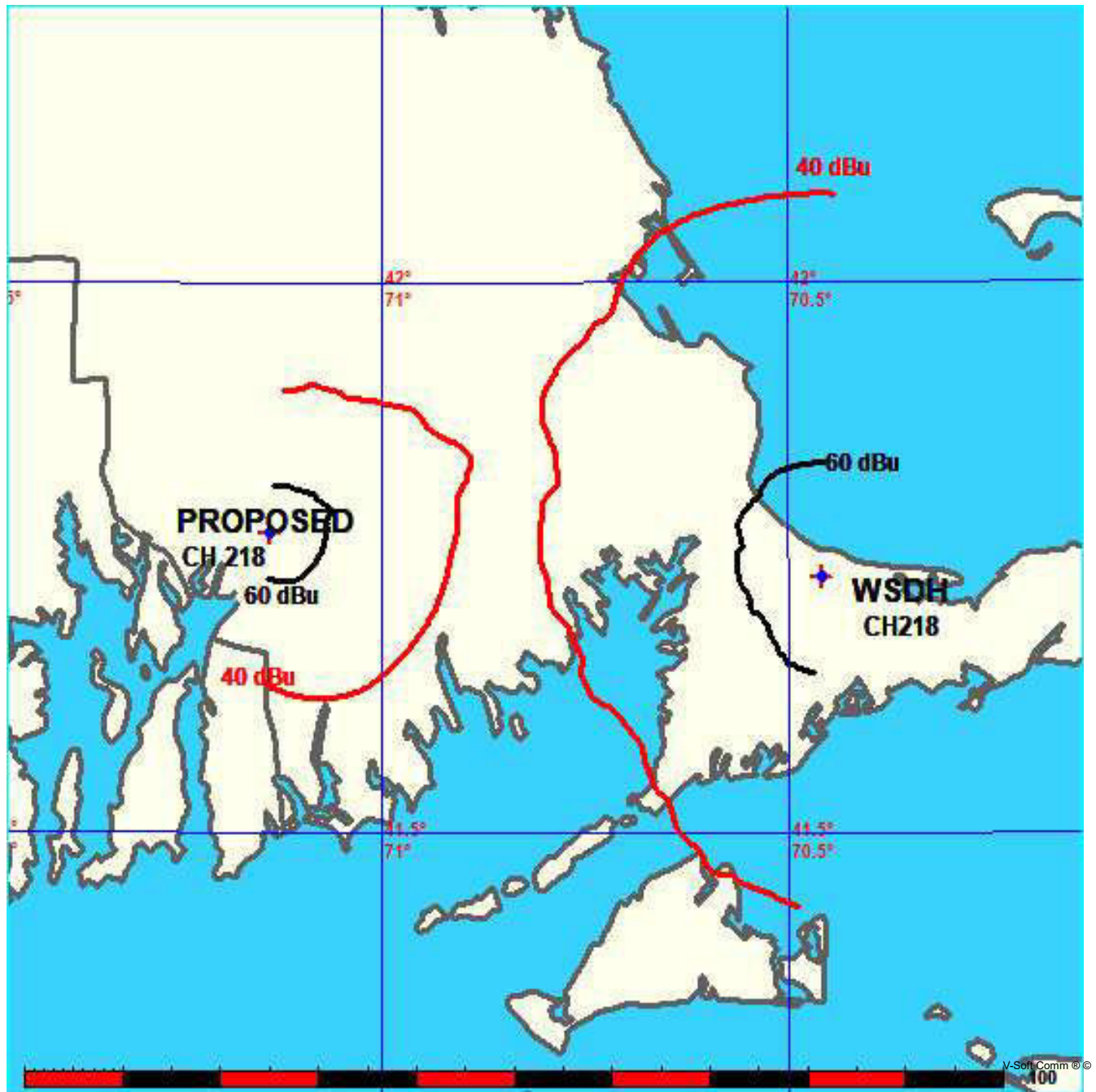


WSDH  
Marconi Broadcasting Foundation

FMCommander Single Allocation Study - 11-09-2021 - FCC NGDC 30 Sec  
PROPOSED's Overlaps (In= 21.71 km, Out= 28.62 km)

PROPOSED CH 218 A DA  
Lat= 41 46 28.80, Lng= 71 08 15.70  
0.1 kW 41.3 m HAAT, 66.2 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

WSDH CH 218 A BLED19790316AC  
Lat= 41 44 06.30, Lng= 70 27 33.00  
0.31 kW 46 m HAAT, 67 m COR  
Prot.= 60 dBu, Intef.= 40 dBu



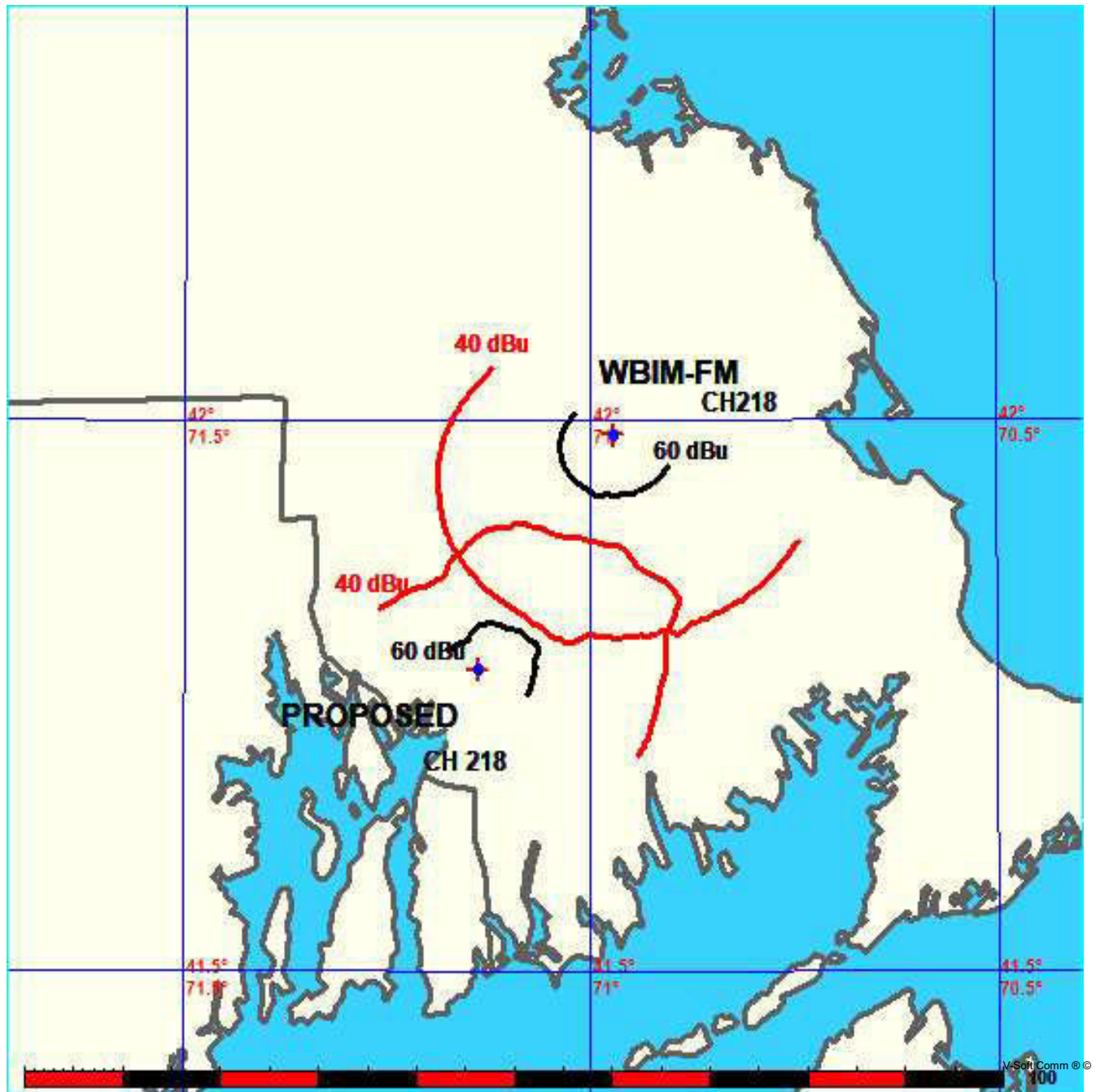


WBIM  
Marconi Broadcasting Foundation

FMCommander Single Allocation Study - 11-09-2021 - FCC NGDC 30 Sec  
PROPOSED's Overlaps (In= 1.51 km, Out= 5.09 km)

PROPOSED CH 218 A DA  
Lat= 41 46 28.80, Lng= 71 08 15.70  
0.1 kW 41.3 m HAAT, 66.2 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

WBIM-FM CH 218 A DA BLED19820329AJ  
Lat= 41 59 15.30, Lng= 70 58 19.10  
0.18 kW 22 m HAAT, 45 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

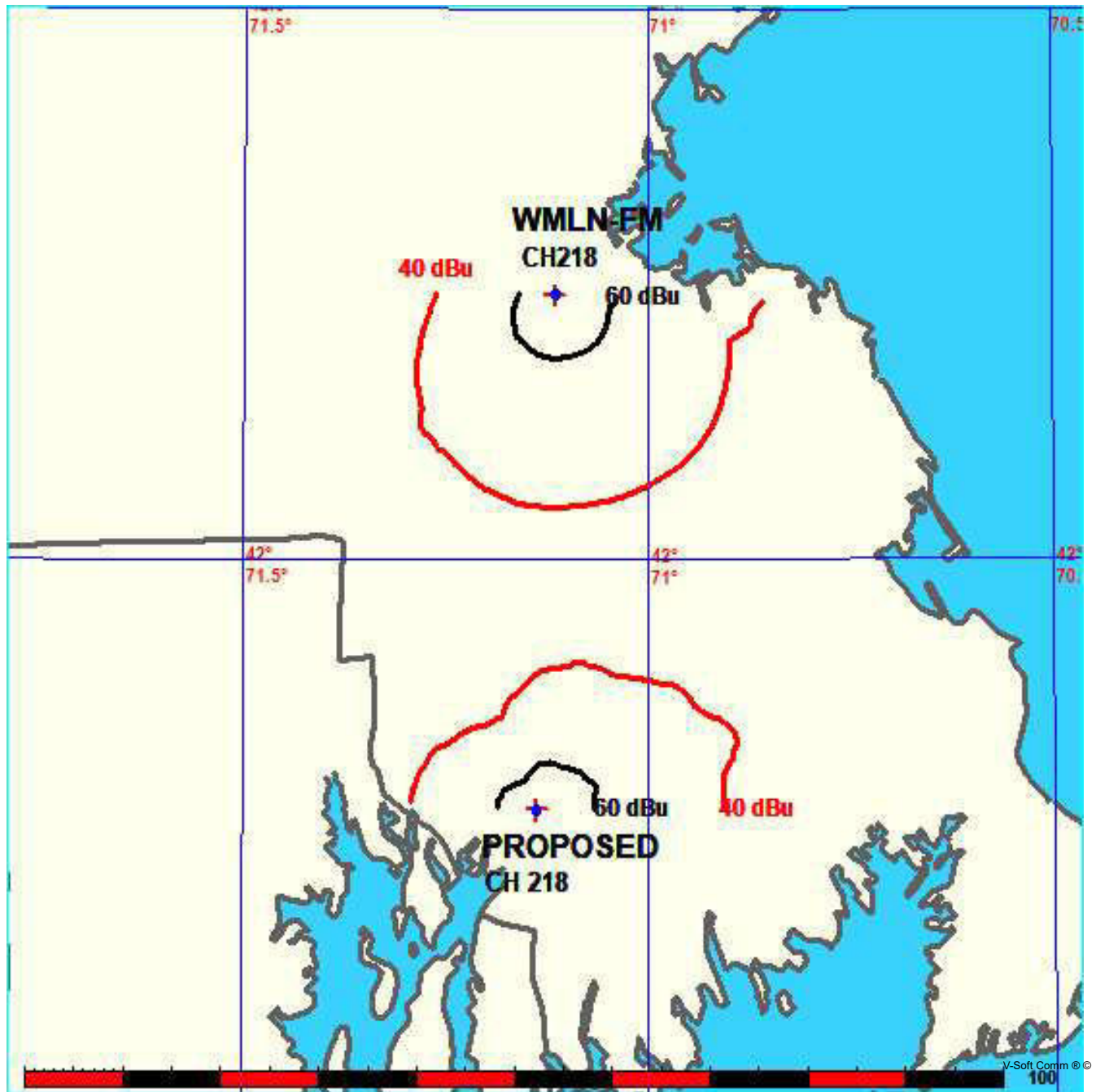


WMLN  
Marconi Broadcasting Foundation

FMCommander Single Allocation Study - 11-09-2021 - FCC NGDC 30 Sec  
PROPOSED's Overlaps (In= 25.77 km, Out= 31.59 km)

PROPOSED CH 218 A DA  
Lat= 41 46 28.80, Lng= 71 08 15.70  
0.1 kW 41.3 m HAAT, 66.2 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

WMLN-FM CH 218 A DA BLED19980724KF  
Lat= 42 14 28.40, Lng= 71 06 50.20  
0.17 kW 29 m HAAT, 63 m COR  
Prot.= 60 dBu, Intef.= 40 dBu

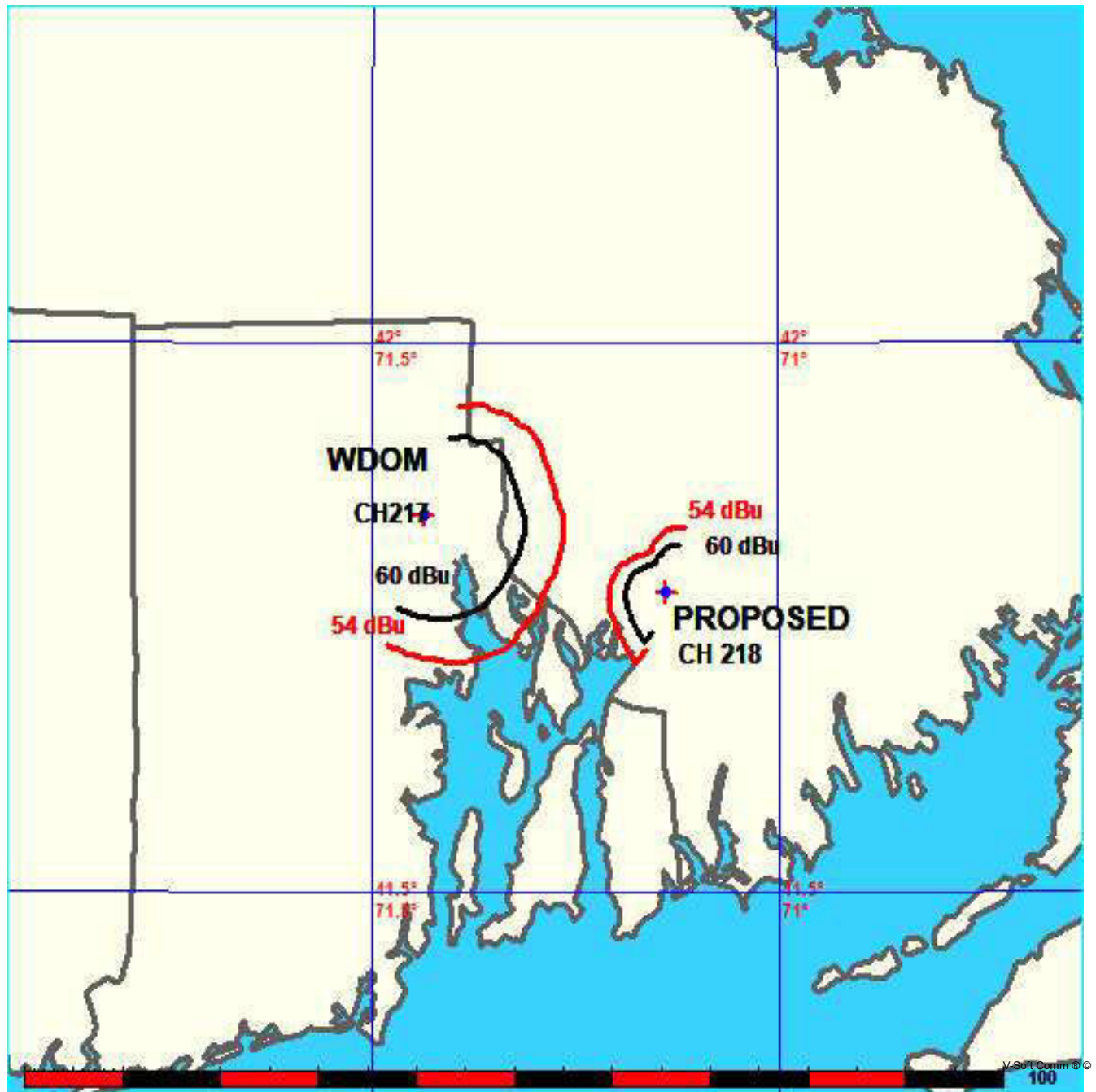


WDOM  
Marconi Broadcasting Foundation

FMCommander Single Allocation Study - 11-09-2021 - FCC NGDC 30 Sec  
PROPOSED's Overlaps (In= 7.43 km, Out= 9.93 km)

PROPOSED CH 218 A DA  
Lat= 41 46 28.80, Lng= 71 08 15.70  
0.1 kW 41.3 m HAAT, 66.2 m COR  
Prot.= 60 dBu, Intef.= 54 dBu

WDOM CH 217 A 0000143699  
Lat= 41 50 39.90, Lng= 71 26 10.00  
0.155 kW 45 m HAAT, 94 m COR  
Prot.= 60 dBu, Intef.= 54 dBu

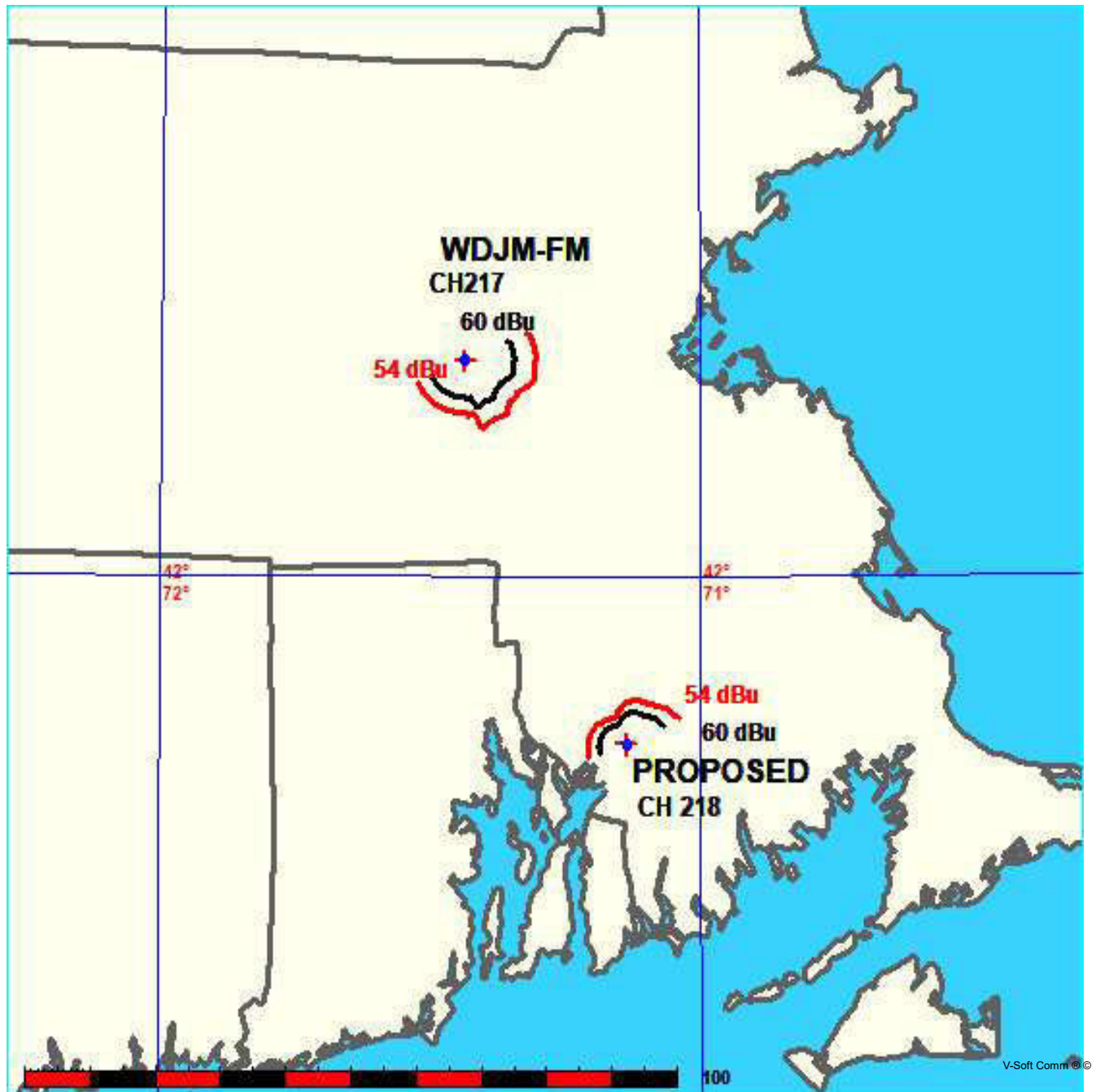


WDJM  
Marconi Broadcasting Foundation

FMCommander Single Allocation Study - 11-09-2021 - FCC NGDC 30 Sec  
PROPOSED's Overlaps (In= 48.97 km, Out= 51.31 km)

PROPOSED CH 218 A DA  
Lat= 41 46 28.80, Lng= 71 08 15.70  
0.1 kW 41.3 m HAAT, 66.2 m COR  
Prot.= 60 dBu, Intef.= 54 dBu

WDJM-FM CH 217 A BMLED19970418KA  
Lat= 42 17 44.30, Lng= 71 26 16.20  
0.1 kW 27 m HAAT, 99 m COR  
Prot.= 60 dBu, Intef.= 54 dBu



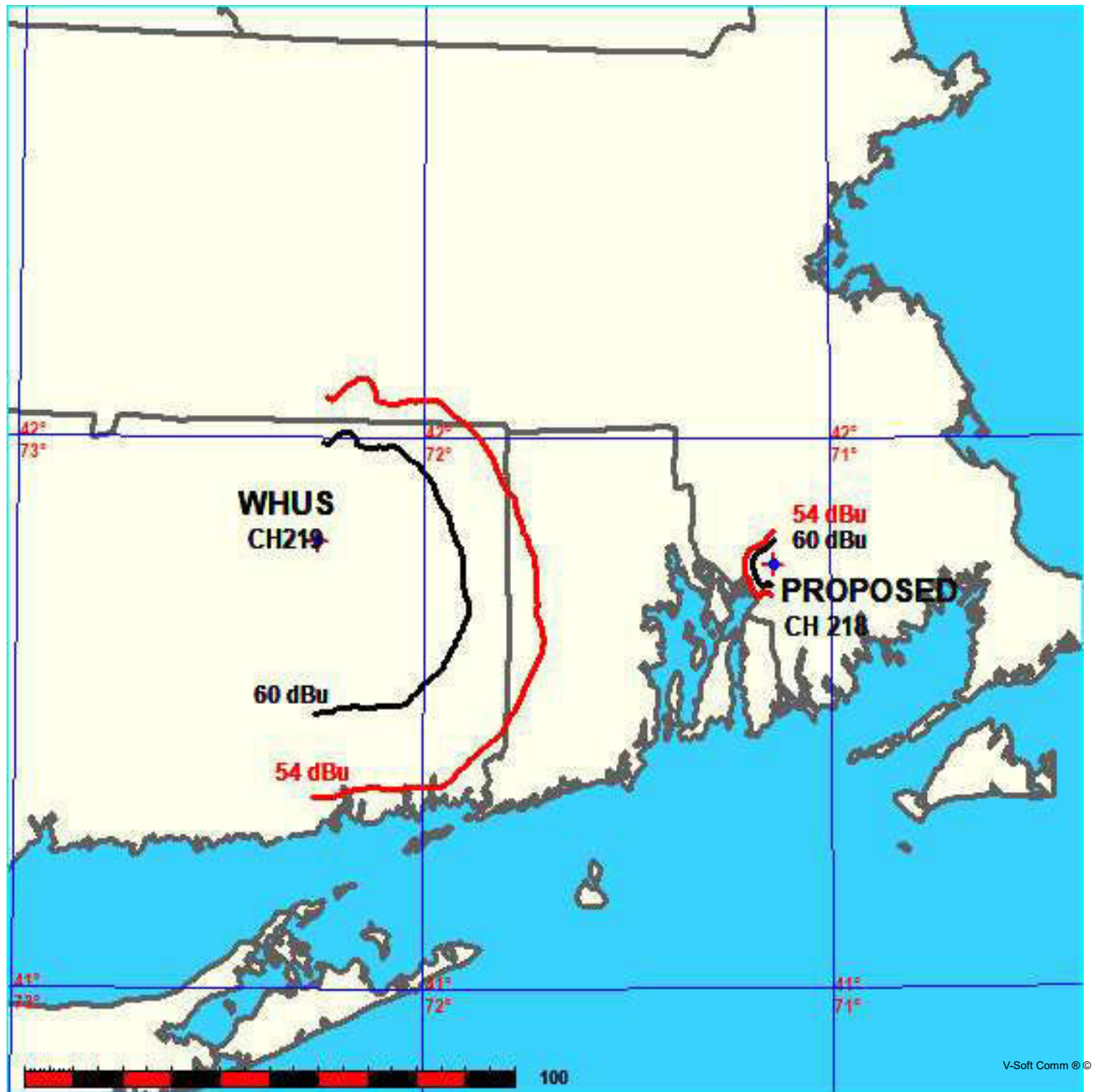


WHUS  
Marconi Broadcasting Foundation

FMCommander Single Allocation Study - 11-09-2021 - FCC NGDC 30 Sec  
PROPOSED's Overlaps (In= 45.16 km, Out= 56.87 km)

PROPOSED CH 218 A DA  
Lat= 41 46 28.80, Lng= 71 08 15.70  
0.1 kW 41.3 m HAAT, 66.2 m COR  
Prot.= 60 dBu, Intef.= 54 dBu

WHUS CH 219 B1 DA BLED19990413KA  
Lat= 41 48 50.40, Lng= 72 15 34.30  
4.4 kW 150 m HAAT, 313 m COR  
Prot.= 60 dBu, Intef.= 54 dBu





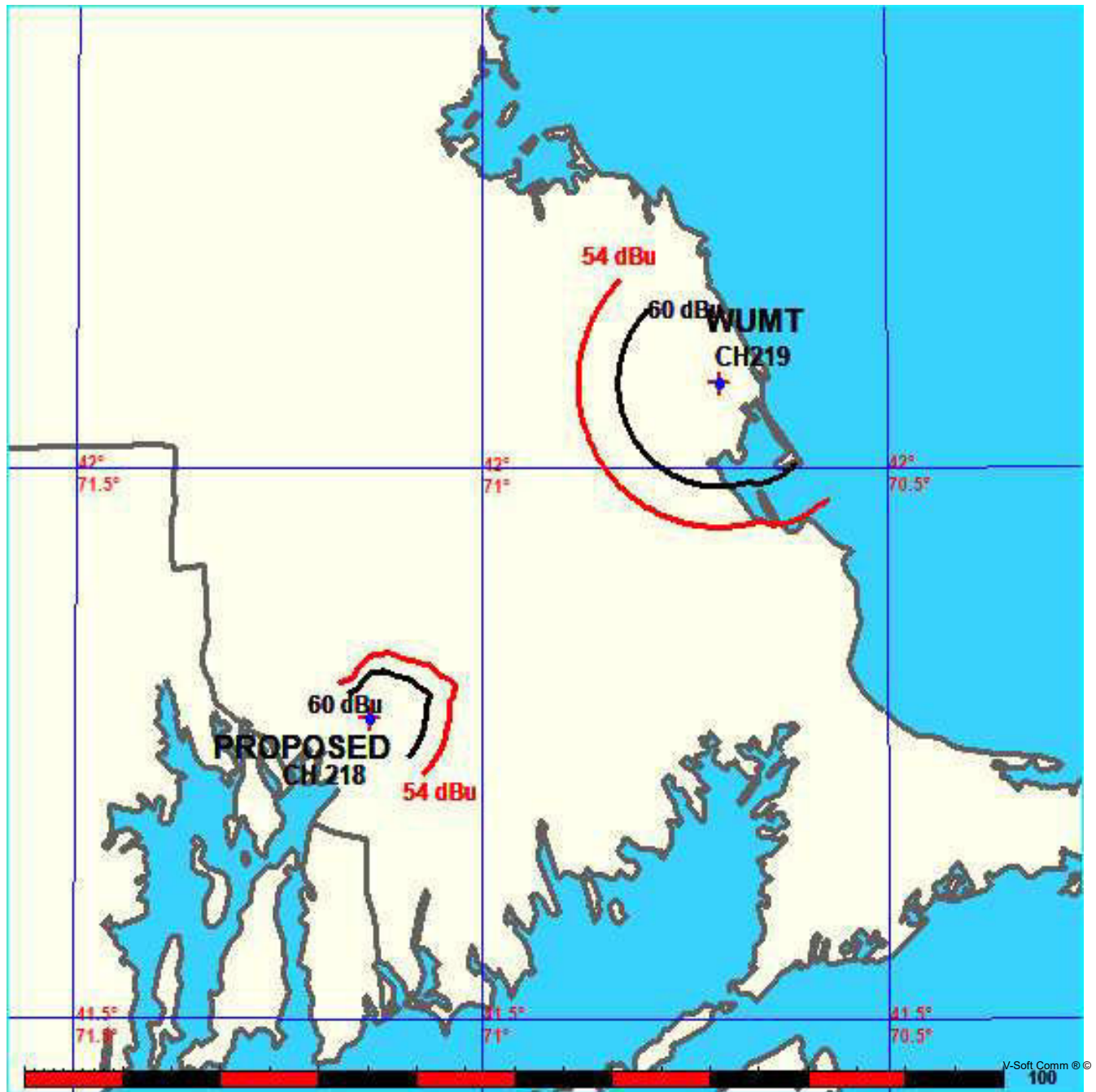


WUMT  
Marconi Broadcasting Foundation

FMCommander Single Allocation Study - 11-09-2021 - FCC NGDC 30 Sec  
PROPOSED's Overlaps (In= 28.69 km, Out= 30.82 km)

PROPOSED CH 218 A DA  
Lat= 41 46 28.80, Lng= 71 08 15.70  
0.1 kW 41.3 m HAAT, 66.2 m COR  
Prot.= 60 dBu, Intef.= 54 dBu

WUMT CH 219 A BLED20111020AET  
Lat= 42 04 38.30, Lng= 70 42 19.10  
1.1 kW 25 m HAAT, 36 m COR  
Prot.= 60 dBu, Intef.= 54 dBu

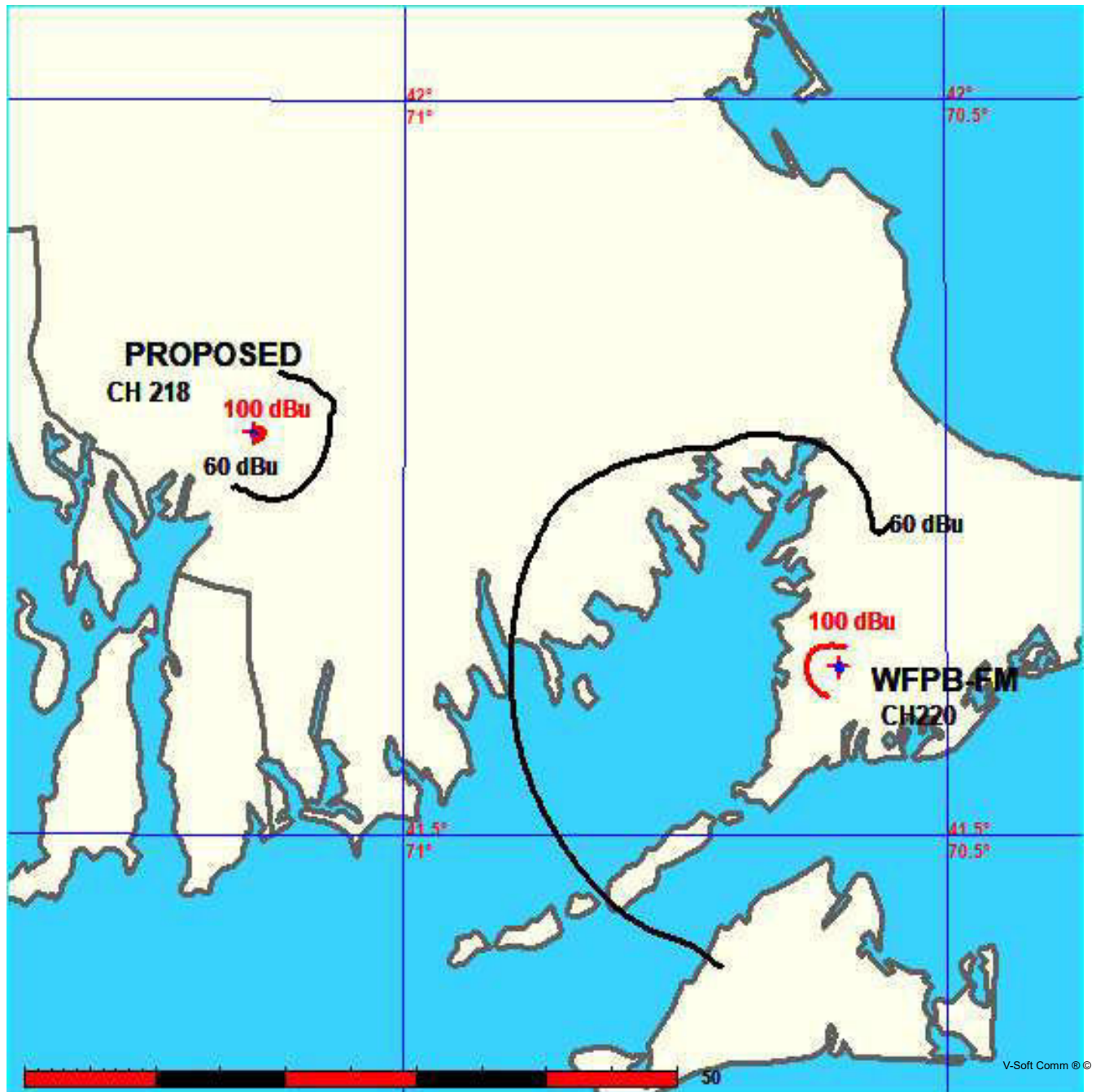


WFPB  
Marconi Broadcasting Foundation

FMCommander Single Allocation Study - 11-09-2021 - FCC NGDC 30 Sec  
PROPOSED's Overlaps (In= 40.13 km, Out= 22.46 km)

PROPOSED CH 218 A DA  
Lat= 41 46 28.80, Lng= 71 08 15.70  
0.1 kW 41.3 m HAAT, 66.2 m COR  
Prot.= 60 dBu, Intef.= 100 dBu

WFPB-FM CH 220 A 73.215 Z BLED20130827ABG  
Lat= 41 36 50.30, Lng= 70 35 54.10  
5.2 kW 76.1 m HAAT, 83.9 m COR  
Prot.= 60 dBu, Intef.= 100 dBu



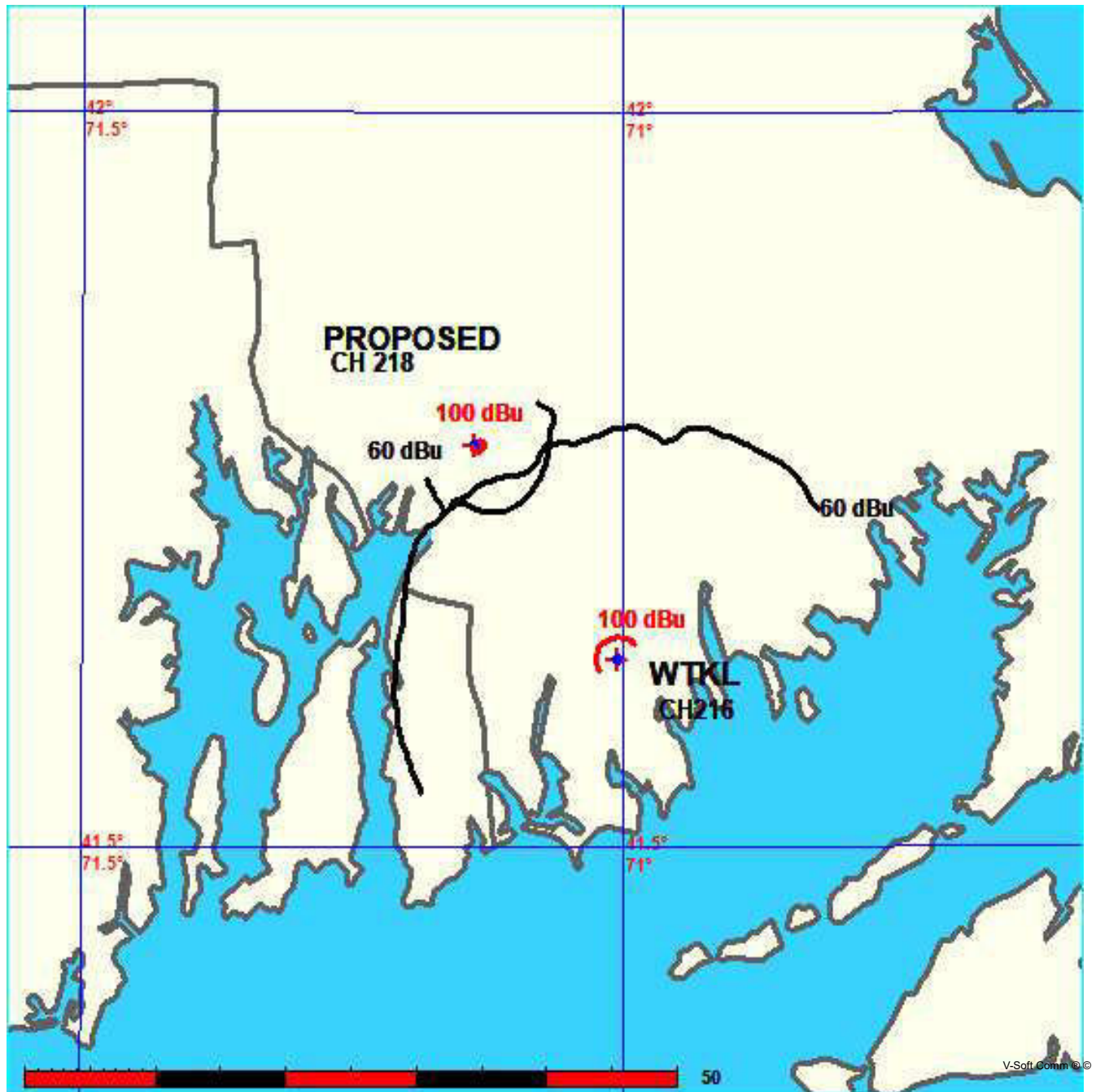


WTKL  
Marconi Broadcasting Foundation

FMCommander Single Allocation Study - 11-09-2021 - FCC NGDC 30 Sec  
PROPOSED's Overlaps (In= 12.36 km, Out= 2.41 km)

PROPOSED CH 218 A DA  
Lat= 41 46 28.80, Lng= 71 08 15.70  
0.1 kW 41.3 m HAAT, 66.2 m COR  
Prot.= 60 dBu, Intef.= 100 dBu

WTKL CH 216 A BMLED20060623ABP  
Lat= 41 37 43.40, Lng= 71 00 22.10  
1.2 kW 91 m HAAT, 116 m COR  
Prot.= 60 dBu, Intef.= 100 dBu

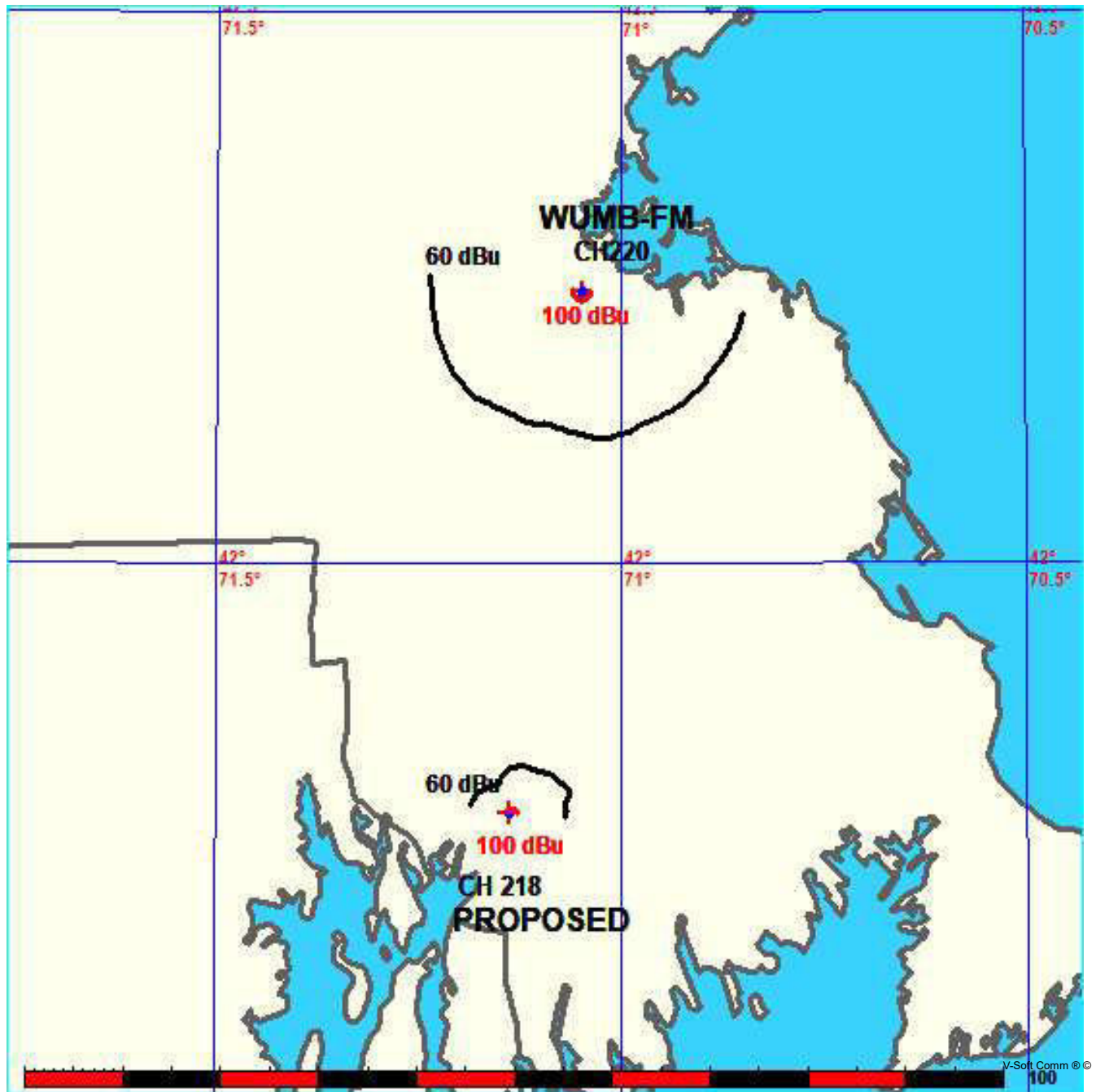


WUMB  
Marconi Broadcasting Foundation

FMCommander Single Allocation Study - 11-09-2021 - FCC NGDC 30 Sec  
PROPOSED's Overlaps (In= 47.38 km, Out= 38.46 km)

PROPOSED CH 218 A DA  
Lat= 41 46 28.80, Lng= 71 08 15.70  
0.1 kW 41.3 m HAAT, 66.2 m COR  
Prot.= 60 dBu, Intef.= 100 dBu

WUMB-FM CH 220 A BLED20130916ACM  
Lat= 42 14 49.40, Lng= 71 02 54.20  
0.16 kW 189 m HAAT, 210 m COR  
Prot.= 60 dBu, Intef.= 100 dBu



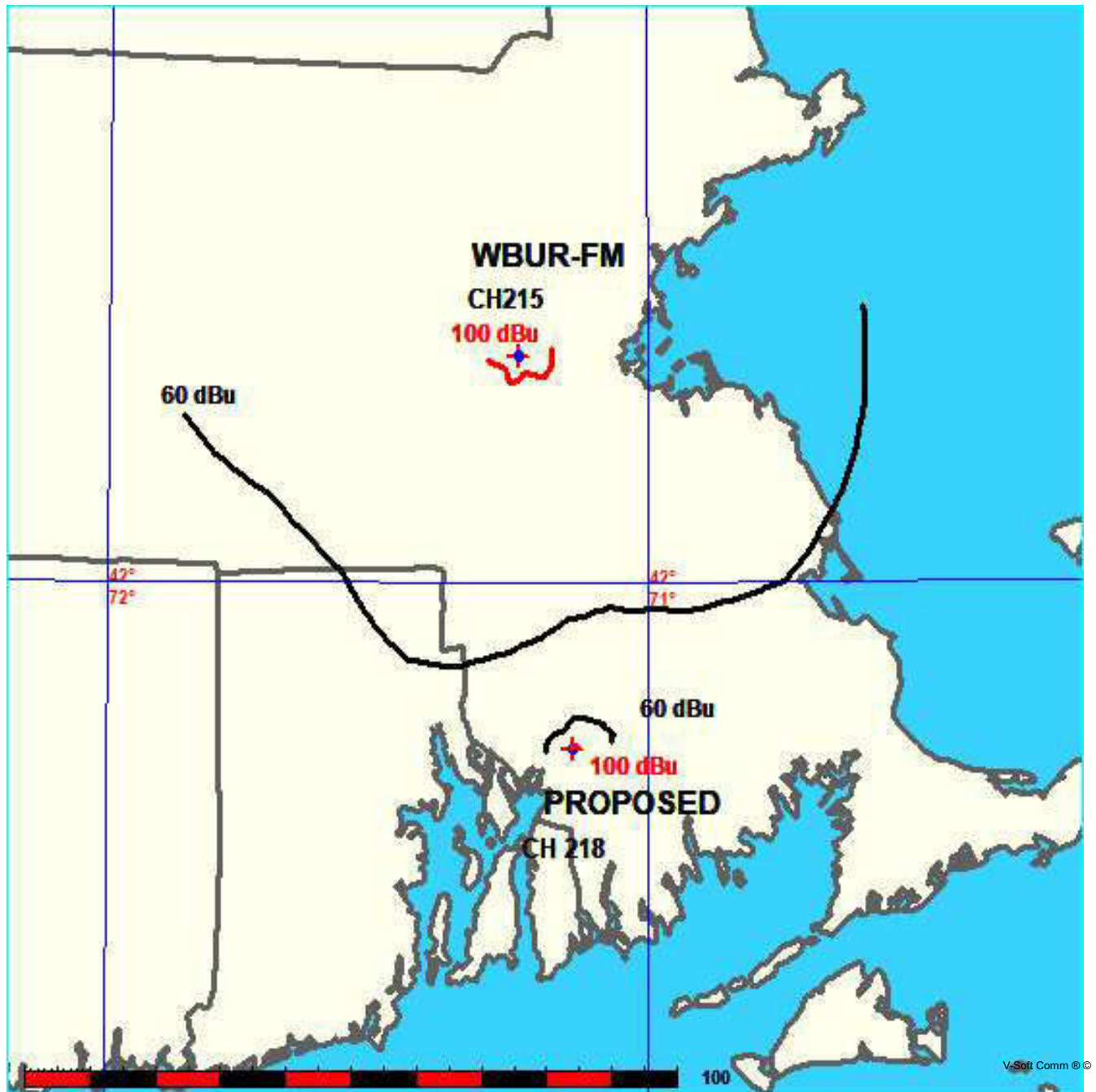


WBUR  
Marconi Broadcasting Foundation

FMCommander Single Allocation Study - 11-09-2021 - FCC NGDC 30 Sec  
PROPOSED's Overlaps (In= 52.68 km, Out= 17.04 km)

PROPOSED CH 218 A DA  
Lat= 41 46 28.80, Lng= 71 08 15.70  
0.1 kW 41.3 m HAAT, 66.2 m COR  
Prot.= 60 dBu, Intef.= 100 dBu

WBUR-FM CH 215 B DA BLED20170802AEJ  
Lat= 42 18 37.00, Lng= 71 14 12.00  
8.6 kW 357.8 m HAAT, 400.6 m COR  
Prot.= 60 dBu, Intef.= 100 dBu

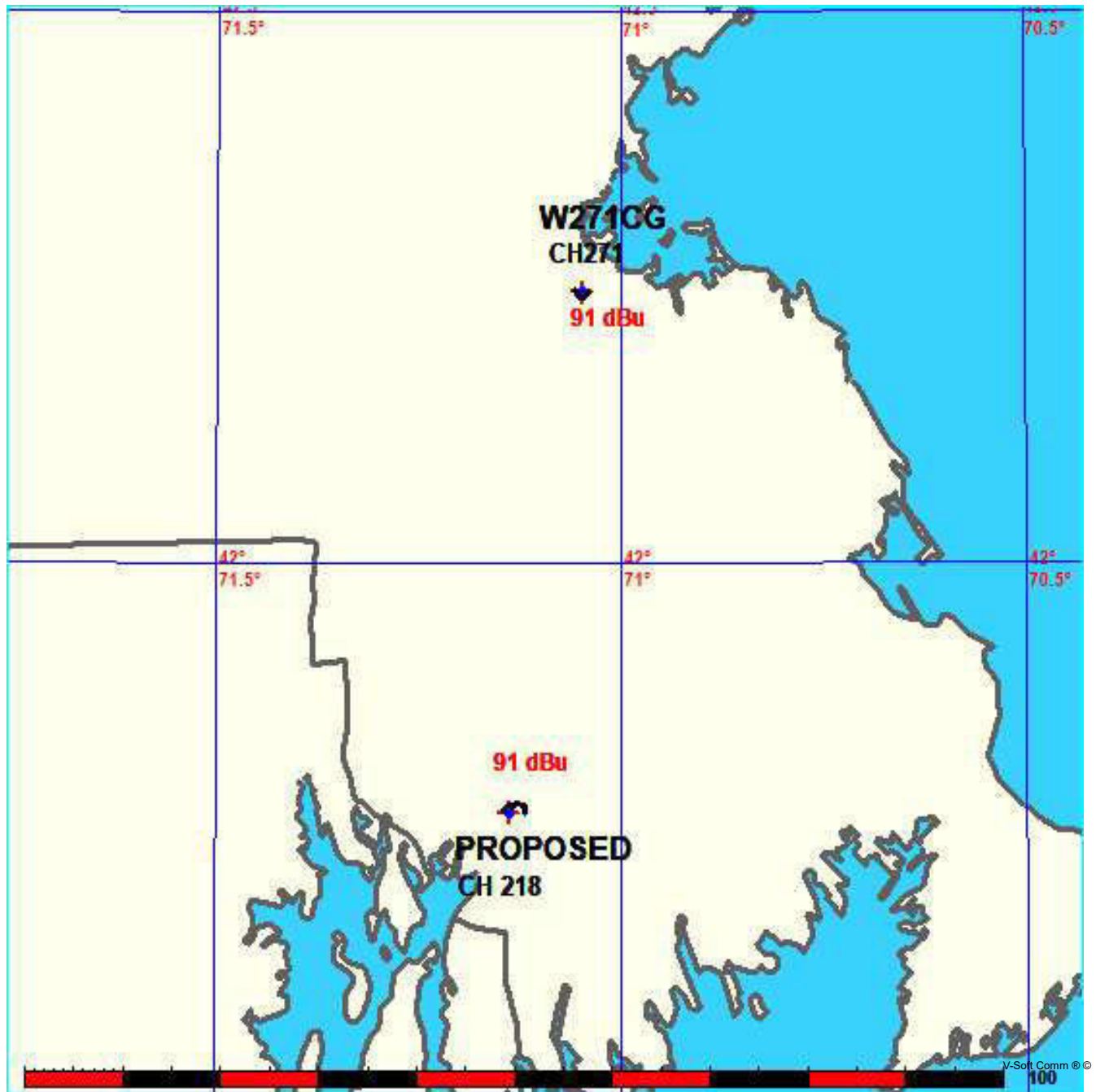


W271CG  
Marconi Broadcasting Foundation

FMCommander Single Allocation Study - 11-09-2021 - FCC NGDC 30 Sec  
PROPOSED's Overlaps (In= 0.0 km, Out= 0.0 km)

PROPOSED CH 218 A DA  
Lat= 41 46 28.80, Lng= 71 08 15.70  
0.1 kW 41.3 m HAAT, 66.2 m COR  
Prot.= 91 dBu, Intef.= 91 dBu

W271CG CH 271 D BLFT20141027AEU  
Lat= 42 14 49.40, Lng= 71 02 54.20  
0.01 kW 0 m HAAT, 270 m COR  
Prot.= 91 dBu, Intef.= 91 dBu

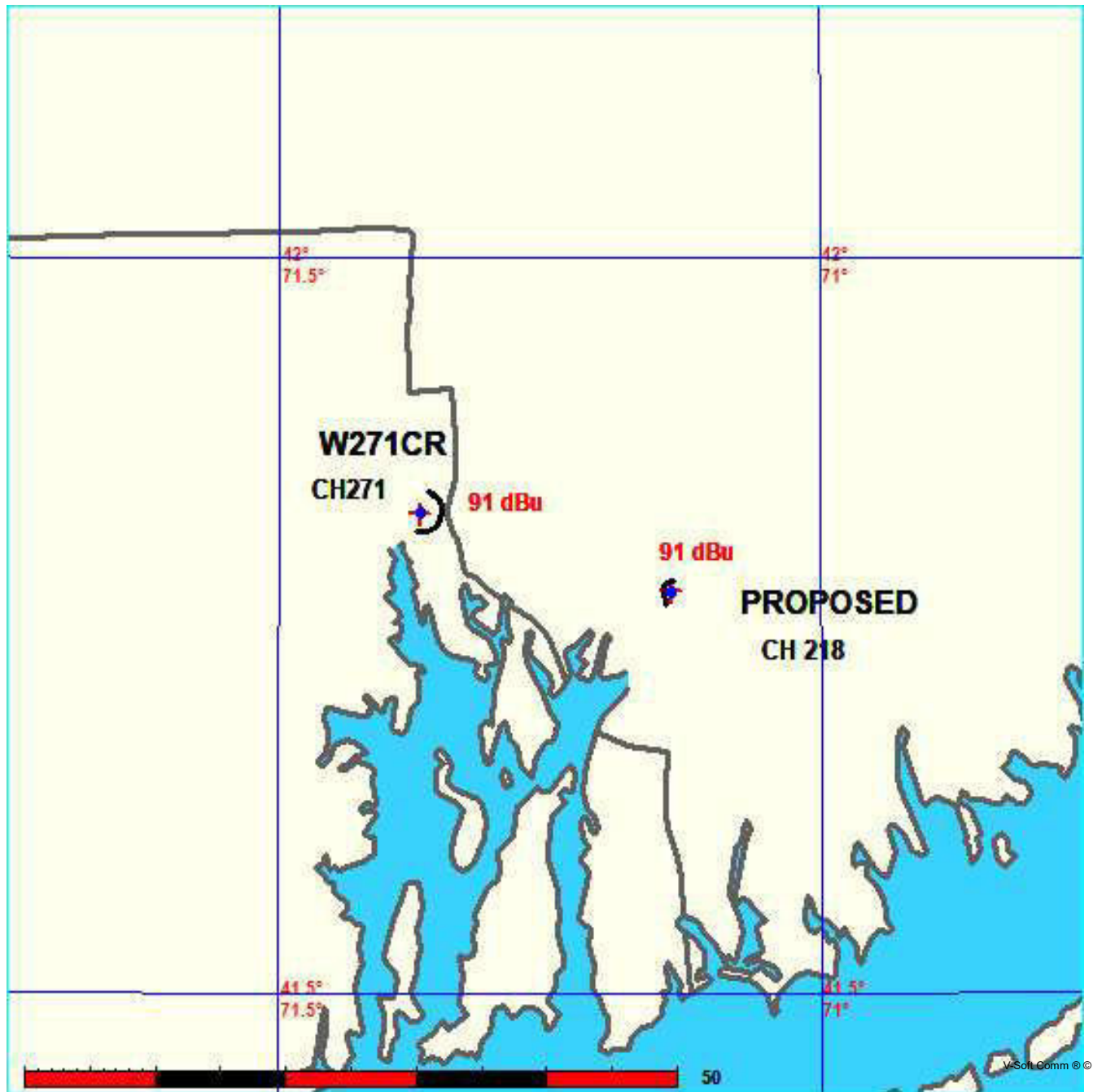


W271CR  
Marconi Broadcasting Foundation

FMCommander Single Allocation Study - 11-09-2021 - FCC NGDC 30 Sec  
PROPOSED's Overlaps (In= 0.0 km, Out= 0.0 km)

PROPOSED CH 218 A DA  
Lat= 41 46 28.80, Lng= 71 08 15.70  
0.1 kW 41.3 m HAAT, 66.2 m COR  
Prot.= 91 dBu, Intef.= 91 dBu

W271CR CH 271 D BLFT20170811ABB  
Lat= 41 49 40.40, Lng= 71 22 07.20  
0.099 kW 0 m HAAT, 133 m COR  
Prot.= 91 dBu, Intef.= 91 dBu



WWCC TV6  
Marconi Broadcasting Foundation

FMCommander Single Allocation Study - 11-09-2021 - FCC NGDC 30 Sec

PROPOSED's Overlaps 3.95 Req km, 81.84 Mar km)

PROPOSED CH 218 A DA

Lat= 41 46 28.80, Lng= 71 08 15.70

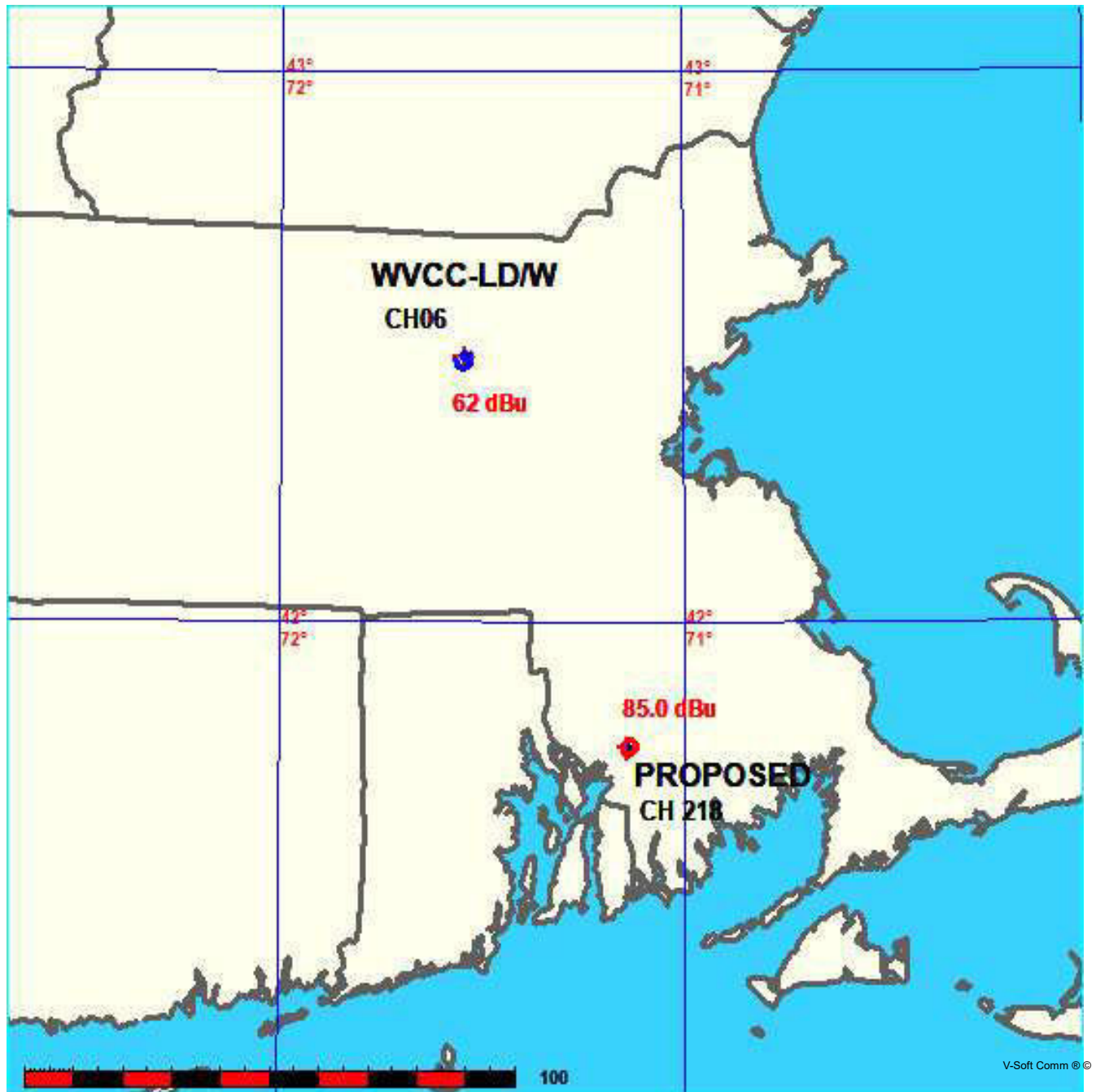
0.1 kW 41.3 m HAAT, 66.2 m COR

Intef. = 79.5 dBu Prot. = 62 dBu

WWCC-LD/W CH 06 -- DA 0000151954

Lat= 42 29 01.20, Lng= 71 32 54.00

0.25 kW 0 m HAAT, 100.3 m COR



# Channel-Six TV Protection Study

WVCC-LD/W LI 06 -- Dom 0.250 kW m HAAT GHN DA=D  
Westmoreland NH 100.3 m COR AMSL -  
Lat = 42 29 01.20, Lng = 71 32 54.00 - NAD 83  
Dist = 85.75 km, Azi = 336.9°, Rev Azi =156.6°

Direct line HAAT Grade B, 62 dBu = 2.34 km & Grade A = 1.65 km  
Distance from reference to TV6 Grade B = 83.41 km  
Cutoff Dist from Full Service or Class CA = 166 km  
Reference's maximum interference contour distance = 1.61 km  
Database station's protected contour distance = 2.34 km  
WVCC-LD/W Signal Contour at Reference location = -4.7 dBu  
Add 6 dB to FM Contour value if within angle.

TV/FM D to U values.

62.0	77.8		70.0	81.5		78.0	88.0		86.0	95.0			
63.0	78.0		71.0	82.2		79.0	88.9		87.0	95.9			
64.0	78.3		72.0	83.0		80.0	89.7		88.0	96.7			
65.0	78.5		73.0	83.9		81.0	90.6		89.0	97.6			
66.0	79.1		74.0	84.7		82.0	91.5		90.0	98.5			
67.0	79.6		75.0	85.5		83.0	92.4		91.0	98.5			
68.0	80.2		76.0	86.4		84.0	93.3		92.0	98.5			
69.0	80.9		77.0	87.2		85.0	94.1		93.0	98.5			



W06DH  
Marconi Broadcasting Foundation

FMCommander Single Allocation Study - 11-09-2021 - FCC NGDC 30 Sec

PROPOSED's Overlaps 20.16 Req km, 38.95 Mar km)

PROPOSED CH 218 A DA

Lat= 41 46 28.80, Lng= 71 08 15.70

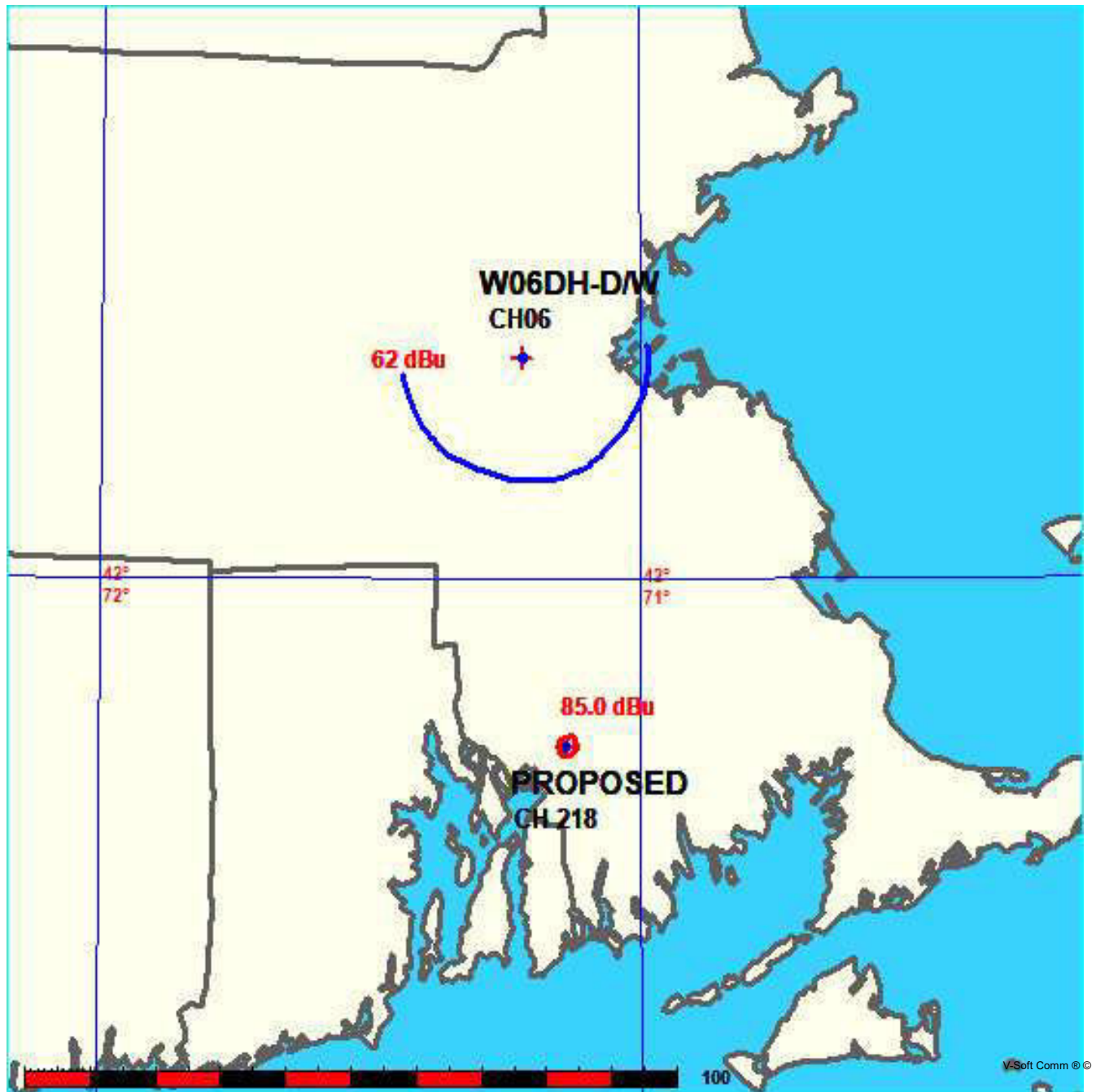
0.1 kW 41.3 m HAAT, 66.2 m COR

Intef. = 79.5 dBu Prot. = 62 dBu

W06DH-D/W CH 06 -- 0000153588

Lat= 42 18 10.70, Lng= 71 13 04.89

0.175 kW 0 m HAAT, 351 m COR



# Channel-Six TV Protection Study

W06DH-D/W CP 06 -- Dom 0.175 kW m HAAT GHN Non-DA  
Westmoreland NH 351.0 m COR AMSL -  
Lat = 42 18 10.70, Lng = 71 13 04.89 - NAD 83  
Dist = 59.05 km, Azi = 353.6°, Rev Azi =173.5°

Direct line HAAT Grade B, 62 dBu = 18.56 km & Grade A = 13.07 km  
Distance from reference to TV6 Grade B = 40.49 km  
Cutoff Dist from Full Service or Class CA = 166 km  
Reference's maximum interference contour distance = 1.61 km  
Database station's protected contour distance = 18.56 km  
W06DH-D/W Signal Contour at Reference location = 38.3 dBu  
Add 6 dB to FM Contour value if within angle.

TV/FM D to U values.

62.0	77.8		70.0	81.5		78.0	88.0		86.0	95.0			
63.0	78.0		71.0	82.2		79.0	88.9		87.0	95.9			
64.0	78.3		72.0	83.0		80.0	89.7		88.0	96.7			
65.0	78.5		73.0	83.9		81.0	90.6		89.0	97.6			
66.0	79.1		74.0	84.7		82.0	91.5		90.0	98.5			
67.0	79.6		75.0	85.5		83.0	92.4		91.0	98.5			
68.0	80.2		76.0	86.4		84.0	93.3		92.0	98.5			
69.0	80.9		77.0	87.2		85.0	94.1		93.0	98.5			