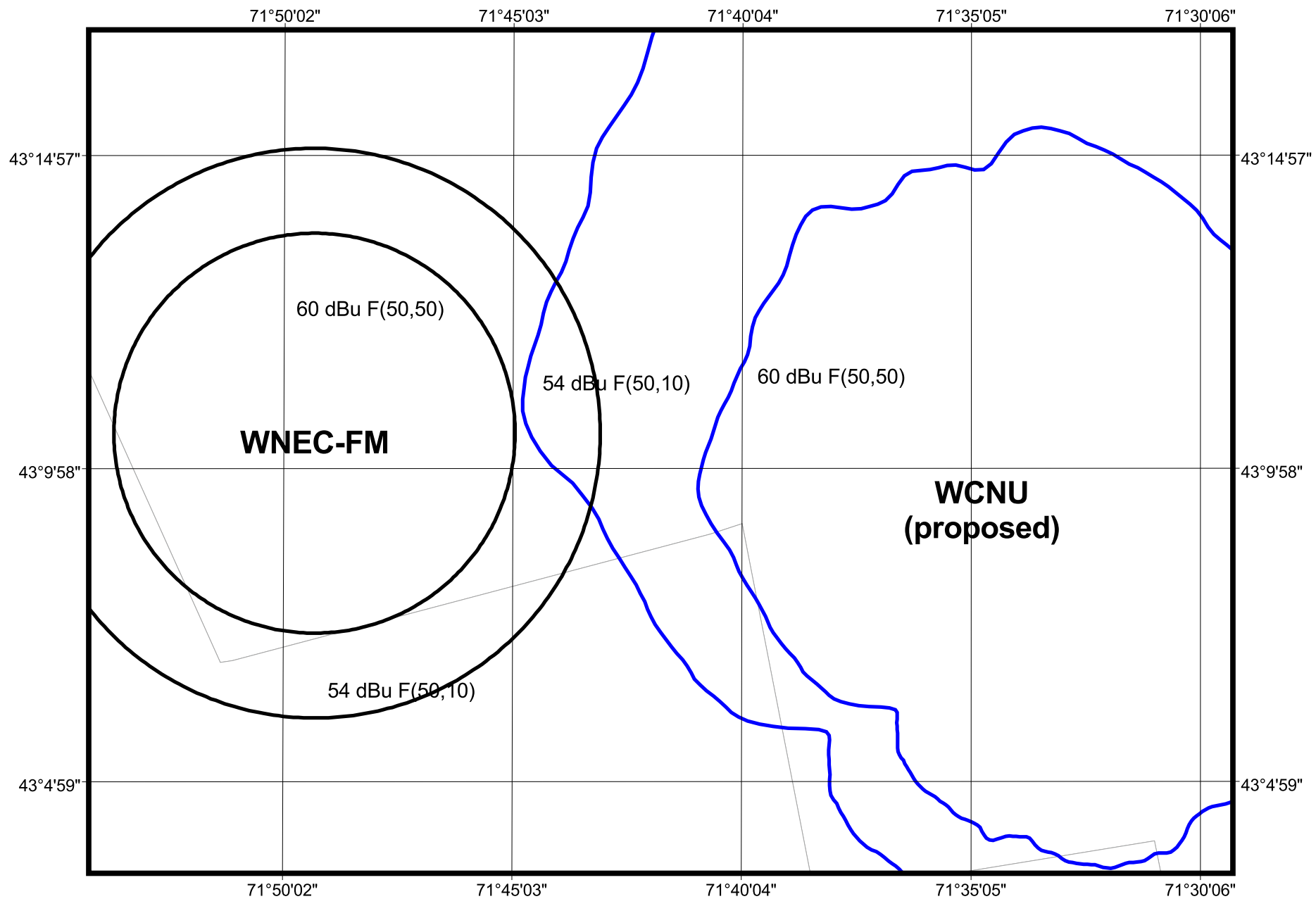


Figure 1

**WCNU, Bow, NH: MINOR MODIFICATION OF CONSTRUCTION PERMIT
Co-Channel Study**

Radio Data Services

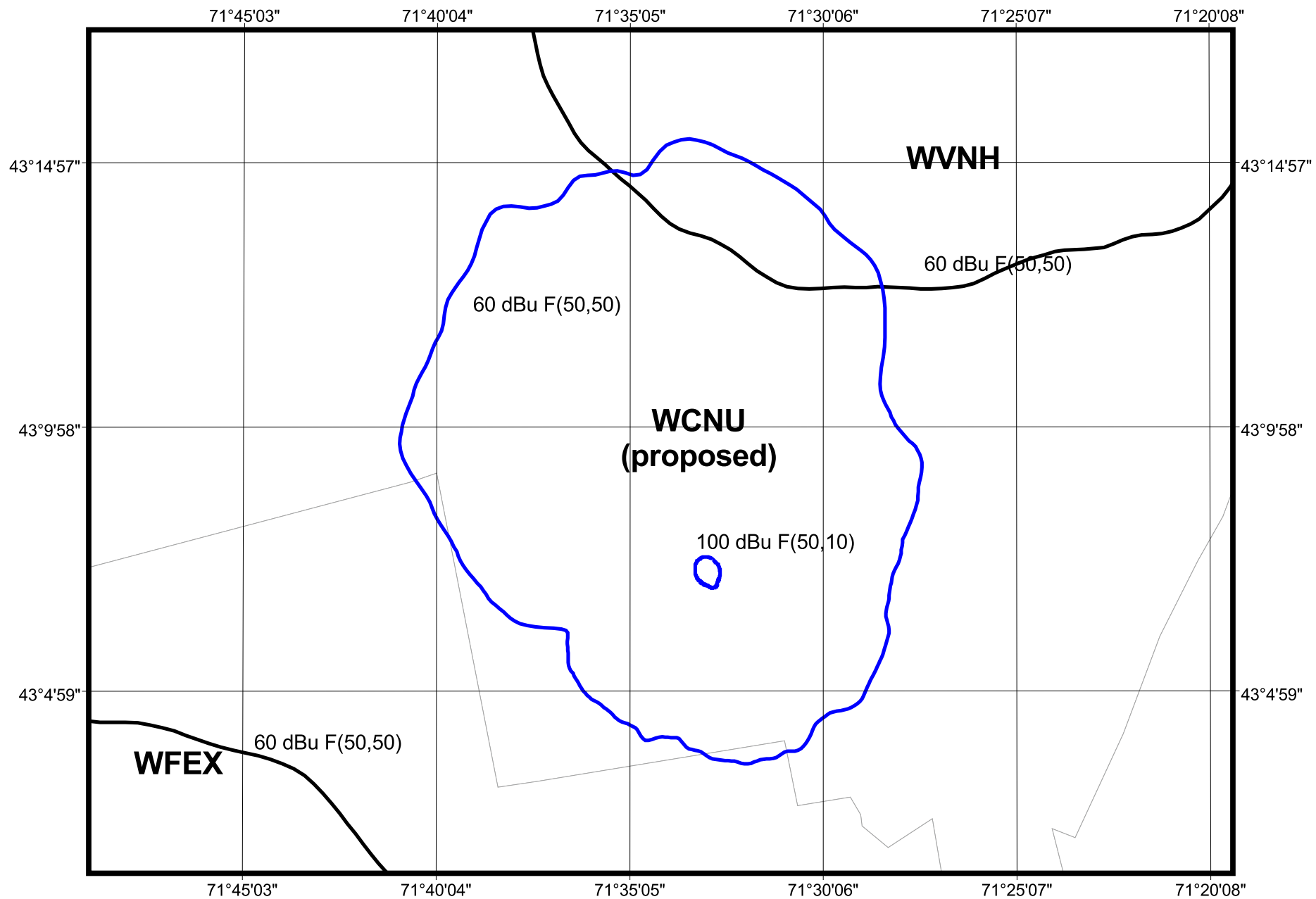




0 4 Kilometers

Figure 2





0 5 Kilometers



Figure 3

**WCNU, Bow, NH: MINOR MODIFICATION OF CONSTRUCTION PERMIT
2nd and 3rd Adjacent Channel Study**

Radio Data Services



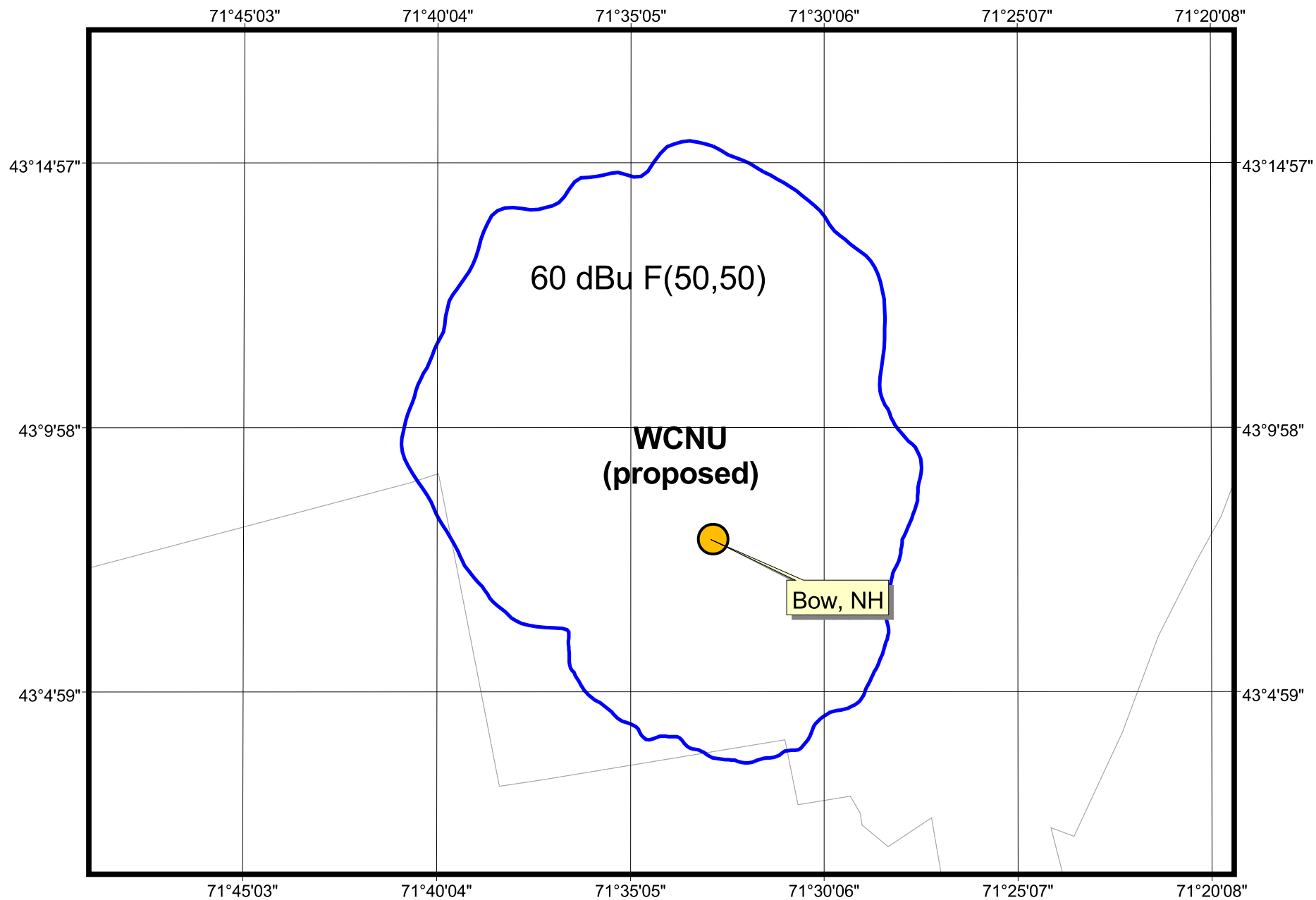


Figure 4

WCNU, Bow, NH: MINOR MODIFICATION OF CONSTRUCTION PERMIT
Community Coverage: Bow, NH

Radio Data Services



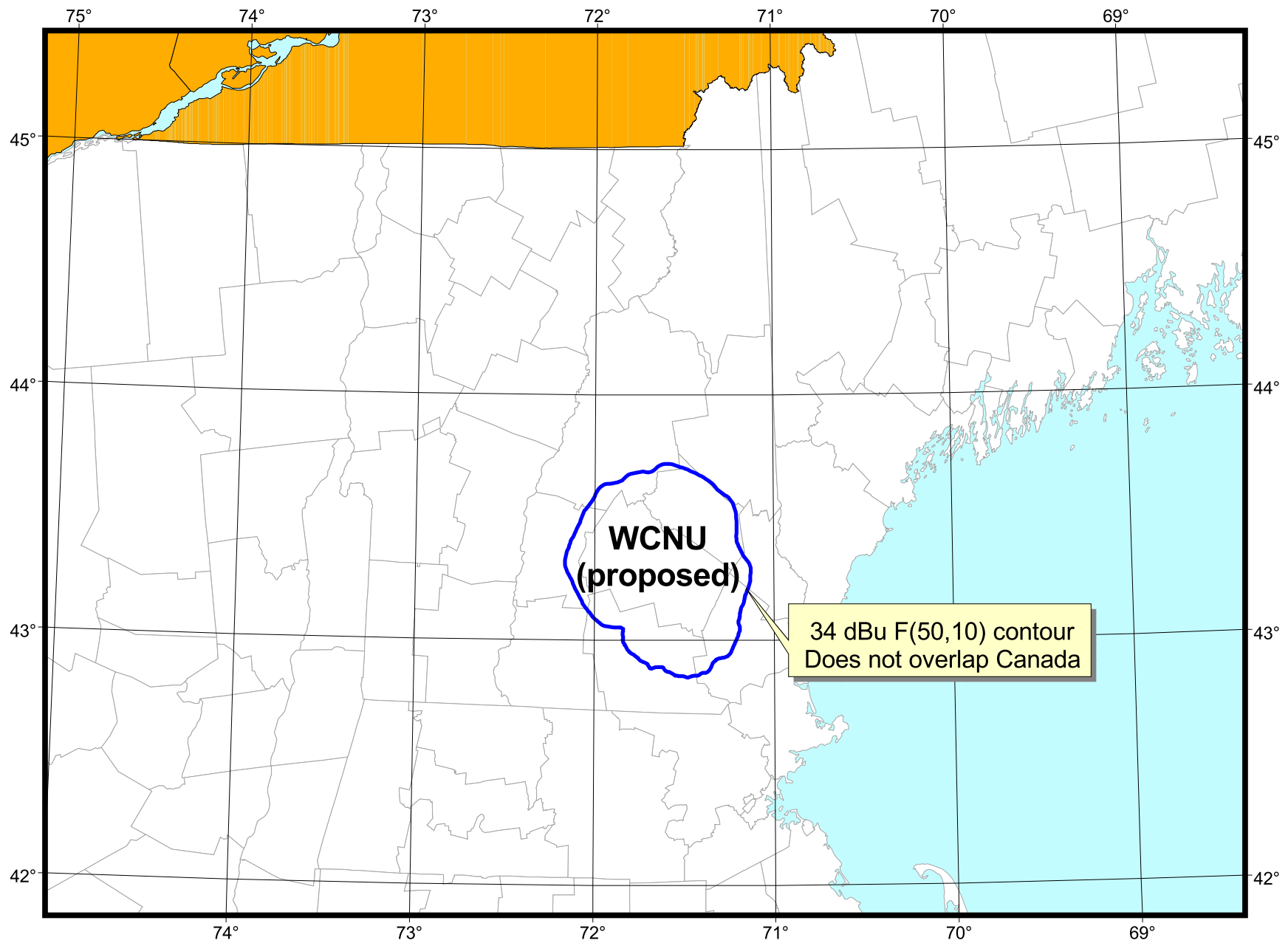


Figure 5

WCNU, Bow, NH: MINOR MODIFICATION OF CONSTRUCTION PERMIT
Protection of Canadian Facilities

Radio Data Services



Table 1

WCNU Minor Change to Licensed Facility
Channel Study with respect to 73.509 contour overlap protection

Chan	Class	Call Letters	Type	Status	City	State	Country	Owner	Distance (km)	Bearing TO (deg)	Req. Dist. (km)	Clearance (km)
215	A	WSCS	FM	LIC	NEW LONDON	NH	US	COLBY-SAWYER COLLEGE	47.5	313.5	15.9	31.6
215	B	WBUR-FM	FM	LIC	BOSTON	MA	US	THE EXECUTIVE COMMITTEE O	93.9	163.5	50.6	43.4
216	A	WVNH	FM	LIC	CONCORD	NH	US	NEW HAMPSHIRE GOSPEL RAD	32.8	18.1	22.6	10.2
217	A	WUNH	FM	LIC	DURHAM	NH	US	UNIVERSITY OF NEW HAMPSHI	49.6	84.9	35.2	14.4
217	A	WXPL	FM	LIC	FITCHBURG	MA	US	FITCHBURG STATE COLLEGE	62.1	198.6	13.6	48.4
217	A	WKNH	FM	LIC	KEENE	NH	US	KEENE STATE COLLEGE	63.2	250.6	15.8	47.5
217	A	WEVH	FM	APP	HANOVER	NH	US	NEW HAMPSHIRE PUBLIC RADII	81.8	323.5	47.4	34.4
217	A	WEVH	FM	LIC	HANOVER	NH	US	NEW HAMPSHIRE PUBLIC RADII	81.8	323.5	46.0	35.8
218	A	WCNU	FM	CP	BOW	NH	US	HIGHLAND COMMUNITY BROAD	0.1	353.0	54.0	-53.9 (same as applicant)
218	A	WUML	FM	LIC	LOWELL	MA	US	UNIVERSITY OF MASSACHUSE	55.1	160.2	50.4	4.7
218	A	WANH	FM	LIC	MEREDITH	NH	US	NEW HAMPSHIRE GOSPEL RAD	65.1	12.3	63.2	1.9
218	A	NEW	FM	CP	BELLOWS FALLS	VT	US	GREAT FALLS COMMUNITY BRO	71.7	272.0	42.4	29.4
218	A	WWRN	FM	CP	ROCKPORT	MA	US	LIGHT OF LIFE MINISTRIES, INC	91.3	126.7	56.7	34.6
219	A	WNEC-FM	FM	LIC	HENNIKER	NH	US	NEW ENGLAND COLLEGE	23.1	286.3	20.3	2.8
219	A	WWPC	FM	CP	NEW DURHAM	NH	US	MORNING STAR ACADEMY	44.5	44.9	28.1	16.4
219	A	WWPC	FM	APP	NEW DURHAM	NH	US	MORNING STAR ACADEMY	44.6	45.2	29.1	15.5
219	A	WNEF	FM	LIC	NEWBURYPORT	MA	US	UNIVERSITY OF MASSACHUSE	57.1	119.3	30.7	26.3
219	A	NONE	FM	CP	LUNENBURG	MA	US	HORIZON CHRISTIAN FELLOWS	65.7	190.0	22.8	43.0
219	A	WPCR-FM	FM	LIC	PLYMOUTH	NH	US	PLYMOUTH STATE COLLEGE	71.9	351.0	28.7	43.2
221	A	WFEX	FM	LIC	PETERBOROUGH	NH	US	FNX BROADCASTING OF NEW F	39.2	223.4	24.1	15.0
221	A	WPHX-FM	FM	LIC	SANFORD	ME	US	FNX BROADCASTING, LLC	69.1	60.7	28.2	40.9
271	A	WSAK	FM	LIC	HAMPTON	NH	US	RADIO LICENSE HOLDING CBC,	59.4	114.2	10.0	49.4
272	A	WWHK	FM	LIC	CONCORD	NH	US	CAPITAL BROADCASTING CORP	11.2	348.8	10.0	1.2

Radiofrequency Electromagnetic Exposure Analysis for WCNU

Source	Height AGL(m)	Antenna type	Bays	Horizontal ERP (kw)	Vertical ERP (kw)	Power Density $\mu\text{W}/\text{cm}^2$ at 2 meters AGL				
						at 10 meters distance	% controlled environment limit (1000 $\mu\text{W}/\text{cm}^2$)	Max. PD	% uncontrolled environment limit (200 $\mu\text{W}/\text{cm}^2$)	Distance to maximum PD (m)
WCNU	16	EPA dipole (half wave spaced)	1	0.19	0.19	34.0	3.4%	39	19.5%	4
						34.0	3.4%	39	19.5%	4

(proposed)

The proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 (i.e., The facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments).

EPA dipole model, single bay assumed (worst case)

Calculations made using FCC FM Model v2.10 Beta