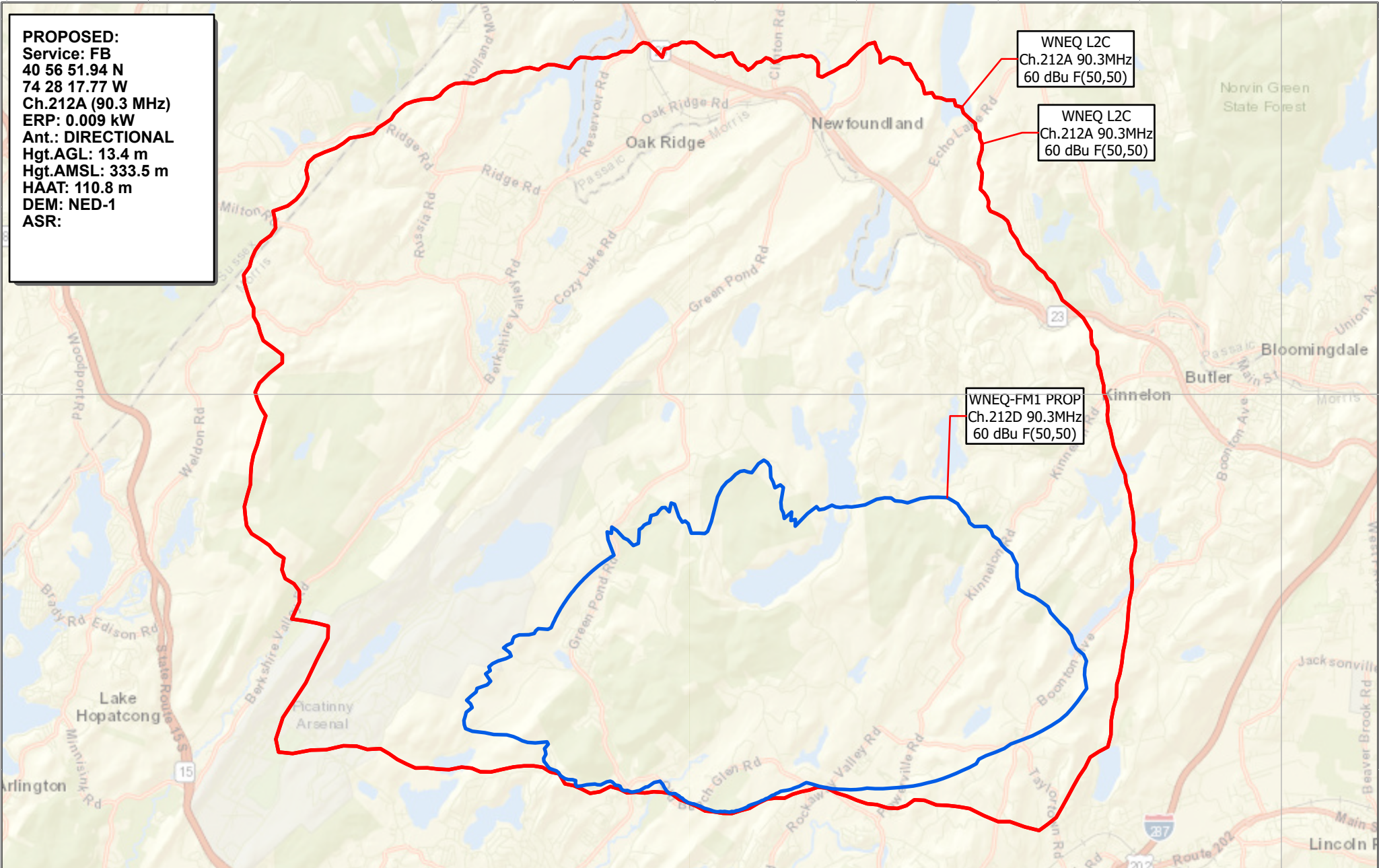


WNEQ-FM1 TAYLORTOWN, NJ Proposed Channel 212A (90.3 MHz)
 REDEEMER BROADCASTING, INC. - NEW BOOSTER

Co-channel minor change showing.

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WNEQ-FM1 TAYLORTOWN, NJ Proposed Channel 212A (90.3 MHz)
REDEEMER BROADCASTING, INC. - NEW BOOSTER

FM booster for primary station WNEQ (FM).

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Table 1 - 74.1204 Channel Study
WNEQ-FM1 TAYLORTOWN, NJ - REDEEMER BROADCASTING, INC.
NEW BOOSTER November 2022 (Ch.212A proposed)

Chan	Class	Call Letters	Type	Status	City	State	Country	Owner	Bearing TO (deg)	Distance (km)	Req. Dist. (km)	Clearance (km)	Field Strength (dBu)
211	A	WMFU	FM	L-L2C	MOUNT HOPE	NY	US	AURICLE COMMUNICA	350.3	54.0	32.0	22.1	45.4
212	A	WNEQ	FM	L-L2C	TAYLORTOWN	NJ	US	REDEEMER BROADCASTING	5.6	7.7	20.5	-12.8	64.1 (primary facility)
212	D	WMSC	FM	L-L2C	UPPER MONTCLAIR	NJ	US	MONTCLAIR STATE UN	111.9	24.6	21.8	2.7	31.2
212	A	WRPR	FM	L-L2C	MAHWAH	NJ	US	RAMAPO COLLEGE OF	59.1	28.9	26.8	2.1	31.3
213	A	WJSV	FM	L-L2C	MORRISTOWN	NJ	US	MORRIS SCHOOL DIST	185.1	12.6	9.5	3.1	47.1

Terrain data DEM: NED-1

Radiofrequency Electromagnetic Exposure Analysis

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				
						within 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)
WNEQ-FM1 (Proposed)	13.4	(EPA Type 1) TBD *	1	0.009	0.009	2.1	0.2%	2.8	1.4%	3.0
						2.1	0.2%	2.8	1.4%	3.0

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 Type 1, single bay assumed (worst case)

Calculations made using FCC FMModel (Revised version)