W298CU at Chester, NH • Facility ID 201489

Minor Amendment of Construction Permit

Technical Statement

Section 74.1204 Study

The following facilities were studied:

Call Sign	C	ST	City	Freq.	ERP	Class	Status	Distance
W246BP	1	NH	EXETER	97.1	250.0	D	LIC	34.10
W295BL	1	NH	MANCHESTER	106.9	250.0	D	LIC	14.58
WERZ	1	NH	EXETER	107.1	5200.0	A	LIC	34.10
W297BS LIC	1	NH	LACONIA	107.3	170.0	D	LIC	65.66
W297BS CP	1	NH	LACONIA	107.3	250.0	D	CP	69.56
WAAF	1	MA	WESTBOROUGH	107.3	9600.0	B	LIC	77.96
W298CU CP	7	NH	CHESTER	107.5	190.0	A	CP	2.18
Proposed	7	NH	CHESTER	107.5	210.0	A	APP	0.00
W298BT	1	NH	KEENE	107.5	250.0	D	LIC	82.53
WFNK	1	ME	LEWISTON	107.5	100000.0	C1	LIC	135.16
WTPL	1	NH	HILLSBORO	107.7	1250.0	A	LIC	46.37
WXKS-FM	1	MA	MEDFORD	107.9	20500.0	B	LIC	70.49
WXEX(AM)	1	NH	EXETER	1540.0	5000.0	D	LIC	28.91

Figures 1 and 2 illustrate the absence of prohibited overlap between the proposed translator interfering contours and the pertinent service contour of each facility. (Key: Same colors may not overlap.)

No overlap exists with W246BP at Exeter, NH, for which WXEX(AM) is also primary.
The authorized and proposed service contours (green and thin green) overlap.

Environmental Considerations

The proposed antenna will be mounted on an existing tower.   The site is fenced and inaccessible to the general public, and marked with appropriate RFR warning signs.   The applicant will cease operation or reduce power as necessary in order to prevent uncontrolled or controlled exposure in excess of the guidelines of OET-65.

Respectfully submitted,

Dennis Jackson
March 24, 2019

Figure 1 – Section 74.1204 Study and Fill-In Status

No prohibited overlap is created.   (Key: Same colors may not overlap.)

Service contour (green) does not exceed 25 miles from AM site (gray circle)

and overlaps authorized service contour (thin green.)

There is no overlap with W246BP (light green), for which WXEX(AM) is also primary.
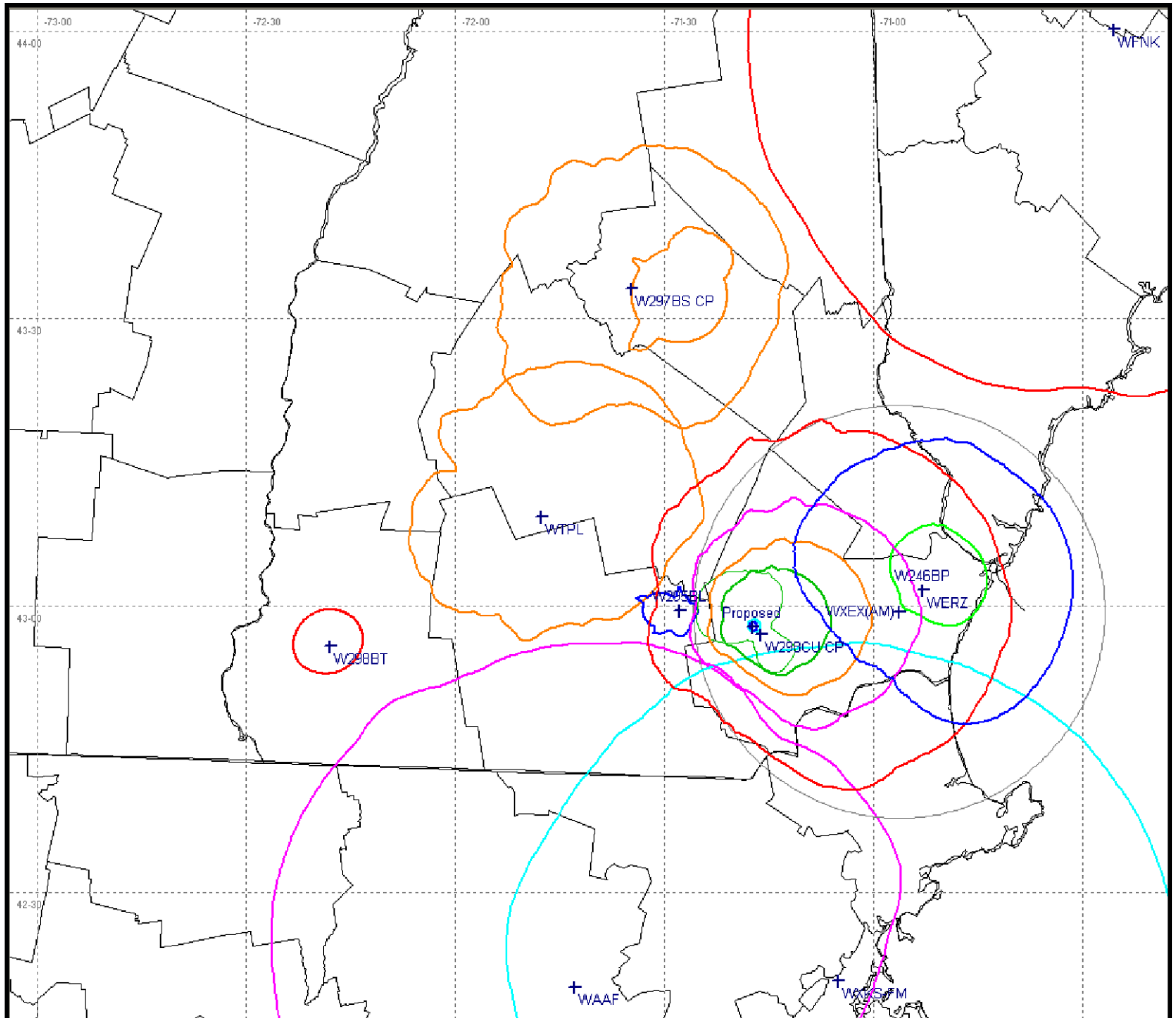
Figure 2 – Section 74.1204 Study Closeup to WAAF

No prohibited overlap is created with WAAF.   (Key: Purple contours may not overlap.)