

## W279AL at Catskill, NY Proposed Minor Change

### Technical Statement

#### Overview

This application proposes to increase antenna height and increase ERP to 10 Watts from 7 Watts, employing a directional antenna.

#### 74.1204 Study

All facilities not meeting the spacing requirements of Section 73.207 with respect to the proposed Channel 279 facility were studied. Proposed facility and LPFM facilities are considered as Class A. These include:

Call Sign	C	ST	City	FR. ▼	ERP	CLS	D
WGY-FM	1	NY	ALBANY	103.1	5600.0	A	54.10
BNPL-20131107AAG	1	NY	PAWLING	103.7	1.7	LP100	61.51
W279AJ	0	NY	HIGHLAND	103.7	10.0	D	56.43
W279AL Proposed	6	NY	CATSKILL	103.7	10.0	D	0.00
W279AJ	1	NY	HIGHLAND	103.7	250.0	D	56.43
WNNJ	1	NJ	NEWTON	103.7	2300.0	B1	136.67
WKNE	1	NH	KEENE	103.7	12000.0	B	151.25
WKHV-LP	1	NY	KINGSTON	103.9	100.0	LP100	33.17
WQBK-FM	1	NY	RENSSELAER	103.9	6000.0	A	44.32
WIOF-LP	1	NY	WOODSTOCK	104.1	100.0	LP100	28.91
W282BI	1	NY	CATSKILL, ETC.	104.3	10.0	D	26.34

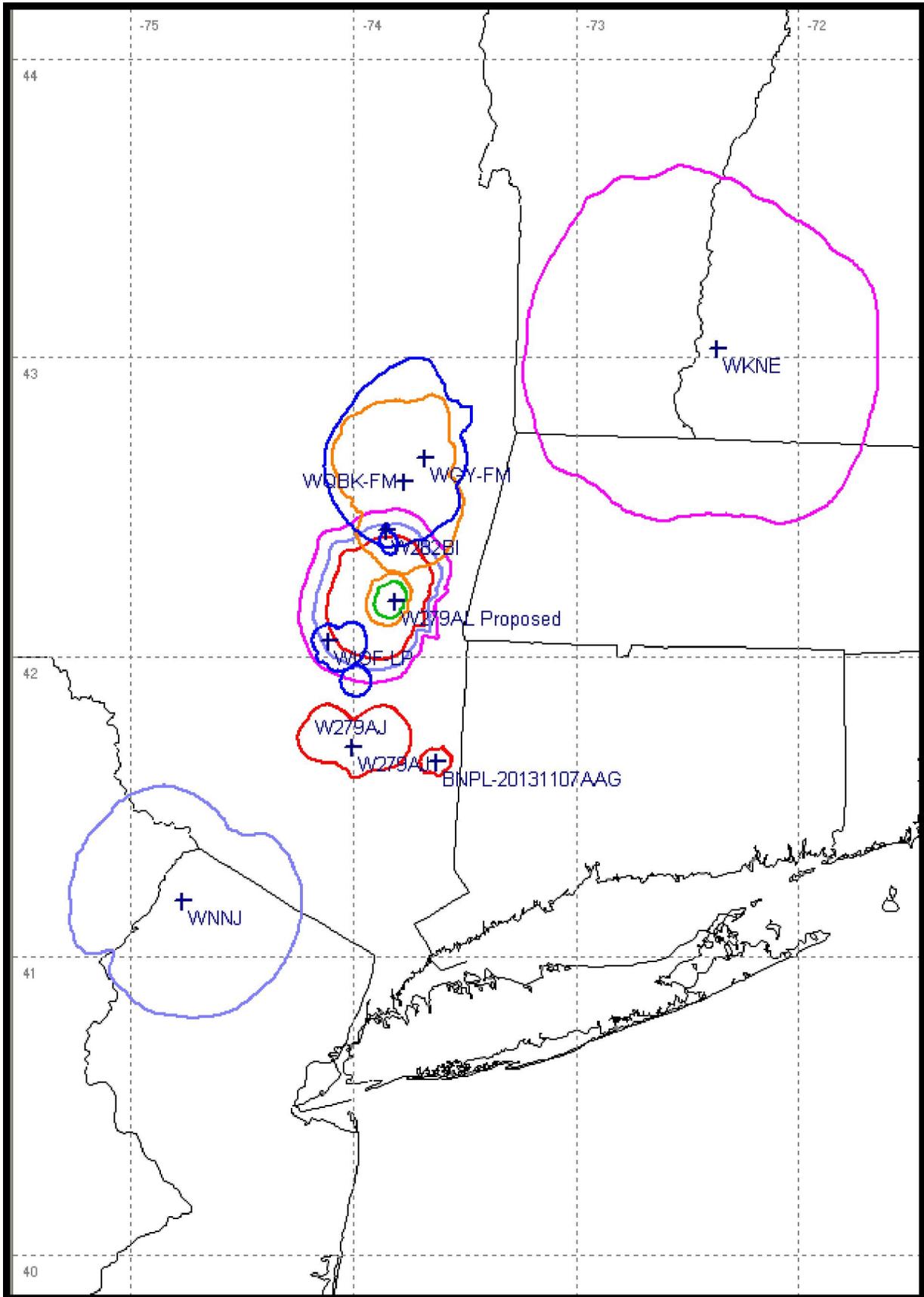
Figure 1 illustrates the absence of prohibited overlap between the proposed translator interfering contour and the pertinent service contours of each of these stations. Figures 2 and 3 provide greater detail where contours are close. (Key: same colors may not overlap.)

#### Environmental Considerations

The proposed antenna will be mounted on an existing structure with no new construction. RFR compliance was determined through the use of the RF worksheets in Appendix.

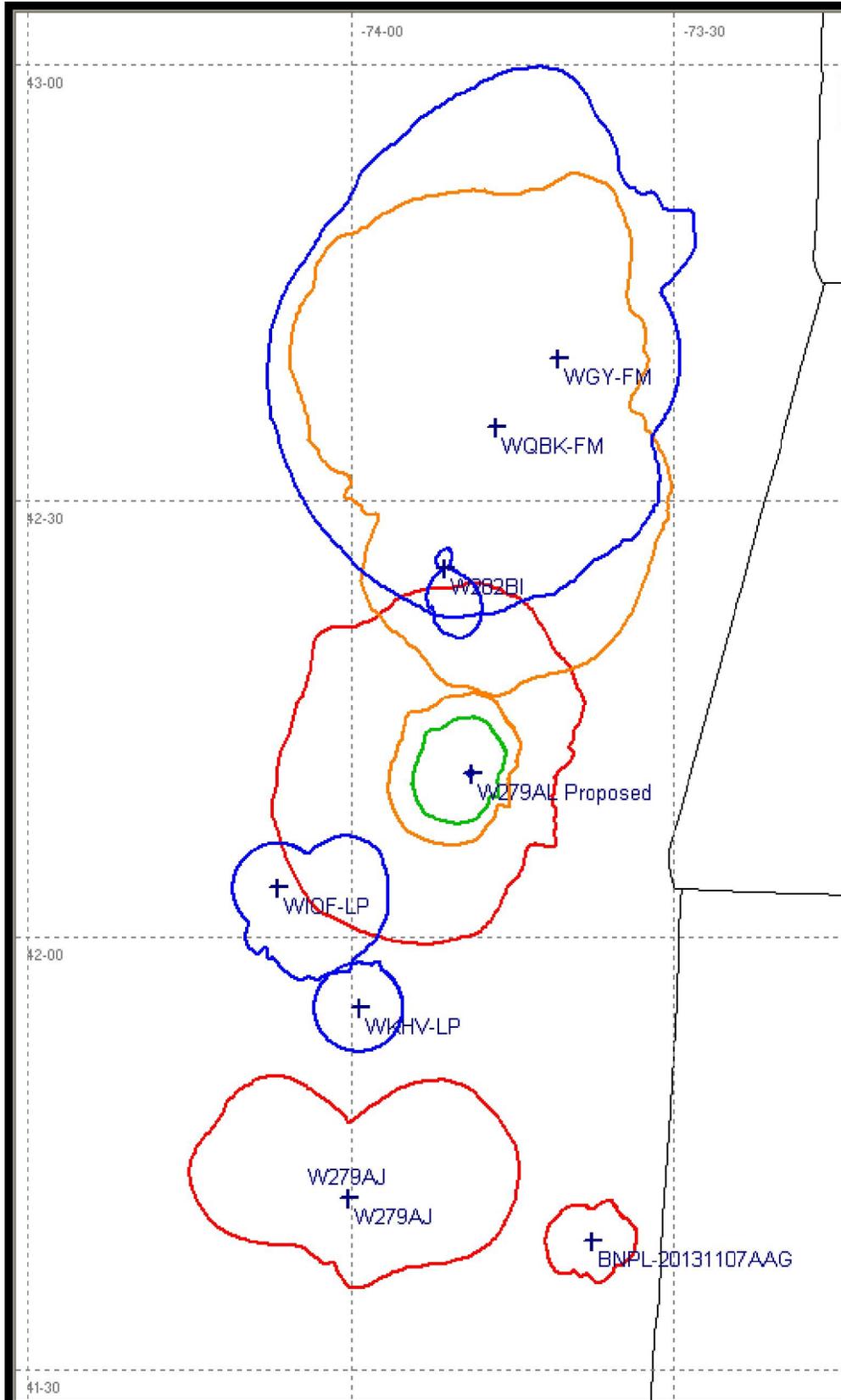
**Figure 1 - Section 74.1204 Study**

**Key: same colors may not overlap.**



**Figure 2 – 74.1204 Study – Closeup Detail**

**Proposed interfering contours do not overlap pertinent service contours of any nearby co-channel or 1<sup>st</sup>, 2<sup>nd</sup> or 3<sup>rd</sup> adjacent station.**



**Figure 3 – 74.1204 Study – Closeup Detail vs WQBK-FM**

**54 dBu interfering contour does not overlap WQBK-FM 60 dBu service contour**

