

EXHIBIT 3
CHANGES IN INSTALLATION
FROM UNDERLYING CONSTRUCTION PERMIT
WNUC-LP, Detroit, MI
North End Woodward Community Coalition

The installed facility meets all specifications contained in the construction permit. However, the underlying application demonstrated 2nd-adjacent contour protection to WXYT-FM, Detroit, MI, based on the installation of an SWR FMEC/2-.5WS antenna. The permittee has instead installed a PSI FML-2A-50WS-DA antenna, with the same number of bays (2), and the same spacing (0.5 wavelength). The two antenna systems have very similar elevation patterns.

As shown by the attached **Exhibit 3a**, this PSA antenna also provides 2nd-adjacent interference protection to all populated areas.

Exhibit 3A

2nd ADJACENT INTERFERENCE PROTECTION TO POPULATED AREAS

CALL LETTERS OR FILE NUMBER	WNUC-LP
PROPOSED COMMUNITY OF LICENSE	Detroit, MI
INTERFERING CONTOUR OF PROPOSAL - dBu	123.30
INTERFERING CONTOUR OF PROPOSAL - <V/m	1.4622
2nd-ADJ STN REQUIRING INTERFERENCE PROT. (worst case)	WXYT-FM, Detroit, MI
PROP. ERP (W)	58
ANTENNA MODEL	PSI FML-2A-50WS-DA
NOTES	

Depression Angle Below Horizon (dg)	Relative Field	ERP (W)	Angular Dist. to IX Contour (m)	Vertical Dist. to IX (below antenna)(m)	Horiz Dist. to IX Contour (m)	Vertical Dist Below Antenna to Uppermost Populated Area (m)	Clearance of IX Above Populated Areas (m)
0	1	58.00	36.51	0.0	36.5	13	13.0
5	0.98	55.70	35.78	3.1	35.6	13	9.9
10	0.95	52.35	34.69	6.0	34.2	13	7.0
15	0.88	44.92	32.13	8.3	31.0	13	4.7
20	0.81	38.05	29.57	10.1	27.8	13	2.9
25	0.715	29.65	26.11	11.0	23.7	13	2.0
30	0.62	22.30	22.64	11.3	19.6	13	1.7
35	0.51	15.09	18.62	10.7	15.3	13	2.3
40	0.405	9.51	14.79	9.5	11.3	13	3.5
45	0.32	5.94	11.68	8.3	8.3	13	4.7
50	0.23	3.07	8.40	6.4	5.4	13	6.6
55	0.16	1.48	5.84	4.8	3.4	13	8.2
60	0.105	0.64	3.83	3.3	1.9	13	9.7
65	0.07	0.28	2.56	2.3	1.1	13	10.7
70	0.03	0.05	1.10	1.0	0.4	13	12.0
75	0.02	0.02	0.73	0.7	0.2	13	12.3
80	0.005	0.00	0.18	0.2	0.0	13	12.8
85	0	0.00	0.00	0.0	0.0	13	13.0
90	0	0.00	0.00	0.0	0.0	13	13.0

