

**FIGURE 4** (Page 1 of 4)**LONGLEY RICE - POPULATION INTERFERENCE ANALYSIS**

CAUSED INTERFERENCE BY W12CL - GRANBY, CT  
 45 KW DISPLACEMENT APPLICATION  
**Channel 34- - SPRINGFIELD, MA**

Tower Located Adjacent to the WWLP TV Tower

TV Outgoing Interference Study

Signal Resolution: 1 km

Consider NTSC Taboo: Yes

KWX error points are considered to  
be interference free coverage.

# of radials computed for contours: 72

Contours calculated using 8 radial HAAT.

LR Profile Spacing Increment: 0.1 km

Masked interference points are being  
counted as interference.

Using NTSC lptv/translators D/U rules.

Study Date: 11/13/2003

TV Database Date: 11-13-03

Population Database: 1990 US Census

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**Stations Considered (40) :**

Call Letters	City	State	Dist	Bear	
AP924 (34+)	Lake Placid	NY	264.4	336.5	
NEW.A (34+)	Port Jervis	NY	186.2	245.6	
W35BK (35+)	Plainfield	MA	50.8	343.5	
WCDCTV (19Z)	Adams	MA	72.3	328.2	<b>LPONE</b>
WCRN-LP (34+)	Leicester	MA	66.4	74.0	<b>LPONE (LP)</b>
WFSB-D.C (33)	Hartford	CT	35.4	193.8	<b>LPONE</b>
WFSB-D.R (33)	HARTFORD	CT	35.4	193.8	
WFSB-D.S (33)	Hartford	CT	35.4	193.8	
WHPX (26+)	New London	CT	85.1	150.3	
WHPX-D.R (34)	NEW LONDON (WTWS)	CT	85.1	150.3	
WHPX-D (34)	New London	CT	85.2	150.3	<b>LPONE</b>
WIVT (34Z)	Binghamton	NY	268.1	270.5	
WIVT.C (34Z)	Binghamton	NY	268.1	270.5	
WMHT-D.C (34)	Schenectady	NY	123.3	299.6	<b>LPONE</b>
WMHT-D.R (34)	SCHENECTADY	NY	123.3	300.3	
WNBU-D.R (33)	CONCORD	NH	166.7	42.4	

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WNDS-D.C (35)	Derry	NH	129.8	55.7	
WNDS-D.R (35)	DERRY	NH	129.8	55.7	
WNDS-D.S (35)	Derry	NH	129.9	55.8	
WNEU-D.R (34)	MERRIMACK (WGOT)	NH	135.5	42.1	
WNEU-D (34)	Merrimack	NH	135.5	42.1	<b>LPONE</b>
WNEU.A (34Z)	Merrimack	NH	135.5	42.1	<b>LPONE</b>
WNGN-L.C (35-)	Troy	NY	108.8	316.0	
WPIX-D.C (33)	New York	NY	187.7	216.1	
WPIX-D.R (33)	NEW YORK	NY	187.7	216.1	
WPXG-D.C (33)	Concord	NH	166.7	42.4	
WPXO-L (34-)	East Orange	NJ	192.1	222.7	
WPXO-L.C (34-)	East Orange	NJ	183.1	216.3	
WTXX (20Z)	Waterbury	CT	68.2	202.7	<b>LPONE</b>
WUNI (27Z)	Worcester	MA	86.2	70.8	
WVIT (30+)	New Britain	CT	44.0	194.1	
WVIT-D.C (35)	New Britain	CT	44.0	194.1	<b>LPONE</b>
WVIT-D.R (35)	NEW BRITAIN	CT	44.0	194.1	
WVTA (41Z)	Windsor	VT	151.7	7.7	
WVTA.A (41Z)	Windsor	VT	151.7	7.7	
WVTA.C (41Z)	Windsor	VT	151.7	7.7	
WXTV (41-)	Paterson	NJ	183.1	216.3	
WXTV.C (41-)	Paterson	NJ	183.1	216.3	
WYBE-D.C (34)	Philadelphia	PA	311.1	224.0	
WYBE-D.R (34)	PHILADELPHIA	PA	311.3	224.0	

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**FIGURE 4** (Page 3 of 4)**Stations which receive interference (15) :**

Call	CHANNEL	BASE LINE Population	0.5% Pop.	WITH/WITHOUT MASKING Interference Population			
				Without	With		
*****	*****	*****	*****	*****	*****		
WCDCTV	19Z Lic	1,124k	5.62k	241,990	594	M	LPONE
WCRN-LP	34+ Lic	238k #	1.19k	8,994	1,132	M	LPONE
WFSB-D.S	33 D-STA	2,459k	12.29k	1,276	428	M	LPONE
WHPX-D.R	34 Allot	2,417k	12.08k	422,596	3,710	M	
WHPX-D	34 D-Lic	2,114k	10.57k	469,618	7,769	M	LPONE
WMHT-D.C	34 D-CP	1,398k	6.99k	1,130	>	W	LPONE
WMHT-D.R	34 Allot	1,188k	5.94k	246	>	W	
WNEU-D.R	34 Allot	1,917k	9.58k	5,737	>	W	
WNEU-D	34 D-Lic	2,785k	13.92k	15,051	2,302	M	LPONE
WNEU.A	34Z App	1,971k #	9.85k	8,739	437	M	LPONE
WTXX	20Z Lic	4,039k	20.19k	91,270	0	M	LPONE
WUNI	27Z Lic	5,107k	25.53k	6,238	>	W	
WVIT	30+ Lic	3,765k	18.82k	921	>	W	
WVIT-D.C	35 D-CP	4,037k	20.18k	185	>	W	LPONE
WVIT-D.R	35 Allot	3,872k	19.36k	185	>	W	

# - Base line population determined independently 2000 Census.

W - Ok, less than 0.5% without masking.

M - Ok, less than 0.5% with masking.

LPONE - Potential problem identified by LPONE Computer Program.

**The predicted LR "masked" interference is well below the 0.5% threshold to all stations.**

**FIGURE 4** (Page 4 of 4)**MASKING SUMMARY**

Identification of which stations mask the interference predicted to be caused by the Channel 34- 45 kW-DA proposal to:

WWCD-LIC-19Z	WTXX-LIC-20, WUVN-LIC-18, WWLP-LIC-22
WCRN-LPTV-34	WHPX-LIC-34-DTV
WFSB-STA-33-DTV	WETK-LIC-33, WPIX-CP-33-DTV
WHPX-RM-34-DTV	WMHT-CP-34-DTV, WVIT-CP-35-DTV, WYBE-CP-34-DTV
WHPX-LIC-34-DTV	WMHT-CP-34-DTV, WVIT-CP-35-DTV, WYBE-CP-34-DTV
WMHT-CP-34-DTV	<b>MASKING NOT NEEDED</b>
WMHT-RM-34-DTV	<b>MASKING NOT NEEDED</b>
WNEU-RM-34-DTV	<b>MASKING NOT NEEDED</b>
WNEU-LIC-34-DTV	WHPX-LIC-34-DTV
WNEU-APP-34	WHPX-LIC-34-DTV, WMHT-CP-34-DTV, WPXG-CP-33-DTV, WSBK-LIC-38, WUNI-LIC-27, WYDN-LIC-48
WTXX-LIC-20	WWLP-LIC-22
WUNI-LIC-27	<b>MASKING NOT NEEDED</b>
WVIT-LIC-30	<b>MASKING NOT NEEDED</b>
WVIT-CP-35-DTV	<b>MASKING NOT NEEDED</b>
WVIT-RM-35-DTV	<b>MASKING NOT NEEDED</b>