

FIGURE 4 (Page 1 of 2)**LONGLEY RICE - POPULATION INTERFERENCE ANALYSIS****CAUSED INTERFERENCE BY WMLD-LP - HARTFORD, CT
50 KW DISPLACEMENT APPLICATION FILED BY ASSIGNEE**

WMLD-LP CH.48- Displacement Application

July 2003

TV Outgoing Interference Study

Signal Resolution: 1.5 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: 7/9/2003

TV Database Date: 07-07-03

Population Database: 1990 US Census for NTSC & DTV and 2000 Census to LPTVs.

Stations which receive interference:

Call	CHANNEL	BASE LINE Population	0.5% Pop.	Interference Population Without	With Masking		
*****	*****	*****	*****	*****	*****		
WEDW	49- LIC	3,156 K	15.7 K	25,836	14,898	M	LPONE
WRNN-DT	48 CP	5,702 K *	28.1 K	139,381	667	M	LPONE
WRNN-DT	48 RM	3,670 K *	18.3 K	43,137	273	M	LPONE
WRNN-DT	48 STA	5,296 K *	26.4 K	99,050	241	M	
WUTH-CA	47- LIC	45 K	0.22 K	3,116	0	M	LPONE
WYDN	48+ LIC	3,643 K	18.2 K	238,836	14,758	M	LPONE
WYDN-DT	47 RM	3,870 K	19.3 K	12,124	0	W	
WGTW	48- LIC	6,439 K	32.1 K	0		W	LPONE

* - Base line population determined independently.

W - Ok, less than 0.5% without masking.**M** - Ok, less than 0.5% with masking.**LPONE** - Potential problem identified by LPONE

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

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Identification of which stations mask the interference predicted to be caused by the WMLD-LP 50 kW-DA proposal to:

WEDW-LIC-49	WEDN-LIC-53, WEKW-CP-49-DTV, WLNE-CP-49-DTV WUVN-CP-46
WRNN-CP-48-DTV	WEDW-LIC-49, WGTW-LIC-48, WNJU-LIC-47, WYDN-LIC-48
WRNN-RM-48-DTV	WEDW-LIC-49, WGTW-LIC-48, WNJU-LIC-47, WYDN-LIC-48
WRNN-STA-48-DTV	WEDW-LIC-49, WGTW-LIC-48, WNJU-LIC-47, WYDN-LIC-48
WUTH-LIC-47-CA	WUVN-CP-46-DTV
WYDN-LIC-48	WGGB-LIC-40
WYDN-RM-47-DTV	WNJU-LIC-47, WUTH-LIC-47-CA, WUVN-CP-46-DTV
WGTW-LIC-48	No interference caused by WMLD-LP