

FIGURE 4**LONGLEY RICE - POPULATION INTERFERENCE ANALYSIS****CAUSED INTERFERENCE BY W40AF
150 KW MODIFICATION APPLICATION**

W40AF-35-150 (35+) Dillsburg, PA

June 2002

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: 6/6/2002

TV Database Date: 06-01-02

Population Database: 1990 US Census

Stations which receive interference:

Call	CHANNEL	BASE LINE Population	0.5% Pop.	Inter. To Population	
*****	*****	*****	*****	*****	
WDCA-D.C	35 DTV	6100 K	30.5 K	6461	Ok, Less Than 0.5%
WDCA-D.R	35 DTV			5051	Ok, Less Than 0.5%
WHPTV	21+	1864 K	9.3 K	1573	Ok, Less Than 0.5%
WITF	33+	1804 K	9.0 K	1091	Ok, Less Than 0.5%
WITF-D.R	36 DTV	1774 K	8.8 K	631	Ok, Less Than 0.5%
WITF-D	36 DTV		8.8 K	1091	Ok, Less Than 0.5%
WRLHTV	35+	1089 K	5.4 K	2393	Ok, Less Than 0.5%
WRLHTV.C	35+			16061	Must Use Masking
	With masking by WDCA DTV CP			346	Ok, Less Than 0.5%
WWPB	31Z	713 K	3.5 K	1587	Ok, Less Than 0.5%
WYBE	35-	5690 K	28.4 K	9521	Ok, Less Than 0.5%
WYBE.A	35-			17732	Ok, Less Than 0.5%
WYLN-LP	35+			2568	Ok, No inter with 74 dBu

Due to the small amount of interference caused, only WRLH 35+ needed to be analyzed with masking interference from other full service stations.