

Population Database: 2000 US Census (SF1)

Greg Best Consulting Inc. Population Report

WTBS-LP (26-) Atlanta, GA - BLTTL20000620AEP

Broadcast Type: NTSC Service: X

Lat: 33-45-34 N Lng: 084-23-19 W ERP: 22.20 kW AMSL: 570.0 m

TV Incoming Interference Study

Interference Considered Within: FCC Contour: 74 dBu

Signal Resolution: 1.0 km

LR Profile Spacing Increment: 1.0 km

Consider NTSC Taboo: Yes

KWX error points are considered to
be interference free coverage.

of radials computed for protected contour: 72

Protected contour calculated using 8 radial HAAT. (HAAT values snapped to 30 m before
Using lptv/translators D/U rules.

Threshold for reception: 74.0 dBu

Pop Centroid DB: 2000 US Census (SF1)

Study Date: 8/6/2013

TV Database Date: 7/28/2013

Primary Terrain: V-Soft 3 Second US Terrain

Secondary Terrain: NED 3 Second US Terrain

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 1,916,219.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WAGA-TV.C (27)	581,714	1,469,567	76.691	1696.51
WAGA-TV-D (27)	305,442	796,927	41.589	1013.87
WATL-D (25)	313,106	808,613	42.198	1019.84
WGCL-TV-D (19)	3,959	9,617	0.502	9.12
WHVC-LD-D.C (26)	19,966	51,554	2.690	56.76
1330756-D.A (26)	0	0	0.000	1.01
WTJP-TV-D (26)	3,841	9,217	0.481	13.18

Masking Summary:

Call Letters	Total Interference Population	%	Unique Interference Population	%
WAGA-TV.C (27)	1,469,567	76.691	633,911	33.081
WAGA-TV-D (27)	796,927	41.589	2,848	0.149
WATL-D (25)	808,613	42.198	5,726	0.299
WGCL-TV-D (19)	9,617	0.502	0	0.000
WHVC-LD-D.C (26)	51,554	2.690	0	0.000
1330756-D.A (26)	0	0.000	0	0.000
WTJP-TV-D (26)	9,217	0.481	0	0.000

Stations considered which do not cause interference:

WIRE-CD-D (40N)
 WYGA-LD-D.C (18)
 W45DX-D.C (24)
 WTBS-LD-D (30)
 WANN-CD-D (29)
 WANN-CD-D (29)
 WDWL-LP-D.C (28)
 WSKC-CD-D (22)
 WATC-DT (41)
 WATC-DT (41)
 WLFW-LP (41-)
 W26DS-D.C (26)
 W36ED-D.A (26)
 1360049-D.A (26)
 W26EM-D.C (26)
 1328356-D.A (26)
 WATE-TV-D (26)
 WCCB-D.C (26)

Call Letters	City	State	Dist	Azi
WIRE-CD-D (40N)	Atlanta	GA	3.1	121.6
WYGA-LD-D.C (18)	Atlanta	GA	3.1	121.6
WAGA-TV.C (27)	Atlanta	GA	6.6	50.2
WAGA-TV-D (27)	Atlanta	GA	6.6	50.2
W45DX-D.C (24)	Atlanta	GA	7.0	40.7
WATL-D (25)	Atlanta	GA	7.0	40.7
WGCL-TV-D (19)	Atlanta	GA	7.0	40.7
WTBS-LD-D (30)	Atlanta	GA	7.0	40.7
WANN-CD-D (29)	Atlanta	GA	7.0	40.7
WANN-CD-D (29)	Atlanta	GA	7.0	40.7
WDWL-LP-D.C (28)	Cleveland	GA	7.0	40.7
WSKC-CD-D (22)	Atlanta	GA	32.3	41.6
WATC-DT (41)	Atlanta	GA	34.6	349.8
WATC-DT (41)	Atlanta	GA	34.6	349.8
WHVC-LD-D.C (26)	Helen	GA	125.4	28.8
WLFW-LP (41-)	Lafayette	GA	126.8	324.3
W26DS-D.C (26)	La Grange	GA	127.9	218.1
1330756-D.A (26)	Macon	GA	136.0	145.1
W36ED-D.A (26)	Macon	GA	136.0	145.1
1360049-D.A (26)	Warner Robbins	GA	136.1	145.2
W26EM-D.C (26)	Athens	GA	140.6	79.2
1328356-D.A (26)	Woodville	GA	152.8	100.2
WTJP-TV-D (26)	Gadsden	AL	190.9	272.4
WATE-TV-D (26)	Knoxville	TN	252.3	9.2
WCCB-D.C (26)	Shelby	NC	329.2	59.4

Totals for WTBS-LP (26-)

	Population	Area
Calculation Area Population:	1,931,751	[2165.2 sq. km]
Not Affected by Terrain Loss:	1,916,219	[2138.8 sq. km]
Total NTSC Interference:	1,469,567	[1696.5 sq. km]
DTV Only Interference:	16,652	[23.3 sq. km]
Total DTV Interference:	852,308	[1070.6 sq. km]
Interfered Population:	1,486,219	[1719.9 sq. km]
Interference Free:	430,000	[419.0 sq. km]
Percent Interference:	77.56 %	
Terrain Blocked Population:	15,532	[26.4 sq. km]