

Incoming interference to WGS-A-D

WGS-A-D.C (35) Baxley, GA - BMPCDT20010608AAE
Lat: 32-03-35 N Lng: 081-20-43 W ERP: 650.0 kW AMSL: 461.0 m
TV Incoming Interference Study
Interference Considered Within: Noise Limited FCC Contour
Signal Resolution: 1.25 km
LR Profile Spacing Increment: 0.1 km
Consider NTSC Taboo: Yes
KWX error points are considered to
be interference free coverage.
of radials computed for contours: 360
Contours calculated using 8 radial HAAT.
Threshold for reception: 40.771
Pop Centroid DB: 1990 US Census

Study Date: 5-2-2005
TV Database Date: 04-21-05

Primary Terrain: V-Soft 3 Second US Terrain
Secondary Terrain: V-Soft 30 Second US Database

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 827,235.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WLTZ-D.C (35)	28	51	0.006	11.29
WCIV-D.C (34)	0	0	0.000	1.61
WGG-S-D.C (35)	11	23	0.003	1.60
WMMP-D.C (35)	4716	7959	0.962	1926.56
WRLKTV (35+)	40	94	0.011	12.83
W35BB-P (35-)	1	3	0.000	3.22

Masking Summary:

Call Letters	Total Interference Population	%	Unique Interference Population	%
WLTZ-D.C (35)	51	0.006	30	0.004
WCIV-D.C (34)	0	0.000	0	0.000
WGG-S-D.C (35)	23	0.003	0	0.000
WMMP-D.C (35)	7959	0.962	7936	0.959
WRLKTV (35+)	94	0.011	53	0.006
W35BB-P (35-)	3	0.000	0	0.000

Stations considered which do not cause interference:

WJWB-D.C (34)
WOFL (35+)
WGS-A (34+)
WBVJ-L (35+)
WCIV-D.P (34)

WCIV-D.C (34)
 WMMP (36+)
 WMMP.C (36+)

Call Letters	City	State	Dist	Bear
WJWB-D.C (34)	Jacksonville	FL	198.8	186.1
WOFL (35+)	Orlando	FL	383.9	176.2
WGSA (34+)	Baxley	GA	89.6	248.8
WLTZ-D.C (35)	Columbus	GA	336.4	278.5
WBVJ-L (35+)	Valdosta	GA	230.2	234.6
WCIV-D.P (34)	Charleston	SC	182.0	57.8
WCIV-D.C (34)	Charleston	SC	182.0	57.8
WGGG-D.C (35)	Greenville	SC	334.5	343.1
WMMP-D.C (35)	Charleston	SC	183.2	57.4
WRLKTV (35+)	Columbia	SC	231.5	9.4
WMMP (36+)	Charleston	SC	162.1	59.8
WMMP.C (36+)	Charleston	SC	183.2	57.4
W35BB-P (35-)	Dublin	GA	157.2	289.5

Totals for WGSA-D.C (35)

Calculation Area Population:	827,307	(	35989.3 sq. km)
Not Affected by Terrain Loss:	827,235	(	35978.1 sq. km)
Total NTSC Interference:	97	(	14.4 sq. km)
DTV Only Interference:	7,966	(	1931.4 sq. km)
Total DTV Interference:	8,010	(	1937.8 sq. km)
Interfered Population:	8,063	(	1945.9 sq. km)
Interference Free:	819,172	(	34032.2 sq. km)

Percent Interference: 0.97

Terrain Blocked Population:	72	(	11.3 sq. km)
Contour Area Population:	827,214		

Interference Free Breakdown:

White:	499,995	(	61.0%)
Black:	266,003	(	32.5%)
Hispanic:	33,895	(	4.1%)
Native American:	1,904	(	0.2%)
Asian:	7,887	(	1.0%)
Pacific Islander:	554	(	0.1%)
Mixed Race:	8,083	(	1.0%)
Other:	851	(	0.1%)
Total:	819,172		
