



TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-22-2001 Time: 16:03:40

Record Selected for Analysis

WTTE BPCDT -19991029AGZ COLUMBUS OH US
Channel 36 ERP 1000.0 kW HAAT 298.0 m RCAMSL 581.0 m
Latitude 040-09-33 Longitude 0082-55-21
Status APP Zone 1 Border C
Dir Antenna Make CDB Model 00000000029938 Beam tilt Y Ref Azimuth 0.0
Last update Cutoff date 20010118 Docket
Comments
Applicant COLUMBUS (WTTE-TV) LICENSEE, INC.

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	624.100	296.2	91.9
45.0	688.900	279.2	90.3
90.0	722.500	266.3	88.5
135.0	608.400	282.3	89.6
180.0	1000.000	331.7	100.1
225.0	624.100	317.9	94.6
270.0	722.500	308.8	94.9
315.0	705.600	303.0	94.0

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WTTE 36 COLUMBUS OH BPCDT 19991029AGZ

and station

SHORT TO: 960722KP 32 XENIA OH BPCT 19960722KP
039-43-52 0083-32-28
Req. separation => 24.1 <= 80.5 Actual separation 71.1 Short 9.4(47.0) km

SHORT TO: WUPW 36 TOLEDO OH BLCT 19850930KG
041-39-21 0083-26-40
Req. separation 217.3 Actual separation 171.9 Short 45.4 km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

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Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance
Distance to border = 170.5km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
36	WTTE	COLUMBUS OH	BPCDT 19991029AGZ

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
36	WYTV-DT	YOUNGSTOWN OH	217.5	PLN	DTVPLN	-DTVP0973
36	WYTV	YOUNGSTOWN OH	217.5	CP	BPCDT	-19991028ADP
22	WKEF	DAYTON OH	124.1	CP	BPCT	-19980526KE
22	WKEF	DAYTON OH	124.0	LIC	BLCT	-2584
28	WTTE	COLUMBUS OH	0.0	LIC	BLCT	-19840614KE
32	960722KP	XENIA OH	71.0	APP	BPCT	-19960722KP
34	WOSU-TV	COLUMBUS OH	0.0	LIC	BMLET	-19851106KE
35	WOUC-TV	CAMBRIDGE OH	139.1	APP	BPEDT	-20000407ACF
35	WLWT	CINCINNATI OH	178.8	APP	BPCDT	-20000414ABJ
35	WLIO	LIMA OH	121.5	LIC	BLCT	-19890519KE
36	WFFT-TV	FT. WAYNE IN	218.8	APP	BPCDT	-19991029ADC
36	WTWO	TERRE HAUTE IN	395.5	CP	BPCDT	-19991029AGM
36	WTVQ-TV	LEXINGTON KY	268.1	LIC	BLCT	-19800619IX
36	WGPT	OAKLAND MD	321.1	CP	BPET	-20000502ABG
36	WGPT	OAKLAND MD	321.1	LIC	BLET	-19940415KE
36	WJRT-TV	FLINT MI	354.1	CP	BPCDT	-19991101ACO
36	WUPW	TOLEDO OH	172.0	LIC	BLCT	-19850930KG
36	WPXR	ROANOKE VA	407.7	CP	BPCDT	-19990903AAF
44	WOUC-TV	CAMBRIDGE OH	139.1	APP	BPET	-20010321ABH
44	WOUC-TV	CAMBRIDGE OH	139.1	LIC	BMLET	-19910905KG
44	WTLW	LIMA OH	126.0	LIC	BLCT	-19820714KG
35	WOUC-DT	CAMBRIDGE OH	139.1	PLN	DTVPLN	-DTVP0932
35	WLWT-DT	CINCINNATI OH	178.8	PLN	DTVPLN	-DTVP0933
36	WFFT-DT	FORT WAYNE IN	218.9	PLN	DTVPLN	-DTVP0955
36	WTWO-DT	TERRE HAUTE IN	395.5	PLN	DTVPLN	-DTVP0957
36	WJRT-DT	FLINT MI	354.1	PLN	DTVPLN	-DTVP0962
36	WEFC-DT	ROANOKE VA	407.7	PLN	DTVPLN	-DTVP0979

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33	WKJGTV	FORT WAYNE IN	380.5	PLN	DTVPLN	-NPLN0567
25	WVIZ	CLEVELAND OH	97.5	PLN	DTVPLN	-NPLN1149
26	WNYB	JAMESTOWN NY	188.4	PLN	DTVPLN	-NPLN1150
33	WITFTV	HARRISBURG PA	327.2	PLN	DTVPLN	-NPLN1273
35	WSEE	ERIE PA	118.6	PLN	DTVPLN	-NPLN1278
40	WPCBT	GREENSBURG PA	103.6	PLN	DTVPLN	-NPLN1282
47	WKBSTV	ALTOONA PA	192.5	PLN	DTVPLN	-NPLN1290
33	WPBYTV	HUNTINGTON WV	315.1	PLN	DTVPLN	-NPLN1740

Results for: 33N OH YOUNGSTOWN	DTVPLN	NPLN1272	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1218781	11473.2	
not affected by terrain losses	1190291	11212.1	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	59569	646.8	
lost to all IX	59569	646.8	

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
36	WYTV-DT	YOUNGSTOWN OH	DTVPLN	-DTVP0973

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
36	WTTE	COLUMBUS OH	217.5	APP	BPCDT	-19991029AGZ
36	WTTE-DT	COLUMBUS OH	217.5	PLN	DTVPLN	-DTVP0972
35	WOUC-TV	CAMBRIDGE OH	121.1	APP	BPEDT	-20000407ACF
35	WSEE-TV	ERIE PA	118.6	LIC	BLCT	-19820430KH
35	WSEE-TV	ERIE PA	118.5	CP	BPCT	-19990928AAT
36	WTTG	WASHINGTON DC	382.4	LIC	BLCDDT	-19991013AAB
36	WFFT-TV	FT. WAYNE IN	382.0	APP	BPCDDT	-19991029ADC
36	WGPT	OAKLAND MD	216.6	CP	BPET	-20000502ABG
36	WGPT	OAKLAND MD	216.6	LIC	BLET	-19940415KE
36	WJRT-TV	FLINT MI	371.0	CP	BPCDDT	-19991101ACO
36	WENY-TV	ELMIRA NY	333.7	LIC	BLCT	-1934
36	WUPW	TOLEDO OH	243.5	LIC	BLCT	-19850930KG
36	WITF-TV	HARRISBURG PA	327.2	LIC	BLEDT	-20000922AHE
35	WOUC-DT	CAMBRIDGE OH	121.1	PLN	DTVPLN	-DTVP0932
36	WTTG-DT	WASHINGTON DC	382.4	PLN	DTVPLN	-DTVP0950
36	WFFT-DT	FORT WAYNE IN	382.0	PLN	DTVPLN	-DTVP0955
36	WJRT-DT	FLINT MI	371.0	PLN	DTVPLN	-DTVP0962
36	WITF-DT	HARRISBURG PA	327.2	PLN	DTVPLN	-DTVP0975

Total scenarios = 4

Result key: 1
 Scenario 1 Affected station 1
 Before Analysis

Results for: 36A OH YOUNGSTOWN	DTVPLN	DTVP0973	PLN
HAAT 177.0 m, ATV ERP 50.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1218781	11473.2	
not affected by terrain losses	1212663	11396.8	
lost to NTSC IX	885	40.2	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	386	20.1	
lost to all IX	885	40.2	

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Potential Interferring Stations Included in above Scenario 1

36N MD OAKLAND	BPET	20000502ABG	CP
36N OH TOLEDO	BLCT	19850930KG	LIC
36A OH COLUMBUS	DTVPLN	DTVP0972	PLN

After Analysis

Results for: 36A OH YOUNGSTOWN DTVPLN DTVP0973 PLN
 HAAT 177.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1218781	11473.2
not affected by terrain losses	1212663	11396.8
lost to NTSC IX	885	40.2
lost to additional IX by ATV	11380	104.4
lost to ATV IX only	11766	124.5
lost to all IX	12265	144.6

Potential Interferring Stations Included in above Scenario 1

36N MD OAKLAND	BPET	20000502ABG	CP
36N OH TOLEDO	BLCT	19850930KG	LIC
36A OH COLUMBUS	BPCDT	19991029AGZ	APP

Result key: 2
 Scenario 2 Affected station 1
 Before Analysis

Results for: 36A OH YOUNGSTOWN DTVPLN DTVP0973 PLN
 HAAT 177.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1218781	11473.2
not affected by terrain losses	1212663	11396.8
lost to NTSC IX	757	36.2
lost to additional IX by ATV	0	0.0
lost to ATV IX only	386	20.1
lost to all IX	757	36.2

Potential Interferring Stations Included in above Scenario 2

36N MD OAKLAND	BLET	19940415KE	LIC
36N OH TOLEDO	BLCT	19850930KG	LIC
36A OH COLUMBUS	DTVPLN	DTVP0972	PLN

After Analysis

Results for: 36A OH YOUNGSTOWN DTVPLN DTVP0973 PLN
 HAAT 177.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1218781	11473.2
not affected by terrain losses	1212663	11396.8
lost to NTSC IX	757	36.2
lost to additional IX by ATV	11380	104.4
lost to ATV IX only	11766	124.5
lost to all IX	12137	140.6

Potential Interferring Stations Included in above Scenario 2

36N MD OAKLAND	BLET	19940415KE	LIC
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36N OH TOLEDO	BLCT	19850930KG	LIC
36A OH COLUMBUS	BPCDT	19991029AGZ	APP

Result key: 3
Scenario 3 Affected station 1
Before Analysis

Results for: 36A OH YOUNGSTOWN DTVPLN DTVP0973 PLN
HAAT 177.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1218781	11473.2
not affected by terrain losses	1212663	11396.8
lost to NTSC IX	885	40.2
lost to additional IX by ATV	8	4.0
lost to ATV IX only	394	24.1
lost to all IX	893	44.2

Potential Interferring Stations Included in above Scenario 3

36N MD OAKLAND	BPET	20000502ABG	CP
36N OH TOLEDO	BLCT	19850930KG	LIC
35A OH CAMBRIDGE	BPEDT	20000407ACF	APP
36A OH COLUMBUS	DTVPLN	DTVP0972	PLN

After Analysis

Results for: 36A OH YOUNGSTOWN DTVPLN DTVP0973 PLN
HAAT 177.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1218781	11473.2
not affected by terrain losses	1212663	11396.8
lost to NTSC IX	885	40.2
lost to additional IX by ATV	11388	108.5
lost to ATV IX only	11774	128.6
lost to all IX	12273	148.6

Potential Interferring Stations Included in above Scenario 3

36N MD OAKLAND	BPET	20000502ABG	CP
36N OH TOLEDO	BLCT	19850930KG	LIC
35A OH CAMBRIDGE	BPEDT	20000407ACF	APP
36A OH COLUMBUS	BPCDT	19991029AGZ	APP

Result key: 4
Scenario 4 Affected station 1
Before Analysis

Results for: 36A OH YOUNGSTOWN DTVPLN DTVP0973 PLN
HAAT 177.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1218781	11473.2
not affected by terrain losses	1212663	11396.8
lost to NTSC IX	757	36.2
lost to additional IX by ATV	8	4.0
lost to ATV IX only	394	24.1
lost to all IX	765	40.2

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Potential Interferring Stations Included in above Scenario 4

36N MD OAKLAND	BLET	19940415KE	LIC
36N OH TOLEDO	BLCT	19850930KG	LIC
35A OH CAMBRIDGE	BPEDT	20000407ACF	APP
36A OH COLUMBUS	DTVPLN	DTVP0972	PLN

After Analysis

Results for: 36A OH YOUNGSTOWN DTVPLN DTVP0973 PLN
HAAT 177.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1218781	11473.2
not affected by terrain losses	1212663	11396.8
lost to NTSC IX	757	36.2
lost to additional IX by ATV	11388	108.5
lost to ATV IX only	11774	128.6
lost to all IX	12145	144.6

Potential Interferring Stations Included in above Scenario 4

36N MD OAKLAND	BLET	19940415KE	LIC
36N OH TOLEDO	BLCT	19850930KG	LIC
35A OH CAMBRIDGE	BPEDT	20000407ACF	APP
36A OH COLUMBUS	BPCDT	19991029AGZ	APP

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