

Percent allowed new interference: 0.500
 Percent allowed new interference to non Class A LPTV: 2.000
 TW Census data selected 2000
 Data Base Selected
 /space/software/cdbs/pt_tvdb.sff
 TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-22-2015 Time: 14:19:33

Record Selected for Analysis

WATSC3.0 USERRECORD-01 PARMA OH US
 Channel 09 ERP 10. kW HAAT 266. m RCAMSL 00533 m
 Latitude 041-21-48 Longitude 0081-42-58
 Status APP Zone 1 Border Site number: 01
 Last update Cutoff date Docket
 Comments
 Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) meets maximum height/power limits

Site number	ERP	HAAT	36.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	10.000	312.3	93.207
45.0	10.000	286.0	91.712
90.0	10.000	269.4	91.050
135.0	10.000	222.9	88.272
180.0	10.000	220.1	88.057
225.0	10.000	235.1	89.177
270.0	10.000	285.8	91.704
315.0	10.000	297.3	92.246

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap
 to Class A stations from site # 01

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WATSC3.0 09 PARMA OH USERRECORD01 Site # 01

and station

SHORT TO: WTOV-TV 09 STEUBENVILLE OH BLCDT 20111206ACB
040-20-33 0080-37-14
Req. separation 244.6 Actual separation 146.2 Short 98.4 km

Checks to Site Number 01

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance
Distance to border = 60.9km

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
09	WATSC3.0	PARMA OH	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	WJW	CLEVELAND OH	0.0	LIC	BLCDT	20090612AJC
08	WGCT-CD	COLUMBUS OH	182.2	LIC	BLDVA	20131021AAM
08	WLIO	LIMA OH	213.7	LIC	BLCDT	20070305ABB
09	WISH-TV	INDIANAPOLIS IN	412.5	LIC	BLCDT	20090622ABX
09	WWTW	CADILLAC MI	427.3	LIC	BLCDT	20091217ACZ

09	WTOV-TV	STEUBENVILLE OH	146.1	LIC	BLCDT	20111206ACB
09	W09DB-D	WILLIAMSPORT PA	397.7	LIC	BLANK	0000001611
10	WOIO	SHAKER HEIGHTS OH	3.2	LIC	BLANK	0000001560

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	WJW	CLEVELAND OH	BLCDT	-20090612AJC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	WJBK	DETROIT MI	173.8	LIC	BLCDT	-20090813ABG
07	WTRF-TV	WHEELING WV	165.9	LIC	BLCDT	-20090227ABV
08	WWMT	KALAMAZOO MI	345.7	LIC	BLCDT	-20090616AAV
08	WLIO	LIMA OH	213.7	LIC	BLCDT	-20070305ABB
08	WWCP-TV	JOHNSTOWN PA	252.7	LIC	BLANK	-0000001637
08	WVNS-TV	LEWISBURG WV	408.3	LIC	BLCDT	-20050923AGX
09	WTOV-TV	STEUBENVILLE OH	146.1	LIC	BLCDT	-20111206ACB
09	WATSC3.0	PARMA OH	0.0	APP	USERRECORD-01	

Proposal causes no interference

#####

Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	WGCT-CD	COLUMBUS OH	BLDVA	-20131021AAM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	WBNA	LOUISVILLE KY	327.0	LIC	BLCDT	-20021024AAB
08	WWMT	KALAMAZOO MI	359.6	LIC	BLCDT	-20090616AAV
08	WJW	CLEVELAND OH	182.2	LIC	BLCDT	-20090612AJC
08	WLIO	LIMA OH	126.2	LIC	BLCDT	-20070305ABB
08	WWCP-TV	JOHNSTOWN PA	325.5	LIC	BLANK	-0000001637
08	WVNS-TV	LEWISBURG WV	318.6	LIC	BLCDT	-20050923AGX
08	WWVW-LD	WHEELING WV	189.2	APP	BPDVL	-20130703ACW
09	WATSC3.0	PARMA OH	182.2	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
08	WLIO	LIMA OH	BLCDT -20070305ABB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	WJBK	DETROIT MI	205.1	LIC	BLCDT -20090813ABG
08	WBNA	LOUISVILLE KY	332.3	LIC	BLCDT -20021024AAB
08	WWMT	KALAMAZOO MI	239.8	LIC	BLCDT -20090616AAV
08	WJW	CLEVELAND OH	213.7	LIC	BLCDT -20090612AJC
08	WWCP-TV	JOHNSTOWN PA	425.8	LIC	BLANK -0000001637
08	WMVS	MILWAUKEE WI	406.7	LIC	BLEDT -20120802AAO
08	WMVS	MILWAUKEE WI	406.7	APP	BMPEDT -20100730ABN
09	WISH-TV	INDIANAPOLIS IN	199.9	LIC	BLCDT -20090622ABX
09	WATSC3.0	PARMA OH	213.7	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
09	WISH-TV	INDIANAPOLIS IN	BLCDT -20090622ABX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
08	WBNA	LOUISVILLE KY	210.1	LIC	BLCDT -20021024AAB
08	WLIO	LIMA OH	199.9	LIC	BLCDT -20070305ABB
09	WILL-TV	URBANA IL	210.5	APP	BPEDT -20100406ABJ
09	WILL-TV	URBANA IL	210.5	LIC	BLEDT -20050920AEE
09	WNIN	EVANSVILLE IN	231.0	LIC	BLEDT -20090612AGN
10	WTHI-TV	TERRE HAUTE IN	124.0	LIC	BLCDT -20090622ACG
09	WATSC3.0	PARMA OH	412.5	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	WWTV	CADILLAC MI	BLCDT	-20091217ACZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	WWTM	KALAMAZOO MI	168.0	LIC	BLCDT	-20090616AAV
09	WAOW	WAUSAU WI	355.4	LIC	BLCDT	-20120627ABL
10	WILX-TV	ONONDAGA MI	198.3	LIC	BLCDT	-20120404ACG
09	WATSC3.0	PARMA OH	427.3	APP	USERRECORD-01	

Proposal causes no interference

#####

Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	WTOV-TV	STEUBENVILLE OH	BLCDT	-20111206ACB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	WJW	CLEVELAND OH	146.1	LIC	BLCDT	-20090612AJC
08	WWCP-TV	JOHNSTOWN PA	125.9	LIC	BLANK	-0000001637
09	WUSA	WASHINGTON DC	340.2	LIC	BLCDT	-20110314ACQ
10	WOIO	SHAKER HEIGHTS OH	147.1	LIC	BLANK	-0000001560
10	WVFX	CLARKSBURG WV	118.2	LIC	BLCDT	-20090612AJY
09	WATSC3.0	PARMA OH	146.1	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1
 Scenario 1 Affected station 6
 Before Analysis

Results for: 9A OH STEUBENVILLE BLCDT 20111206ACB LIC

HAAT 282.0 m, ATV ERP 30.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4028029	31560.6
not affected by terrain losses	3758844	29152.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	15608	204.7
lost to ATV IX only	15608	204.7
lost to all IX	15608	204.7

Potential Interfering Stations Included in above Scenario 1

8A OH CLEVELAND	BLCDT	20090612AJC	LIC
8A PA JOHNSTOWN	BLANK	0000001637	LIC
9A DC WASHINGTON	BLCDT	20110314ACQ	LIC
10A OH SHAKER HEIGHTS	BLANK	0000001560	LIC
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC

After Analysis

Results for: 9A OH STEUBENVILLE BLCDT 20111206ACB LIC
 HAAT 282.0 m, ATV ERP 30.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4028029	31560.6
not affected by terrain losses	3758844	29152.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	587475	3419.8
lost to ATV IX only	587475	3419.8
lost to all IX	587475	3419.8

Potential Interfering Stations Included in above Scenario 1

8A OH CLEVELAND	BLCDT	20090612AJC	LIC
8A PA JOHNSTOWN	BLANK	0000001637	LIC
9A DC WASHINGTON	BLCDT	20110314ACQ	LIC
10A OH SHAKER HEIGHTS	BLANK	0000001560	LIC
10A WV CLARKSBURG	BLCDT	20090612AJY	LIC
9A OH PARMA	USERRECORD01		APP

The following station failed the de minimis interference criteria.

9D OH PARMA USERRECORD01
 ERP 10.00 kW HAAT 266.0 m RCAMSL 533.0 m
 Antenna none

Due to interference to the following station and scenario: 1

9D OH STEUBENVILLE BLCDT 20111206ACB
 ERP 30.00 kW HAAT 282.0 m RCAMSL 599.0 m
 Antenna CDB 99999999999999

Percent new interference from proposal: 15.2773 to BLCDT 20111206ACB

Worst case new IX 15.2773% Scenario 1

#####

Analysis of Interference to Affected Station 7

Analysis of current record
 Channel Call City/State Application Ref. No.

09 W09DB-D WILLIAMSPORT PA BLANK -0000001611

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	WICZ-TV	BINGHAMTON NY	125.5	LIC	BLCDT	-20060320AFC
09	WUSA	WASHINGTON DC	252.4	LIC	BLCDT	-20110314ACQ
09	WTOV-TV	STEUBENVILLE OH	323.3	LIC	BLCDT	-20111206ACB
09	WBPH-TV	BETHLEHEM PA	147.0	LIC	BLCDT	-20100907AAF
09	WBPH-TV	BETHLEHEM PA	147.0	APP	BPCDT	-20110518ADP
09	WWPS-LP	HAWLEY PA	184.3	LIC	BLTVL	-20090311AAM
09	WWPS-LP	HAWLEY PA	184.3	APP	BDISTVL	-20081119AOJ
10	WHTM-TV	HARRISBURG PA	100.3	LIC	BLCDT	-20040812AAH
10	W10CP-D	TOWANDA PA	64.9	LIC	BLDTV	-20090806AAV
09	WATSC3.0	PARMA OH	397.7	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
10	WOIO	SHAKER HEIGHTS OH	BLANK	-0000001560

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	WTOV-TV	STEUBENVILLE OH	147.1	LIC	BLCDT	-20111206ACB
10	WILX-TV	ONONDAGA MI	265.3	LIC	BLCDT	-20120404ACG
10	WHEC-TV	ROCHESTER NY	390.0	LIC	BMLCDT	-20111228ABJ
10	WHTM-TV	HARRISBURG PA	416.3	LIC	BLCDT	-20040812AAH
10	WVFX	CLARKSBURG WV	258.7	LIC	BLCDT	-20090612AJY
10	WSWP-TV	GRANDVIEW WV	392.7	LIC	BLEDT	-20100210AAQ
11	WTOL	TOLEDO OH	143.7	LIC	BLCDT	-20090622ABU
11	WPCW	JEANNETTE PA	172.2	LIC	BLCDT	-20090626AAT
09	WATSC3.0	PARMA OH	3.2	APP	USERRECORD-01	

Proposal causes no interference

#####

Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	WATSC3.0	PARMA OH	USERRECORD-01	

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	WJW	CLEVELAND OH	0.0	LIC	BLCDT	-20090612AJC
08	WLIO	LIMA OH	213.7	LIC	BLCDT	-20070305ABB
09	WISH-TV	INDIANAPOLIS IN	412.5	LIC	BLCDT	-20090622ABX
09	WWTV	CADILLAC MI	427.3	LIC	BLCDT	-20091217ACZ
09	WTOV-TV	STEUBENVILLE OH	146.1	LIC	BLCDT	-20111206ACB
10	WOIO	SHAKER HEIGHTS OH	3.2	LIC	BLANK	-0000001560

Total scenarios = 1

Result key: 2
 Scenario 1 Affected station 9
 Before Analysis

Results for: 9A OH PARMA USERRECORD01 APP
 HAAT 266.0 m, ATV ERP 10.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3876014	25859.0
not affected by terrain losses	3810801	25015.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	474314	3390.3
lost to ATV IX only	474314	3390.3
lost to all IX	474314	3390.3

Potential Interfering Stations Included in above Scenario 1

9A OH STEUBENVILLE BLCDT 20111206ACB LIC

#####

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED