

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: 12-23-2011 Time: 18:52:57

Record Selected for Analysis

W02AG USERRECORD-01 BREVARD NC US  
Channel 02 ERP 0.02 kW HAAT 422. m RCAMSL 01183 m SIMPLE MASK  
Latitude 035-10-40 Longitude 0082-40-55  
Status APP Zone 2 Border Site number: 01  
Dir Antenna Make usr Model W02AG Beam tilt N Ref Azimuth 0.  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station  
Service Class = LD  
Maximum height/power limits not checked

Site number	1		
Azimuth	ERP	HAAT	43.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	0.020	453.9	35.0
45.0	0.004	413.3	23.8
90.0	0.000	348.7	13.3
135.0	0.001	501.8	16.3
180.0	0.000	476.0	14.9
225.0	0.002	332.8	18.0
270.0	0.018	453.3	34.3
315.0	0.017	398.0	32.4

Contour Overlap to Proposed Station

Station  
W02AG 2 BREVARD NC BLTTV19821029IE

Station inside contour of Digital LPTV station  
W02AG 2 BREVARD NC USERRECORD01

Station  
W02AF 2 SYLVA, ETC. NC BLTTV19781204IC causes

Contour overlap to Digital LPTV station  
W02AG 2 BREVARD NC USERRECORD01

## Contour Overlap Evaluation to Proposed Station Complete

NO LANDMOBILE SPACING VIOLATIONS FOUND

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 beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Proposed Station			
Channel	Call	City/State	ARN
02	W02AG	BREVARD NC	USERRECORD01

## Stations Potentially Affected by Proposed Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
02 20060407	WBXA-CA 7AAB	BIRMINGHAM AL	425.7	LIC	BLTVA	-
02 20070504	WESL-LP AGP	JAMESTOWN KY	313.1	LIC	BLTVL	-
02 19821029	W02AG IE	BREVARD NC	0.0	LIC	BLTTV	-
02 19781204	W02AT IC	BURNSVILLE NC	91.4	LIC	BLTTV	-1152
02 19781204	W02AF IC	SYLVA, ETC. NC	53.3	LIC	BLTTV	-
03	W03AK	ELA, ETC. NC	70.2	LIC	BLTTV	-3521
03	W03AL	DEL RIO TN	78.7	LIC	BLTTV	-4225

A decorative horizontal bar consisting of a series of small, light gray circles arranged in a single row.

Analysis of Interference to Affected Station 1

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
02	WBXA-CA	BIRMINGHAM AL	BLTVA	-20060407AAB

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref.
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No.							
03	WDVZ-CA	MOUNDVILLE AL	52.5	APP	BMPDVA	-	
20111117AFV							
03	WDVZ-CA	MOUNDVILLE AL	72.1	LIC	BLTVA	-	
20040107AAH							
02	W02AG	BREVARD NC	425.7	APP	USERRECORD-01		

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 2

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
02	WESL-LP	JAMESTOWN KY	BLTVL -20070504AGP

##### Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
02	W02AG	BREVARD NC	313.1	APP	USERRECORD-01

Proposal causes no interference

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#### Analysis of Interference to Affected Station 3

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
02	W02AG	BREVARD NC	BLTTV -19821029IE

##### Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
02	W02AT	BURNSVILLE NC	91.4	LIC	BLTTV -1152
02	W02AF	SYLVA, ETC. NC	53.3	LIC	BLTTV -
19781204IC					
02	W02AG	BREVARD NC	0.0	APP	USERRECORD-01

Total scenarios = 1

Result key: 1  
Scenario 1 Affected station 3  
Before Analysis

Results for: 2N NC BREVARD	BLTTV	19821029IE	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	23996	391.7	
not affected by terrain losses	23852	385.7	
lost to NTSC IX	858	26.9	
lost to additional IX by ATV	0	0.0	
lost to all IX	858	26.9	

Potential Interfering Stations Included in above Scenario 1

2N NC BURNSVILLE	BLTTV	1152	LIC
2N NC SYLVA, ETC.	BLTTV	19781204IC	LIC

After Analysis

Results for: 2N NC BREVARD	BLTTV	19821029IE	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	23996	391.7	
not affected by terrain losses	23852	385.7	
lost to NTSC IX	858	26.9	
lost to additional IX by ATV	21104	295.0	
lost to all IX	21962	321.9	

Potential Interfering Stations Included in above Scenario 1

2N NC BURNSVILLE	BLTTV	1152	LIC
2N NC SYLVA, ETC.	BLTTV	19781204IC	LIC
2A NC BREVARD	USERRECORD01		APP

The following station failed the de minimis interference criteria.

2D NC BREVARD USERRECORD01  
ERP 0.02 kW HAAT 422.0 m RCAMSL 1183.0 m  
Antenna usr W02AG

Due to interference to the following station and scenario: 1

2N NC BREVARD BLTTV 19821029IE  
ERP 0.06 kW HAAT 568.0 m RCAMSL 1170.0 m  
Antenna CDB 00000000020776

Percent new DTV interference from proposal: 87.9480 BLTTV  
19821029IE

Worst case new IX 87.9480% Scenario 1

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
02	W02AT	BURNSVILLE NC	BLTTV -1152

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
02	W02AG	BREVARD NC	91.4	LIC	BLTTV -
19821029IE					
02	W02AF	SYLVA, ETC. NC	104.8	LIC	BLTTV -
19781204IC					
02	W02AG	BREVARD NC	91.4	APP	USERRECORD-01

Proposal causes no interference

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# Analysis of Interference to Affected Station 5

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
02	W02AF	SYLVA, ETC. NC	BLTTV	-19781204IC

## Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
02	W02AG	BREVARD NC	53.3	LIC	BLTTV	-
19821029IE						
02	W02AT	BURNSVILLE NC	104.8	LIC	BLTTV	-1152
03	W03AK	ELA, ETC. NC	17.6	LIC	BLTTV	-3521
02	W02AG	BREVARD NC	53.3	APP	USERRECORD-01	
Proposal causes no interference						

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# Analysis of Interference to Affected Station 6

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
03	W03AK	ELA, ETC. NC	BLTTV	-3521

## Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
02	W02AF	SYLVA, ETC. NC	17.6	LIC	BLTTV	-
19781204IC						
03	W03AL	DEL RIO TN	66.3	LIC	BLTTV	-4225
03	WBRA-TV	ROANOKE VA	354.9	CP	BPEDT	-
20080619ACF						
03	WBRA-TV	ROANOKE VA	354.9	LIC	BLEDT	-
20030430AAG						
02	W02AG	BREVARD NC	70.2	APP	USERRECORD-01	
Proposal causes no interference						

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# Analysis of Interference to Affected Station 7

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
03	W03AL	DEL RIO TN	BLTTV	-4225

## Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
03	W03AK	ELA, ETC. NC	66.3	LIC	BLTTV	-3521
03	WBRA-TV	ROANOKE VA	291.8	CP	BPEDT	-
20080619ACF						
03	WBRA-TV	ROANOKE VA	291.8	LIC	BLEDT	-
20030430AAG						

02 W02AG BREVARD NC 78.7 APP USERRECORD-01  
Proposal causes no interference

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
02	W02AG	BREVARD NC	USERRECORD-01

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
02	W02AG	BREVARD NC	0.0	LIC	BLTTV -
19821029IE					
02	W02AT	BURNSVILLE NC	91.4	LIC	BLTTV -1152
02	W02AF	SYLVA, ETC. NC	53.3	LIC	BLTTV -
19781204IC					

Total scenarios = 1

Result key: 2  
Scenario 1 Affected station 8  
Before Analysis

Results for: 2A NC BREVARD USERRECORD01 APP

HAAT 422.0 m, ATV ERP 0.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	59542	1916.7
not affected by terrain losses	59537	1911.8
lost to NTSC IX	44107	1182.5
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	44107	1182.5

Potential Interfering Stations Included in above Scenario 1

2N NC BREVARD	BLTTV	19821029IE	LIC
2N NC BURNSVILLE	BLTTV	1152	LIC
2N NC SYLVA, ETC.	BLTTV	19781204IC	LIC

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