

# Summary Study

Percent allowed new interference: 0.500  
Percent allowed new interference to Class A: 0.500  
Census data selected 2000  
Post Transition Data Base Selected ./data\_files/pt\_tvdb.sff

## TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-13-2008 Time: 15:30:34

### Record Selected for Analysis

WVPY-D USERRECORD-01 FRONT ROYAL VA US  
Channel 21 ERP 100. kW HAAT 402. m RCAMSL 00669 m  
Latitude 038-57-36 Longitude 0078-19-52  
Status APP Zone 1 Border  
Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 0.  
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 meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	100.000	468.0	91.1
45.0	99.002	474.1	91.5
90.0	51.840	498.5	88.3
135.0	2.528	404.9	63.7
180.0	7.182	344.7	66.4
225.0	75.864	237.2	71.9
270.0	100.000	406.0	87.7
315.0	100.000	386.3	86.5

### Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

### SPACING VIOLATION FOUND BETWEEN STATION

WVPY-D 21 FRONT ROYAL VA USERRECORD01

and station

SHORT TO: WHP-TV 21 HARRISBURG PA BLCT 2171  
040-20-43 0076-52- 9  
Req. separation 217.3 Actual separation 198.5 Short 18.8 km

SHORT TO: WVPY 21 FRONT ROYAL VA DTVPLN DTVP0787  
38 -57-36 78 -19-52  
Req. separation 196.3 Actual separation 0.0 Short 196.3 km

SHORT TO: WWCW 21 LYNCHBURG VA BLCT 19930513KE  
037-19-14 0079-37-59  
Req. separation 217.3 Actual separation 214.8 Short 2.5 km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

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

\*\*\*\*\*

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
21	WVPY-D	FRONT ROYAL VA	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
20	WWCW	LYNCHBURG VA	214.8	CP MOD	BMPCDT	-
20080619AJT						
20	WWCW	LYNCHBURG VA	214.8	PLN	DTVPLN	-
DTVP0745						
21	WBOC-TV	SALISBURY MD	238.4	APP	BPCDT	-
20080620AFP						
21	WBOC-TV	SALISBURY MD	238.4	PLN	DTVPLN	-
DTVP0767						
21	WBOC-TV	SALISBURY MD	238.4	LIC	BLCDT	-
20060703ABR						

21	WBNS-TV	COLUMBUS OH	418.3	LIC	BLCDDT	-
20021025ABK						
21	WBNS-TV	COLUMBUS OH	418.3	PLN	DTVPLN	-
DTVP0776						
21	WBNS-TV	COLUMBUS OH	418.3	APP	BPCDDT	-
20080620ANA						
21	WHP-TV	HARRISBURG PA	198.4	PLN	DTVPLN	-
DTVP0778						
21	WHP-TV	HARRISBURG PA	198.4	CP MOD	BMPCDDT	-
20080606AEJ						
22	WRIC-TV	PETERSBURG VA	173.0	LIC	BLCDDT	-
20021112ACD						
22	WRIC-TV	PETERSBURG VA	173.0	PLN	DTVPLN	-
DTVP0828						
22	WRIC-TV	PETERSBURG VA	173.0	CP	BPCDDT	-
20080618ADU						
24	WAZH-CA	HARRISONBURG VA	42.5	LIC	BLTTTL	-
19960823JC						
25	WZDC-CA	WASHINGTON DC	108.0	LIC	BLTTTL	-
20070309ADR						
25	WAZM-CA	STAUNTON-WAYNESBORO VA	73.7	LIC	BLTTTL	-
20011107ABW						
28	WAZF-CA	WINCHESTER/FRONT ROY VA	29.3	LIC	BLTTTL	-
19940422IK						

%%%

Study of this proposal found the following interference problem(s):

NONE.