

071101XX W25CI Steubenville OH  
 LPONE Page 1  
 Channel 29 Plus Offset N Lat 40 21 59 W Long 80 35 22  
 ERP: 54.600 kW; RCAMSL: 1443.2 ft  
 It is 15:20:37 on 12-JUL-91  
 Directional Antenna Make: BOG; Model: B16US ; Ref Az: 260.0  
 TV Volume 0; TX Volume 0; DA Volume 0  
 Tendered 071101 Last Updated manual Cutoff Date: Tier 0 TV  
 Studies for 071101XX will cover from Channel 14 to Channel 44

The following operations are considered in detail:

BMPCT980529KG WLPXTV CHARLESTON WV CHANNEL 29 OF CHARLESTON, INC.  
 Channel 29 Zero Offset CP N Lat 38 28 12 W Long 81 46 35  
 ERP: 5000.000 kW; RCAMSL: 1988.0 ft; HAAT: 368.0 ft; Maximum HAAT: 1309.0 ft  
 Directional Antenna Make: DIE; Model: ODD980529KG ; Ref Az: 0  
 Last Updated 981007  
 Distance from 071101XX is 234.0 kilometers

Interference Caused  
 Overall Conclusion

From Desired Operation ( BMPCT980529KG  
 071101XX does not cause interference  
 WLPXTV Ch 29) to Protected Contour:  
 to WLPXTV BMPCT980529KG. No problem.  
 Azimuth 15.4  
 Distance (km) 63.3  
 Summary: No problem.  
 ERP (kW) 283.080  
 HAAT (ft) 1120.3  
 Sig Level (dBu) 64.0

From undesired operation ( 071101XX  
 W25CI Ch 29) to Protected Contour:  
 Azimuth 209.8  
 Distance (km) 172.1  
 ERP (kW) 25.658  
 HAAT (ft) 480.0  
 Sig Level (dBu) 28.2

QRM Ratios (Desired-to-Undesired):

Required (dB) 28.0

Actual (dB) 35.8

Result: No Problem

BPCT960920WM NEW STATE COLLEGE PA HARRY J. & ANNA A. HAIN

Channel 29 Plus Offset APP N Lat 40 53 51 W Long 77 59 23

ERP: 5000.000 kW; RCAMSL: 2654.0 ft; HAAT: 336.0 ft; Maximum HAAT: 1640.0 ft

Directional Antenna Make: DIE; Model: ODD960920WM ; Ref Az: 0

Tendered 960920 Last Updated 961010 Cutoff Date:

REQUESTS A WAIVER OF FREEZE.

Distance from 071101XX is 227.7 kilometers

Interference Caused

Overall Conclusion

From Desired Operation ( BPCT960920WM

071101XX does not cause interference

NEW Ch 29) to Protected Contour:

to NEW BPCT960920WM. No problem.

Azimuth 225.8

Distance (km) 86.4

Summary: No problem.

ERP (kW) 4260.470

HAAT (ft) 1143.6

Sig Level (dBu) 64.0

From undesired operation ( 071101XX

W25CI Ch 29) to Protected Contour:

Azimuth 89.9

Distance (km) 158.7

ERP (Watts) 49.14

HAAT (ft) 406.1

Sig Level (dBu) 3.0

QRM Ratios (Desired-to-Undesired):

Required (dB) 45.0

Actual (dB) 61.0

Result: No Problem

BPCT960920IG NEW STATE COLLEGE PA PENNSYLVANIA TELECASTERS, INC.  
Channel 29 Plus Offset APP N Lat 40 50 29 W Long 78 08 09  
ERP: 2000.000 kW; RCAMSL: 3159.0 ft; HAAT: 454.0 ft; Maximum HAAT: 1864.0 ft  
Tendered 960920 Last Updated 961011 Cutoff Date:  
REQUESTS A WAIVER OF FREEZE.  
Distance from 071101XX is 214.3 kilometers

Interference Caused  
Overall Conclusion

From Desired Operation ( BPCT960920IG  
071101XX does not cause interference  
NEW Ch 29) to Protected Contour:  
to NEW BPCT960920IG. No problem.  
Azimuth 256.5  
Distance (km) 84.8  
Summary: No problem.  
ERP (kW) 2000.000  
HAAT (ft) 1379.0  
Sig Level (dBu) 64.0

From undesired operation ( 071101XX  
W25CI Ch 29) to Protected Contour:  
Azimuth 74.9  
Distance (km) 129.2  
ERP (Watts) 49.14  
HAAT (ft) 332.2  
Sig Level (dBu) 7.5

QRM Ratios (Desired-to-Undesired):  
Required (dB) 45.0  
Actual (dB) 56.5

Result: No Problem

BLTTL981230JB W29AV PITTSBURGH PA TURNPIKE TELEVISION

Channel 29 Plus Offset LIC N Lat 40 26 46 W Long 79 57 51  
ERP: 5.920 kW; RCAMSL: 1499.0 ft; Maximum HAAT: 716.0 ft  
Directional Antenna Make: ANT; Model: ACS4E ; Ref Az: 201  
Last Updated 990513  
Distance from 071101XX is 53.8 kilometers

Interference Caused  
Overall Conclusion

From Desired Operation ( BLTTL981230JB  
If W29AV BLTTL981230JB was granted with  
W29AV Ch 29) to Protected Contour:  
a condition requiring acceptance of  
Azimuth 250.7  
interference from 071101XX, it is ok.  
Distance (km) 14.9  
But without such a condition, 071101XX  
ERP (kW) 4.391  
is unacceptable for filing and should be  
HAAT (ft) 525.8  
returned. Look for condition on license or  
Sig Level (dBu) 74.0  
CP for W29AV BLTTL981230JB

From undesired operation ( 071101XX  
Summary: Return, or no problem,  
W25CI Ch 29) to Protected Contour:  
depending on whether there  
Azimuth 84.1  
is a condition.  
Distance (km) 39.2  
ERP (Watts) 49.14  
HAAT (ft) 403.2  
Sig Level (dBu) 35.1

QRM Ratios (Desired-to-Undesired):  
Required (dB) 45.0  
Actual (dB) 38.9

Result: Interference!!

BLTTL951211JB WBPA-LP PITTSBURGH PA CHANNEL 29 ASSOCIATES

Channel 29 Minus Offset LIC N Lat 40 29 40 W Long 80 01 08  
ERP: 8.470 kW; RCAMSL: 1611.0 ft; Maximum HAAT: 793.0 ft  
Directional Antenna Make: AND; Model: ODD890717IE ; Ref Az: 110  
Last Updated 980707  
TO CH. 67.  
Distance from 071101XX is 50.5 kilometers

Interference Caused  
Overall Conclusion

From Desired Operation ( BLTTL951211JB  
071101XX does not cause interference

WBPA-LP Ch 29) to Protected Contour:  
to BLTTL951211JB. No problem.

Azimuth 223.8  
Distance (km) 14.2

Summary: No problem.

ERP (kW) 2.226  
HAAT (ft) 681.4  
Sig Level (dBu) 74.0

From undesired operation ( 071101XX  
W25CI Ch 29) to Protected Contour:

Azimuth 84.0  
Distance (km) 38.8  
ERP (Watts) 49.14  
HAAT (ft) 402.2  
Sig Level (dBu) 35.3

QRM Ratios (Desired-to-Undesired):

Required (dB) 28.0  
Actual (dB) 38.7

Result: No Problem

BPTTL980601SU W50BF SHARON PA CORNERSTONE TELEVISION, INC.  
Channel 29 Zero Offset APP N Lat 41 14 17 W Long 80 25 50

ERP: 9.500 kW; RCAMSL: 1581.0 ft; Maximum HAAT: 648.0 ft  
 Tendered 980601 Last Updated 980626 Cutoff Date: 980601 Tier 0  
 FROM CH. 50.  
 Distance from 071101XX is 97.7 kilometers

Interference Caused		Interference Received	
Overall Conclusion			
From Desired Operation ( BPTTL980601SU W50BF Ch 29) to Protected Contour: interference from,		From Desired Operation (071101XX W25CI Ch 29) to Protected Contour: 071101XX does not cause interference to, nor receive	
Azimuth	197.9	Azimuth	317.8
BPTTL980601SU. No problem.			
Distance (km)	19.8	Distance (km)	17.6
ERP (kW)	9.500	ERP (kW)	11.739
HAAT (ft)	584.9	HAAT (ft)	430.4
Sig Level (dBu)	74.0	Sig Level (dBu)	74.0
From undesired operation ( 071101XX W25CI Ch 29) to Protected Contour:		From undesired operation ( BPTTL980601SU W50BF Ch 29) to Protected Contour:	
Azimuth	5.3	Azimuth	196.8
Distance (km)	78.3	Distance (km)	87.5
ERP (Watts)	49.14	ERP (kW)	9.500
HAAT (ft)	504.2	HAAT (ft)	587.1
Sig Level (dBu)	19.1	Sig Level (dBu)	40.7
QRM Ratios (Desired-to-Undesired):		QRM Ratios (Desired-to-Undesired):	
Required (dB)	28.0	Required (dB)	28.0
Actual (dB)	54.9	Actual (dB)	33.3
		Summary: No problem.	

Result: No Problem Result: No Problem

BLTTL900430KA WAOH-LP AKRON OH MEDIA-COM TELEVISION, INC.

Channel 29 Minus Offset LIC N Lat 41 06 28 W Long 81 21 19  
ERP: 60.600 kW; RCAMSL: 1522.0 ft; Maximum HAAT: 492.0 ft  
Directional Antenna Make: BOG; Model: B24US ; Ref Az: 270  
Last Updated 950829  
CALL SIGN CHANGED FROM W26AI  
Distance from 071101XX is 104.7 kilometers

Interference Caused  
Overall Conclusion

From Desired Operation ( BLTTL900430KA  
071101XX does not cause interference  
WAOH-LP Ch 29) to Protected Contour:  
to BLTTL900430KA. No problem.  
Azimuth 221.7  
Distance (km) 22.7  
Summary: No problem.  
ERP (kW) 31.764  
HAAT (ft) 423.3  
Sig Level (dBu) 74.0

From undesired operation ( 071101XX  
W25CI Ch 29) to Protected Contour:  
Azimuth 309.7  
Distance (km) 103.3  
ERP (kW) 26.454  
HAAT (ft) 355.0  
Sig Level (dBu) 40.1

QRM Ratios (Desired-to-Undesired):  
Required (dB) 28.0  
Actual (dB) 33.9

Result: No Problem

Summary of Results of Study of 071101XX

This study has not discovered any problems that warrant return of 071101XX

071101XX may cause unacceptable interference to the following licenses and permits. If the following were each granted with a condition requiring acceptance of interference from 071101XX, there is no problem. However, if they were granted without such a condition, then 071101XX is unacceptable and should be returned.

1. W29AV BLTTL981230JB PITTSBURGH PA Ch 29 LIC

319 records were considered in the range from Channel 14 to 44