

071201XX W32AX Altoona PA
LPONE Page 1
Channel 50 Plus Offset N Lat 40 29 15 W Long 78 12 09
ERP: 30.300 kW; RCAMSL: 2800.0 ft
It is 09:28:20 on 13-JUL-91
Directional Antenna Make: SWR; Model: SWLP16BF ; Ref Az: 265.0
TV Volume 0; TX Volume 0; DA Volume 0
Tendered 071201 Last Updated manual Cutoff Date: Tier 0 TV

Studies for 071201XX will cover from Channel 35 to Channel 65

The following operations are considered in detail:

BLCT850925KE WKBSTV ALTOONA PA CORNERSTONE TELEVISION, INC.
Channel 47 Zero Offset LIC N Lat 40 34 12 W Long 78 26 26
ERP: 1510.000 kW; RCAMSL: 2717.0 ft; HAAT: 308.0 ft; Maximum HAAT: 1536.0 ft
Last Updated 880303
Distance from 071201XX is 22.2 kilometers

Minimum Spacing Requirements
Overall Conclusion

Spacing between 071201XX and full
071201XX and full service TV station
service TV station WKBSTV BLCT850925KE:
WKBSTV BLCT850925KE are shortspaced.

Therefore, 071201XX is unacceptable
Required separation (km) 32
for filing and should be returned.
Actual separation (km) 22

Summary: Return 071201XX
Result: Shortspacing

BLCT880519KI WBDCTV WASHINGTON DC JASAS CORPORATION
Channel 50 Zero Offset LIC N Lat 38 57 44 W Long 77 01 36
ERP: 2450.000 kW; RCAMSL: 1020.0 ft; HAAT: 247.0 ft; Maximum HAAT: 989.0 ft
Last Updated 950911

Distance from 071201XX is 197.1 kilometers

Interference Caused
Overall Conclusion

From Desired Operation (BLCT880519KI
071201XX does not cause interference
WBDCTV Ch 50) to Protected Contour:
to WBDCTV BLCT880519KI. No problem.
Azimuth 309.7
Distance (km) 69.3
Summary: No problem.
ERP (kW) 2450.000
HAAT (ft) 725.2
Sig Level (dBu) 64.0

From undesired operation (071201XX
W32AX Ch 50) to Protected Contour:
Azimuth 159.1
Distance (km) 134.0
ERP (kW) 5.101
HAAT (ft) 1735.0
Sig Level (dBu) 36.0

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

Result: No Problem

BLTT890920IL W50BD MOOREFIELD WV VALLEY TV COOPERATIVE, INC.
Channel 50 No Offset LIC N Lat 38 58 57 W Long 78 54 31
ERP: 0.600 kW; RCAMSL: 3284.0 ft; Maximum HAAT: 2319.0 ft
Directional Antenna Make: SCA; Model: 4DR-16S ; Ref Az: 314
Last Updated 891109
Distance from 071201XX is 177.7 kilometers

Interference Caused
Overall Conclusion

From Desired Operation (BLTT890920IL
 If W50BD BLTT890920IL was granted with
 W50BD Ch 50) to Protected Contour:
 a condition requiring acceptance of
 Azimuth 349.6
 interference from 071201XX, it is ok.
 Distance (km) 14.8
 But without such a condition, 071201XX
 ERP (Watts) 327.08
 is unacceptable for filing and should be
 HAAT (ft) 2203.5
 returned. Look for condition on license or
 Sig Level (dBu) 74.0
 CP for W50BD BLTT890920IL

From undesired operation (071201XX
 Summary: Return, or no problem,
 W32AX Ch 50) to Protected Contour:
 depending on whether there
 Azimuth 202.6
 is a condition.
 Distance (km) 165.1
 ERP (kW) 29.728
 HAAT (ft) 1488.5
 Sig Level (dBu) 36.0

QRM Ratios (Desired-to-Undesired):
 Required (dB) 45.0
 Actual (dB) 38.0

Result: Interference!!

BPTTJD0415CN NEW-T LEWISBURG PA ROBERT N. VERDECCHIO

Channel 50 Minus Offset APP N Lat 40 56 32 W Long 76 49 07
 ERP: 25.500 kW; RCAMSL: 1535.0 ft; Maximum HAAT: 1045.0 ft
 Tendered 870415 Last Updated 940614 Cutoff Date: 940415 Tier 0
 Distance from 071201XX is 127.4 kilometers

Interference Caused		Interference Received	
Overall Conclusion			
From Desired Operation (BPTTJD0415CN interference		From Desired Operation (071201XX	071201XX does not cause
NEW-T Ch 50) to Protected Contour: interference from,		W32AX Ch 50) to Protected Contour:	to, nor receive
Azimuth	237.0	Azimuth	86.1
BPTTJD0415CN. No problem.		Distance (km)	23.2
Distance (km)	29.8	ERP (kW)	2.509
ERP (kW)	25.500	HAAT (ft)	1632.9
HAAT (ft)	896.9	Sig Level (dBu)	74.0
Sig Level (dBu)	74.0		
From undesired operation (071201XX		From undesired operation (BPTTJD0415CN	Summary: No problem.
W32AX Ch 50) to Protected Contour:		NEW-T Ch 50) to Protected Contour:	
Azimuth	69.1	Azimuth	242.7
Distance (km)	98.1	Distance (km)	105.8
ERP (kW)	1.671	ERP (kW)	25.500
HAAT (ft)	1645.9	HAAT (ft)	880.3
Sig Level (dBu)	39.2	Sig Level (dBu)	43.1
QRM Ratios (Desired-to-Undesired):		QRM Ratios (Desired-to-Undesired):	
Required (dB)	28.0	Required (dB)	28.0
Actual (dB)	34.8	Actual (dB)	30.9
Result:	No Problem	Result:	No Problem
BPTTL940415D9 NEW-T HARRISBURG		PA WIRELESS CABLE TV OF PENNSYLVANIA	

Channel 50 Minus Offset APP N Lat 40 22 39 W Long 77 02 02
 ERP: 0.730 kW; RCAMSL: 509.0 ft; Maximum HAAT: 105.0 ft
 Directional Antenna Make: ANT; Model: ACS4D ; Ref Az: 140
 Tendered 940415 Last Updated 940614 Cutoff Date: 940415 Tier 0
 RCAMSL AS SHOWN ON APPLICATION.
 Distance from 071201XX is 99.9 kilometers

Interference Caused		Interference Received	
Overall Conclusion			
From Desired Operation (BPTTL940415D9 NEW-T Ch 50) to Protected Contour: interference from,		From Desired Operation (071201XX 071201XX does not cause interference W32AX Ch 50) to Protected Contour: to, nor receive	
Azimuth	297.4	Azimuth	86.7
BPTTL940415D9. No problem.			
Distance (km)	2.1	Distance (km)	23.2
ERP (Watts)	41.15	ERP (kW)	2.490
HAAT (ft)	-210.6	HAAT (ft)	1639.4
Sig Level (dBu)	74.0	Sig Level (dBu)	74.0
From undesired operation (071201XX W32AX Ch 50) to Protected Contour:		From undesired operation (BPTTL940415D9 NEW-T Ch 50) to Protected Contour:	
Azimuth	96.2	Azimuth	280.4
Distance (km)	97.9	Distance (km)	77.1
ERP (kW)	2.088	ERP (Watts)	32.46
HAAT (ft)	1699.4	HAAT (ft)	-154.7
Sig Level (dBu)	40.5	Sig Level (dBu)	12.8
QRM Ratios (Desired-to-Undesired):		QRM Ratios (Desired-to-Undesired):	
Required (dB)	28.0	Required (dB)	28.0

Actual (dB) 33.5 Actual (dB) 61.2

Result: No Problem Result: No Problem

BLTTL911221JD W50BF SHARON PA CORNERSTONE TELEVISION, INC.
Channel 50 No Offset LIC N Lat 41 14 17 W Long 80 25 50
ERP: 9.080 kW; RCAMSL: 1578.0 ft; Maximum HAAT: 645.0 ft
Directional Antenna Make: SCA; Model: SL-8 ; Ref Az: 90
Last Updated 980626
TO CH. 29.
Distance from 071201XX is 205.5 kilometers

Interference Caused
Overall Conclusion

From Desired Operation (BLTTL911221JD
071201XX does not cause interference
W50BF Ch 50) to Protected Contour:
to BLTTL911221JD. No problem.
Azimuth 93.3
Distance (km) 15.0
Summary: No problem.
ERP (kW) 9.021
HAAT (ft) 374.7
Sig Level (dBu) 74.0

From undesired operation (071201XX
W32AX Ch 50) to Protected Contour:
Azimuth 296.3
Distance (km) 191.4
ERP (kW) 15.239
HAAT (ft) 1218.2
Sig Level (dBu) 27.2

QRM Ratios (Desired-to-Undesired):
Required (dB) 45.0
Actual (dB) 46.8

Result: No Problem

Summary of Results of Study of 071201XX

071201XX should be returned because:

1. It is shortspaced with full service TV operation:

BLCT850925KE WKBSTV ALTOONA PA Ch 47 LIC Zero Offset N Lat 40 34 12 W Long 78 26 26
(CORNERSTONE TELEVISION, INC. ERP: 1510.000 kW; RCAMSL: 2717.0 ft

071201XX may cause unacceptable interference to the following licenses and permits. If the following were each granted with a condition requiring acceptance of interference from 071201XX, there is no problem. However, if they were granted without such a condition, then 071201XX is unacceptable and should be returned.

1. W50BD BLTT890920IL MOOREFIELD WV Ch 50 LIC

301 records were considered in the range from Channel 35 to 65