

010901XX W44BS MEMPHIS TN
 LPONE Page 1
 Channel 44 Minus Offset N Lat 35 09 00 W Long 90 03 00
 ERP: 150.000 kW; RCAMSL: 731.4 ft
 It is 12:47:17 on 10-JAN-91
 Directional Antenna Make: PSI; Model: PSILP16BB ; Ref Az: 90.0
 TV Volume 0; TX Volume 0; DA Volume 0
 Tendered 010901 Last Updated manual Cutoff Date: Tier 0 TV
 Studies for 010901XX will cover from Channel 29 to Channel 59

The following operations are considered in detail:

BLCT890123KK WLMT MEMPHIS TN TV MARKETING GROUP OF MEMPHIS, INC.
 Channel 30 Zero Offset LIC N Lat 35 09 17 W Long 89 49 20
 ERP: 5000.000 kW; RCAMSL: 1309.0 ft; HAAT: 305.0 ft; Maximum HAAT: 1079.0 ft
 Directional Antenna Make: AND; Model: ODD890123KK ; Ref Az: 0
 Last Updated 980617
 TO CH. 53
 Distance from 010901XX is 20.8 kilometers

Interference Caused
 Overall Conclusion

From Desired Operation (BLCT890123KK
 010901XX causes interference to full
 WLMT Ch 30) to Protected Contour:
 service TV station WLMT BLCT890123KK.
 Azimuth 268.6
 Therefore, 010901XX is unacceptable
 Distance (km) 84.1
 for filing and should be returned.
 ERP (kW) 4470.271
 HAAT (ft) 1055.5
 Summary: Return 010901XX
 Sig Level (dBu) 64.0

Antenna site of undesired operation
 (010901XX W44BS Ch 44) is 20.8 kilometers from antenna site of desired operation; therefore, antenna site of undesired operation is within protected contour.

BPCT981119KF WLMT MEMPHIS TN TV MARKETING GROUP OF MEMPHIS, INC.
Channel 30 Zero Offset CP N Lat 35 16 33 W Long 89 46 38
ERP: 3020.000 kW; RCAMSL: 1388.0 ft; HAAT: 340.0 ft; Maximum HAAT: 1159.0 ft
Last Updated 990525
Distance from 010901XX is 28.5 kilometers

Interference Caused
Overall Conclusion

From Desired Operation (BPCT981119KF
010901XX causes interference to full
WLMT Ch 30) to Protected Contour:
service TV station WLMT BPCT981119KF.
Azimuth 240.6
Therefore, 010901XX is unacceptable
Distance (km) 81.6
for filing and should be returned.
ERP (kW) 3020.000
HAAT (ft) 1094.1
Summary: Return 010901XX
Sig Level (dBu) 64.0

Antenna site of undesired operation
(010901XX W44BS Ch 44) is 28.5 kilometers from antenna site of desired operation; therefore, antenna
site of undesired operation is within protected contour.

BPCT960126KH WDTLTV GREENVILLE MS DALLAS M. TARKENTON
Channel 44 Zero Offset CP N Lat 33 32 35 W Long 90 50 48
ERP: 1000.000 kW; RCAMSL: 591.0 ft; HAAT: 145.0 ft; Maximum HAAT: 492.0 ft
Last Updated 980527
Distance from 010901XX is 192.7 kilometers

Interference Caused
Overall Conclusion

From Desired Operation (BPCT960126KH
010901XX does not cause interference
WDTLTV Ch 44) to Protected Contour:
to WDTLTV BPCT960126KH. No problem.
Azimuth 22.0

Distance (km) 57.7
Summary: No problem.
ERP (kW) 1000.000
HAAT (ft) 463.9
Sig Level (dBu) 64.0

From undesired operation (010901XX
W44BS Ch 44) to Protected Contour:
Azimuth 202.5
Distance (km) 135.1
ERP (kW) 8.462
HAAT (ft) 489.9
Sig Level (dBu) 30.2

QRM Ratios (Desired-to-Undesired):
Required (dB) 28.0
Actual (dB) 33.8

Result: No Problem

Summary of Results of Study of 010901XX

010901XX should be returned because:

1. It causes objectionable interference to full service TV operation:
BLCT890123KK WLMT MEMPHIS TN Ch 30 LIC Zero Offset N Lat 35 09 17 W Long 89 49 20
(TV MARKETING GROUP OF MEMPHIS, INC. ERP: 5000.000 kW; RCAMSL: 1309.0 ft; Make: AND Model: ODD890123KK
Ref Az 0.0 (TO CH. 53)
2. It causes objectionable interference to full service TV operation:
BPCT981119KF WLMT MEMPHIS TN Ch 30 CP Zero Offset N Lat 35 16 33 W Long 89 46 38
(TV MARKETING GROUP OF MEMPHIS, INC. ERP: 3020.000 kW; RCAMSL: 1388.0 ft)

282 records were considered in the range from Channel 29 to 59