

033001XX W06AY Lebanon KY
LPONE Page 1
Channel 6 Minus Offset N Lat 37 43 11 W Long 85 15 11
ERP: 0.277 kW; RCAMSL: 870.0 ft
It is 16:04:26 on 31-MAR-91
Directional Antenna Make: ANT; Model: ACS4P4 ; Ref Az: 165.0
TV Volume 0; TX Volume 0; DA Volume 0
Tendered 000000 Last Updated manual Cutoff Date: Tier 0 TV

Studies for 033001XX will cover from Channel 5 to Channel 6

The following operations are considered in detail:

BLCT2416 WATETV KNOXVILLE TN WATE, G.P.

Channel 6 Zero Offset LIC N Lat 36 00 13 W Long 83 56 35
ERP: 100.000 kW; RCAMSL: 2503.0 ft; HAAT: 454.0 ft; Maximum HAAT: 1651.0 ft
Last Updated 990722
Distance from 033001XX is 223.4 kilometers

Interference Caused
Overall Conclusion

From Desired Operation (BLCT2416
033001XX does not cause interference
WATETV Ch 6) to Protected Contour:
to WATETV BLCT2416 . No problem.
Azimuth 329.0
Distance (km) 114.6
Summary: No problem.
ERP (kW) 100.000
HAAT (ft) 1430.6
Sig Level (dBu) 47.0

From undesired operation (033001XX
W06AY Ch 6) to Protected Contour:
Azimuth 148.2
Distance (km) 108.9
ERP (Watts) 42.13
HAAT (ft) 20.5
Sig Level (dBu) 10.5

QRM Ratios (Desired-to-Undesired):

Required (dB)	28.0
Actual (dB)	36.5

Result: No Problem

BLTVL900102IF W06BC MOUNT STERLING KY VEARL PENNINGTON

Channel 6 Minus Offset LIC N Lat 38 06 17 W Long 83 50 52

ERP: 0.018 kW; RCAMSL: 1129.0 ft; Maximum HAAT: 348.0 ft

Last Updated 900406

Distance from 033001XX is 130.8 kilometers

Interference Caused

Overall Conclusion

From Desired Operation (BLTVL900102IF
033001XX does not cause interference

W06BC Ch 6) to Protected Contour:
to BLTVL900102IF. No problem.

Azimuth 261.3

Distance (km) 4.6

Summary: No problem.

ERP (Watts) 18.00

HAAT (ft) 185.3

Sig Level (dBu) 62.0

From undesired operation (033001XX

W06AY Ch 6) to Protected Contour:

Azimuth 70.1

Distance (km) 126.3

ERP (Watts) 266.16

HAAT (ft) 93.6

Sig Level (dBu) 15.1

QRM Ratios (Desired-to-Undesired):

Required (dB)	45.0
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Actual (dB)	46.9
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Result: No Problem

Summary of Results of Study of 033001XX

This study has not discovered any problems that warrant return of 033001XX

45 records were considered in the range from Channel 5 to 6