

CH 6 TV Protection Study

The proposed minor modification of K202CG includes a change to CH 205. The CH 6 TV stations that are within the required study distance of 140 km for FM CH 205 are as follows:

W26CX CP 06Z T Dom Int 3.000 kW 223 M HAAT X N
Memphis TN 296.0 M COR AMSL
Lat= 35 12 34.0, Lng= 89 49 01.0
George S. Flinn, Jr. BDISTVL20080918ABE
Fac ID# 23848
Dist.=110.97 km, Azi=134.1°, Rev Azi=314.6°

Direct line HAAT Grade B, 62 dBu= 24.03 km & Grade A= 17.14 km

Distance from reference to Grade B = 86.95 km
Cutoff Dist from FM Translator= 140
Translator Interference Contour= 64 dBu
W26CX Signal Contour at Reference location = 21.7 dBu

KEMV LI 06- 2E Dom Int 100.000 kW 424 M HAAT
Mountain View AR 753.0 M COR AMSL
Lat= 35 48 47.0, Lng= 92 17 24.0
Arkansas Educational Televis BLET19800903KE
Fac ID# 2777
Dist.=144.55 km, Azi=266.3°, Rev Azi=85.4°

Direct line HAAT Grade B, 47 dBu= 110.81 km & Grade A= 60.33 km

Distance from reference to Grade B = 33.74 km
Cutoff Dist from FM Translator= 140
Translator Interference Contour= 64 dBu
KEMV Signal Contour at Reference location = 37.2 dBu

The FM Translator 64.0 dBu interference contour does not overlap the 62 dBu protected contour of W26CX or the 47 dBu protected contour of KEMV, therefore the proposed minor modification of K202CG is in full compliance with Section 74.1205 with regard to CH 6 TV protection.