

CH 6 TV Protection Study

The proposed minor modification of W213AM includes a change from CH 213 to CH 212. The below listed CH 6 TV stations are within the required study distance of 135 km for FM CH 212:

WNYZ-L CPM 06+ T Dom Int 3.000 kW 213 M HAAT X N
New York NY 213.0 M COR AMSL
Lat= 40 44 50.0, Lng= 73 56 38.0
Island Broadcasting Co. BMPTVL20070326AF
Fac ID# 56043
Dist.=82.34 km, Azi=179.8°, Rev Azi=359.8°

Direct line HAAT Grade B, 62 dBu= 28.38 km & Grade A= 20.71 km

Distance from reference to Grade B = 53.95 km

Cutoff Dist from FM Translator= 135

Translator Interference Contour= 74 dBu

WNYZ-L Signal Contour at Reference (W213AM) location = 35.8 dBu

WEDY-D CPM 06 1E Dom Int 0.400 kW 88 M HAAT THN
New Haven CT 130.7 M COR AMSL
Lat= 41 19 42.0, Lng= 72 54 25.0
Connecticut Public Broadcast BMPEDT20020305AA
Fac ID# 13595
Dist.=88.85 km, Azi=101.3°, Rev Azi=281.9°

Direct line HAAT Grade B, 47 dBu= 23.26 km & Grade A= 6.86 km

Distance from reference to Grade B = 65.59 km

Cutoff Dist from FM Translator= 135

Translator Interference Contour= 74 dBu

WEDY-D Signal Contour at Reference (W213AM) location = 16.1 dBu

WRGB LI 06Z 1C Dom Int 93.300 kW 311 M HAAT V
Schenectady NY 555.0 M COR AMSL
Lat= 42 38 12.0, Lng= 73 59 45.0
Freedom Broadcasting Of New BLCT2492
Fac ID# 73942
Dist.=127.58 km, Azi=358.2°, Rev Azi=178.2°

Direct line HAAT Grade B, 47 dBu= 96.11 km & Grade A= 48.62 km

Distance from reference to Grade B = 31.47 km

Cutoff Dist from FM Translator= 135

Translator Interference Contour= 74 dBu

WRGB Signal Contour at Reference (W213AM) location = 36.6 dBu

The FM Translator 74.0 dBu interference contour does not overlap the CH 6 TV 47 dBu protected contours of the CH 6 TV stations listed above, therefore the proposed minor modification of W213AM is in full compliance with Section 74.1205 with regard to CH 6 TV protection.