stations, and advise the mobile operators of these areas and their restrictions.

(iii) In order to protect certain TV/DTV stations and to ensure protection from these stations which may have extremely large contours due to unusual height situations, an additional distance factor must be used by all public safety base, control and mobile stations. For all co-channel and adjacent channel TV/DTV stations which have an HAAT between 350 and 600 meters, public safety stations must add the following DISTANCE FACTOR to the value obtained from the referenced Tables in §90.309 and to the distance for control and mobile stations on adjacent TV/DTV channels (96.5 km).

\[
\text{DISTANCE FACTOR} = \left(\frac{\text{TV/DTV HAAT} - 350}{14}\right) \text{ in kilometers, where HAAT is the TV or DTV station antenna height above average terrain obtained from its authorized or proposed facilities, whichever is greater.}
\]

(iv) For all co-channel and adjacent channel TV/DTV stations which have an antenna height above average terrain greater than 600 meters, public safety stations must add 18 kilometers as the DISTANCE FACTOR to the value obtained from the referenced Tables in §90.309 and to the distance for control and mobile stations on adjacent TV/DTV channels (96.5 km).

NOTE TO §90.545: The 88.5 km (55.0 mi) Grade B service contour (64 dB \(\mu\)V/m) is based on a hypothetical TV station operating at an effective radiated power of one megawatt, a transmitting antenna height above average terrain of 610 meters (2,000 feet) and the Commission’s R–6602 F(50,50) curves. See §73.699 of this chapter. Maximum facilities for TV stations operating in the UHF band are 5 megawatts effective radiated power at an antenna HAAT of 610 meters (2,000 feet). See §73.614 of this chapter. The equivalent contour for DTV stations is based on a 41 dB\(\mu\)V/m signal strength and the distance to the F(50,90) curve. See §73.625 of this chapter.


§ 90.548 Interoperability Technical Standards.

(a) Transmitters operating on those narrowband channels in the 769–775 and 799–805 MHz band designated for interoperability (see §90.531) shall conform to the following technical standards:


(2) Transmitters designed for data transmission shall include a 12.5 kHz bandwidth mode of operation conforming to the following standards, which are incorporated by reference: Project 25 Data Overview—New Technology Standards Project—Digital Radio Technical Standards, approved...