W followed by the channel number assigned to the station and two additional letters and a suffix consisting of the letter −D.

(c) *Digital low power television stations* and *Class A television stations*. Digital low power television and Class A television stations may be assigned a call sign with a four-letter prefix pursuant to §73.3550 of the Commission's rules. Digital low power stations with four-letter prefixes will be assigned the suffix −LD and digital Class A stations with four-letter prefixes will be assigned the suffix −CD.

[69 FR 69335, Nov. 29, 2004]

§ 74.792 Digital low power TV and TV translator station protected contour.

(a) A digital low power TV or TV translator will be protected from interference from other low power TV, TV translator, Class A TV or TV booster stations or digital low power TV, TV translator or Class A TV stations within the following predicted contours:

(1) 43 dBu for stations on Channels 2 through 6;

(2) 48 dBu for stations on Channels 7 through 13; and

(3) 51 dBu for stations on Channels 14 through 69.

(b) The digital low power TV or TV translator protected contour is calculated from the authorized effective radiated power and antenna height above average terrain, using the F(50,90) signal propagation method specified in §73.625(b)(1) of this chapter.

[69 FR 69335, Nov. 29, 2004]

§ 74.793 Digital low power TV and TV translator station protection of broadcast stations.

(a) An application to construct a new digital low power TV or TV translator station or change the facilities of an existing station will not be accepted if it fails to meet the interference protection requirements in this section.

(b) Except as provided in this section, interference prediction analysis is based on the interference thresholds (D/U signal strength ratios) and other criteria and methods specified in §73.623(c)(2) through (c)(4) of this chapter. Predictions of interference to co-channel DTV broadcast, digital Class A TV, digital LPTV and digital TV translator stations will be based on the interference thresholds specified therein for ''DTV-into-DTV.'' Predictions of interference to co-channel TV broadcast, Class A TV, LPTV and TV translator stations will be based on the interference threshold specified for ''DTV-into-analog TV.'' Predictions of interference to TV broadcast, Class A TV, LPTV and TV translator stations with the following channel relationships to a digital channel will be based on the threshold values specified for ''Other Adjacent Channels (Channels 14–69 only),'' where N is the analog channel: N–2, N + 2, N–3, N + 3, N–4, N + 4, N–7 , N + 7, N–8, N + 8, N + 14, and N + 15.

(c) The following D/U signal strength ratio (db) shall apply to the protection of stations on the first adjacent channel. The D/U ratios for ''Digital TV-into-analog TV'' shall apply to the protection of Class A TV, LPTV and TV translator stations. The D/U ratios for ''Digital TV-into-digital TV'' shall apply to the protection of DTV, digital Class A TV, digital LPTV and digital TV translator stations. The D/U ratios correspond to the digital LPTV or TV translator station's specified out-of-channel emission mask.

	Simple mask	Stringent mask	Full service mask
Digital TV-into-analog TV	10	0	Lower (−14)/Upper (−17)
Digital TV-into-digital TV	−7	−12	Lower (−28)/Upper (−26)

(d) For analysis of predicted interference from digital low power TV and TV translator stations, the relative field strength values of the antenna vertical radiation pattern if provided by the applicant will be used instead of the doubled values in Table 8 in OET Bulletin 69 up to a value of 1.0.

(e) Protection to the authorized facilities of DTV broadcast stations shall