

§ 73.6007 Power limitations.

An application to change the facilities of an existing Class A TV station will not be accepted if it requests an effective radiated power that exceeds the power limitation specified in § 74.735 of this chapter.

§ 73.6008 Distance computations.

The distance between two reference points must be calculated in accordance with § 73.208(c) of this part.

§ 73.6010 Class A TV station protected contour.

(a) A Class A TV station will be protected from interference within the following predicted signal contours:

(1) 62 dBu for stations on Channels 2 through 6;

(2) 68 dBu for stations on Channels 7 through 13; and

(3) 74 dBu for stations on Channels 14 through 51.

(b) The Class A TV station protected contour is calculated from the effective radiated power and antenna height above average terrain, using the F(50,50) charts of Figure 9, 10 or 10b of § 73.699 of this part.

(c) A digital Class A TV station will be protected from interference within the following predicted signal 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 51.

(d) The digital Class A TV station protected contour is calculated from the 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 part.

§ 73.6011 Protection of TV broadcast stations.

Class A TV stations must protect authorized TV broadcast stations, applications for minor changes in authorized TV broadcast stations filed on or before November 29, 1999, and applications for new TV broadcast stations that had been cut-off without competing applications or that were the winning bidder in a TV broadcast sta-

tion auction as of that date, or that were the proposed remaining applicant in a group of mutually-exclusive applications for which a settlement agreement was on file as of that date. Protection of these stations and applications must be based on the requirements specified in § 74.705 of this chapter. An application to change the facilities of an existing Class A TV station will not be accepted if it fails to protect these TV broadcast stations and applications pursuant to the requirements specified in § 74.705 of this chapter.

§ 73.6012 Protection of Class A TV, low power TV and TV translator stations.

An application to change the facilities of an existing Class A TV station will not be accepted if it fails to protect other authorized Class A TV, low power TV and TV translator stations and applications for changes in such stations filed prior to the date the Class A application is filed, pursuant to the requirements specified in § 74.707 of this chapter.

§ 73.6013 Protection of DTV stations.

Class A TV stations must protect the DTV service that would be provided by the facilities specified in the DTV Table of Allotments in § 73.622 of this part, by authorized DTV stations and by applications that propose to expand DTV stations' allotted or authorized coverage contour in any direction, if such applications either were filed before December 31, 1999 or were filed between December 31, 1999 and May 1, 2000 by a DTV station licensee or permittee that had notified the Commission of its intent to "maximize" by December 31, 1999. Protection of these allotments, stations and applications must be based on not causing predicted interference within the service area described in § 73.622(e) of this part. The interference analysis is based on the methods described in §§ 73.623(c)(2) through (c)(4) of this part, except that a Class A TV station must not cause a loss of service to 0.5 percent or more of the population predicted to receive service from the DTV allotment, station or application. An application to change the facilities of an existing

§ 73.6014

Class A TV station will not be accepted if it fails to protect these DTV allotments, stations and applications in accordance with this section.

§ 73.6014 Protection of digital Class A TV stations.

An application to change the facilities of an existing Class A TV station will not be accepted if it fails to protect authorized digital Class A TV stations and applications for changes in such stations filed prior to the date the Class A application is filed, pursuant to the requirements specified in § 74.706 of this chapter.

§ 73.6016 Digital Class A TV station protection of TV broadcast stations.

Digital Class A TV stations must protect authorized TV broadcast stations, applications for minor changes in authorized TV broadcast stations filed on or before November 29, 1999, and applications for new TV broadcast stations that had been cut-off without competing applications or that were the winning bidder in a TV broadcast station auction as of that date, or that were the proposed remaining applicant in a group of mutually-exclusive applications for which a settlement agreement was on file as of that date. This protection must be based on meeting the D/U ratios for "DTV-into-analog TV" specified in § 73.623(c)(2) of this part at the Grade B contour of the TV broadcast station or application. An application for DTV operation of an existing Class A TV station or to change the facilities of a digital Class A TV station will not be accepted if it fails to protect these TV broadcast stations and applications pursuant to these requirements.

§ 73.6017 Digital Class A TV station protection of Class A TV, low power TV, and TV translator stations.

An application for digital operation of an existing Class A TV station or to change the facilities of a digital Class A TV station will not be accepted if it fails to meet the D/U ratios for "DTV-into-analog TV" specified in § 73.623(c)(2) of this part at the protected contours as defined in § 73.6010 of this part for other authorized Class A TV stations and § 74.707 of this chapter

47 CFR Ch. I (10-1-03 Edition)

for low power TV and TV translator stations. This protection also must be afforded to applications for changes in other authorized Class A TV, low power TV and TV translator stations filed prior to the date the digital Class A application is filed.

§ 73.6018 Digital Class A TV station protection of DTV stations.

Digital Class A TV stations must protect the DTV service that would be provided by the facilities specified in the DTV Table of Allotments in § 73.622 of this part, by authorized DTV stations and by applications that propose to expand DTV stations' allotted or authorized coverage contour in any direction, if such applications either were filed before December 31, 1999 or were filed between December 31, 1999 and May 1, 2000 by a DTV station licensee or permittee that had notified the Commission of its intent to "maximize" by December 31, 1999. Protection of these allotments, stations and applications must be based on not causing predicted interference within the service area described in § 73.622(e) of this part. The interference analysis is based on the methods described in §§ 73.623(c)(2) through (c)(4) of this part, except that a digital Class A TV station must not cause a loss of service to 0.5 percent or more of the population predicted to receive service from the DTV allotment, station or application. An application for digital operation of an existing Class A TV station or to change the facilities of a digital Class A TV station will not be accepted if it fails to protect these DTV allotments, stations and applications in accordance with this section.

§ 73.6019 Digital Class A TV station protection of digital Class A TV stations.

An application for digital operation of an existing Class A TV station or to change the facilities of a digital Class A TV station will not be accepted if it fails to meet the D/U ratios for "DTV-into-DTV" specified in § 73.623(c)(2) through (c)(4) of this part at the protected contours as defined in § 73.6010 of this part for other authorized Class A TV stations and applications for