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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

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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

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changes filed prior to the date the digital Class A application is filed.

§ 73.6020 Protection of stations in the land mobile radio service.

An application to change the facilities of an existing Class A TV station will not be accepted if it fails to protect stations in the land mobile radio service pursuant to the requirements specified in § 74.709 of this chapter. In addition to the protection requirements specified in § 74.709(a) of this chapter, Class A TV stations must not cause interference to land mobile stations operating on channel 16 in New York, NY.

§ 73.6022 Negotiated interference and relocation agreements.

(a) Notwithstanding the technical criteria in this subpart, Subpart E of this part, and Subpart G of part 74 of this chapter regarding interference protection to and from Class A TV stations, Class A TV stations may negotiate agreements with parties of authorized and proposed analog TV, DTV, LPTV, TV translator, Class A TV stations or other affected parties to resolve interference concerns; *provided*, however, other relevant requirements are met with respect to the parties to the agreement. A written and signed agreement must be submitted with each application or other request for action by the Commission. Negotiated agreements under this paragraph can include the exchange of money or other considerations from one entity to another. Applications submitted pursuant to the provisions of this paragraph will be granted only if the Commission finds that such action is consistent with the public interest.

(b) A Class A TV station displaced in channel by a channel allotment change for a DTV station may seek to exchange channels with the DTV station, provided both parties consent in writing to the change and that the Class A station meets all applicable interference protection requirements on the new channel. Such requests will be treated on a case-by-case basis and, if approved, will not subject the Class A station to the filing of competing applications for the exchanged channel.

§ 73.6024 Transmission standards and system requirements.

(a) A Class A TV station must meet the requirements of §§ 73.682 and 73.687, except as provided in paragraph (b) of this section.

(b) A Class A TV station may continue to operate with the transmitter operated under its previous LPTV license, provided such operation does not cause any condition of uncorrectable interference due to radiation of radio frequency energy outside of the assigned channel. Such operation must continue to meet the requirements of §§ 74.736 and 74.750 of this chapter.

(c) A Class A TV station must meet the offset carrier frequency and frequency tolerance provisions of § 73.1545 of this part.

[65 FR 30009, May 10, 2000, as amended at 66 FR 21690, May 1, 2001]

§ 73.6025 Antenna system and station location.

(a) Applications for modified Class A TV facilities proposing the use of directional antenna systems must be accompanied by the following:

(1) Complete description of the proposed antenna system, including the manufacturer and model number of the proposed directional antenna. In the case of a composite antenna composed of two or more individual antennas, the antenna should be described as a "composite" antenna. A full description of the design of the antenna should also be submitted.

(2) Relative field horizontal plane pattern (horizontal polarization only) of the proposed directional antenna. A value of 1.0 should be used for the maximum radiation. The plot of the pattern should be oriented so that 0 degrees (True North) corresponds to the maximum radiation of the directional antenna or, alternatively in the case of a symmetrical pattern, the line of symmetry. Where mechanical beam tilt is intended, the amount of tilt in degrees of the antenna vertical axis and the orientation of the downward tilt with respect to true North must be specified, and the horizontal plane pattern must reflect the use of mechanical beam tilt.

(3) A tabulation of the relative field pattern required in paragraph (a)(2), of