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

[69 FR 69330, Nov. 29, 2004]

### § 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, 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 meeting the requirements of § 74.793 (b) through (e) of this chapter. 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.

[69 FR 69330, Nov. 29, 2004]

### § 73.6019 Digital Class A TV station protection of low power TV, TV translator, digital low power TV and digital 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 protect authorized low power TV, TV translator, digital low power TV and digital TV translator stations in accordance with the requirements of § 74.793 (b) through (d) and (h) of this chapter. This protection must be afforded to applications for changes filed prior to the date the digital Class A station is filed.

[69 FR 69331, Nov. 29, 2004]

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

An application for digital operation of an existing Class A TV station or to change the facilities of an existing Class A TV or digital 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 and digital Class A TV stations must not cause interference to land mobile stations operating on channel 16 in New York, NY.

[69 FR 69331, Nov. 29, 2004]

### § 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.

### § 73.6023 Distributed transmission systems.

Station licensees may operate a commonly owned group of digital Class A stations with contiguous predicted DTV noise-limited contours (pursuant

to §73.622(e)) on a common television channel in a distributed transmission system.

[73 FR 74064, Dec. 5, 2008]

### § 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.

(d) A digital Class A station must meet the emission requirements of §74.794 of this chapter.

[65 FR 30009, May 10, 2000, as amended at 66 FR 21690, May 1, 2001; 69 FR 69331, Nov. 29, 2004]

### § 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 this section. The tabulation should use the same zero degree reference as the plotted pattern, and be tabulated at least every 10 degrees. In addition, tabulated values of all maxima and minima, with their corresponding azimuths, should be submitted.

(4) Horizontal and vertical plane radiation patterns showing the effective radiated power, in dBk, for each direction. Sufficient vertical plane patterns must be included to indicate clearly the radiation characteristics of the antenna above and below the horizontal plane. In cases where the angles at which the maximum vertical radiation varies with azimuth, a separate vertical radiation pattern must be provided for each pertinent radial direction.

(5) The horizontal and vertical plane patterns that are required are the patterns for the complete directional antenna system. In the case of a composite antenna composed of two or more individual antennas, this means that the patterns for the composite antenna, not the patterns for each of the individual antennas, must be submitted.

(b) Applications for modified Class A TV facilities proposing to locate antennas within 61.0 meters (200 feet) of other Class A TV or TV broadcast antennas operating on a channel within 20 percent in frequency of the proposed channel, or proposing the use of antennas on Channels 5 or 6 within 61.0 meters (200 feet) of FM broadcast antennas, must include a showing as to the expected effect, if any, of such proximate operation.

(c) Where a Class A TV licensee or permittee proposes to mount an antenna on an AM antenna tower, or locate within 3.2 km of an AM directional station, the TV licensee or permittee must comply with Sec. 73.1692.