

§ 73.6023

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.

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(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