

**§ 73.6026**

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 its antenna on or near an AM tower, as defined in §1.30002, the Class A TV licensee or permittee must comply with §1.30003 or §1.30002.

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(d) Class A TV stations are subject to the provisions in § 73.685(d) regarding blanketing interference.

[65 FR 30009, May 10, 2000, as amended at 78 FR 66298, Nov. 5, 2013]

**§ 73.6026 Broadcast regulations applicable to Class A television stations.**

The following rules are applicable to Class A television stations:

- § 73.603 Numerical designation of television channels.
- § 73.624(b), (c) and (g) Digital television broadcast stations. Section 73.624(b) will apply only to the extent that such stations must also transmit at least one over-the-air video program signal at no direct charge to viewers of the digital Class A station
- § 73.635 Use of common antenna site.
- § 73.642 Subscription TV service.
- § 73.643 Subscription TV operating requirements.
- § 73.644 Subscription TV transmission systems.
- § 73.646 Telecommunications Service on the Vertical Blanking Interval and in the Visual Signal.
- § 73.653 Operation of TV aural and visual transmitters.
- § 73.658 Affiliation agreements and network program practice; territorial exclusivity in non-network program arrangements.
- § 73.664 Determining operating power.
- § 73.665 Use of TV aural baseband subcarriers.
- § 73.667 TV subsidiary communications services.
- § 73.669 TV stereophonic aural and multiplex subcarrier operation.
- § 73.670 Commercial limits in children’s programs.
- § 73.671 Educational and informational programming for children.
- § 73.673 Public information initiatives regarding educational and informational programming for children.
- § 73.688 Indicating instruments.
- § 73.691 Visual modulation monitoring.
- § 73.3615(a) and (g) Ownership reports.

[66 FR 21690, May 1, 2001, as amended at 74 FR 25168, May 27, 2009]

**§ 73.6027 Class A TV notifications concerning interference to radio astronomy, research and receiving installations.**

An applicant for digital operation of an existing Class A TV station or to change the facilities of an existing