§ 76.602 Incorporation by reference.

(a) The materials listed in this section are incorporated by reference in this part. These incorporations by reference were approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. These materials are incorporated as they exist on the date of the approval, and notice of any change in these materials will be published in the Federal Register. The materials are available for inspection at the Federal Communications Commission, 445 12th St. SW., Reference Information Center, Room CY-A257, Washington, DC 20554 and at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

(b) The following materials are available from Advanced Television Systems Committee (ATSC), 1776 K Street NW., 8th Floor, Washington, DC 20006; phone: 202–872–9160; or online at http://www.atsc.org/standards.html.


(c) The following materials are available from Consumer Electronics Association (CEA), 1919 S. Eads St., Arlington, VA 22202; phone: 800–558–1555; or online at http://www.ce.org/standards.


   (2) CEA–931–A, “Remote Control Command Pass-through Standard for
Federal Communications Commission § 76.605

Home Networking,” 2003, IBR approved for §76.640.

(d) The following materials are available from Society of Cable Telecommunications Engineers (SCTE), 140 Phillips Road Exton, PA 19341–1318; phone: 800–542–5040; or online at http://www.scte.org/standards/Standards Available.aspx.


(e) Some standards listed above are also available for purchase from the following sources:

(1) American National Standards Institute (ANSI), 25 West 43rd Street, 4th Floor, New York, NY 10036; phone: 212–642–4980; or online at http://webstore.ansi.org/.


[77 FR 40300, July 9, 2012]

Effective Date Note: At 79 FR 51113, Aug. 27, 2014, §76.602 was amended in paragraph (b)(2) by removing “ATSC A/85:2011” and adding in its place “ATSC A/85:2013”, and by removing the date “July 25, 2011” and adding in its place “March 12, 2013”, effective June 4, 2015.

§ 76.605 Technical standards.

(a) The following requirements apply to the performance of a cable television system as measured at any subscriber terminal with a matched impedance at the termination point or at the output of the modulating or processing equipment (generally the headend) of the cable television system or otherwise as noted. The requirements are applicable to each NTSC or similar video downstream cable television channel in the system:

(1)(i) The cable television channels delivered to the subscriber’s terminal shall be capable of being received and displayed by TV broadcast receivers used for off-the-air reception of TV broadcast signals, as authorized under part 73 of this chapter; and

(ii) Cable television systems shall transmit signals to subscriber premises equipment on frequencies in accordance with the channel allocation plan set forth in CEA–542–B: “Standard: Cable Television Channel Identification Plan,” (Incorporated by reference, see §76.602).

(2) The aural center frequency of the aural carrier must be 4.5 MHz ± 5 kHz above the frequency of the visual carrier at the output of the modulating or processing equipment of a cable television system, and at the subscriber terminal.

(3) The visual signal level, across a terminating impedance which correctly matches the internal impedance of the cable system as viewed from the subscriber terminal, shall not be less than 1 millivolt across an internal impedance of 75 ohms (0 dBmV). Additionally, as measured at the end of a 30 meter (100 foot) cable drop that is connected to the subscriber tap, it shall not be less than 1.41 millivolts across an internal impedance of 75 ohms (+3 dBmV). (At other impedance values, the minimum visual signal level, as viewed from the subscriber terminal, shall be the square root of 0.0133 (Z) millivolts and, as measured at the end of a 30 meter (100 foot) cable drop that is connected to the subscriber tap, shall be 2 times the square root of 0.00662(Z) millivolts, where Z is the appropriate impedance value.)

(4) The visual signal level on each channel, as measured at the end of a 30 meter cable drop that is connected to the subscriber tap, shall not vary more than 8 decibels within any six-month interval, which must include four tests.