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>
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>
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A Stable document is "In Force", and not deprecated or withdrawn.

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Reaffirmed 2009

REAFFIRMED 2008

SMPTE RECOMMENDED PRACTICE

RP 67-2002
Revision of RP 67-1997

Specifications for Buzz-Track Test Film for 16-mm Motion-Picture Audio Reproducers, Photographic Type

1 Scope

This practice specifies a test film for checking the lateral position of the sound scanning beam in 16-mm motion-picture photographic audio reproducers.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this practice. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this practice are encouraged to investigate the possibility of applying the most recent edition of the standards indicated below.

ANSI/SMPTE 109-1998, Motion-Picture Film (16-mm) — Perforated 1R and 2R

SMPTE 223M-2001, Motion-Picture Film — Safety Film

3 Test film

3.1 The test film shall have originally recorded 300-Hz and 1000-Hz signal tracks on opposite sides of the central exposed strip as shown in figure 1.

3.2 The position of the tracks shall be in accordance with the dimensions given in table 1.

3.3 The central exposed strip and the exposed portions of the two signal tracks shall have a density of 1.0 + 0.4 – 0.0.

4 Film stock

4.1 The film stock, preferably polyester, shall be splice-free, of the low- shrinkage, safety type in compliance with SMPTE 223M, and cut and perforated in accordance with long-pitch dimensions specified in ANSI/SMPTE 109.

4.2 Triacetate film stock shall be cut and perforated in accordance with short-pitch dimensions specified in ANSI/SMPTE 109. The stock shall have a maximum lengthwise shrinkage of 0.50% when tested as follows: At least 20 strips of film approximately 31 inches in length shall be cut for measurement of shrinkage. After normal development and drying (not over 80°F [27°C]), the strips shall be placed at least ¼ in apart in racks and kept for seven days in an oven maintained at 120°F (49°C) and a relative humidity of 20%. The strips shall then be removed, reconditioned thoroughly to 50% relative humidity at 70°F (21°C), and the shrinkage measured by a suitable method. The percent shrinkage shall then be calculated on the basis of deviation from the nominal dimension for the length of 100 consecutive perforation intervals given in ANSI/SMPTE 109.

Approved July 26, 2002

5 Identification

Each test film shall be identified by a suitable identification marking. This marking shall be printed lengthwise in the picture area and the spacing between consecutive titles shall be approximately 12 in (30 cm).

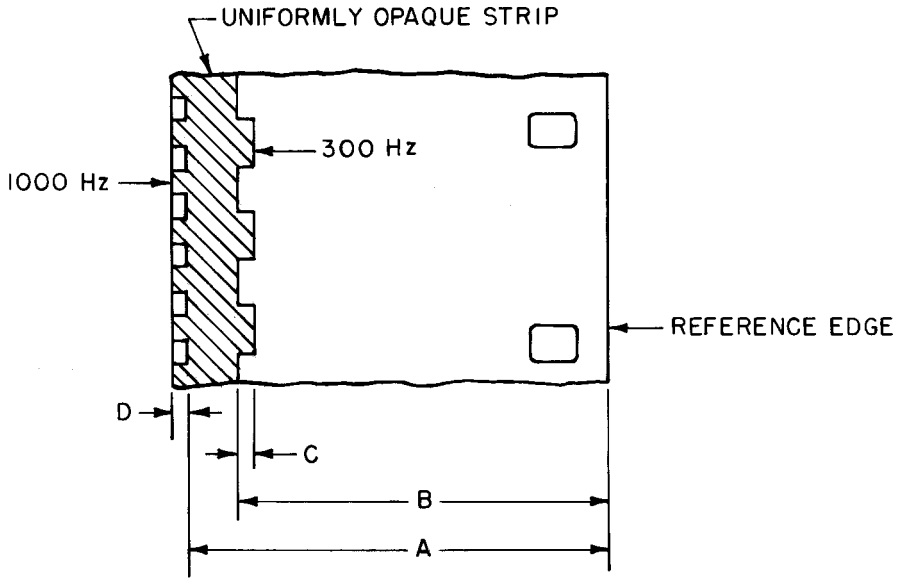

Figure 1 – Buzz-track positions

Table 1 – Dimensions

Dimensions	Inches	Millimeters
A	0.6060 + 0.0 – 0.0005	15.392 + 0.0 – 0.013
B	0.5340 + 0.0005 – 0.0	13.564 + 0.013 – 0.0
C	0.022 min	0.56 min
D	0.022 min	0.56 min