



DIGITAL THEATER SYSTEMS

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DTS Technical Bulletin:

RE: High Magenta Dye Tracks
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TO: Film Laboratories printing Dye Tracks

This notice is intended for film laboratories using the new High Magenta process.

As most of you know, the DTS timecode track lies between the optical sound track and the picture (298.6 mils from reference film edge). In this area the "application" tends to weave in and out. The DTS reader head uses a red (660nm) LED to read the DTS timecode.

The "Dye Sound Tracks: a Laboratory Guide" by Kodak recommends a print density aim of 2.0 or greater for red, when printing using gelatin filters. This is, of course, is measured in the "applicated" area of the optical sound track.

In addition, DTS timecode requires a print density aim of 0.6 or greater for red measured "un-applicated", as the DTS timecode may be "un-applicated" or only partially "applicated". This density will insure an adequate signal for the DTS players to read the DTS timecode. DTS recommends that samples of release prints be periodically re-developed and checked for this specification.

If you have any questions, please contact me (e-mail address above). Additional information can be found at Kodak's web page listed below.
<http://www.kodak.com/US/en/motion/support/sound/index.shtml>