Plasma display panels –
Part 2-6: Measuring methods – APL dependent gamma and colour characteristics
CONTENTS

FOREWORD ......................................................................................................................... 4

1 Scope .............................................................................................................................. 6

2 Normative references ...................................................................................................... 6

3 Terms, definitions and abbreviations .............................................................................. 6

3.1 Terms and definitions ................................................................................................ 6

3.2 Abbreviations ............................................................................................................ 7

4 Measurement equipment ............................................................................................... 7

4.1 Video signal generator .............................................................................................. 7

4.2 Non-contact LMD (light measurement device) ......................................................... 7

4.3 Contact LMD ............................................................................................................. 7

5 Measurement conditions ............................................................................................... 7

5.1 General ...................................................................................................................... 7

5.2 Setup conditions ........................................................................................................ 7

5.3 Measuring layout ....................................................................................................... 8

5.4 Input signal level and picture level ............................................................................ 9

6 Measuring methods of tone characteristics .................................................................. 10

6.1 Purpose .................................................................................................................... 10

6.2 Input signals .............................................................................................................. 11

6.2.1 General .............................................................................................................. 11

6.2.2 11-step grey bar with fixed APL ...................................................................... 11

6.2.3 Single grey window with fixed APL ............................................................... 12

6.2.4 11-step RGB bar and single colour window with fixed APL ......................... 13

6.3 Measuring procedure ............................................................................................... 14

6.4 Expression of results ............................................................................................... 15

6.4.1 Measurement report ....................................................................................... 15

6.4.2 Gamma calculation .......................................................................................... 16

7 Measuring methods of colour gamut by APL ................................................................. 19

7.1 Purpose .................................................................................................................... 19

7.2 Primary and secondary colour patterns by APL ...................................................... 19

7.3 Measuring procedure ............................................................................................... 19

7.4 Evaluation of colour accuracy .................................................................................. 20

7.5 Evaluation of colour gamut ..................................................................................... 20

7.6 Expression of results ............................................................................................... 21

Annex A (informative) Use of ITU-R Rec. BT.709-5 signal ............................................. 25

Bibliography .................................................................................................................... 26

Figure 1 – Measuring layout for non-contact measurement ............................................. 8

Figure 2 – Measuring layout for contact measurement .................................................... 9

Figure 3 – Input signals and signal processing in a PDP module .................................... 10

Figure 4 – An example of an 11-step grey-bar pattern .................................................... 12

Figure 5 – Example of 4 % window pattern for measuring the tone characteristics ........ 12

Figure 6 – RGB bar and single window pattern ............................................................. 13

Figure 7 – An example of results of gamma characteristics for each APL ....................... 15

Figure 8 – Example plots for calculated gamma values by APL ..................................... 17
Figure 9 – Example plots for CCT characteristics by APL ..................................................... 18
Figure 10 – Example plots for Δu’v’ characteristics by APL .................................................. 18
Figure 11 – 4 % C, M, and Y single window pattern .................................................................. 19
Figure 12 – ITU-R Rec. BT.709-5 standard coordinates of primary and secondary colours ................................................................. 20
Figure 13 – Example showing a measured primary, a reference, and an overlapped gamut area ........................................................................................................................................... 21
Figure 14 – The measured colour gamut plots by APL ............................................................... 24

Table 1 – An example of a tone measurement report ................................................................ 15
Table 2 – Example of gamma reporting form (for each APL) .................................................. 17
Table 3 – An example of gamut areas for evaluation of colour gamut ...................................... 21
Table 4 – An example of primary and secondary colour measurement report .......................... 22
Table A.1 – Digital data and signal level in ITU-R Rec. BT.709-5 .............................................. 25
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The text of this standard is based on the following documents:

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<th>Report on voting</th>
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<tbody>
<tr>
<td>110/636/FDIS</td>
<td>110/652/RVD</td>
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Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.
A list of all the parts in the IEC 61988 series, under the general title *Plasma display panels*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

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A bilingual version of this publication may be issued at a later date.

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PLASMA DISPLAY PANELS –
Part 2-6: Measuring methods –
APL dependent gamma and colour characteristics

1 Scope

This part of IEC 61988 defines the measuring methods for gamma and colour gamut characteristics as a function of the APL for a PDP module (plasma display module). Generally, the luminance level of a PDP module is dependent on the APL (average picture level) of input images. Varying the input levels causes a change of the chromaticity of RGB primary colours. This standard also defines the measuring methods of tone characteristics and chromaticity characteristics with varying APLs. This standard is based on the assumption that the inverse-gamma circuit is inside the module.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60068-1, Environmental testing – Part 1: General and guidance
IEC 60107-1, Methods of measurement on receivers for television broadcast transmissions – Part 1: General considerations – Measurements at radio and video frequencies
IEC 61966-5, Multimedia system and equipment – Colour measurement and management – Part 5: Equipment using plasma display panels
IEC 61988-1, Plasma display panels – Part 1: Terminology and letter symbols
IEC 61988-2-1, Plasma display panels – Part 2-1: Measuring methods – Optical and optoelectrical
CIE 15:2004, Colorimetry
ITU-R Rec. BT.709-5, Parameter values for the HDTV standards for production and international programme exchange