

Visual/post processing performance Tests

1.1.43.3.

Test	Subclause	Test Equipment
Overall Image Quality	8.2.2	Test Image TG18-OIQ
Display of a series as a single images in split screen mode	8.2.3	Test Image TG18-MP
Luminance Uniformity	8.2.4	Test Image TG18-UN80
Colour Impression and Uniformity	8.2.5	Test Image TG18-UN80
Digital rotation mirror left/right; up/down	8.2.6	Test Image TG18-UN10 and Test Image TG18-UN80
Image Geometry	8.2.7	Test Image TG18-OIQ
Clinical Reference Images with zoom during Cine clip review	8.2.8	Test Image TG18-MP

1.1.43.3.

1.1.43.4.

1.1.43.7.

Metrological Tests

Test	Subclause	Test Equipment
Minimum Luminance	8.3.1	Luminance meter Test Image TG18-LN8-01 Distance measurement
Maximum Luminance	8.3.2	Luminance meter Test Image TG18-LN8-18 Distance measurement
Veiling Glare	8.3.3	Luminance meter IMAGE DISPLAY switched off Distance measurement
Illuminance	8.3.4	Illuminance meter IMAGE DISPLAY switched off Measured in screen centre, orthogonal to screen surface
Uniformity of the Image Display Device	8.3.6	Luminance meter Test Image TG18-UN80 (or Background DDL 204) Test Image TG18-UN10 (or Background DDL 26) Surface-mounted measurement
Uniformity of multiple Image Display Device	8.3.7	Luminance meter Test Image TG18-UN10 (or Background DDL 26) Surface-mounted measurement
Luminance Response	8.3.8	Luminance meter 18 Test Images: TG18-LN-01 through TG18-LN8-18 Surface-mounted measurement

Pre conditions

1. It is recommended to perform metrological tests detailed in section chapter *Illuminance* (Section 8.3.4 of DIN6868-157) on page 90, chapter *Veiling Glare* (Section 8.3.3 of DIN6868-157) on page 91, chapter *Minimum Luminance* (Section 8.3.1 of DIN6868-157) on page 92, chapter *Maximum Luminance* (Section 8.3.2 of DIN6868-157) on page 93, chapter *Maximum Luminance Ratio* (Section 8.3.5 of DIN6868-157) on page 94 first (in the same sequence) followed by remaining metrological tests and then 8 visual tests.