

Visual/post processing performance Tests

| Test | Subclause | Test Equipment |
|---|-----------|---|
| Overall Image Quality | 8.2.2 | Test Image TG18-OIQ |
| 1.1.43.3. 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 |
| 1.1.43.3. Clinical Reference Images with zoom 1.1.43.4. during Cine clip review 1.1.43.7. | 8.2.8 | Test Image TG18-MP |

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.