PHILIPS

# 保守点検報告書

## 2021年 第1回 保証期間内点検

| | |
|---|---|
| 顧客名 | 長崎大学病院 |
| 装置名 | Azurion7B12 |
| 設置場所 | 血管造影室31室 |
| 点検実施日 | 2021年8月23日 |
| Case番号 | 0118005845 |

**株式会社フィリップス・ジャパン**

PHILIPS

Ship To:
長崎大学病院
坂本1-7-1
長崎市
Japan

# Test and Verification Report

Work Order: WO-04054582

WORK DETAILS

Engineer Name: TAKATOMO SAKAI
Device Status: Pass
Event Type: Predictive / Preventative Maintenance
Service Activity: Visit 1

EQUIPMENT DETAILS

Product Name: Azurion 7 B12
Product Number: 722225
Serial Number: 18
Installed Product: 88127912
UDI: (01)00884838099265(21)18

| | Min | Max | UoM | Measurement | Result | Comments |
|---|---|---|---|---|---|---|
| **On-site preparations** | | | | | | |
| **Preparing on-site for Planned Maintenance** | | | | | | |
| Schedule a patient | | | | | PASS | |
| Check emergency stop | | | | | PASS | |
| Check safety of system | | | | | PASS | |
| Check system | | | | | PASS | |
| **Image Chain + X-ray Safety** | | | | | | |
| **Image chain Frontal channel** | | | | | | |
| Adjusting the generator | | | | | PASS | |
| Calibrate the flat detector | | | | | PASS | |
| Check Dose Test and Fastdose Calibration | | | | | PASS | |
| Check Energy and Signal Flow 1 | | | | | PASS | |
| Check Energy and Signal Flow 2 | | | | | PASS | |
| Check EDL Expected Tube Power Verification | | | | | PASS | |
| **X-ray safety: Air Kerma rate Verification (frontal)** | | | | | | |
| Dose Rate Fluoroscopy Mode I | | | µGy/s | 370 | | |
| Local limit value: Fluoroscopy Mode I | | | | | 833 µGy/s | |
| Dose Rate Fluoroscopy Mode I within local limit | | | | | PASS | |
| Dose Rate Fluoroscopy Mode II | | | µGy/s | 737 | | |
| Local limit value: Fluoroscopy Mode II | | | | | 833 µGy/s | |
| Dose Rate Fluoroscopy Mode II within local limit | | | | | PASS | |
| Dose Rate Fluoroscopy Mode III | | | µGy/s | 1855 | | |

| | Min | Max | UoM | Measurement | Result | Comments |
|---|---|---|---|---|---|---|
| **Image Chain + X-ray Safety** | | | | | | |
| **X-ray safety: Air Kerma rate Verification (frontal)** | | | | | | |
| Local limit value: Fluoroscopy Mode III | | | | 2083 µGy/s | | |
| Dose Rate Fluoroscopy Mode III within local limit | | | | | PASS | |
| **Image chain Lateral channel** | | | | | | |
| Adjusting the generator | | | | | PASS | |
| Calibrate the flat detector | | | | | PASS | |
| Check Dose Test and Fastdose Calibration | | | | | PASS | |
| Check Energy and Signal Flow 1 | | | | | PASS | |
| Check Energy and Signal Flow 2 | | | | | PASS | |
| Check EDL Expected Tube Power Verification | | | | | PASS | |
| **X-ray safety: Air Kerma rate Verification (lateral)** | | | | | | |
| Dose Rate Fluoroscopy Mode I | | | µGy/s | 369 | | |
| Local limit value: Fluoroscopy Mode I | | | | | 833 µGy/s | |
| Dose Rate Fluoroscopy Mode I within local limit | | | | | PASS | |
| Dose Rate Fluoroscopy Mode II | | | µGy/s | 738 | | |
| Local limit value: Fluoroscopy Mode II | | | | | 833 µGy/s | |
| Dose Rate Fluoroscopy Mode II within local limit | | | | | PASS | |
| Dose Rate Fluoroscopy Mode III | | | µGy/s | 1860 | | |
| Local limit value: Fluoroscopy Mode III | | | | 2083 µGy/s | | |
| Dose Rate Fluoroscopy Mode III within local limit | | | | | PASS | |
| **Image chain Monitor (Philips)** | | | | | | |
| Check Monitor Performance | | | | | PASS | |
| **Mechanical Maintenance + Preventative Replacements** | | | | | | |
| **Frontal stand** | | | | | | |
| Do the mechanical maintenance of the frontal stand | | | | | PASS | |
| **Operator controls** | | | | | | |
| Check the function of the operator controls | | | | | PASS | |
| **Calibrations** | | | | | | |
| **Frontal stand** | | | | | | |
| Adjust frontal stand | | | | | PASS | |
| **Interventional Tools / XtraVision: XperCT gain calibration** | | | | | | |
| Do the XperCT gain calibration | | | | | Not Required | |

| | Min | Max | UoM | Measurement | Result | Comments |
|---|---|---|---|---|---|---|

## Calibrations

### Interventional Tools / XtraVision: calibrations and verifications

| | | | | | | |
|---|---|---|---|---|---|---|
| Do the Interventional Tools / XtraVision calibrations and verifications | | | | | PASS | |

## Completing the visit

### Completing the visit

| | | | | | | |
|---|---|---|---|---|---|---|
| Resetting system logging | | | | | PASS | |
| Handover | | | | | PASS | |

Philips Representative Signature:

酒井崇友

Engineer Name: TAKATOMO SAKAI

Date: Aug 23, 2021