

Ship To:
BG Klinikum Unfallkrankenhaus
Warener Str. 7
Berlin
Germany

Test and Verification Report

Case Number: 0126424047

Work Order: WO-14158960

WORK DETAILS

Engineer Name: Rene Marks	Event Type: Predictive / Preventative Maintenance
Device Status: Pass	Service Activity: Visit 3

EQUIPMENT DETAILS

Product Name: Allura Xper FD10	Serial Number: 384
Product Number: 722026	Installed Product: 65869507
Tech ID: 65869507	UDI: N/A

	Min	Max	UoM	Measurement	Result	Comments
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On-site preparations

Preparing on-site for Planned Maintenance

Schedule a patient	PASS
CAT tool shows PC related errors	No
Check emergency stop	PASS
Check safety of system	PASS
Check if enclosures and covers are free from damage, cracks and sharp edges.	PASS
Check system	PASS

Electrical Safety IEC62353

Visual Inspection

Technical room equipment not damaged	PASS
Raceways etc. closed and not damaged	PASS
No excessive corrosion at patient support	PASS

Functional Insulation of the X-ray System

Insulation resistance	kOhm	1000
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Protective earth resistance between PPCB and permanent installed equipment

Control Room Connection Box	1	300	mOhm	38	Pass
Azurion/Allura Monitors in Control Room (device with highest value)	1	300	mOhm	26	Pass
Frontal Stand C-arc	1	300	mOhm	31	Pass
Frontal Stand ID-Shift	1	300	mOhm	22	Pass

	Min	Max	UoM	Measurement	Result	Comments
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Electrical Safety IEC62353

Protective earth resistance between PPCB and permanent installed equipment

Frontal Stand L-arm / Base	1	300	mOhm	21	Pass	
Azurion/Allura monitor Ceiling Suspension Frame / MCS	1	300	mOhm	10	Pass	
Auxiliary Box (device with highest value)						
Patient Support - Base (AD7)	1	300	mOhm	51	Pass	
Patient Support - Rail Doctors side (AD7)	1	300	mOhm	17	Pass	
Patient Support - Rail Feet Side (AD7)	1	300	mOhm	27	Pass	
Patient Support - Rail Nurse Side (AD7)	1	300	mOhm	15	Pass	
Technical Room: M-Cabinet	1	300	mOhm	8	Pass	
Technical Room: R-Cabinet	1	300	mOhm	10	Pass	
Technical Room: E-Cabinet	1	300	mOhm	11	Pass	
Technical Room: B-Cabinet	1	300	mOhm	11	Pass	

Protective earth resistance of pluggable equipment

Workstations in Control Room, powered by Hospital mains (device with highest value)	1	300	mOhm	72	Pass	
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Equipment ground leakage current

Between PPCB and PCB	0.1	20	mA	2.4	Pass	
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Visual check Equi-Potential Reference Bar Jumpers

Equi-Potential Reference Bar Jumpers					PASS	
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Touch Current

Foot switch (wired) (device with highest value)	0	100	μA	1	Pass	
Control Modules (device with highest value)	0	100	μA	1.5	Pass	
TSM (including swingarm) (device with highest value)	0	100	μA	1.2	Pass	
Auxiliary Connection Box	0	100	μA	1.1	Pass	
Wall connection box 2.x	0	100	μA	1.4	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 - Fluoroscopy Mode I - frontal

Legal limit value			μGy/s	733		
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	Min	Max	UoM	Measurement	Result	Comments
Image Chain + X-ray Safety						
X-ray safety: Air Kerma rate Verification - Fluoroscopy Mode I - frontal						
Measured Dose Rate			μGy/s	368		
Result					PASS	
X-ray safety: Air Kerma rate Verification - Fluoroscopy Mode II - frontal						
Legal limit value			μGy/s	1467		
Measured Dose Rate			μGy/s	735		
Result					PASS	
X-ray safety: Air Kerma rate Verification - Fluoroscopy Mode III - frontal						
Legal limit value			μGy/s	1467		
Measured Dose Rate			μGy/s	1365		
Result					PASS	
Image chain Monitor (Philips)						
Check Monitor Performance					PASS	
Mechanical Maintenance + Preventative Replacements						
Technical room						
Do the mechanical maintenance in the technical room					PASS	
Check coolant level of flat detector chiller and/or x-ray tube cooling unit					PASS	
Ceiling Rails						
Clean the ceiling rails					PASS	
Check the ceiling rails					PASS	
Check Ceiling rails for signs of wear					PASS	
Check Ceiling rails end stops					PASS	
Monitor Ceiling Suspension						
Examine the monitor frame					PASS	
Examine the monitor ceiling suspension					PASS	
AD7 Patient Support: mechanical maintenance						
Do mechanical maintenance of the AD7 (tilt)					PASS	
ECG and Injector Relays						
Check the ECG and injector relays					PASS	
Counter-balanced arms						
Check the counter-balanced arms					PASS	
Check MCC bracket					PASS	

	Min	Max	UoM	Measurement	Result	Comments
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Mechanical Maintenance + Preventative Replacements

Radiation Shield on Counter Balanced Arm

Check the Radiation Shield					PASS	
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Calibrations

Interventional Tools: XperCT gain calibration

Do the XperCT gain calibration					Not Required	
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Completing the visit

Completing the visit

Functional Test					PASS	
Handover					PASS	

Philips Representative Signature:



Engineer Name: Rene Marks
Date: Aug 25, 2026

