

# Performance Session Report

Philips Healthcare

**PHILIPS**

AZIENDA ULSS N.7 PEDEMONTANA

**SWO. No.**

WO-01401922-0010

SANTORSO

**Engineer**

Diego Zanchetta

**Start date**

03.07.2020

**End date**

03.07.2020

**Equipment** 53963223  
**Description** Brilliance CT 16 Slice  
**Serial. No.** 50170  
**Tech id** IT53963223

	Result	Unit	Min	Max
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## System Type 728246 - Brilliance CT 16 Slice - Serial. No.: 50170

### Electrical Safety CT NEW

<b>Ground Leakage Current</b>	1st result OK			
Ground Leakage Current	3,75	mA	-	5,00
<b>Protective Earth</b>	1st result OK			
Gantry Frame	2,0	mOhm	-	200,0
Gantry Rotor	3,0	mOhm	-	200,0
Letto Paziente	7,6	mOhm	-	200,0
CT Host Cabinet	51,0	mOhm	-	200,0
Recon Cabinet	58,0	mOhm	-	200,0
Trasformatore di Rete	15,0	mOhm	-	200,0
UPS	75,0	mOhm	-	200,0

## System Type 728246 - Brilliance CT 16 Slice - Serial. No.: 50170

### CT BR 6-64 Usage based PM

<b>PM Block(s) reported</b>	1st result OK			
System Usage	Average Usage 2X/Year (full a day)		-	-
PM Block(s) Reported	PM2		-	-
<b>Preliminary Checks</b>	1st result OK			
Basic Checks	PASS		-	-
Check Movement From CT Box	PASS		-	-
Software Version	2.6			
Disk Cleanup Procedures	PASS		-	-
<b>Collimator Comp. Analyzer Tool (Remote or On-site)</b>	1st result OK			
Compensator Analysis	PASS		-	-
<b>OPT: Collimator Comp. Visual Inspection</b>	1st result OK			
Opt: Collimator Compensator Insp.	PASS		-	-
<b>Patient Support External Checks</b>	1st result OK			
General Visual Inspection	PASS		-	-
Opt: Standard foot switch	PASS		-	-
Opt: Multi-function foot switch	PASS		-	-
Manual / Horizontal movement resistance	PASS		-	-
<b>Patient Support Interior Inspection</b>	1st result OK			
Hardware Inspection	PASS		-	-
Cables Inspection	PASS		-	-
Horizontal Tape Switches	PASS		-	-
Drive Belt	PASS		-	-
Vertical Encoder O-Ring Belt	PASS		-	-
Vacuum Patient Support Interior	PASS		-	-
Patient Support Hor. Drive Linkage Insp.	PASS		-	-
Opt: Bariatric Pat. Sup Gas Spring Insp.	PASS		-	-
<b>Patient Support Scissors Inspection</b>	1st result OK			
Patient Support Scissors Inspection	PASS		-	-
<b>Patient Support Lubrication</b>	1st result OK			
Ball Screw Lubrication (Vertical Motion)	PASS		-	-
Vertical Motion Slide Rails	PASS		-	-
Linear Rail Bearing Lube (Non-Bariatric)	PASS		-	-

	Result	Unit	Min	Max
Table Top Rails and Rollers Lubrication	PASS		-	-
<b>OPT: Bariatric Patient Support PM</b>	1st result OK			
Patient Support Gas Spring Replacement	PASS		-	-
<b>Patient Support Final Checks &amp; Reassembly</b>	1st result OK			
Patient Support Cover Reassembly	PASS		-	-
Checking Patient Support Movement	PASS		-	-
Patient Support External Cleaning	PASS		-	-
Opt: Patient Support Paint Touch-up	PASS		-	-
<b>Preliminary Gantry External Checks</b>	1st result OK			
Visual Inspections	PASS		-	-
Caution Labels Inspection	PASS		-	-
Control Panel Function Check	PASS		-	-
Laser Inspection	PASS		-	-
Check Emergency Shutdown E-Stop Buttons	PASS		-	-
<b>Gantry Interior Inspection and Cleaning</b>	1st result OK			
Gantry Interior Cleaning	PASS		-	-
Gantry Fan Operation Inspection	PASS		-	-
Gantry Intake Air Filters Cleaning	PASS		-	-
X-Ray Tube Inspection	PASS		-	-
X-Ray Tube Connector Maintenance	PASS		-	-
Heat Exchanger & Isolators Inspection	PASS		-	-
Dual Pot Belt Inspection	PASS		-	-
Gantry Main Drive Belt Inspection	PASS		-	-
Gantry Cable Inspection	PASS		-	-
Check Gantry Rotor	PASS		-	-
PE Wall box earth to Block on Gantry	15,0	mOhm	0,0	300,0
PE Block on Gantry to Gantry Rotor	25,0	mOhm	0,0	300,0
PE Gantry Rotor to Patient Support Stud	30,0	mOhm	0,0	300,0
<b>OPT: BR 6-64 Gantry Interior Inspection</b>	1st result OK			
Front Cover Insp. (Brilliance 6-64)	PASS		-	-
<b>OPT: BR 64 UDMS Gantry Interior Cleaning</b>	1st result OK			
Brilliance 64 UDMS 7-Fans Cleaning	PASS		-	-
<b>Gantry Main Bearing Lubrication</b>	1st result OK			
Gantry Main Bearing Lubrication	PASS		-	-
<b>Slip Ring Maintenance</b>	1st result OK			
Slip Ring Inspection	PASS		-	-
Slip Ring Cleaning	PASS		-	-
Brush Block Cleaning	PASS		-	-
Brush Block Inspection	PASS		-	-
Slip ring Lubrication	PASS		-	-
Brush Block Repl. (@ 15 million revs)	PASS		-	-
<b>OPT: Visible Laser Gantry Optics Insp. &amp; Cleaning</b>	1st result OK			
Inspect and Clean Waveguides and Lenses	PASS		-	-
Vacuum Transmitter Fans	PASS		-	-
<b>OPT: Invisible Laser Gantry Optics Insp. &amp; Cleaning</b>	1st result OK			
Check Optical Power Output	PASS		-	-
Clean Lenses Optical Slipring & Stator	PASS		-	-
<b>Collimator Verification Procedure (2 Options)</b>	1st result OK			
A-Plane Opening Diag. Tool (Pref. Meth.)	PASS		-	-
A-Plane Opening Ver. Hex Key (Opt Meth.)	PASS		-	-
<b>Gantry Reassembly</b>	1st result OK			
Covers Re-installation	PASS		-	-
Gantry Exterior Cleaning	PASS		-	-
Gantry Paint Touch-up (optional)	PASS		-	-
Safety Measures	PASS		-	-
<b>Console Prel. Cleaning &amp; Preparation</b>	1st result OK			

	Result	Unit	Min	Max
Power Down Host and CIRS	PASS		-	-
Clean Tabletop, Keyboard, Mouse & CT Box	PASS		-	-
<b>Host Rack / CIRS Server Exterior Cleaning</b>	1st result OK			
Vacuum Host Exterior including Fans	PASS		-	-
Vacuum CIRS Exterior including Fans	PASS		-	-
Vacuum CIRS Filters (If Applicable)	PASS		-	-
Opt: Erasable Optical Drive Cleaning	PASS		-	-
<b>Host / CIRS Server Interior &amp; GPU Cleaning</b>	1st result OK			
Clean and Vacuum Host Interior	PASS		-	-
Clean and Vacuum CIRS Interior	PASS		-	-
Opt: Clean GPU	PASS		-	-
<b>Host &amp; CIRS MB CMOS Battery Replacement</b>	1st result OK			
Host Motherboard CMOS Battery Repl.	PASS		-	-
CIRS Motherboard CMOS Battery Repl.	PASS		-	-
<b>Console UPS Planned Maintenance</b>	1st result OK			
Clean and Inspect UPS	PASS		-	-
Test UPS	PASS		-	-
<b>Calibration and IQ Tests</b>	1st result OK			
Filament Calibration - Pass 2	PASS		-	-
Air calibration (If Needed, See Table)	PASS		-	-
Tube Output Calibration (If IMR System)	PASS		-	-
Dose Modulation Check (DDOM and ZDOM)	PASS		-	-
CONSTANCY TEST	PASS		-	-
IQ Test	PASS		-	-
<b>System Backup</b>	1st result OK			
System Backup	PASS		-	-
Copy to External Medium	PASS		-	-
<b>Check Intercom Connection (after Gantry PM)</b>	1st result OK			
Check Intercom Connection	PASS		-	-

## Tools

No tools used