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| **CALL #:** \_\_\_\_ | **Date:** \_\_\_\_ |
| **REPORT #:** \_\_\_\_ | |

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| ***SERVICE*** |  | ***CUSTOMER INFORMATION*** |
| INSTALLATION DATE: \_\_\_\_ |  | INSTALLATION SITE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| ENGINEER: \_\_\_\_ |  | ADDRESS: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  |  | COUNTRY: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
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|  |  | DISTRIBUTOR NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  |  | PHONE N°: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  |  | MAIL: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| FOCAL ONE® IDENTIFICATION | | | | | |
| 1.1 | **Focal One® serial number:**  \_\_\_\_ | 1.2 | **Probe 1 S/N:**  \_\_\_\_ | 1.3 | **Probe 2 S/N:  NA**  \_\_\_\_ |

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| SUBassemblies Serial number | | | | | |
| N°§ | Item | | Reference | Version\* | Serial number\* |
| 2.1 | Amplifier | | (R) 233360 | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_ |
| Mot Probe Holder | | (R) 901504 | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_ |
| OR | IPO computer | (R) 236659 | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_ |
| Ecrin computer | (R) 233176 | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_ |
| Cooling system | | (R) 901560 | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_ |
| MEP board | | (R) 235403 | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_ |
| Extension board | | (R) 228038 | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_ |
| OR | Ultraview scanner | (R) 230885 | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_ |
| EB2300 scanner | (R) 236150 | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_ |

\*only for first form used or replacement.

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| CONTROL TOOLS | | | | |
| N°§ | TEST EQUIPEMENT | S/N | VALIDITY | COMMENTS |
| 3.1 | Voltmeter | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_ |
| 3.2 | Thermometer | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_ |
| 3.3 | Inclinometer | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_ |
| 3.4 | Current clamp | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_ |
| 3.5 | Load bench | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_ |

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| INSTALLATION SITE | | | | | |
| N°§ | CONTROL | VALUE | PASS | FAIL | COMMENTS |
| 4.1 | Conform to installation recommendations. | |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 4.2 | UPS is present.  If YES, write its maxi power | \_\_\_\_\_\_\_\_  N/A | YES | NO | \_\_\_\_\_\_\_\_\_\_\_ |
|  |  |
| 4.3 | Circuit breaker (Type D or slow trip) is present.  Write the value | \_\_\_\_\_\_\_\_ |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 4.4 | Earth leakage circuit breaker is present.  Write the value | \_\_\_\_\_\_\_\_  (30mA) |  |  | \_\_\_\_\_\_\_\_\_\_\_ |

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| FUSES | | | | |
| N°§ | CONTROL | PASS | FAIL | COMMENTS |
| 5.1 | F1 and F2 are as expected |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 5.2 | F3 and F4 are as expected |  |  | \_\_\_\_\_\_\_\_\_\_\_ |

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| MAIN FUNCTION | | | | |
| N°§ | CONTROL | PASS | FAIL | COMMENTS |
| 6.1 | Secondary screen is enough compensated. |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 6.2 | Main screen movement. |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 6.3 | 3 positions of breaking pedal. |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 6.4 | Hexagon’s socket set screws. |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 6.5 | Cable wipers  N/A if mobile system |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 6.6 | Tablet’s locking system. |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 6.7 | Tablet displacement. |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 6.8 | Screens movements. |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 6.9 | Main power cable. |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 6.10 | Ablasonic holder tightening. |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 6.11 | Mönninghoff arm’s locking system. |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 6.12 | Chassis fans. |  |  | \_\_\_\_\_\_\_\_\_\_\_ |

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| MANUAL MOVEMENTS. | | | | | |
| N°§ | CONTROL | VALUE | PASS | FAIL | COMMENTS |
| 7.1 | No hard point during displacement. | |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 7.2 | Move manually from one side to another.  Record distances: | * X = \_\_\_\_   (235mm ±3)   * Y = \_\_\_\_   (50mm ±3) |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 7.3 | No friction between cover and shutter. | |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 7.4 | No cables can interfere with movements. | |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 7.5 | Probe holder levelled | •X = \_\_\_\_  •Y = \_\_\_\_ |  |  | \_\_\_\_\_\_\_\_\_\_\_ |

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| Focal One® switch on. | | | | | |
| N°§ | CONTROL | VALUE | PASS | FAIL | COMMENTS |
| 8.1 | Blue LED’s. | |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 8.2 | Switch ON Focal One®, all the auto start is executed. | |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 8.3 | Check powers supplies :   * Before F1 and after F2 * Before F3 and after F4 * MEP power supply * 12V power supply | * \_\_\_ V (Main power ±10%) * \_\_\_ V (217V -253V) * \_\_\_ V (22.8V - 25.2V) * \_\_\_ V (11.4V – 12.6V) |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 8.4 | LED tape. | |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 8.5 | Patient movement detector. | |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 8.6 | External USB connectors. | |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 8.7 | Touchpad test | |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 8.8 | All “Get Init Status” are “OK” | |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 8.9 | MEP Analog inputs :  “In7 - 3.3 Volts Power Supply”  “In8 - 24 Volts Power Supply” | \_\_\_\_\_\_\_\_\_\_\_ (3.13V-3.47V) \_\_\_\_\_\_\_\_\_\_\_ (22.8V-25.2V) |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 8.10 | Inspect “Error” file. | |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 8.11 | Emergency stop functions | |  |  | \_\_\_\_\_\_\_\_\_\_\_ |

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| PROBE HOLDER ARM. | | | | | |
| N°§ | CONTROL | VALUE | PASS | FAIL | COMMENTS |
| ALL AXIS | | | | | |
| 9.1.1 | Status is “NoMotError” after centering. | |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 9.1.2 | 4 values of “Pos Mot” are 0mm (± 0.2mm) | X: \_\_\_\_\_\_\_\_\_\_\_  Y: \_\_\_\_\_\_\_\_\_\_\_  T: \_\_\_\_\_\_\_\_\_\_\_ |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 9.1.3 | Record backlash values | X: \_\_\_\_\_\_\_\_\_\_\_  Y: \_\_\_\_\_\_\_\_\_\_\_  T: \_\_\_\_\_\_\_\_\_\_\_ |  | | |
| 9.1.4 | The keypad works well. | |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 9.1.5 | Theta fan works. | |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| X AXIS (LONGITUDINAL) | | | | | |
| N°§ | CONTROL | VALUE | PASS | FAIL | COMMENTS |
| 9.2.1 | Measure the complete displacement from +50mm to -50mm. | | | |  |
| Software value:  Measured value: | \_\_\_ mm (100 mm)  \_\_\_ mm (<2mm) |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Y AXIS (TRANSVERSAL) | | | | | |
| N°§ | CONTROL | VALUE | PASS | FAIL | COMMENTS |
| 9.3.1 | Measure the complete displacement from +25mm to -25mm. | | | |  |
| Software value:  Measured value: | \_\_\_ mm (50 mm)  \_\_\_ mm (<2mm) |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Z AXIS (ACTUATOR) | | | | | |
| N°§ | CONTROL | VALUE | PASS | FAIL | COMMENTS |
| 9.4.1 | Measure the complete displacement from +40mm to -40mm. | | | |  |
| Software value:  Measured value: | \_\_\_ mm (80 mm)  \_\_\_ mm (<2mm) |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Θ AXIS (THETA) | | | | | |
| N°§ | CONTROL | VALUE | PASS | FAIL | COMMENTS |
| 9.5.1 | Request a movement of +70°. Measure displacement. | | | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Software value:  Measured value: | \_\_\_°  \_\_\_° (<2°) |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| MANUAL MOVEMENTS | | | | | |
| N°§ | CONTROL | | PASS | FAIL | COMMENTS |
| 9.6.1 | Front right, No interferences between motors board cables and frame. No collision with cover. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 9.6.2 | Back right No interferences between motors board cables and frame. No collision with cover. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 9.6.3 | Back left No interferences between motors board cables and frame. No collision with cover. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 9.6.4 | Front left No interferences between motors board cables and frame. No collision with cover. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 9.6.5 | No friction with top cover | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| RANDOM MOVEMENTS | | | | | |
| N°§ | CONTROL | VALUE | PASS | FAIL | COMMENTS |
| 9.7.1 | No motors errors occur after mechanical origin. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 9.7.2 | Record backlash values before random:  X = \_\_\_\_\_\_\_\_\_\_\_ (<0.3mm) / Y = \_\_\_\_\_\_\_\_\_\_\_ (<0.3mm) / T = \_\_\_\_\_\_\_\_\_\_\_(<0,6°) | | | | |
| 9.7.3 | Time start : \_\_\_\_\_\_\_\_\_\_\_  Time stop : \_\_\_\_\_\_\_\_\_\_\_  Number of movements : \_\_\_\_\_\_\_\_\_\_\_ | | | | |
| 9.7.4 | Open file and check if there is no error during displacement. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 9.7.5 | No motors errors occurs after mechanical origin | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 9.7.6 | Record backlash values before random:  X = \_\_\_\_\_\_\_\_\_\_\_ (<0.3mm) / Y = \_\_\_\_\_\_\_\_\_\_\_ (<0.3mm) / T = \_\_\_\_\_\_\_\_\_\_\_(<0,6°) | | | | |
| 9.7.7 | Difference between before and after random | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| cooling system. | | | | | | |
| N°§ | CONTROL | VALUE | PASS | FAIL | COMMENTS | |
| 10.1 | Peltier consumption. | Max: \_\_\_A  (27-38A) |  |  | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 10.2 | Fans operate and cooling temperature decreases. | |  |  | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 10.3 | Pump operates. | |  |  | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 10.4 | Regulation is working. | |  |  | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 10.5 | Peltier consumption. | \_\_\_ A (<0.2A) |  |  | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 10.6 | Difference between the two PT100. | \_\_\_ °C.(<2°C) |  |  | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 10.7 | Difference between thermometer and mean. | \_\_\_ °C.(<4.5°C) |  |  | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 10.8 | Cooling’s fans. | |  |  | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| ultrasound. | | | | | | | | |
| 11.1 |  | | | | | | | |
| 11.1 |  | | | | | | | |
| N°§ | CONTROL | | VALUE | | | PASS | FAIL | COMMENTS |
| 11.2 | Fans function. | | | | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 11.3 | IP address  Port number | | \_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_ | | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
| 11.4 | Delay | | ON: \_\_\_ s (100s)  OFF: \_\_\_s (30s) | | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 11.5 | Offset | | X: \_\_\_\_\_\_\_\_\_\_\_  Y: \_\_\_\_\_\_\_\_\_\_\_ | | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
| 11.6 | Size | | X: \_\_\_\_\_\_\_\_\_\_\_  Y: \_\_\_\_\_\_\_\_\_\_\_ | | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
| 11.7 | Ultrasound imaging appears | | | | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 11.8 | Yellow box | | | | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 11.9 | Active area | | | | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 11.10 | Exclusion circle coordinates | | | X: \_\_\_ mm  Y: \_\_\_ mm  Radius: \_\_\_ mm | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
| 11.11 | Screen image is correctly oriented | | | | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 11.12 | Date and time are correct. | | | | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Parameter checking | | Ultraview | | | EB2300 |  | | |
| 11.13 | Size | (75%) | | | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Dyn Range | (62dB) | | | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Pers | (1) | | |  |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Resolution: | Only 1 focal point at 25mm. | | | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Depth | (7.8 or 8cm) | | | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Frequency | (7.5MHz) | | | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Imaging cell | (6030) | | | (X12C3E) |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Mi | (1.39/1.50) | | | (1.2/1.2) |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Gain | (50%) | | | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| TIS | (0.3/4.0Hz) | | | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| probe parameters. | | | | | | |
| 12.1 | Probe serial number | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | |
| N°§ | CONTROL | VALUE | PASS | FAIL | N/A | COMMENTS |
| 12.2 | Power connector VPC. | |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 12.3 | Ultrasound connector. | |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 12.4 | Probe adapts correctly. | |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 12.5 | Holding pin. | |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 12.6 | Luer connections. | |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 12.7 | Correspondence between software and data sheet. | |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 12.8 | Record “Installation date”. | \_\_\_ |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 12.9 | Total number of shots. | \_\_\_ |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 12.10 | Total number of treatments. | \_\_\_ |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 12.11 | Last maintenance date. | \_\_\_ |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 12.12 | Nb of Shots since last maintenance. | \_\_\_ |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 12.13 | Nb of Treatments since last maintenance. | \_\_\_ |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 12.14 | “Calibration state” is “Done”. | |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |

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| Power | | | | | |
| N°§ | CONTROL | VALUE | PASS | FAIL | COMMENTS |
| 13.1 | Record amplifier serial number | \_\_\_\_\_\_\_\_\_\_\_ |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 13.2 | Record COM number | \_\_\_\_\_\_\_\_\_\_\_ |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 13.3 | Fans consumption | \_\_\_ A  (2.37A - 2.63A) |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 13.4 | All wires are connected. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 13.5 | Writes totals values on this table.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Firing number | Focal | Watts per channel | Total of watts | Total of Watts into “Pact\_Load (W)” columns | | 1 | 32 | 1 | 16 | \_\_\_\_\_\_\_\_\_\_\_ | | 2 | 37 | 2 | 32 | \_\_\_\_\_\_\_\_\_\_\_ | | 3 | 42 | 3 | 48 | \_\_\_\_\_\_\_\_\_\_\_ | | 4 | 47 | 4 | 64 | \_\_\_\_\_\_\_\_\_\_\_ | | 5 | 52 | 5 | 80 | \_\_\_\_\_\_\_\_\_\_\_ | | 6 | 57 | 6 | 96 | \_\_\_\_\_\_\_\_\_\_\_ | | 7 | 62 | 7 | 112 | \_\_\_\_\_\_\_\_\_\_\_ | | 8 | 67 | 8 | 128 | \_\_\_\_\_\_\_\_\_\_\_ | | 9 | 72 | 9 | 144 | \_\_\_\_\_\_\_\_\_\_\_ | | 10 | NAT | 10 | 160 | \_\_\_\_\_\_\_\_\_\_\_ | | | | | |
| 13.6 | Shoots are into tolerances. There is no red values | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 3D MEASUREMENT AND RECTUM WALL SIMULATION WITH DUMMY LOAD | | | | | |
| N°§ | CONTROL | VALUE | PASS | FAIL | COMMENTS |
| 14.1 | X real  X measured | \_\_\_ mm  \_\_\_ mm(<2 mm) |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 14.2 | Y real  Y measured | \_\_\_ mm  \_\_\_ mm(<2 mm) |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 14.3 | Z real  Z measured | \_\_\_ mm  \_\_\_ mm(<2 mm) |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 14.4 | Software detects rectum automatically. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 14.5 | Transverse corrections occur. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 14.6 | Treatment doesn’t stop after correction. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 14.7 | Software gives error message. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| treatment simulation. | | | | | |
| N°§ | CONTROL | VALUE | PASS | FAIL | COMMENTS |
| 15.1 | Initialization done without message | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.2 | Motors centering done | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.3 | Fusion test | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| For the 4 first Block | | | | | |
| 15.4 | Treatment area is correctly defined. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.5 | Lesions are correctly displayed. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.6 | Endo-rectal probe moves to the next slice. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.7 | Localization process is successfully completed. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.8 | Endo-rectal probe moves from lesion to lesion. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.9 | Treatment area is successfully completed. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| For the 4 last Block | | | | | |
| 15.10 | Treatment area is correctly defined. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.11 | Lesions are correctly displayed. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.12 | Endo-rectal probe moves to the next slice. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.13 | Localization process is successfully completed. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.14 | Endo-rectal probe moves from lesion to lesion. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.15 | Treatment area is successfully completed. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| For the end of treatment | | | | | |
| 15.16 | Print treatment report. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.17 | Treatment duration | | \_\_\_\_\_\_\_\_\_\_ | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| **DISCONNECT THE MAIN PROBE AND CONNECT THE SECOND PROBE IF IT IS AVAILABLE.**  **IF NOT, TICK THIS BOX: .**  **THEN PERFORM THE SAME TESTS AS PREVIOUSLY.** | | | | | | |
| probe parameters. | | | | | | | | |
| 12.1 | | Probe serial number | \_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | |
| N°§ | | CONTROL | VALUE | PASS | FAIL | N/A | COMMENTS | |
| 12.2 | | Power connector VPC. | |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ | |
| 12.3 | | Ultrasound connector. | |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ | |
| 12.4 | | Probe adapts correctly. | |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ | |
| 12.5 | | Holding pin. | |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ | |
| 12.6 | | Luer connections. | |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ | |
| 12.7 | | Correspondence between software and data sheet. | |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ | |
| 12.8 | | Record “Installation date”. | \_\_\_ |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ | |
| 12.9 | | Total number of shots. | \_\_\_ |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ | |
| 12.10 | | Total number of treatments. | \_\_\_ |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ | |
| 12.11 | | Last maintenance date. | \_\_\_ |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ | |
| 12.12 | | Nb of Shots since last maintenance. | \_\_\_ |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ | |
| 12.13 | | Nb of Treatments since last maintenance. | \_\_\_ |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ | |
| 12.14 | | “Calibration state” is “Done”. | |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ | |

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| Power | | | | | |
| N°§ | CONTROL | VALUE | PASS | FAIL | COMMENTS |
| 13.1 | Record amplifier serial number | \_\_\_\_\_\_\_\_\_\_\_ |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 13.2 | Record COM number | \_\_\_\_\_\_\_\_\_\_\_ |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 13.3 | Fans consumption | \_\_\_ A  (2.37A - 2.63A) |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 13.4 | All wires are connected. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 13.5 | Write total values on this table.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Firing number | Focal | Watts per channel | Total of watts | Total of Watts into “Pact\_Load (W)” columns | | 1 | 32 | 1 | 16 | \_\_\_\_\_\_\_\_\_\_\_ | | 2 | 37 | 2 | 32 | \_\_\_\_\_\_\_\_\_\_\_ | | 3 | 42 | 3 | 48 | \_\_\_\_\_\_\_\_\_\_\_ | | 4 | 47 | 4 | 64 | \_\_\_\_\_\_\_\_\_\_\_ | | 5 | 52 | 5 | 80 | \_\_\_\_\_\_\_\_\_\_\_ | | 6 | 57 | 6 | 96 | \_\_\_\_\_\_\_\_\_\_\_ | | 7 | 62 | 7 | 112 | \_\_\_\_\_\_\_\_\_\_\_ | | 8 | 67 | 8 | 128 | \_\_\_\_\_\_\_\_\_\_\_ | | 9 | 72 | 9 | 144 | \_\_\_\_\_\_\_\_\_\_\_ | | 10 | NAT | 10 | 160 | \_\_\_\_\_\_\_\_\_\_\_ | | | | | |
| 13.6 | Shoots are into tolerances. There is no red values | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 3D MEASUREMENT AND RECTUM WALL SIMULATION WITH DUMMY LOAD | | | | | |
| N°§ | CONTROL | VALUE | PASS | FAIL | COMMENTS |
| 14.1 | X real  X measured | \_\_\_ mm  \_\_\_ mm(<2 mm) |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 14.2 | Y real  Y measured | \_\_\_ mm  \_\_\_ mm(<2 mm) |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 14.3 | Z real  Z measured | \_\_\_ mm  \_\_\_ mm(<2 mm) |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 14.4 | Software detects rectum automatically. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 14.5 | Transverse corrections occur. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 14.6 | Treatment doesn’t stop after correction. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 14.7 | Software gives error message. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| treatment simulation. | | | | | |
| N°§ | CONTROL | VALUE | PASS | FAIL | COMMENTS |
| 15.1 | Initialization done without message | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.2 | Motors centering done | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.3 | Fusion test | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| For the 4 first Block | | | | | |
| 15.4 | Treatment area is correctly defined. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.5 | Lesions are correctly displayed. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.6 | Endo-rectal probe moves to the next slice. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.7 | Localization process is successfully completed. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.8 | Endo-rectal probe moves from lesion to lesion. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.9 | Treatment area is successfully completed. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| For the 4 last Block | | | | | |
| 15.10 | Treatment area is correctly defined. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.11 | Lesions are correctly displayed. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.12 | Endo-rectal probe moves to the next slice. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.13 | Localization process is successfully completed. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.14 | Endo-rectal probe moves from lesion to lesion. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.15 | Treatment area is successfully completed. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| For the end of treatment | | | | | |
| 15.16 | Print treatment report. | |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 15.17 | Treatment duration | | \_\_\_\_\_\_\_\_\_\_ | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| COMPUTER | | | | | | |
| N°§ | CONTROL | VALUE | PASS | FAIL | N/A | COMMENTS |
| 16.1 | PC screens image | |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 16.2 | Free space on HDD | C: \_\_\_ (>10GB)  D: \_\_\_ (>10GB) |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 16.3 | Number of patients treated since last maintenance  activity. | \_\_\_\_\_\_\_\_\_\_\_ |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 16.4 | Indicate date of last maintenance activity on this machine. | \_\_\_\_\_\_\_\_\_\_\_ |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 16.5 | Defrag analysis. | |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 16.6 | Date and time. | |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 16.7 | Software version Check | |  |  |  |  |
| 16.8 | Files backup and retrieve | |  |  |  |  |
| 16.9 | Printer test. | |  |  |  |  |
| 16.10 | Back up battery. | \_\_\_ V |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 16.11 | Clean computer dust filter. | |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |

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| ASPECT AND ACCESSORIES | | | | | |
| N°§ | CONTROL | PASS | FAIL | N/A | COMMENTS |
| 17.1 | Wheels don’t touch covers or chassis. |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 17.2 | Panels are in good condition |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 17.3 | Long panels are easily removed. |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 17.4 | Labels are in good condition |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 17.5 | Ground cables are firmly attached to panels. |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 17.6 | Leg holder condition. |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 17.7 | Transport carriage condition. |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 17.8 | Covers condition. |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |
| 17.9 | Maintenance sticker. |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |

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| ELECTRICAL SAFETY TEST | | | | | |
| N°§ | CONTROL | PASS | FAIL | N/A | COMMENTS |
| 18.1 | All item passed in electrical safety test |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |

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| reporting | | | | | |
| N°§ | CONTROL | PASS | FAIL | N/A | COMMENTS |
| 19.1 | Reporting in Website support |  |  |  | \_\_\_\_\_\_\_\_\_\_\_ |

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| DOCUMENTS |
| **List any documents left with customer or local distributor.** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
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| Date: \_\_/\_\_/\_\_ | Date: \_\_/\_\_/\_\_ | Date: \_\_/\_\_/\_\_ |
| Signature: | Signature: | Signature: |
| CUSTOMER:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | SUPPORT ENGINEER:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | SERVICE MANAGER:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |