

**Report Number:EED32K00112105**

<b>Appendix B:SAR Measurement results Plots</b>
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<b>.....WiFi 2.4G-Head &amp; Body'</b>

Test Laboratory: CTI SAR Lab

### Testo Control Unit WiFi 802.11b 1CH Left Hand Touch Cheek

**DUT: Testo Control Unit; Type: 0480 0069; Serial: PH81SA1BK00159**

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.796$  S/m;  $\epsilon_r = 39.342$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.49, 7.49, 7.49); Calibrated: 2/23/2018;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn914; Calibrated: 12/19/2017
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Head/Area Scan (10x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.152 W/kg

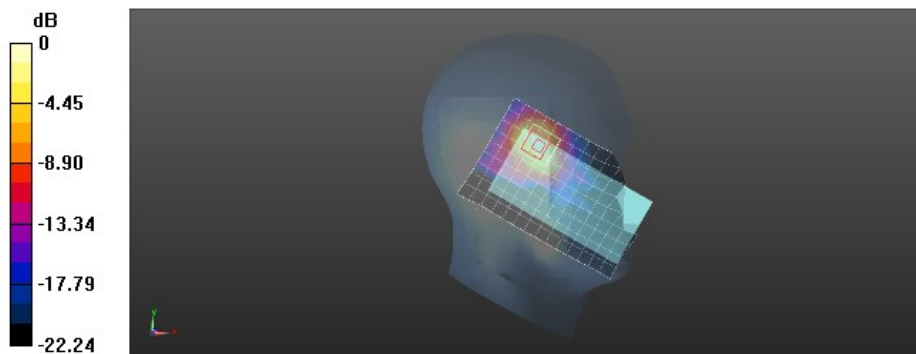
**Configuration/Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.118 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.236 W/kg

**SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.049 W/kg**

Maximum value of SAR (measured) = 0.182 W/kg



0 dB = 0.182 W/kg = -7.40 dBW/kg

Test Laboratory: CTI SAR Lab

**Testo Control Unit WiFi 802.11b 6CH Back Side 15mm****DUT: Testo Control Unit; Type: 0480 0069; Serial: PH81SA1BK00159**

Communication System: UID 0, WiFi 802.11 a/b/g/n/ac (0); Communication System Band: WiFi; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.911$  S/m;  $\epsilon_r = 53.742$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(7.69, 7.69, 7.69); Calibrated: 2/23/2018;
- Sensor-Surface: 2mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn914; Calibrated: 12/19/2017
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (11x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.0518 W/kg

**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.794 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.0750 W/kg

**SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.017 W/kg**

Maximum value of SAR (measured) = 0.0554 W/kg

