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## Appendix B. Highest Measurement Data

Test Laboratory: DEKRA

Date: 2024/11/19

**25\_WLAN2.4GHz\_802.11b-1M\_CH11\_Bottom of laptop\_0mm\_ANT Aux\_AWAN****DUT: Notebook PC; Type: M1607**

Communication System: UID 0, WLAN 2.4G; Frequency: 2462 MHz

Communication System PAR: 0 dB

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.82$  S/m;  $\epsilon_r = 39.18$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

**DASY Configuration:**

- Probe: EX3DV4 - SN3801; ConvF(7.41, 7.41, 7.41) @ 2462 MHz; Calibrated: 2024/06/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2024/04/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

**Configuration/Flat/Area Scan (6x9x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 1.53 W/kg

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

Reference Value = 14.12 V/m; Power Drift = -0.03 dB

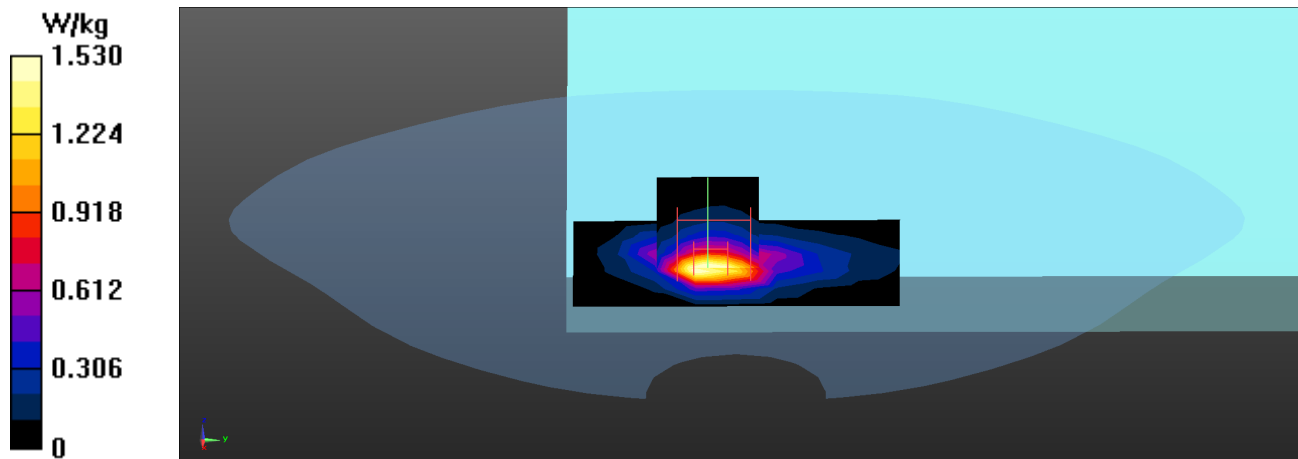
Peak SAR (extrapolated) = 2.10 W/kg

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.480 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.4 mm

Ratio of SAR at M2 to SAR at M1 = 48.8%

Maximum value of SAR (measured) = 1.70 W/kg



Test Laboratory: DEKRA

Date: 2024/11/19

**26\_Bluetooth\_BT-1M\_CH39\_Bottom of laptop\_0mm\_ANT Aux\_AWAN****DUT: Notebook PC; Type: M1607**

Communication System: UID 0, BT 1M&amp;3M&amp;BLE; Frequency: 2441 MHz

Communication System PAR: 0 dB

Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.78$  S/m;  $\epsilon_r = 39.26$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3801; ConvF(7.41, 7.41, 7.41) @ 2441 MHz; Calibrated: 2024/06/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2024/04/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

**Configuration/Flat/Area Scan (6x9x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.0898 W/kg

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

Reference Value = 3.900 V/m; Power Drift = -0.06 dB

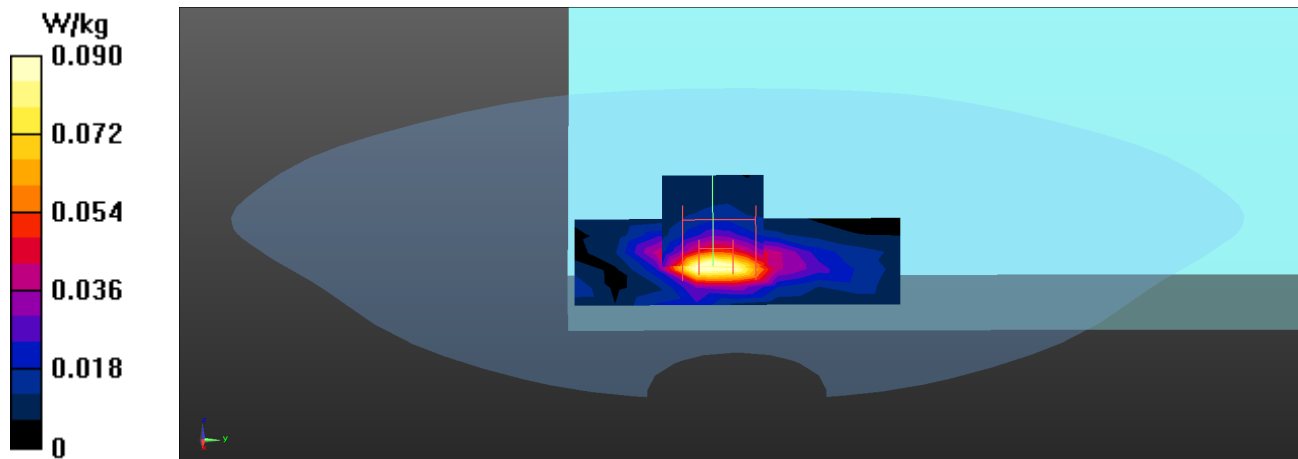
Peak SAR (extrapolated) = 0.126 W/kg

**SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.032 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.8 mm

Ratio of SAR at M2 to SAR at M1 = 50.9%

Maximum value of SAR (measured) = 0.101 W/kg



Test Laboratory: DEKRA

Date: 2024/11/17

**16\_WLAN5GHz\_802.11ac80M-VHT0\_CH58\_Front edge of laptop\_0mm\_ANT Main\_AWAN****DUT: Notebook PC; Type: M1607**

Communication System: UID 0, WLAN 5G; Frequency: 5290 MHz

Communication System PAR: 0 dB

Medium parameters used:  $f = 5290$  MHz;  $\sigma = 4.73$  S/m;  $\epsilon_r = 36.24$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3801; ConvF(5.23, 5.23, 5.23) @ 5290 MHz; Calibrated: 2024/06/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2024/04/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

**Configuration/Flat/Area Scan (7x9x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.73 W/kg

**Configuration/Flat/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 20.15 V/m; Power Drift = -0.07 dB

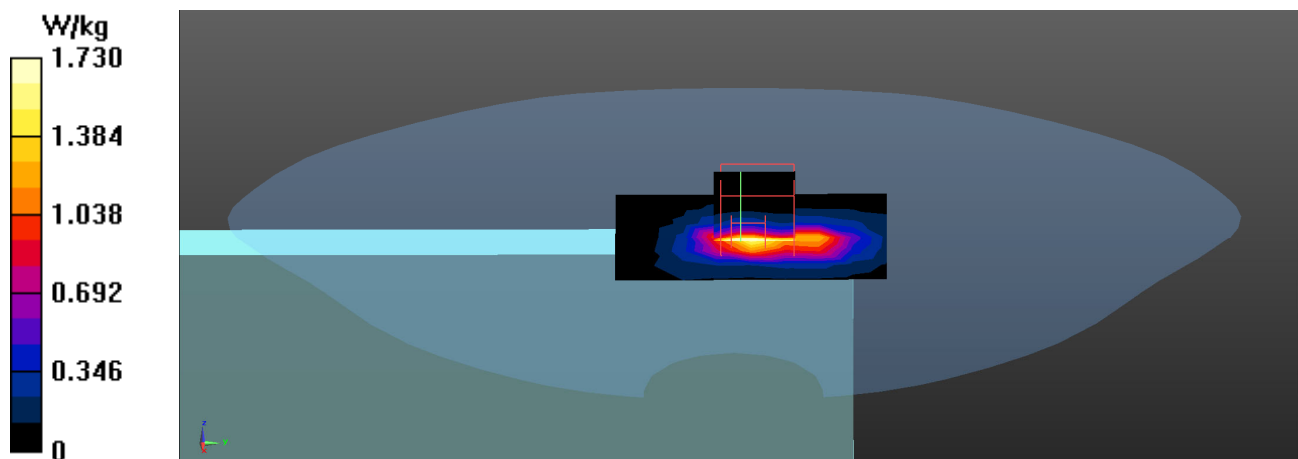
Peak SAR (extrapolated) = 3.60 W/kg

**SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.304 W/kg**

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 63.3%

Maximum value of SAR (measured) = 2.10 W/kg



Test Laboratory: DEKRA

Date: 2024/11/17

**17\_WLAN5GHz\_802.11ac80M-VHT0\_CH138\_Front edge of laptop\_0mm\_ANT Main\_AWAN****DUT: Notebook PC; Type: M1607**

Communication System: UID 0, WLAN 5G; Frequency: 5690 MHz

Communication System PAR: 0 dB

Medium parameters used:  $f = 5690$  MHz;  $\sigma = 5.27$  S/m;  $\epsilon_r = 35.15$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3801; ConvF(4.63, 4.63, 4.63) @ 5690 MHz; Calibrated: 2024/06/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2024/04/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

**Configuration/Flat/Area Scan (6x9x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 1.77 W/kg

**Configuration/Flat/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 19.35 V/m; Power Drift = -0.17 dB

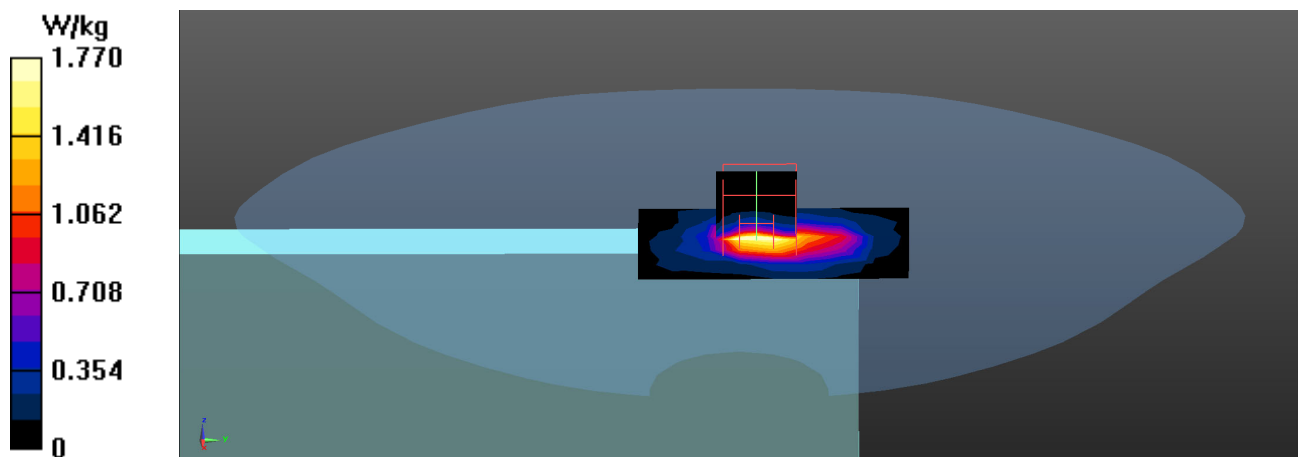
Peak SAR (extrapolated) = 4.92 W/kg

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.326 W/kg**

Smallest distance from peaks to all points 3 dB below = 6.6 mm

Ratio of SAR at M2 to SAR at M1 = 59.6%

Maximum value of SAR (measured) = 2.70 W/kg



Test Laboratory: DEKRA

Date: 2024/11/17

**18\_WLAN5GHz\_802.11ac80M-VHT0\_CH155\_Front edge of laptop\_0mm\_ANT Main\_AWAN****DUT: Notebook PC; Type: M1607**

Communication System: UID 0, WLAN 5G; Frequency: 5775 MHz

Communication System PAR: 0 dB

Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.38$  S/m;  $\epsilon_r = 34.91$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3801; ConvF(4.89, 4.89, 4.89) @ 5775 MHz; Calibrated: 2024/06/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2024/04/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

**Configuration/Flat/Area Scan (6x9x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.65 W/kg

**Configuration/Flat/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 24.02 V/m; Power Drift = -0.16 dB

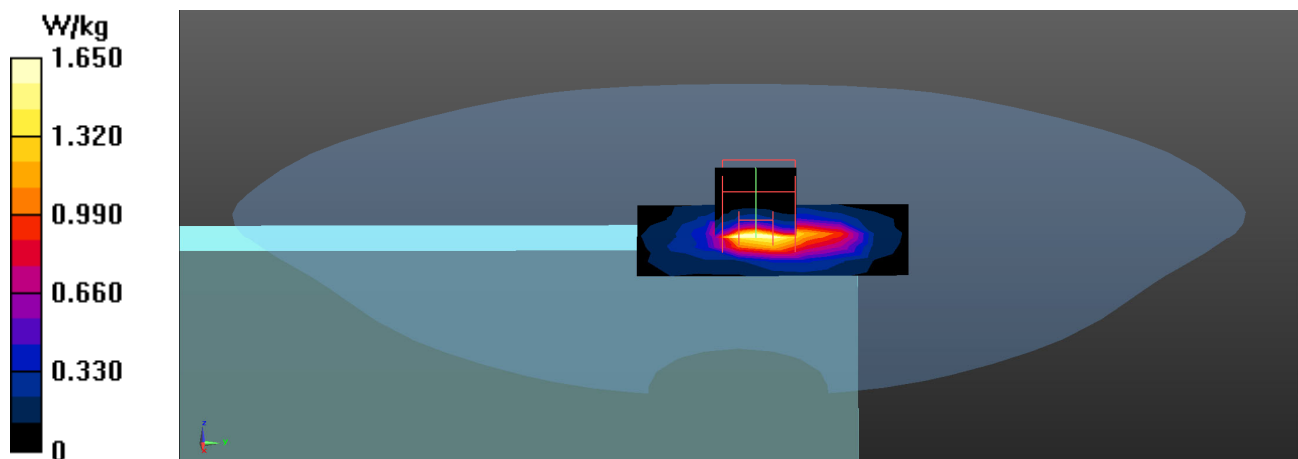
Peak SAR (extrapolated) = 4.71 W/kg

**SAR(1 g) = 0.957 W/kg; SAR(10 g) = 0.305 W/kg**

Smallest distance from peaks to all points 3 dB below = 6.6 mm

Ratio of SAR at M2 to SAR at M1 = 58.9%

Maximum value of SAR (measured) = 2.52 W/kg



## SAR measurement variability

Test Laboratory: DEKRA

Date: 2024/11/19

**24\_WLAN2.4GHz\_802.11b-1M\_CH11\_Bottom of laptop\_0mm\_ANT Aux\_AWAN-Verify****DUT: Notebook PC; Type: M1607**

Communication System: UID 0, WLAN 2.4G; Frequency: 2462 MHz

Communication System PAR: 0 dB

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.82$  S/m;  $\epsilon_r = 39.18$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3801; ConvF(7.41, 7.41, 7.41) @ 2462 MHz; Calibrated: 2024/06/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2024/04/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASYS2, Version 52.10 (4);

**Configuration/Flat/Area Scan (7x9x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 1.52 W/kg**Configuration/Flat/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 14.08 V/m; Power Drift = -0.08 dB

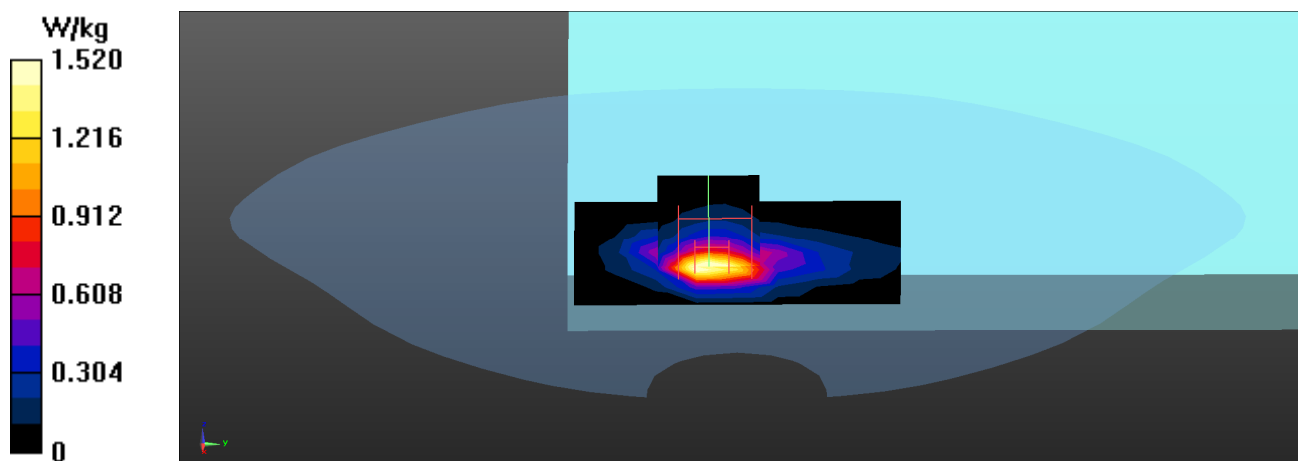
Peak SAR (extrapolated) = 2.11 W/kg

**SAR(1 g) = 1 W/kg; SAR(10 g) = 0.474 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.2 mm

Ratio of SAR at M2 to SAR at M1 = 48.1%

Maximum value of SAR (measured) = 1.70 W/kg



Test Laboratory: DEKRA

Date: 2024/11/17

**19\_WLAN5GHz\_802.11ac80M-VHT0\_CH138\_Front edge of laptop\_0mm\_ANT Main\_AWAN-Verify****DUT: Notebook PC; Type: M1607**

Communication System: UID 0, WLAN 5G; Frequency: 5690 MHz

Communication System PAR: 0 dB

Medium parameters used:  $f = 5690$  MHz;  $\sigma = 5.27$  S/m;  $\epsilon_r = 35.15$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3801; ConvF(4.63, 4.63, 4.63) @ 5690 MHz; Calibrated: 2024/06/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2024/04/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

**Configuration/Flat/Area Scan (6x9x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.65 W/kg

**Configuration/Flat/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 19.38 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 4.57 W/kg

**SAR(1 g) = 0.962 W/kg; SAR(10 g) = 0.308 W/kg**

Smallest distance from peaks to all points 3 dB below = 6.6 mm

Ratio of SAR at M2 to SAR at M1 = 59.9%

Maximum value of SAR (measured) = 2.51 W/kg

