Appendix B. Highest Measurement Data

Test Laboratory: DEKRA Date: 2023/11/16

2_WLAN2.4GHz_802.11b-1M_CH11_Top_0mm_ANT Main

DUT: Handy Skin Sensor 3; Type: HSS3

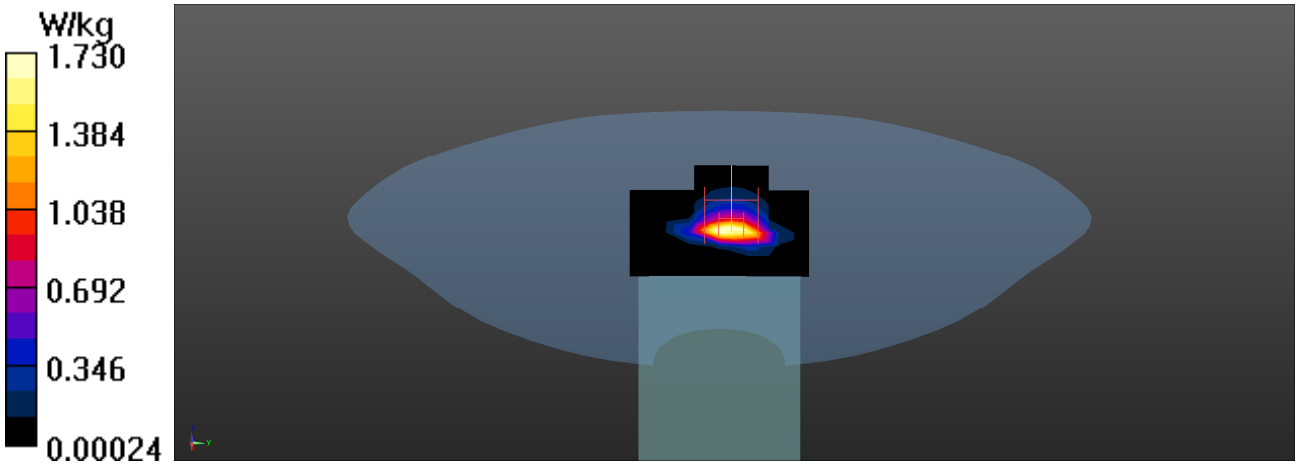
Communication System: UID 0, WLAN 2.4G; Frequency: 2462 MHz
Communication System PAR: 0 dB
Medium parameters used: f = 2462 MHz; σ = 1.82 S/m; ε_r = 40.53; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(7.58, 7.58, 7.58) @ 2462 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2022/11/23
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.73 W/kg

Configuration/Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 34.37 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 2.63 W/kg
SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.457 W/kg
Smallest distance from peaks to all points 3 dB below = 6.7 mm
Ratio of SAR at M2 to SAR at M1 = 46.2%
Maximum value of SAR (measured) = 2.09 W/kg



Test Laboratory: DEKRA Date: 2023/11/17

6_WLAN5GHz_802.11ac80-VHT0_CH58_Top_0mm_ANT Main

DUT: Handy Skin Sensor 3; Type: HSS3

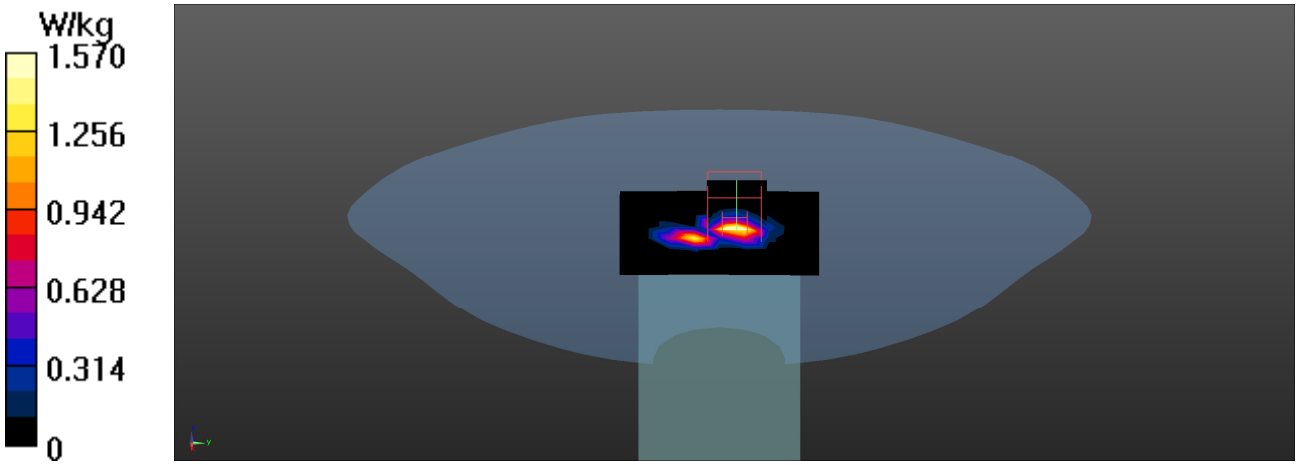
Communication System: UID 0, WLAN 5G; Frequency: 5290 MHz
Communication System PAR: 0 dB
Medium parameters used: f = 5290 MHz; σ = 4.74 S/m; ε_r = 35.81; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(4.8, 4.8, 4.8) @ 5290 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2022/11/23
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (8x9x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.57 W/kg

Configuration/Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 23.09 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 3.75 W/kg
SAR(1 g) = 0.886 W/kg; SAR(10 g) = 0.219 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 65.6%
Maximum value of SAR (measured) = 2.31 W/kg



Test Laboratory: DEKRA Date: 2023/11/17

8_WLAN5GHz_802.11ac80-VHT0_CH122_Top_0mm_ANT Main

DUT: Handy Skin Sensor 3; Type: HSS3

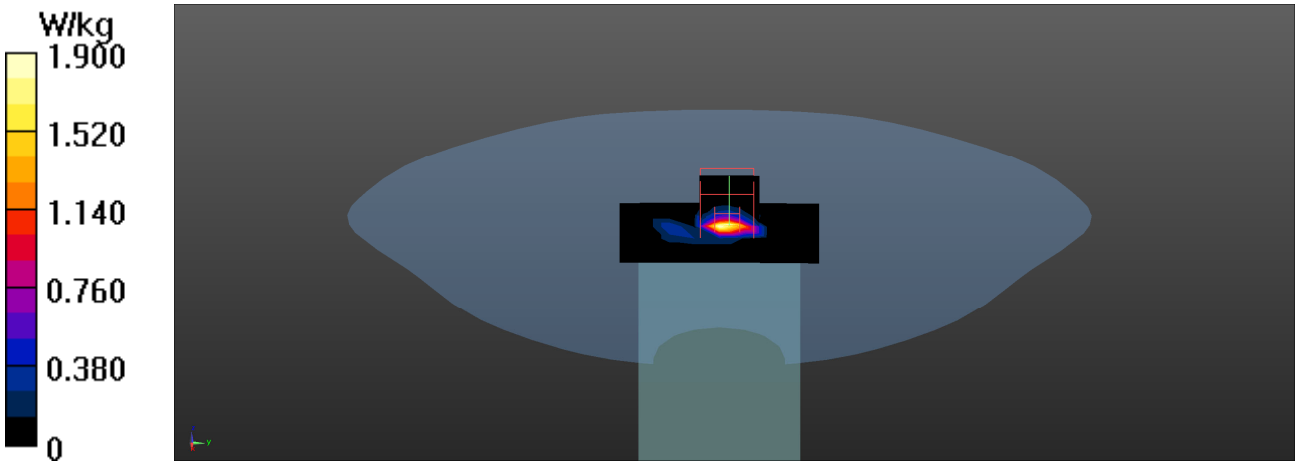
Communication System: UID 0, WLAN 5G; Frequency: 5610 MHz
Communication System PAR: 0 dB
Medium parameters used: f = 5610 MHz; σ = 5.17 S/m; ε_r = 34.92; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(4.42, 4.42, 4.42) @ 5610 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2022/11/23
- Phantom: SAM with right 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) = 1.90 W/kg

Configuration/Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 22.60 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 3.64 W/kg
SAR(1 g) = 0.819 W/kg; SAR(10 g) = 0.189 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 64.2%
Maximum value of SAR (measured) = 2.04 W/kg



SAR measurement variability

Test Laboratory: DEKRA Date: 2023/11/16

4_WLAN2.4GHz_802.11b-1M_CH11_Top_0mm_ANT Main_Verify

DUT: Handy Skin Sensor 3; Type: HSS3

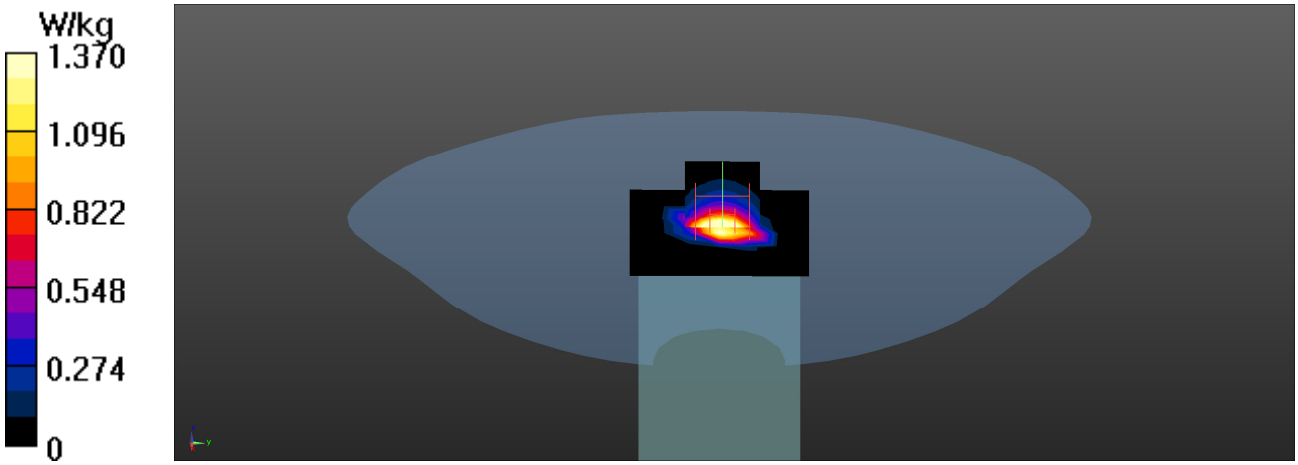
Communication System: UID 0, WLAN 2.4G; Frequency: 2462 MHz
Communication System PAR: 0 dB
Medium parameters used: f = 2462 MHz; σ = 1.82 S/m; ε_r = 40.53; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(7.58, 7.58, 7.58) @ 2462 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2022/11/23
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.37 W/kg

Configuration/Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 26.59 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.55 W/kg
SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.432 W/kg
Smallest distance from peaks to all points 3 dB below = 6.7 mm
Ratio of SAR at M2 to SAR at M1 = 46%
Maximum value of SAR (measured) = 2.04 W/kg



Test Laboratory: DEKRA Date: 2023/11/17

5_WLAN5GHz_802.11ac80-VHT0_CH58_Top_0mm_ANT Main-Verify

DUT: Handy Skin Sensor 3; Type: HSS3

Communication System: UID 0, WLAN 5G; Frequency: 5290 MHz
Communication System PAR: 0 dB
Medium parameters used: f = 5290 MHz; σ = 4.74 S/m; ε_r = 35.81; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(4.8, 4.8, 4.8) @ 5290 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2022/11/23
- Phantom: SAM with right 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) = 1.70 W/kg

Configuration/Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 23.13 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.42 W/kg
SAR(1 g) = 0.843 W/kg; SAR(10 g) = 0.216 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 66.8%
Maximum value of SAR (measured) = 2.06 W/kg