

Annex B

DASY5 measurement results

1. Wi-Fi results

- 2.4 GHz Wi-Fi for Head, Body and limbs
- 5 GHz Wi-Fi for Head, Body and limbs
- Bluetooth for Head, Body and limbs

Date: 25.04.2018

Test Laboratory: Cetecom Essen

Joya 802.11b Channel 6 left hand touch 0mm

DUT: Joya; Type: Terminal; Serial: tbd

Communication System: UID 0, 2.4GHz (0); Communication System Band:

2.4GHz(2404.12~2478.38); Frequency: 2436.75 MHz;

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.847$ S/m; $\epsilon_r = 40.08$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3739; ConvF(7.34, 7.34, 7.34); Calibrated: 23.01.2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1233; Calibrated: 16.02.2017
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

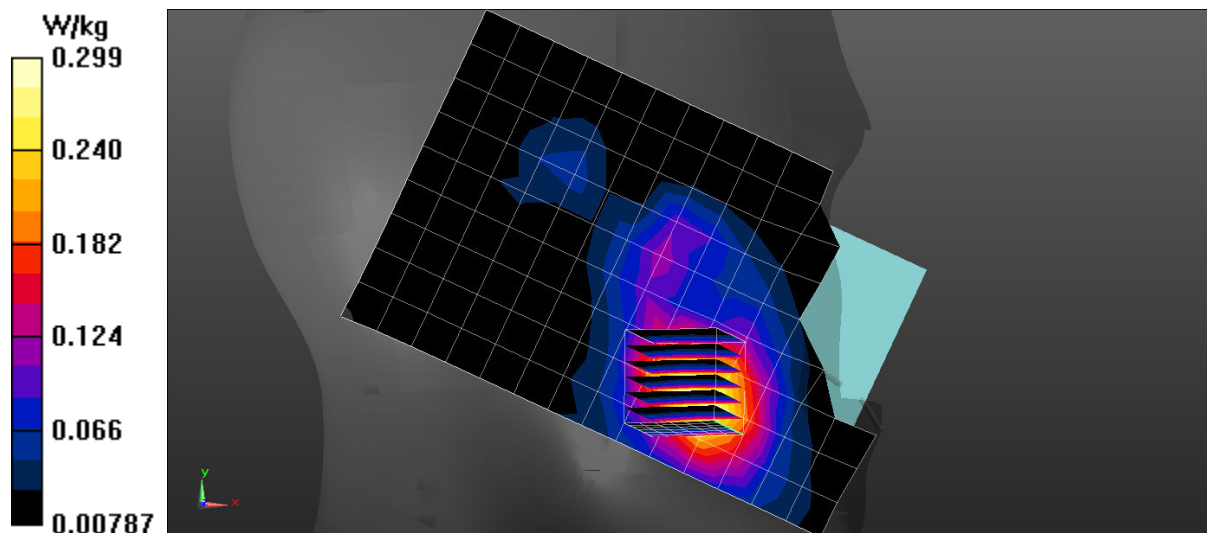
Configuration/Head Touch/Area Scan (10x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.304 W/kg

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

Reference Value = 3.615 V/m; Power Drift = 0.11 dB

Maximum value of SAR (measured) = 0.299 W/kg



Test Laboratory: Cetecom Essen

Joya 802.11b Channel 6 Body left 0mm

DUT: Joya; Type: Terminal; Serial: tbd

Communication System: UID 0, 2.4GHz (0); Communication System Band: 2.4GHz(2404.12~2478.38); Frequency: 2436.75 MHz;
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.988$ S/m; $\epsilon_r = 53.324$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3739; ConvF(7.41, 7.41, 7.41); Calibrated: 23.01.2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1233; Calibrated: 16.02.2017
- Phantom: Twin-SAM right V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1640
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

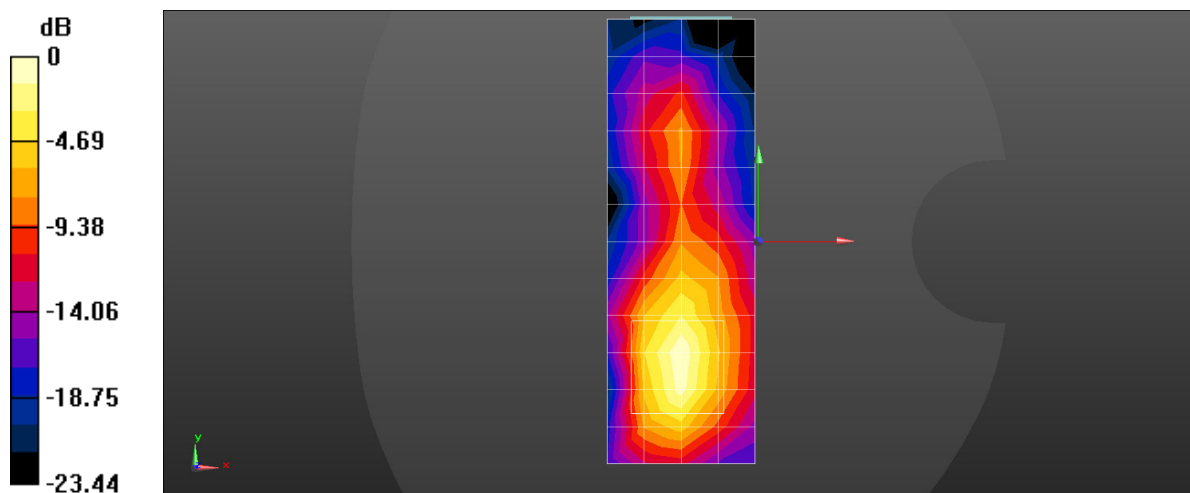
Configuration/Body Left/Area Scan (5x13x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.620 W/kg

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

Reference Value = 6.109 V/m; Power Drift = 0.08 dB

Maximum value of SAR (measured) = 0.633 W/kg



0 dB = 0.633 W/kg = -1.99 dBW/kg

Test Laboratory: Cetecom Essen

Joya 802.11a Channel 149 left hand touch 0mm

DUT: Joya; Type: Terminal; Serial: tbd

Communication System: UID 0, WI-FI(5GHz) (0); Communication System Band: WI-FI(5745-5825); Frequency: 5745 MHz;

Medium parameters used: $f = 5745$ MHz; $\sigma = 5.135$ S/m; $\epsilon_r = 33.963$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3739; ConvF(4.16, 4.16, 4.16); Calibrated: 23.01.2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1233; Calibrated: 16.02.2017
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

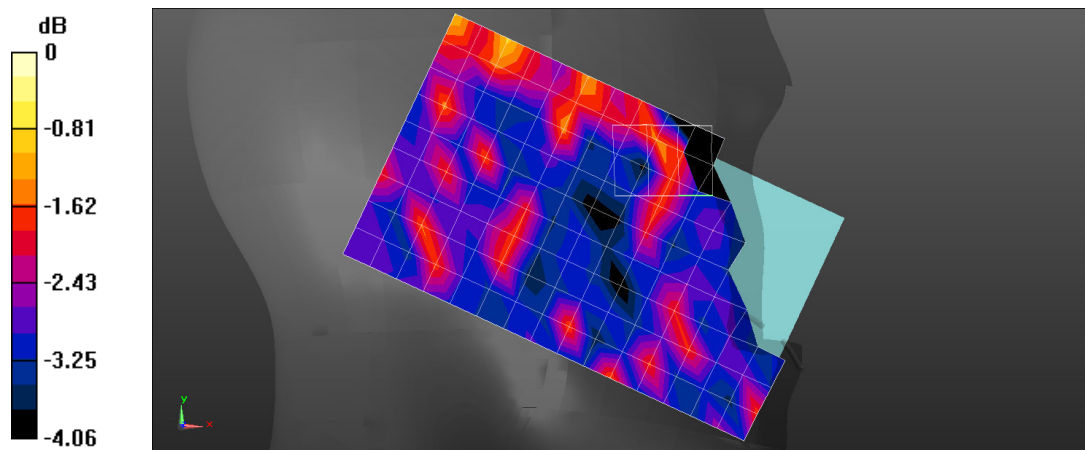
Configuration/Head Touch/Area Scan (10x16x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.109 W/kg

Configuration/Head Touch/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 3.655 V/m; Power Drift = 0.14 dB

Maximum value of SAR (measured) = 0.136 W/kg



0 dB = 0.136 W/kg = -8.66 dBW/kg

Date: 30.04.2018

Test Laboratory: Cetecom Essen

Joya 802.11a Channel 149 body back 0mm

DUT: Joya; Type: Terminal; Serial: tbd

Communication System: UID 0, WI-FI(5GHz) (0); Communication System Band: WI-FI(5745-5825); Frequency: 5745 MHz;

Medium parameters used: $f = 5745$ MHz; $\sigma = 5.999$ S/m; $\epsilon_r = 46.999$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3739; ConvF(3.64, 3.64, 3.64); Calibrated: 23.01.2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1233; Calibrated: 16.02.2017
- Phantom: Twin-SAM right V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1640
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

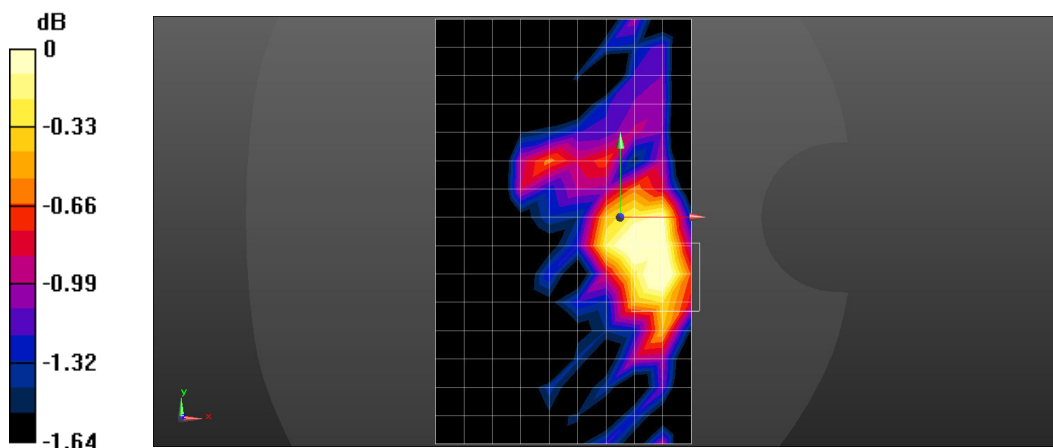
Configuration/Body Back/Area Scan (10x16x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.153 W/kg

Configuration/Body Back/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 4.988 V/m; Power Drift = 0.13 dB

Maximum value of SAR (measured) = 0.145 W/kg



0 dB = 0.145 W/kg = -8.39 dBW/kg

Date: 26.04.2018

Test Laboratory: Cetecom Essen

Joya 802.11a BT Channel 39 head left touch HH 0mm

DUT: Joya; Type: Terminal; Serial: tbd

Communication System: UID 0, 2.4GHz (0); Communication System Band: 2.4GHz(2404.12~2478.38); Frequency: 2436.75 MHz;

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.847$ S/m; $\epsilon_r = 40.08$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3739; ConvF(3.64, 3.64, 3.64); Calibrated: 23.01.2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1233; Calibrated: 16.02.2017
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: xxxx
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Configuration/Left Head Touch/Area Scan (9x14x1): Measurement grid:

$dx=12$ mm, $dy=12$ mm

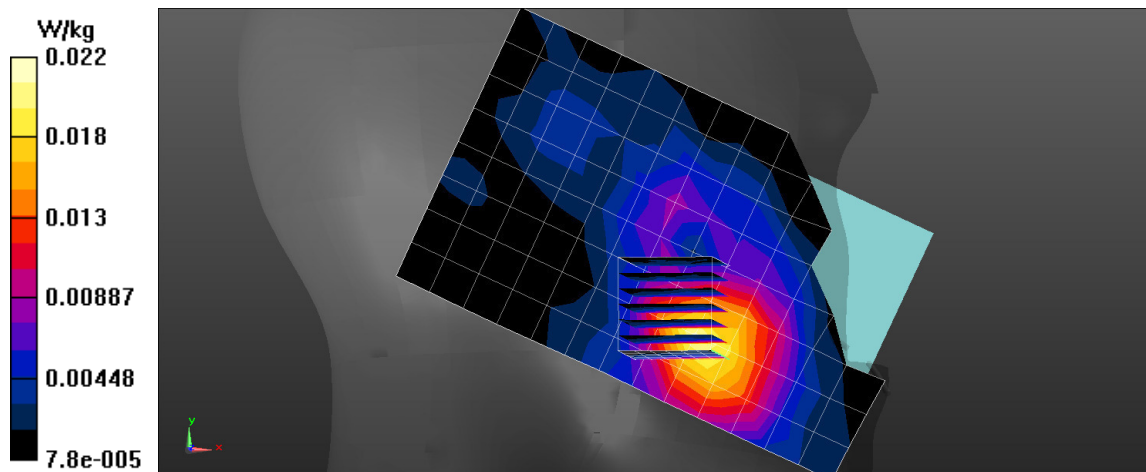
Maximum value of SAR (measured) = 0.0211 W/kg

Configuration/Left Head Touch/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

$dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.073 V/m; Power Drift = 0.15 dB

Maximum value of SAR (measured) = 0.0221 W/kg



Date: 29.04.2018

Test Laboratory: Cetecom Essen

Joya 802.11a BT Channel 39 body left HH 0mm

DUT: Joya; Type: Terminal; Serial: tbd

Communication System: UID 0, Bluetooth (0); Communication System Band:

Bluetooth (2402-2480); Frequency: 2441 MHz;

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.992$ S/m; $\epsilon_r = 53.315$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3739; ConvF(7.41, 7.41, 7.41); Calibrated: 23.01.2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1233; Calibrated: 16.02.2017
- Phantom: Twin-SAM right V5.0 (30deg); Type: QD 000 P40 CD; Serial: 1640
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Configuration/Body Left/Area Scan (5x16x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.0476 W/kg

Configuration/Body Left/Zoom Scan (9x9x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 3.095 V/m; Power Drift = -0.04 dB

Maximum value of SAR (measured) = 0.0571 W/kg

