

Annex B

DASY5 measurement results

1. Wi-Fi results

- 2.4 GHz Wi-Fi for Body and limbs
- 5 GHz Wi-Fi for Body and limbs

Test Laboratory: Cetecom Essen

FX4_Alpha_01 802.11b Channel 1 Left side 0mm

DUT: FX4_Alpha_01; Type: Terminal; Serial: tbd

Communication System: UID 0, 802.11 bgn 100% Duty Cycle (0); Communication System Band: ISM 2.4 GHz Band (2400.0 - 2483.5 MHz); Frequency: 2412 MHz;

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.98$ S/m; $\epsilon_r = 52.346$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3860; ConvF(7.98, 7.98, 7.98); Calibrated: 25.09.2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1233; Calibrated: 16.02.2017
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 Ax; Serial: 1125
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (12x11x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.351 W/kg

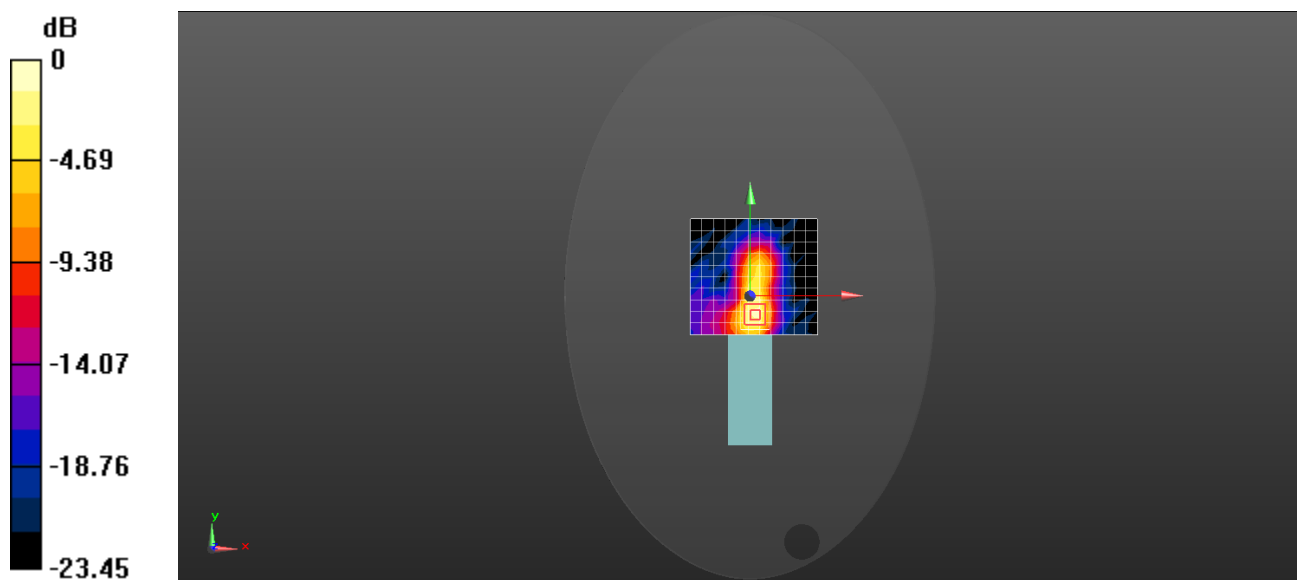
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.265 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.539 W/kg

SAR(1 g) = 0.272 W/kg; SAR(10 g) = 0.131 W/kg

Maximum value of SAR (measured) = 0.441 W/kg



0 dB = 0.441 W/kg = -3.56 dBW/kg

Test Laboratory: Cetecom Essen

FX4_Alpha_01 802.11a Channel 165 Left side 0mm

DUT: FX4_Alpha_01; Type: Terminal; Serial: tbd

Communication System: UID 0, 802.11an 100% Duty Cycle (0); Communication System Band: 5GHz Sub-Band 4 (5745 - 5805 MHz); Frequency: 5825 MHz;

Medium parameters used: $f = 5825$ MHz; $\sigma = 6.271$ S/m; $\epsilon_r = 46.001$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3860; ConvF(4.23, 4.23, 4.23); Calibrated: 25.09.2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1233; Calibrated: 16.02.2017
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 Ax; Serial: 1125
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Configuration/Body/Area Scan (9x11x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.10 W/kg

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

Reference Value = 5.564 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.15 W/kg

SAR(1 g) = 0.483 W/kg; SAR(10 g) = 0.125 W/kg

Maximum value of SAR (measured) = 1.36 W/kg

