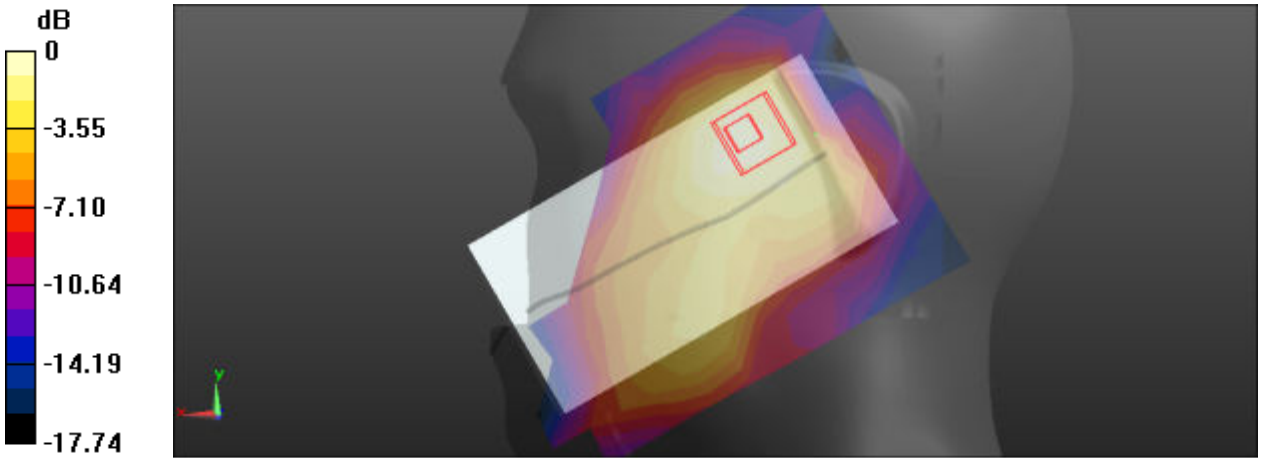
Left Side	Tilt

Communication System: UID 0, band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.45 S/m; ε_r = 39.74; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.84, 7.84, 7.84); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL wcdma band2 Left/wcdma band2 HSL tilt M/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.124 W/kg
  Head-Section HSL wcdma band2 Left/wcdma band2 HSL tilt M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 7.227 V/m; Power Drift = 0.13 dB
  Peak SAR (extrapolated) = 0.192 W/kg
  SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.080 W/kg
  Maximum value of SAR (measured) = 0.136 W/kg



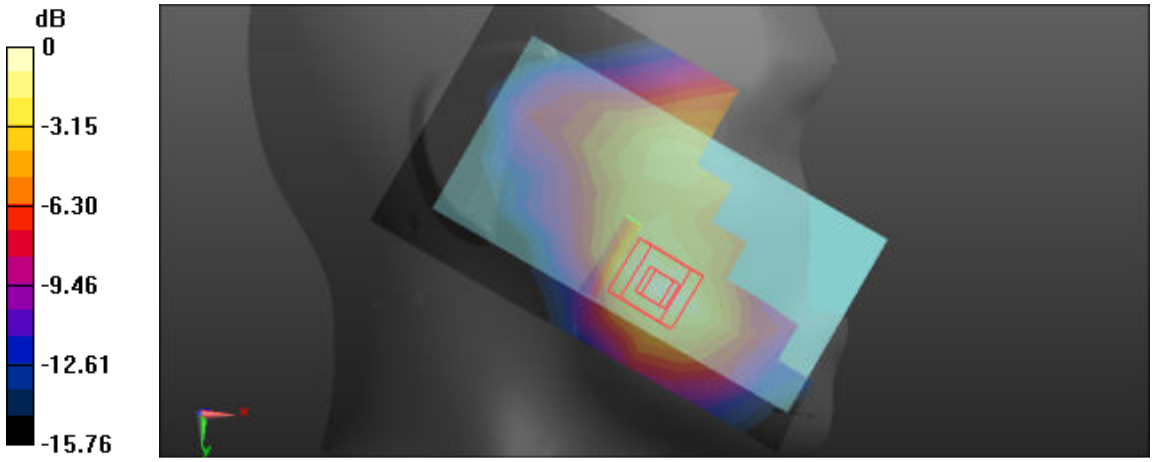
0 dB = 0.136 W/kg = -8.66 dBW/kg

Right Side	Cheek

Communication System: UID 0, band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.45 S/m; ε_r = 39.74; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.84, 7.84, 7.84); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL wcdma band2 Right/wcdma band2 HSL touch M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.264 W/kg
  Head-Section HSL wcdma band2 Right/wcdma band2 HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 3.458 V/m; Power Drift = 0.00 dB
  Peak SAR (extrapolated) = 0.380 W/kg
  SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.152 W/kg
  Maximum value of SAR (measured) = 0.272 W/kg



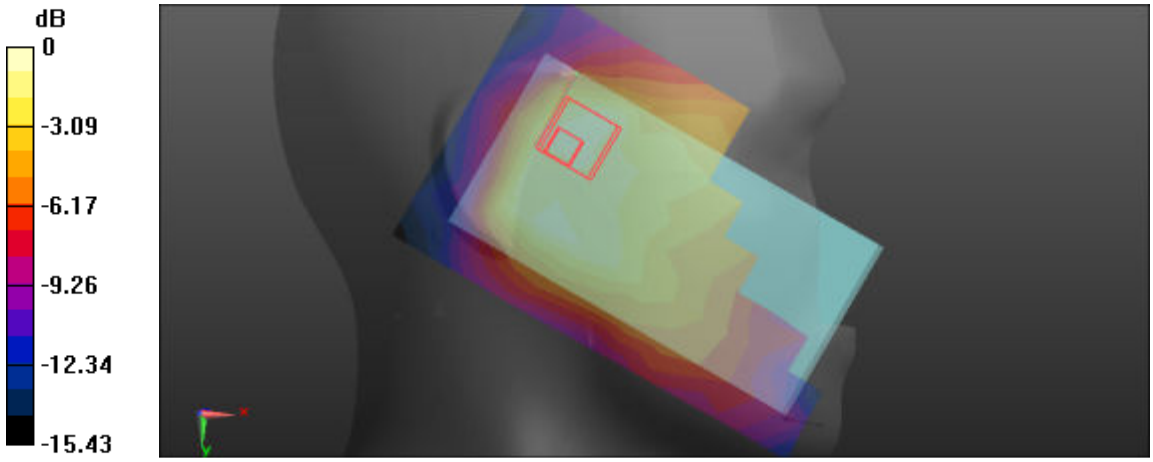
0 dB = 0.272 W/kg = -5.65 dBW/kg

Right Side	Tilt

Communication System: UID 0, LTE band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.45 S/m; ε_r = 39.74; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.84, 7.84, 7.84); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL wcdma band2 Right/wcdma band2 HSL tilt/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0881 W/kg
  Head-Section HSL wcdma band2 Right/wcdma band2 HSL tilt/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 6.343 V/m; Power Drift = 0.21 dB
  Peak SAR (extrapolated) = 0.129 W/kg
  SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.052 W/kg
  Maximum value of SAR (measured) = 0.0953 W/kg



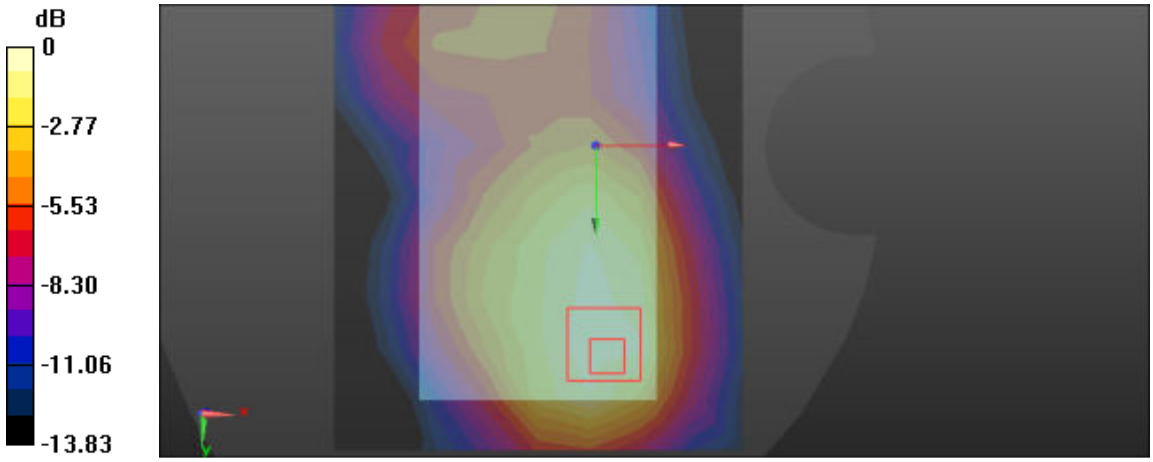
0 dB = 0.0953 W/kg = -10.21 dBW/kg

FLAT(VIOCE)	Towards phantom

Communication System: UID 0, band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 S/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band2 TG&TP/wcdma band2 TP voice M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.461 W/kg
  Flat-Section MSL wcdma band2 TG&TP/wcdma band2 TP voice M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 9.598 V/m; Power Drift = -0.07 dB
  Peak SAR (extrapolated) = 0.794 W/kg
  SAR(1 g) = 0.454 W/kg; SAR(10 g) = 0.276 W/kg
  Maximum value of SAR (measured) = 0.488 W/kg



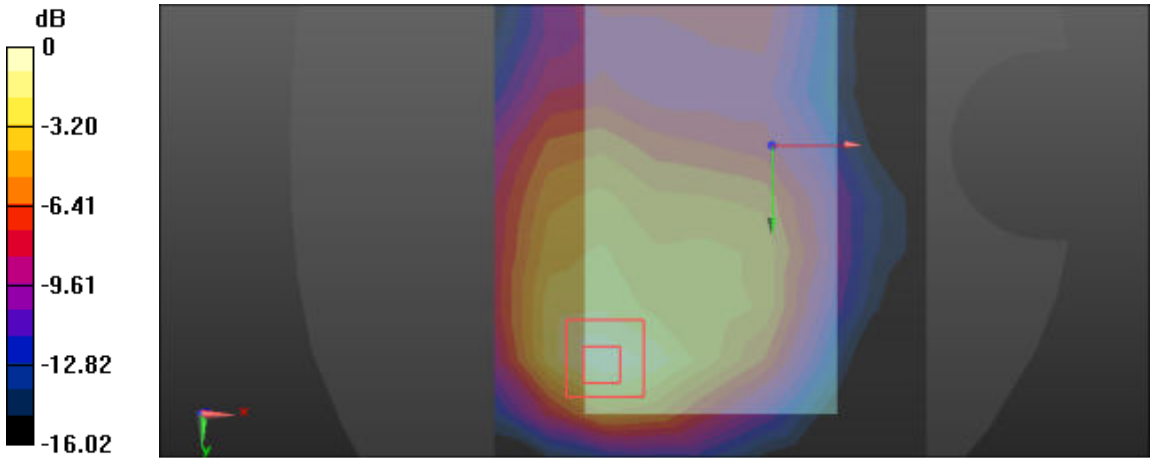
0 dB = 0.488 W/kg = -3.12 dBW/kg

FLAT(VIOCE)	Towards ground

Communication System: UID 0, band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 S/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band2 TG&TP/wcdma band2 TG voice M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.637 W/kg
  Flat-Section MSL wcdma band2 TG&TP/wcdma band2 TG voice M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 9.305 V/m; Power Drift = -0.02 dB
  Peak SAR (extrapolated) = 1.01 W/kg
  SAR(1 g) = 0.572 W/kg; SAR(10 g) = 0.315 W/kg
  Maximum value of SAR (measured) = 0.632 W/kg



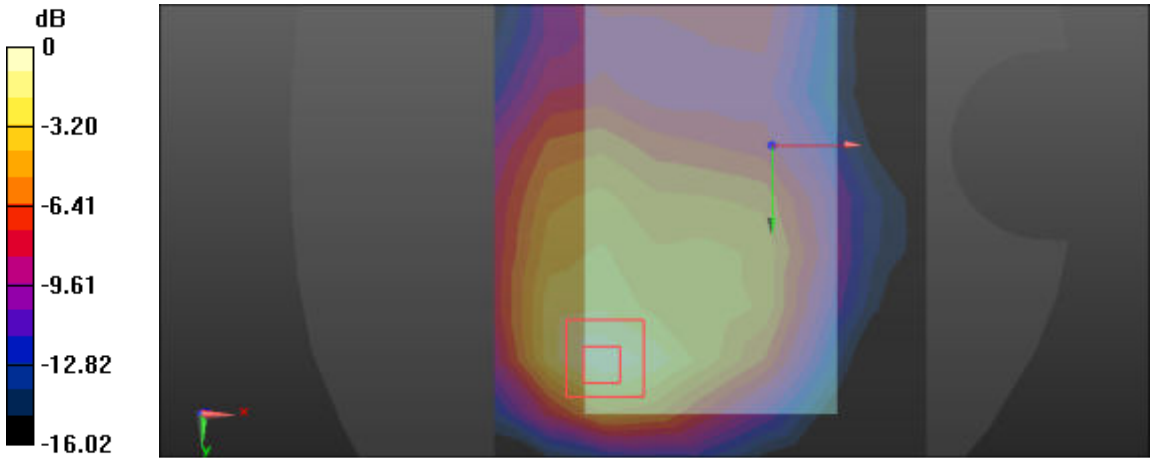
0 dB = 0.632 W/kg = -1.99 dBW/kg

FLAT(VIOCE)	Towards ground

Communication System: UID 0, band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 S/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band2 TG&TP/wcdma band2 TG voice M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.562 W/kg
  Flat-Section MSL wcdma band2 TG&TP/wcdma band2 TG voice M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 8.866 V/m; Power Drift = -0.12 dB
  Peak SAR (extrapolated) = 0.94 W/kg
  SAR(1 g) = 0.533 W/kg; SAR(10 g) = 0.275 W/kg
  Maximum value of SAR (measured) = 0.613 W/kg



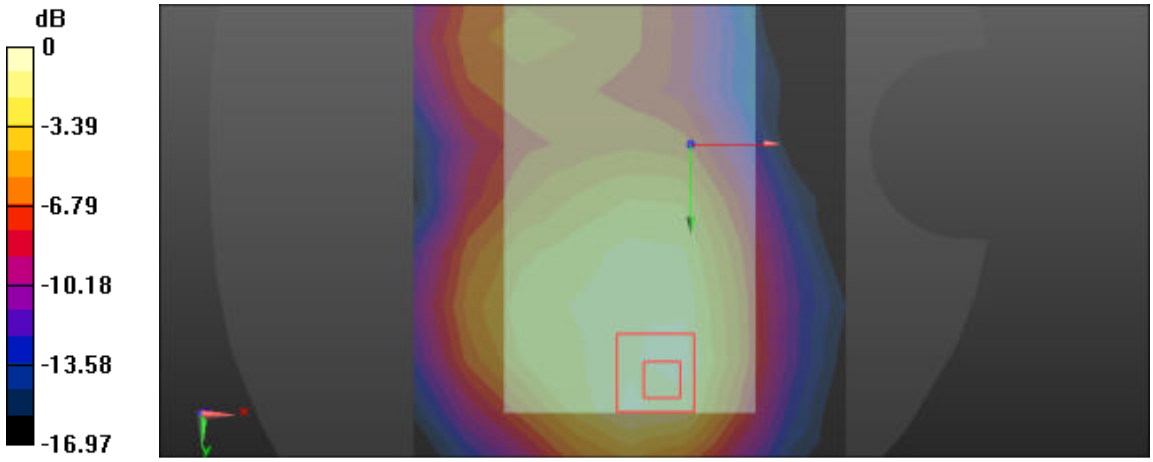
0 dB = 0.0842 W/kg = -10.37 dBW/kg

FLAT(DATA)	Towards phantom

Communication System: UID 0, band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 S/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band2 TG&TP/wcdma band2 TP DATA M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.403 W/kg
  Flat-Section MSL wcdma band2 TG&TP/wcdma band2 TP DATA M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 8.642 V/m; Power Drift = 0.08 dB
  Peak SAR (extrapolated) = 0.736 W/kg
  SAR(1 g) = 0.418 W/kg; SAR(10 g) = 0.241 W/kg
  Maximum value of SAR (measured) = 0.457 W/kg



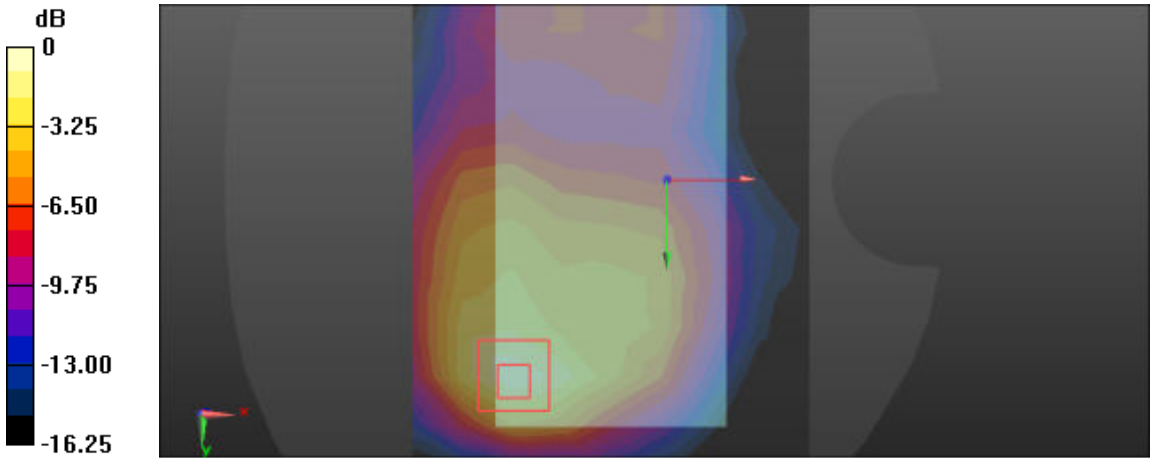
0 dB = 0.457 W/kg = -3.40 dBW/kg

FLAT(DATA)	Towards ground

Communication System: UID 0, band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 S/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band2 TG&TP/wcdma band2 TG DATA M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.628 W/kg
  Flat-Section MSL wcdma band2 TG&TP/wcdma band2 TG DATA M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 8.611 V/m; Power Drift = 0.14 dB
  Peak SAR (extrapolated) = 0.999 W/kg
  SAR(1 g) = 0.568 W/kg; SAR(10 g) = 0.314 W/kg
  Maximum value of SAR (measured) = 0.633 W/kg



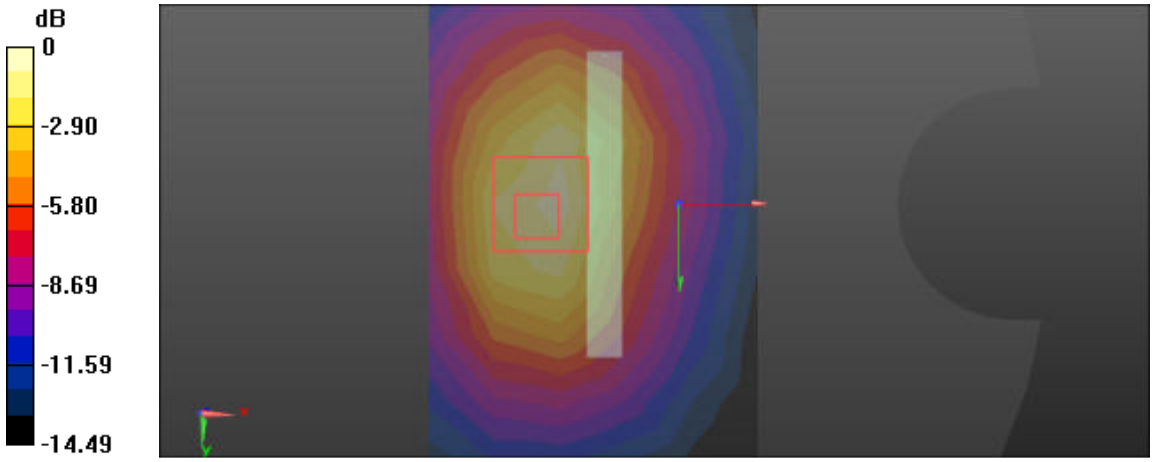
0 dB = 0.0853 W/kg = -10.69 dBW/kg

FLAT	EDGE2

Communication System: UID 0, band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 S/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band2 HOT/wcdma band2 10mm M edge 2/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.542 W/kg
  Flat-Section MSL wcdma band2 HOT/wcdma band2 10mm M edge 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 13.82 V/m; Power Drift = 0.03 dB
  Peak SAR (extrapolated) = 0.893 W/kg
  SAR(1 g) = 0.541 W/kg; SAR(10 g) = 0.313 W/kg
  Maximum value of SAR (measured) = 0.593 W/kg



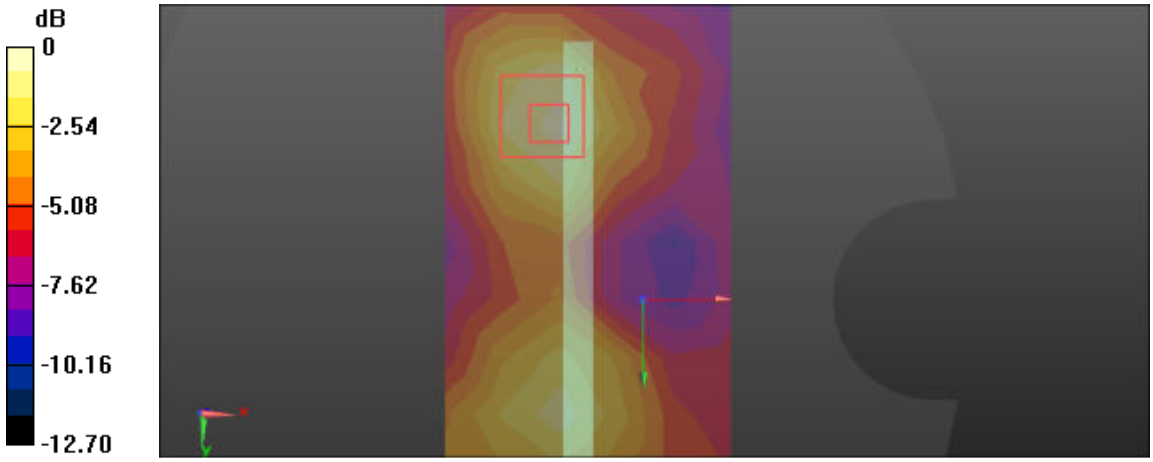
0 dB = 0.593 W/kg = -2.27 dBW/kg

FLAT	EDGE3

Communication System: UID 0, band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 S/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band2 HOT/wcdma band2 10mm M edge 3/Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0766 W/kg
  Flat-Section MSL wcdma band2 HOT/wcdma band2 10mm M edge 3/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 4.139 V/m; Power Drift = 0.07 dB
  Peak SAR (extrapolated) = 0.131 W/kg
  SAR(1 g) = 0.080 W/kg; SAR(10 g) = 0.051 W/kg
  Maximum value of SAR (measured) = 0.0853 W/kg



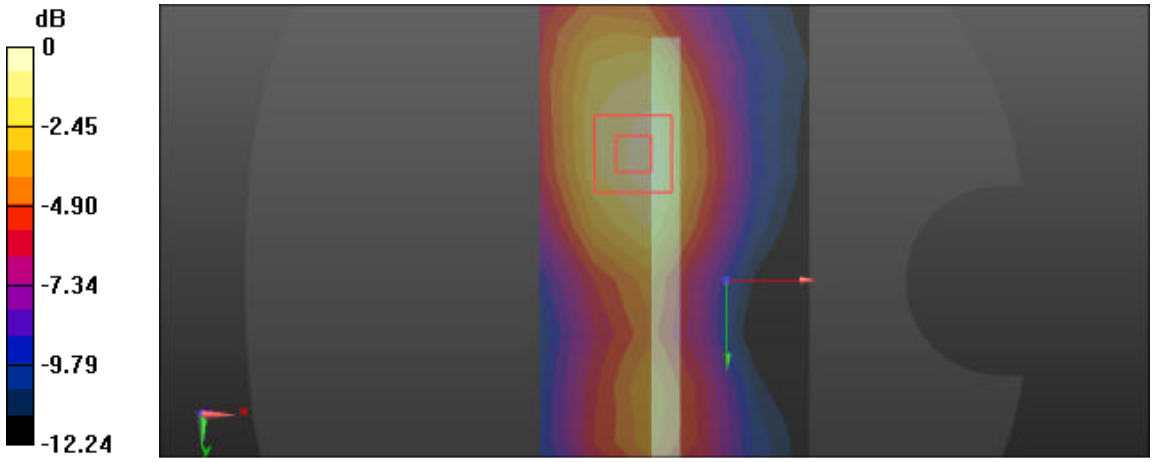
0 dB = 0.0853 W/kg = -10.69 dBW/kg

FLAT	EDGE4

Communication System: UID 0, band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 S/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band2 HOT/wcdma band2 10mm M edge 4/Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.392 W/kg
  Flat-Section MSL wcdma band2 HOT/wcdma band2 10mm M edge 4/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 9.672 V/m; Power Drift = 0.18 dB
  Peak SAR (extrapolated) = 0.604 W/kg
  SAR(1 g) = 0.382 W/kg; SAR(10 g) = 0.234 W/kg
  Maximum value of SAR (measured) = 0.415 W/kg



0 dB = 0.415 W/kg = -3.82 dBW/kg

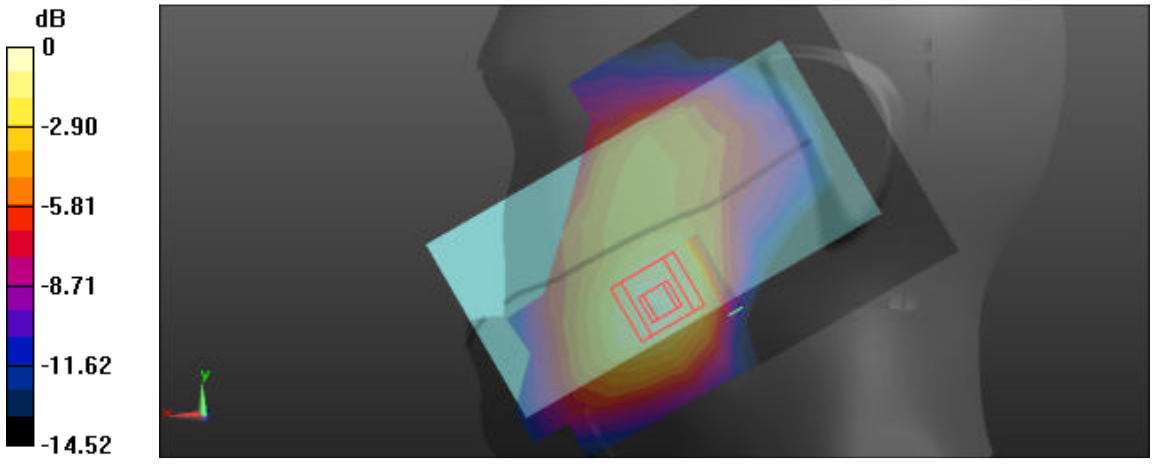
WCDMA Band 4

Left Side	Cheek

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1732.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.304 S/m; ε_r = 40.408; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.84, 7.84, 7.84); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL wcdma band4 Left/wcdma band4 HSL touch M/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.345 W/kg
  Head-Section HSL wcdma band4 Left/wcdma band4 HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 5.368 V/m; Power Drift = 0.17 dB
  Peak SAR (extrapolated) = 0.529 W/kg
  SAR(1 g) = 0.353 W/kg; SAR(10 g) = 0.230 W/kg
  Maximum value of SAR (measured) = 0.379 W/kg



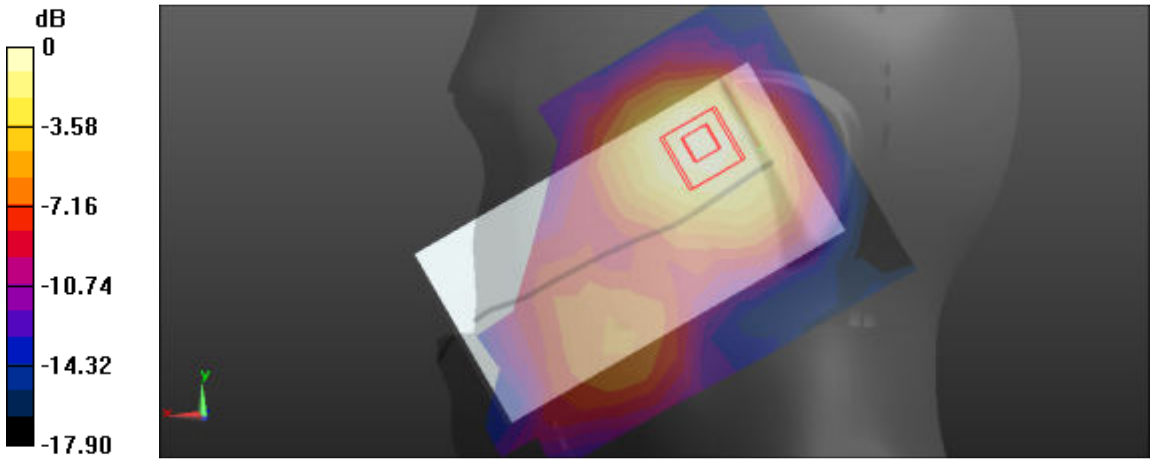
0 dB = 0.379 W/kg = -4.21 dBW/kg

Left Side	Tilt

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1732.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.304 S/m; ε_r = 40.408; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.84, 7.84, 7.84); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL wcdma band4 Left/wcdma band4 HSL tilt M/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.209 W/kg
  Head-Section HSL wcdma band4 Left/wcdma band4 HSL tilt M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 10.23 V/m; Power Drift = 0.02 dB
  Peak SAR (extrapolated) = 0.275 W/kg
  SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.133 W/kg
  Maximum value of SAR (measured) = 0.213 W/kg



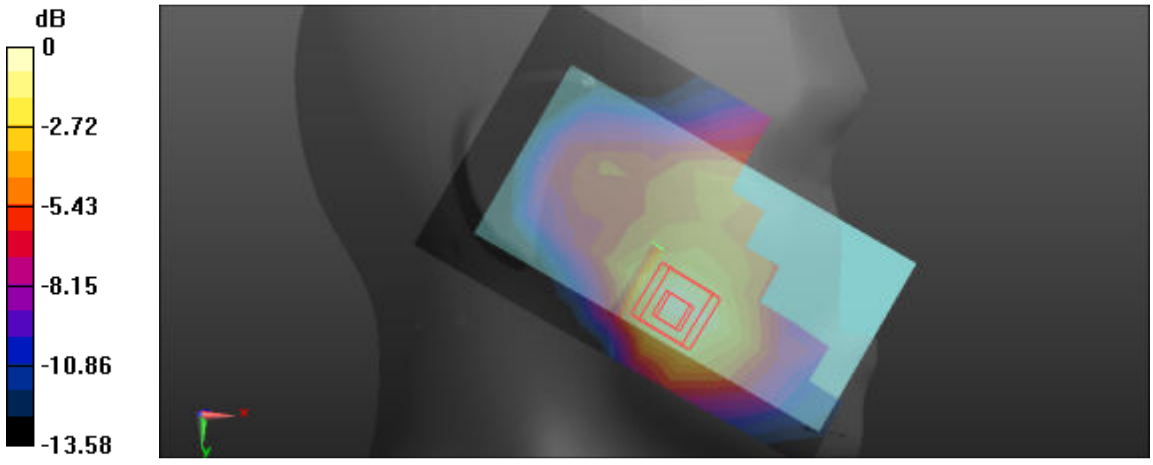
0 dB = 0.213 W/kg = -6.72 dBW/kg

Right Side	Cheek

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1732.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.304 S/m; ε_r = 40.408; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.84, 7.84, 7.84); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL wcdma band4 Right/wcdma band4 HSL touch M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.260 W/kg
  Head-Section HSL wcdma band4 Right/wcdma band4 HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 5.602 V/m; Power Drift = 0.07 dB
  Peak SAR (extrapolated) = 0.361 W/kg
  SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.157 W/kg
  Maximum value of SAR (measured) = 0.265 W/kg



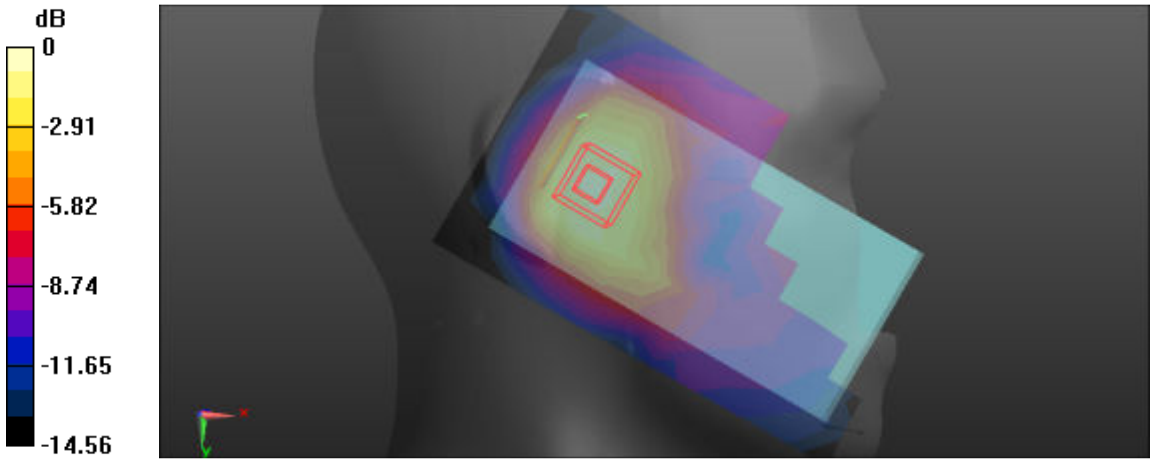
0 dB = 0.265 W/kg = -5.77 dBW/kg

Right Side	Tilt

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1732.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.304 S/m; ε_r = 40.408; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.84, 7.84, 7.84); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL wcdma band4 Right/wcdma band4 HSL tilt/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.168 W/kg
  Head-Section HSL wcdma band4 Right/wcdma band4 HSL tilt/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 9.780 V/m; Power Drift = -0.02 dB
  Peak SAR (extrapolated) = 0.250 W/kg
  SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.110 W/kg
  Maximum value of SAR (measured) = 0.184 W/kg



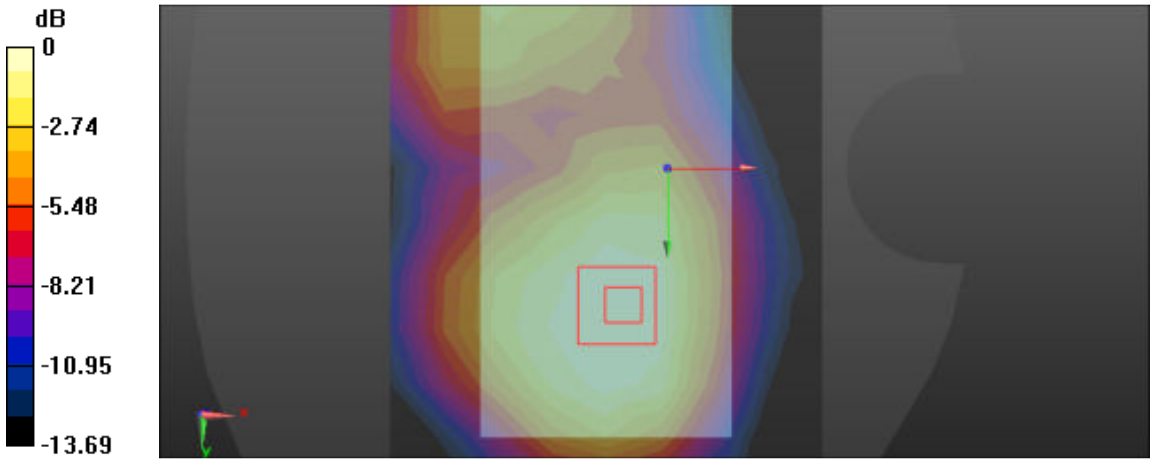
0 dB = 0.184 W/kg = -7.35 dBW/kg

FLAT(VIOCE)	Towards phantom

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1732.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.404 S/m; ε_r = 51.622; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band4 TG&TP/wcdma band4 TP voice M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.399 W/kg
  Flat-Section MSL wcdma band4 TG&TP/wcdma band4 TP voice M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 10.97 V/m; Power Drift = -0.19 dB
  Peak SAR (extrapolated) = 0.573 W/kg
  SAR(1 g) = 0.380 W/kg; SAR(10 g) = 0.251 W/kg
  Maximum value of SAR (measured) = 0.404 W/kg



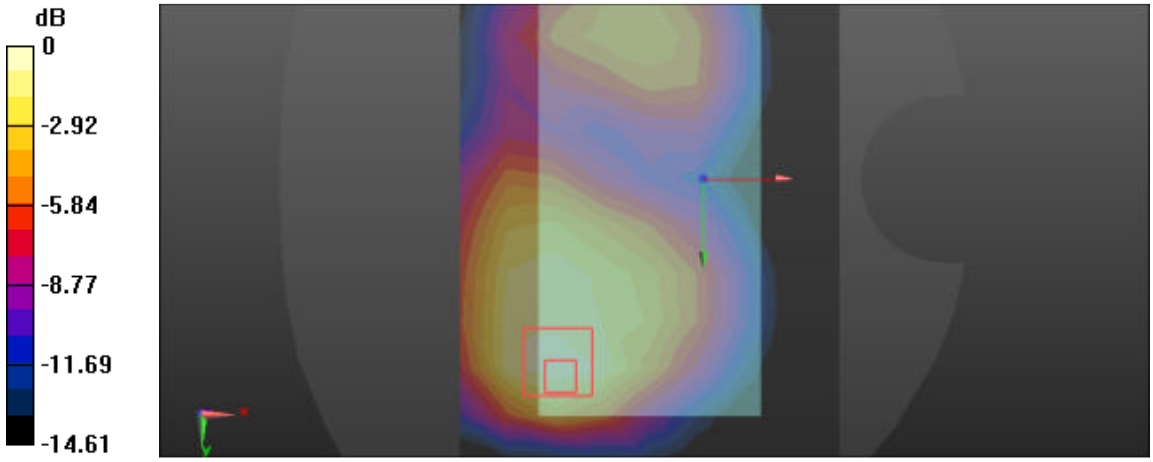
0 dB = 0.404 W/kg = -3.94 dBW/kg

FLAT(VIOCE)	Towards ground

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1732.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.404 S/m; ε_r = 51.622; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band4 TG&TP/wcdma band4 TG voice M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.725 W/kg
  Flat-Section MSL wcdma band4 TG&TP/wcdma band4 TG voice M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 6.566 V/m; Power Drift = 0.09 dB
  Peak SAR (extrapolated) = 1.14 W/kg
  SAR(1 g) = 0.662 W/kg; SAR(10 g) = 0.389 W/kg
  Maximum value of SAR (measured) = 0.730 W/kg



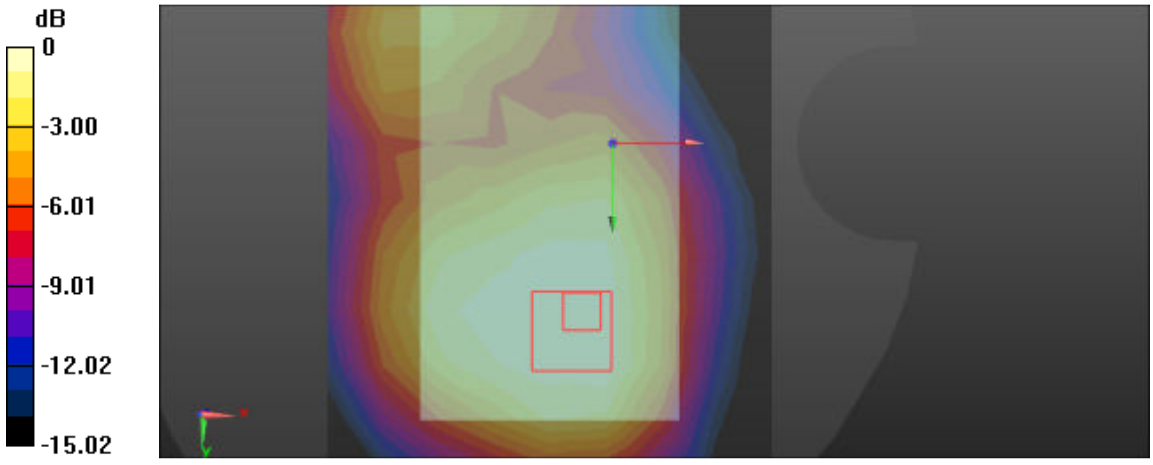
0 dB = 0.730 W/kg = -1.37 dBW/kg

FLAT(DATA)	Towards phantom

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1732.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.404 S/m; ε_r = 51.622; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band4 TG&TP/wcdma band4 TP DATA M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.413 W/kg
  Flat-Section MSL wcdma band4 TG&TP/wcdma band4 TP DATA M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 9.740 V/m; Power Drift = -0.05 dB
  Peak SAR (extrapolated) = 0.655 W/kg
  SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.264 W/kg
  Maximum value of SAR (measured) = 0.428 W/kg



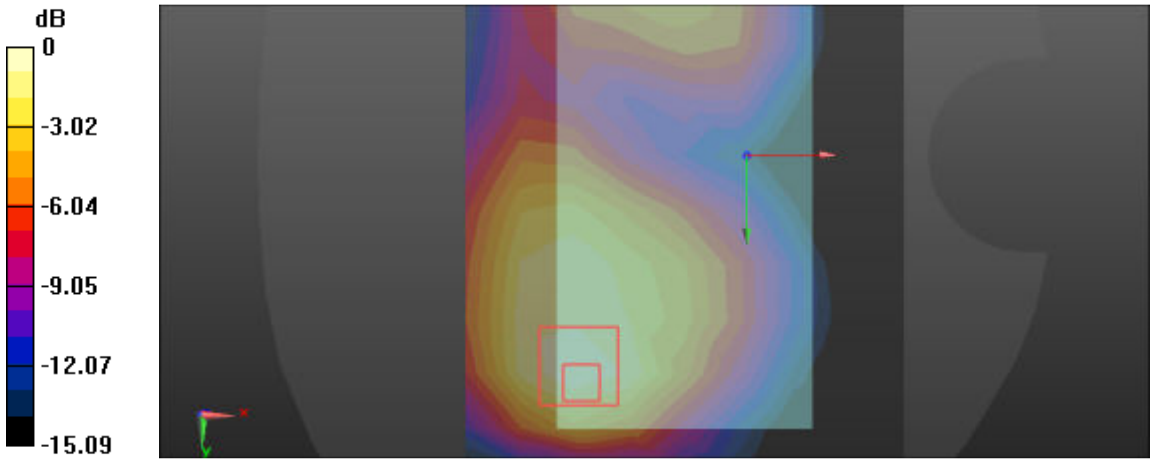
0 dB = 0.428 W/kg = -3.69 dBW/kg

FLAT(DATA)	Towards ground

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1732.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.404 S/m; ε_r = 51.622; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band4 TG&TP/wcdma band4 TG DATA M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.760 W/kg
  Flat-Section MSL wcdma band4 TG&TP/wcdma band4 TG DATA M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 6.521 V/m; Power Drift = 0.09 dB
  Peak SAR (extrapolated) = 1.19 W/kg
  SAR(1 g) = 0.702 W/kg; SAR(10 g) = 0.420 W/kg
  Maximum value of SAR (measured) = 0.768 W/kg



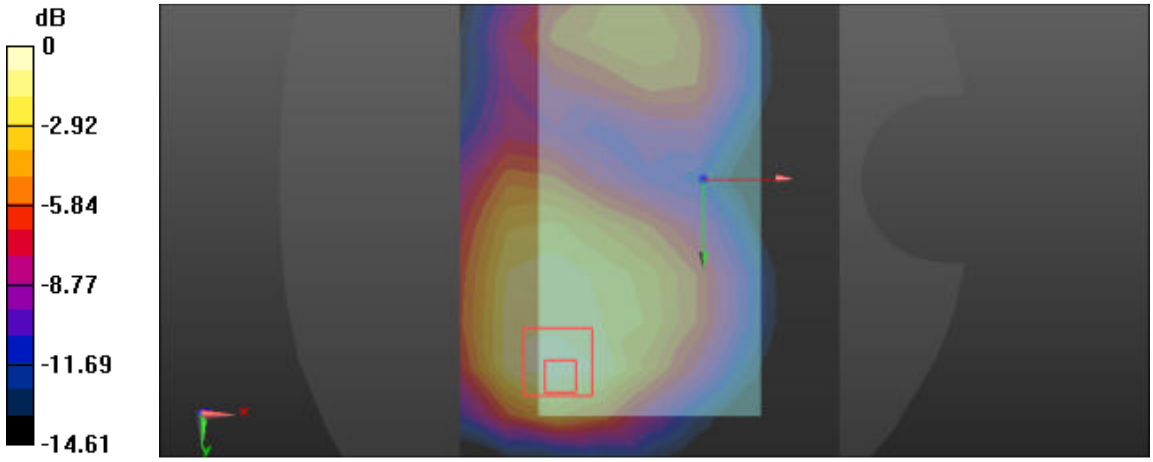
0 dB = 0.768 W/kg = -1.15 dBW/kg

FLAT(VIOCE)	Towards ground

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1732.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.404 S/m; ε_r = 51.622; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band4 TG&TP/wcdma band4 TG voice M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.641 W/kg
  Flat-Section MSL wcdma band4 TG&TP/wcdma band4 TG voice M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 7.364 V/m; Power Drift = 0.04 dB
  Peak SAR (extrapolated) = 1.03 W/kg
  SAR(1 g) = 0.611 W/kg; SAR(10 g) = 0.292 W/kg
  Maximum value of SAR (measured) = 0.613 W/kg



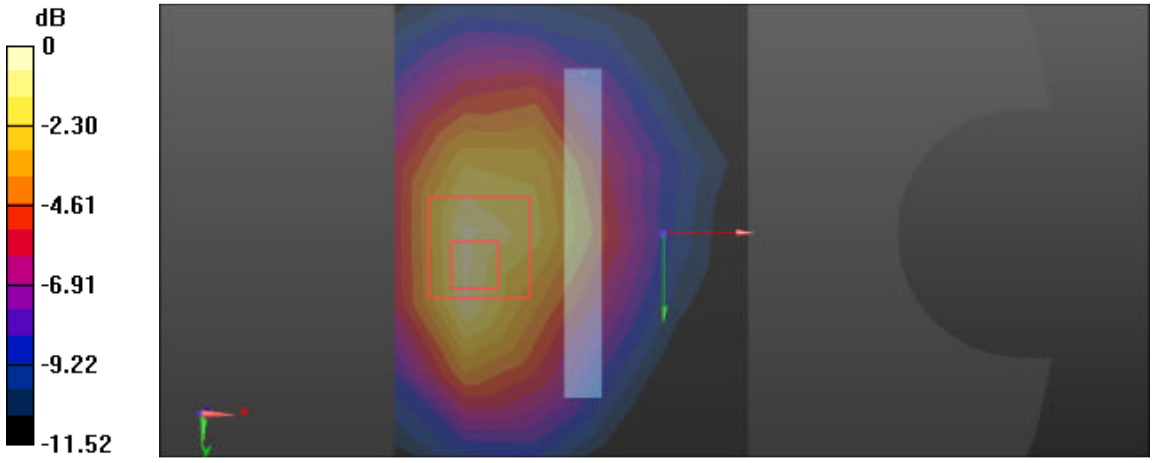
0 dB = 0.630 W/kg = -1.22 dBW/kg

FLAT	EDGE2

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1732.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.404 S/m; ε_r = 51.622; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band4 HOT/wcdma band4 10mm M edge 2/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.372 W/kg
  Flat-Section MSL wcdma band4 HOT/wcdma band4 10mm M edge 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 11.17 V/m; Power Drift = 0.18 dB
  Peak SAR (extrapolated) = 0.558 W/kg
  SAR(1 g) = 0.373 W/kg; SAR(10 g) = 0.232 W/kg
  Maximum value of SAR (measured) = 0.413 W/kg



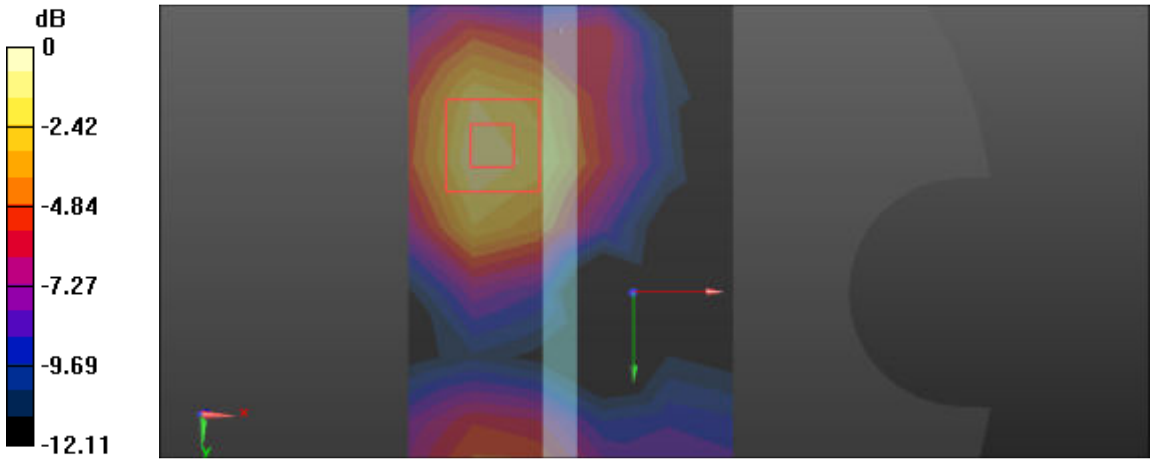
0 dB = 0.413 W/kg = -3.84 dBW/kg

FLAT	EDGE3

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1732.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.404 S/m; ε_r = 51.622; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band4 HOT/wcdma band4 10mm M edge 3/Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.124 W/kg
  Flat-Section MSL wcdma band4 HOT/wcdma band4 10mm M edge 3/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 3.861 V/m; Power Drift = -0.06 dB
  Peak SAR (extrapolated) = 0.206 W/kg
  SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.082 W/kg
  Maximum value of SAR (measured) = 0.147 W/kg



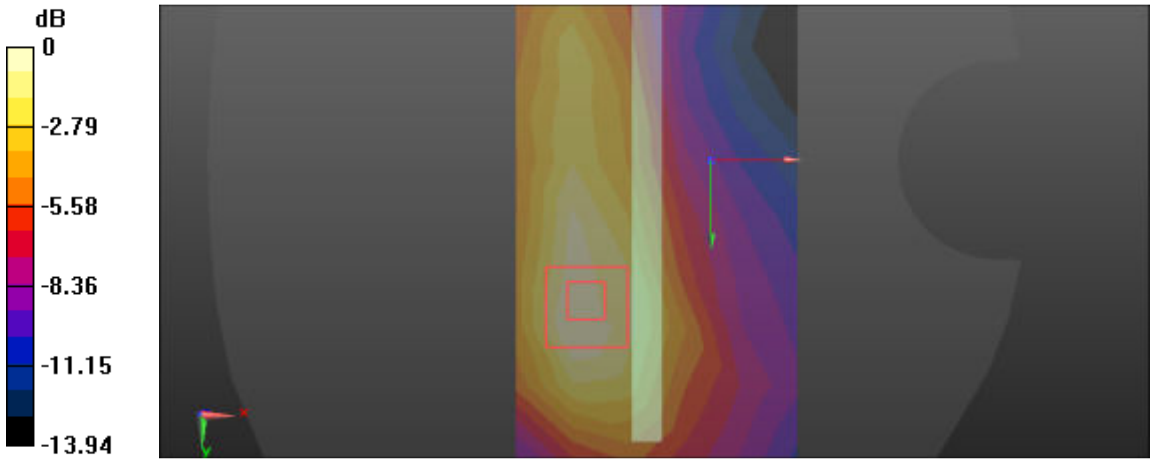
0 dB = 0.147 W/kg = -8.33 dBW/kg

FLAT	EDGE4

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1732.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.404 S/m; ε_r = 51.622; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band4 HOT/wcdma band4 10mm M edge 4/Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.226 W/kg
  Flat-Section MSL wcdma band4 HOT/wcdma band4 10mm M edge 4/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 6.757 V/m; Power Drift = 0.09 dB
  Peak SAR (extrapolated) = 0.323 W/kg
  SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.115 W/kg
  Maximum value of SAR (measured) = 0.207 W/kg



0 dB = 0.207 W/kg = -6.84 dBW/kg

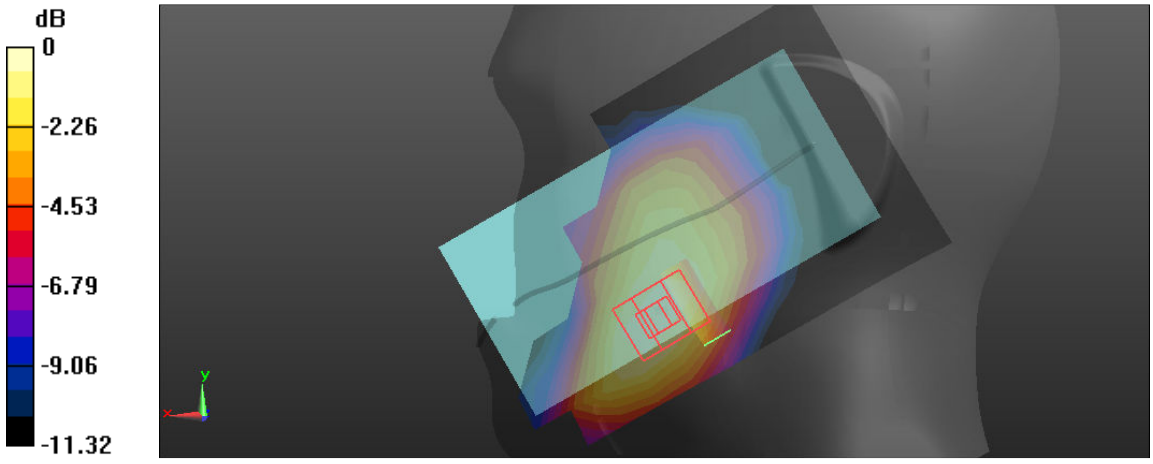
WCDMA Band 5

Left Side	Cheek

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.89 S/m; ε_r = 41.478; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(9.05, 9.05, 9.05); Calibrated: 2016/11/10;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1659; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL wcdma band5 Left/wcdma band5 HSL touch M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.150 W/kg
  Head-Section HSL wcdma band5 Left/wcdma band5 HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 2.322 V/m; Power Drift = -0.05 dB
  Peak SAR (extrapolated) = 0.180 W/kg
  SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.096 W/kg
  Maximum value of SAR (measured) = 0.152 W/kg



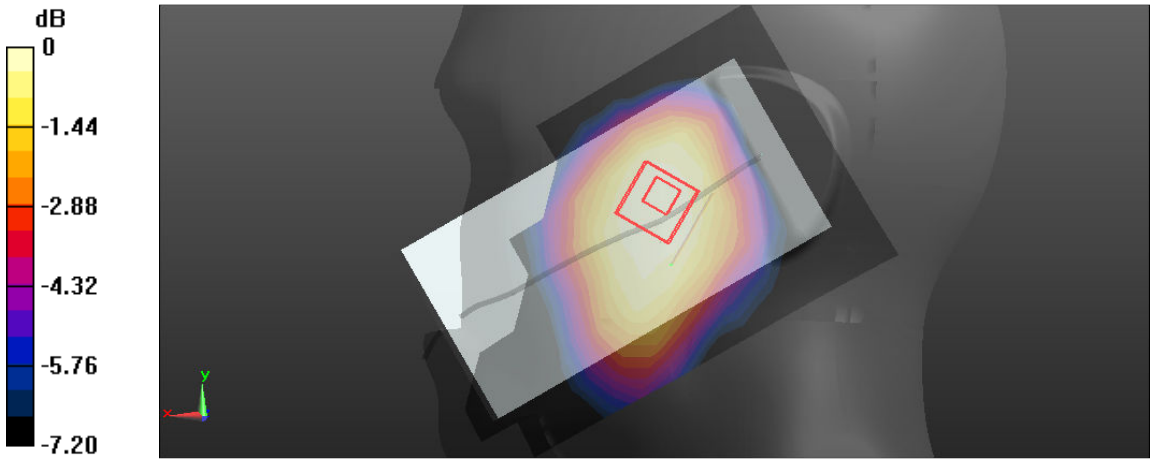
0 dB = 0.152 W/kg = -8.18 dBW/kg

Left Side	Tilt

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.89 S/m; ε_r = 41.478; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(9.05, 9.05, 9.05); Calibrated: 2016/11/10;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1659; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL wcdma band5 Left/wcdma band5 HSL tilt/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0711 W/kg
  Head-Section HSL wcdma band5 Left/wcdma band5 HSL tilt/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 4.678 V/m; Power Drift = 0.06 dB
  Peak SAR (extrapolated) = 0.0790 W/kg
  SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.052 W/kg
  Maximum value of SAR (measured) = 0.0696 W/kg



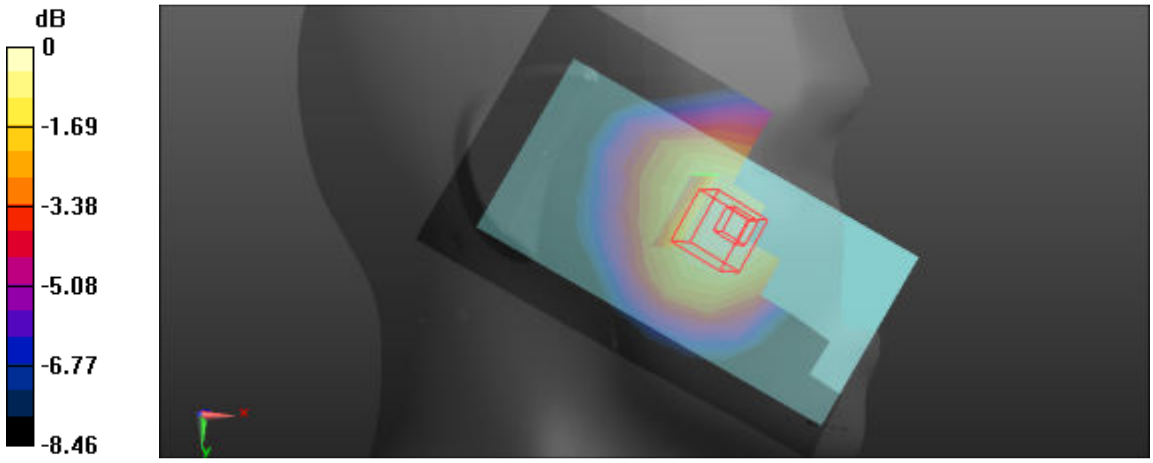
0 dB = 0.0696 W/kg = -11.57 dBW/kg

Right Side	Cheek

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.89 S/m; ε_r = 41.478; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(9.05, 9.05, 9.05); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1659; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL wcdma band5 Right/wcdma band5 HSL touch M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.142 W/kg
  Head-Section HSL wcdma band5 Right/wcdma band5 HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 3.727 V/m; Power Drift = -0.07 dB
  Peak SAR (extrapolated) = 0.176 W/kg
  SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.111 W/kg
  Maximum value of SAR (measured) = 0.148 W/kg



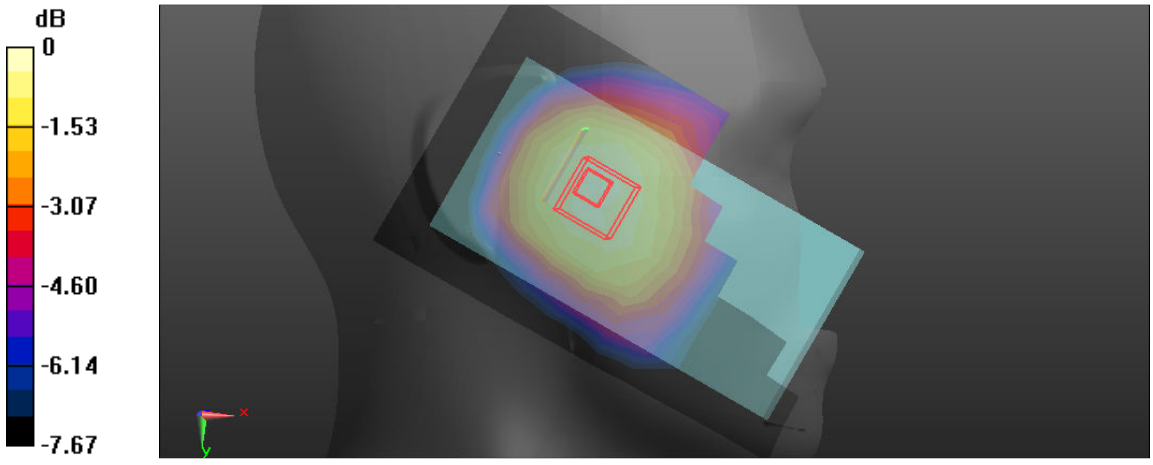
0 dB = 0.148 W/kg = -8.30 dBW/kg

Right Side	Tilt

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.89 S/m; ε_r = 41.478; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(9.05, 9.05, 9.05); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1659; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL wcdma band5 Right/wcdma band5 HSL tilt/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0989 W/kg
  Head-Section HSL wcdma band5 Right/wcdma band5 HSL tilt/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 6.516 V/m; Power Drift = 0.04 dB
  Peak SAR (extrapolated) = 0.120 W/kg
  SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.078 W/kg
  Maximum value of SAR (measured) = 0.102 W/kg



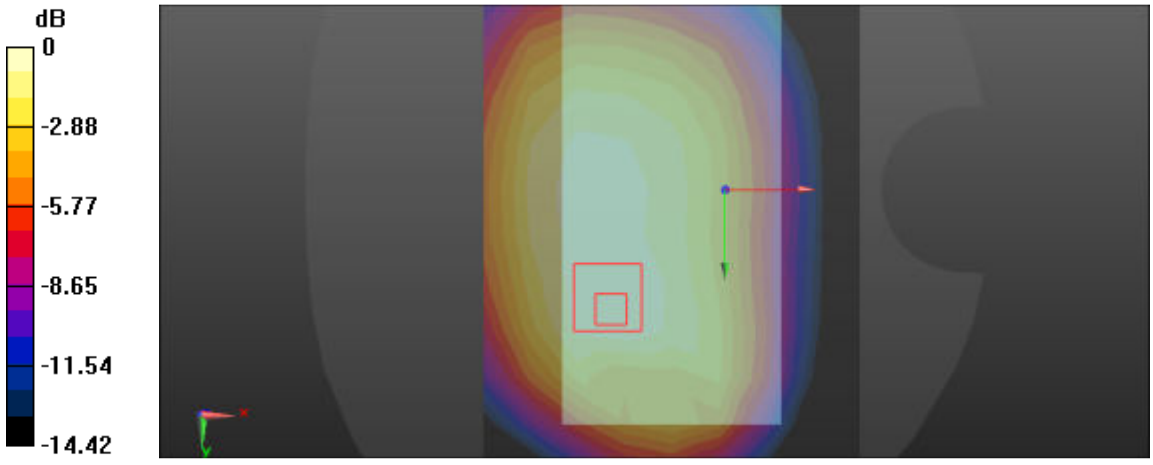
0 dB = 0.102 W/kg = -9.91 dBW/kg

FLAT(VIOCE)	Towards phantom

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.96 S/m; ε_r = 55.858; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(9.1, 9.1, 9.1); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1659; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band5 TG&TP/wcdma band5 TP voice M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.280 W/kg
  Flat-Section MSL wcdma band5 TG&TP/wcdma band5 TP voice M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 15.18 V/m; Power Drift = 0.06 dB
  Peak SAR (extrapolated) = 0.377 W/kg
  SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.205 W/kg
  Maximum value of SAR (measured) = 0.298 W/kg



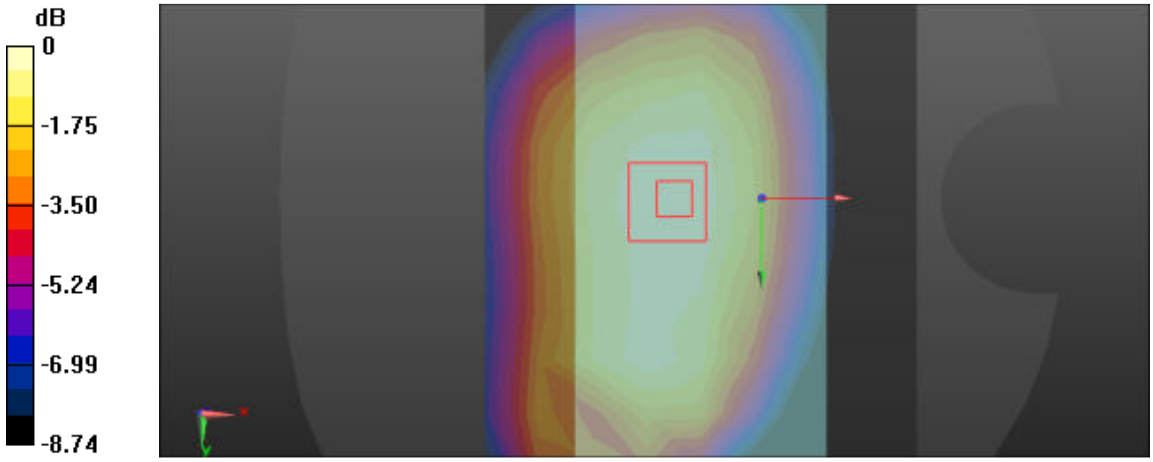
0 dB = 0.298 W/kg = -5.26 dBW/kg

FLAT(VIOCE)	Towards ground

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.96 S/m; ε_r = 55.858; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(9.1, 9.1, 9.1); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1659; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band5 TG&TP/wcdma band5 TG voice M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.346 W/kg
  Flat-Section MSL wcdma band5 TG&TP/wcdma band5 TG voice M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 19.03 V/m; Power Drift = -0.04 dB
  Peak SAR (extrapolated) = 0.437 W/kg
  SAR(1 g) = 0.336 W/kg; SAR(10 g) = 0.253 W/kg
  Maximum value of SAR (measured) = 0.352 W/kg



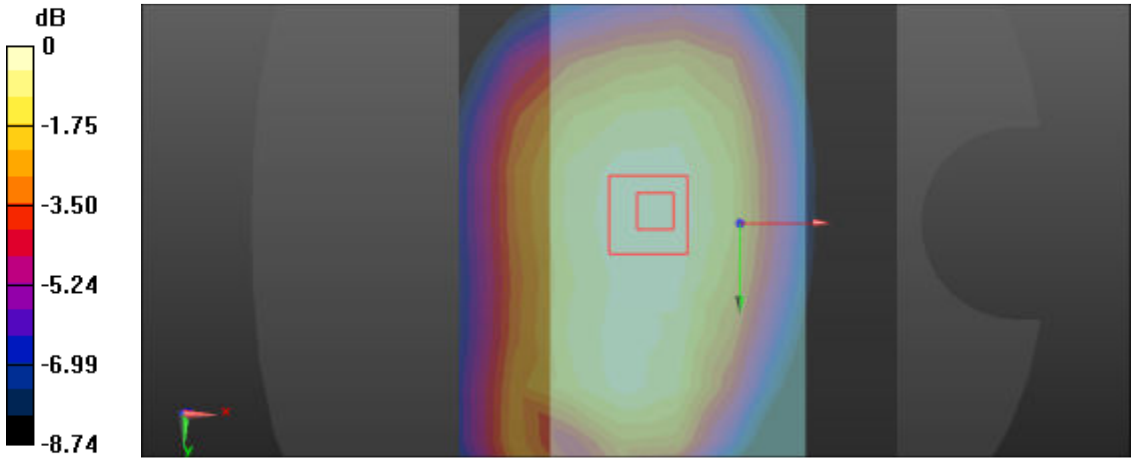
0 dB = 0.352 W/kg = -4.53 dBW/kg

FLAT(VIOCE)	Towards ground

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.96 S/m; ε_r = 55.858; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(9.1, 9.1, 9.1); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1659; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band5 TG&TP/wcdma band5 TG voice M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.237 W/kg
  Flat-Section MSL wcdma band5 TG&TP/wcdma band5 TG voice M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 18.13 V/m; Power Drift = -0.12 dB
  Peak SAR (extrapolated) = 0.347 W/kg
  SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.201 W/kg
  Maximum value of SAR (measured) = 0.234 W/kg



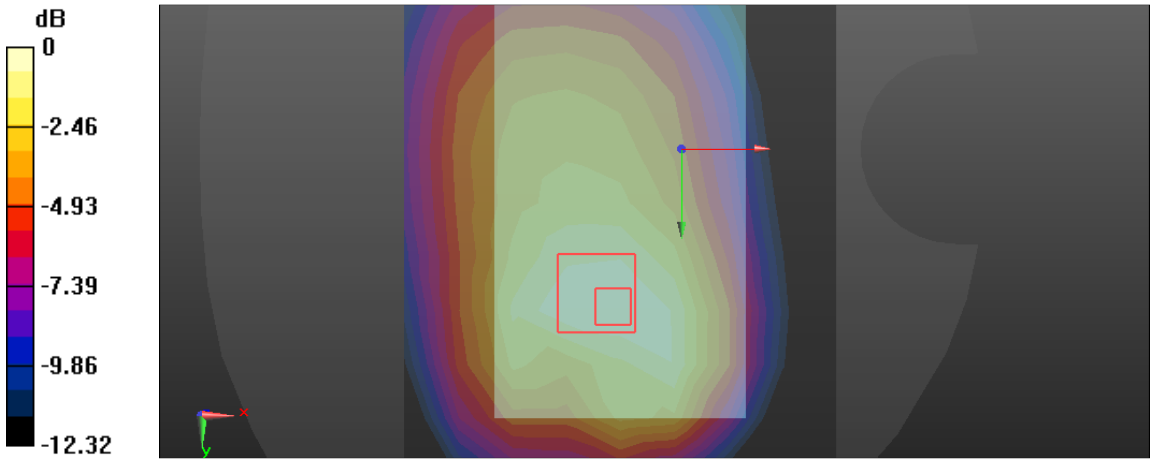
0 dB = 0.351 W/kg = -4.55 dBW/kg

FLAT(DATA)	Towards phantom

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.96 S/m; ε_r = 55.858; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(9.1, 9.1, 9.1); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1659; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band5 TG&TP/wcdma band5 TP DATA M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.358 W/kg
  Flat-Section MSL wcdma band5 TG&TP/wcdma band5 TP DATA M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 13.87 V/m; Power Drift = -0.07 dB
  Peak SAR (extrapolated) = 0.498 W/kg
  SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.223 W/kg
  Maximum value of SAR (measured) = 0.351 W/kg



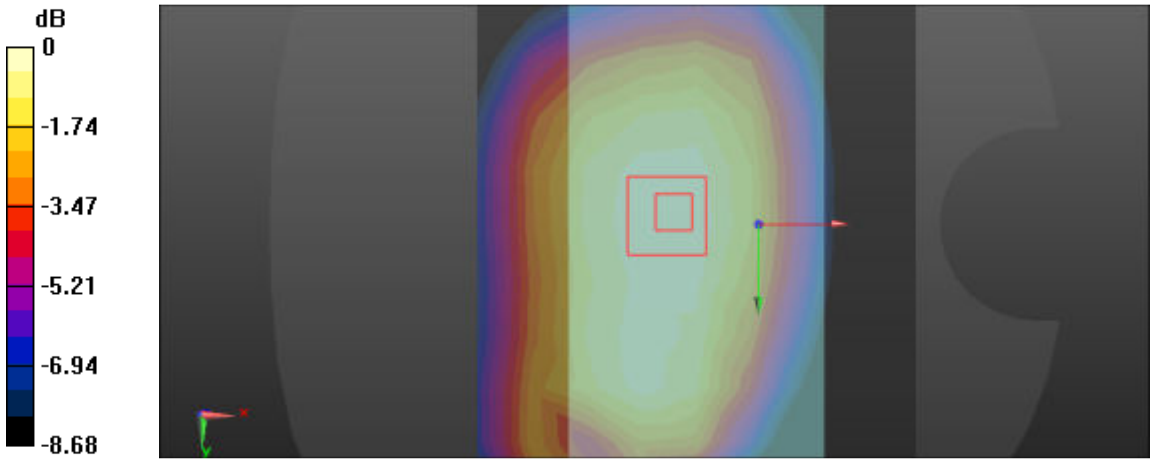
0 dB = 0.351 W/kg = -4.55 dBW/kg

FLAT(DATA)	Towards ground

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.96 S/m; ε_r = 55.858; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(9.1, 9.1, 9.1); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1659; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band5 TG&TP/wcdma band5 TG DATA M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.343 W/kg
  Flat-Section MSL wcdma band5 TG&TP/wcdma band5 TG DATA M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 18.96 V/m; Power Drift = 0.00 dB
  Peak SAR (extrapolated) = 0.435 W/kg
  SAR(1 g) = 0.335 W/kg; SAR(10 g) = 0.252 W/kg
  Maximum value of SAR (measured) = 0.351 W/kg



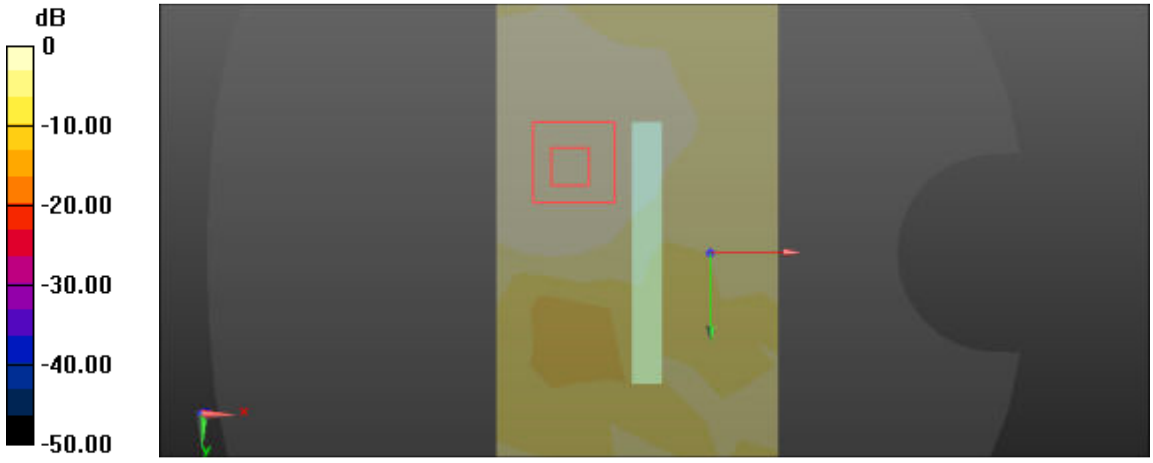
0 dB = 0.351 W/kg = -4.55 dBW/kg

FLAT	EDGE2

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.96 S/m; ε_r = 55.858; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(9.1, 9.1, 9.1); Calibrated: 2016/11/10;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1659; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band5 HOT/wcdma band5 10mm M edge 2/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0137 W/kg
  Flat-Section MSL wcdma band5 HOT/wcdma band5 10mm M edge 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 2.266 V/m; Power Drift = 0.08 dB
  Peak SAR (extrapolated) = 0.0230 W/kg
  SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00633 W/kg
  Maximum value of SAR (measured) = 0.0141 W/kg



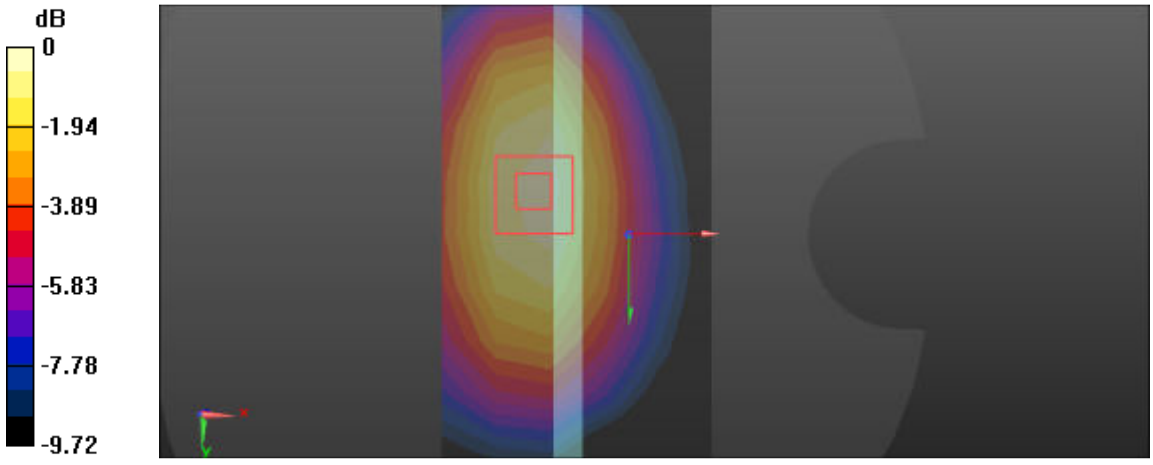
0 dB = 0.0141 W/kg = -18.51 dBW/kg

FLAT	EDGE3

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.96 S/m; ε_r = 55.858; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(9.1, 9.1, 9.1); Calibrated: 2016/11/10;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1659; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band5 HOT/wcdma band5 10mm M edge 3/Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.125 W/kg
  Flat-Section MSL wcdma band5 HOT/wcdma band5 10mm M edge 3/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 10.61 V/m; Power Drift = -0.00 dB
  Peak SAR (extrapolated) = 0.163 W/kg
  SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.079 W/kg
  Maximum value of SAR (measured) = 0.131 W/kg



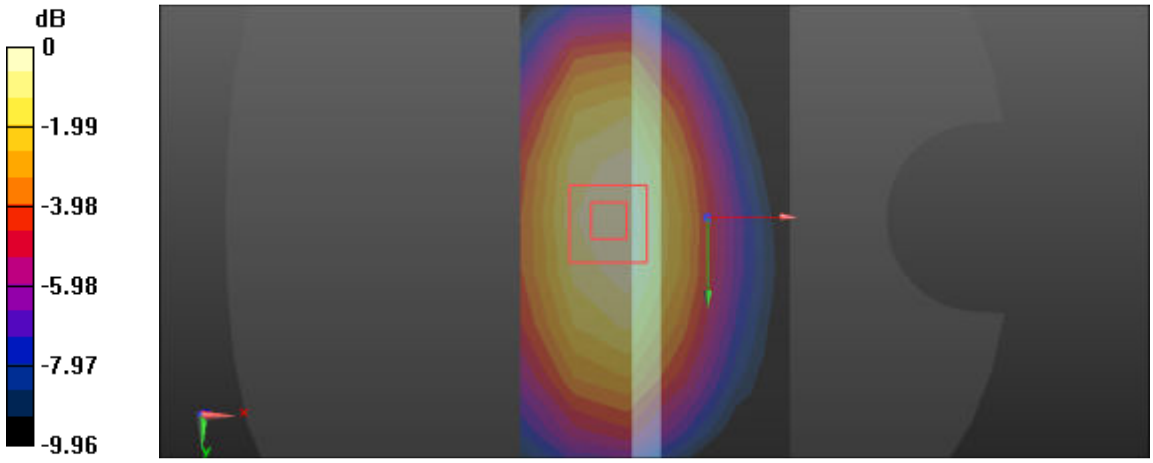
0 dB = 0.131 W/kg = -8.83 dBW/kg

FLAT	EDGE4

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.6 MHz;Duty Cycle: 1:1.95434
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.96 S/m; ε_r = 55.858; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(9.1, 9.1, 9.1); Calibrated: 2016/11/10;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: 1659; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL wcdma band5 HOT/wcdma band5 10mm M edge 4/Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.123 W/kg
  Flat-Section MSL wcdma band5 HOT/wcdma band5 10mm M edge 4/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 10.66 V/m; Power Drift = -0.17 dB
  Peak SAR (extrapolated) = 0.154 W/kg
  SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.074 W/kg



0 dB = 0.123 W/kg = -9.10 dBW/kg

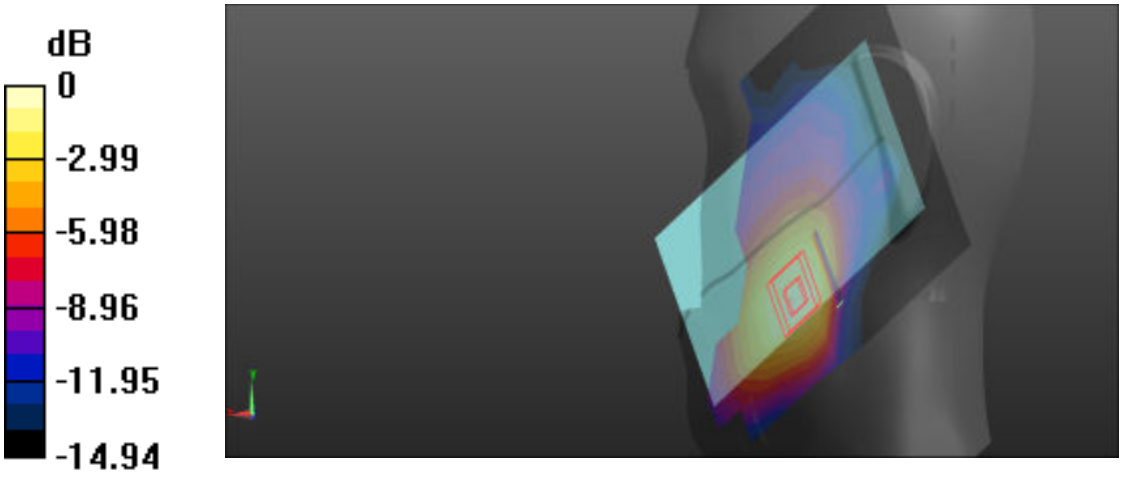
LTE (Band 2 20BW-1RB-Low/Head)

Left Side	Cheek

Communication System: UID 0, LTE band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.45 S/m; ε_r = 39.74; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.84, 7.84, 7.84); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL LTE band2 Left/LTE band2 20MHz 1RB Low HSL touch M/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.441 W/kg
  Head-Section HSL LTE band2 Left/LTE band2 20MHz 1RB Low HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 4.549 V/m; Power Drift = -0.00 dB
  Peak SAR (extrapolated) = 0.745 W/kg
  SAR(1 g) = 0.443 W/kg; SAR(10 g) = 0.261 W/kg
  Maximum value of SAR (measured) = 0.484 W/kg



0 dB = 0.484 W/kg = -3.15 dBW/kg

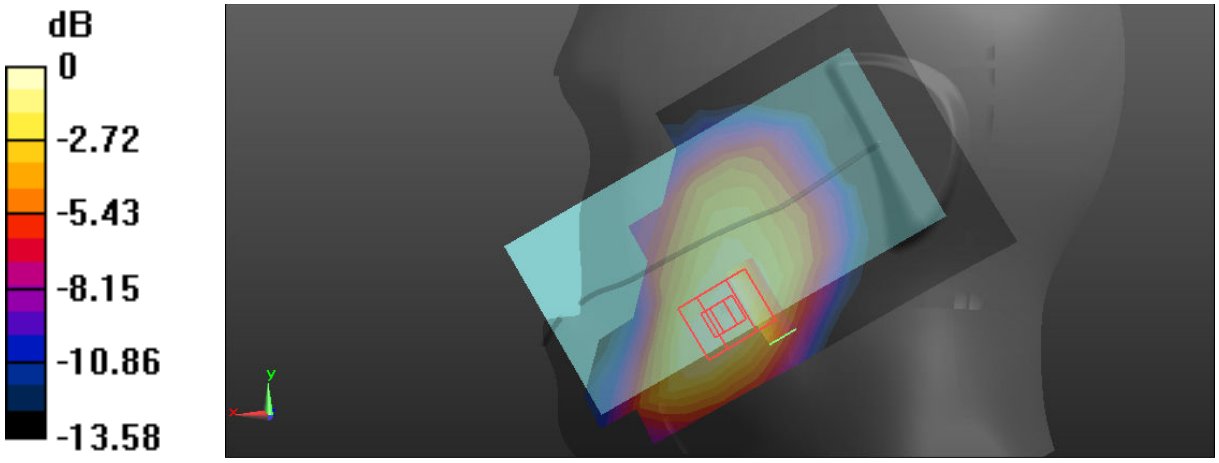
Left Side	Tilt

Communication System: UID 0, LTE band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.45 S/m; ε_r = 39.74; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.84, 7.84, 7.84); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL LTE band2 Left/LTE band2 20MHz 1RB Low HSL tilt M/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.115 W/kg

  Head-Section HSL LTE band2 Left/LTE band2 20MHz 1RB Low HSL tilt M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 8.223 V/m; Power Drift = 0.02 dB
  Peak SAR (extrapolated) = 0.163 W/kg
  SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.067 W/kg
  Maximum value of SAR (measured) = 0.116 W/kg



0 dB = 0.116 W/kg = -9.36 dBW/kg

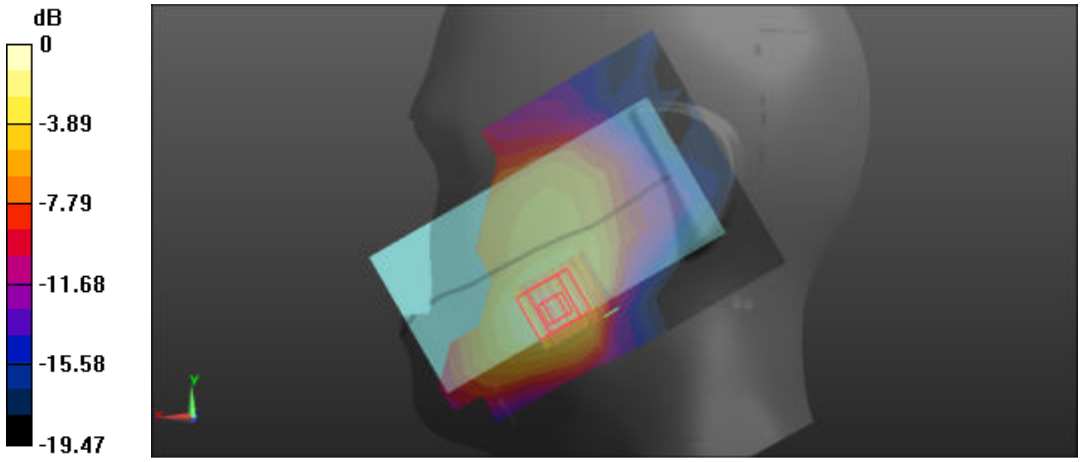
Right Side	Cheek

Communication System: UID 0, LTE band 02 (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1860 MHz; σ = 1.43 S/m; ε_r = 39.827; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.84, 7.84, 7.84); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Head-Section HSL LTE band2 Left/LTE band2 20MHz 1RB Low HSL touch L/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.334 W/kg
Head-Section HSL LTE band2 Left/LTE band2 20MHz 1RB Low HSL touch L/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.051 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.549 W/kg
SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.192 W/kg
Maximum value of SAR (measured) = 0.355 W/kg



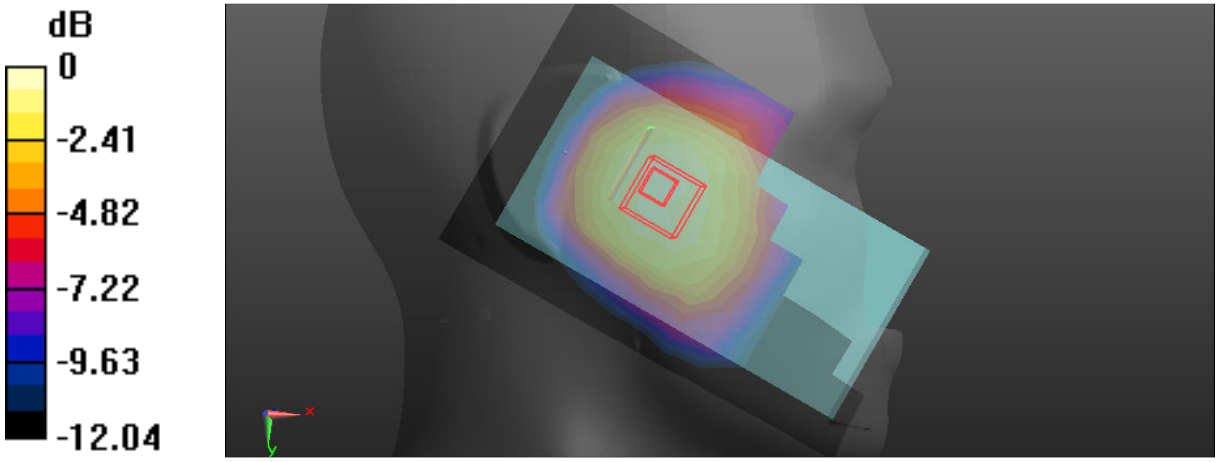
0 dB = 0.355 W/kg = -4.50 dBW/kg

Right Side	Cheek

Communication System: UID 0, LTE band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.45 S/m; ε_r = 39.74; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.84, 7.84, 7.84); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL LTE band2 Right/LTE band2 20MHz 1RB Low HSL touch M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.183 W/kg
  Head-Section HSL LTE band2 Right/LTE band2 20MHz 1RB Low HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 4.262 V/m; Power Drift = -0.05 dB
  Peak SAR (extrapolated) = 0.298 W/kg
  SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.119 W/kg
  Maximum value of SAR (measured) = 0.202 W/kg



0 dB = 0.202 W/kg = -6.95 dBW/kg

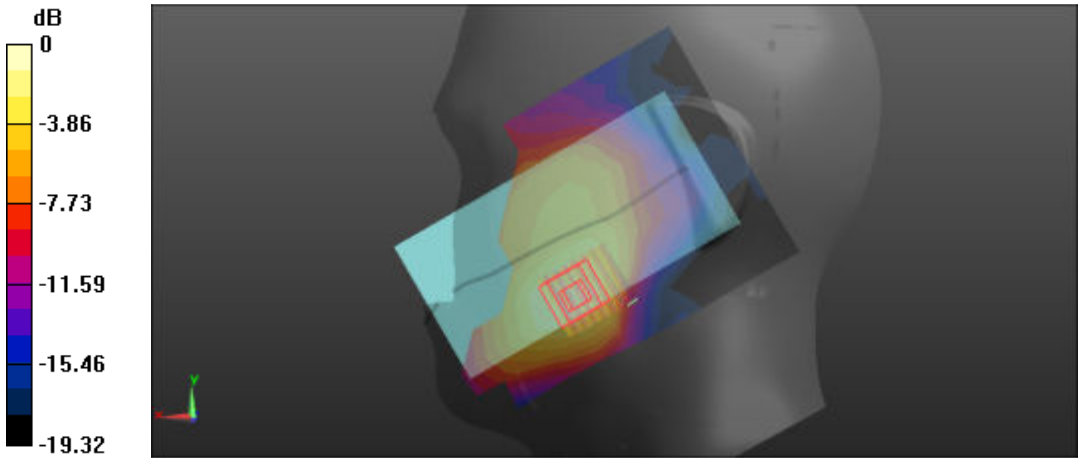
Right Side	Cheek

Communication System: UID 0, LTE band 02 (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.45 S/m; ε_r = 39.75; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.84, 7.84, 7.84); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Head-Section HSL LTE band2 Left/LTE band2 20MHz 1RB Low HSL touch H/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.345 W/kg
Head-Section HSL LTE band2 Left/LTE band2 20MHz 1RB Low HSL touch H/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.754 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.556 W/kg
SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.196 W/kg
Maximum value of SAR (measured) = 0.363 W/kg



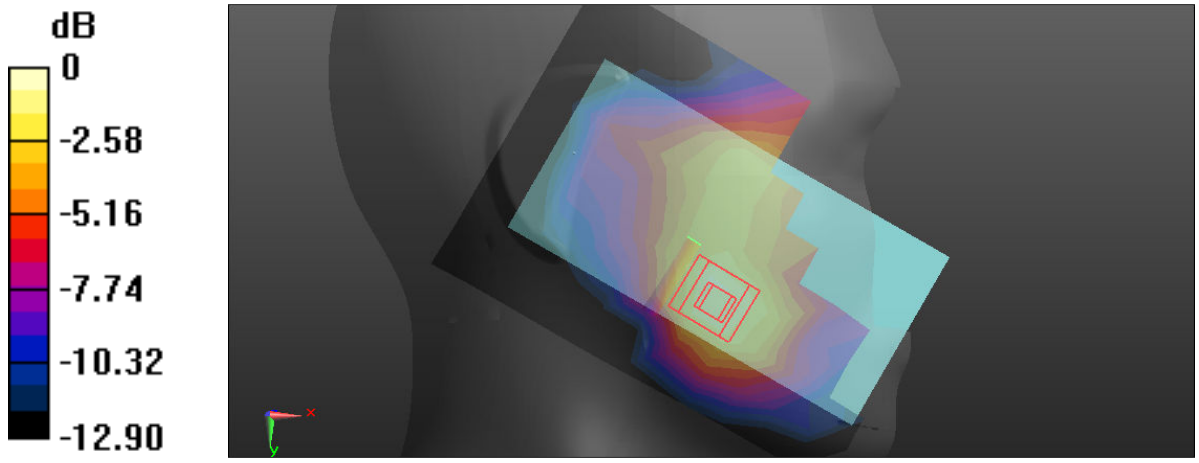
0 dB = 0.363 W/kg = -4.40 dBW/kg

Right Side	Tilt

Communication System: UID 0, LTE band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.45 S/m; ε_r = 39.74; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.84, 7.84, 7.84); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL LTE band2 Right/LTE band2 20MHz 1RB Low HSL tilt M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0827 W/kg
  Head-Section HSL LTE band2 Right/LTE band2 20MHz 1RB Low HSL tilt M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 6.792 V/m; Power Drift = -0.08 dB
  Peak SAR (extrapolated) = 0.117 W/kg
  SAR(1 g) = 0.075 W/kg; SAR(10 g) = 0.050 W/kg
  Maximum value of SAR (measured) = 0.0816 W/kg



0 dB = 0.0816 W/kg = -10.88 dBW/kg

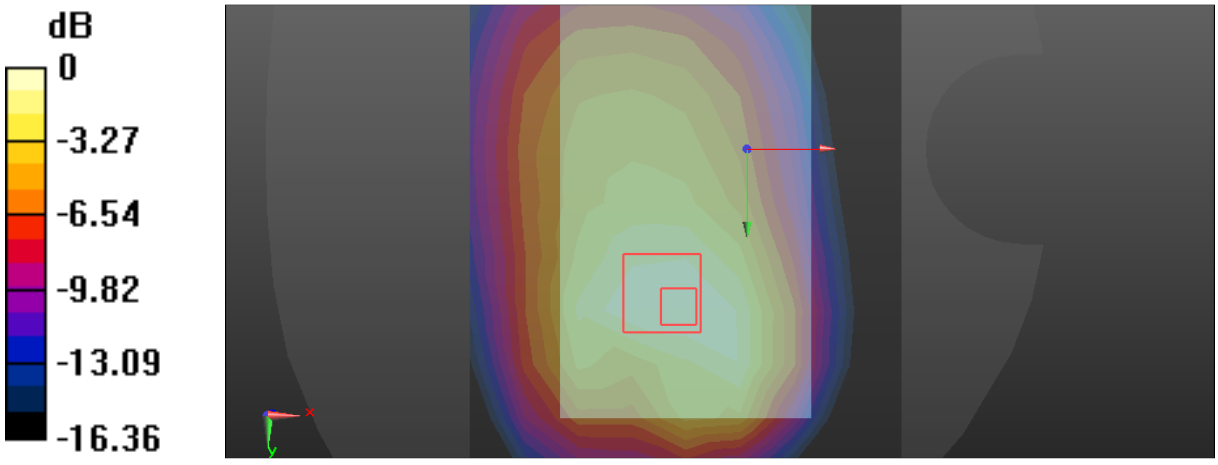
LTE (Band 2 20BW-1RB-Low/Flat)

FLAT	Towards phantom

Communication System: UID 0, LTE band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 S/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band2 TP/LTE band2 TP 20MHz 1RB M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.461 W/kg
  Flat-Section MSL LTE band2 TP/LTE band2 TP 20MHz 1RB M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 9.559 V/m; Power Drift = -0.03 dB
  Peak SAR (extrapolated) = 0.854 W/kg
  SAR(1 g) = 0.472 W/kg; SAR(10 g) = 0.275 W/kg
  Maximum value of SAR (measured) = 0.510 W/kg



0 dB = 0.510 W/kg = -2.92 dBW/kg

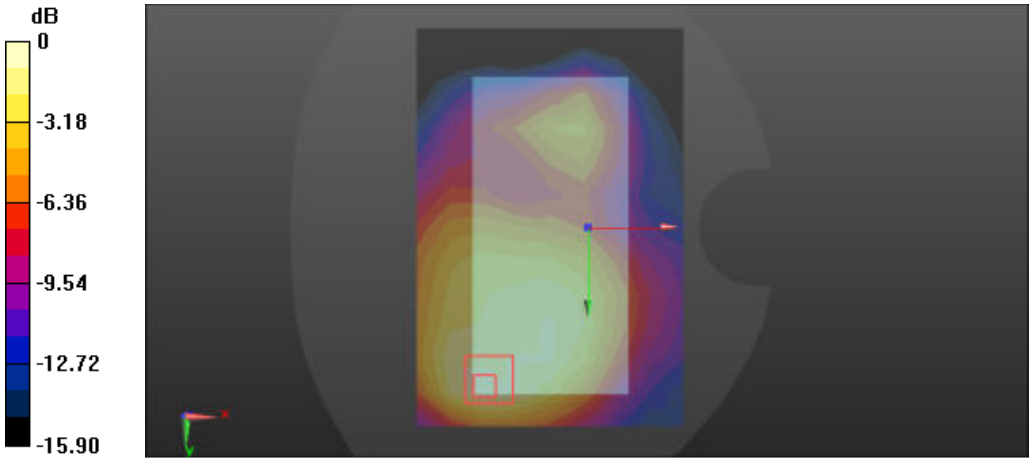
FLAT	Towards ground

Communication System: UID 0, LTE band 02 (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1860 MHz; σ = 1.543 S/m; ε_r = 51.207; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Flat-Section MSL LTE band2 TG/LTE band2 TG 20MHz 1RB L 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.746 W/kg
Flat-Section MSL LTE band2 TG/LTE band2 TG 20MHz 1RB L 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.78 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.708 W/kg; SAR(10 g) = 0.412 W/kg
Maximum value of SAR (measured) = 0.772 W/kg



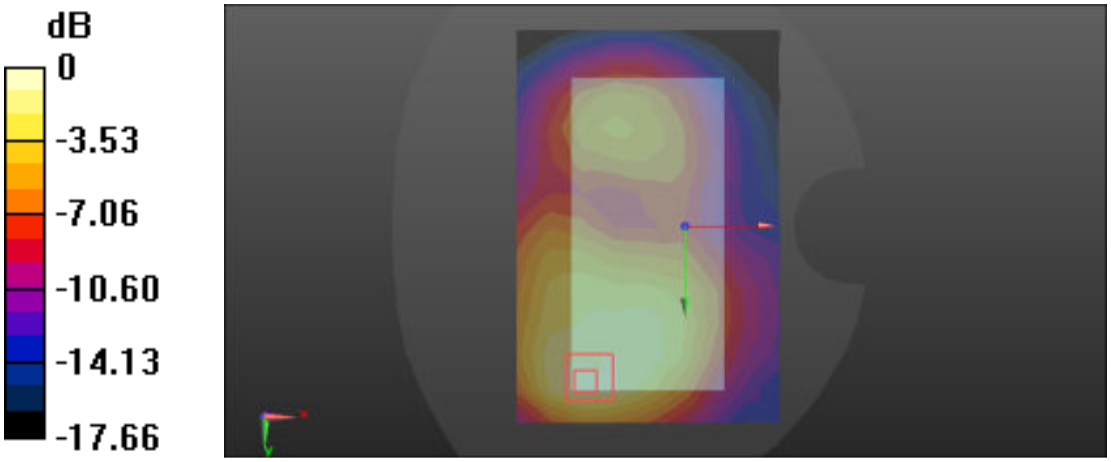
0 dB = 0.772 W/kg = -1.12 dBW/kg

FLAT	Towards ground

Communication System: UID 0, LTE band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 S/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band2 TG/LTE band2 TG 20MHz 1RB M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.869 W/kg
  Flat-Section MSL LTE band2 TG/LTE band2 TG 20MHz 1RB M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 6.879 V/m; Power Drift = 0.22 dB
  Peak SAR (extrapolated) = 1.50 W/kg
  SAR(1 g) = 0.795 W/kg; SAR(10 g) = 0.434 W/kg
  Maximum value of SAR (measured) = 0.881 W/kg



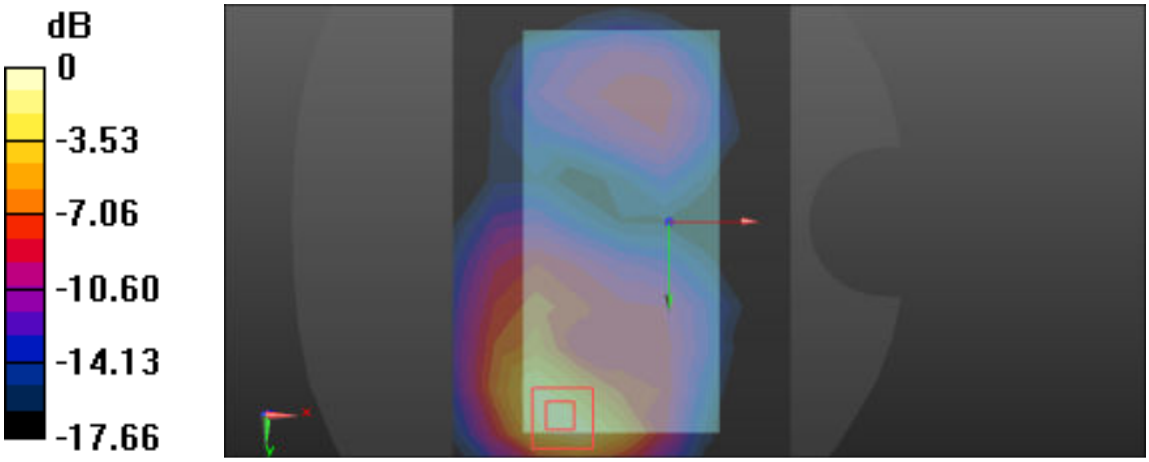
0 dB = 0.881 W/kg = -0.55 dBW/kg

FLAT	Towards ground

Communication System: UID 0, LTE band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 S/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band2 TG/LTE band2 TG 20MHz 1RB M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.763 W/kg
  Flat-Section MSL LTE band2 TG/LTE band2 TG 20MHz 1RB M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 6.243 V/m; Power Drift = 0.11 dB
  Peak SAR (extrapolated) = 1.50 W/kg
  SAR(1 g) = 0.678 W/kg; SAR(10 g) = 0.201 W/kg
  Maximum value of SAR (measured) = 0.782 W/kg



0 dB = 0.415 W/kg = -3.82 dBW/kg

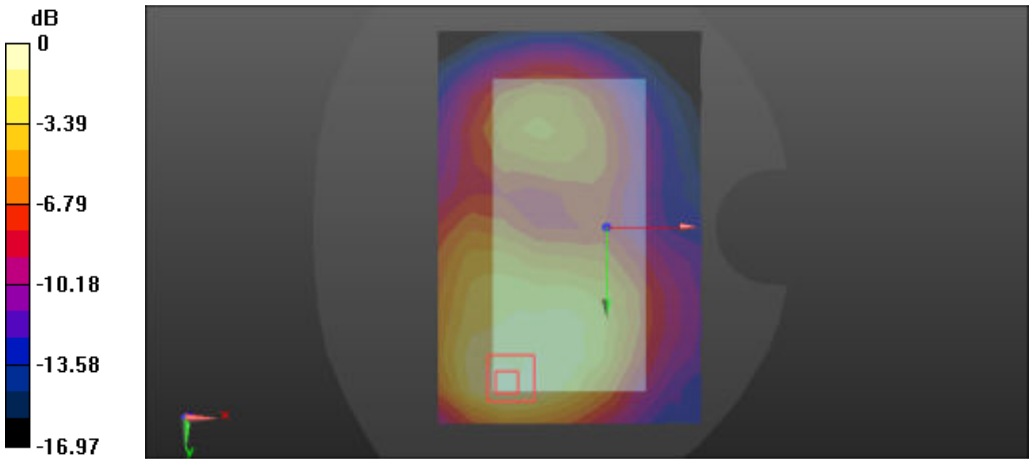
FLAT	Towards ground

Communication System: UID 0, LTE band 02 (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.57 S/m; ε_r = 51.05; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Flat-Section MSL LTE band2 TG/LTE band2 TG 20MHz 1RB H 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.807 W/kg
Flat-Section MSL LTE band2 TG/LTE band2 TG 20MHz 1RB H 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.316 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.33 W/kg
SAR(1 g) = 0.777 W/kg; SAR(10 g) = 0.450 W/kg
Maximum value of SAR (measured) = 0.854 W/kg



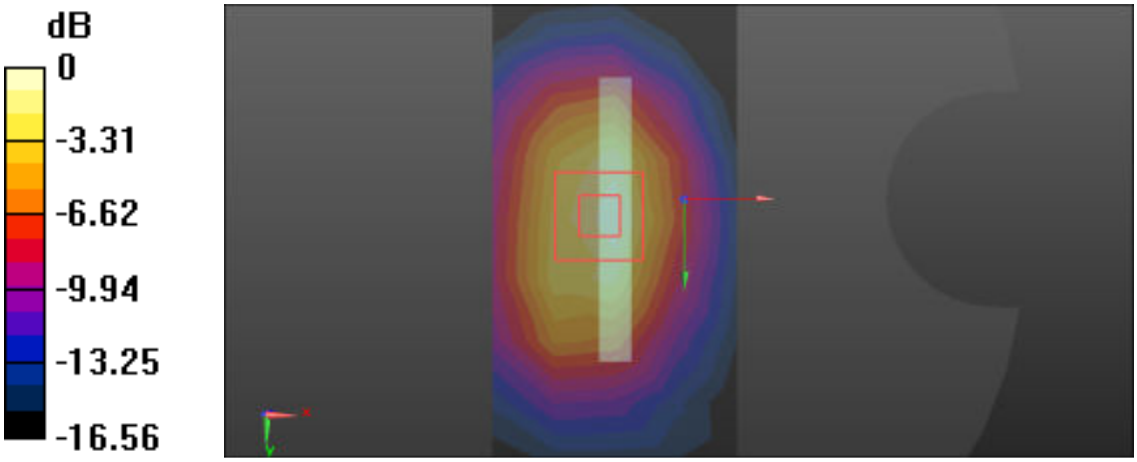
0 dB = 0.854 W/kg = -0.69 dBW/kg

FLAT	EDGE2

Communication System: UID 0, LTE band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 S/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band2 HOT/LTE band2 20MHz 1RB 10mm M edge 2/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.365 W/kg
  Flat-Section MSL LTE band2 HOT/LTE band2 20MHz 1RB 10mm M edge 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 12.53 V/m; Power Drift = 0.13 dB
  Peak SAR (extrapolated) = 0.665 W/kg
  SAR(1 g) = 0.378 W/kg; SAR(10 g) = 0.213 W/kg
  Maximum value of SAR (measured) = 0.415 W/kg



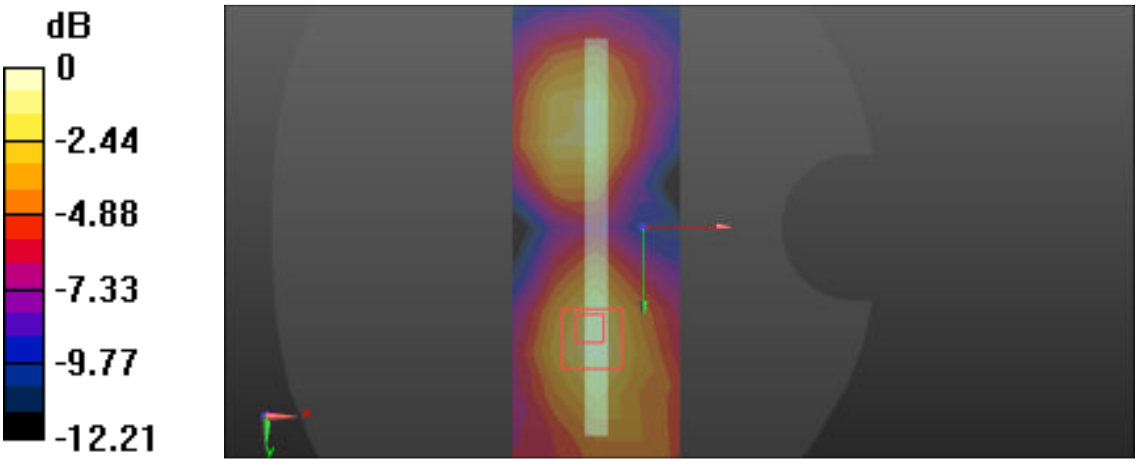
0 dB = 0.415 W/kg = -3.82 dBW/kg

FLAT	EDGE3

Communication System: UID 0, LTE band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 S/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band2 HOT/LTE band2 20MHz 1RB 10mmM edge 3/Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0436 W/kg
  Flat-Section MSL LTE band2 HOT/LTE band2 20MHz 1RB 10mmM edge 3/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 2.837 V/m; Power Drift = 0.05 dB
  Peak SAR (extrapolated) = 0.0710 W/kg
  SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.028 W/kg
  Maximum value of SAR (measured) = 0.0457 W/kg



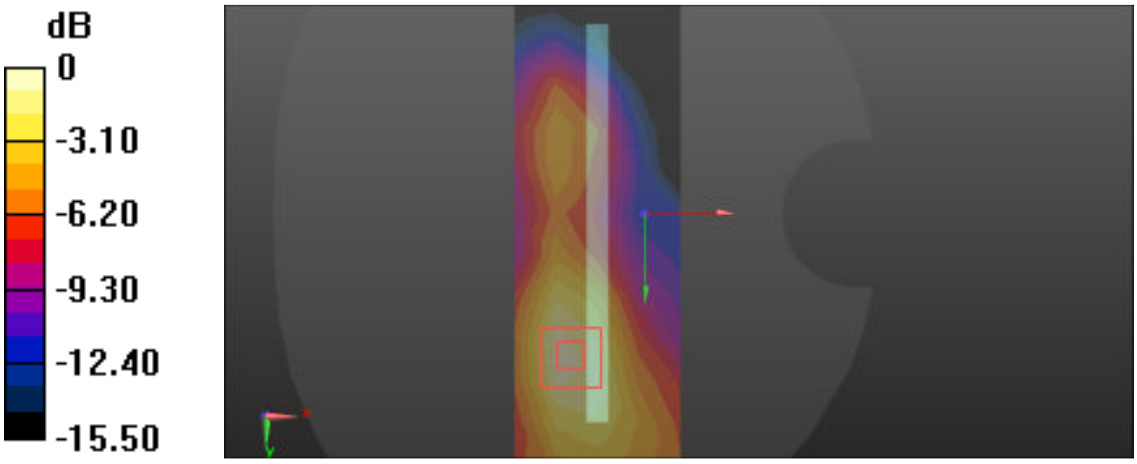
0 dB = 0.0457 W/kg = -13.40 dBW/kg

FLAT	EDGE4

Communication System: UID 0, LTE band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 S/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band2 HOT/LTE band2 20MHz 1RB 10mmM edge 4/Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.322 W/kg
  Flat-Section MSL LTE band2 HOT/LTE band2 20MHz 1RB 10mmM edge 4/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 10.50 V/m; Power Drift = 0.06 dB
  Peak SAR (extrapolated) = 0.511 W/kg
  SAR(1 g) = 0.301 W/kg; SAR(10 g) = 0.177 W/kg
  Maximum value of SAR (measured) = 0.327 W/kg



0 dB = 0.327 W/kg = -4.85 dBW/kg

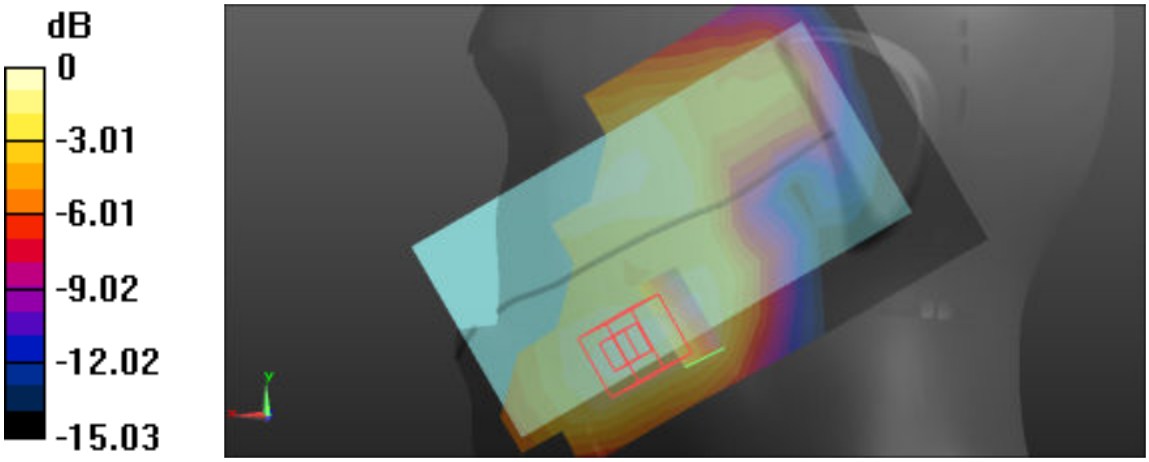
LTE (Band 2 20BW-50RB-Low/Head)

Left Side	Cheek

Communication System: UID 0, LTE band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.45 S/m; ε_r = 39.74; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.84, 7.84, 7.84); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL LTE band2 Left/LTE band2 20MHz 50RB Low HSL touch M/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.386 W/kg
  Head-Section HSL LTE band2 Left/LTE band2 20MHz 50RB Low HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 3.705 V/m; Power Drift = 0.09 dB
  Peak SAR (extrapolated) = 0.670 W/kg
  SAR(1 g) = 0.397 W/kg; SAR(10 g) = 0.233 W/kg
  Maximum value of SAR (measured) = 0.435 W/kg



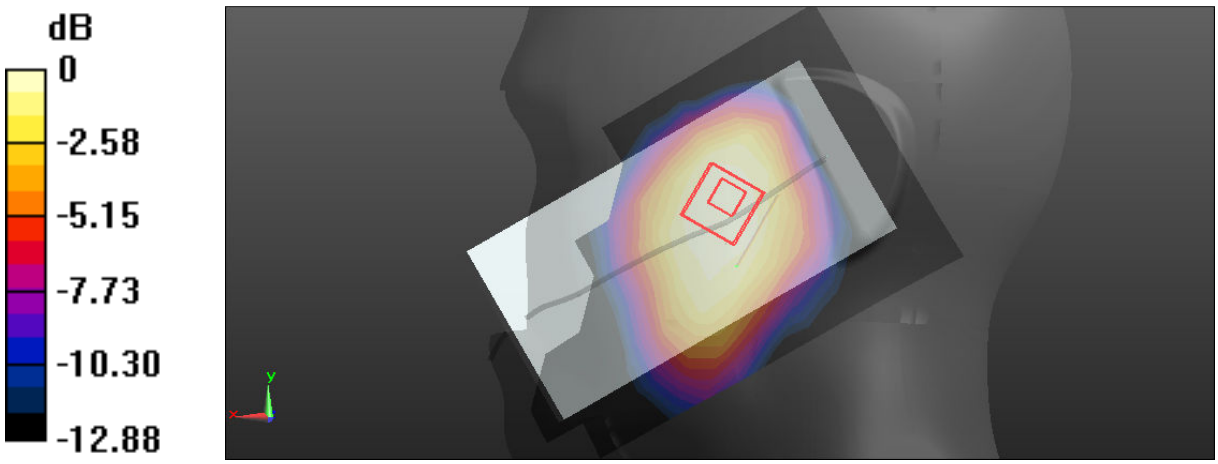
0 dB = 0.435 W/kg = -3.62 dBW/kg

Left Side	Tilt

Communication System: UID 0, LTE band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.45 S/m; ε_r = 39.74; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.84, 7.84, 7.84); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL LTE band2 Left/LTE band2 20MHz 50RB Low HSL tilt M/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0977 W/kg
  Head-Section HSL LTE band2 Left/LTE band2 20MHz 50RB Low HSL tilt M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 7.476 V/m; Power Drift = 0.00 dB
  Peak SAR (extrapolated) = 0.176 W/kg
  SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.058 W/kg
  Maximum value of SAR (measured) = 0.114 W/kg



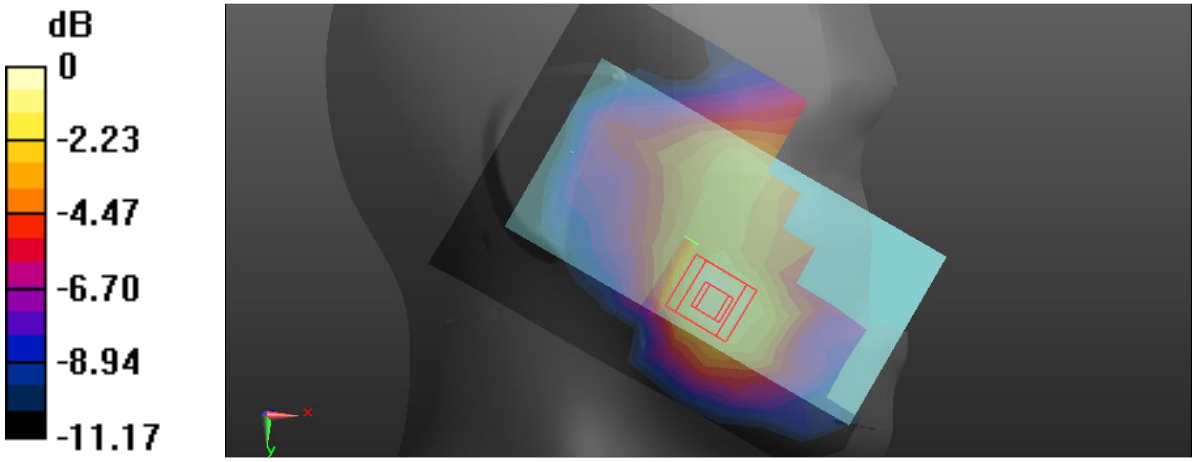
0 dB = 0.114 W/kg = -9.43 dBW/kg

Right Side	Cheek

Communication System: UID 0, LTE band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.45 S/m; ε_r = 39.74; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.84, 7.84, 7.84); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL LTE band2 Right/LTE band2 20MHz 50RB Low HSL touch M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.147 W/kg
  Head-Section HSL LTE band2 Right/LTE band2 20MHz 50RB Low HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 3.878 V/m; Power Drift = 0.02 dB
  Peak SAR (extrapolated) = 0.221 W/kg
  SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.094 W/kg
  Maximum value of SAR (measured) = 0.158 W/kg



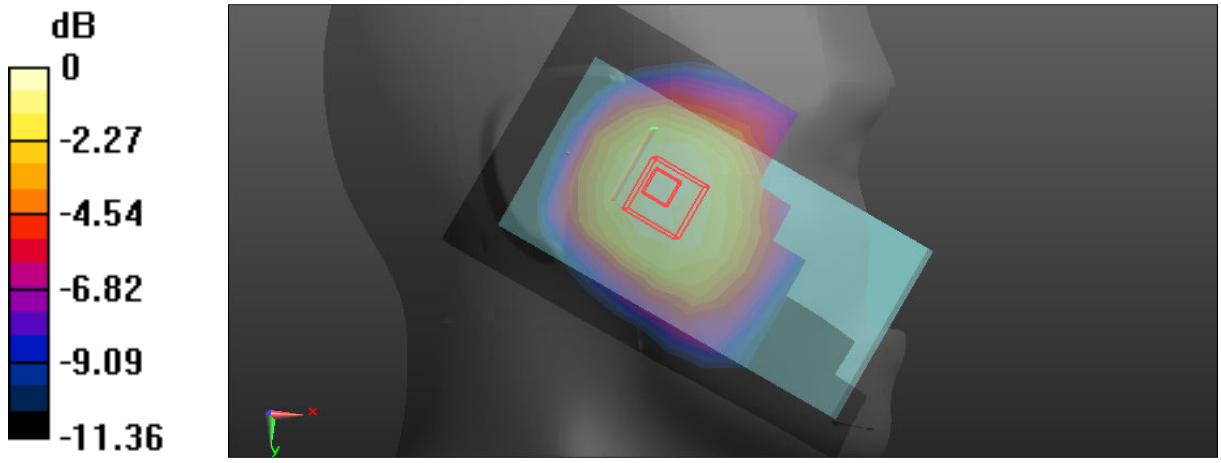
0 dB = 0.158 W/kg = -8.01 dBW/kg

Right Side	Tilt

Communication System: UID 0, LTE band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.45 S/m; ε_r = 39.74; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.84, 7.84, 7.84); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL LTE band2 Right/LTE band2 20MHz 50RB Low HSL tilt M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0714 W/kg
  Head-Section HSL LTE band2 Right/LTE band2 20MHz 50RB Low HSL tilt M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 6.151 V/m; Power Drift = -0.15 dB
  Peak SAR (extrapolated) = 0.109 W/kg
  SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.042 W/kg
  Maximum value of SAR (measured) = 0.0722 W/kg



0 dB = 0.0722 W/kg = -11.41 dBW/kg

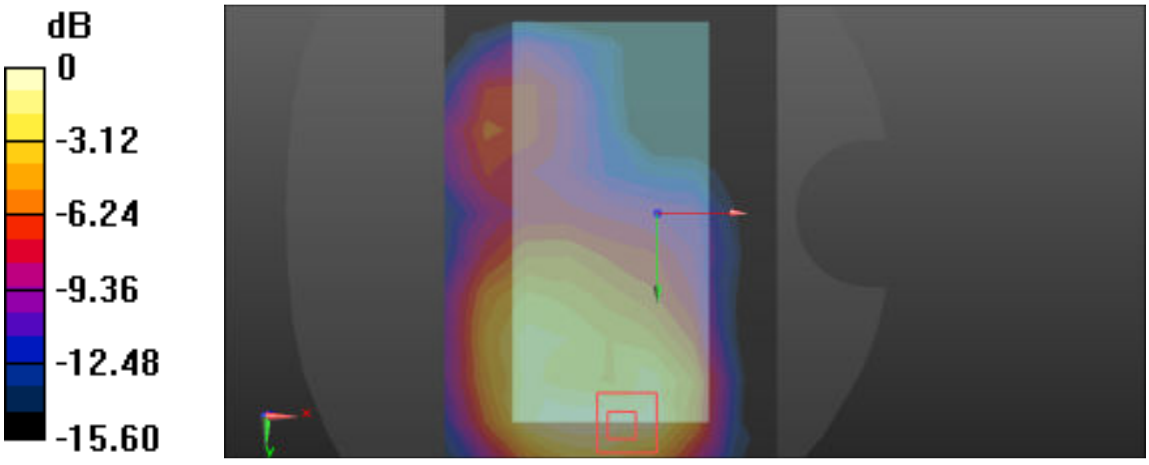
LTE (Band 2 20BW-50RB-Low/Flat)

FLAT	Towards phantom

Communication System: UID 0, LTE band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 S/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band2 TP/LTE band2 TP 20MHz 50RB M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.371 W/kg
  Flat-Section MSL LTE band2 TP/LTE band2 TP 20MHz 50RB M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 8.207 V/m; Power Drift = 0.07 dB
  Peak SAR (extrapolated) = 0.701 W/kg
  SAR(1 g) = 0.382 W/kg; SAR(10 g) = 0.224 W/kg
  Maximum value of SAR (measured) = 0.413 W/kg



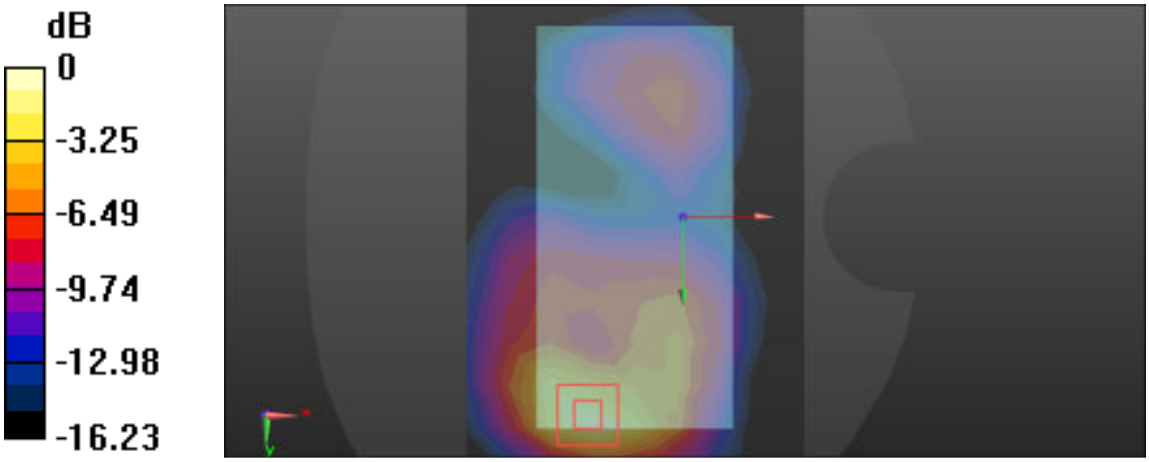
0 dB = 0.413 W/kg = -3.84 dBW/kg

FLAT	Towards ground

Communication System: UID 0, LTE band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.57 S/m; ε_r = 51.14; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.79, 7.79, 7.79); Calibrated: 2016/11/10;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2016/10/31
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band2 TG/LTE band2 TG 20MHz 50RB M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.706 W/kg
  Flat-Section MSL LTE band2 TG/LTE band2 TG 20MHz 50RB M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 6.182 V/m; Power Drift = -0.13 dB
  Peak SAR (extrapolated) = 1.22 W/kg
  SAR(1 g) = 0.646 W/kg; SAR(10 g) = 0.352 W/kg
  Maximum value of SAR (measured) = 0.712 W/kg



0 dB = 0.712 W/kg = -1.48 dBW/kg

LTE (Band 4 20BW-1RB-Low/Head)

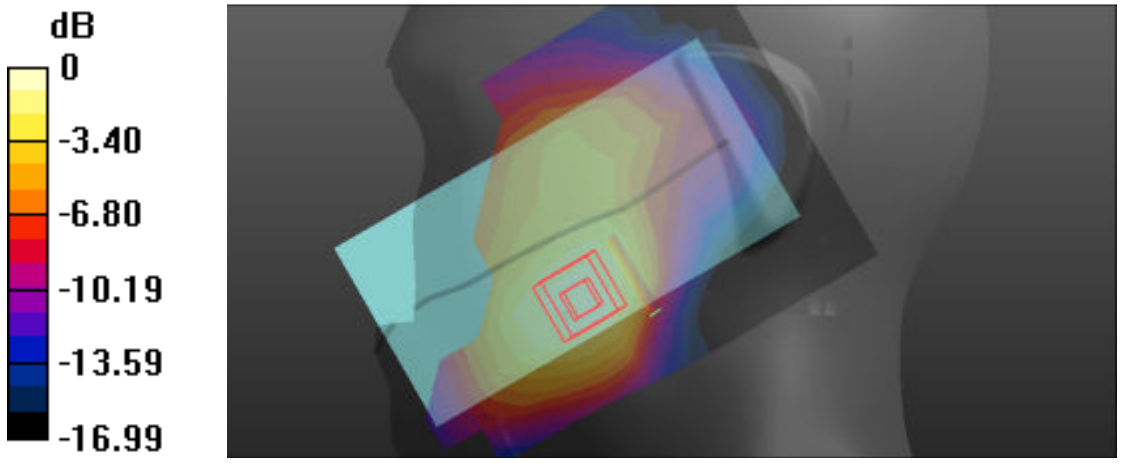
Left Side	Cheek

Communication System: UID 0, LTE band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.304 S/m; ε_r = 40.408; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(5.15, 5.15, 5.15); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Head-Section HSL LTE band4 Left/LTE band4 20MHz 1RB Low HSL touch M/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.320 W/kg
Head-Section HSL LTE band4 Left/LTE band4 20MHz 1RB Low HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.913 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.546 W/kg
SAR(1 g) = 0.343 W/kg; SAR(10 g) = 0.212 W/kg
Maximum value of SAR (measured) = 0.375 W/kg



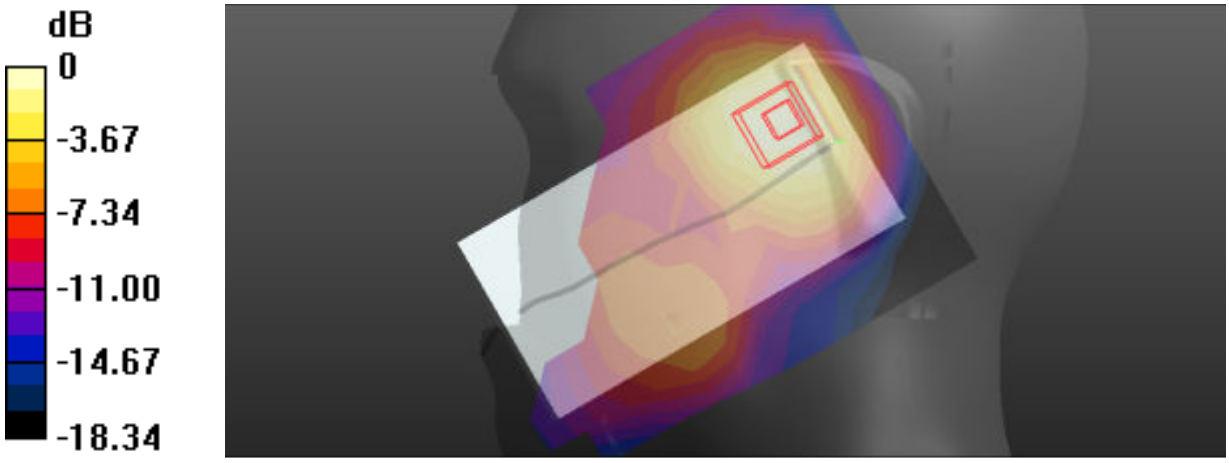
0 dB = 0.375 W/kg = -4.26 dBW/kg

Left Side	Tilt

Communication System: UID 0, LTE band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.304 S/m; ε_r = 40.408; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(5.15, 5.15, 5.15); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL LTE band4 Left/LTE band4 20MHz 1RB Low HSL tilt M/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.181 W/kg
  Head-Section HSL LTE band4 Left/LTE band4 20MHz 1RB Low HSL tilt M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 10.29 V/m; Power Drift = -0.11 dB
  Peak SAR (extrapolated) = 0.273 W/kg
  SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.105 W/kg
  Maximum value of SAR (measured) = 0.186 W/kg



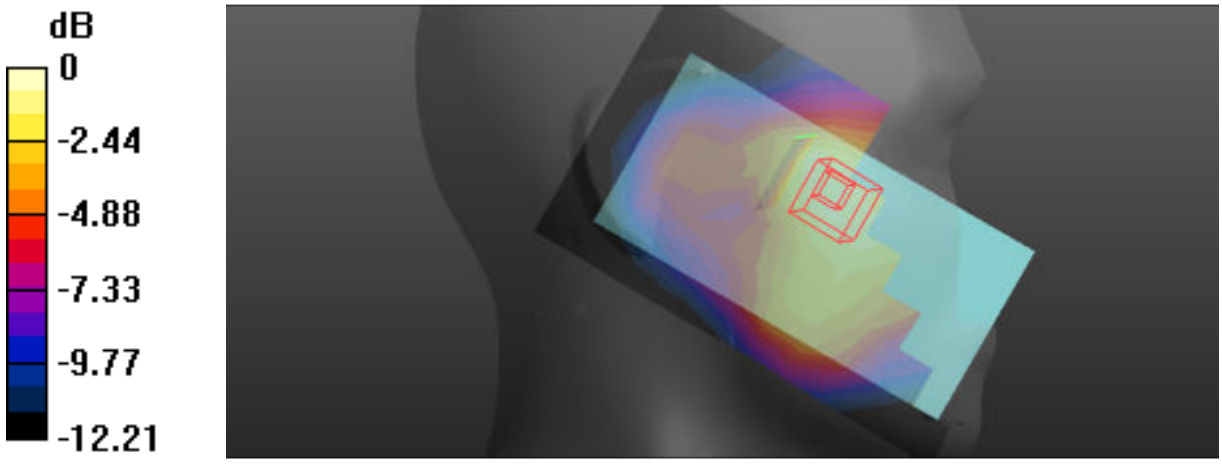
0 dB = 0.186 W/kg = -7.30 dBW/kg

Right Side	Cheek

Communication System: UID 0, LTE band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.304 S/m; ε_r = 40.408; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(5.15, 5.15, 5.15); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL LTE band4 Right/LTE band4 20MHz 1RB Low HSL touch M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.162 W/kg
  Head-Section HSL LTE band4 Right/LTE band4 20MHz 1RB Low HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 6.115 V/m; Power Drift = 0.05 dB
  Peak SAR (extrapolated) = 0.266 W/kg
  SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.108 W/kg
  Maximum value of SAR (measured) = 0.187 W/kg



0 dB = 0.187 W/kg = -7.28 dBW/kg

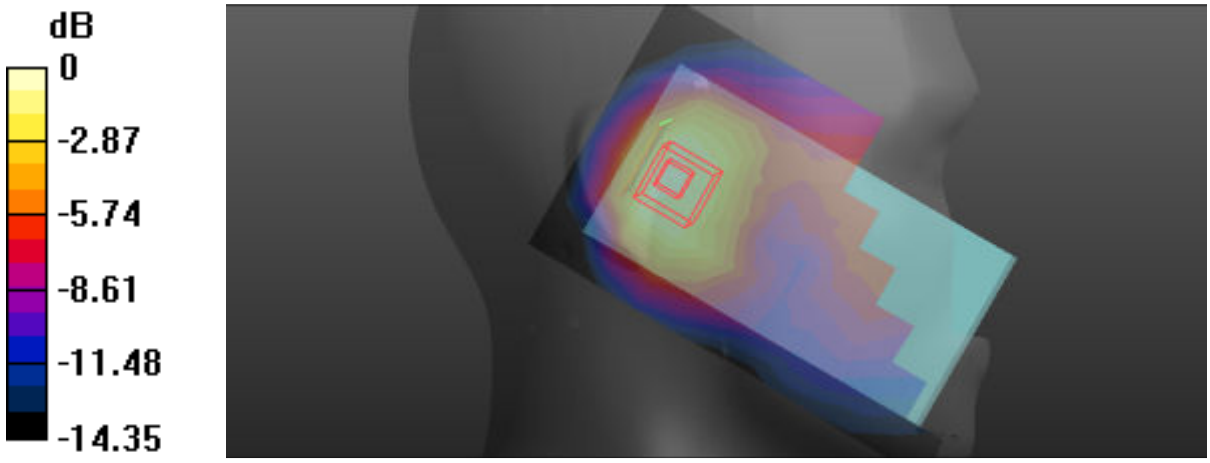
Right Side	Tilt

Communication System: UID 0, LTE band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.304 S/m; ε_r = 40.408; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(5.15, 5.15, 5.15); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Head-Section HSL LTE band4 Right/LTE band4 20MHz 1RB Low HSL tilt M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.146 W/kg
Head-Section HSL LTE band4 Right/LTE band4 20MHz 1RB Low HSL tilt M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.733 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.217 W/kg
SAR(1 g) = 0.138 W/kg; SAR(10 g) = 0.085 W/kg
Maximum value of SAR (measured) = 0.149 W/kg



0 dB = 0.149 W/kg = -8.27 dBW/kg

LTE (Band 4 20BW-1RB-Low/Flat)

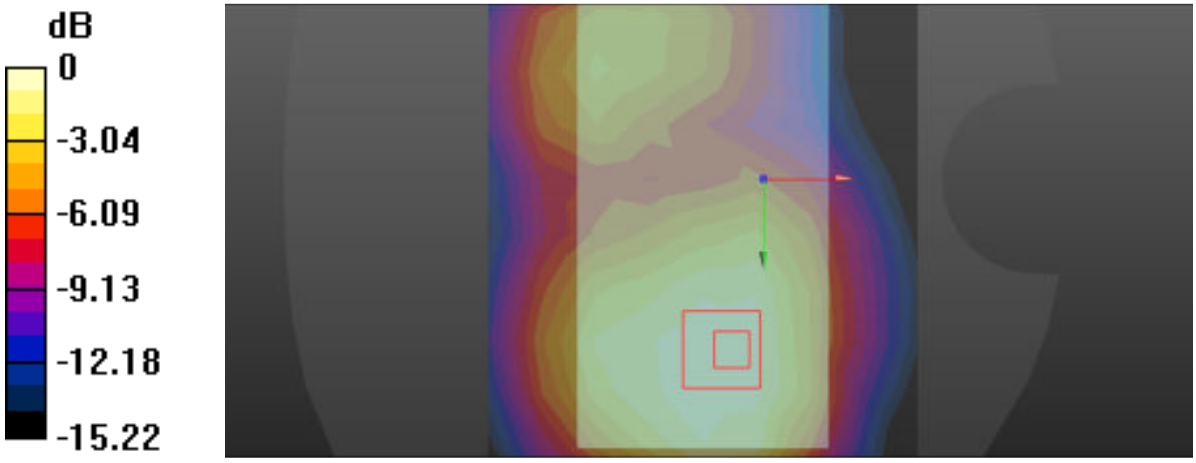
FLAT	Towards phantom

Communication System: UID 0, LTE band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.404 S/m; ε_r = 51.622; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.9, 4.9, 4.9); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Flat-Section MSL LTE band4 TP/LTE band4 TP 20MHz 1RB M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.341 W/kg
Flat-Section MSL LTE band4 TP/LTE band4 TP 20MHz 1RB M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.577 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.537 W/kg
SAR(1 g) = 0.340 W/kg; SAR(10 g) = 0.221 W/kg
Maximum value of SAR (measured) = 0.367 W/kg



0 dB = 0.367 W/kg = -4.35 dBW/kg

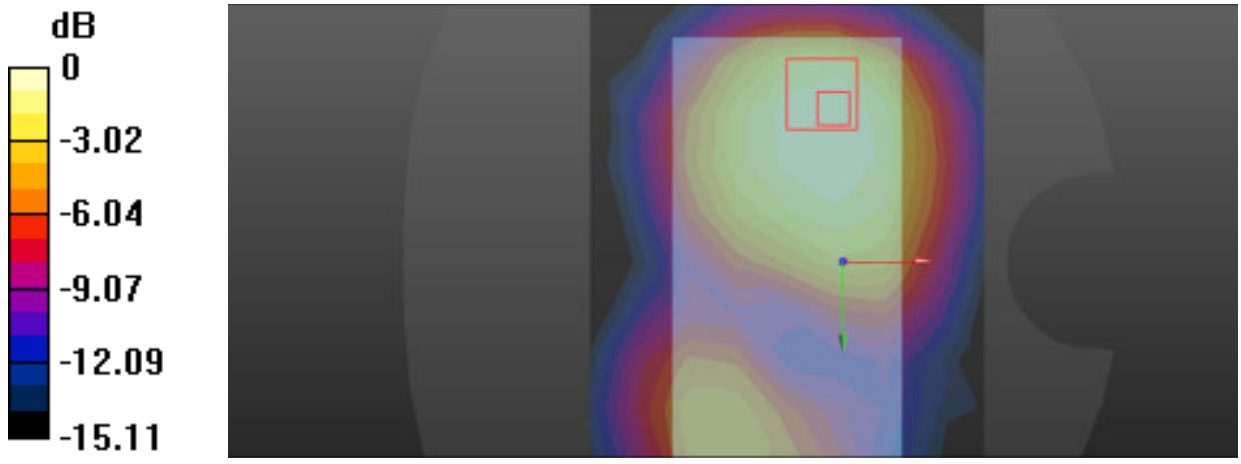
FLAT	Towards ground

Communication System: UID 0, LTE band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.404 S/m; ε_r = 51.622; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.9, 4.9, 4.9); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Flat-Section MSL LTE band4 TG/LTE band4 TG 20MHz 1RB M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.211 W/kg
Flat-Section MSL LTE band4 TG/LTE band4 TG 20MHz 1RB M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.712 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.317 W/kg
SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.124 W/kg
Maximum value of SAR (measured) = 0.219 W/kg



0 dB = 0.219 W/kg = -6.60 dBW/kg

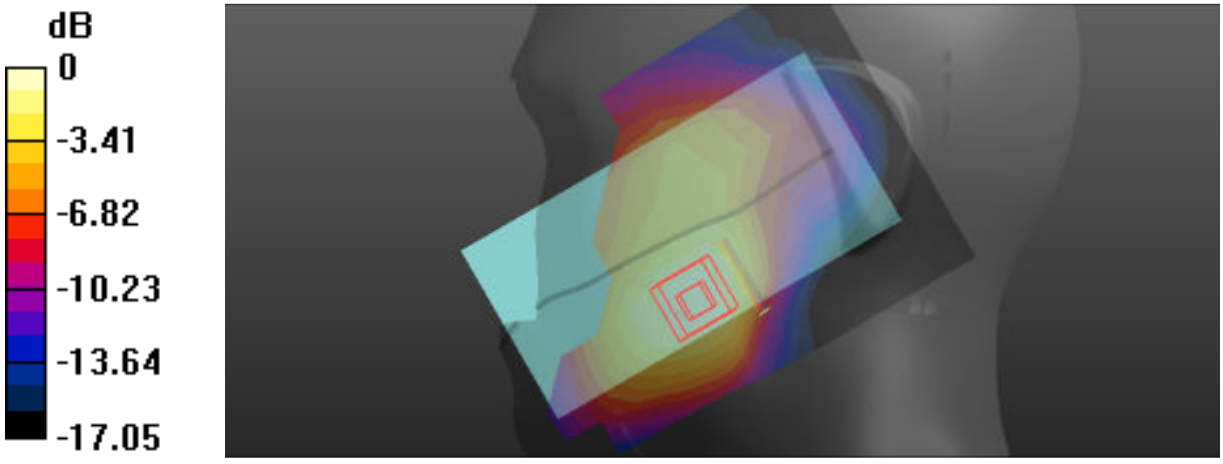
LTE (Band 4 20BW-50RB-Low/Head)

Left Side	Cheek

Communication System: UID 0, LTE band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.304 S/m; ε_r = 40.408; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(5.15, 5.15, 5.15); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL LTE band4 Left/LTE band4 20MHz 50RB Low HSL touch M/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.267 W/kg
  Head-Section HSL LTE band4 Left/LTE band4 20MHz 50RB Low HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 5.292 V/m; Power Drift = 0.03 dB
  Peak SAR (extrapolated) = 0.447 W/kg
  SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.172 W/kg
  Maximum value of SAR (measured) = 0.305 W/kg



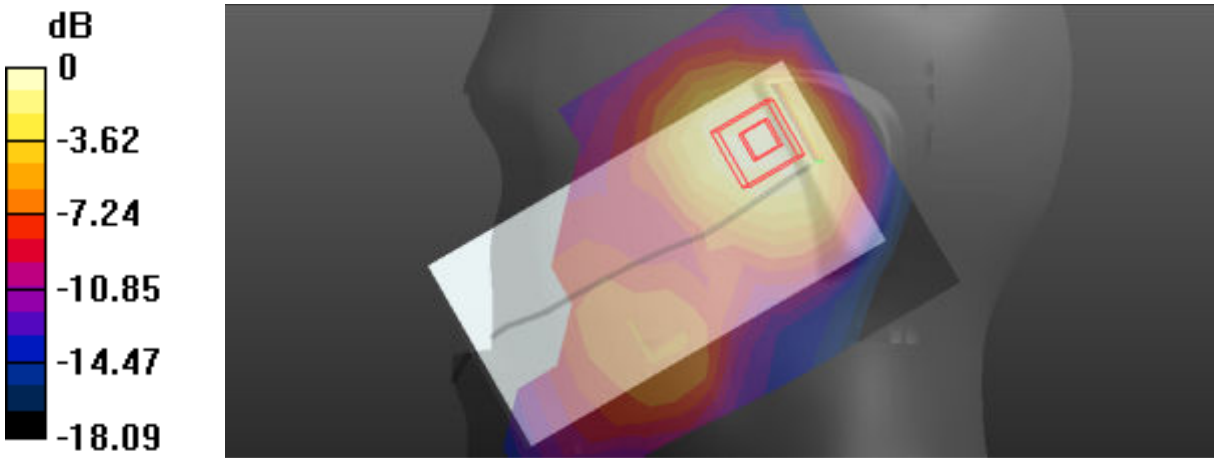
0 dB = 0.305 W/kg = -5.16 dBW/kg

Left Side	Tilt

Communication System: UID 0, LTE band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.304 S/m; ε_r = 40.408; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(5.15, 5.15, 5.15); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL LTE band4 Left/LTE band4 20MHz 50RB Low HSL tilt M/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.142 W/kg
  Head-Section HSL LTE band4 Left/LTE band4 20MHz 50RB Low HSL tilt M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 8.784 V/m; Power Drift = 0.09 dB
  Peak SAR (extrapolated) = 0.204 W/kg
  SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.085 W/kg
  Maximum value of SAR (measured) = 0.147 W/kg



0 dB = 0.147 W/kg = -8.33 dBW/kg

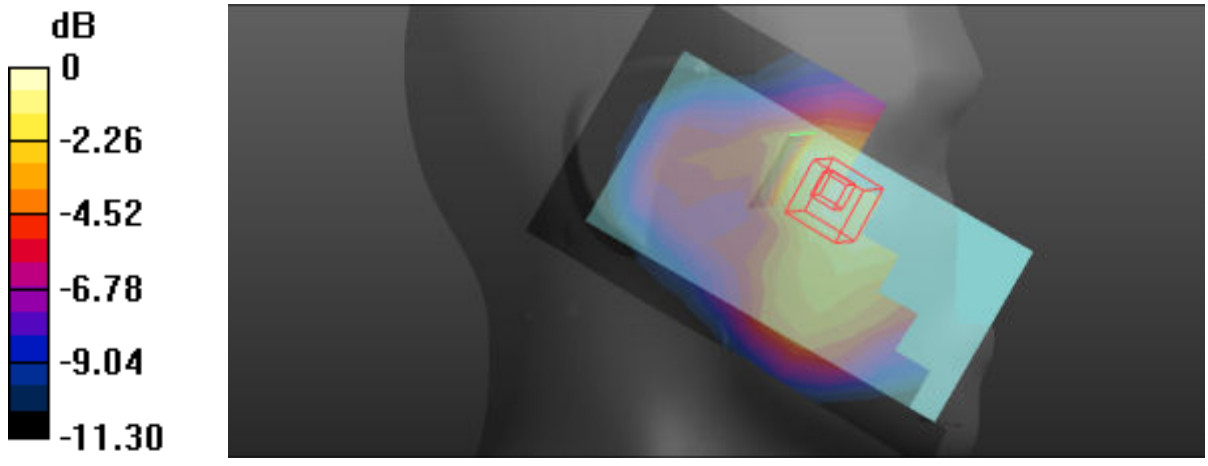
Right Side	Cheek

Communication System: UID 0, LTE band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.304 S/m; ε_r = 40.408; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(5.15, 5.15, 5.15); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Head-Section HSL LTE band4 Right/LTE band4 20MHz 50RB Low HSL touch M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.143 W/kg
Head-Section HSL LTE band4 Right/LTE band4 20MHz 50RB Low HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.585 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.231 W/kg
SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.095 W/kg
Maximum value of SAR (measured) = 0.159 W/kg



0 dB = 0.159 W/kg = -7.99 dBW/kg

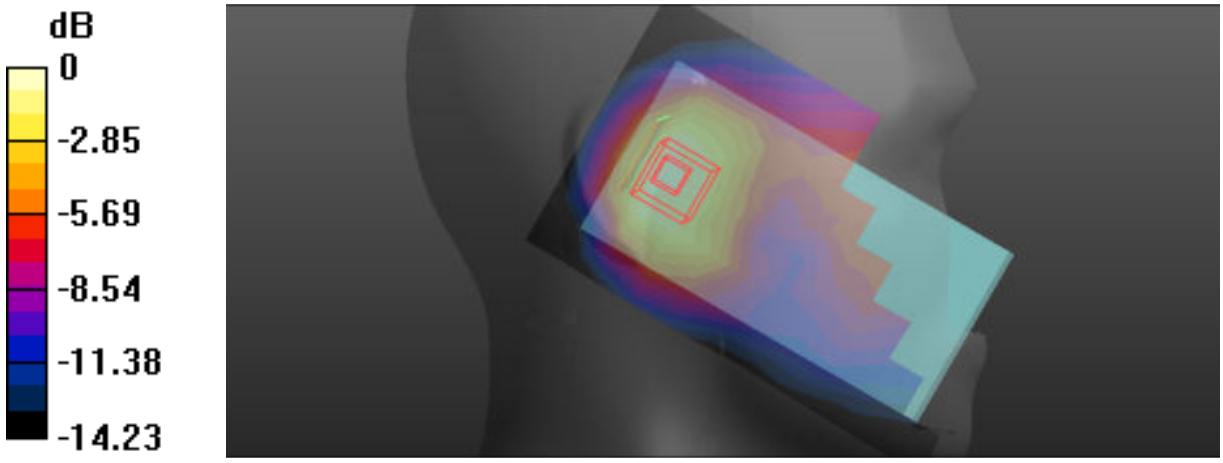
Right Side	Tilt

Communication System: UID 0, LTE band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.304 S/m; ε_r = 40.408; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(5.15, 5.15, 5.15); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Head-Section HSL LTE band4 Right/LTE band4 20MHz 50RB Low HSL tilt M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.124 W/kg
Head-Section HSL LTE band4 Right/LTE band4 20MHz 50RB Low HSL tilt M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.944 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.186 W/kg
SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.072 W/kg
Maximum value of SAR (measured) = 0.128 W/kg



0 dB = 0.128 W/kg = -8.93 dBW/kg

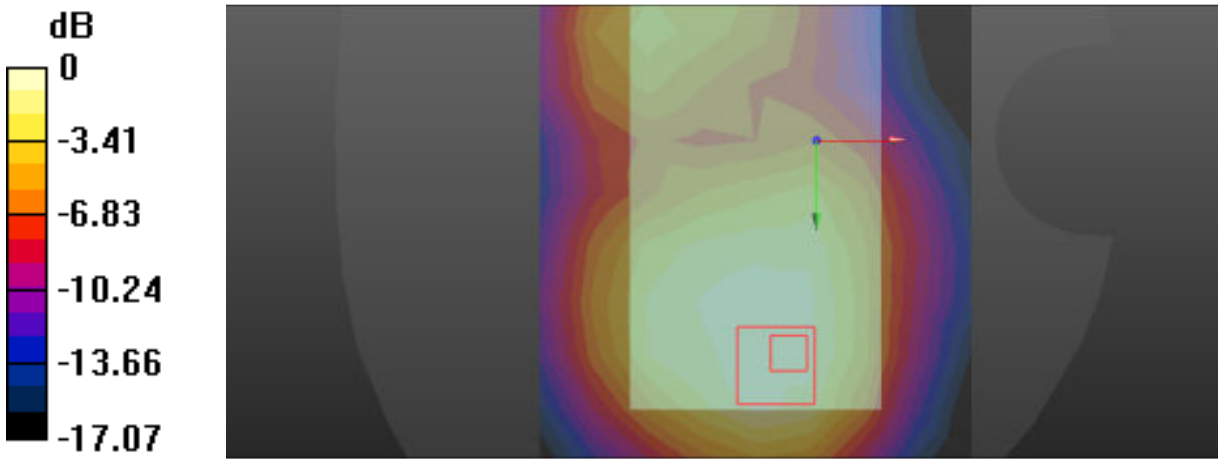
LTE (Band 4 20BW-50RB-Low/Flat)

FLAT	Towards phantom

Communication System: UID 0, LTE band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.404 S/m; ε_r = 51.622; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.9, 4.9, 4.9); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band4 TP/LTE band4 TP 20MHz 50RB M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.267 W/kg
  Flat-Section MSL LTE band4 TP/LTE band4 TP 20MHz 50RB M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 6.807 V/m; Power Drift = 0.00 dB
  Peak SAR (extrapolated) = 0.446 W/kg
  SAR(1 g) = 0.272 W/kg; SAR(10 g) = 0.169 W/kg
  Maximum value of SAR (measured) = 0.296 W/kg



0 dB = 0.296 W/kg = -5.29 dBW/kg

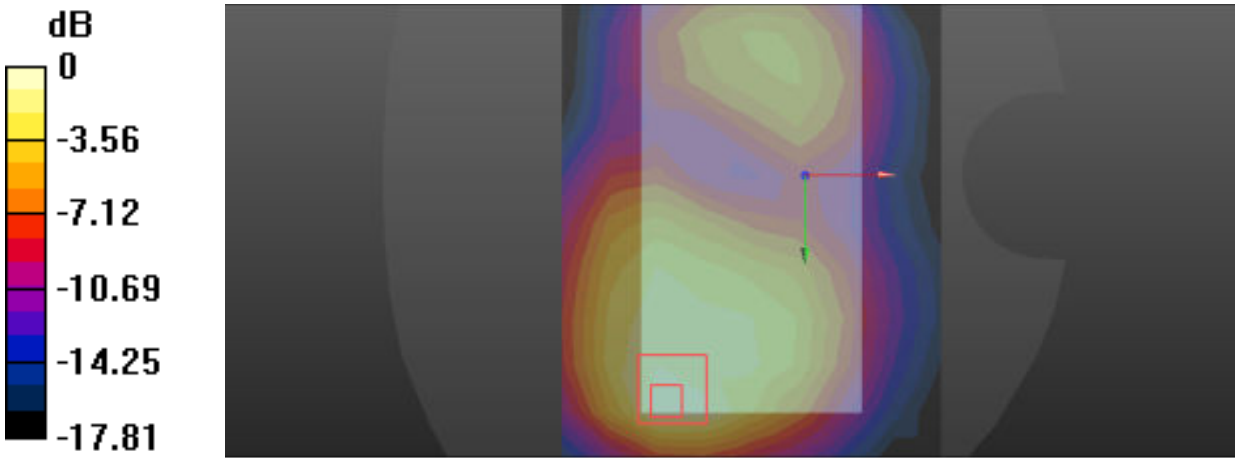
FLAT	Towards ground

Communication System: UID 0, LTE band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.404 S/m; ε_r = 51.622; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.9, 4.9, 4.9); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Flat-Section MSL LTE band4 TG/LTE band4 TG 20MHz 50RB M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.410 W/kg
Flat-Section MSL LTE band4 TG/LTE band4 TG 20MHz 50RB M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.211 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.731 W/kg
SAR(1 g) = 0.419 W/kg; SAR(10 g) = 0.236 W/kg
Maximum value of SAR (measured) = 0.467 W/kg



0 dB = 0.467 W/kg = -3.31 dBW/kg

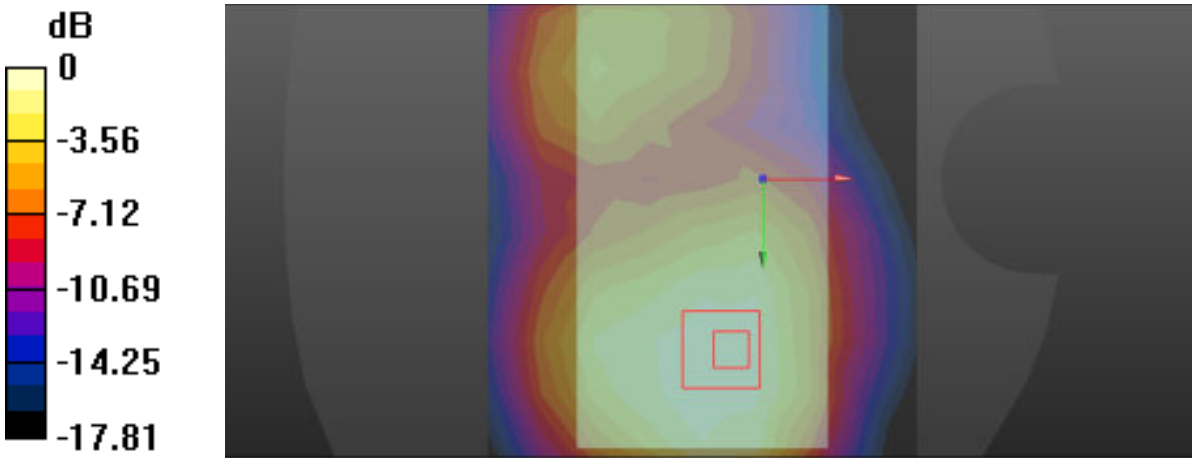
FLAT	Towards ground

Communication System: UID 0, LTE band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.404 S/m; ε_r = 51.622; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.9, 4.9, 4.9); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Flat-Section MSL LTE band4 TG/LTE band4 TG 20MHz 50RB M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.301 W/kg
Flat-Section MSL LTE band4 TG/LTE band4 TG 20MHz 50RB M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.025 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.672 W/kg
SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.129 W/kg
Maximum value of SAR (measured) = 0.374 W/kg



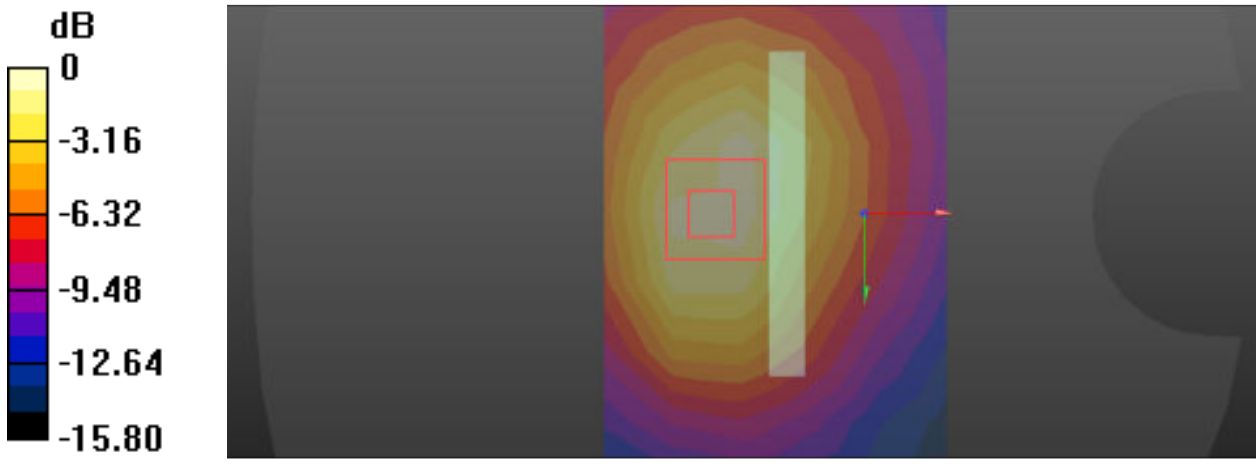
0 dB = 0.127 W/kg = -8.96 dBW/kg

FLAT	EDGE2

Communication System: UID 0, LTE band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.404 S/m; ε_r = 51.622; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.9, 4.9, 4.9); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band4 HOT/LTE band4 20MHz 50RB 10mm M edge 2/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.312 W/kg
  Flat-Section MSL LTE band4 HOT/LTE band4 20MHz 50RB 10mm M edge 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 12.16 V/m; Power Drift = 0.10 dB
  Peak SAR (extrapolated) = 0.522 W/kg
  SAR(1 g) = 0.311 W/kg; SAR(10 g) = 0.181 W/kg
  Maximum value of SAR (measured) = 0.342 W/kg



0 dB = 0.342 W/kg = -4.66 dBW/kg

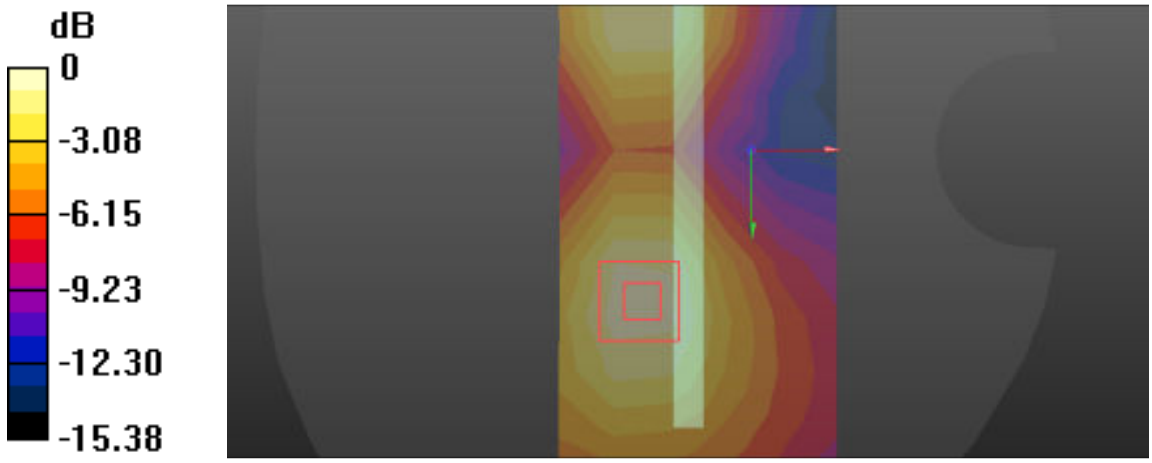
FLAT	EDGE3

Communication System: UID 0, LTE band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.404 S/m; ε_r = 51.622; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.9, 4.9, 4.9); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band4 HOT/LTE band4 20MHz 50RB 10mmM edge 3/Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.113 W/kg

  Flat-Section MSL LTE band4 HOT/LTE band4 20MHz 50RB 10mmM edge 3/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 3.986 V/m; Power Drift = 0.00 dB
  Peak SAR (extrapolated) = 0.186 W/kg
  SAR(1 g) = 0.116 W/kg; SAR(10 g) = 0.070 W/kg
  Maximum value of SAR (measured) = 0.127 W/kg



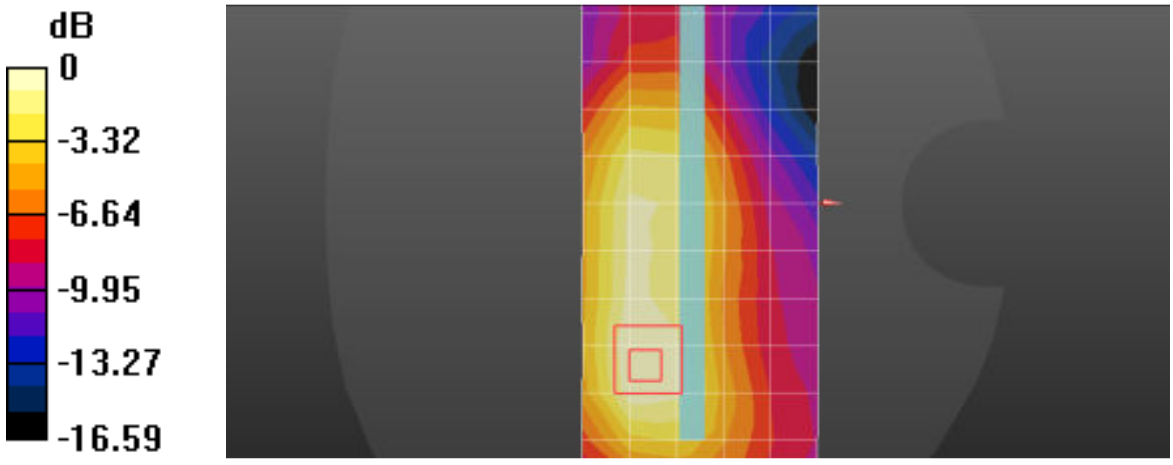
0 dB = 0.127 W/kg = -8.96 dBW/kg

FLAT	EDGE4

Communication System: UID 0, LTE band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.404 S/m; ε_r = 51.622; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.9, 4.9, 4.9); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band4 HOT/LTE band4 20MHz 50RB 10mmM edge 4/Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.147 W/kg
  Flat-Section MSL LTE band4 HOT/LTE band4 20MHz 50RB 10mmM edge 4/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 7.986 V/m; Power Drift = 0.09 dB
  Peak SAR (extrapolated) = 0.259 W/kg
  SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.088 W/kg
  Maximum value of SAR (measured) = 0.168 W/kg



0 dB = 0.147 W/kg = -8.33 dBW/kg

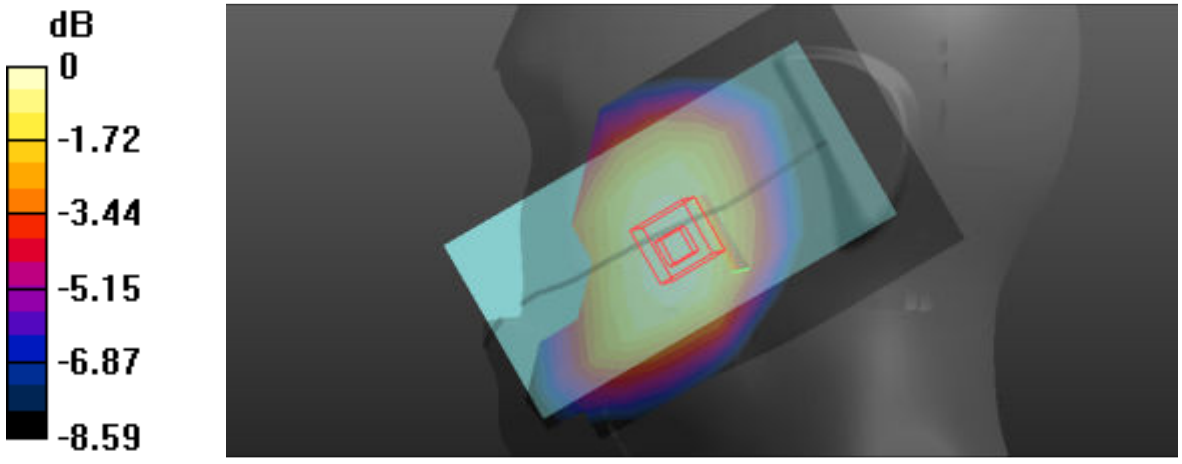
LTE (Band 5 20BW-1RB-Low/Head)

Left Side	Cheek

Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.89 S/m; ε_r = 41.479; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(6.2, 6.2, 6.2); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section Left HSL LTE band5/LTE band5 20BW 1RB LOW HSL touch M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.108 W/kg
  Head-Section Left HSL LTE band5/LTE band5 20BW 1RB LOW HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 3.005 V/m; Power Drift = 0.17 dB
  Peak SAR (extrapolated) = 0.132 W/kg
  SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.080 W/kg
  Maximum value of SAR (measured) = 0.107 W/kg



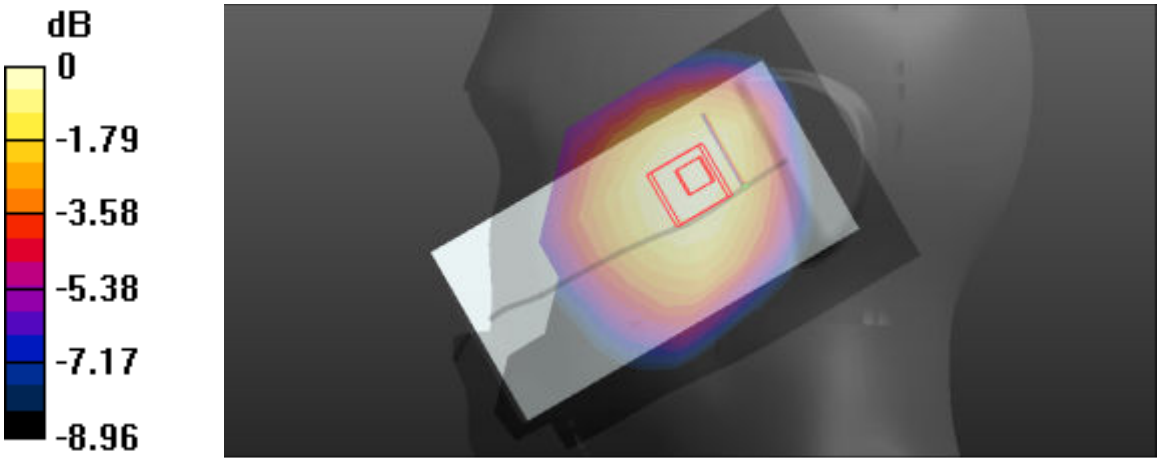
0 dB = 0.107 W/kg = -9.71 dBW/kg

Left Side	Tilt

Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.89 S/m; ε_r = 41.479; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(6.2, 6.2, 6.2); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section Left HSL LTE band5/LTE band5 20BW 1RB LOW HSL tilt M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0714 W/kg
  Head-Section Left HSL LTE band5/LTE band5 20BW 1RB LOW HSL tilt M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 5.588 V/m; Power Drift = -0.04 dB
  Peak SAR (extrapolated) = 0.0860 W/kg
  SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.054 W/kg
  Maximum value of SAR (measured) = 0.0726 W/kg



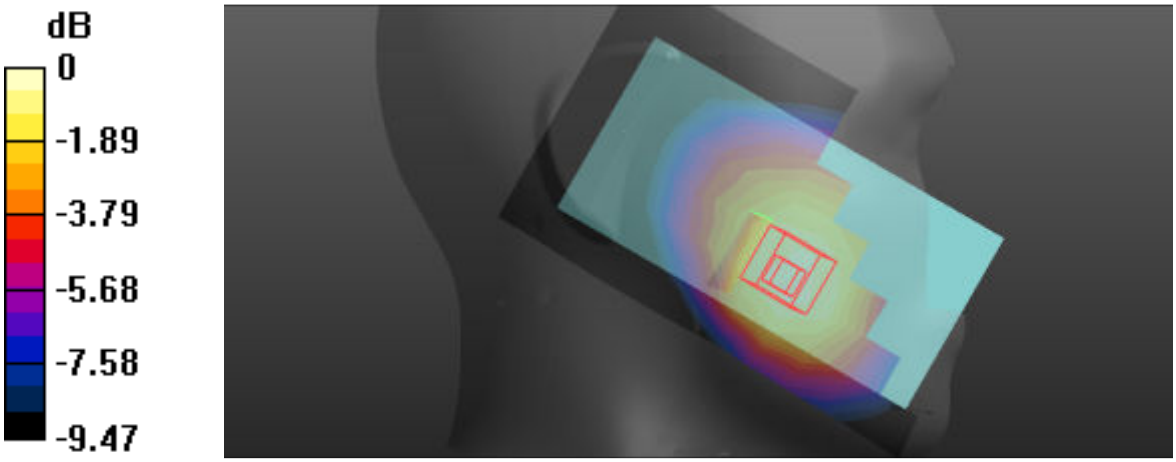
0 dB = 0.0726 W/kg = -11.39 dBW/kg

Right Side	Cheek

Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.89 S/m; ε_r = 41.479; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(6.2, 6.2, 6.2); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section Right HSL LTE band5/LTE band5 20BW 1RB LOW HSL touch M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.129 W/kg
  Head-Section Right HSL LTE band5/LTE band5 20BW 1RB LOW HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 3.210 V/m; Power Drift = -0.10 dB
  Peak SAR (extrapolated) = 0.160 W/kg
  SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.101 W/kg
  Maximum value of SAR (measured) = 0.136 W/kg



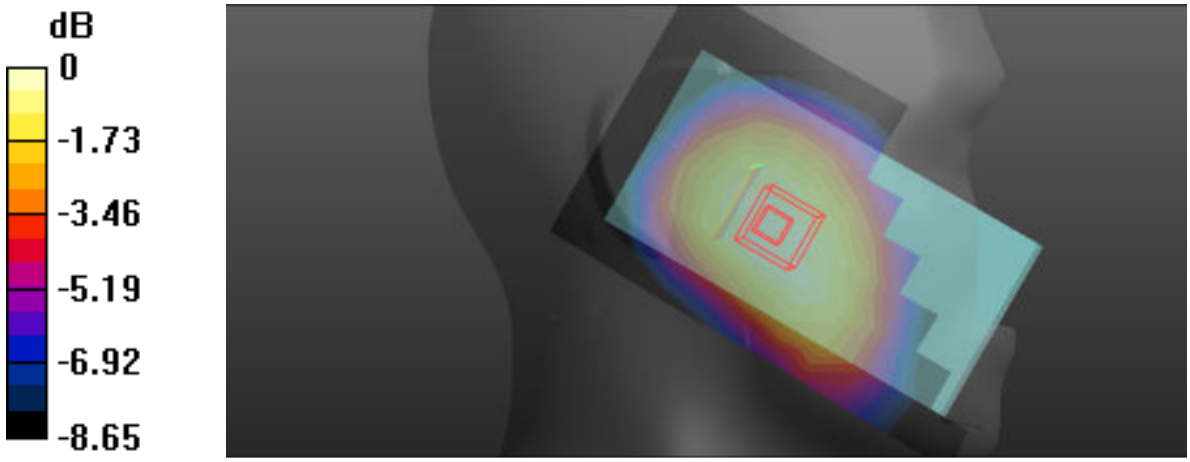
0 dB = 0.136 W/kg = -8.66 dBW/kg

Right Side	Tilt

Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.89 S/m; ε_r = 41.479; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(6.2, 6.2, 6.2); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section Right HSL LTE band5/LTE band5 20BW 1RB LOW HSL tilt M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0768 W/kg
  Head-Section Right HSL LTE band5/LTE band5 20BW 1RB LOW HSL tilt M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 5.520 V/m; Power Drift = 0.04 dB
  Peak SAR (extrapolated) = 0.0890 W/kg
  SAR(1 g) = 0.074 W/kg; SAR(10 g) = 0.057 W/kg
  Maximum value of SAR (measured) = 0.0775 W/kg



0 dB = 0.0775 W/kg = -11.11 dBW/kg

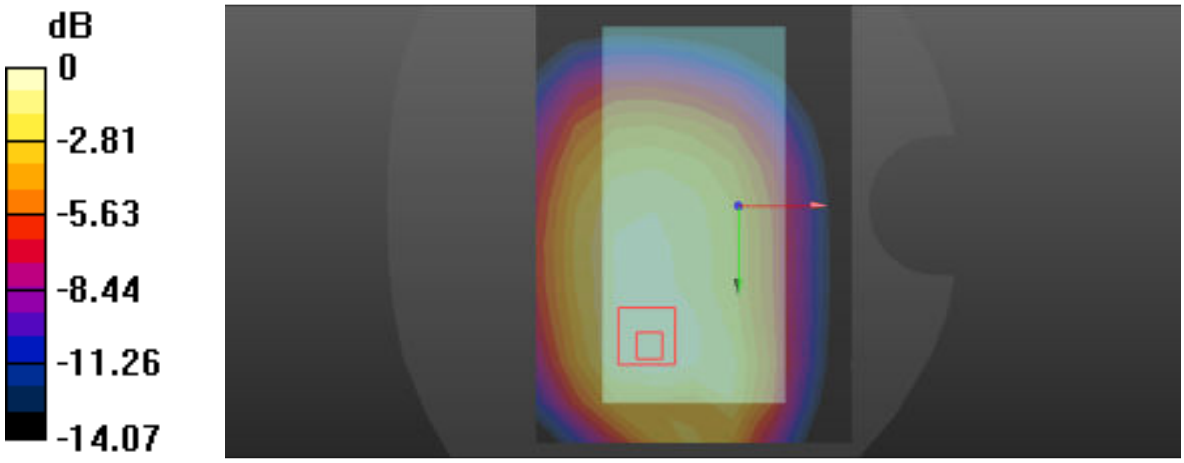
LTE (Band 5 20BW-1RB-Low/Flat)

FLAT	Towards phantom

Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.96 S/m; ε_r = 55.859; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(6.16, 6.16, 6.16); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band5 TP/LTE band5 TP 20BW 1RB LOW M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.170 W/kg
  Flat-Section MSL LTE band5 TP/LTE band5 TP 20BW 1RB LOW M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 11.70 V/m; Power Drift = -0.02 dB
  Peak SAR (extrapolated) = 0.222 W/kg
  SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.122 W/kg
  Maximum value of SAR (measured) = 0.178 W/kg



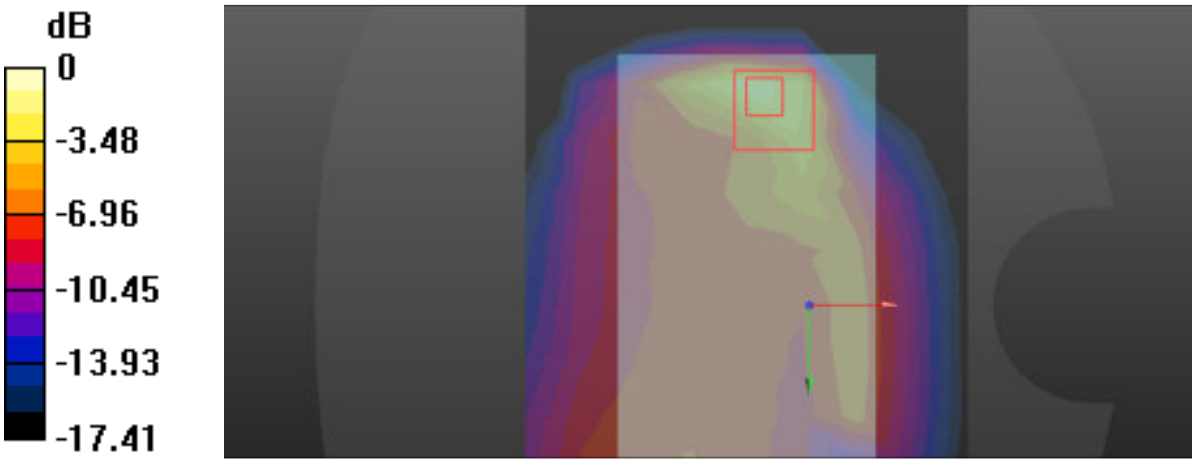
0 dB = 0.178 W/kg = -7.50 dBW/kg

FLAT	Towards ground

Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.96 S/m; ε_r = 55.859; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(6.16, 6.16, 6.16); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band5 TG/LTE band5 TG 20BW 1RB LOW M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.237 W/kg
  Flat-Section MSL LTE band5 TG/LTE band5 TG 20BW 1RB LOW M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 14.57 V/m; Power Drift = -0.00 dB
  Peak SAR (extrapolated) = 0.778 W/kg
  SAR(1 g) = 0.258 W/kg; SAR(10 g) = 0.111 W/kg
  Maximum value of SAR (measured) = 0.318 W/kg



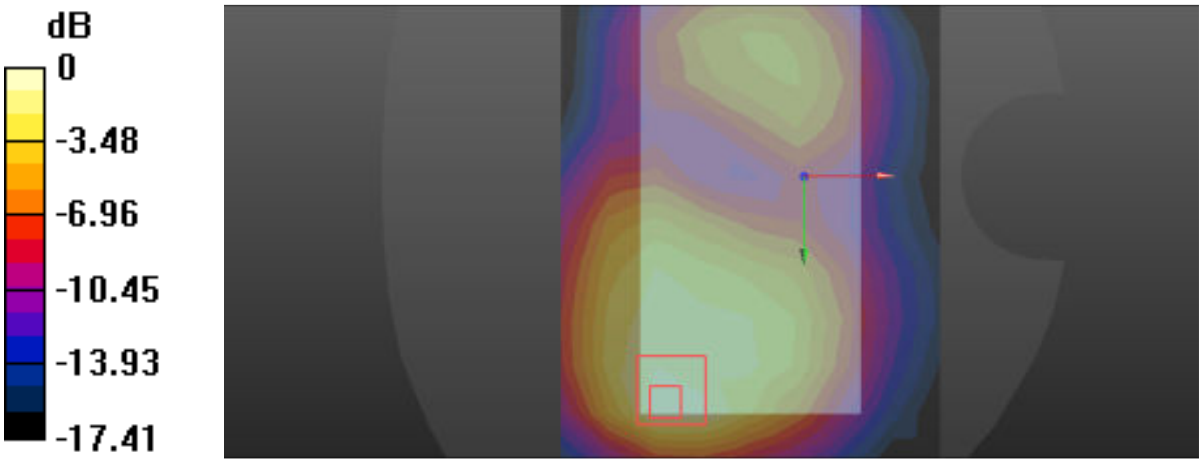
0 dB = 0.318 W/kg = -4.98 dBW/kg

FLAT	Towards ground

Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.96 S/m; ε_r = 55.859; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(6.16, 6.16, 6.16); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band5 TG/LTE band5 TG 20BW 1RB LOW M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.222 W/kg
  Flat-Section MSL LTE band5 TG/LTE band5 TG 20BW 1RB LOW M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 14.79 V/m; Power Drift = -0.10 dB
  Peak SAR (extrapolated) = 0.691 W/kg
  SAR(1 g) = 0.271 W/kg; SAR(10 g) = 0.098 W/kg
  Maximum value of SAR (measured) = 0.294 W/kg



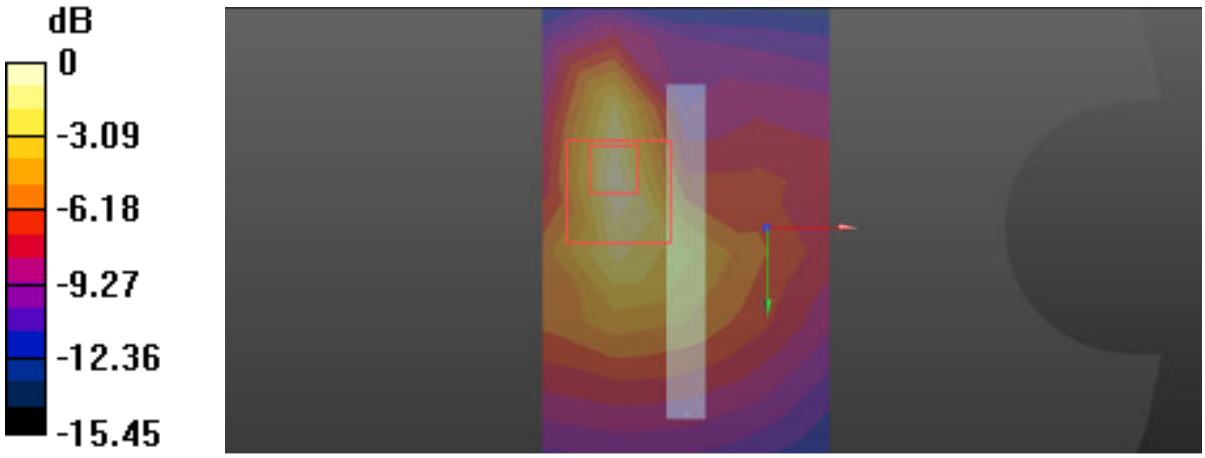
0 dB = 0.314 W/kg = -5.03 dBW/kg

FLAT	EDGE2

Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.96 S/m; ε_r = 55.859; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(6.16, 6.16, 6.16); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band5 HOT/LTE Band2 edge2/Area Scan (5x9x1):
  Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.144 W/kg
  Flat-Section MSL LTE band5 HOT/LTE Band2 edge2/Zoom Scan (7x7x7)/Cube 0:
  Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 7.638 V/m; Power Drift = 0.09 dB
  Peak SAR (extrapolated) = 0.244 W/kg
  SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.064 W/kg
  Maximum value of SAR (measured) = 0.146 W/kg



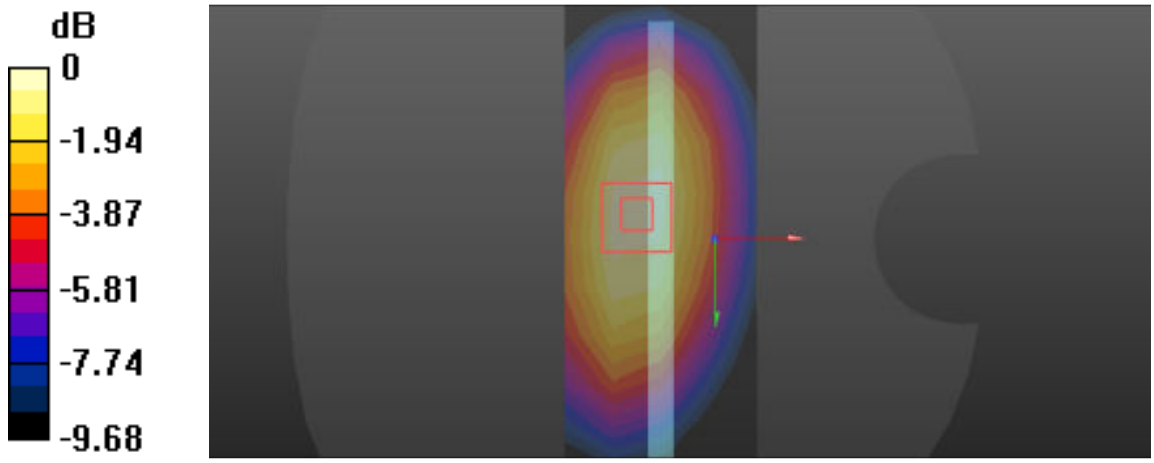
0 dB = 0.146 W/kg = -8.36 dBW/kg

FLAT	EDGE3

Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.96 S/m; ε_r = 55.859; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(6.16, 6.16, 6.16); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band5 HOT/LTE Band2 edge3/Area Scan (5x13x1):
  Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.293 W/kg
  Flat-Section MSL LTE band5 HOT/LTE Band2 edge3/Zoom Scan (7x7x7)/Cube 0:
  Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 17.21 V/m; Power Drift = 0.05 dB
  Peak SAR (extrapolated) = 0.409 W/kg
  SAR(1 g) = 0.293 W/kg; SAR(10 g) = 0.201 W/kg
  Maximum value of SAR (measured) = 0.314 W/kg



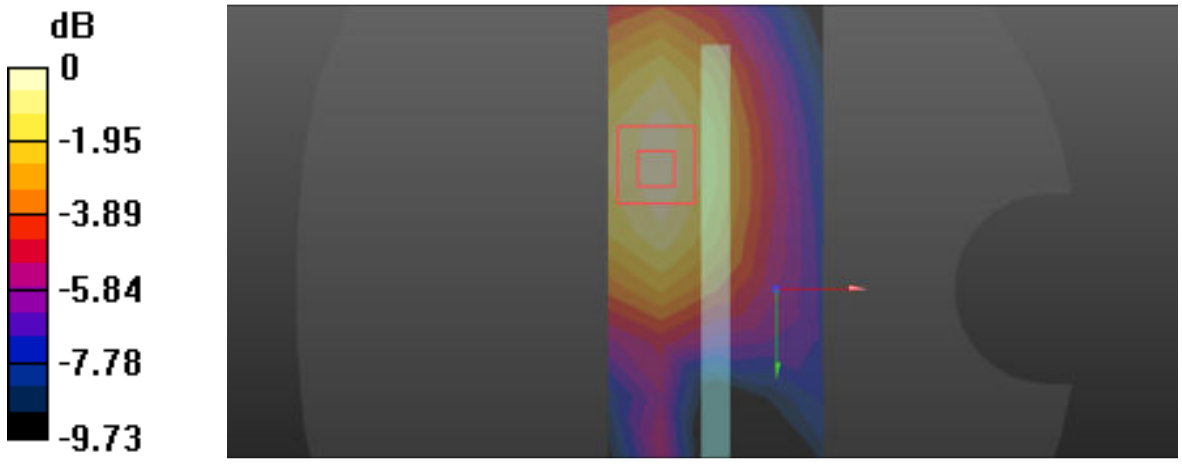
0 dB = 0.314 W/kg = -5.03 dBW/kg

FLAT	EDGE4

Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.96 S/m; ε_r = 55.859; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(6.16, 6.16, 6.16); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band5 HOT/LTE Band2 edge4/Area Scan (5x13x1):
  Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0655 W/kg
  Flat-Section MSL LTE band5 HOT/LTE Band2 edge4/Zoom Scan (7x7x7)/Cube 0:
  Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 5.440 V/m; Power Drift = 0.04 dB
  Peak SAR (extrapolated) = 0.0860 W/kg
  SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.043 W/kg
  Maximum value of SAR (measured) = 0.0662 W/kg



0 dB = 0.0662 W/kg = -11.79 dBW/kg

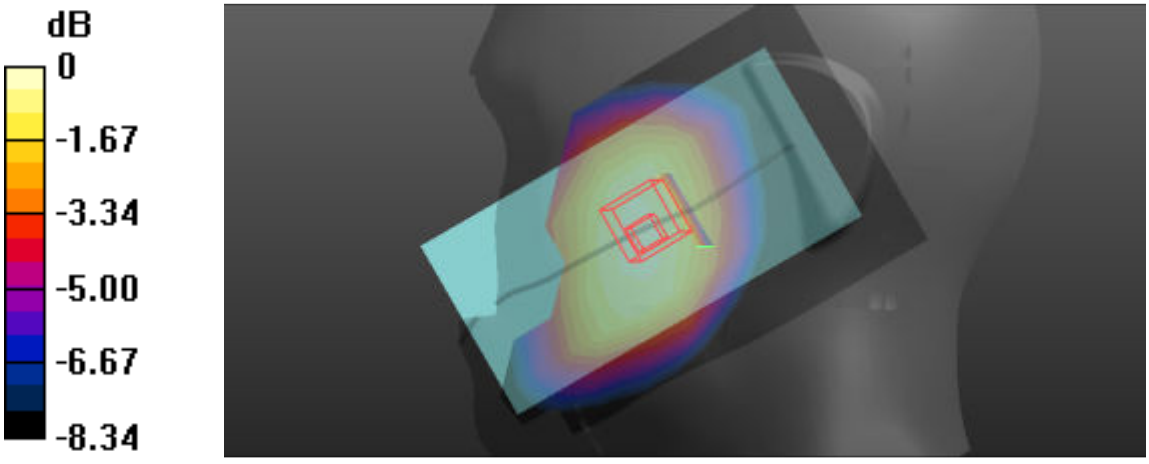
LTE (Band 5 20BW-50RB-Low/Head)

Left Side	Cheek

Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.89 S/m; ε_r = 41.479; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(6.2, 6.2, 6.2); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section Left HSL LTE band5/LTE band5 20BW 50RB LOW HSL touch M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.101 W/kg
  Head-Section Left HSL LTE band5/LTE band5 20BW 50RB LOW HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 2.730 V/m; Power Drift = 0.02 dB
  Peak SAR (extrapolated) = 0.127 W/kg
  SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.080 W/kg
  Maximum value of SAR (measured) = 0.107 W/kg



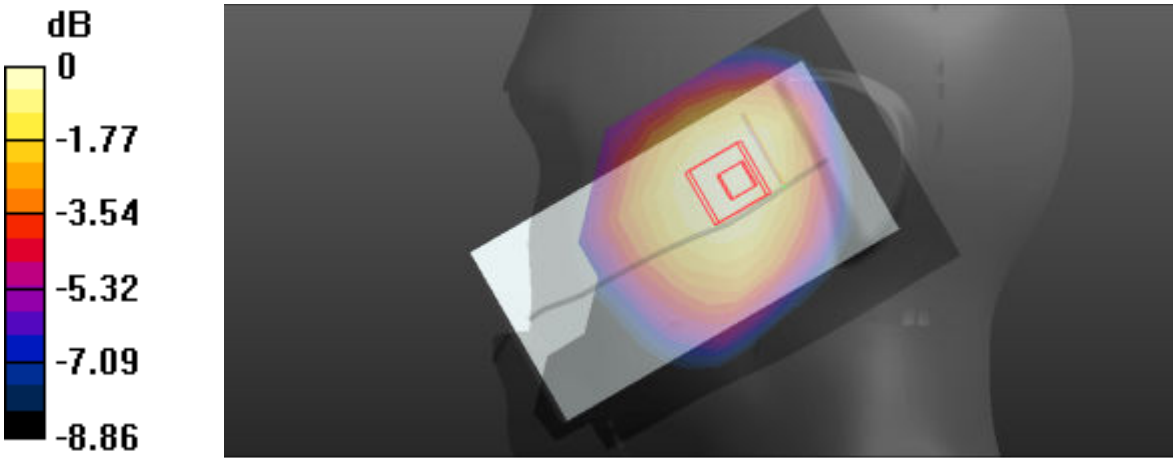
0 dB = 0.107 W/kg = -9.71 dBW/kg

Left Side	Tilt

Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.89 S/m; ε_r = 41.479; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(6.2, 6.2, 6.2); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section Left HSL LTE band5/LTE band5 20BW 50RB LOW HSL tilt M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0603 W/kg
  Head-Section Left HSL LTE band5/LTE band5 20BW 50RB LOW HSL tilt M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 5.173 V/m; Power Drift = 0.00 dB
  Peak SAR (extrapolated) = 0.0760 W/kg
  SAR(1 g) = 0.059 W/kg; SAR(10 g) = 0.045 W/kg
  Maximum value of SAR (measured) = 0.0613 W/kg



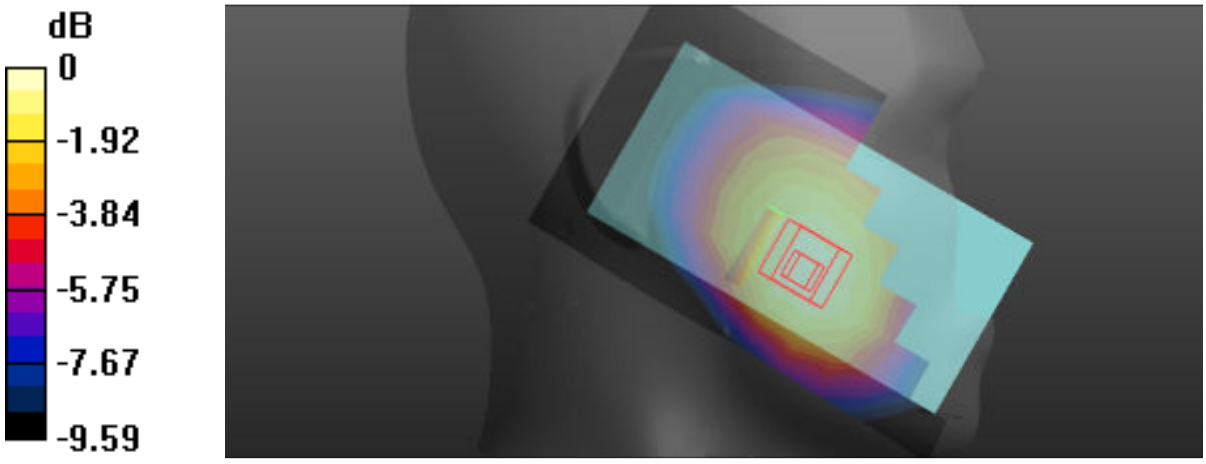
0 dB = 0.0613 W/kg = -12.13 dBW/kg

Right Side	Cheek

Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.89 S/m; ε_r = 41.479; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(6.2, 6.2, 6.2); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section Right HSL LTE band5/LTE band5 20BW 50RB LOW HSL touch M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0974 W/kg
  Head-Section Right HSL LTE band5/LTE band5 20BW 50RB LOW HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 3.890 V/m; Power Drift = -0.01 dB
  Peak SAR (extrapolated) = 0.123 W/kg
  SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.077 W/kg
  Maximum value of SAR (measured) = 0.103 W/kg



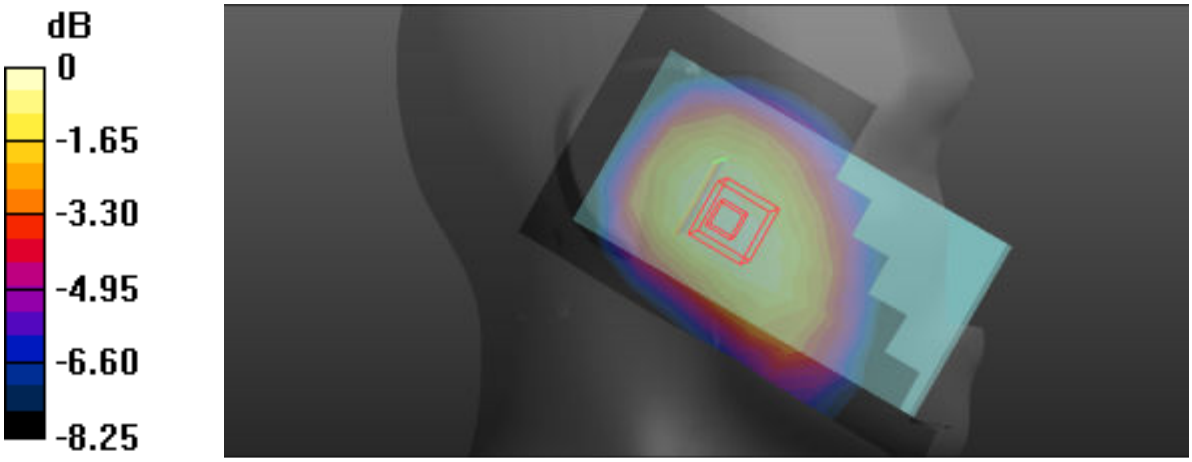
0 dB = 0.103 W/kg = -9.87 dBW/kg

Right Side	Tilt

Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.89 S/m; ε_r = 41.479; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(6.2, 6.2, 6.2); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section Right HSL LTE band5/LTE band5 20BW 50RB LOW HSL tilt M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0550 W/kg
  Head-Section Right HSL LTE band5/LTE band5 20BW 50RB LOW HSL tilt M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 5.426 V/m; Power Drift = 0.15 dB
  Peak SAR (extrapolated) = 0.0670 W/kg
  SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.042 W/kg
  Maximum value of SAR (measured) = 0.0567 W/kg



0 dB = 0.0567 W/kg = -12.46 dBW/kg

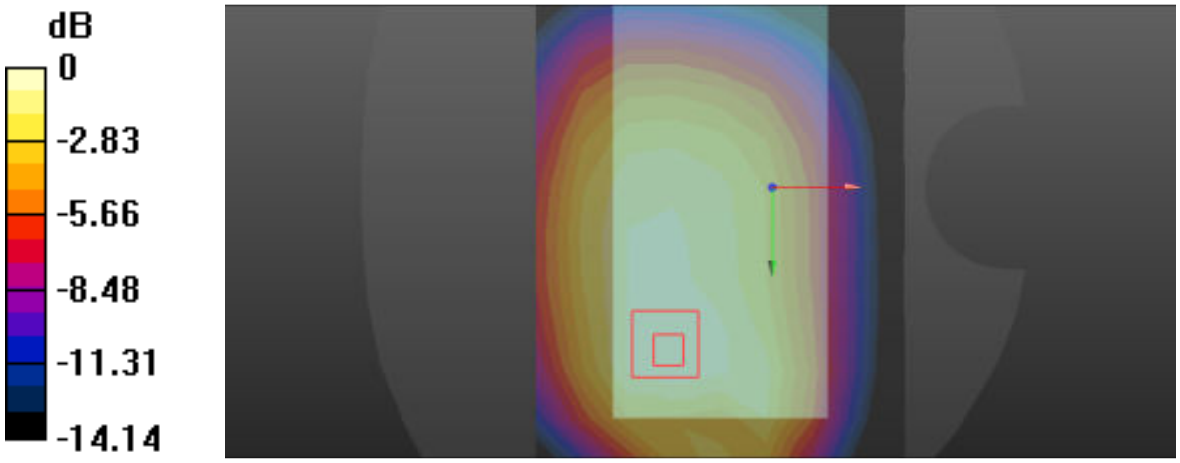
LTE (Band 5 20BW-50RB-Low/Flat)

FLAT	Towards phantom

Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.96 S/m; ε_r = 55.859; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(6.16, 6.16, 6.16); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band5 TP/LTE band5 TP 20BW 50RB LOW M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.146 W/kg
  Flat-Section MSL LTE band5 TP/LTE band5 TP 20BW 50RB LOW M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 10.69 V/m; Power Drift = 0.05 dB
  Peak SAR (extrapolated) = 0.193 W/kg
  SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.104 W/kg
  Maximum value of SAR (measured) = 0.153 W/kg



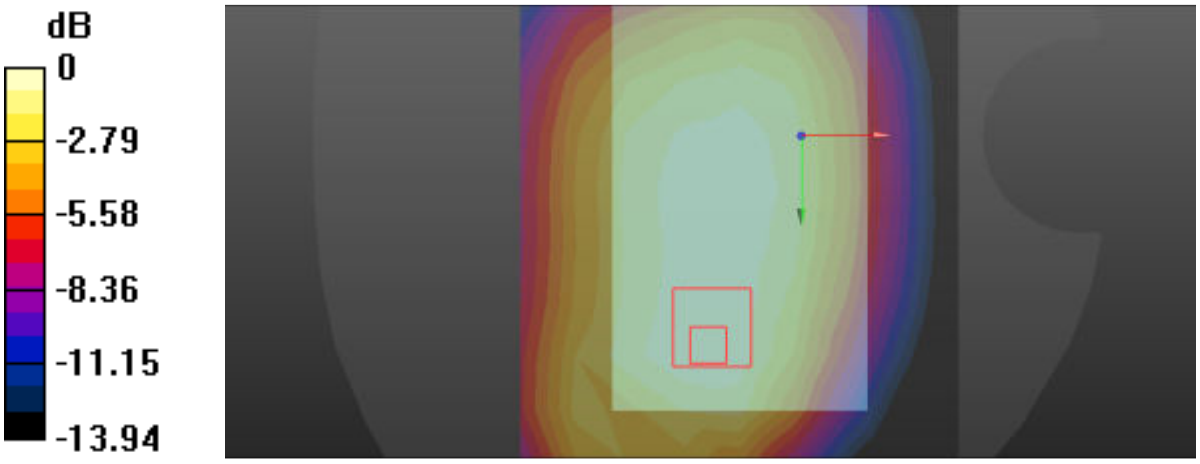
0 dB = 0.153 W/kg = -8.15 dBW/kg

FLAT	Towards ground

Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.96 S/m; ε_r = 55.859; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(6.16, 6.16, 6.16); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: 1559
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band5 TG/LTE band5 TG 20BW 50RB LOW M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.178 W/kg
  Flat-Section MSL LTE band5 TG/LTE band5 TG 20BW 50RB LOW M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 13.44 V/m; Power Drift = -0.03 dB
  Peak SAR (extrapolated) = 0.227 W/kg
  SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.127 W/kg
  Maximum value of SAR (measured) = 0.184 W/kg



0 dB = 0.184 W/kg = -7.35 dBW/kg

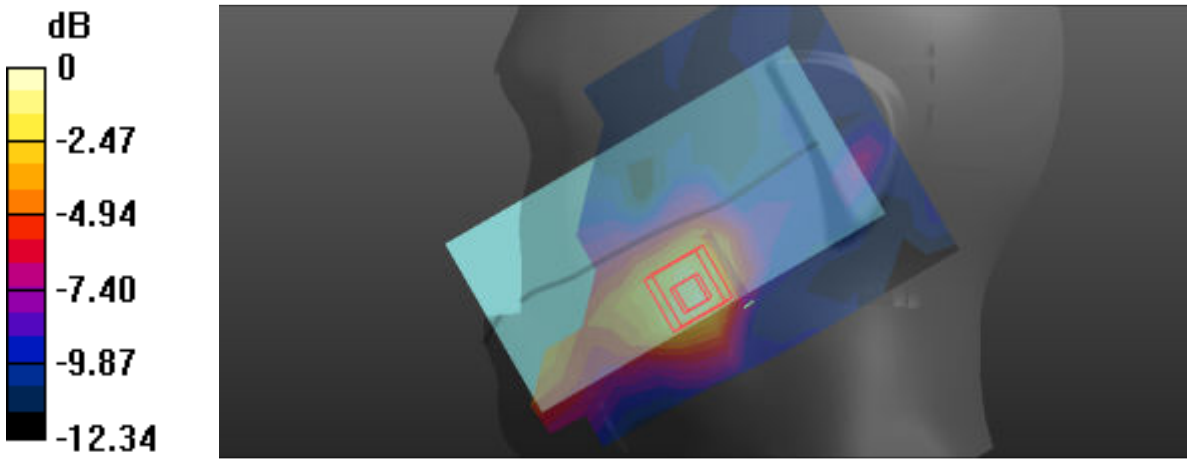
LTE (Band 7 20BW-1RB-Low/Head)

Left Side	Cheek

Communication System: UID 10169 - CAB, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2535 MHz;Duty Cycle: 1:3.74111
Medium parameters used: f = 2535 MHz; σ = 2.01 S/m; ε_r = 36.5; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.4, 4.4, 4.4); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL LTE band7 Left/LTE band7 20MHz 1RB Low HSL touch M/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0626 W/kg
  Head-Section HSL LTE band7 Left/LTE band7 20MHz 1RB Low HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 0.9200 V/m; Power Drift = 0.08 dB
  Peak SAR (extrapolated) = 0.125 W/kg
  SAR(1 g) = 0.064 W/kg; SAR(10 g) = 0.034 W/kg
  Maximum value of SAR (measured) = 0.0706 W/kg



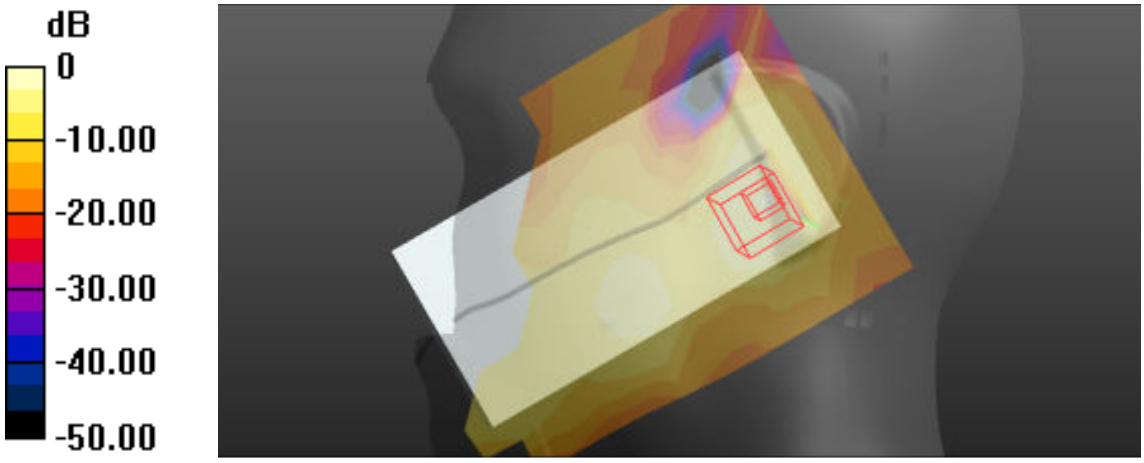
0 dB = 0.0706 W/kg = -11.51 dBW/kg

Left Side	Tilt

Communication System: UID 10297 - AAA, LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK); Frequency: 2535 MHz;Duty Cycle: 1:3.81066
Medium parameters used: f = 2535 MHz; σ = 2.01 S/m; ε_r = 36.5; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.4, 4.4, 4.4); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL LTE band7 Left/LTE band7 20MHz 1RB Low HSL tilt M/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0227 W/kg
  Head-Section HSL LTE band7 Left/LTE band7 20MHz 1RB Low HSL tilt M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 3.333 V/m; Power Drift = -0.04 dB
  Peak SAR (extrapolated) = 0.101 W/kg
  SAR(1 g) = 0.027 W/kg; SAR(10 g) = 0.012 W/kg
  Maximum value of SAR (measured) = 0.0448 W/kg



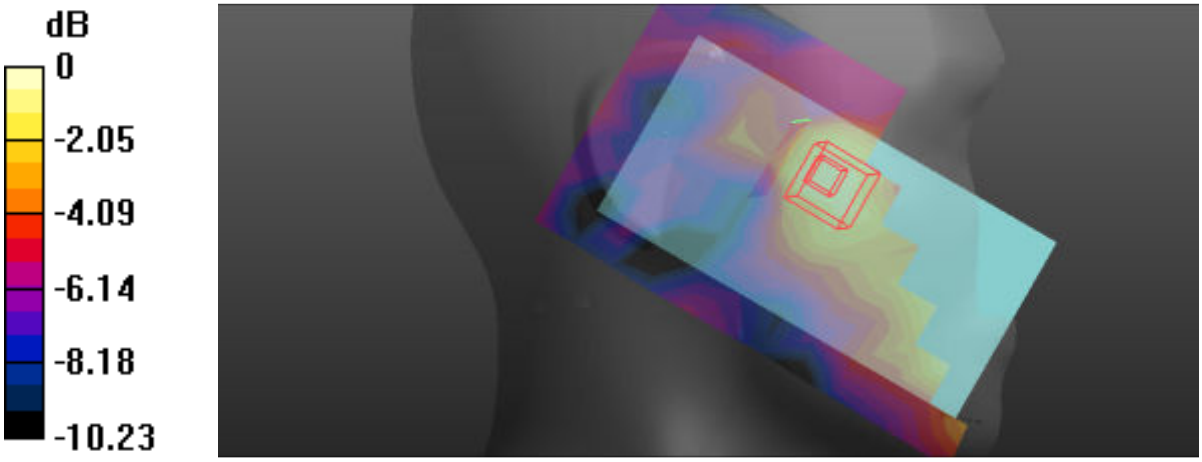
0 dB = 0.0448 W/kg = -13.49 dBW/kg

Right Side	Cheek

Communication System: UID 0, LTE band 07 (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.01 S/m; ε_r = 36.5; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.4, 4.4, 4.4); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL LTE band7 Right/LTE band7 20MHz 1RB Low HSL touch M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0324 W/kg
  Head-Section HSL LTE band7 Right/LTE band7 20MHz 1RB Low HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 1.823 V/m; Power Drift = 0.02 dB
  Peak SAR (extrapolated) = 0.0730 W/kg
  SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.021 W/kg
  Maximum value of SAR (measured) = 0.0370 W/kg



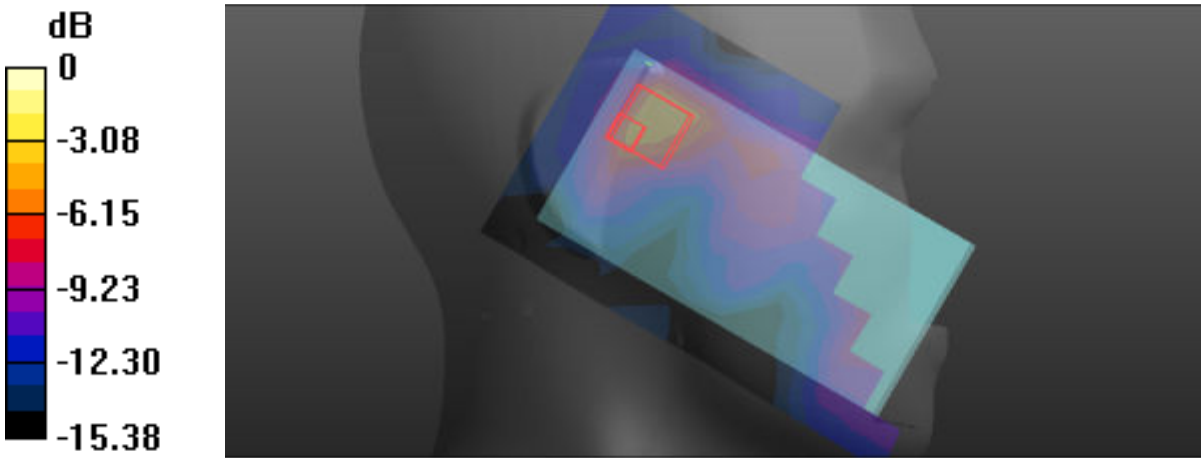
0 dB = 0.0370 W/kg = -14.32 dBW/kg

Right Side	Tilt

Communication System: UID 0, LTE band 07 (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.01 S/m; ε_r = 36.5; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.4, 4.4, 4.4); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL LTE band7 Right/LTE band7 20MHz 1RB Low HSL tilt M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0220 W/kg
  Head-Section HSL LTE band7 Right/LTE band7 20MHz 1RB Low HSL tilt M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 2.632 V/m; Power Drift = 0.03 dB
  Peak SAR (extrapolated) = 0.112 W/kg
  SAR(1 g) = 0.030 W/kg; SAR(10 g) = 0.013 W/kg
  Maximum value of SAR (measured) = 0.0699 W/kg



0 dB = 0.0699 W/kg = -11.56 dBW/kg

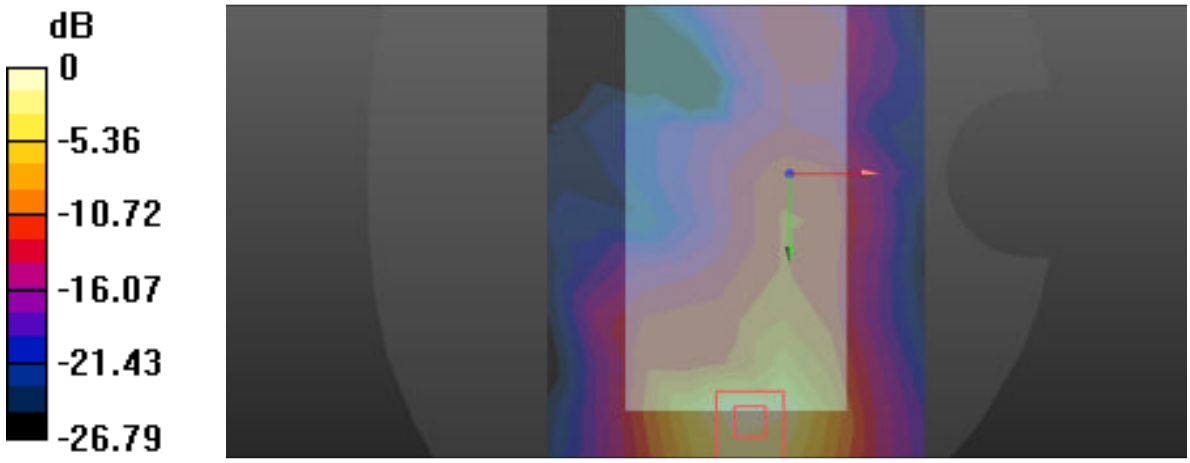
LTE (Band 7 20BW-1RB-Low/Flat)

FLAT	Towards phantom

Communication System: UID 10169 - CAB, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2535 MHz;Duty Cycle: 1:3.74111
Medium parameters used: f = 2535 MHz; σ = 2.15 S/m; ε_r = 50.36; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.17, 4.17, 4.17); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band7 TP/LTE band7 TP 20MHz 1RB M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.318 W/kg
  Flat-Section MSL LTE band7 TP/LTE band7 TP 20MHz 1RB M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 2.694 V/m; Power Drift = -0.01 dB
  Peak SAR (extrapolated) = 0.751 W/kg
  SAR(1 g) = 0.322 W/kg; SAR(10 g) = 0.146 W/kg
  Maximum value of SAR (measured) = 0.358 W/kg



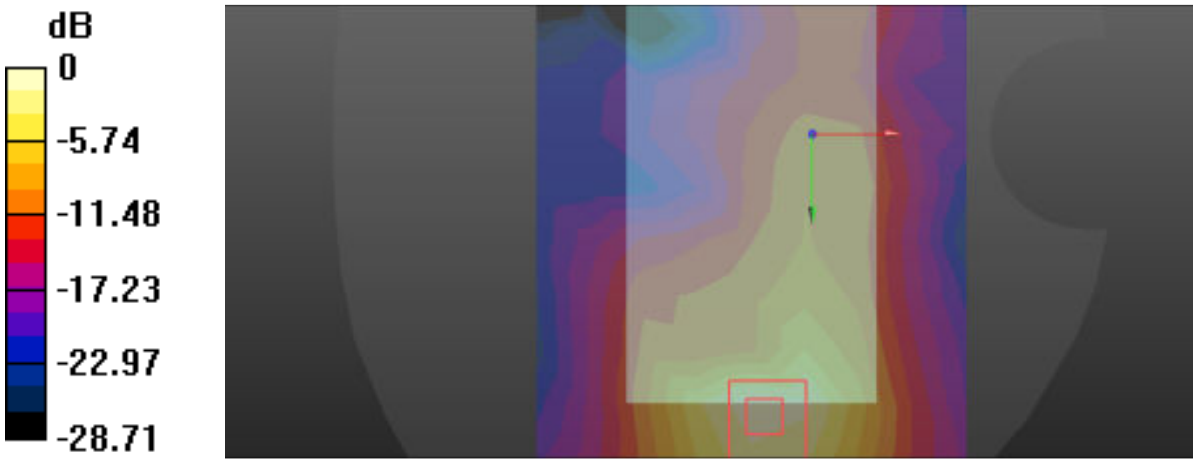
0 dB = 0.358 W/kg = -4.46 dBW/kg

FLAT	Towards ground

Communication System: UID 10169 - CAB, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2535 MHz;Duty Cycle: 1:3.74111
Medium parameters used: f = 2535 MHz; σ = 2.15 S/m; ε_r = 50.36; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.17, 4.17, 4.17); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band7 TG/LTE band7 TG 20MHz 1RB M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.819 W/kg
  Flat-Section MSL LTE band7 TG/LTE band7 TG 20MHz 1RB M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 2.102 V/m; Power Drift = 0.04 dB
  Peak SAR (extrapolated) = 1.82 W/kg
  SAR(1 g) = 0.740 W/kg; SAR(10 g) = 0.311 W/kg
  Maximum value of SAR (measured) = 0.840 W/kg



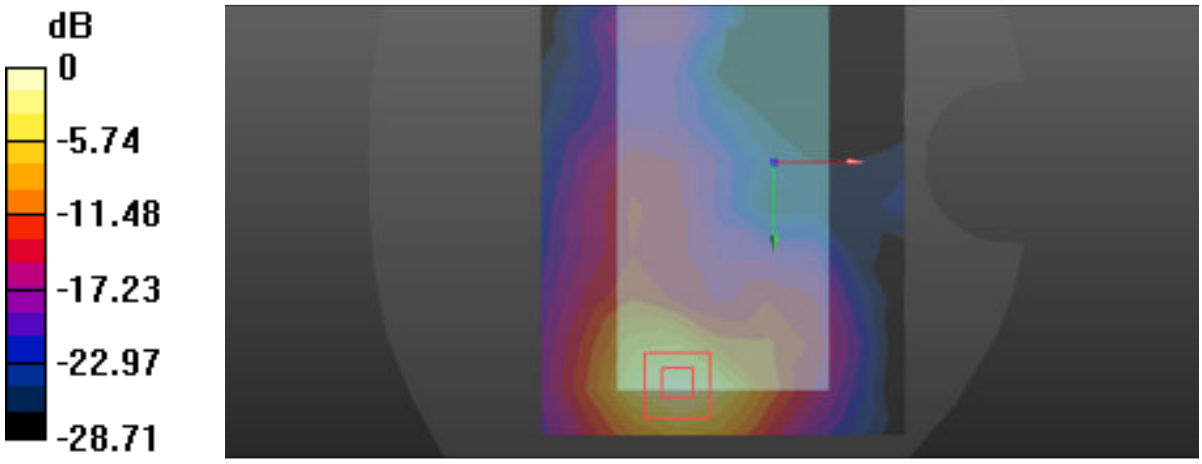
0 dB = 0.840 W/kg = -0.76 dBW/kg

FLAT	Towards ground

Communication System: UID 10169 - CAB, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2535 MHz;Duty Cycle: 1:3.74111
Medium parameters used: f = 2535 MHz; σ = 2.15 S/m; ε_r = 50.36; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.17, 4.17, 4.17); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band7 TG/LTE band7 TG 20MHz 1RB M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.819 W/kg
  Flat-Section MSL LTE band7 TG/LTE band7 TG 20MHz 1RB M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 2.306 V/m; Power Drift = 0.12 dB
  Peak SAR (extrapolated) = 1.24 W/kg
  SAR(1 g) = 0.691 W/kg; SAR(10 g) = 0.268 W/kg
  Maximum value of SAR (measured) = 0.729 W/kg



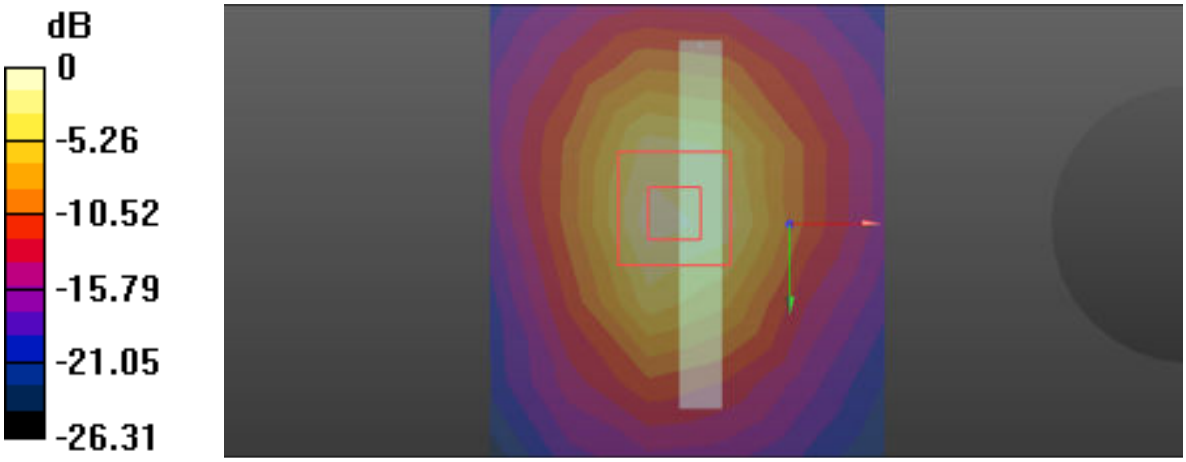
0 dB = 0.0525 W/kg = -12.80 dBW/kg

FLAT	EDGE2

Communication System: UID 0, LTE band 07 (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.01 S/m; ε_r = 36.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.4, 4.4, 4.4); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band7 HOT/LTE band7 20MHz 1RB 10mm M edge 2/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.493 W/kg
  Flat-Section MSL LTE band7 HOT/LTE band7 20MHz 1RB 10mm M edge 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 15.74 V/m; Power Drift = 0.01 dB
  Peak SAR (extrapolated) = 1.16 W/kg
  SAR(1 g) = 0.523 W/kg; SAR(10 g) = 0.234 W/kg
  Maximum value of SAR (measured) = 0.577 W/kg



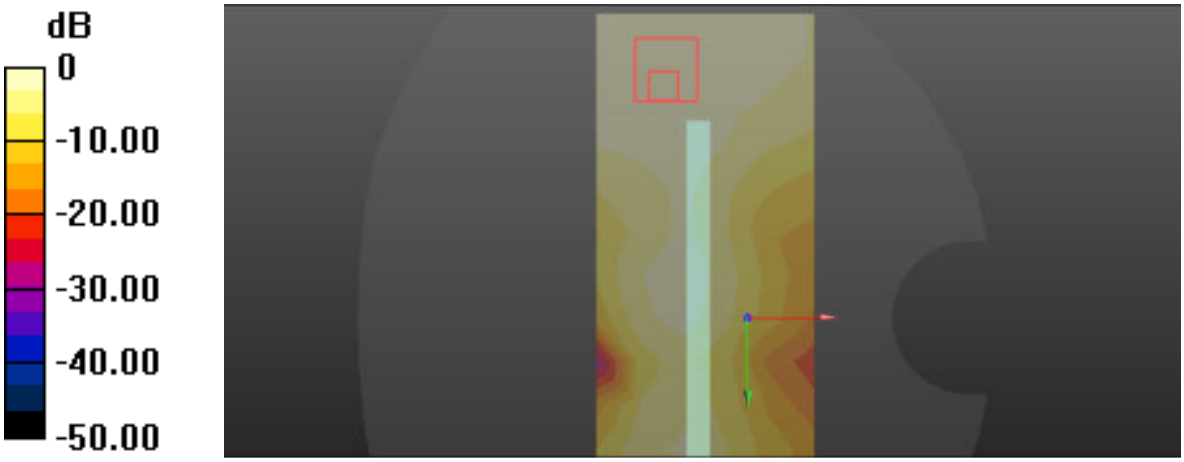
0 dB = 0.577 W/kg = -2.39 dBW/kg

FLAT	EDGE3

Communication System: UID 0, LTE band 07 (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.01 S/m; ε_r = 36.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.4, 4.4, 4.4); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band7 HOT/LTE band7 20MHz 1RB 10mmM edge 3/Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0498 W/kg
  Flat-Section MSL LTE band7 HOT/LTE band7 20MHz 1RB 10mmM edge 3/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 3.938 V/m; Power Drift = 0.16 dB
  Peak SAR (extrapolated) = 0.103 W/kg
  SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.027 W/kg
  Maximum value of SAR (measured) = 0.0525 W/kg



0 dB = 0.0525 W/kg = -12.80 dBW/kg

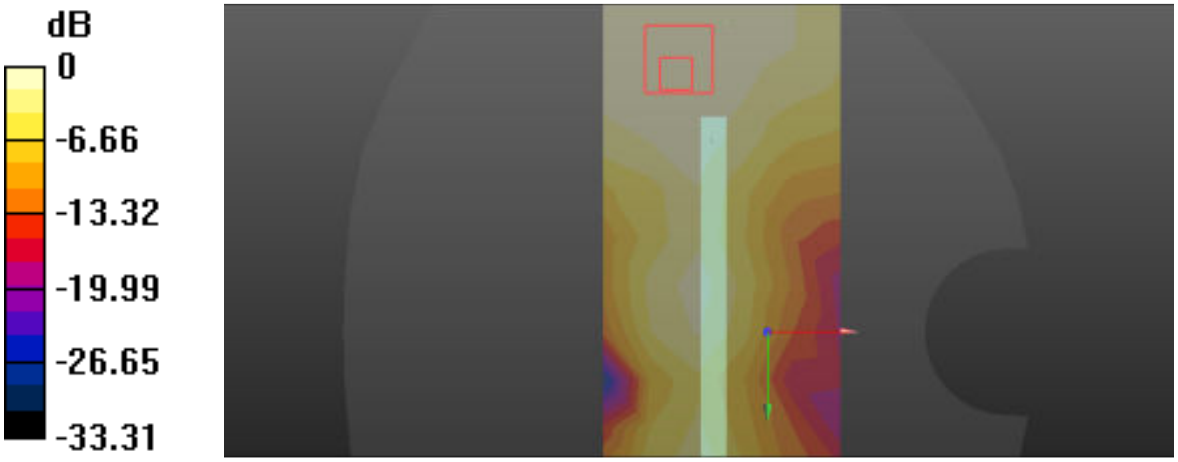
FLAT	EDGE3

Communication System: UID 0, LTE band 07 (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.01 S/m; ε_r = 36.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.4, 4.4, 4.4); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band7 HOT/LTE band7 20MHz 1RB 10mmM edge 3 2/Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0506 W/kg

  Flat-Section MSL LTE band7 HOT/LTE band7 20MHz 1RB 10mmM edge 3 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 3.939 V/m; Power Drift = 0.17 dB
  Peak SAR (extrapolated) = 0.104 W/kg
  SAR(1 g) = 0.050 W/kg; SAR(10 g) = 0.027 W/kg
  Maximum value of SAR (measured) = 0.0531 W/kg



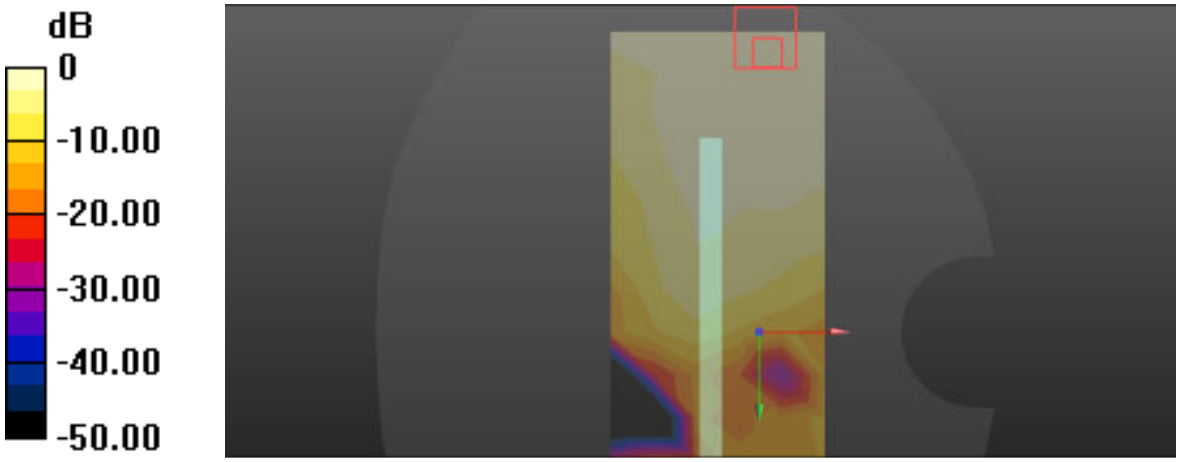
0 dB = 0.0531 W/kg = -12.75 dBW/kg

FLAT	EDGE4

Communication System: UID 0, LTE band 07 (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.01 S/m; ε_r = 36.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.4, 4.4, 4.4); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band7 HOT/LTE band7 20MHz 1RB 10mmM edge 4/Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0193 W/kg
  Flat-Section MSL LTE band7 HOT/LTE band7 20MHz 1RB 10mmM edge 4/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 1.183 V/m; Power Drift = 0.02 dB
  Peak SAR (extrapolated) = 0.0400 W/kg
  SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.010 W/kg
  Maximum value of SAR (measured) = 0.0196 W/kg



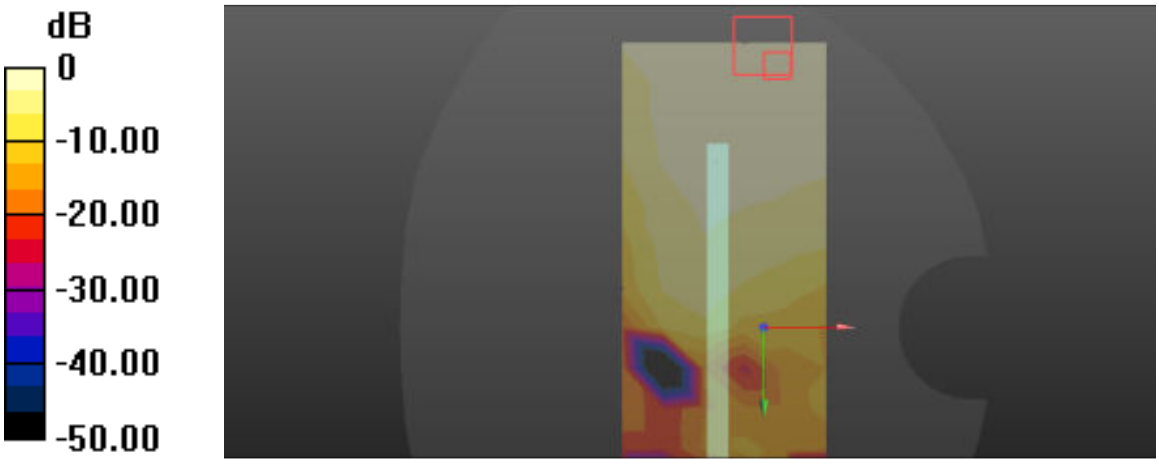
0 dB = 0.0196 W/kg = -17.08 dBW/kg

FLAT	EDGE4

Communication System: UID 0, LTE band 07 (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.01 S/m; ε_r = 36.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.4, 4.4, 4.4); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band7 HOT/LTE band7 20MHz 1RB 10mmM edge 4 2/Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0178 W/kg
  Flat-Section MSL LTE band7 HOT/LTE band7 20MHz 1RB 10mmM edge 4 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 1.043 V/m; Power Drift = 0.09 dB
  Peak SAR (extrapolated) = 0.0360 W/kg
  SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.00988 W/kg
  Maximum value of SAR (measured) = 0.0190 W/kg



0 dB = 0.0190 W/kg = -17.21 dBW/kg

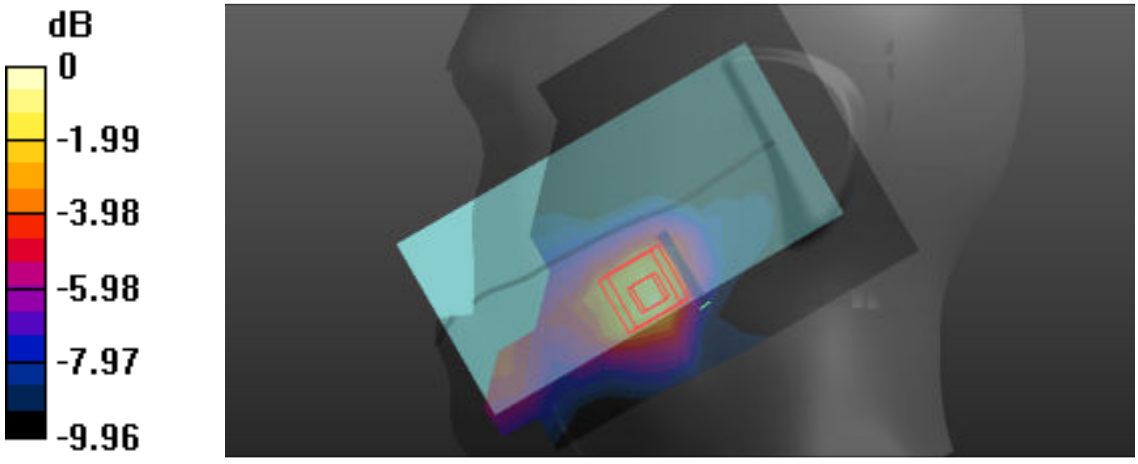
LTE (Band 7 20BW-50RB-Low/Head)

Left Side	Cheek

Communication System: UID 10169 - CAB, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2535 MHz;Duty Cycle: 1:3.74111
Medium parameters used: f = 2535 MHz; σ = 2.01 S/m; ε_r = 36.5; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.4, 4.4, 4.4); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL LTE band7 Left/LTE band7 20MHz 50RB Low HSL touch M/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0544 W/kg
  Head-Section HSL LTE band7 Left/LTE band7 20MHz 50RB Low HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 1.993 V/m; Power Drift = 0.07 dB
  Peak SAR (extrapolated) = 0.132 W/kg
  SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.030 W/kg
  Maximum value of SAR (measured) = 0.0688 W/kg



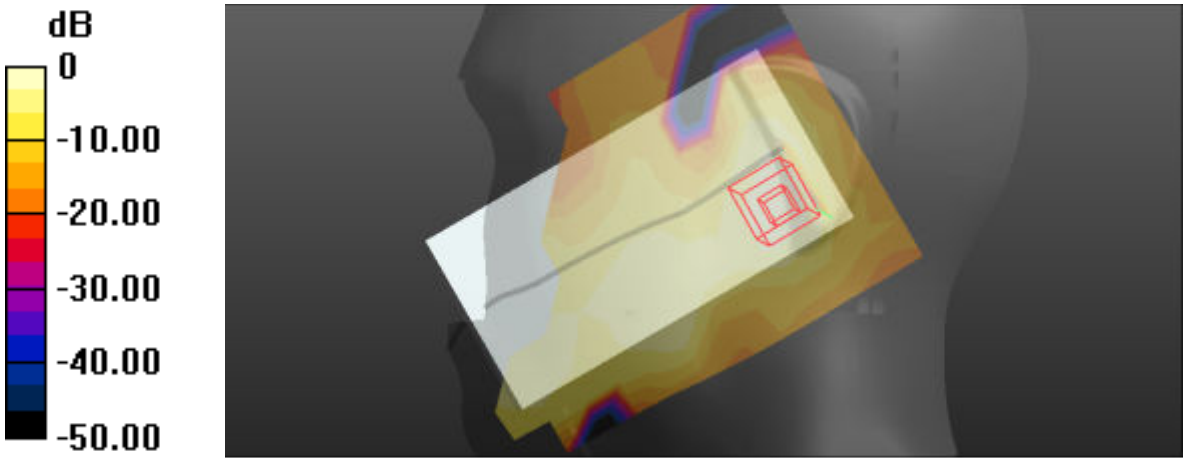
0 dB = 0.0688 W/kg = -11.62 dBW/kg

Left Side	Tilt

Communication System: UID 10297 - AAA, LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK); Frequency: 2535 MHz;Duty Cycle: 1:3.81066
Medium parameters used: f = 2535 MHz; σ = 2.01 S/m; ε_r = 36.5; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.4, 4.4, 4.4); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL LTE band7 Left/LTE band7 20MHz 50RB Low HSL tilt M/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0186 W/kg
  Head-Section HSL LTE band7 Left/LTE band7 20MHz 50RB Low HSL tilt M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 2.718 V/m; Power Drift = 0.06 dB
  Peak SAR (extrapolated) = 0.0450 W/kg
  SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.00918 W/kg
  Maximum value of SAR (measured) = 0.0254 W/kg



0 dB = 0.0254 W/kg = -15.95 dBW/kg

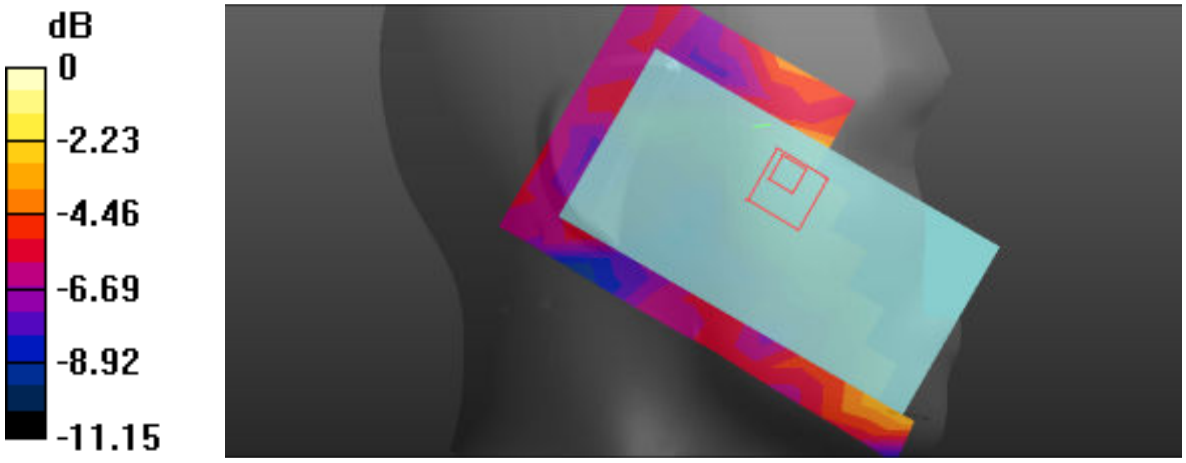
Right Side	Cheek

Communication System: UID 0, LTE band 07 (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.01 S/m; ε_r = 36.5; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.4, 4.4, 4.4); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Head-Section HSL LTE band7 Right/LTE band7 20MHz 50RB Low HSL touch M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0280 W/kg
Head-Section HSL LTE band7 Right/LTE band7 20MHz 50RB Low HSL touch M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.046 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.0730 W/kg
SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.019 W/kg
Maximum value of SAR (measured) = 0.0333 W/kg



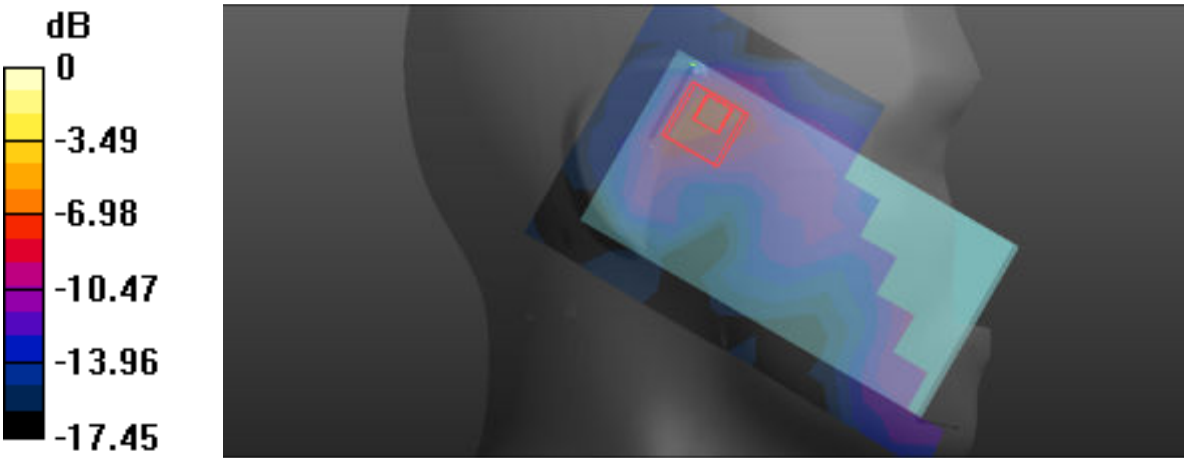
0 dB = 0.0333 W/kg = -14.78 dBW/kg

Right Side	Tilt

Communication System: UID 0, LTE band 07 (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 2.01 S/m; ε_r = 36.5; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.4, 4.4, 4.4); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Head-Section HSL LTE band7 Right/LTE band7 20MHz 50RB Low HSL tilt M/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.0188 W/kg
  Head-Section HSL LTE band7 Right/LTE band7 20MHz 50RB Low HSL tilt M/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 2.520 V/m; Power Drift = 0.04 dB
  Peak SAR (extrapolated) = 0.424 W/kg
  SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.012 W/kg
  Maximum value of SAR (measured) = 0.0995 W/kg



0 dB = 0.0995 W/kg = -10.02 dBW/kg

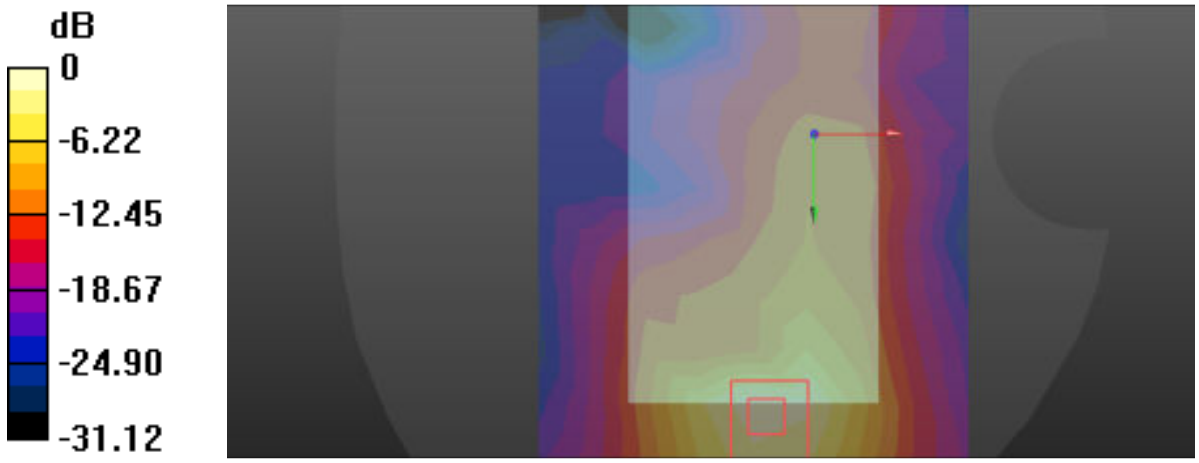
LTE (Band 7 20BW-50RB-Low/Flat)

FLAT	Towards phantom

Communication System: UID 10297 - AAA, LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK); Frequency: 2535 MHz;Duty Cycle: 1:3.81066
Medium parameters used: f = 2535 MHz; σ = 2.15 S/m; ε_r = 50.36; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.17, 4.17, 4.17); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band7 TP/LTE band7 TP 20MHz 50RB M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.263 W/kg
  Flat-Section MSL LTE band7 TP/LTE band7 TP 20MHz 50RB M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 2.398 V/m; Power Drift = 0.16 dB
  Peak SAR (extrapolated) = 0.624 W/kg
  SAR(1 g) = 0.270 W/kg; SAR(10 g) = 0.123 W/kg
  Maximum value of SAR (measured) = 0.296 W/kg



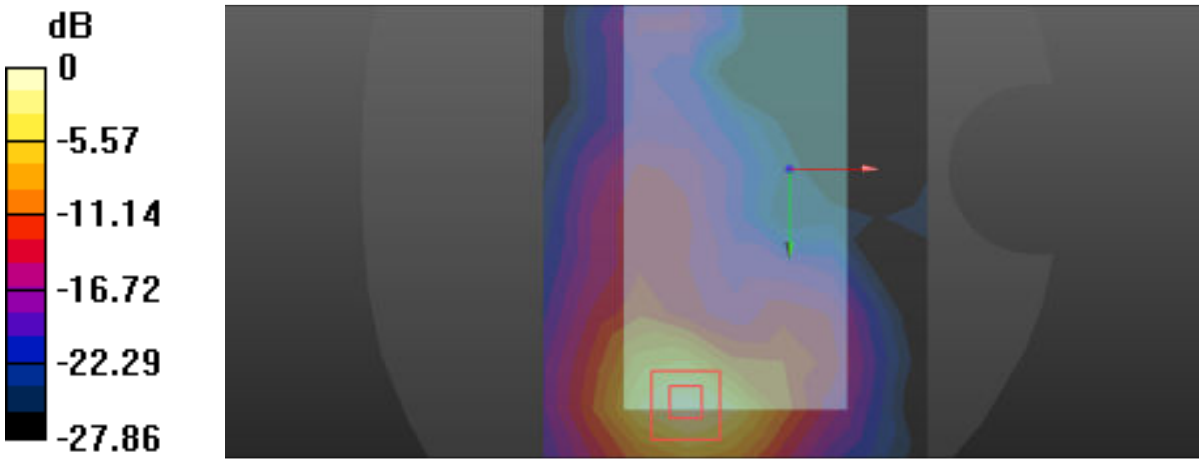
0 dB = 0.296 W/kg = -5.29 dBW/kg

FLAT	Towards ground

Communication System: UID 10297 - AAA, LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK); Frequency: 2535 MHz;Duty Cycle: 1:3.81066
Medium parameters used: f = 2535 MHz; σ = 2.15 S/m; ε_r = 50.36; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.17, 4.17, 4.17); Calibrated: 2016/8/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn546; Calibrated: 2016/8/22
- Phantom: Twin-SAM 1560; Type: QD 000 P40 CD; Serial: 1560
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
  Flat-Section MSL LTE band7 TG/LTE band7 TG 20MHz 50RB M 10mm/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
  Maximum value of SAR (measured) = 0.667 W/kg
  Flat-Section MSL LTE band7 TG/LTE band7 TG 20MHz 50RB M 10mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
  Reference Value = 1.967 V/m; Power Drift = 0.08 dB
  Peak SAR (extrapolated) = 1.51 W/kg
  SAR(1 g) = 0.613 W/kg; SAR(10 g) = 0.258 W/kg
  Maximum value of SAR (measured) = 0.688 W/kg



0 dB = 0.688 W/kg = -1.62 dBW/kg

ANNEX B – RELEVANT PAGES FROM CALIBRATION REPORTS

DAE4 Sn:546

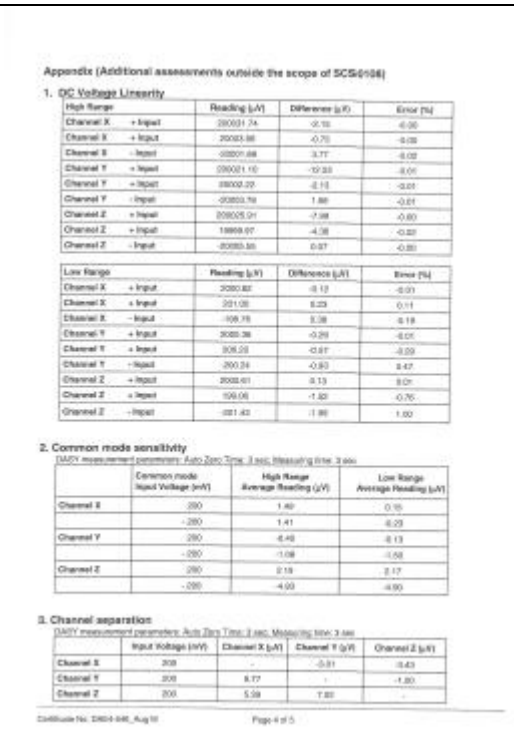
Calibration Laboratory of
Schmid & Partner
Engineering AG

CALIBRATION CERTIFICATE

Calibration Laboratory of
Schmid & Partner
Engineering AG

Glossary

Methods Applied and Interpretation of Parameters

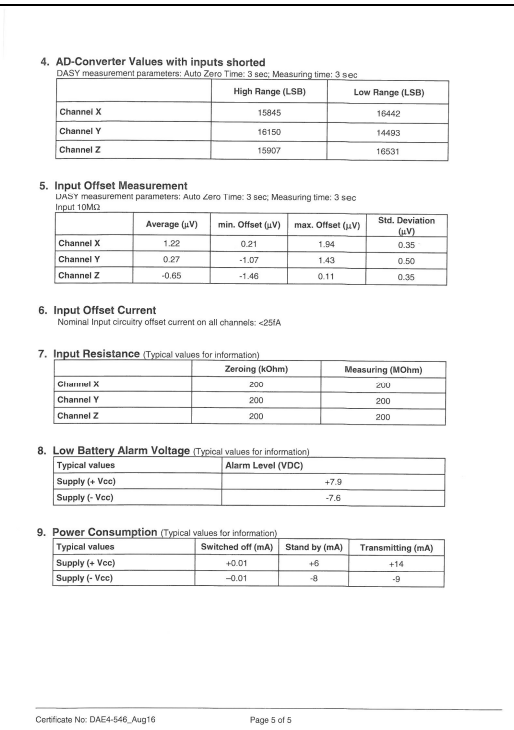


Appendix (Additional assessments outside the scope of SCS 0108)

1. DC Voltage Linearity

2. Common mode sensitivity

3. Channel separation



4. AD-Converter Values with inputs shorted

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	High Range (LSB)	Low Range (LSB)
Channel X	15845	16442
Channel Y	16150	14493
Channel Z	15907	16531

5. Input Offset Measurement

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec
Input 10MΩ

	Average (μV)	min. Offset (μV)	max. Offset (μV)	Std. Deviation (μV)
Channel X	1.22	0.21	1.94	0.35
Channel Y	0.27	-1.07	1.43	0.50
Channel Z	-0.65	-1.46	0.11	0.35

6. Input Offset Current

Nominal Input circuitry offset current on all channels: <25fA

7. Input Resistance (Typical values for information)

	Zeroing (kOhm)	Measuring (MOhm)
Channel X	200	200
Channel Y	200	200
Channel Z	200	200

8. Low Battery Alarm Voltage (Typical values for information)

Typical values	Alarm Level (VDC)
Supply (+ Vcc)	+7.9
Supply (- Vcc)	-7.6

9. Power Consumption (Typical values for information)

Typical values	Switched off (mA)	Stand by (mA)	Transmitting (mA)
Supply (+ Vcc)	+0.01	+6	+14
Supply (- Vcc)	-0.01	-8	-9

Certificate No: DAE4-546_Aug16 Page 5 of 5

DAE4 Sn:546

4. **AD-Converter Values with inputs shorted**
DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	High Range (LSB)	Low Range (LSB)
Channel X	15845	16442
Channel Y	16150	14493
Channel Z	15907	16531

5. **Input Offset Measurement**
DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec
Input 10MΩ

	Average (μV)	min. Offset (μV)	max. Offset (μV)	Std. Deviation (μV)
Channel X	1.22	0.21	1.94	0.35
Channel Y	0.27	-1.07	1.43	0.50
Channel Z	-0.65	-1.46	0.11	0.35

6. **Input Offset Current**
Nominal Input circuitry offset current on all channels: <25fA

7. **Input Resistance** (Typical values for information)

	Zeroing (kOhm)	Measuring (MOhm)
Channel X	200	200
Channel Y	200	200
Channel Z	200	200

8. **Low Battery Alarm Voltage** (Typical values for information)

Typical values	Alarm Level (VDC)
Supply (+ Vcc)	+7.9
Supply (- Vcc)	-7.6

9. **Power Consumption** (Typical values for information)

Typical values	Switched off (mA)	Stand by (mA)	Transmitting (mA)
Supply (+ Vcc)	+0.01	+6	+14
Supply (- Vcc)	−0.01	-8	-9

Certificate No: DAE4-546_Aug16 Page 5 of 5

DAE4 Sn:720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CALIBRATION CERTIFICATE

DAE4 Sn:720

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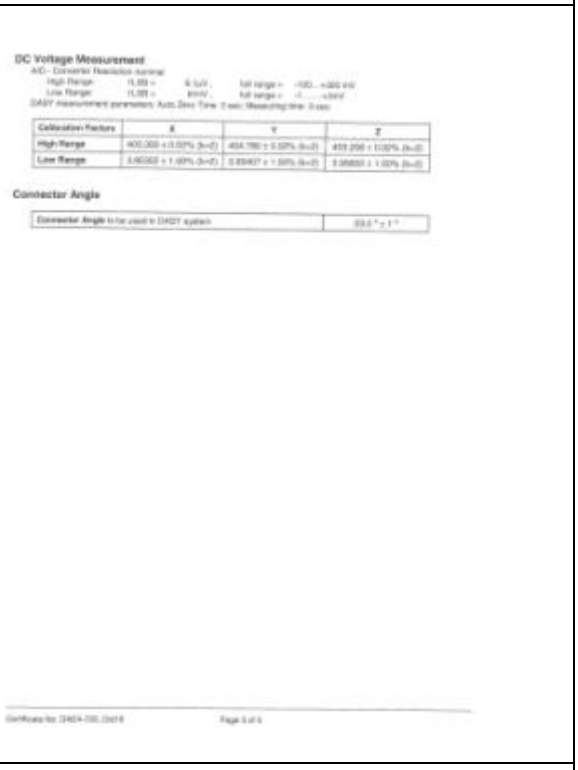
S C S B

Glossary

DAE data acquisition electronics
Connector angle information used in DASY system to align probe sensor X to the robot coordinate system.

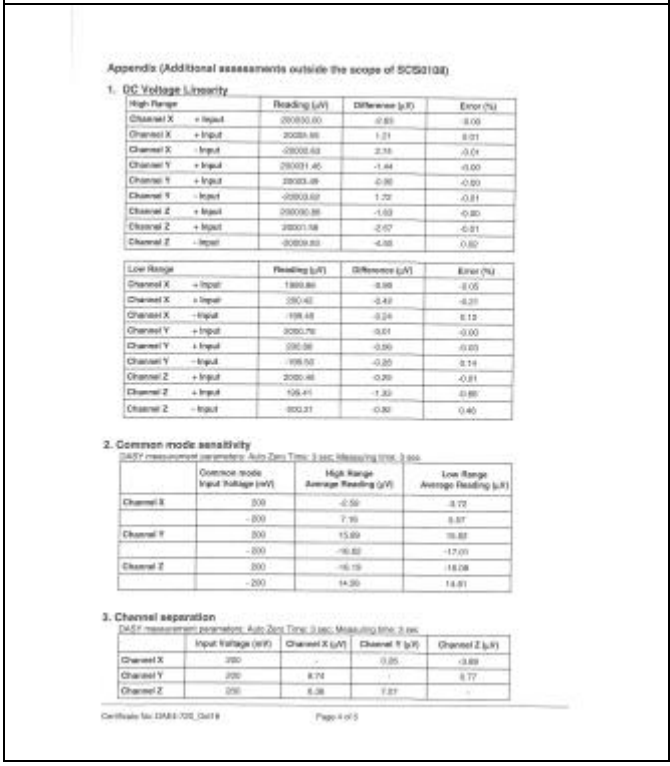
Methods Applied and Interpretation of Parameters

- *DC Voltage Measurement*: Calibration Factor assessed for use in DASY system by comparison with a calibrated instrument traceable to national standards. The figure given corresponds to the full scale range of the voltmeter in the respective range.
- *Connector angle*: The angle of the connector is assessed measuring the angle mechanically by a tool inserted. Uncertainty is not required.
- The following parameters as documented in the Appendix contain technical information as a result from the performance test and require no uncertainty.
  - *DC Voltage Measurement Linearity*: Verification of the Linearity at +10% and -10% of the nominal calibration voltage. Influence of offset voltage is included in this measurement.
  - *Common mode sensitivity*: Influence of a positive or negative common mode voltage on the differential measurement.
  - *Channel separation*: Influence of a voltage on the neighbor channels not subject to an input voltage.
  - *AD Converter Values with inputs shorted*: Values on the internal AD converter corresponding to zero input voltage
  - *Input Offset Measurement*: Output voltage and statistical results over a large number of zero voltage measurements.
  - *Input Offset Current*: Typical value for information; Maximum channel input offset current, not considering the input resistance.
  - *Input resistance*: Typical value for information; DAE input resistance at the connector, during internal auto-zeroing and during measurement.
  - *Low Battery Alarm Voltage*: Typical value for information. Below this voltage, a battery alarm signal is generated.
  - *Power consumption*: Typical value for information. Supply currents in various operating modes.



DC Voltage Measurement

Connector Angle



Appendix (Additional assessments outside the scope of SCS0108)

1. DC Voltage Linearity

High Range		Reading (μV)	Difference (μV)	Error (%)
Channel X	+ Input	200000.00	-0.93	-0.00
Channel X	+ Input	20089.66	1.21	0.01
Channel X	- Input	-20008.63	2.16	-0.01
Channel Y	+ Input	200031.45	-1.44	-0.00
Channel Y	+ Input	20003.08	-0.86	-0.00
Channel Y	- Input	-20003.02	1.72	-0.01
Channel Z	+ Input	200090.88	-1.03	-0.00
Channel Z	+ Input	20001.58	-2.07	-0.01
Channel Z	- Input	-20009.83	-4.08	0.02

Low Range		Reading (μV)	Difference (μV)	Error (%)
Channel X	+ Input	1999.86	-0.98	-0.05
Channel X	+ Input	200.40	-0.49	-0.21
Channel X	- Input	-199.48	-0.24	0.13
Channel Y	+ Input	2000.76	-0.01	-0.00
Channel Y	+ Input	200.08	-0.59	-0.03
Channel Y	- Input	-199.50	-0.25	0.14
Channel Z	+ Input	2000.46	-0.29	-0.01
Channel Z	+ Input	199.41	-1.30	-0.66
Channel Z	- Input	-200.21	-0.80	0.40

2. Common mode sensitivity

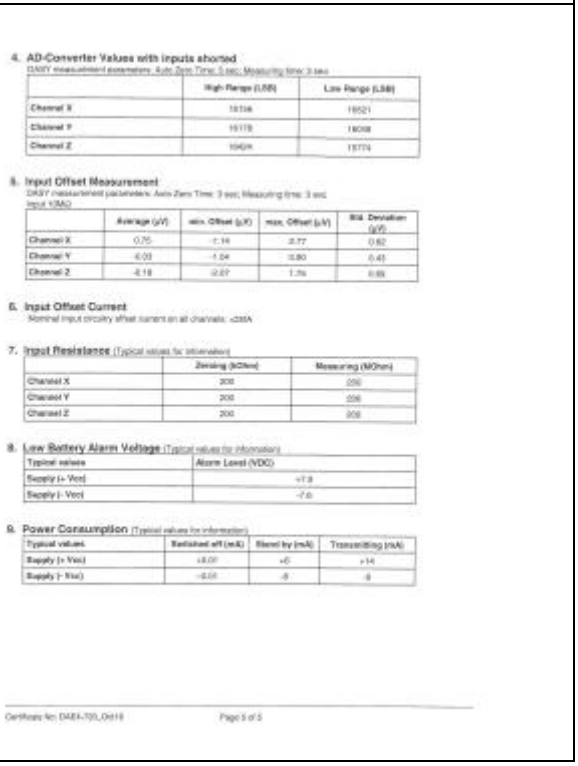
DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	Common mode Input Voltage (mV)	High Range Average Reading (μV)	Low Range Average Reading (μV)
Channel X	200	-2.59	-2.72
	- 200	7.16	5.97
Channel Y	200	13.89	15.82
	- 200	-16.82	-17.01
Channel Z	200	-16.19	-16.08
	- 200	14.30	14.61

3. Channel separation

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	Input Voltage (mV)	Channel X (μV)	Channel Y (μV)	Channel Z (μV)
Channel X	200	-	-0.85	-0.89
Channel Y	200	8.74	-	8.77
Channel Z	200	5.38	7.87	-



4. AD-Converter Values with inputs shorted

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	High Range (LSB)	Low Range (LSB)
Channel X	16194	16521
Channel Y	16179	16008
Channel Z	16624	15774

5. Input Offset Measurement

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec
Input 10MΩ

	Average (μV)	min. Offset (μV)	max. Offset (μV)	Std. Deviation (μV)
Channel X	0.75	-1.14	2.77	0.62
Channel Y	4.03	-1.04	10.80	0.43
Channel Z	-4.18	-12.07	1.76	0.69

6. Input Offset Current

Nominal input circuitry offset current on all channels: <25fA

7. Input Resistance (Typical values for information)

	Zeroing (kOhm)	Measuring (MOhm)
Channel X	200	200
Channel Y	200	200
Channel Z	200	200

8. Low Battery Alarm Voltage (Typical values for information)

Typical values	Alarm Level (VDC)
Supply (+ Vcc)	+7.9
Supply (- Vcc)	-7.6

9. Power Consumption (Typical values for information)

Typical values	Switched off (mA)	Stand by (mA)	Transmitting (mA)
Supply (+ Vcc)	+0.01	+6	+14
Supply (- Vcc)	-0.01	-8	-9

ES3DV3 Sn:3127

Calibration Laboratory of
Schmid & Partner
Engineering AG

CALIBRATION CERTIFICATE

Calibration Laboratory of
Schmid & Partner
Engineering AG

Glossary:

Calibration is Performed According to the Following Standards:

Methods Applied and Interpretation of Parameters:

Probe ES3DV3

SN:3127

Manufactured: July 11, 2006
Calibrated: August 29, 2016

Calibrated for DASY/EASY Systems

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3127

Basic Calibration Parameters

Modulation Calibration Parameters

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

ES3DV3 Sn:3127

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3127

Calibration Parameter Determined in Head Tissue Simulating Media

f [MHz]	Relative Permittivity	Conductivity [S/m]	ConvF X	ConvF Y	ConvF Z	Alpha	Depth [mm]	Unc (k=2)
450	43.5	0.87	9.74	9.74	9.74	0.21	2.30	± 13.3 %
750	41.9	0.89	8.55	8.55	8.55	0.62	1.37	± 12.0 %
900	41.5	0.97	8.20	8.20	8.20	0.54	1.41	± 12.0 %
1450	40.5	1.20	8.44	8.44	8.44	0.80	1.08	± 12.0 %
1810	40.0	1.40	8.15	8.15	8.15	0.80	1.16	± 12.0 %
2000	40.0	1.40	8.11	8.11	8.11	0.86	1.28	± 12.0 %
2300	39.5	1.67	4.83	4.83	4.83	0.80	1.19	± 12.0 %
2450	39.2	1.80	4.81	4.81	4.81	0.67	1.38	± 12.0 %
2600	39.0	1.96	4.40	4.40	4.40	0.79	1.36	± 12.0 %

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3127

Calibration Parameter Determined in Body Tissue Simulating Media

f [MHz]	Relative Permittivity	Conductivity [S/m]	ConvF X	ConvF Y	ConvF Z	Alpha	Depth [mm]	Unc (k=2)
450	56.7	0.94	9.39	9.39	9.39	0.12	2.10	± 13.3 %
750	55.5	0.96	8.72	8.72	8.72	0.12	0.80	1.14 ± 12.0 %
900	55.0	1.05	8.15	8.15	8.15	0.19	0.80	1.33 ± 12.0 %
1450	54.0	1.30	8.29	8.29	8.29	0.20	0.74	1.71 ± 12.0 %
1810	53.3	1.52	8.00	8.00	8.00	0.43	1.09	± 12.0 %
2000	53.3	1.52	8.02	8.02	8.02	0.55	1.48	± 12.0 %
2300	52.9	1.81	4.69	4.69	4.69	0.80	1.24	± 12.0 %
2450	52.7	1.95	4.38	4.38	4.38	0.71	1.22	± 12.0 %
2600	52.5	2.16	4.17	4.17	4.17	0.80	1.11	± 12.0 %

Frequency Response of E-Field

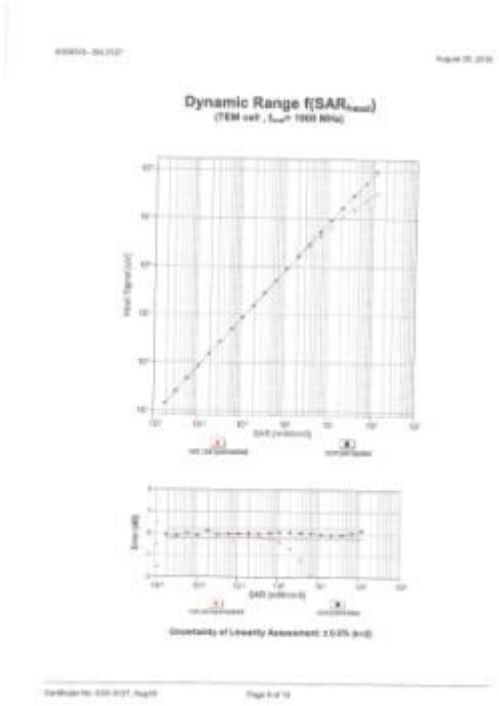
(TEM-Cell:ifi110 EXX, Waveguide: R22)

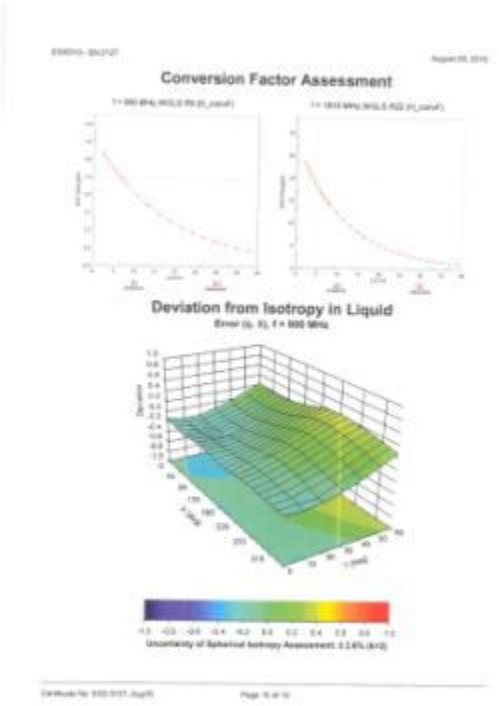
Receiving Pattern (φ), ϑ = 0°

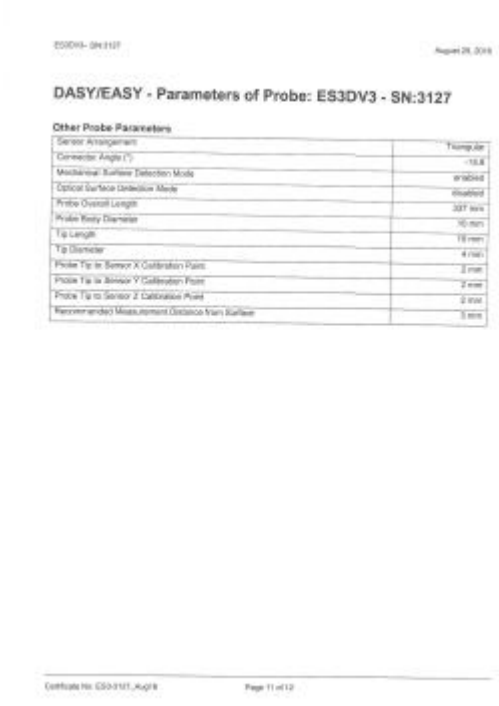
f=600 MHz,TEM

f=1800 MHz,R22

ES3DV3 Sn:3127



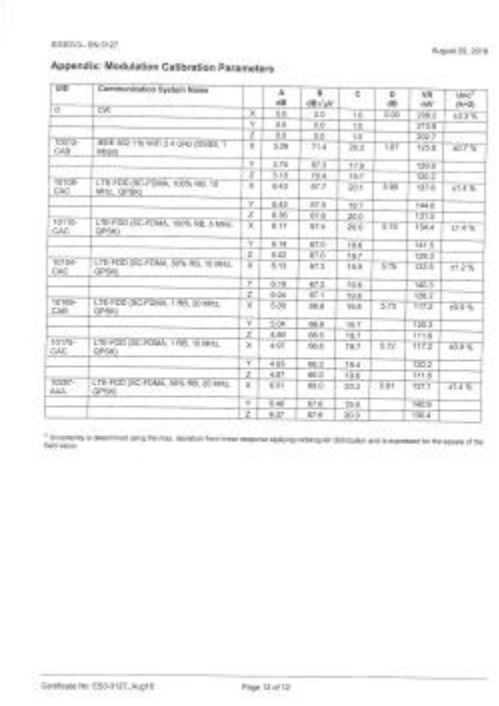




DASY/EASY - Parameters of Probe: ES3DV3 - SN:3127

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-13.8
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	16 mm
Tip Diameter	4 mm
Probe Tip to Sensor X Calibration Point	2 mm
Probe Tip to Sensor Y Calibration Point	2 mm
Probe Tip to Sensor Z Calibration Point	2 mm
Recommended Measurement Distance from Surface	3 mm



Appendix: Modulation Calibration Parameters

EX3DV4 Sn:3708

Calibration Laboratory of
Schmid & Partner
Engineering AG

CALIBRATION CERTIFICATE

Calibration Laboratory of
Schmid & Partner
Engineering AG

Glossary:

Calibration is Performed According to the Following Standards:

Methods Applied and Interpretation of Parameters:

Probe EX3DV4

SN:3708

Manufactured: July 21, 2009
Calibrated: November 10, 2016

Calibrated for DASY/EASY Systems

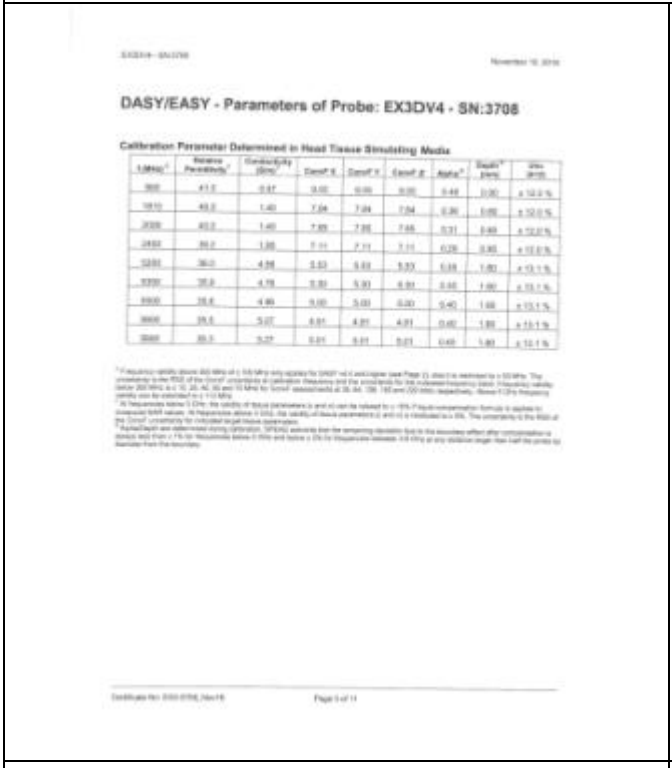
DASY/EASY - Parameters of Probe: EX3DV4 - SN:3708

Basic Calibration Parameters

Modulation Calibration Parameters

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

EX3DV4 Sn:3708

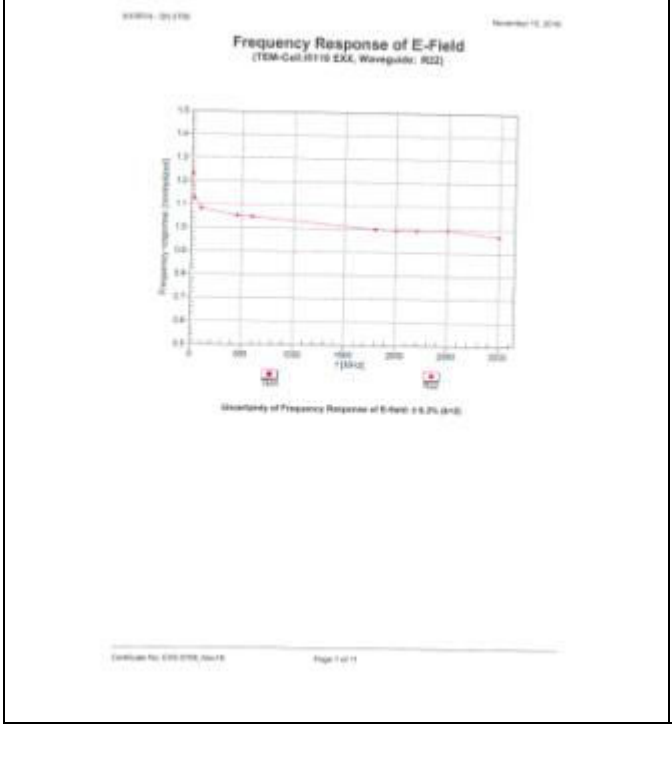


DASY/EASY - Parameters of Probe: EX3DV4 - SN:3708

Calibration Parameter Determined in Head Tissue Simulating Media

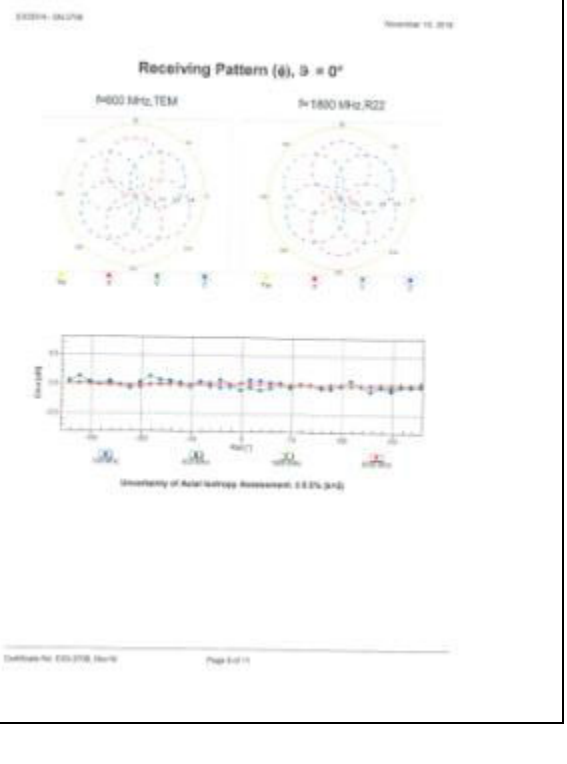
DASY/EASY - Parameters of Probe: EX3DV4 - SN:3708

Calibration Parameter Determined in Body Tissue Simulating Media



Frequency Response of E-Field

(TEM-Cell:ifi110 EXX, Waveguide: R22)

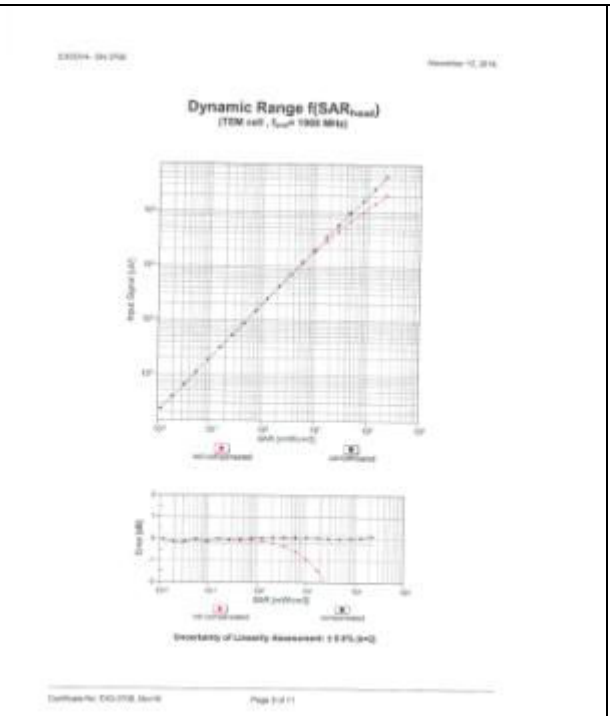


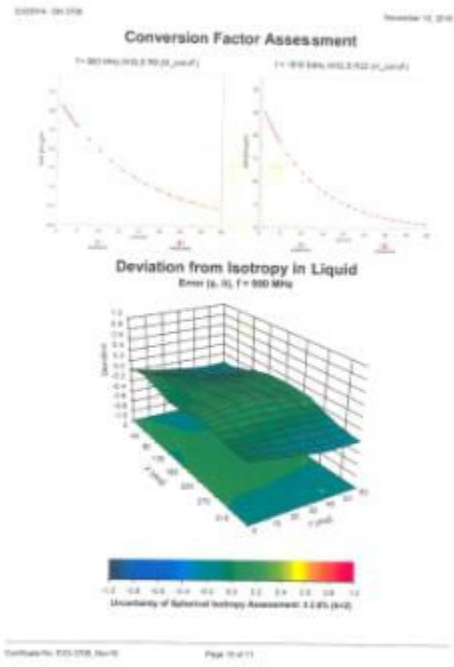
Receiving Pattern (φ), ϑ = 0°

f=600 MHz,TEM

f=1800 MHz,R22

EX3DV4 Sn:3708





D750V3 Sn:1101

Calibration Laboratory of
Schmid & Partner
Engineering AG

CALIBRATION CERTIFICATE

Calibration Laboratory of
Schmid & Partner
Engineering AG

Glossary:
TSL tissue simulating liquid
ConvF sensitivity in TSL / NORM x,y,z
N/A not applicable or not measured

Calibration is Performed According to the Following Standards:
a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
b) IEC 62209-1, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005
c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:
a) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:
- *Measurement Conditions*: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL*: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss*: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay*: One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured*: SAR measured at the stated antenna input power.
- *SAR normalized*: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters*: The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

Measurement Conditions

Head TSL parameters

SAR result with Head TSL

Body TSL parameters

SAR result with Body TSL

Appendix (Additional assessments outside the scope of SCS 0108)

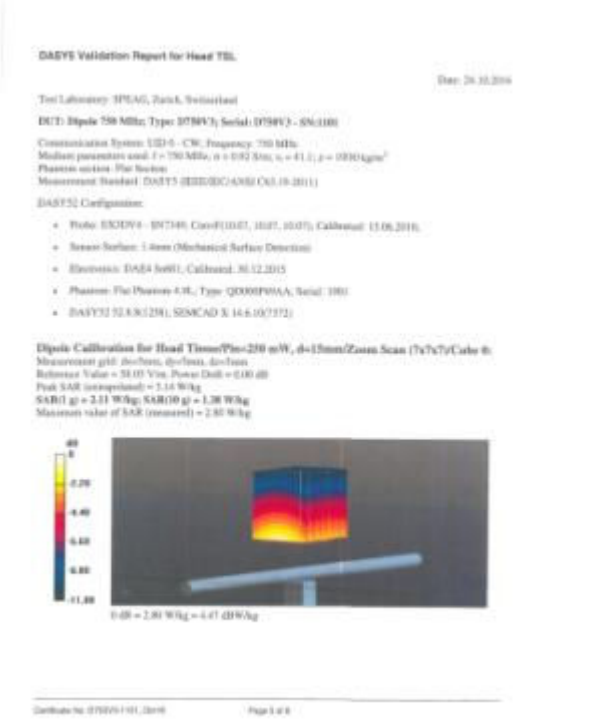
Antenna Parameters with Head TSL

Antenna Parameters with Body TSL

General Antenna Parameters and Design

Additional EUT Data

D750V3 Sn:1101


DASY5 Validation Report for Head TSL

Date: 24.10.2016

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1101

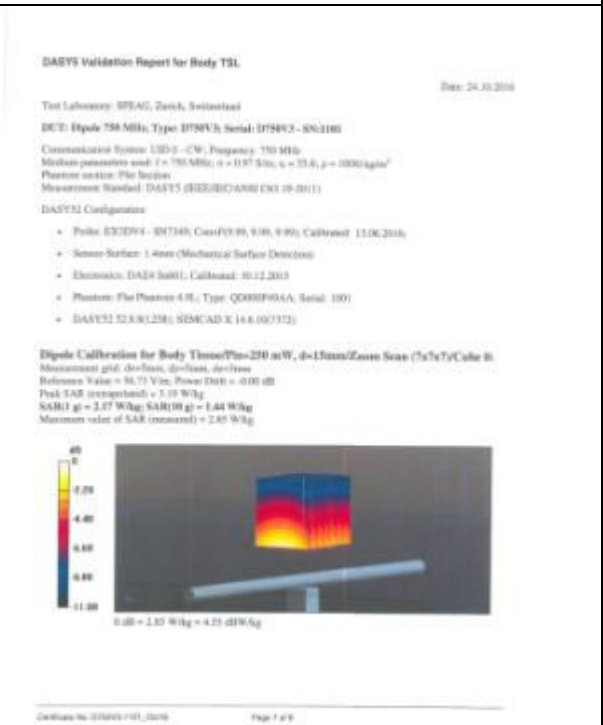
Communication System: UID 0 - CW; Frequency: 750 MHz
Medium parameters used: f = 750 MHz, σ = 0.92 S/m; ε_r = 41.1; ρ = 1000 kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 - SN7349; ConvF(10.07, 10.07, 10.07); Calibrated: 13.06.2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.12.2015
- Phantom: Flat Phantom 4.9L; Type: QD000P49AA; Serial: 1001
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7372)

Dipole Calibration for Head Tissue/Pin=250 mW, d=15mm/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 58.05 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 5.16 W/kg
SAR(1 g) = 2.11 W/kg; SAR(10 g) = 1.38 W/kg
Maximum value of SAR (measured) = 2.80 W/kg

0 dB = 2.80 W/kg = 4.47 dBW/kg


DASY5 Validation Report for Body TSL

Date: 24.10.2016

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1101

Communication System: UID 0 - CW; Frequency: 750 MHz
Medium parameters used: f = 750 MHz, σ = 0.97 S/m; ε_r = 55.6; ρ = 1000 kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 - SN7349; ConvF(9.99, 9.99, 9.99); Calibrated: 13.06.2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.12.2015
- Phantom: Flat Phantom 4.9L; Type: QD000P49AA; Serial: 1001
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7372)

Dipole Calibration for Body Tissue/Pin=250 mW, d=15mm/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.75 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 5.19 W/kg
SAR(1 g) = 2.17 W/kg; SAR(10 g) = 1.44 W/kg
Maximum value of SAR (measured) = 2.85 W/kg

0 dB = 2.85 W/kg = 4.55 dBW/kg

Impedance Measurement Plot for Head TSL

Impedance Measurement Plot for Body TSL

D835V2 Sn:4d023

Calibration Laboratory of
Schmid & Partner
Engineering AG

CALIBRATION CERTIFICATE

Calibration Laboratory of
Schmid & Partner
Engineering AG

Glossary:
TSL tissue simulating liquid
ConvF sensitivity in TSL / NORM x,y,z
N/A not applicable or not measured

Calibration is Performed According to the Following Standards:
a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
b) IEC 62209-1, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005
c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:
e) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:
- *Measurement Conditions*: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL*: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss*: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay*: One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured*: SAR measured at the stated antenna input power.
- *SAR normalized*: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters*: The measured TSL parameters are used to calculate the nominal SAR result.

This reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

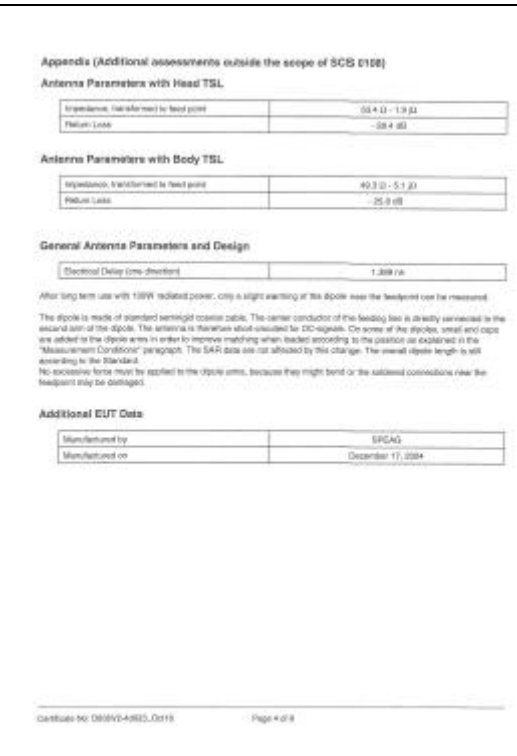
Measurement Conditions

Head TSL parameters

SAR result with Head TSL

Body TSL parameters

SAR result with Body TSL



Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Antenna Parameters with Body TSL

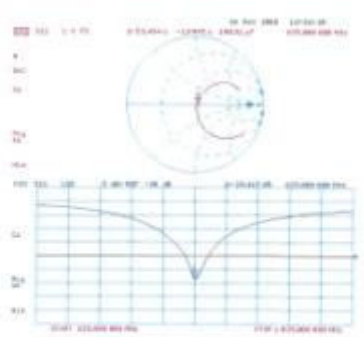
General Antenna Parameters and Design

Additional EUT Data

D835V2 Sn:4d023

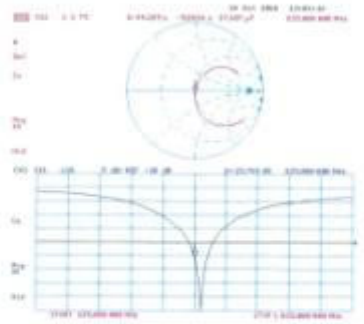
DASY5 Validation Report for Head TSL

Impedance Measurement Plot for Head TSL



DASY5 Validation Report for Body TSL

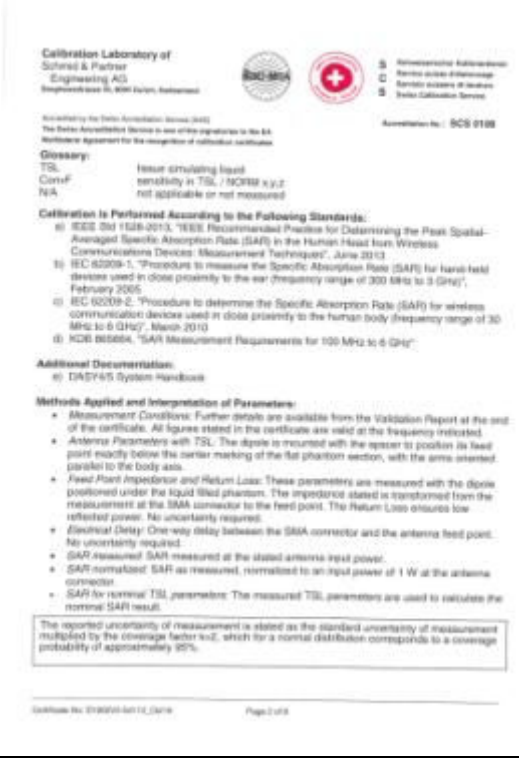
Impedance Measurement Plot for Body TSL



D1900V2 Sn:5d113

Calibration Laboratory of
Schmid & Partner
Engineering AG

CALIBRATION CERTIFICATE



Calibration Laboratory of
Schmid & Partner
Engineering AG

Glossary:
TSL tissue simulating liquid
ConvF sensitivity in TSL / NORM x,y,z
N/A not applicable or not measured

Calibration is Performed According to the Following Standards:

Additional Documentation:

Methods Applied and Interpretation of Parameters:

Measurement Conditions

Head TSL parameters

SAR result with Head TSL

Body TSL parameters

SAR result with Body TSL

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Antenna Parameters with Body TSL

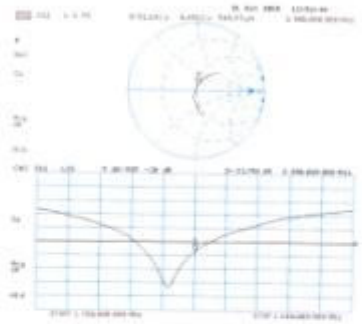
General Antenna Parameters and Design

Additional EUT Data

D1900V2 Sn:5d113

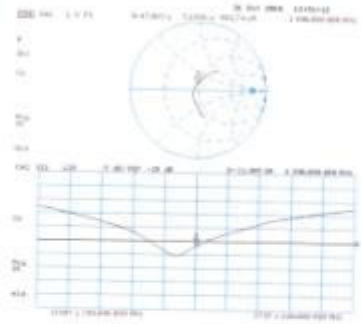
DASY5 Validation Report for Head TSL

Impedance Measurement Plot for Head TSL



DASY5 Validation Report for Body TSL

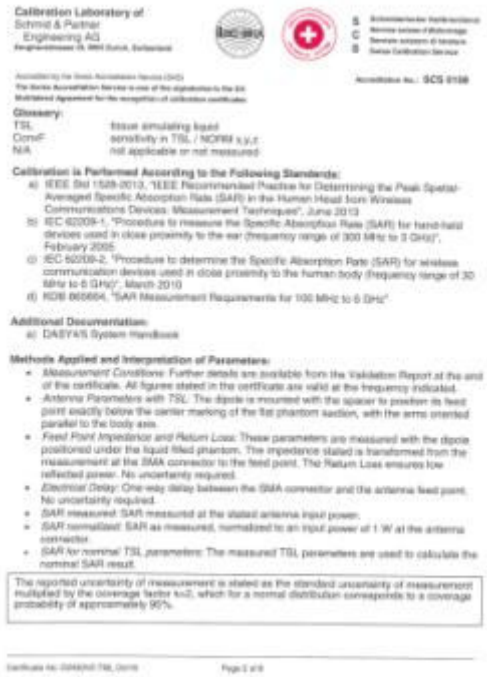
Impedance Measurement Plot for Body TSL



D2450V2 Sn:738


Calibration Laboratory of
Schmid & Partner
Engineering AG

CALIBRATION CERTIFICATE


Calibration Laboratory of
Schmid & Partner
Engineering AG

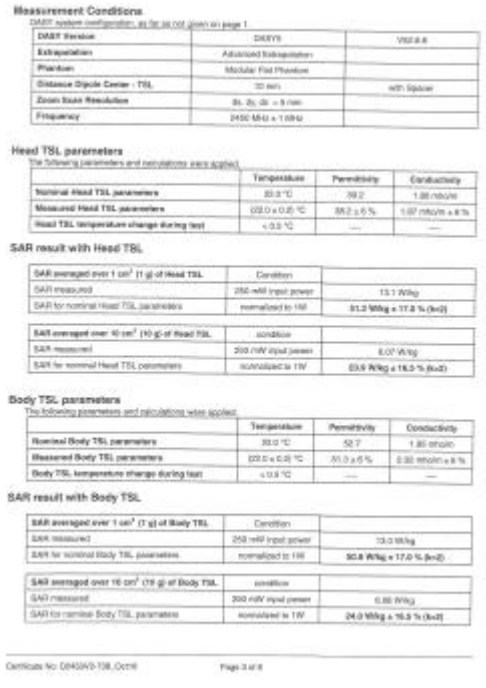
Glossary:
TSL tissue simulating liquid
ConvF sensitivity in TSL / NORM x,y,z
N/A not applicable or not measured

Calibration is Performed According to the Following Standards:
a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
b) IEC 62209-1, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005
c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:
a) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:
- *Measurement Conditions*: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL*: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss*: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay*: One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured*: SAR measured at the stated antenna input power.
- *SAR normalized*: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters*: The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.


Measurement Conditions

DASY Version	DASY5	V52.8.8
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	2450 MHz ± 1 MHz	

Head TSL parameters

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39.2	1.80 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	38.2 ± 6 %	1.87 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C	---	---

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	13.1 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	51.2 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	6.07 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.9 W/kg ± 16.5 % (k=2)

Body TSL parameters

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	52.7	1.95 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	51.3 ± 6 %	2.00 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C	---	---

SAR result with Body TSL

SAR averaged over 1 cm³ (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	13.0 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	50.8 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm³ (10 g) of Body TSL	condition	
SAR measured	250 mW input power	6.00 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	24.0 W/kg ± 16.5 % (k=2)


Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	50.6 Ω + 2.1 jΩ
Return Loss	-27.3 dB

Antenna Parameters with Body TSL

Impedance, transformed to feed point	48.7 Ω + 5.8 jΩ
Return Loss	-26.5 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.197 ns

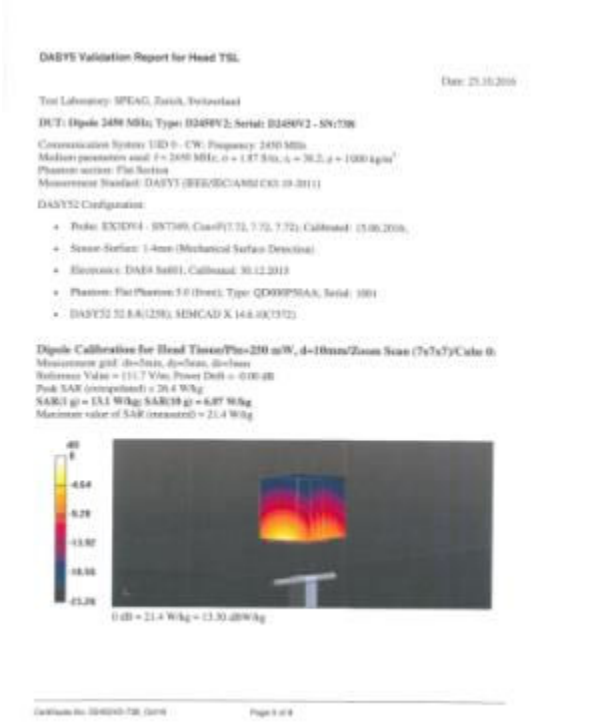
After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semi-rigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.
No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG
Manufactured on	August 05, 2005

D2450V2 Sn:738


DASY5 Validation Report for Head TSL

Date: 25.10.2016

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:738

Communication System: UID 0 - CW; Frequency: 2450 MHz
Medium parameters used: f = 2450 MHz; σ = 1.87 S/m; ε_r = 38.2; ρ = 1000 kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

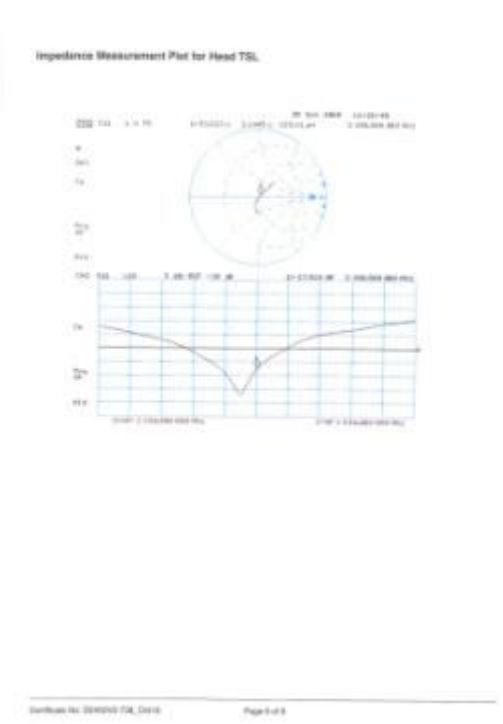
DASY52 Configuration:

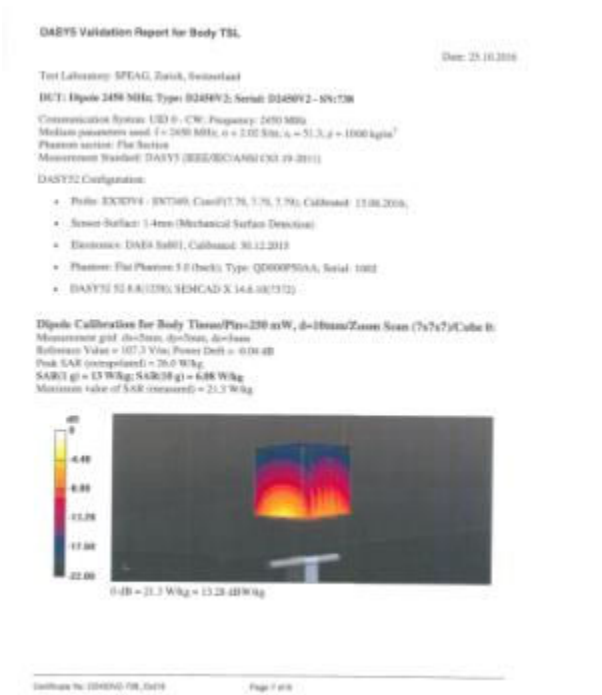
- Probe: EX3DV4 - SN7349; ConvF(7.72, 7.72, 7.72); Calibrated: 15.06.2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn801; Calibrated: 30.12.2015
- Phantom: Flat Phantom 5.0 (front); Type: QD000P50AA; Serial: 1001
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7372)

Dipole Calibration for Head Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 151.7 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 26.4 W/kg
SAR(1 g) = 13.1 W/kg; SAR(10 g) = 6.07 W/kg
Maximum value of SAR (measured) = 21.4 W/kg

0 dB = 21.4 W/kg = 13.30 dBW/kg


Impedance Measurement Plot for Head TSL


DASY5 Validation Report for Body TSL

Date: 25.10.2016

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:738

Communication System: UID 0 - CW; Frequency: 2450 MHz
Medium parameters used: f = 2450 MHz; σ = 2.02 S/m; ε_r = 51.3; ρ = 1000 kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

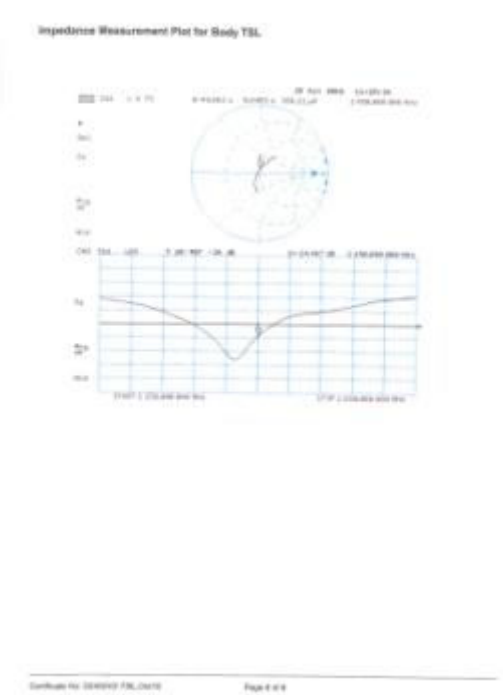
DASY52 Configuration:

- Probe: EX3DV4 - SN7349; ConvF(7.76, 7.76, 7.76); Calibrated: 15.06.2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn801; Calibrated: 30.12.2015
- Phantom: Flat Phantom 5.0 (back); Type: QD000P50AA; Serial: 1002
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7372)

Dipole Calibration for Body Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 107.3 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 26.0 W/kg
SAR(1 g) = 13 W/kg; SAR(10 g) = 6.08 W/kg
Maximum value of SAR (measured) = 21.3 W/kg

0 dB = 21.3 W/kg = 13.28 dBW/kg


Impedance Measurement Plot for Body TSL

D2600V2 Sn:1089

Calibration Laboratory of

Sony Mobile CH (Wisc)

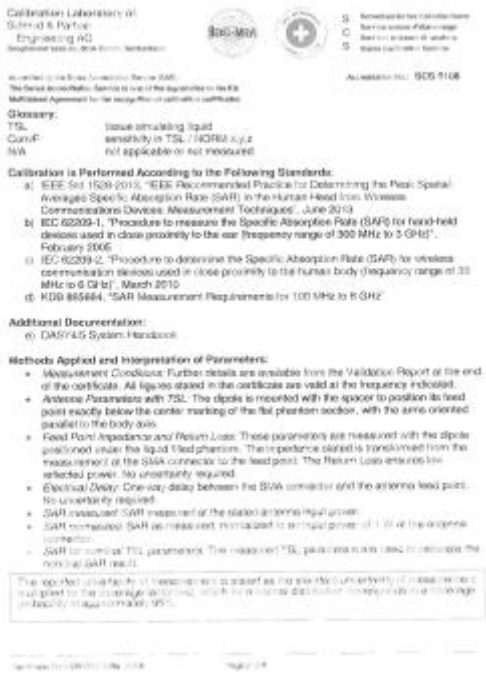
CALIBRATION CERTIFICATE

D2600V2 - SN: 1089

QA CAL-05.v8

Calibration procedure for dipole validation kits above 700 MHz

July 13, 2010



Calibration Laboratory of

Glossary:

TSL tissue simulating liquid

ConvF sensitivity in TSL / NORM x,y,z

N/A not applicable or not measured

Calibration is Performed According to the Following Standards:

a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013

b) IEC 62209-1, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005

c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010

d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

e) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions*: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL*: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss*: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay*: One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

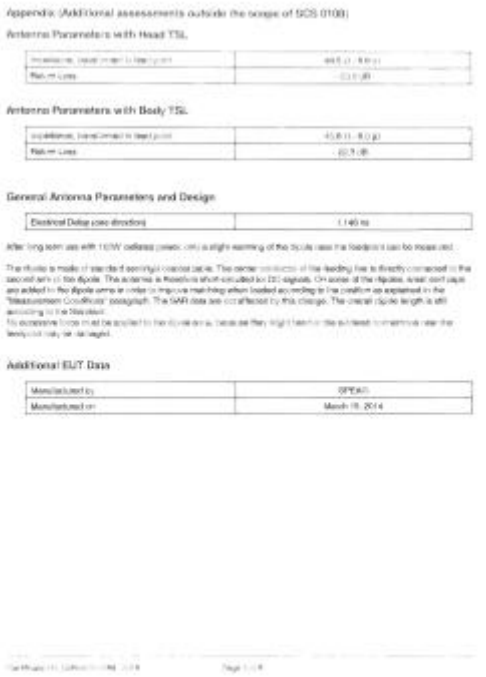
Measurement Conditions

Head TSL parameters

SAR result with Head TSL

Body TSL parameters

SAR result with Body TSL



Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

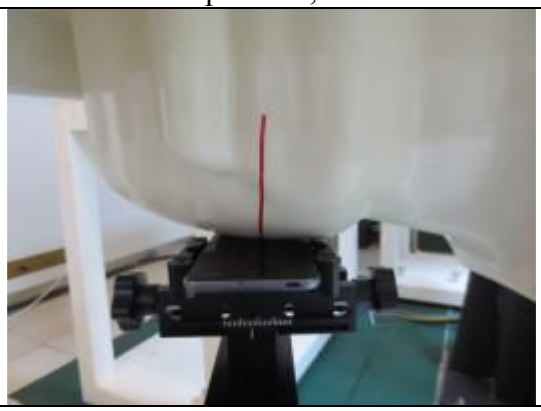
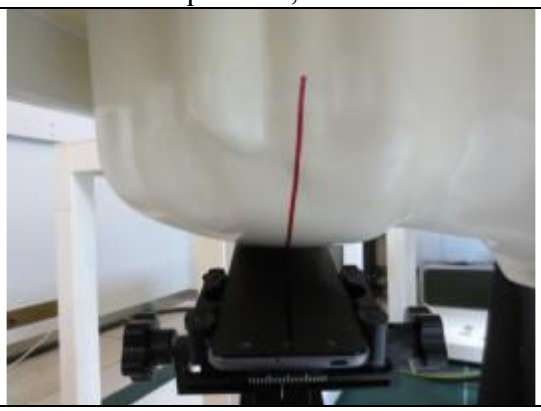
Antenna Parameters with Body TSL

General Antenna Parameters and Design

Additional EUT Data

D2600V2 Sn:1089	
DASY5 Validation Report for Head TSL DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN: 1089 DASY52 Configuration: • Electronics: DAE4 Sn601; Calibrated: 30.12.2015 Dipole Calibration for Head Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0: SAR(1 g) = 14.6 W/kg; SAR(10 g) = 6.46 W/kg	Impedance Measurement Plot for Head TSL
DASY5 Validation Report for Body TSL DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN: 1089 DASY52 Configuration: • Electronics: DAE4 Sn601; Calibrated: 30.12.2015 Dipole Calibration for Body Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:	Impedance Measurement Plot for Body TSL

ANNEX C – PHOTOGRAPH

	
Cheek position, left side	Tilt position, left side
	
Cheek position, Right side	Tilt position, Right side
	
FLAT position, Towards phantom	FLAT position, Towards ground

FLAT position, EDGE1

FLAT position, EDGE2

FLAT position, EDGE3

FLAT position, EDGE4

10mm Spacer

---End of Test Report---