



Appendix B

Detailed Test Results

1. GSM
GSM850 for Head & Body
GSM1900 for Head & Body
2. WCDMA
WCDMA Band II for Head & Body
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3. LTE
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LTE Band 5 for Head & Body
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LTE Band 12 for Head & Body
LTE Band 13 for Head & Body
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LTE Band 66 for Head & Body
LTE Band 71 for Head & Body
4. WIFI
WIFI 2.4GHz for Head & Body
WIFI 5GHz for Head & Body

Test Laboratory: SGS-SAR Lab

SM-S111DL GSM850 GSM 190CH Right cheek

DUT: SM-S111DL; Type: Mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, GSM Only Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium: HSL835; Medium parameters used: $f = 837$ MHz; $\sigma = 0.951$ S/m; $\epsilon_r = 43.198$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.34, 10.34, 10.34); Calibrated: 2019-10-22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.442 W/kg

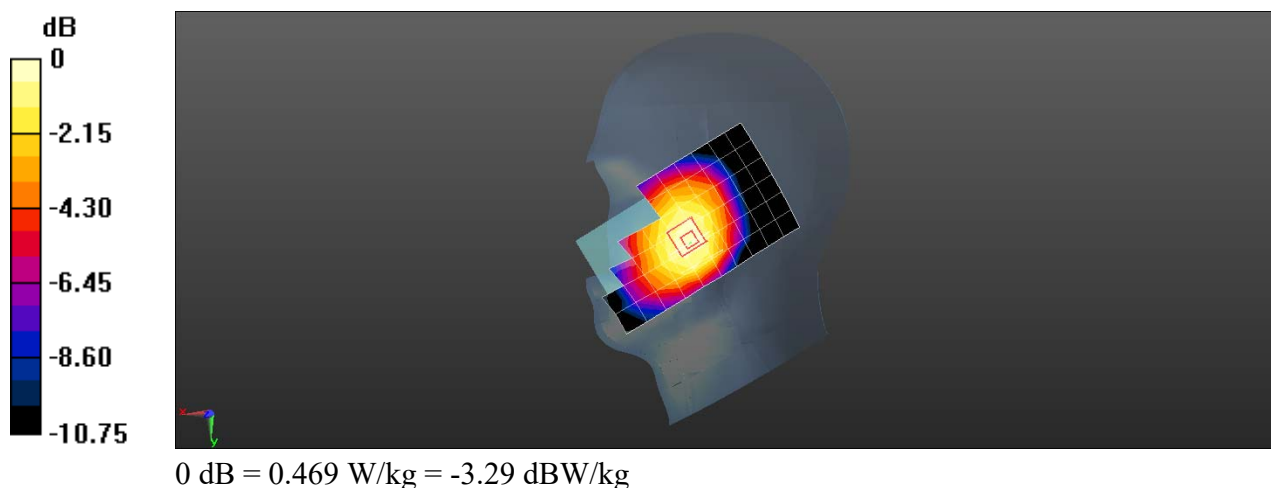
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.814 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.522 W/kg

SAR(1 g) = 0.405 W/kg; SAR(10 g) = 0.305 W/kg

Maximum value of SAR (measured) = 0.469 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL GSM850 GSM 190CH Back side 15mm

DUT: SM-S111DL; Type: Mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, GSM Only Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium: HSL835; Medium parameters used: $f = 837$ MHz; $\sigma = 0.951$ S/m; $\epsilon_r = 43.198$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.34, 10.34, 10.34); Calibrated: 2019-10-22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.556 W/kg

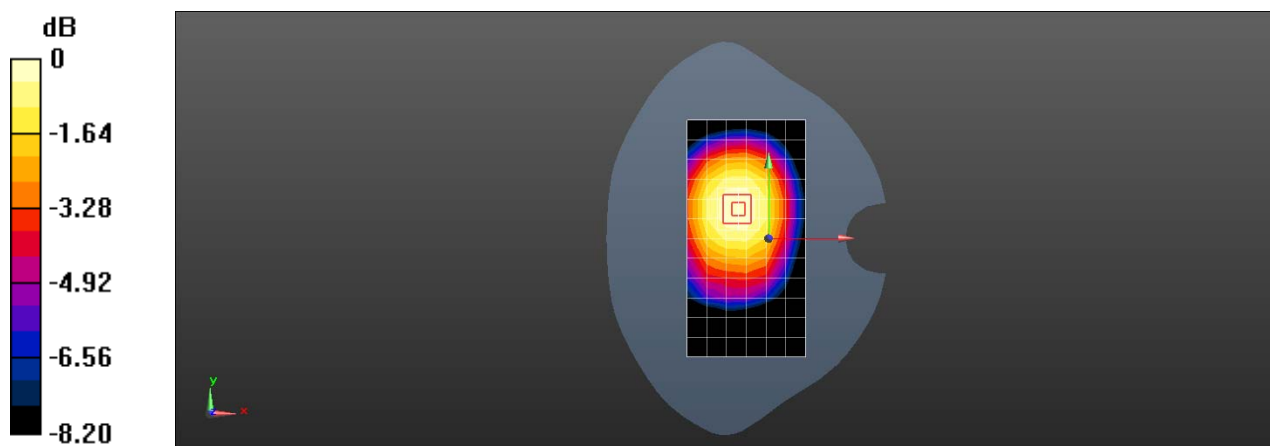
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 21.13 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.627 W/kg

SAR(1 g) = 0.498 W/kg; SAR(10 g) = 0.379 W/kg

Maximum value of SAR (measured) = 0.573 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL GSM850 GPRS 4TS 190CH Back side 10mm

DUT: SM-S111DL; Type: Mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, GPRS/EGPRS Mode(4up) Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.0797

Medium: HSL835; Medium parameters used: $f = 837$ MHz; $\sigma = 0.951$ S/m; $\epsilon_r = 43.198$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.34, 10.34, 10.34); Calibrated: 2019-10-22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.527 W/kg

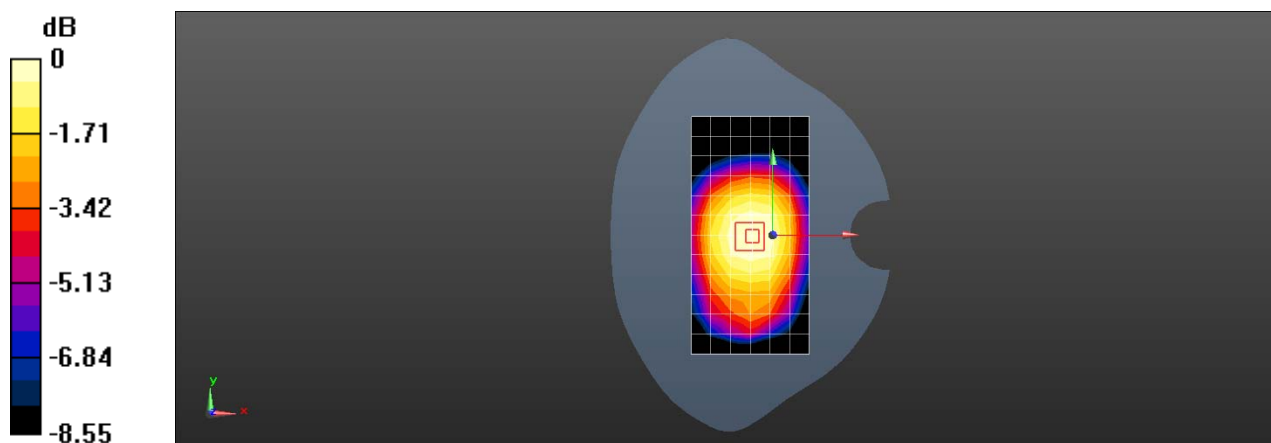
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 22.83 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.582 W/kg

SAR(1 g) = 0.448 W/kg; SAR(10 g) = 0.335 W/kg

Maximum value of SAR (measured) = 0.524 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL GSM1900 GPRS 3TS 661CH Right cheek

DUT: SM-S111DL ; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, GPRS/EGPRS Mode(3up) Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.408$ S/m; $\epsilon_r = 41.51$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(8.64, 8.64, 8.64); Calibrated: 2019-10-22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (7x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.370 W/kg

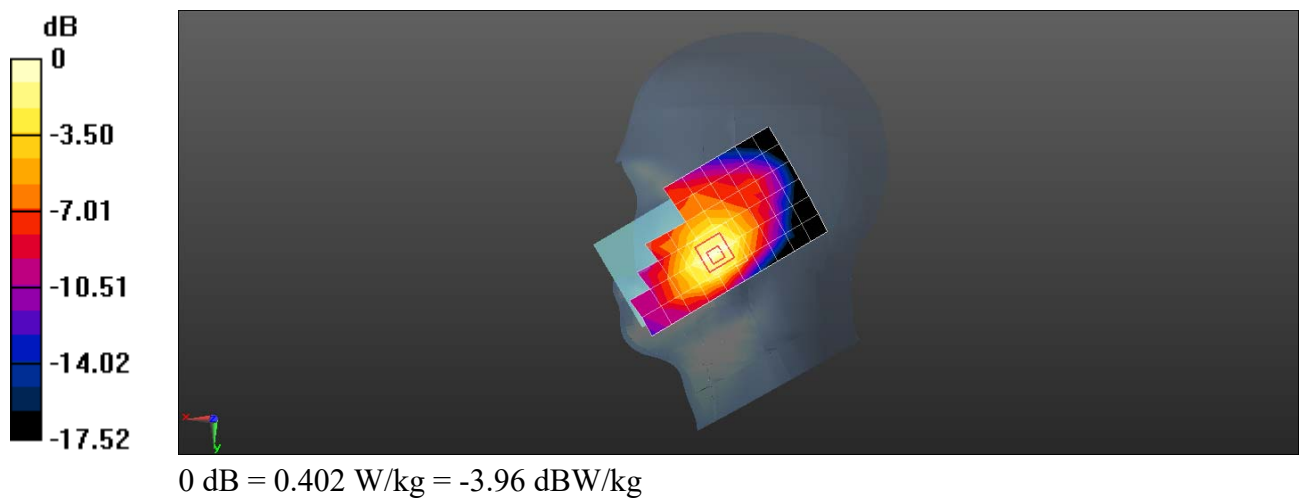
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.359 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.492 W/kg

SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.188 W/kg

Maximum value of SAR (measured) = 0.402 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL GSM1900 GSM 661CH Back side 15mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, GSM 1900 GSM; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.36$ S/m; $\epsilon_r = 40.732$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.54, 7.54, 7.54); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 8; Type: SAM; Serial: 1063
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.274 W/kg

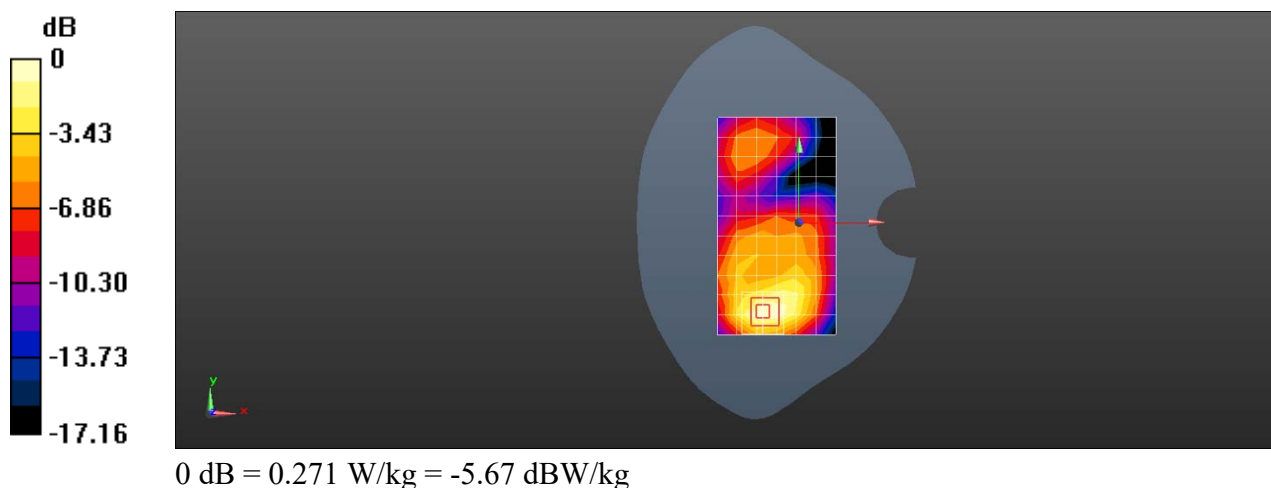
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.807 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.332 W/kg

SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.114 W/kg

Maximum value of SAR (measured) = 0.271 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL GSM1900 GPRS 4TS 661CH Bottom side 10mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, GSM 1900 4TS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.36$ S/m; $\epsilon_r = 40.732$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.54, 7.54, 7.54); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 8; Type: SAM; Serial: 1063
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.567 W/kg

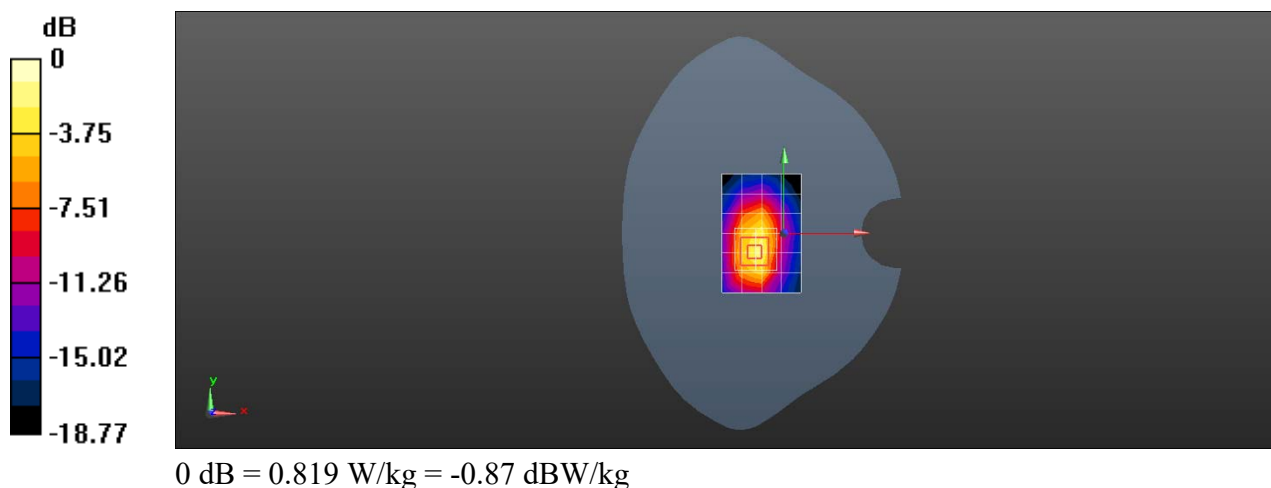
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.25 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.577 W/kg; SAR(10 g) = 0.294 W/kg

Maximum value of SAR (measured) = 0.819 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL WCDMA Band II 9400CH Right cheek

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1.579

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.36$ S/m; $\epsilon_r = 40.732$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.54, 7.54, 7.54); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 8; Type: SAM; Serial: 1063
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (7x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.276 W/kg

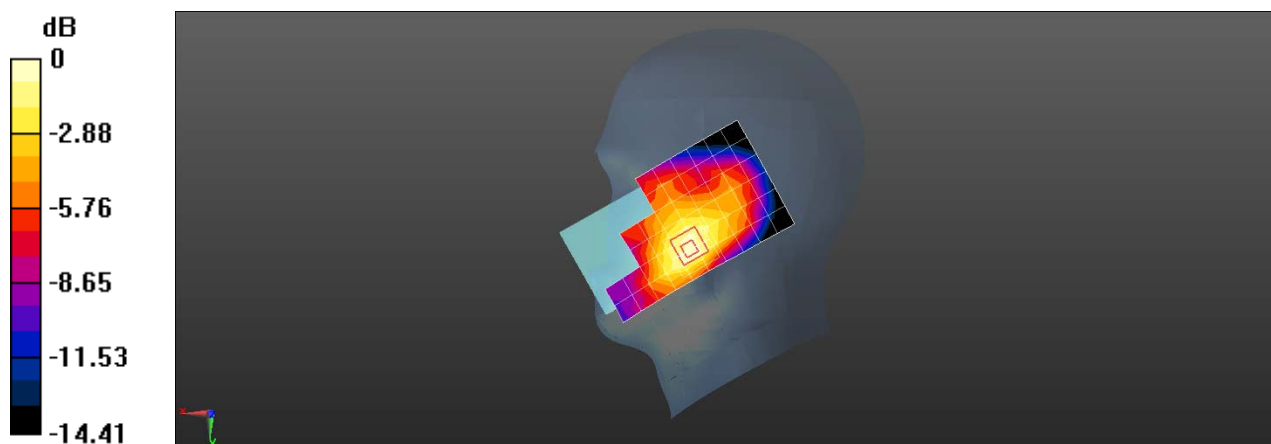
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.681 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.375 W/kg

SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.162 W/kg

Maximum value of SAR (measured) = 0.319 W/kg



0 dB = 0.319 W/kg = -4.96 dBW/kg

Test Laboratory: SGS-SAR Lab

SM-S111DL WCDMA Band II 9400CH Back side 19mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1.579

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.36$ S/m; $\epsilon_r = 40.732$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.54, 7.54, 7.54); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 8; Type: SAM; Serial: 1063
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.488 W/kg

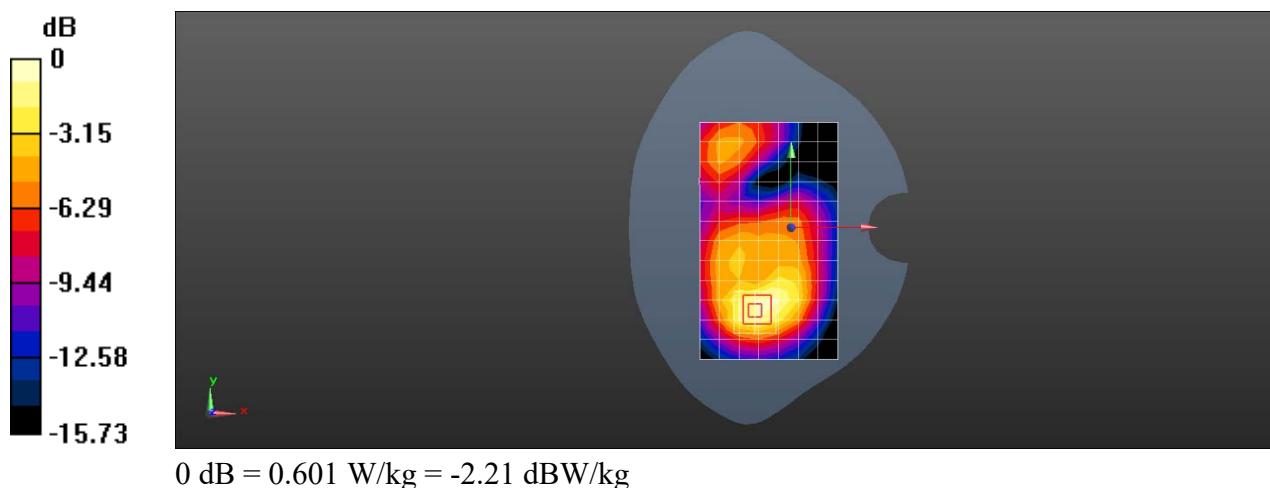
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.32 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.729 W/kg

SAR(1 g) = 0.454 W/kg; SAR(10 g) = 0.265 W/kg

Maximum value of SAR (measured) = 0.601 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL WCDMA Band II 9262CH Bottom side 10mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, WCDMA Band II; Frequency: 1852.4 MHz; Duty Cycle: 1:1.579

Medium: HSL1900; Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.351$ S/m; $\epsilon_r = 40.809$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.54, 7.54, 7.54); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 8; Type: SAM; Serial: 1063
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.707 W/kg

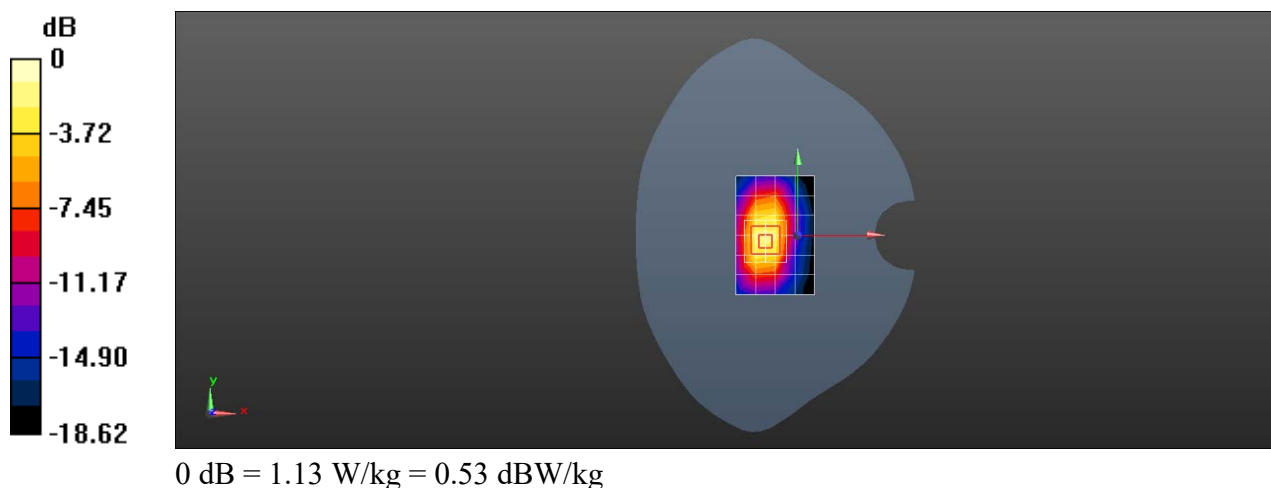
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.62 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.798 W/kg; SAR(10 g) = 0.413 W/kg

Maximum value of SAR (measured) = 1.13 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL WCDMA Band IV 1412CH Right cheek

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, WCDMA Band IV; Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.313$ S/m; $\epsilon_r = 38.554$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.85, 7.85, 7.85); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 8; Type: SAM; Serial: 1063
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.139 W/kg

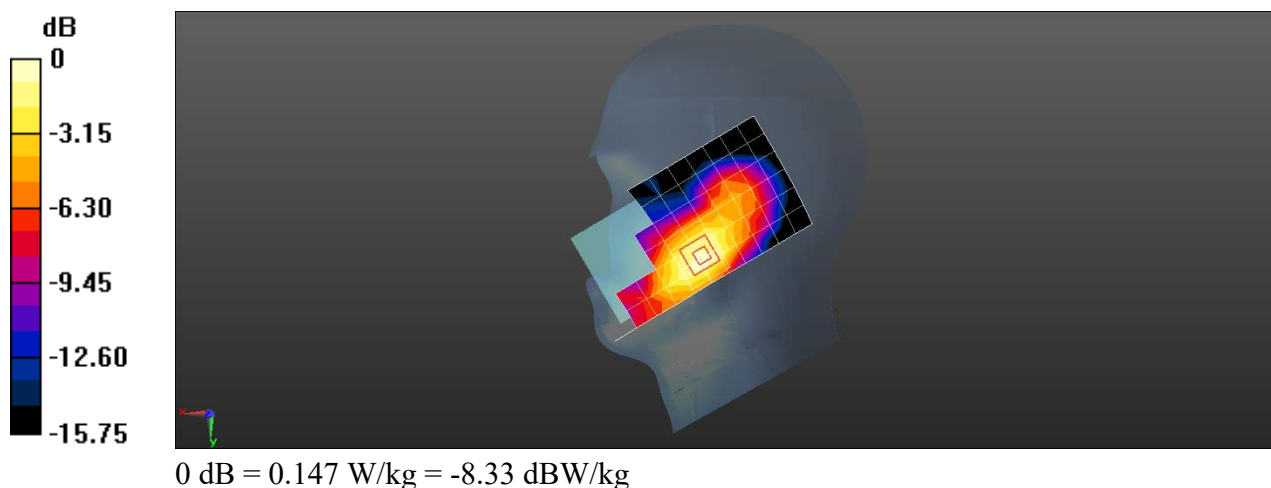
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.957 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.173 W/kg

SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.076 W/kg

Maximum value of SAR (measured) = 0.147 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL WCDMA Band IV 1412CH Back side 19mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, WCDMA Band IV; Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.313$ S/m; $\epsilon_r = 38.554$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.85, 7.85, 7.85); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 8; Type: SAM; Serial: 1063
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.883 W/kg

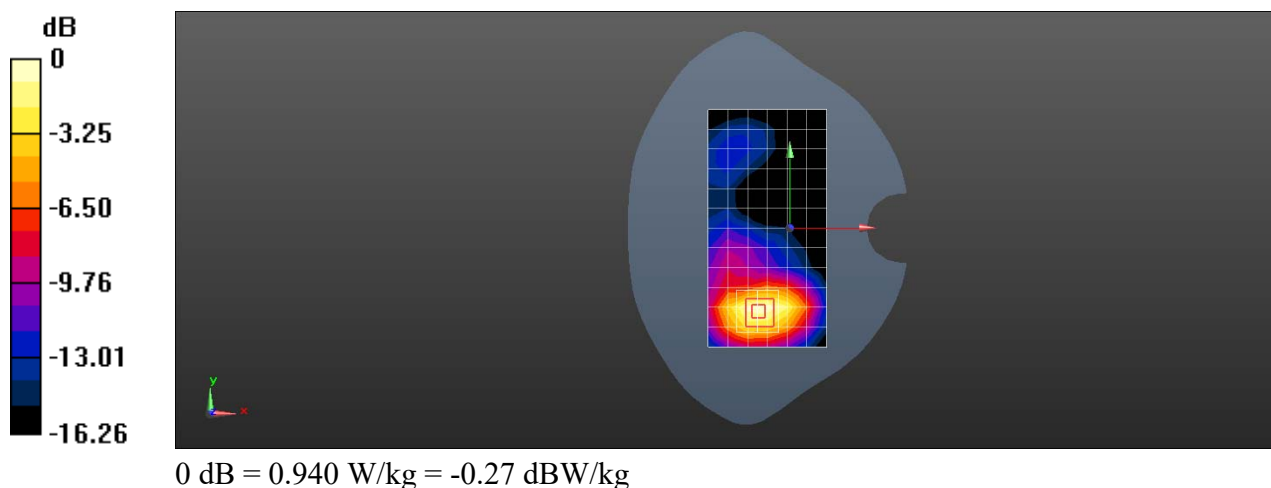
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.537 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.718 W/kg; SAR(10 g) = 0.421 W/kg

Maximum value of SAR (measured) = 0.940 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL WCDMA Band IV 1312CH Bottom side 10mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, WCDMA Band IV; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.292$ S/m; $\epsilon_r = 38.613$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.85, 7.85, 7.85); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 8; Type: SAM; Serial: 1063
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.814 W/kg

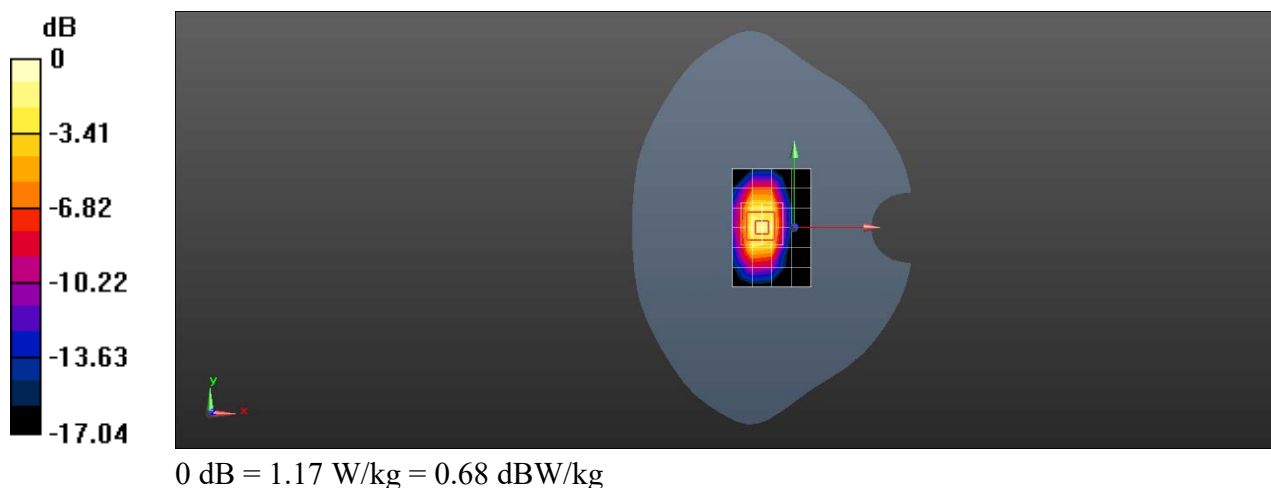
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.00 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.870 W/kg; SAR(10 g) = 0.469 W/kg

Maximum value of SAR (measured) = 1.17 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL WCDMA Band V 4182CH Left cheek

DUT: SM-S111DL; Type: Mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, WCDMA (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.951$ S/m; $\epsilon_r = 43.2$;
 $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.34, 10.34, 10.34); Calibrated: 2019-10-22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (7x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.404 W/kg

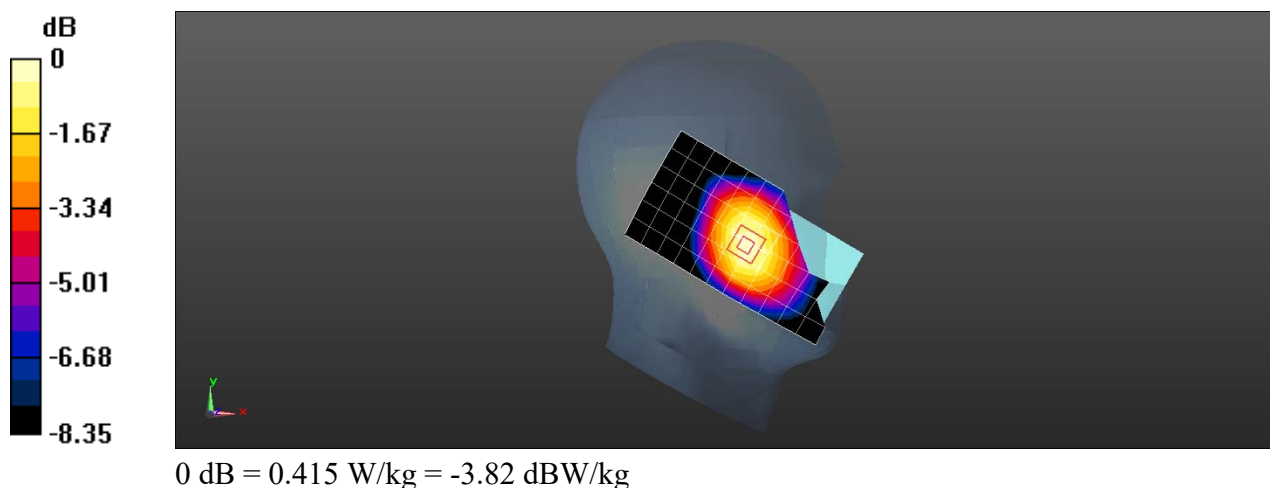
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.410 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.456 W/kg

SAR(1 g) = 0.366 W/kg; SAR(10 g) = 0.277 W/kg

Maximum value of SAR (measured) = 0.415 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL WCDMA Band V 4182CH Back side 15mm

DUT: SM-S111DL; Type: Mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, WCDMA (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.951$ S/m; $\epsilon_r = 43.2$;
 $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.34, 10.34, 10.34); Calibrated: 2019-10-22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.517 W/kg

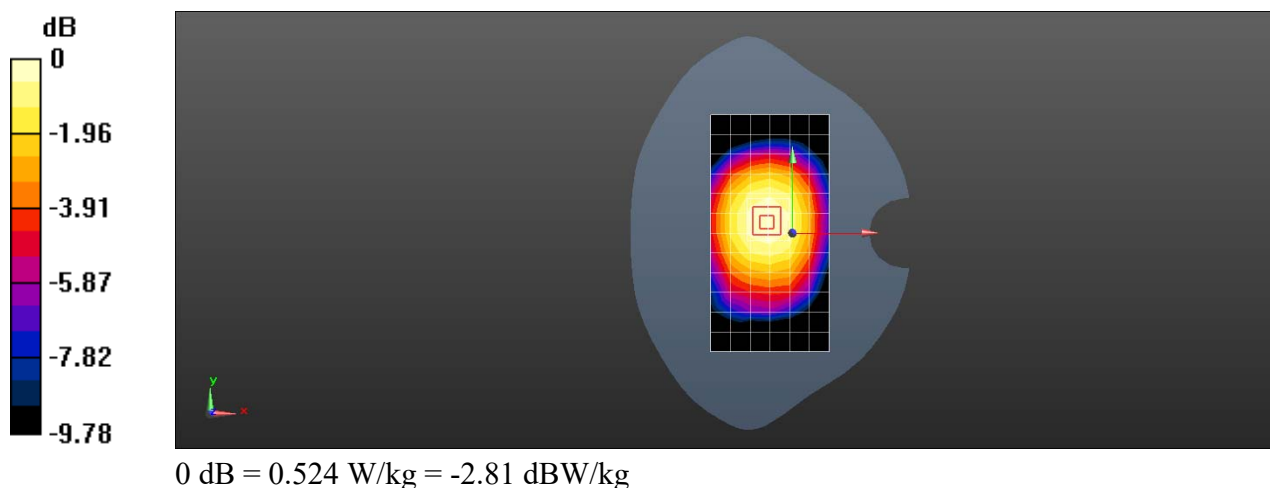
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.94 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.580 W/kg

SAR(1 g) = 0.448 W/kg; SAR(10 g) = 0.331 W/kg

Maximum value of SAR (measured) = 0.524 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL WCDMA Band V 4182CH Back side 10mm

DUT: SM-S111DL; Type: Mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, WCDMA (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.951$ S/m; $\epsilon_r = 43.2$;
 $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(10.34, 10.34, 10.34); Calibrated: 2019-10-22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.572 W/kg

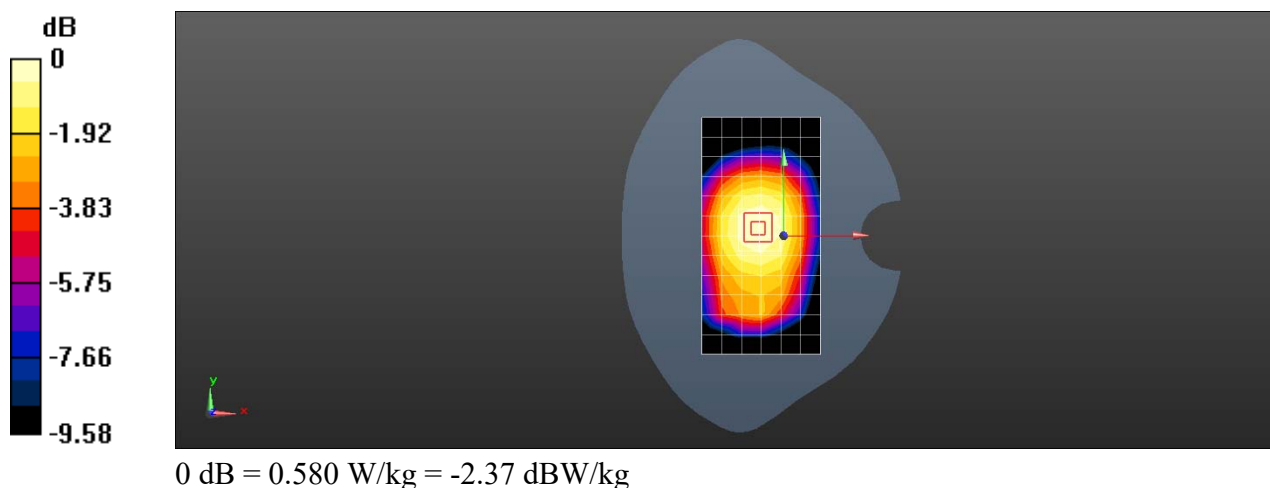
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.32 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.639 W/kg

SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.376 W/kg

Maximum value of SAR (measured) = 0.580 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 2 20M QPSK 1RB50 18700CH Right cheek

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ Communication

System: UID 0, LTE Band 2; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1860$ MHz; $\sigma = 1.35$ S/m; $\epsilon_r = 40.814$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.54, 7.54, 7.54); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 8; Type: SAM; Serial: 1063
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (7x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.354 W/kg

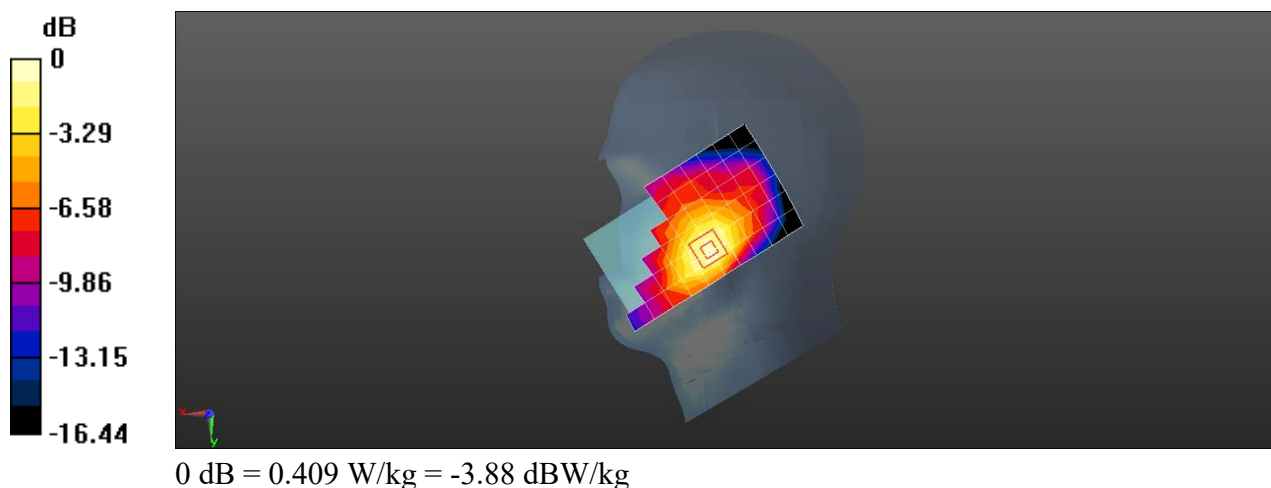
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.593 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.487 W/kg

SAR(1 g) = 0.325 W/kg; SAR(10 g) = 0.204 W/kg

Maximum value of SAR (measured) = 0.409 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 2 20M QPSK 1RB50 18700CH Back side 19mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ Communication

System: UID 0, LTE Band 2; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1860$ MHz; $\sigma = 1.35$ S/m; $\epsilon_r = 40.814$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.54, 7.54, 7.54); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 8; Type: SAM; Serial: 1063
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.537 W/kg

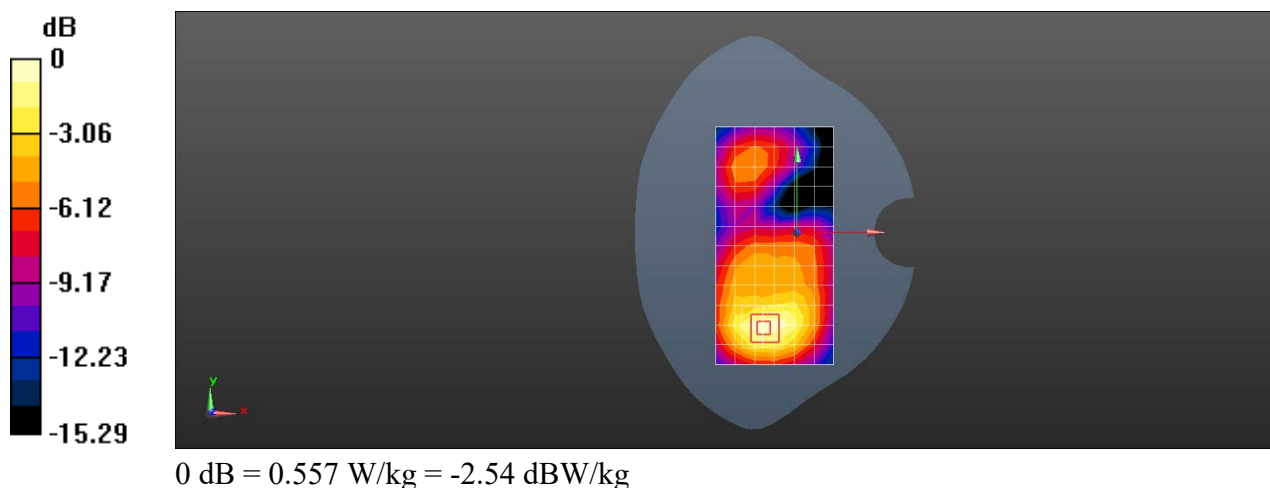
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.897 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.679 W/kg

SAR(1 g) = 0.427 W/kg; SAR(10 g) = 0.253 W/kg

Maximum value of SAR (measured) = 0.557 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 2 20M QPSK 1RB50 18700CH Bottom side 10mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ Communication

System: UID 0, LTE Band 2; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1860$ MHz; $\sigma = 1.35$ S/m; $\epsilon_r = 40.814$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.54, 7.54, 7.54); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 8; Type: SAM; Serial: 1063
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x7x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.912 W/kg

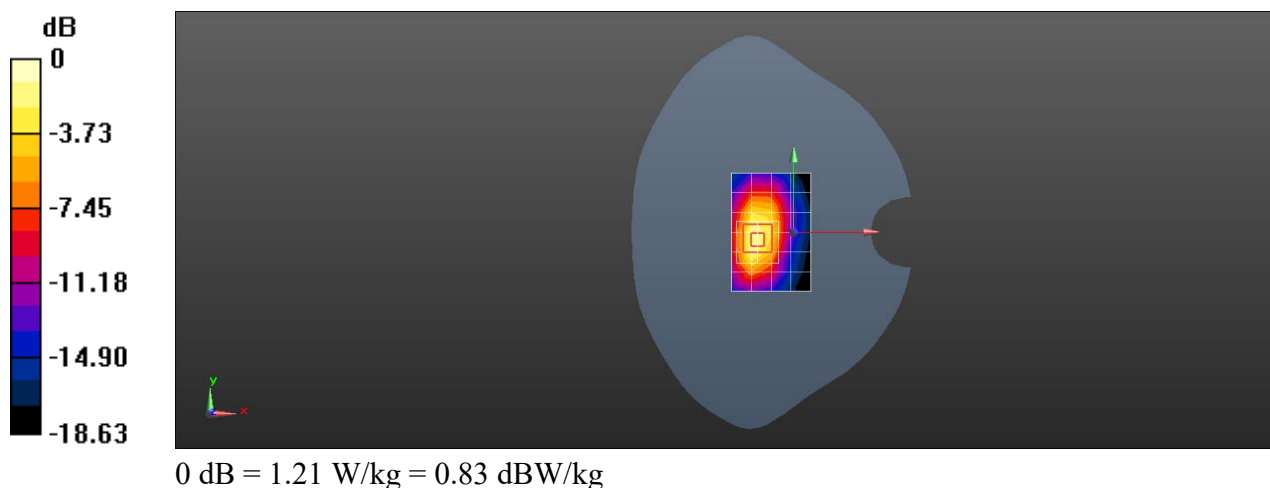
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 17.52 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.861 W/kg; SAR(10 g) = 0.446 W/kg

Maximum value of SAR (measured) = 1.21 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 4 20M QPSK 1RB99 20300CH Right cheek

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ Communication

System: UID 0, LTE Band 4; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used: $f = 1745$ MHz; $\sigma = 1.322$ S/m; $\epsilon_r = 38.517$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.85, 7.85, 7.85); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 8; Type: SAM; Serial: 1063
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (7x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.190 W/kg

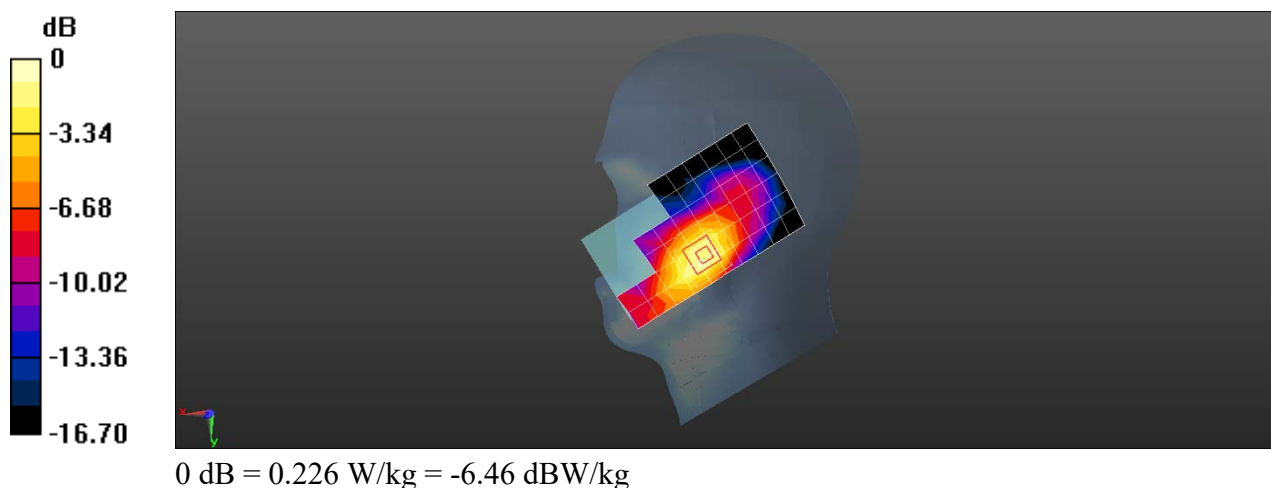
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.827 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.267 W/kg

SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.099 W/kg

Maximum value of SAR (measured) = 0.226 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 4 20M QPSK 1RB99 20300CH Back side 19mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ Communication

System: UID 0, LTE Band 4; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used: $f = 1745$ MHz; $\sigma = 1.322$ S/m; $\epsilon_r = 38.517$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.85, 7.85, 7.85); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 8; Type: SAM; Serial: 1063
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.793 W/kg

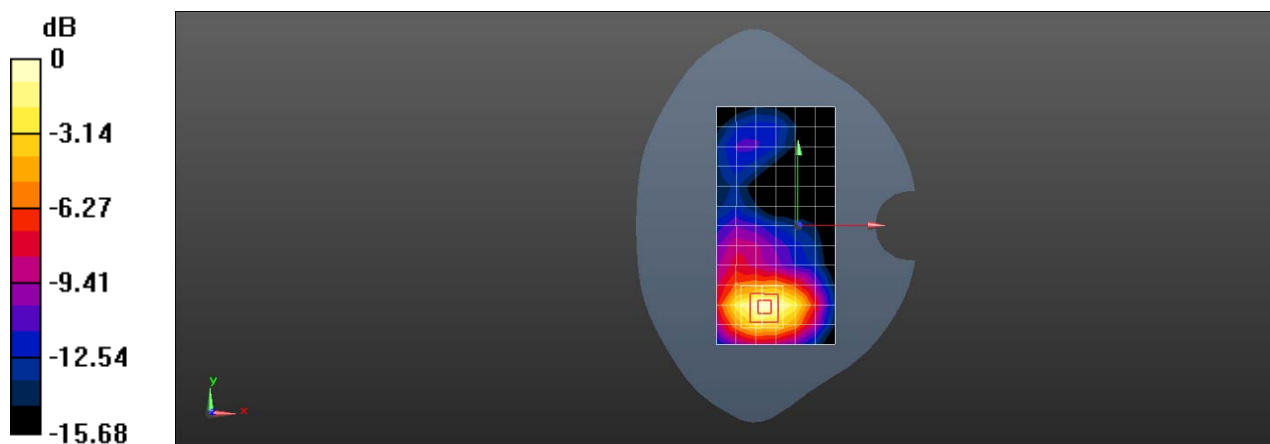
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.454 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.964 W/kg

SAR(1 g) = 0.622 W/kg; SAR(10 g) = 0.370 W/kg

Maximum value of SAR (measured) = 0.811 W/kg



0 dB = 0.811 W/kg = -0.91 dBW/kg

Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 4 20M QPSK 1RB50 20050CH Bottom side 10mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ Communication

System: UID 0, LTE Band 4; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used: $f = 1720$ MHz; $\sigma = 1.3$ S/m; $\epsilon_r = 38.582$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.85, 7.85, 7.85); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 8; Type: SAM; Serial: 1063
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.12 W/kg

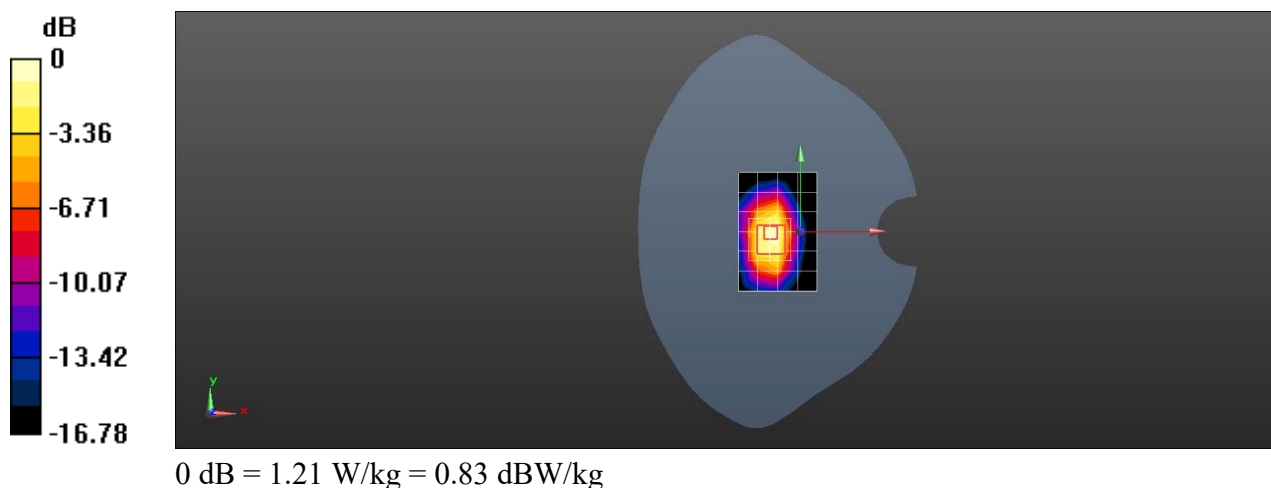
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.88 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 0.872 W/kg; SAR(10 g) = 0.488 W/kg

Maximum value of SAR (measured) = 1.21 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 5 10M QPSK 1RB25 20600CH Right cheek

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 5 10MHz; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used: $f = 844$ MHz; $\sigma = 0.952$ S/m; $\epsilon_r = 43.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.04, 9.04, 9.04); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (7x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.635 W/kg

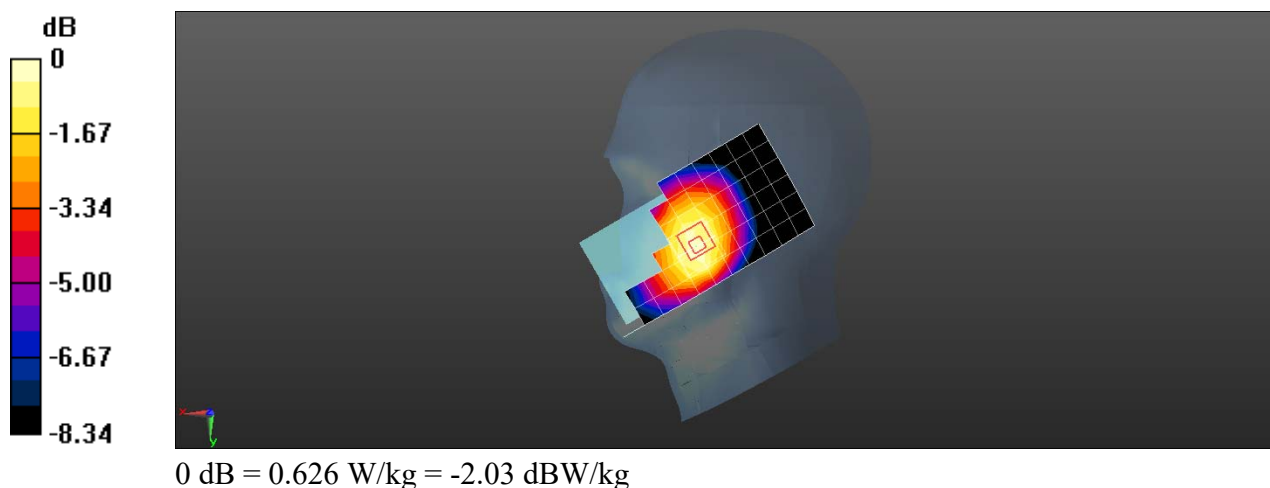
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.409 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.704 W/kg

SAR(1 g) = 0.542 W/kg; SAR(10 g) = 0.414 W/kg

Maximum value of SAR (measured) = 0.626 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 5 10M QPSK 1RB25 20600CH Back side 15mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 5 10MHz; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used: $f = 844$ MHz; $\sigma = 0.952$ S/m; $\epsilon_r = 43.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.04, 9.04, 9.04); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.587 W/kg

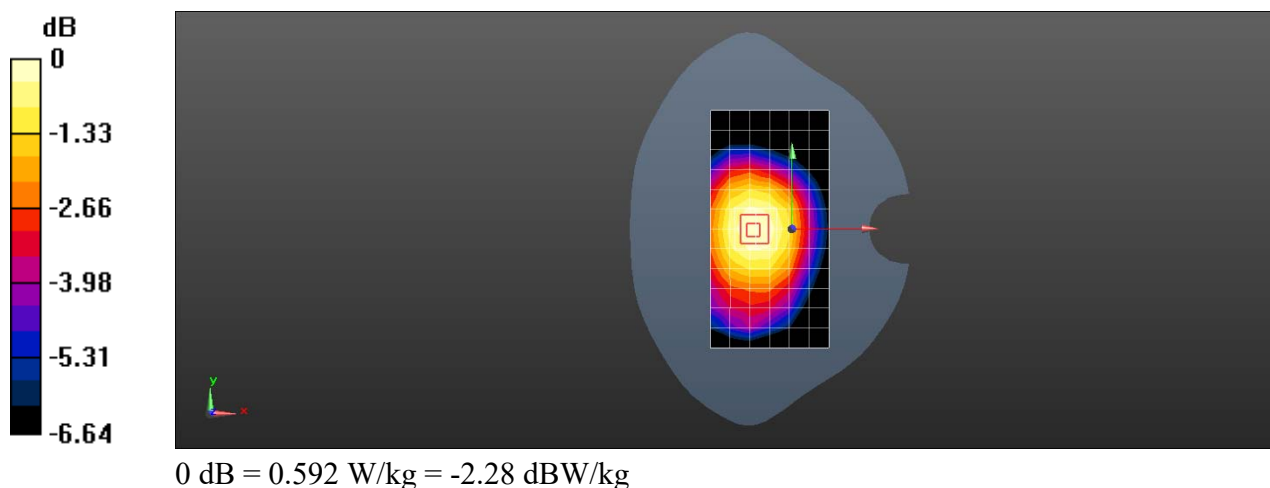
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 23.57 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.648 W/kg

SAR(1 g) = 0.518 W/kg; SAR(10 g) = 0.404 W/kg

Maximum value of SAR (measured) = 0.592 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 5 10M QPSK 1RB25 20600CH Back side 10mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 5 10MHz; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used: $f = 844$ MHz; $\sigma = 0.952$ S/m; $\epsilon_r = 43.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.04, 9.04, 9.04); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.695 W/kg

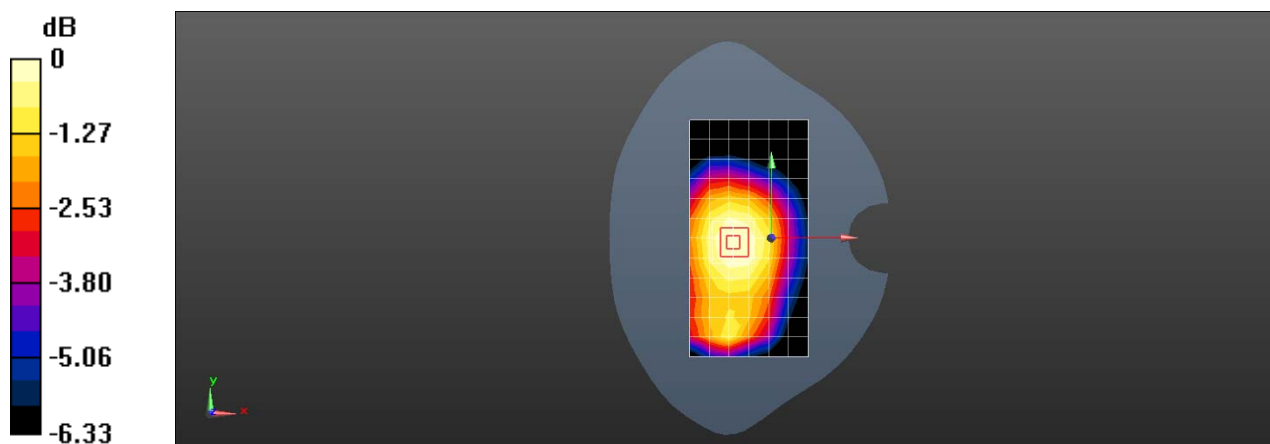
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 26.01 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.747 W/kg

SAR(1 g) = 0.604 W/kg; SAR(10 g) = 0.476 W/kg

Maximum value of SAR (measured) = 0.687 W/kg



0 dB = 0.687 W/kg = -1.63 dBW/kg

Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 7 20M QPSK 1RB50 21350CH Right cheek

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 7 20MHz; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: HSL2600; Medium parameters used: $f = 2560$ MHz; $\sigma = 1.936$ S/m; $\epsilon_r = 39.078$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(6.78, 6.78, 6.78); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (9x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.283 W/kg

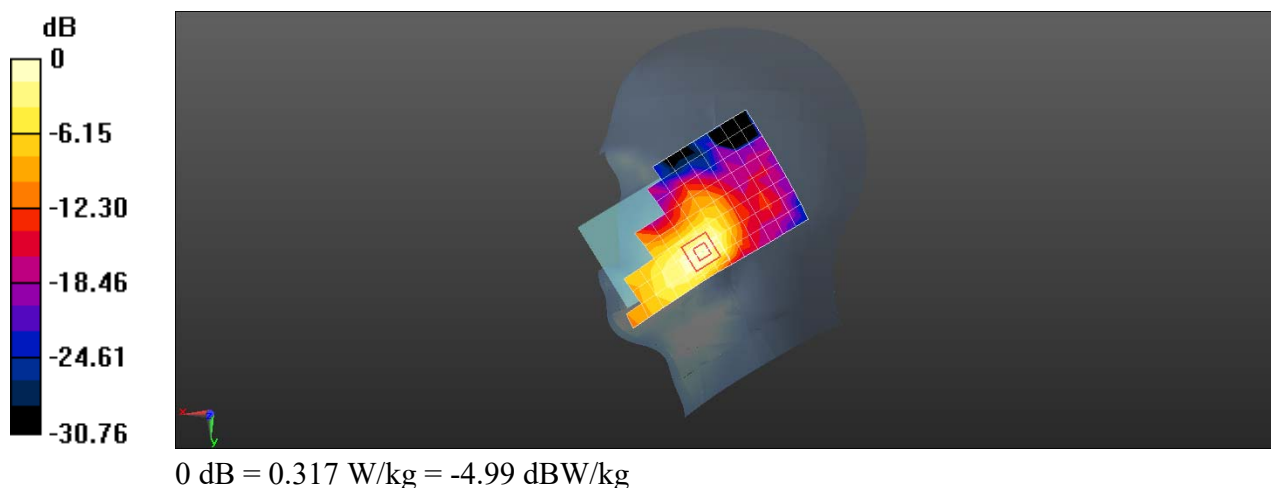
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.413 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.417 W/kg

SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.110 W/kg

Maximum value of SAR (measured) = 0.317 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 7 20M QPSK 1RB50 21350CH Back side 19mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 7 20MHz; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: HSL2600; Medium parameters used: $f = 2560$ MHz; $\sigma = 1.936$ S/m; $\epsilon_r = 39.078$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(6.78, 6.78, 6.78); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.764 W/kg

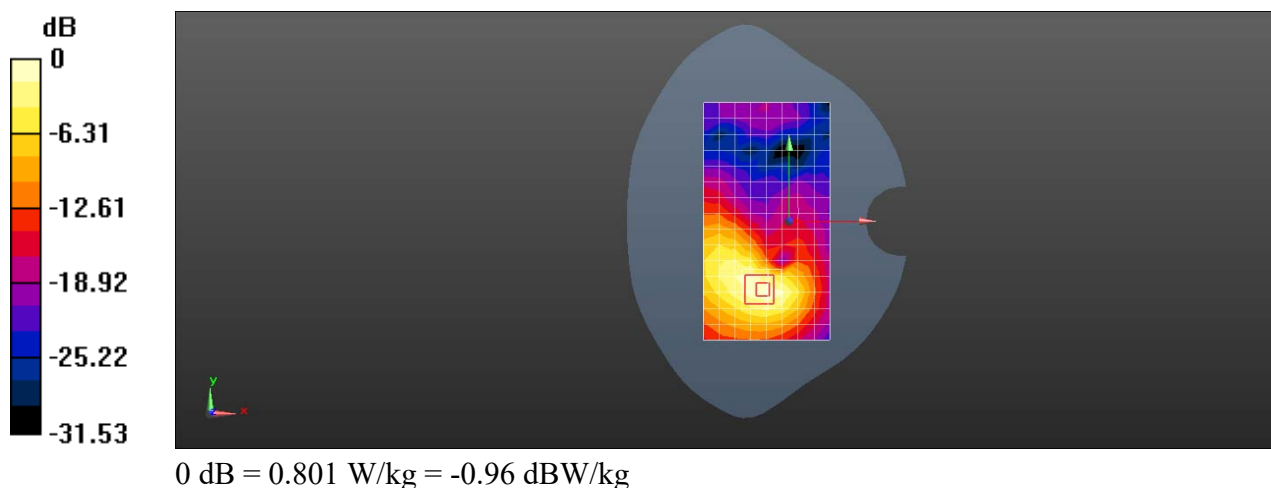
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.050 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.542 W/kg; SAR(10 g) = 0.271 W/kg

Maximum value of SAR (measured) = 0.801 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 7 20M QPSK 1RB50 21100CH Back side 10mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 7 20MHz; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: HSL2600; Medium parameters used: $f = 2535$ MHz; $\sigma = 1.906$ S/m; $\epsilon_r = 39.226$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(6.78, 6.78, 6.78); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.36 W/kg

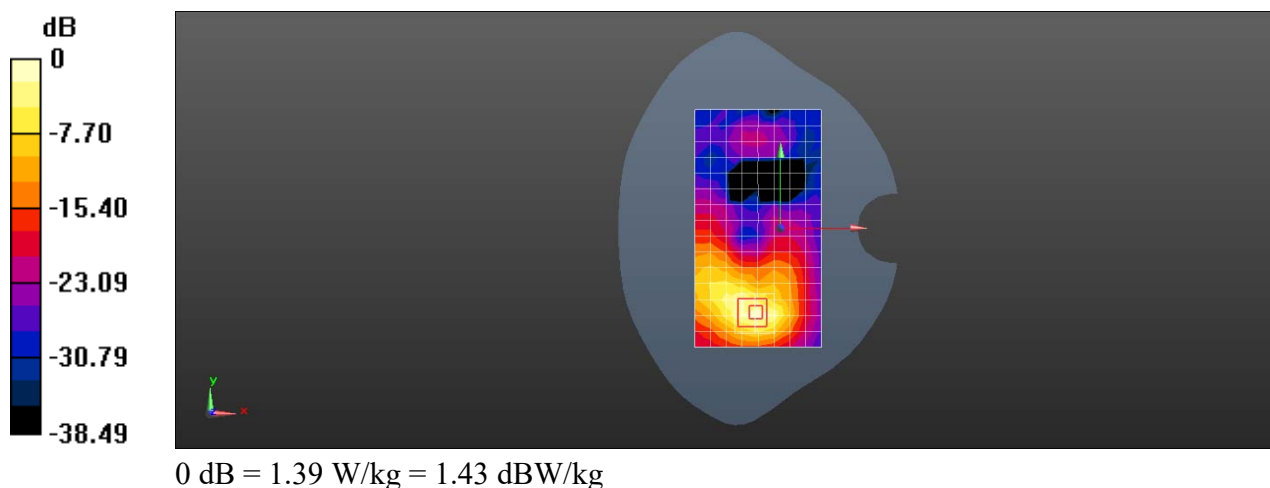
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.342 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 0.888 W/kg; SAR(10 g) = 0.377 W/kg

Maximum value of SAR (measured) = 1.39 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 12 10M QPSK 1RB25 23095CH Right cheek

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 12 10MHz; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.864$ S/m; $\epsilon_r = 42.941$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.41, 9.41, 9.41); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

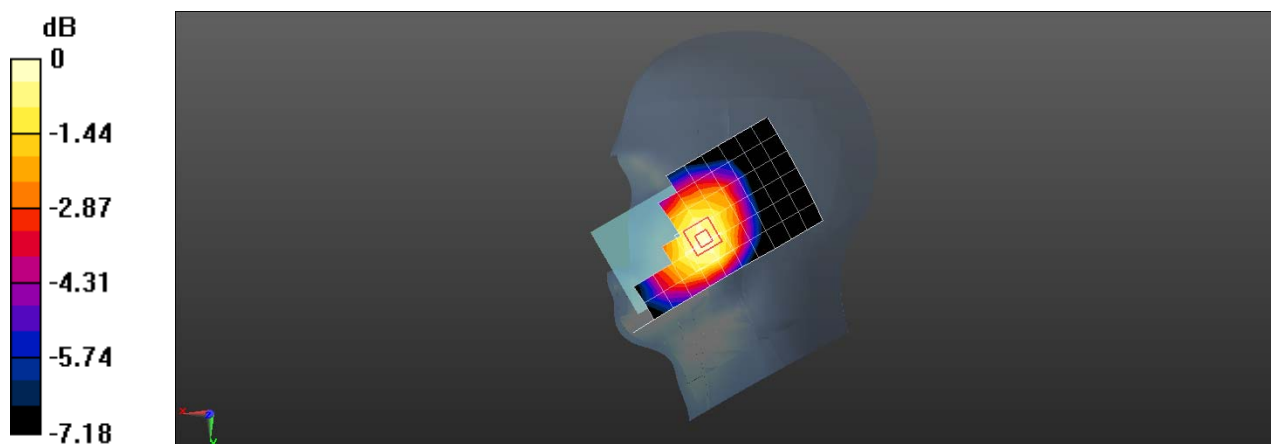
Configuration/Head/Area Scan (7x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.333 W/kg

Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.048 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.368 W/kg

SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.233 W/kg



0 dB = 0.333 W/kg = -4.78 dBW/kg

Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 12 10M QPSK 1RB25 23095CH Back side 15mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 12 10MHz; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.864$ S/m; $\epsilon_r = 42.941$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.41, 9.41, 9.41); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.420 W/kg

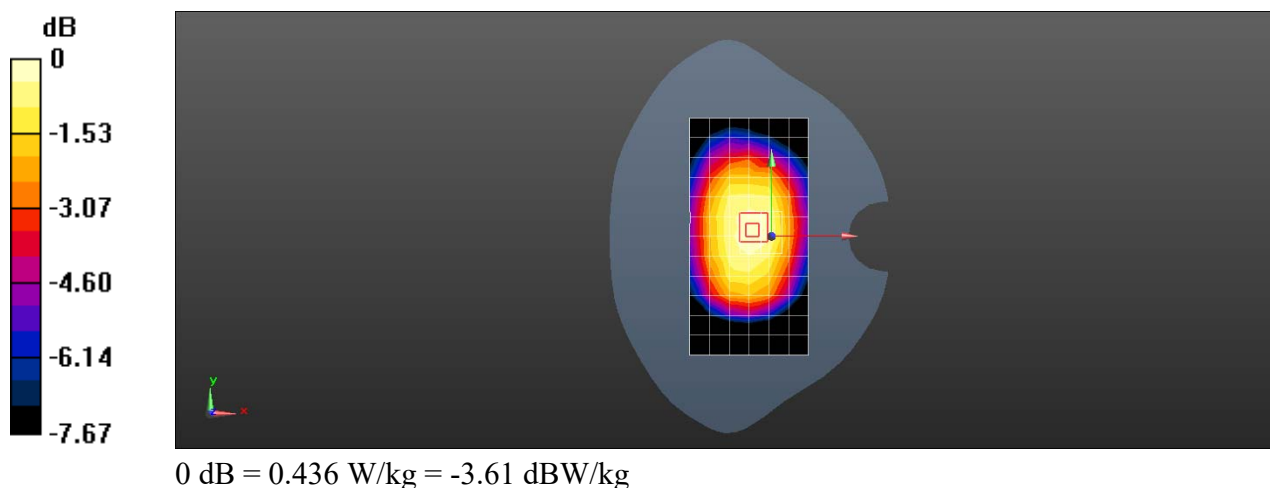
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.19 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.481 W/kg

SAR(1 g) = 0.376 W/kg; SAR(10 g) = 0.294 W/kg

Maximum value of SAR (measured) = 0.436 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 12 10M QPSK 1RB25 23095CH Back side 10mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 12 10MHz; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.864$ S/m; $\epsilon_r = 42.941$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.41, 9.41, 9.41); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.583 W/kg

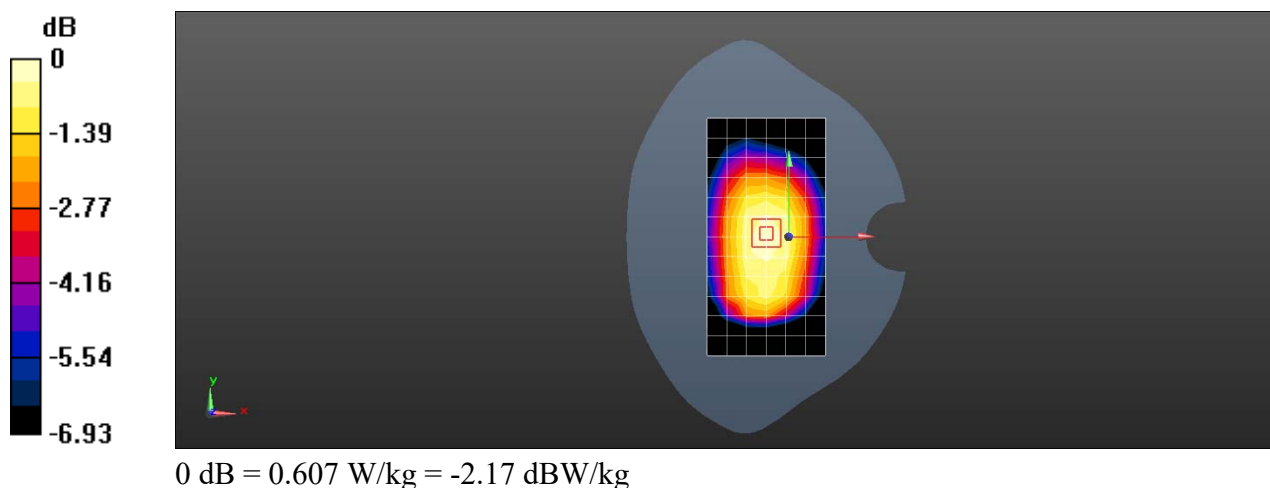
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.99 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.660 W/kg

SAR(1 g) = 0.530 W/kg; SAR(10 g) = 0.419 W/kg

Maximum value of SAR (measured) = 0.607 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 13 10M QPSK 1RB25 23230CH Right cheek

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 13 10MHz; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.903 \text{ S/m}$; $\epsilon_r = 42.604$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.41, 9.41, 9.41); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.409 W/kg

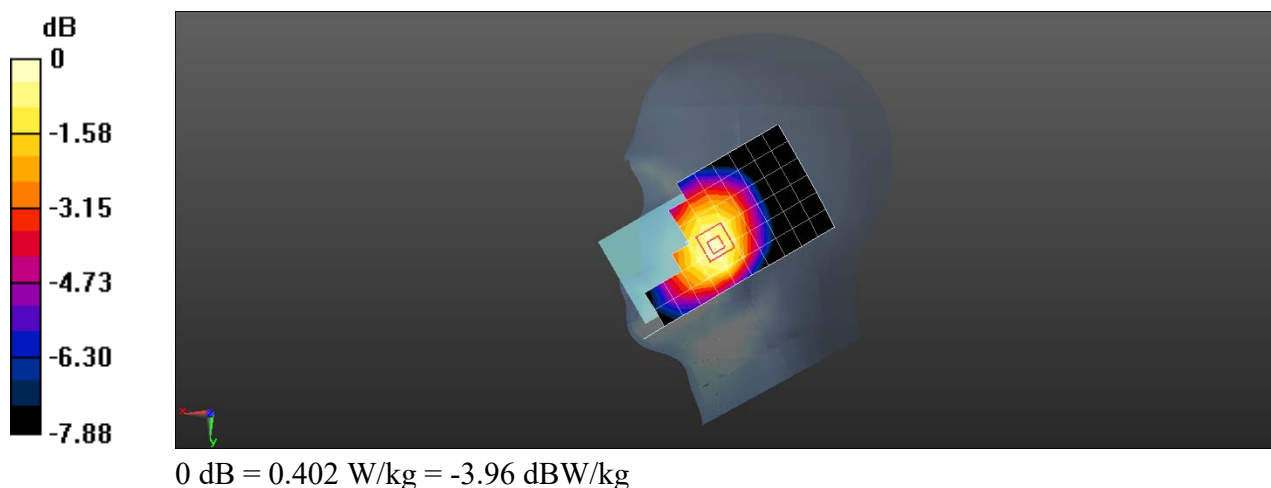
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.942 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.462 W/kg

SAR(1 g) = 0.350 W/kg ; SAR(10 g) = 0.271 W/kg

Maximum value of SAR (measured) = 0.402 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 13 10M QPSK 1RB25 23230CH Back side 15mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 13 10MHz; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.903 \text{ S/m}$; $\epsilon_r = 42.604$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.41, 9.41, 9.41); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.452 W/kg

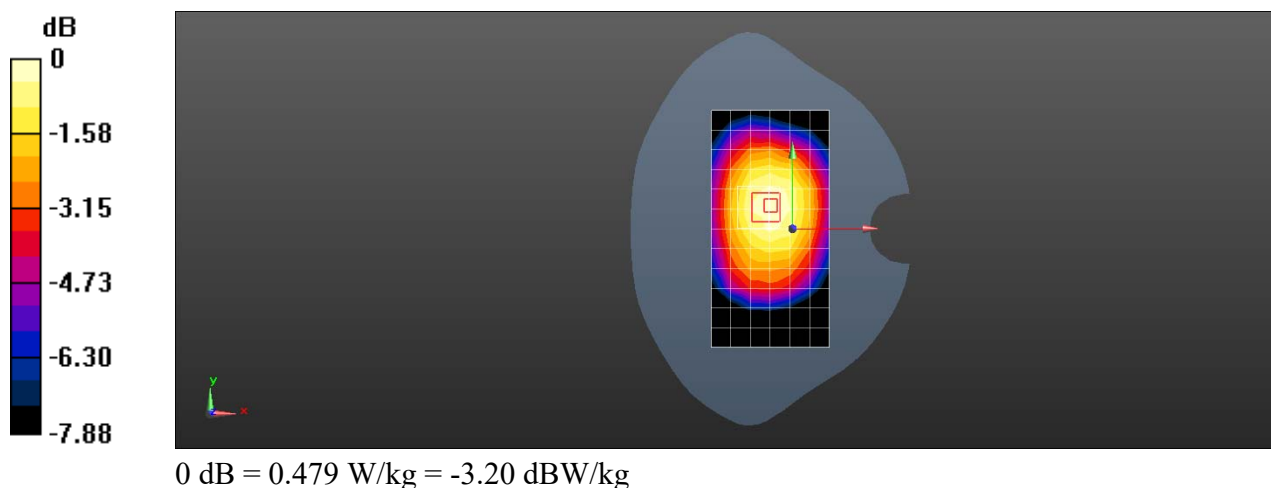
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.26 V/m ; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.522 W/kg

SAR(1 g) = 0.422 W/kg ; SAR(10 g) = 0.324 W/kg

Maximum value of SAR (measured) = 0.479 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 13 10M QPSK 1RB25 23230CH Back side 10mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 13 10MHz; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.903 \text{ S/m}$; $\epsilon_r = 42.604$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.41, 9.41, 9.41); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.511 W/kg

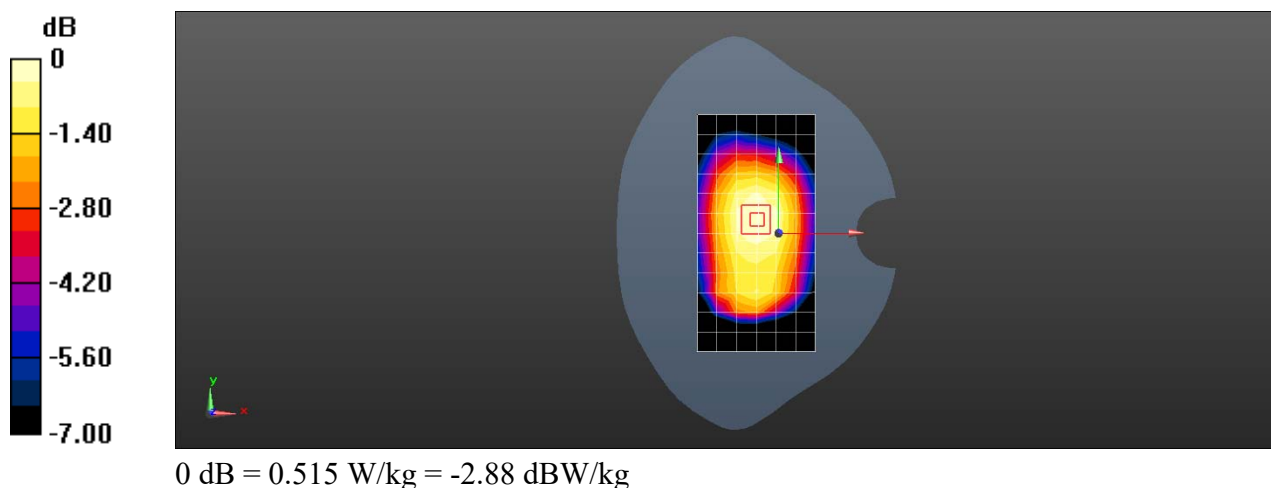
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 22.77 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.558 W/kg

SAR(1 g) = 0.456 W/kg ; SAR(10 g) = 0.359 W/kg

Maximum value of SAR (measured) = 0.515 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 14 10M QPSK 1RB25 23330CH Right cheek

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 14 10MHz; Frequency: 793 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used: $f = 793 \text{ MHz}$; $\sigma = 0.909 \text{ S/m}$; $\epsilon_r = 42.566$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.41, 9.41, 9.41); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.399 W/kg

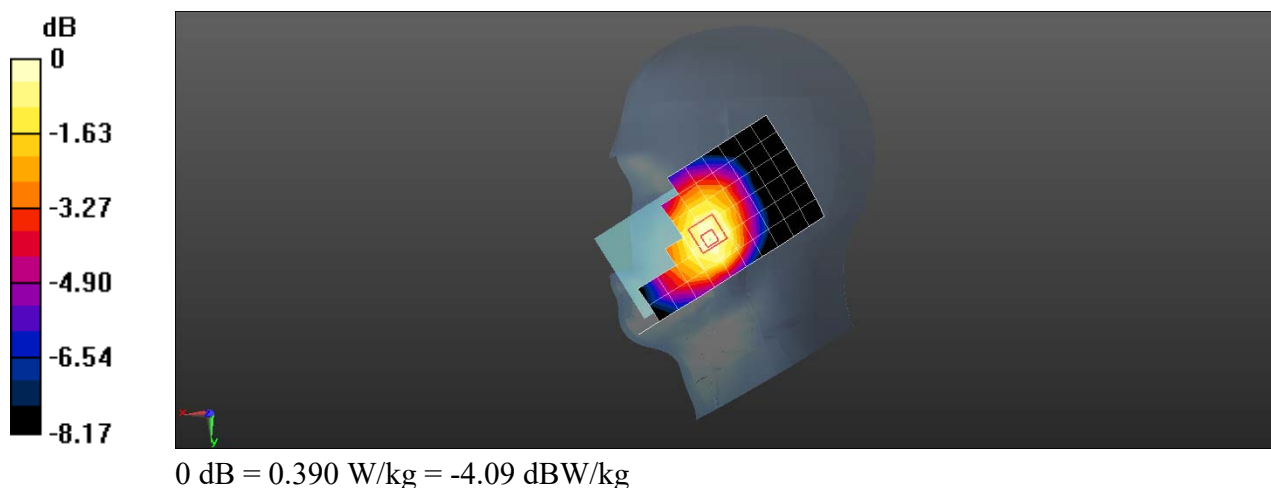
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.307 V/m ; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.443 W/kg

SAR(1 g) = 0.338 W/kg ; SAR(10 g) = 0.261 W/kg

Maximum value of SAR (measured) = 0.390 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 14 10M QPSK 1RB25 23330CH Back side 15mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 14 10MHz; Frequency: 793 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used: $f = 793 \text{ MHz}$; $\sigma = 0.909 \text{ S/m}$; $\epsilon_r = 42.566$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.41, 9.41, 9.41); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.438 W/kg

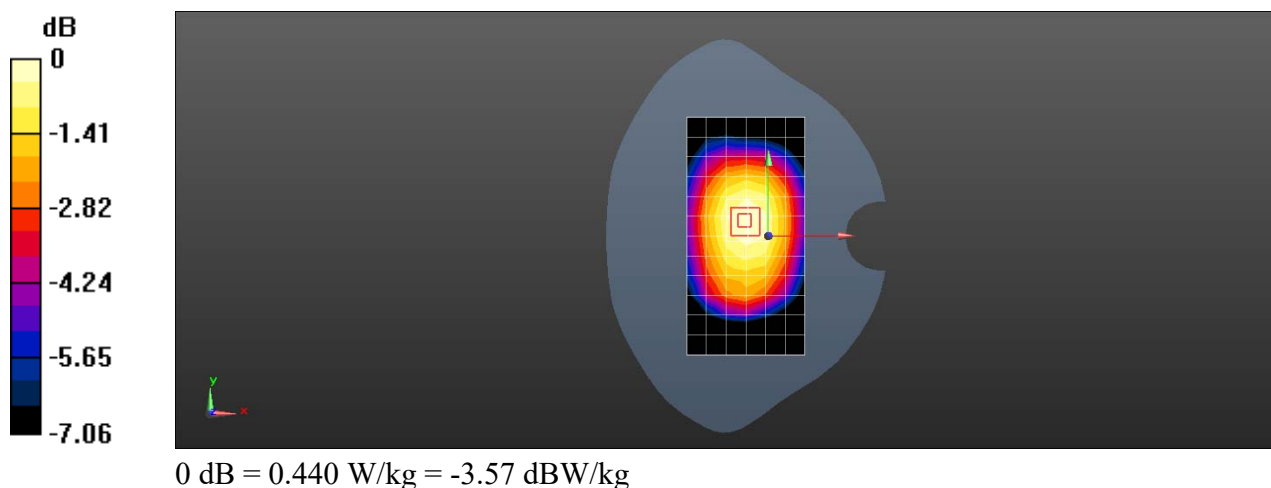
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 20.67 V/m ; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.476 W/kg

SAR(1 g) = 0.388 W/kg ; SAR(10 g) = 0.303 W/kg

Maximum value of SAR (measured) = 0.440 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 14 10M QPSK 1RB25 23330CH Back side 10mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 14 10MHz; Frequency: 793 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used: $f = 793 \text{ MHz}$; $\sigma = 0.909 \text{ S/m}$; $\epsilon_r = 42.566$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.41, 9.41, 9.41); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.474 W/kg

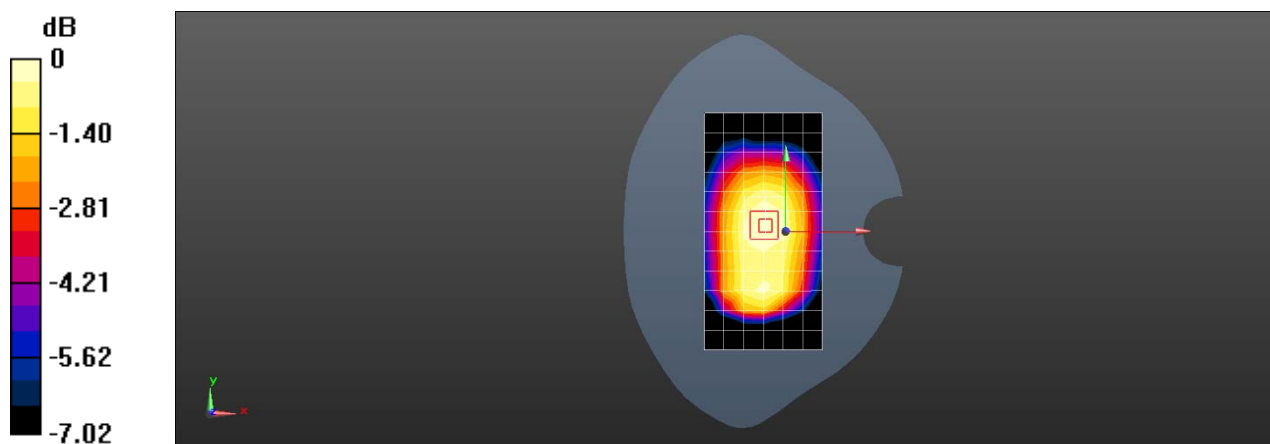
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.82 V/m ; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.524 W/kg

SAR(1 g) = 0.427 W/kg ; SAR(10 g) = 0.335 W/kg

Maximum value of SAR (measured) = 0.484 W/kg



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

Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 66 20M QPSK 1RB50 132322CH Right cheek

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 66 20MHz; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used: $f = 1745$ MHz; $\sigma = 1.322$ S/m; $\epsilon_r = 38.517$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.85, 7.85, 7.85); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 8; Type: SAM; Serial: 1063
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (7x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.218 W/kg

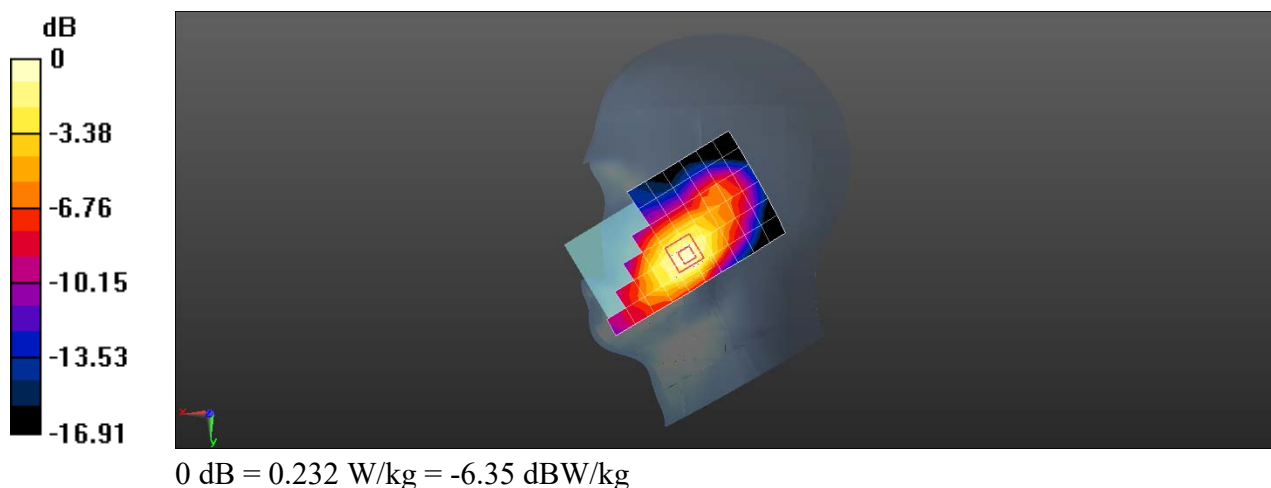
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.284 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.276 W/kg

SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.117 W/kg

Maximum value of SAR (measured) = 0.232 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 66 20M QPSK 1RB50 132322CH Back side 19mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 66 20MHz; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used: $f = 1745$ MHz; $\sigma = 1.322$ S/m; $\epsilon_r = 38.517$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.85, 7.85, 7.85); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 8; Type: SAM; Serial: 1063
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.702 W/kg

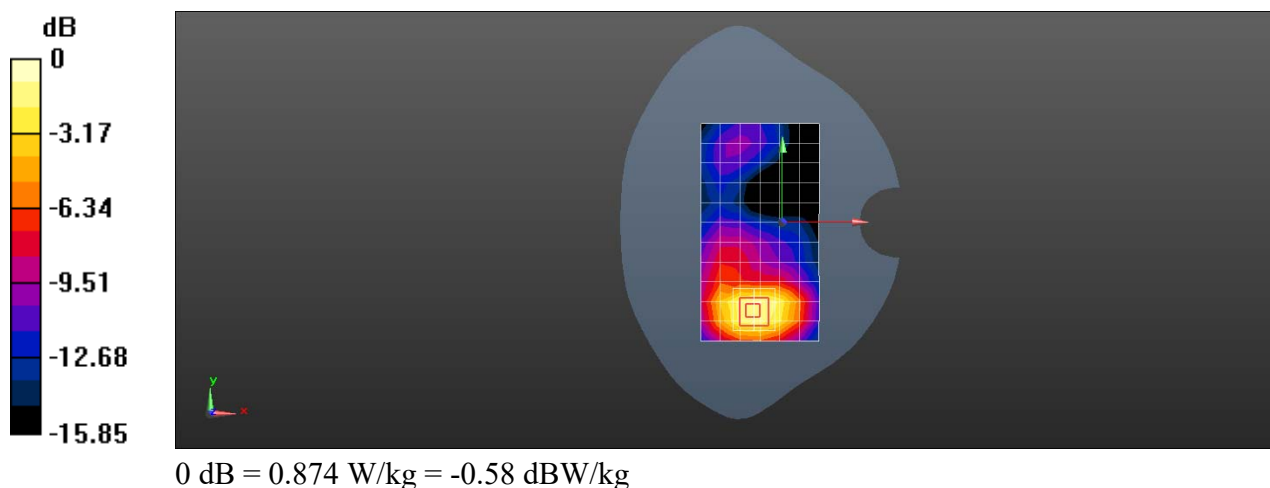
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.769 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.671 W/kg; SAR(10 g) = 0.398 W/kg

Maximum value of SAR (measured) = 0.874 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 66 20M QPSK 1RB50 132072CH Bottom side 19mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 66 20MHz; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used: $f = 1720$ MHz; $\sigma = 1.3$ S/m; $\epsilon_r = 38.582$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.85, 7.85, 7.85); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 8; Type: SAM; Serial: 1063
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.26 W/kg

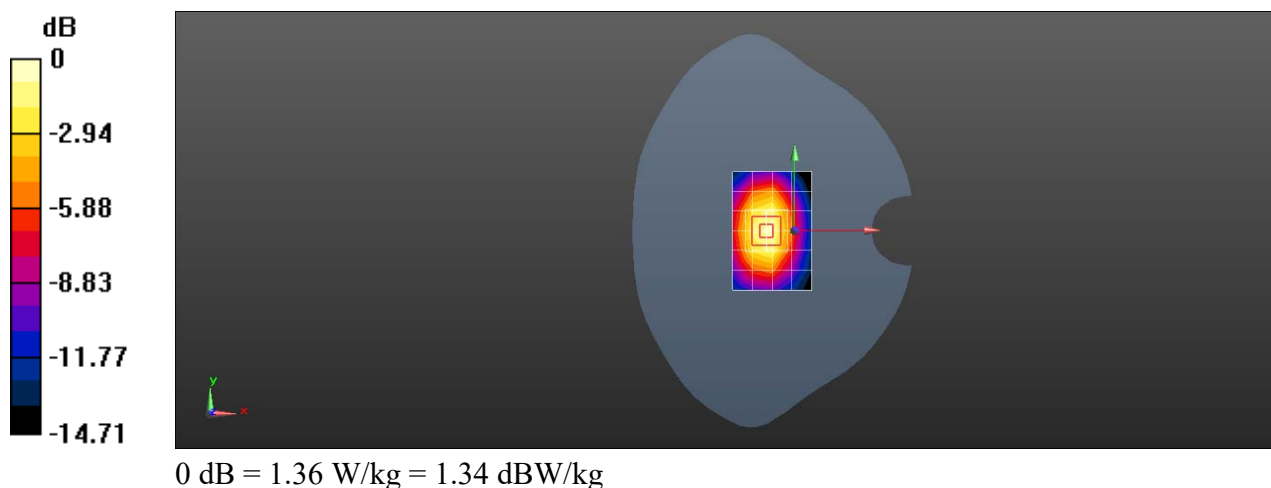
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.51 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.624 W/kg

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



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 71 20M QPSK 1RB50 133372CH Right cheek

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 71 20MHz; Frequency: 688 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used: $f = 688$ MHz; $\sigma = 0.852$ S/m; $\epsilon_r = 43.028$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.41, 9.41, 9.41); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (7x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.444 W/kg

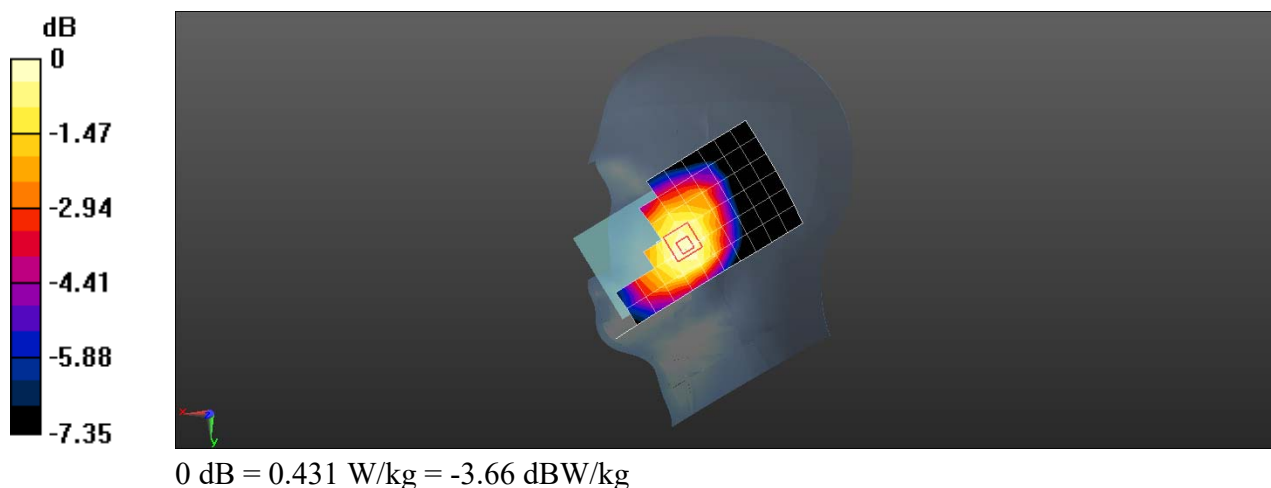
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.843 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.481 W/kg

SAR(1 g) = 0.380 W/kg; SAR(10 g) = 0.303 W/kg

Maximum value of SAR (measured) = 0.431 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 71 20M QPSK 1RB50 133372CH Back side 15mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 71 20MHz; Frequency: 688 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used: $f = 688$ MHz; $\sigma = 0.852$ S/m; $\epsilon_r = 43.028$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.41, 9.41, 9.41); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.394 W/kg

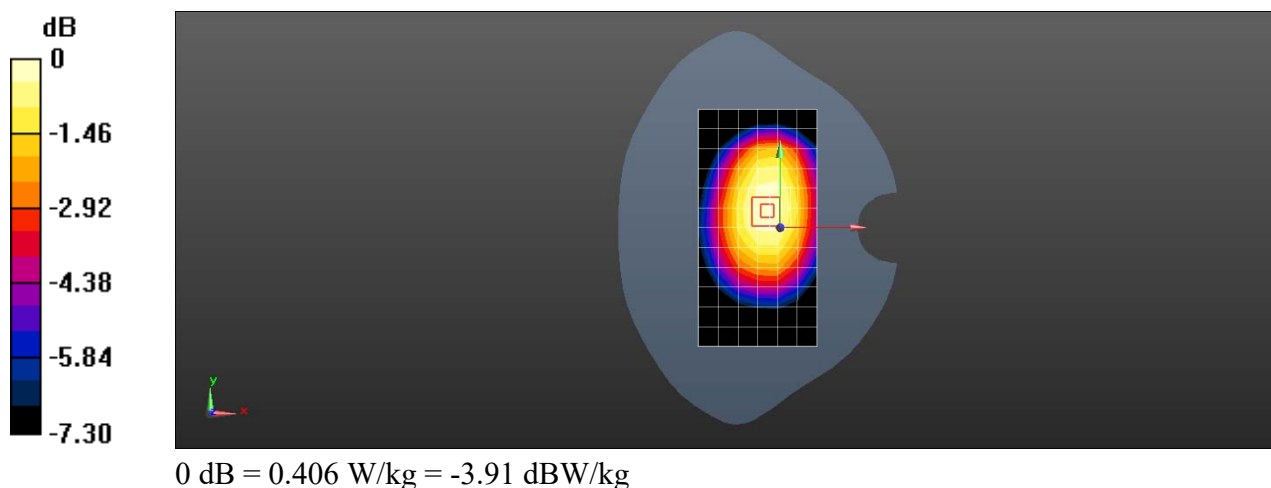
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 20.11 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.441 W/kg

SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.277 W/kg

Maximum value of SAR (measured) = 0.406 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL LTE Band 71 20M QPSK 1RB50 133372CH Back side 10mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, LTE Band 71 20MHz; Frequency: 688 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used: $f = 688 \text{ MHz}$; $\sigma = 0.852 \text{ S/m}$; $\epsilon_r = 43.028$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(9.41, 9.41, 9.41); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.444 W/kg

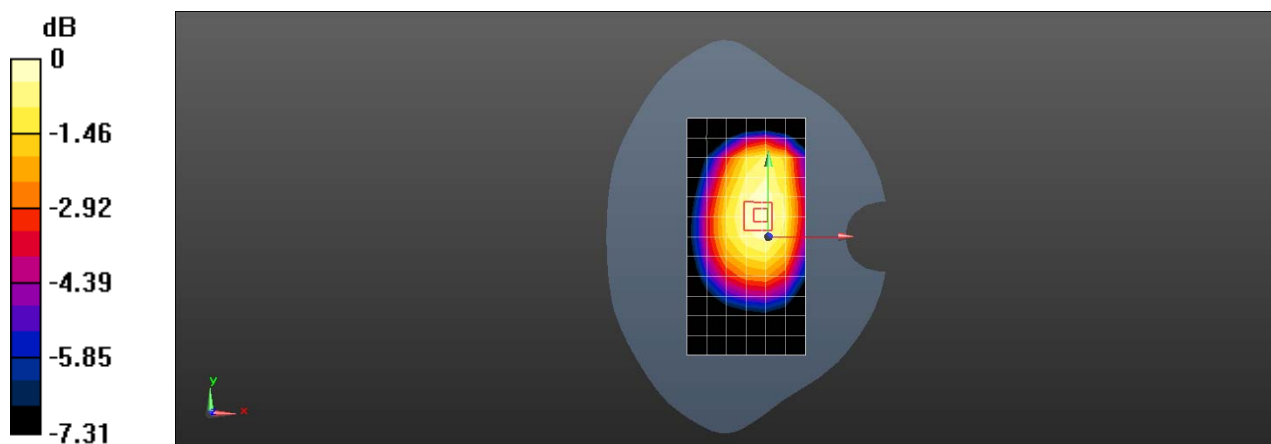
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 20.73 V/m ; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.488 W/kg

SAR(1 g) = 0.398 W/kg ; SAR(10 g) = 0.312 W/kg

Maximum value of SAR (measured) = 0.451 W/kg



0 dB = 0.451 W/kg = -3.46 dBW/kg

Test Laboratory: SGS-SAR Lab

SM-S111DL WIFI 2.4G 802.11b 6CH Right cheek

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, WIFI 2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.792$ S/m; $\epsilon_r = 39.536$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(6.93, 6.93, 6.93); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (9x15x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.526 W/kg

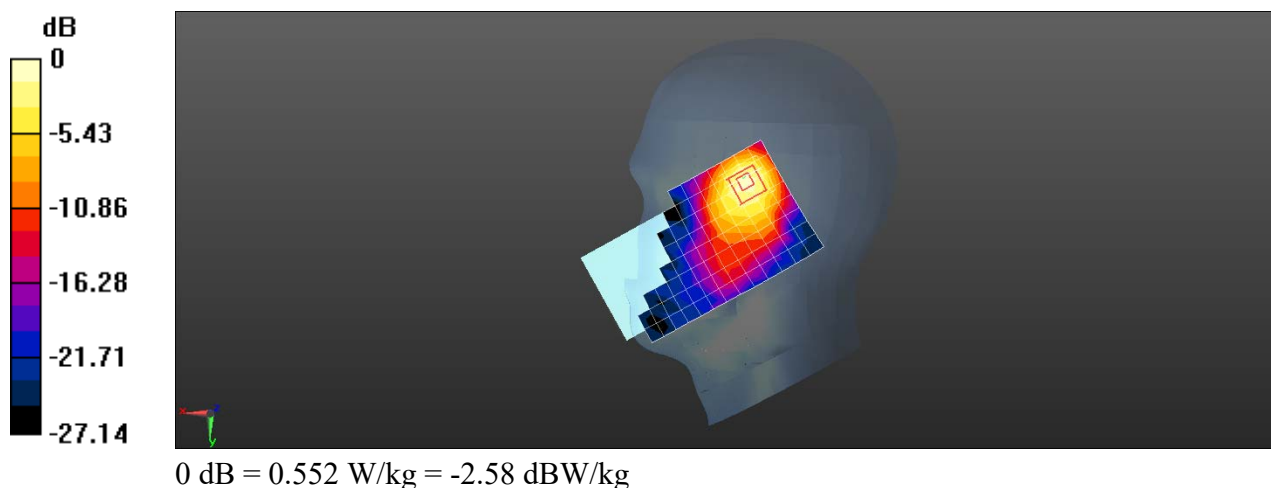
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.233 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.803 W/kg

SAR(1 g) = 0.362 W/kg; SAR(10 g) = 0.169 W/kg

Maximum value of SAR (measured) = 0.552 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL WIFI 2.4G 802.11b 6CH Back side 15mm

DUT: SM-S111DL; Type: mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, WIFI 2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.792$ S/m; $\epsilon_r = 39.536$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(6.93, 6.93, 6.93); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

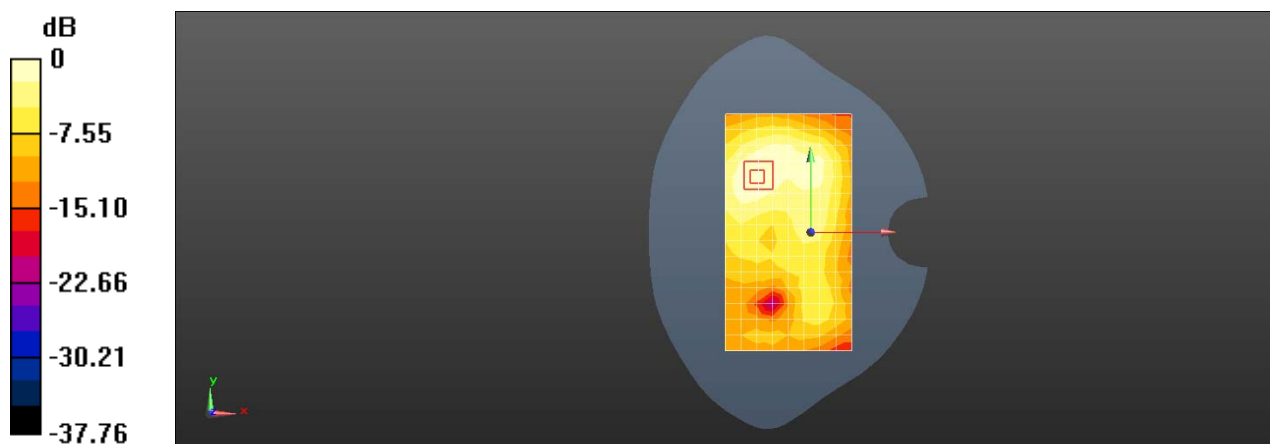
Configuration/Body/Area Scan (9x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.103 W/kg

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

Reference Value = 3.392 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.134 W/kg

SAR(1 g) = 0.074 W/kg; SAR(10 g) = 0.041 W/kg



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

Test Laboratory: SGS-SAR Lab

ZQL1693D WIFI 2.4G 802.11b 6CH Top side 10mm

DUT: ZQL1693D; Type: Mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, WIFI 2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.792$ S/m; $\epsilon_r = 39.536$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(6.93, 6.93, 6.93); Calibrated: 2019-03-25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn799; Calibrated: 2020-02-10
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.272 W/kg

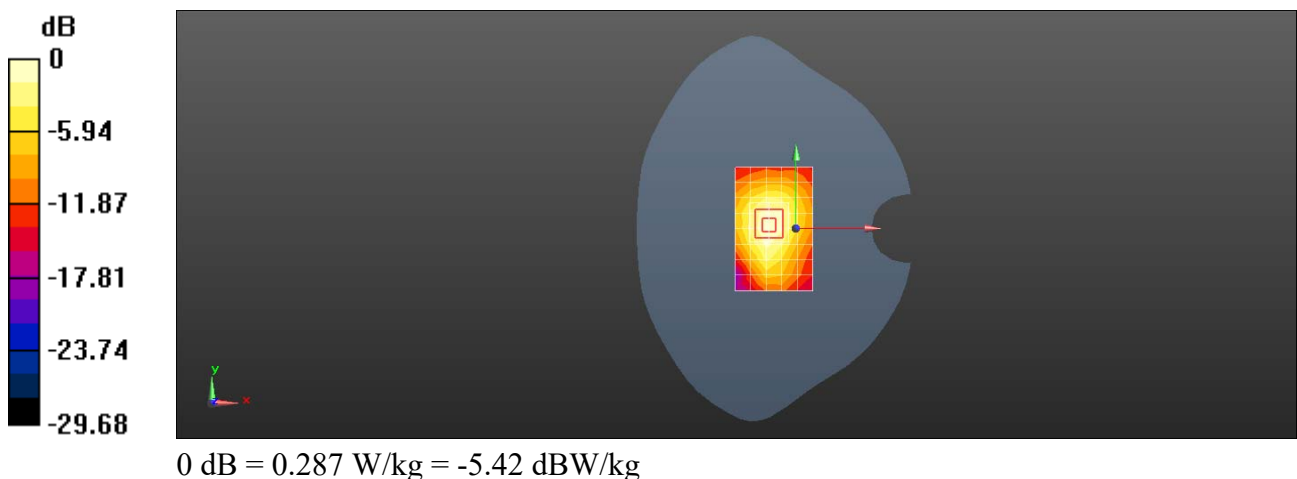
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.76 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.383 W/kg

SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.103 W/kg

Maximum value of SAR (measured) = 0.287 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL 5G WIFI 802.11n-HT40 62CH Right cheek

DUT: SM-S111DL; Type: Mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5310 MHz;Duty Cycle: 1:1

Medium: HSL5000;Medium parameters used: $f = 5310$ MHz; $\sigma = 4.924$ S/m; $\epsilon_r = 36.495$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(5.34, 5.34, 5.34); Calibrated: 2019-10-22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (10x18x1): Measurement grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (measured) = 0.483 W/kg

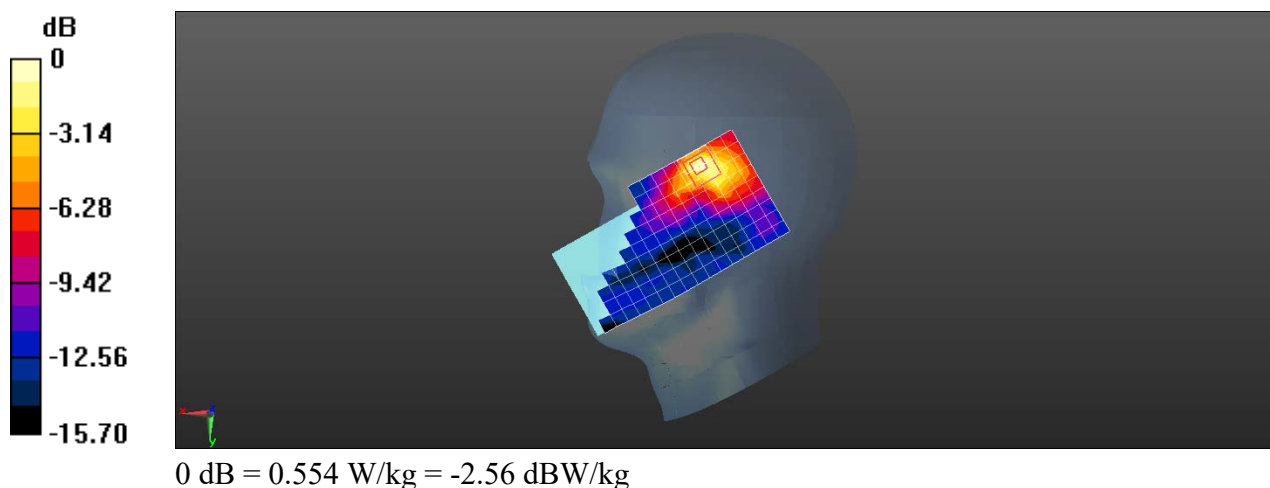
Configuration/Head/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 2.018 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.117 W/kg

Maximum value of SAR (measured) = 0.554 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL 5G WIFI 802.11n-HT40 54CH Back side 15mm

DUT: SM-S111DL; Type: Mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5270 MHz; Duty Cycle: 1:1

Medium: HSL5000; Medium parameters used: $f = 5270$ MHz; $\sigma = 4.896$ S/m; $\epsilon_r = 36.816$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(5.34, 5.34, 5.34); Calibrated: 2019-10-22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (10x18x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.21 W/kg

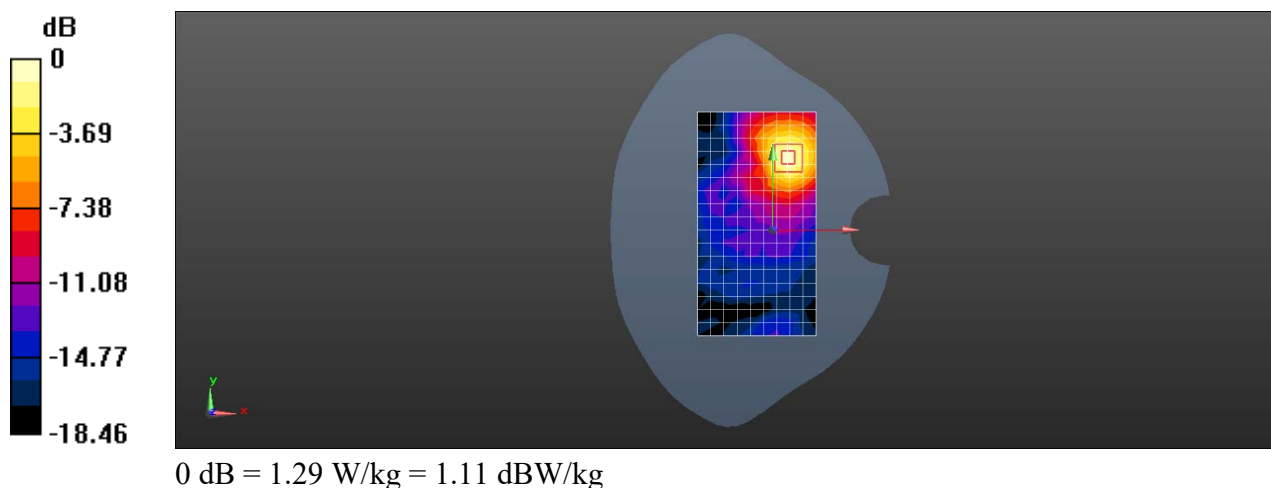
Configuration/Body/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.045 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.34 W/kg

SAR(1 g) = 0.727 W/kg; SAR(10 g) = 0.301 W/kg

Maximum value of SAR (measured) = 1.29 W/kg



Test Laboratory: SGS-SAR Lab

SM-S111DL 5G WIFI 802.11n-HT40 38CH Back side 10mm

DUT: SM-S111DL; Type: Mobile phone; Serial: R9GM8009XQJ

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5190 MHz; Duty Cycle: 1:1

Medium: HSL5000; Medium parameters used: $f = 5190$ MHz; $\sigma = 4.794$ S/m; $\epsilon_r = 36.754$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(5.34, 5.34, 5.34); Calibrated: 2019-10-22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (11x19x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.42 W/kg

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

Reference Value = 2.460 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 3.02 W/kg

SAR(1 g) = 0.860 W/kg; SAR(10 g) = 0.295 W/kg

Maximum value of SAR (measured) = 1.61 W/kg

