

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
LTE Band 2 for Head &Body
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LTE Band 17 for Head &Body
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LTE Band 38 for Head &Body
LTE Band 40 for Head &Body
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4. WIFI
WIFI 2.4G for Head &Body
WIFI 5G for Head &Body
5. BT
Bluetooth for Head &Body

Test Laboratory: SGS-SAR Lab

EML-L09 GSM850 251CH Right cheek with Battery 2 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, GSM Only Communication System (0); Frequency: 848.6 MHz; Duty Cycle: 1:8.30042

Medium: HSL835; Medium parameters used: $f = 849$ MHz; $\sigma = 0.895$ S/m; $\epsilon_r = 40.76$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(9.77, 9.77, 9.77); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.318 W/kg

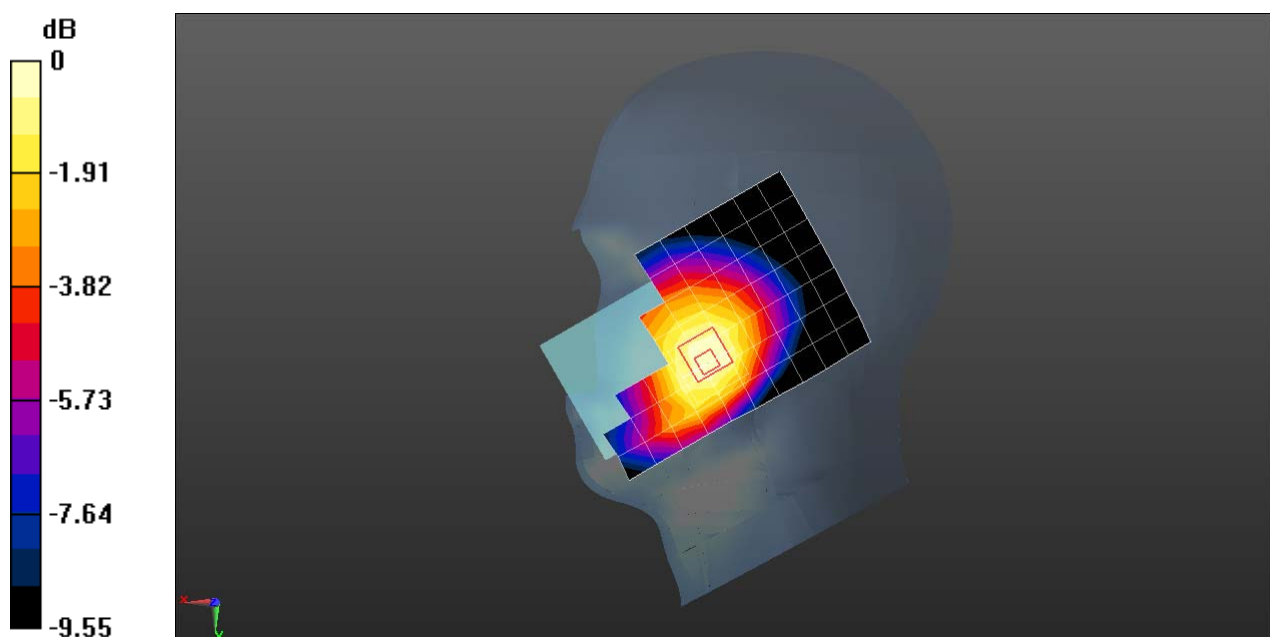
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.682 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.368 W/kg

SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.209 W/kg

Maximum value of SAR (measured) = 0.325 W/kg



0 dB = 0.325 W/kg = -4.88 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 GSM850 Voice 251CH Back side 15mm Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000176

Communication System: UID 0, GSM Only Communication System (0); Frequency: 848.8 MHz; Duty Cycle: 1:8.30042

Medium: MSL835; Medium parameters used: $f = 849$ MHz; $\sigma = 1.003$ S/m; $\epsilon_r = 53.817$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.8, 8.8, 8.8); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- 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) = 0.398 W/kg

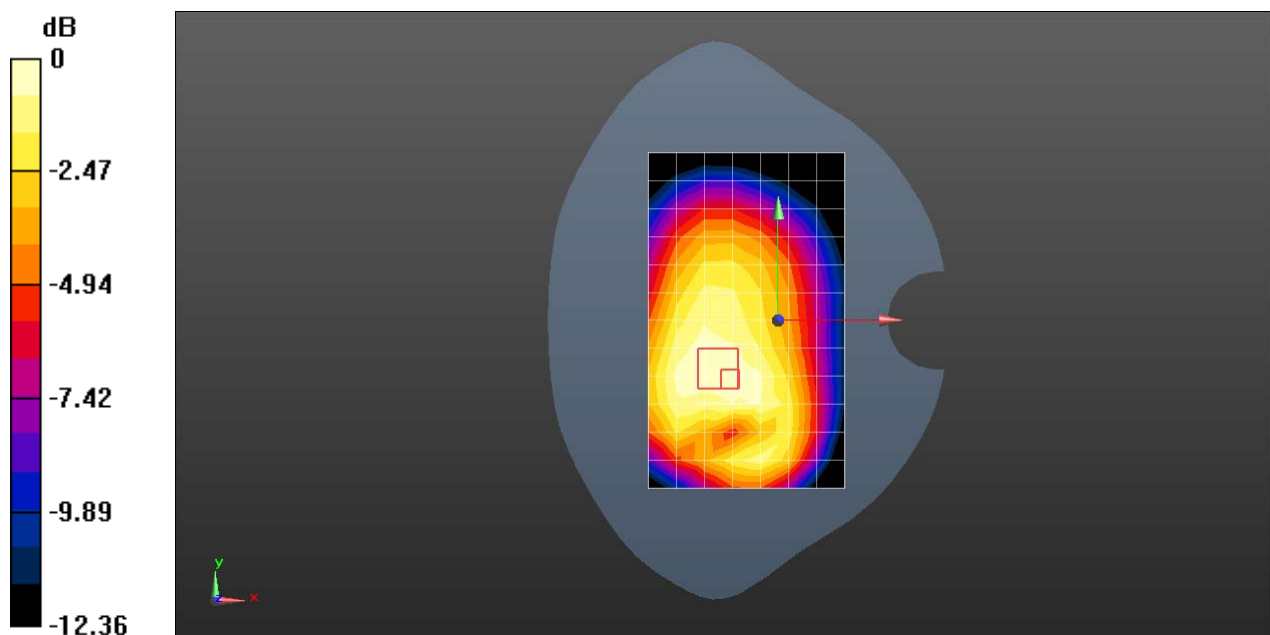
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 16.22 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.465 W/kg

SAR(1 g) = 0.354 W/kg; SAR(10 g) = 0.264 W/kg

Maximum value of SAR (measured) = 0.411 W/kg



Test Laboratory: SGS-SAR Lab

EML-L09 GSM850 GPRS 2TS 251CH Back side 10mm with Battery 2 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, GPRS/EGPRS Mode(2up) Communication System (0); Frequency: 848.8 MHz; Duty Cycle: 1:4.14954

Medium: MSL835; Medium parameters used: $f = 849$ MHz; $\sigma = 1.003$ S/m; $\epsilon_r = 53.817$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.8, 8.8, 8.8); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- 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) = 0.704 W/kg

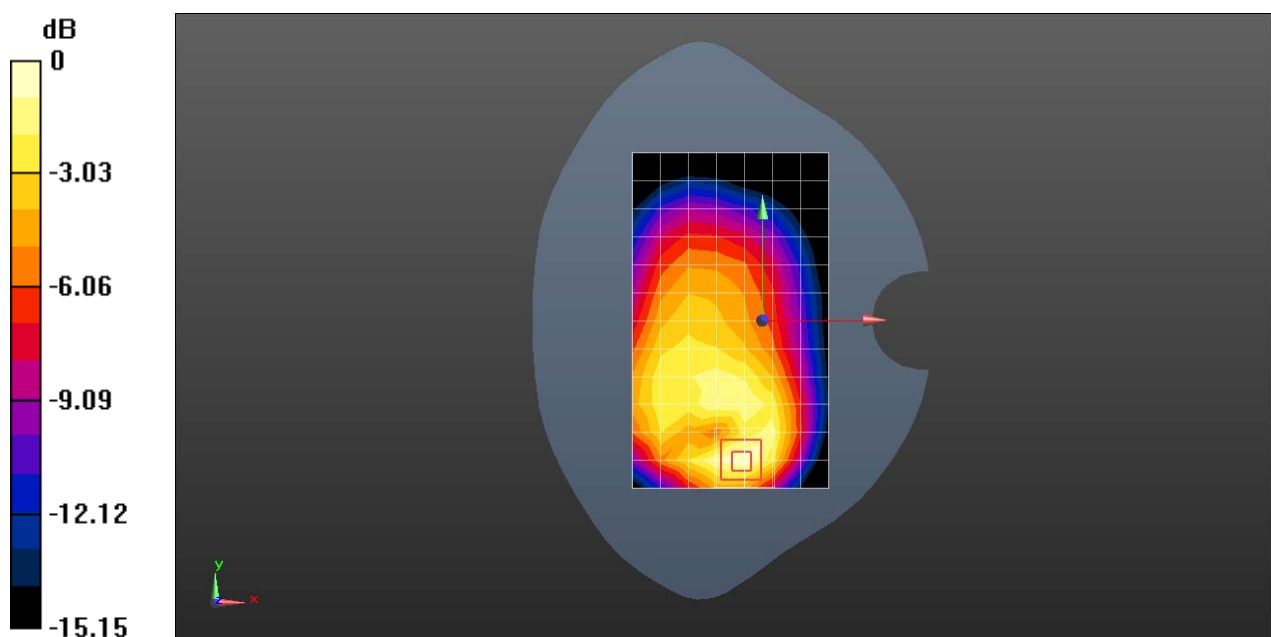
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.93 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.889 W/kg

SAR(1 g) = 0.516 W/kg; SAR(10 g) = 0.294 W/kg

Maximum value of SAR (measured) = 0.717 W/kg



0 dB = 0.717 W/kg = -1.44 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 GSM1900 810CH Left cheek with Battery 2 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, GSM Only Communication System (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8.30042

Medium: HSL1900; Medium parameters used: $f = 1910$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 41.749$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(7.71, 7.71, 7.71); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.144 W/kg

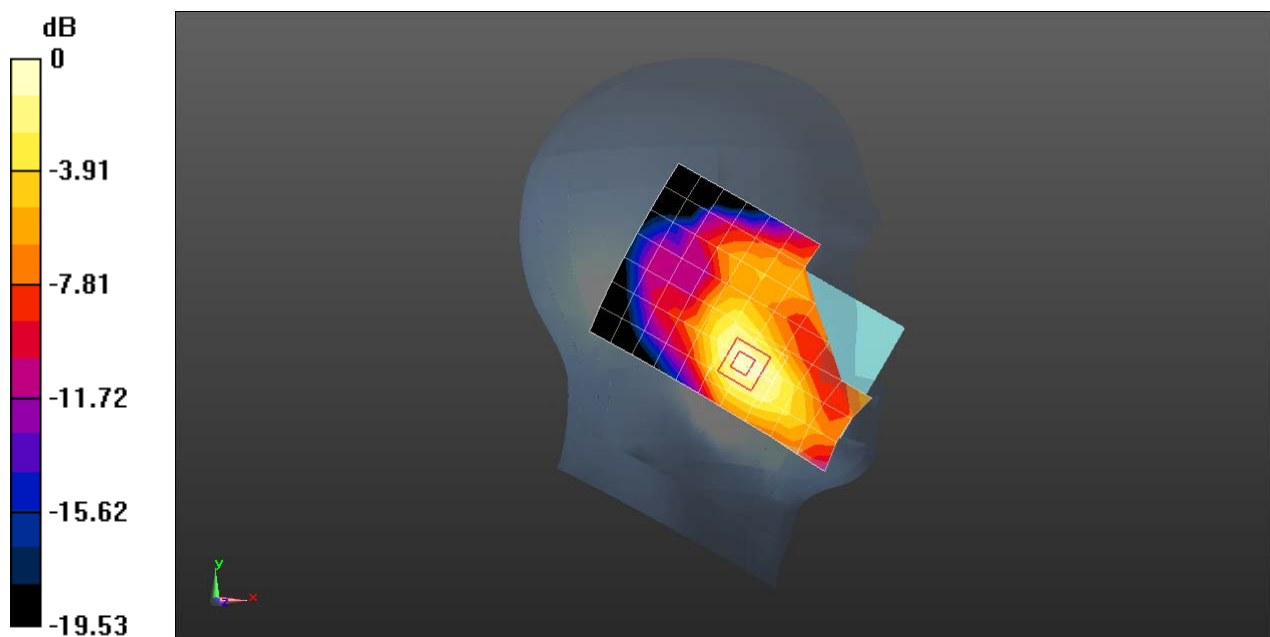
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.847 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.186 W/kg

SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.071 W/kg

Maximum value of SAR (measured) = 0.154 W/kg



0 dB = 0.154 W/kg = -8.12 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 GSM1900 GPRS 2TS 810CH Back Side 15mm with Battery 2 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, GPRS/EGPRS Mode(2up) Communication System (0); Frequency: 1909.8 MHz; Duty Cycle: 1:4.14954

Medium: MSL1900; Medium parameters used: $f = 1910$ MHz; $\sigma = 1.523$ S/m; $\epsilon_r = 53.808$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(7.67, 7.67, 7.67); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- 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) = 0.345 W/kg

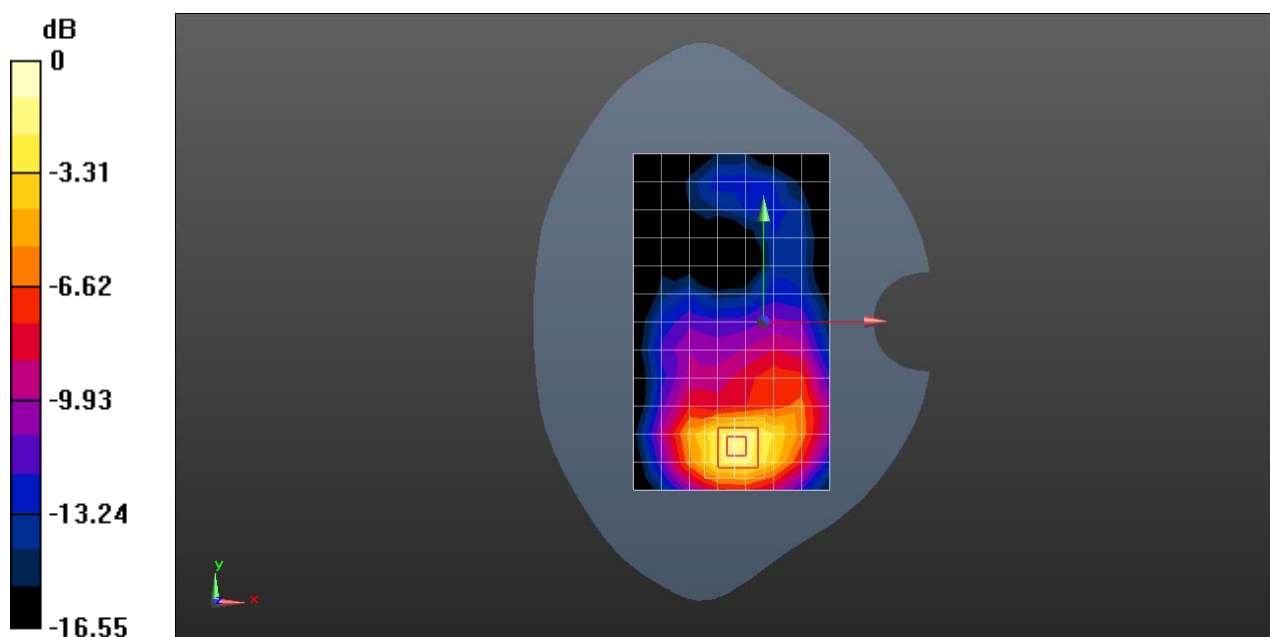
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.399 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.590 W/kg

SAR(1 g) = 0.379 W/kg; SAR(10 g) = 0.217 W/kg

Maximum value of SAR (measured) = 0.499 W/kg



0 dB = 0.499 W/kg = -3.02 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 GSM1900 GPRS 2TS 810CH Bottom side 10mm with Battery 2 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, GPRS/EGPRS Mode(2up) Communication System (0); Frequency: 1909.8 MHz; Duty Cycle: 1:4.14954

Medium: MSL1900; Medium parameters used: $f = 1910$ MHz; $\sigma = 1.523$ S/m; $\epsilon_r = 53.808$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(7.67, 7.67, 7.67); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.678 W/kg

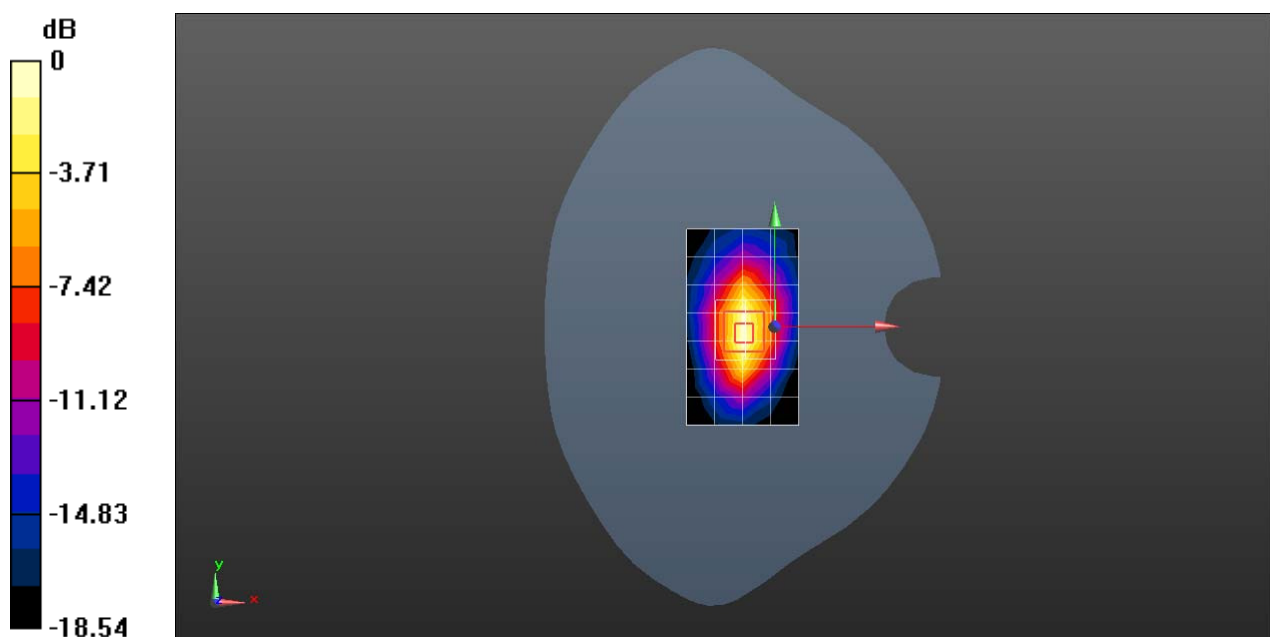
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 19.48 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.862 W/kg

SAR(1 g) = 0.508 W/kg; SAR(10 g) = 0.261 W/kg

Maximum value of SAR (measured) = 0.703 W/kg



Test Laboratory: SGS-SAR Lab

EML-L09 WCDMA Band II RMC 9538CH Left cheek with Battery 2 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, WCDMA (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1908$ MHz; $\sigma = 1.421$ S/m; $\epsilon_r = 41.757$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(7.71, 7.71, 7.71); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.241 W/kg

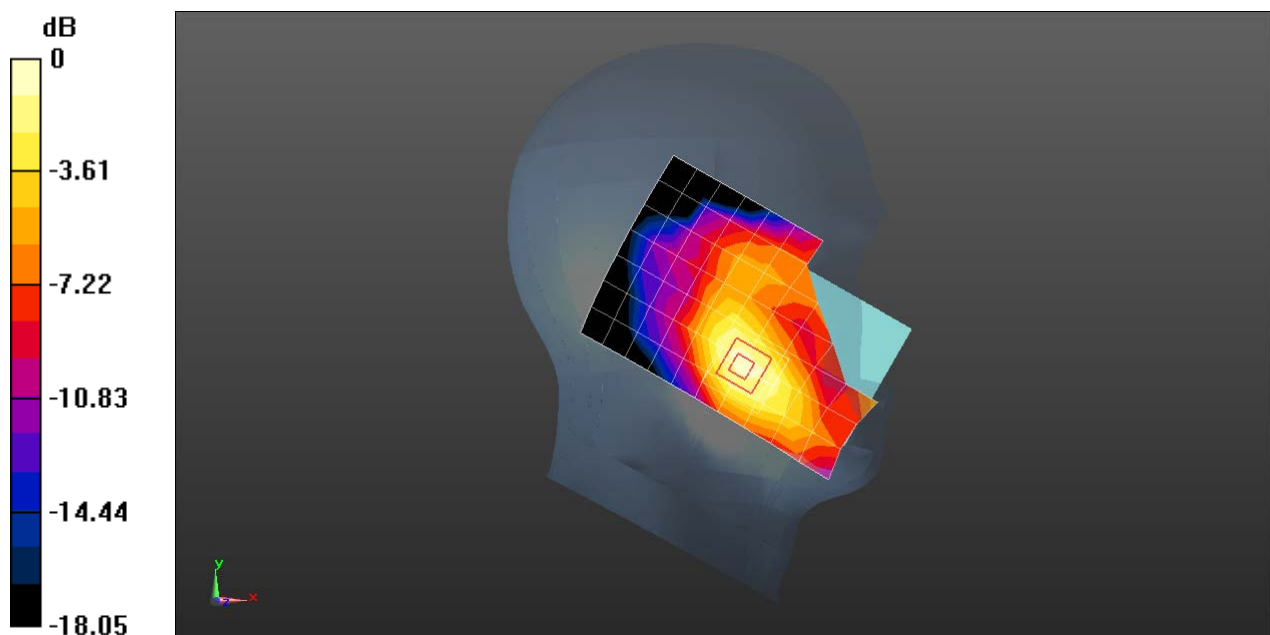
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.400 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.312 W/kg

SAR(1 g) = 0.197 W/kg; SAR(10 g) = 0.118 W/kg

Maximum value of SAR (measured) = 0.259 W/kg



0 dB = 0.259 W/kg = -5.87 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 WCDMA Band II RMC 9538CH Back Side 15mm with Battery 3 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000249

Communication System: UID 0, WCDMA (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL1900; Medium parameters used: $f = 1908$ MHz; $\sigma = 1.521$ S/m; $\epsilon_r = 53.818$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(7.67, 7.67, 7.67); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- 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) = 0.593 W/kg

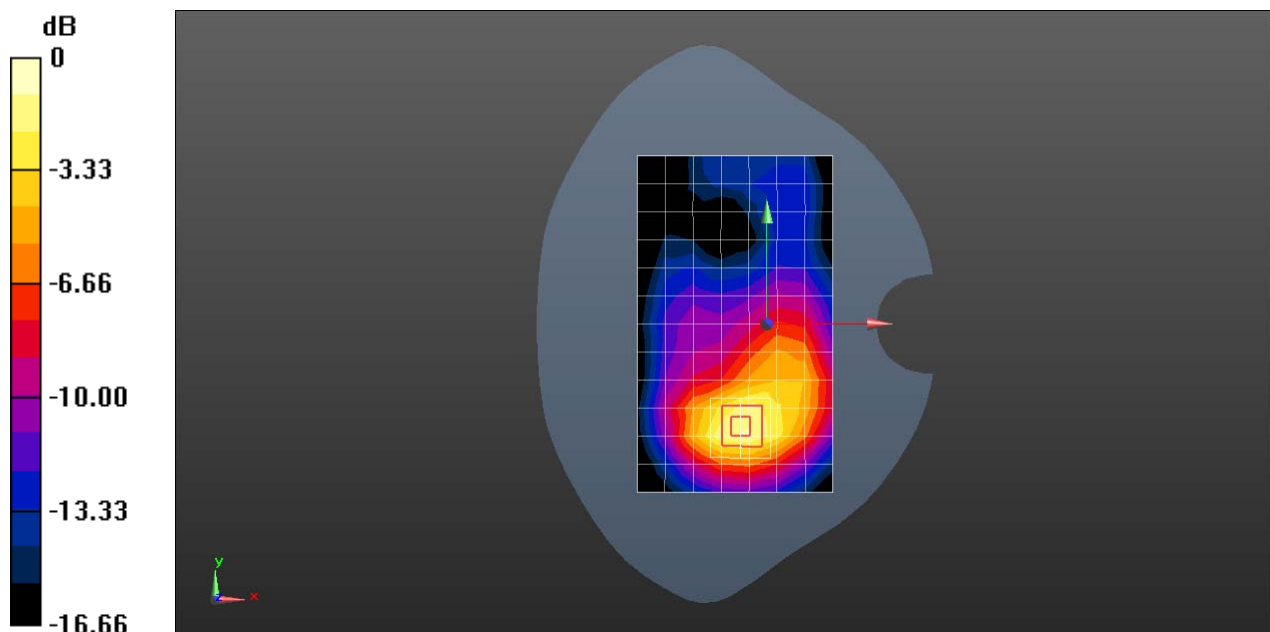
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.342 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.870 W/kg

SAR(1 g) = 0.559 W/kg; SAR(10 g) = 0.325 W/kg

Maximum value of SAR (measured) = 0.727 W/kg



Test Laboratory: SGS-SAR Lab

EML-L09 WCDMA Band II RMC 9538CH Bottom Side 10mm with Battery 3 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000249

Communication System: UID 0, WCDMA (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL1900; Medium parameters used: $f = 1908$ MHz; $\sigma = 1.521$ S/m; $\epsilon_r = 53.818$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(7.67, 7.67, 7.67); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.727 W/kg

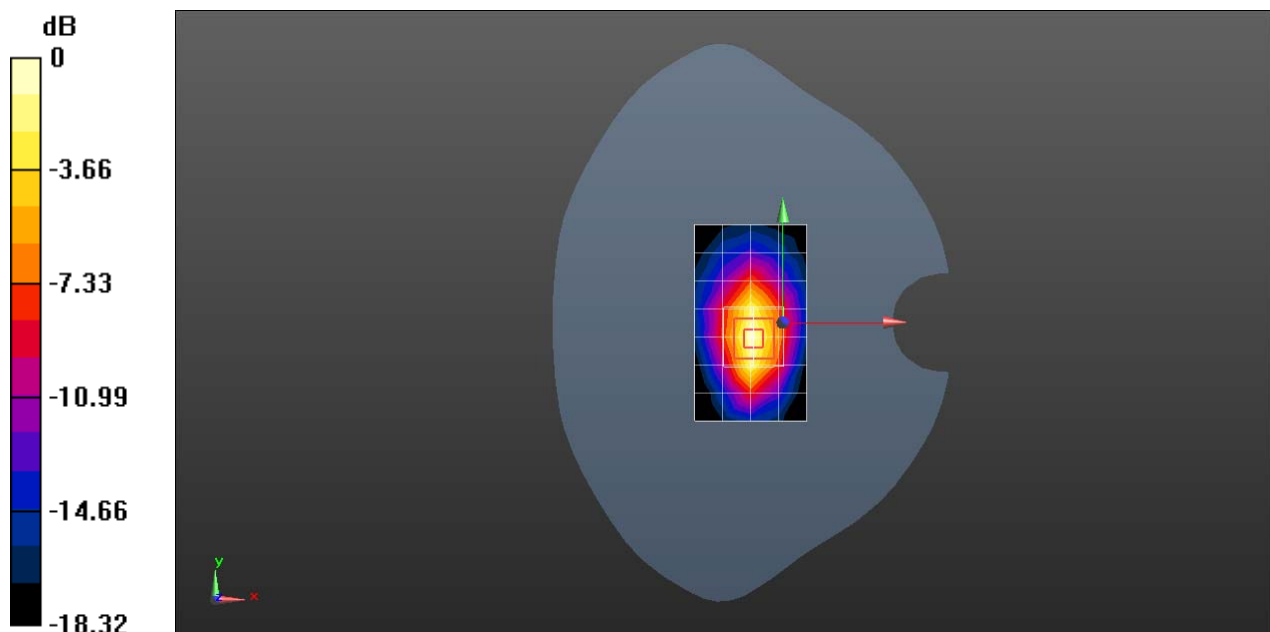
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 18.63 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.905 W/kg

SAR(1 g) = 0.535 W/kg; SAR(10 g) = 0.278 W/kg

Maximum value of SAR (measured) = 0.741 W/kg



0 dB = 0.741 W/kg = -1.30 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 WCDMA Band IV RMC 1412CH Left cheek with Battery 2 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, WCDMA (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.313$ S/m; $\epsilon_r = 40.85$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(7.97, 7.97, 7.97); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.129 W/kg

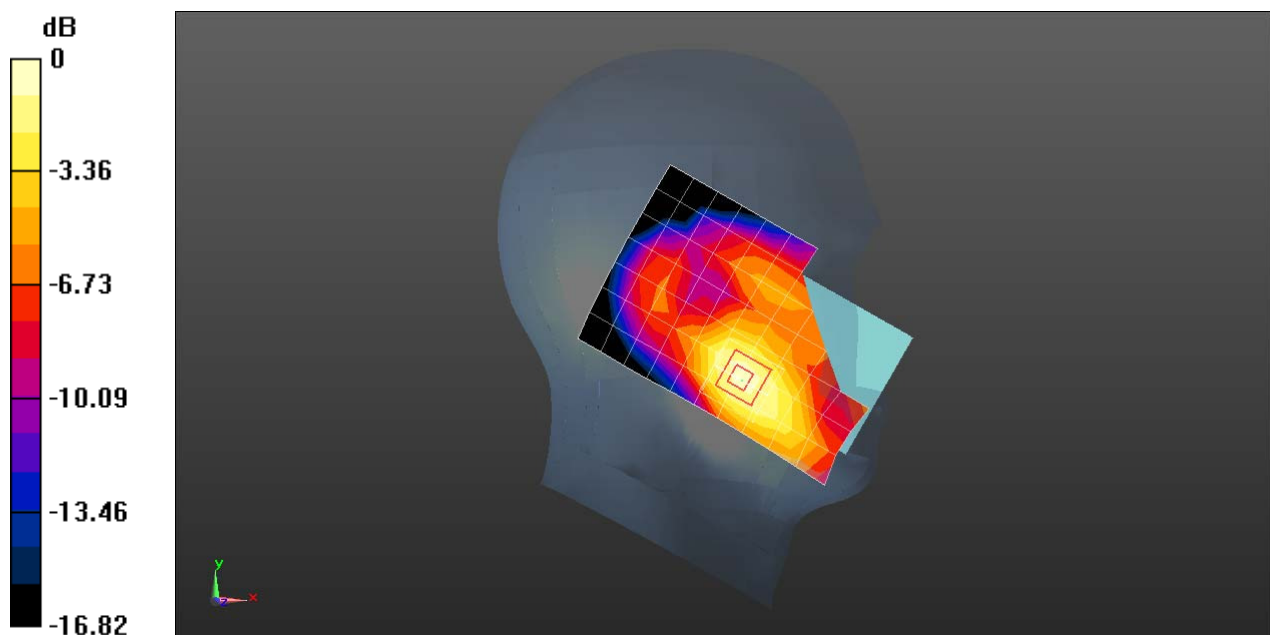
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.232 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.170 W/kg

SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.070 W/kg

Maximum value of SAR (measured) = 0.143 W/kg



Test Laboratory: SGS-SAR Lab

EML-L09 WCDMA Band IV RMC 1513CH Front Side 15mm with Battery 2 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, WCDMA (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL1750; Medium parameters used: $f = 1753$ MHz; $\sigma = 1.496$ S/m; $\epsilon_r = 52.153$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(7.81, 7.81, 7.81); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM2; Type: SAM; Serial: 1913
- 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) = 0.418 W/kg

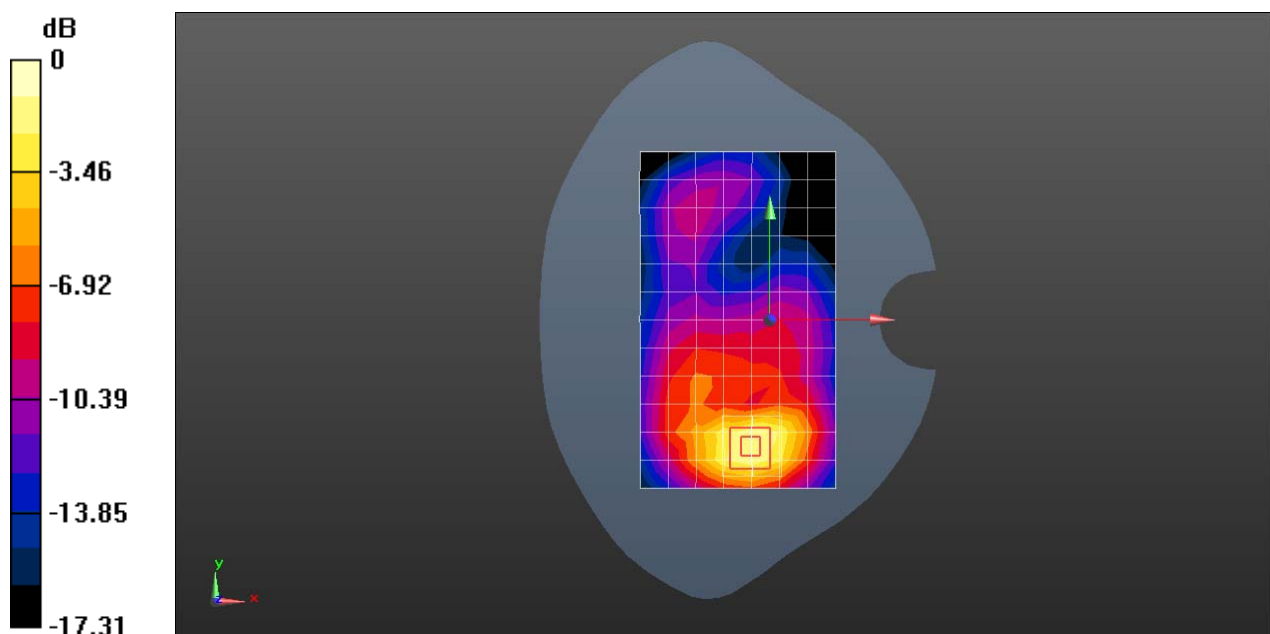
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.618 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.686 W/kg

SAR(1 g) = 0.421 W/kg; SAR(10 g) = 0.238 W/kg

Maximum value of SAR (measured) = 0.565 W/kg



Test Laboratory: SGS-SAR Lab

EML-L09 WCDMA Band IV RMC 1513CH Bottom Side 10mm with Battery 2 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, WCDMA (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL1750; Medium parameters used: $f = 1753$ MHz; $\sigma = 1.496$ S/m; $\epsilon_r = 52.153$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(7.81, 7.81, 7.81); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.585 W/kg

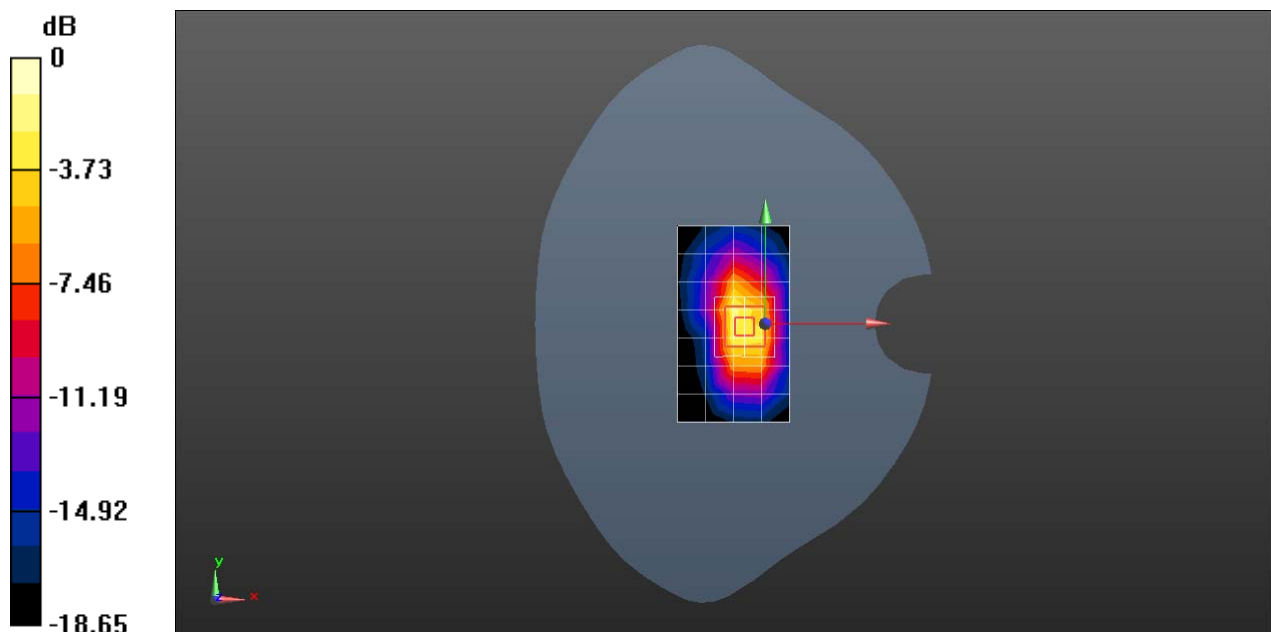
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 18.85 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.628 W/kg; SAR(10 g) = 0.312 W/kg

Maximum value of SAR (measured) = 0.909 W/kg



0 dB = 0.909 W/kg = -0.41 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 WCDMA Band V RMC 4233CH Right cheek Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000179

Communication System: UID 0, WCDMA (0); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used: $f = 847$ MHz; $\sigma = 0.893$ S/m; $\epsilon_r = 40.772$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(9.77, 9.77, 9.77); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.284 W/kg

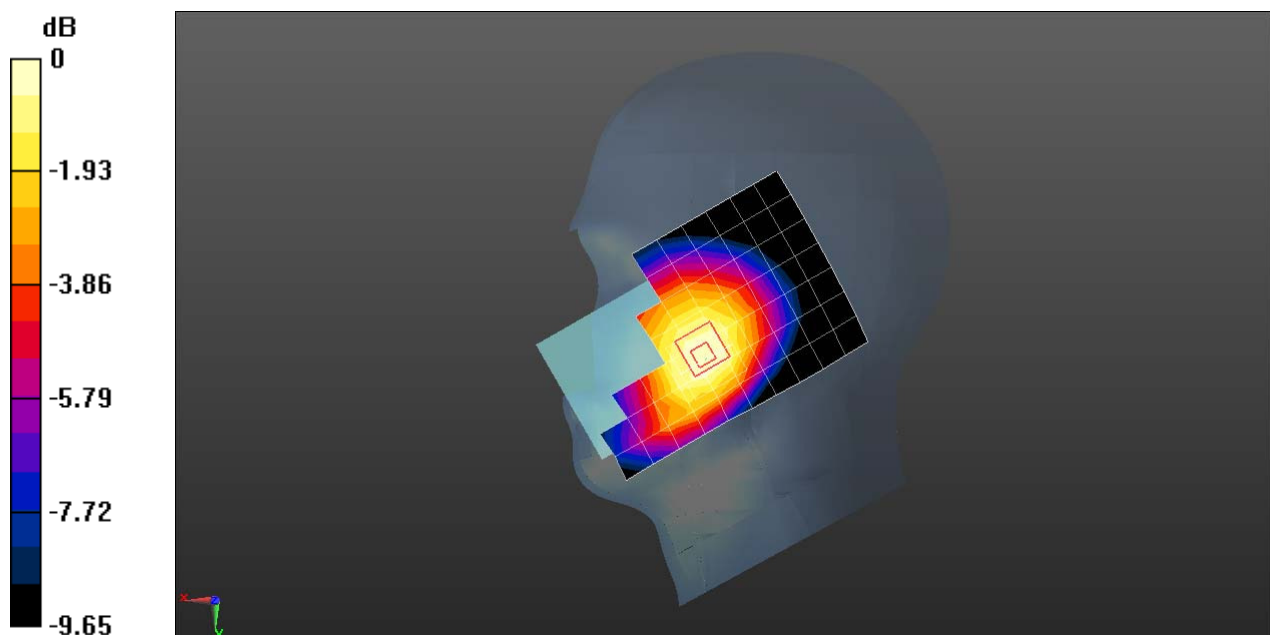
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.065 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.329 W/kg

SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.192 W/kg

Maximum value of SAR (measured) = 0.294 W/kg



0 dB = 0.294 W/kg = -5.32 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 WCDMA Band V RMC 4233CH Back side 15mm with Battery 3 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000249

Communication System: UID 0, WCDMA (0); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL835; Medium parameters used: $f = 847$ MHz; $\sigma = 0.987$ S/m; $\epsilon_r = 53.844$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.8, 8.8, 8.8); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- 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) = 0.348 W/kg

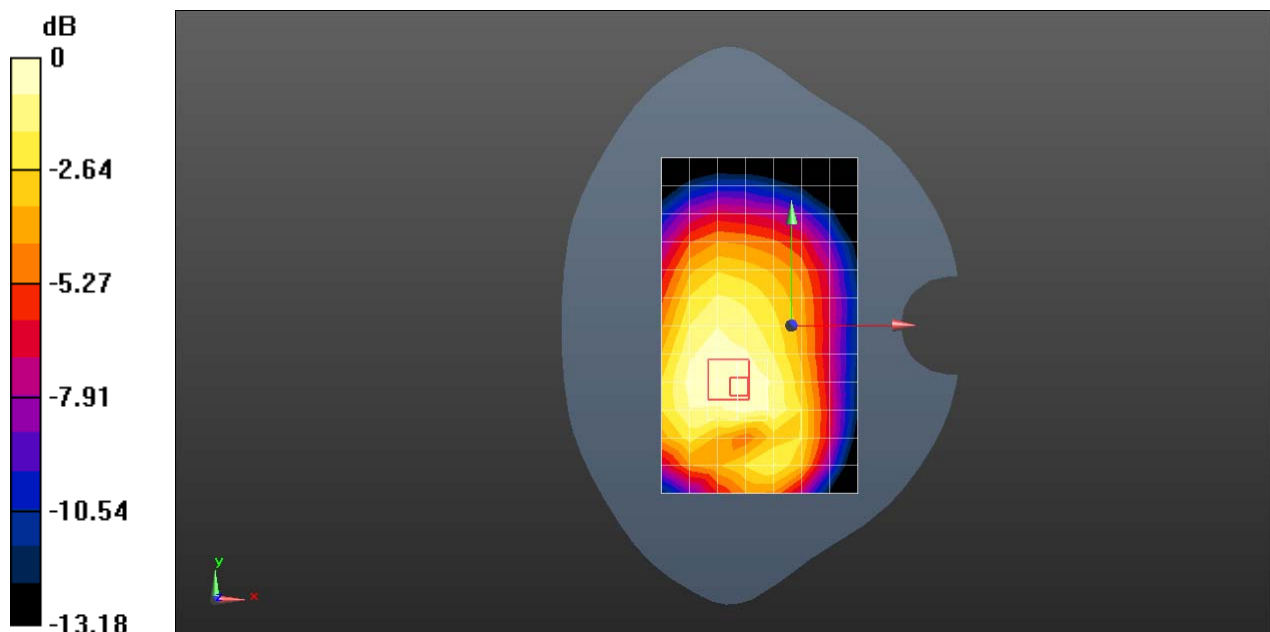
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 14.67 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.403 W/kg

SAR(1 g) = 0.303 W/kg; SAR(10 g) = 0.226 W/kg

Maximum value of SAR (measured) = 0.356 W/kg



0 dB = 0.356 W/kg = -4.49 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 WCDMA Band V RMC 4233CH Back side 10mm Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000176

Communication System: UID 0, WCDMA (0); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL835; Medium parameters used: $f = 847$ MHz; $\sigma = 0.987$ S/m; $\epsilon_r = 53.844$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.8, 8.8, 8.8); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- 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) = 0.615 W/kg

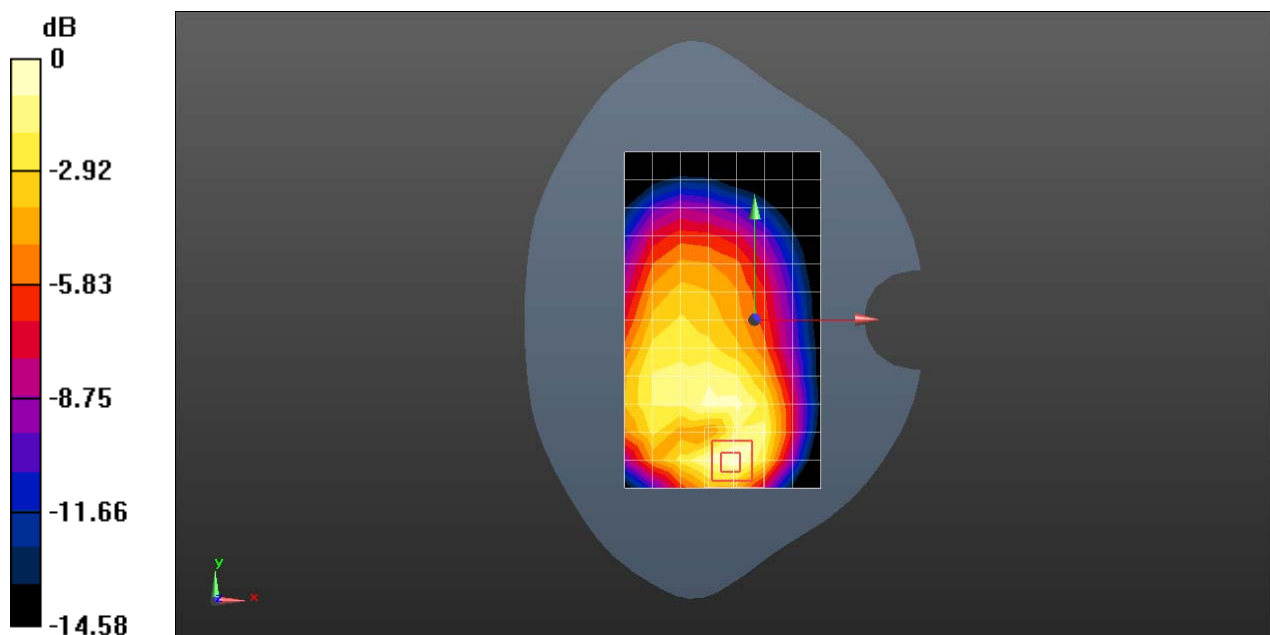
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.17 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.759 W/kg

SAR(1 g) = 0.447 W/kg; SAR(10 g) = 0.258 W/kg

Maximum value of SAR (measured) = 0.611 W/kg



0 dB = 0.611 W/kg = -2.14 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 2 20MHz bandwidth QPSK 1RB0 Offset 18700CH Left cheek with Battery 2 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1860$ MHz; $\sigma = 1.373$ S/m; $\epsilon_r = 41.939$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(7.71, 7.71, 7.71); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.205 W/kg

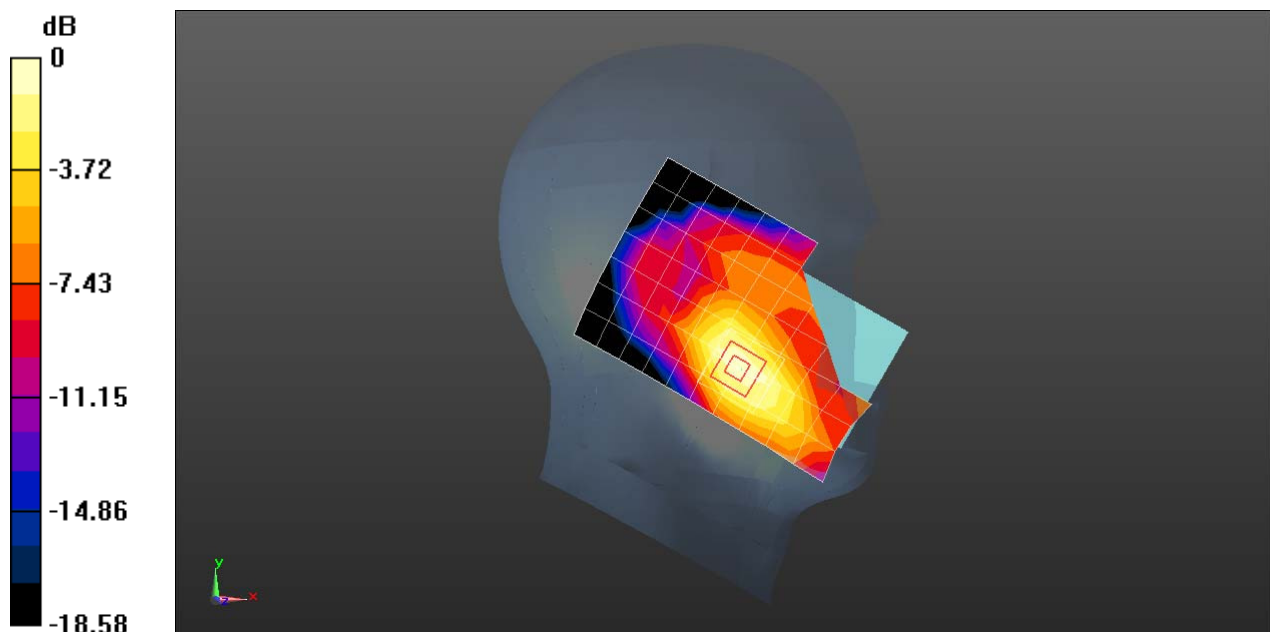
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.165 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.255 W/kg

SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.100 W/kg

Maximum value of SAR (measured) = 0.210 W/kg



0 dB = 0.210 W/kg = -6.78 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 2 20MHz bandwidth QPSK 1RB0 Offset 19100CH Front Side 15mm with Battery 2 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL1900; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.514$ S/m; $\epsilon_r = 53.84$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(7.67, 7.67, 7.67); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- 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) = 0.571 W/kg

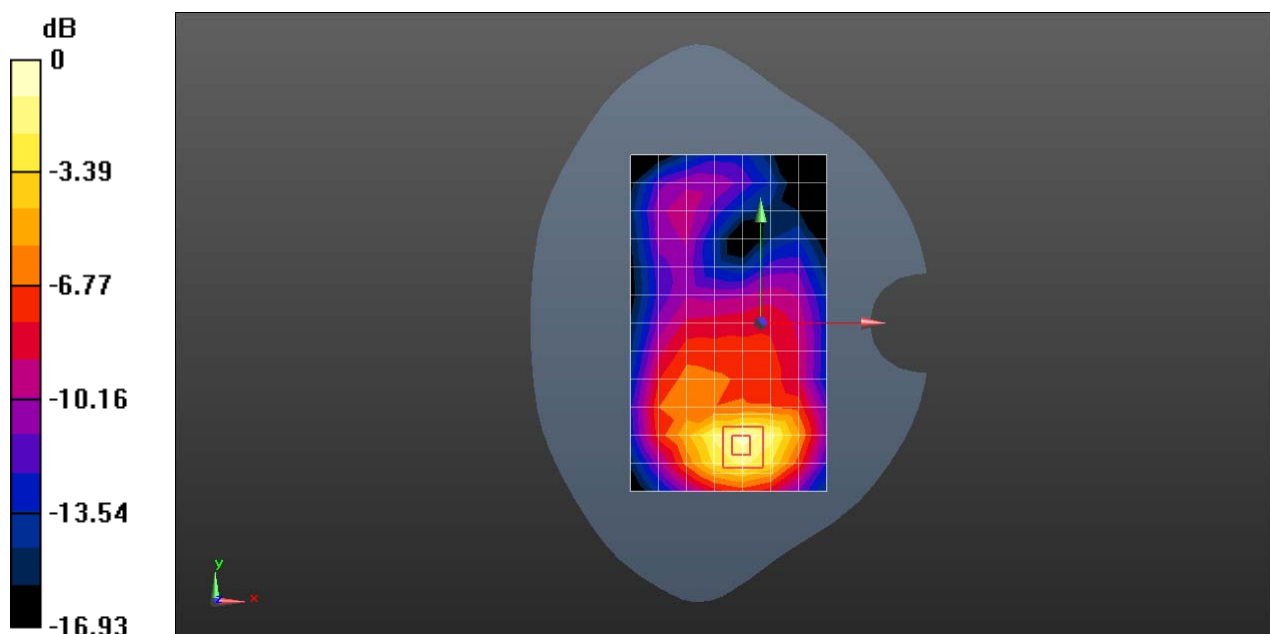
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.383 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.766 W/kg

SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.285 W/kg

Maximum value of SAR (measured) = 0.649 W/kg



0 dB = 0.649 W/kg = -1.88 dBW/kg

Test Laboratory: SGS-SAR Lab

**EML-L09 LTE Band 2 20MHz bandwidth QPSK 50RB0 Offset 19100CH
Bottom Side 10mm with Battery 2 Ant1**

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL1900; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.514$ S/m; $\epsilon_r = 53.84$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(7.67, 7.67, 7.67); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.618 W/kg

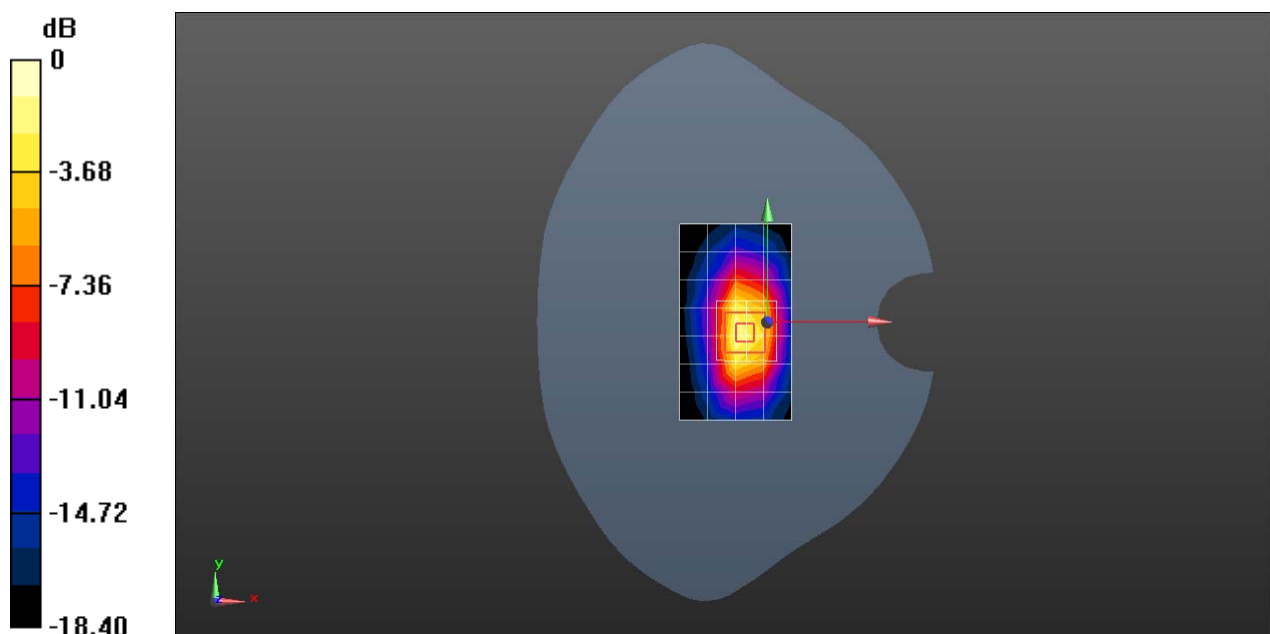
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 18.35 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.996 W/kg

SAR(1 g) = 0.586 W/kg; SAR(10 g) = 0.301 W/kg

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



Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 4 20MHz bandwidth QPSK 1RB0 Offset 20050CH Left cheek Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000172

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used: $f = 1720$ MHz; $\sigma = 1.301$ S/m; $\epsilon_r = 40.891$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(7.97, 7.97, 7.97); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.133 W/kg

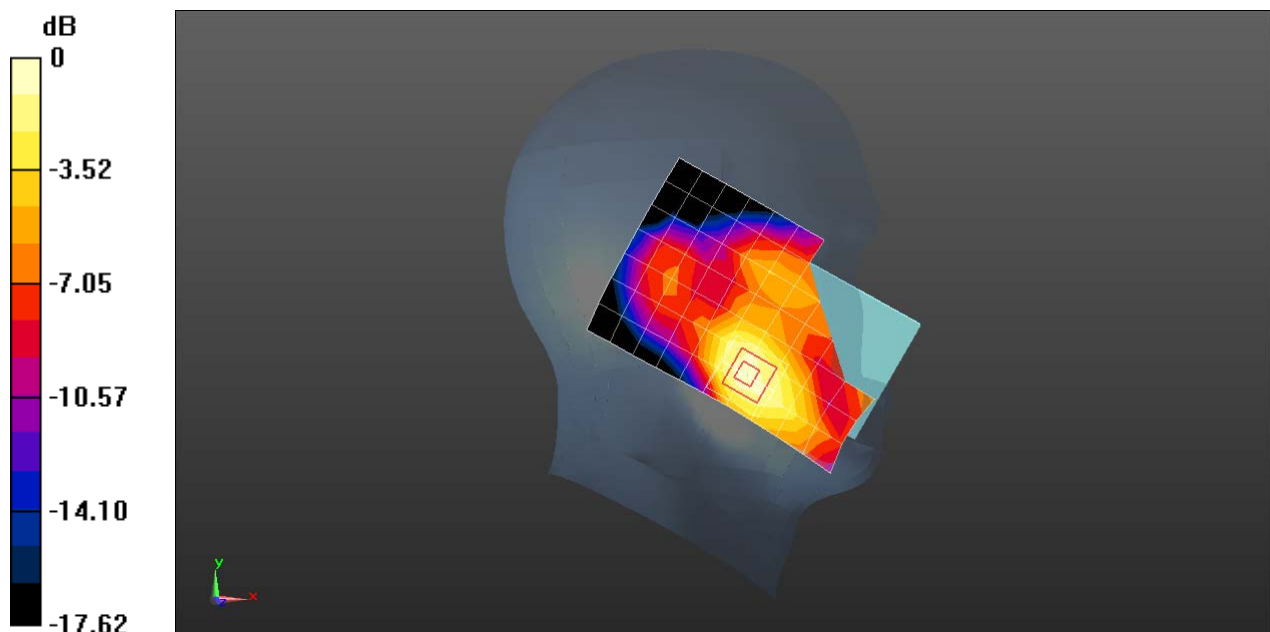
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.246 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.170 W/kg

SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.075 W/kg

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



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

Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 4 20MHz bandwidth QPSK 1RB0 Offset 20300CH Front Side 15mm with Battery 2 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL1750; Medium parameters used: $f = 1745$ MHz; $\sigma = 1.488$ S/m; $\epsilon_r = 52.171$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(7.81, 7.81, 7.81); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM2; Type: SAM; Serial: 1913
- 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) = 0.515 W/kg

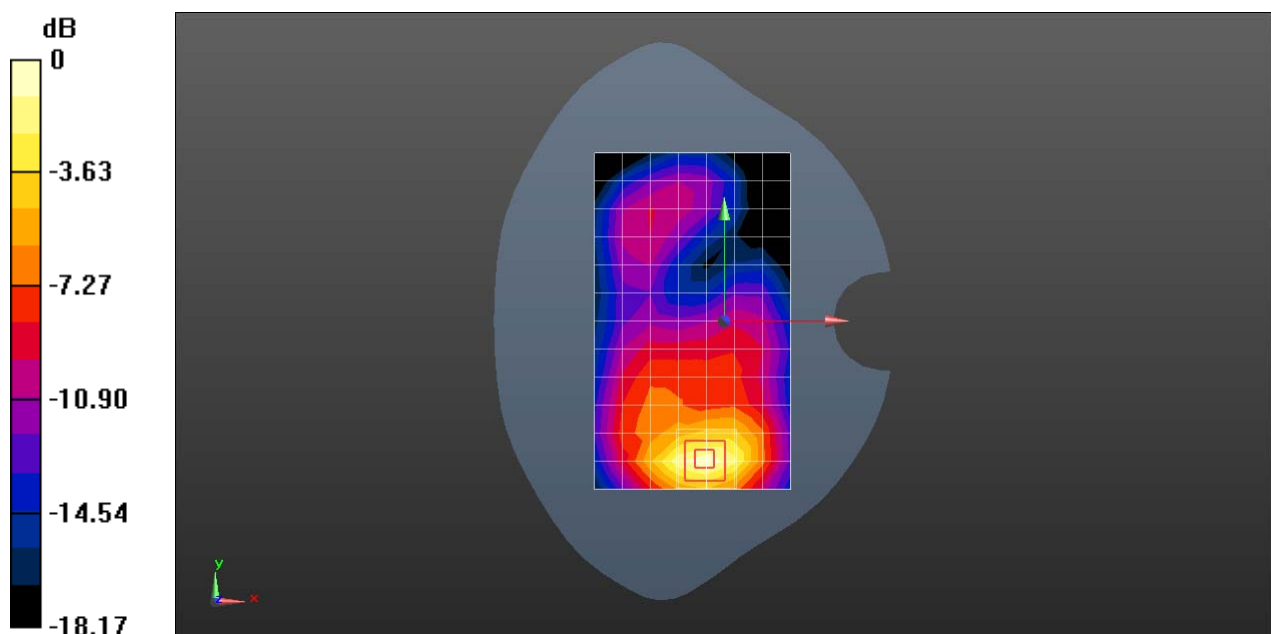
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.267 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.627 W/kg

SAR(1 g) = 0.386 W/kg; SAR(10 g) = 0.219 W/kg

Maximum value of SAR (measured) = 0.519 W/kg



Test Laboratory: SGS-SAR Lab

**EML-L09 LTE Band 4 20MHz bandwidth QPSK 50RB0 Offset 20300CH
Bottom Side 10mm with Battery 2 Ant1**

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL1750; Medium parameters used: $f = 1745$ MHz; $\sigma = 1.488$ S/m; $\epsilon_r = 52.171$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(7.81, 7.81, 7.81); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.677 W/kg

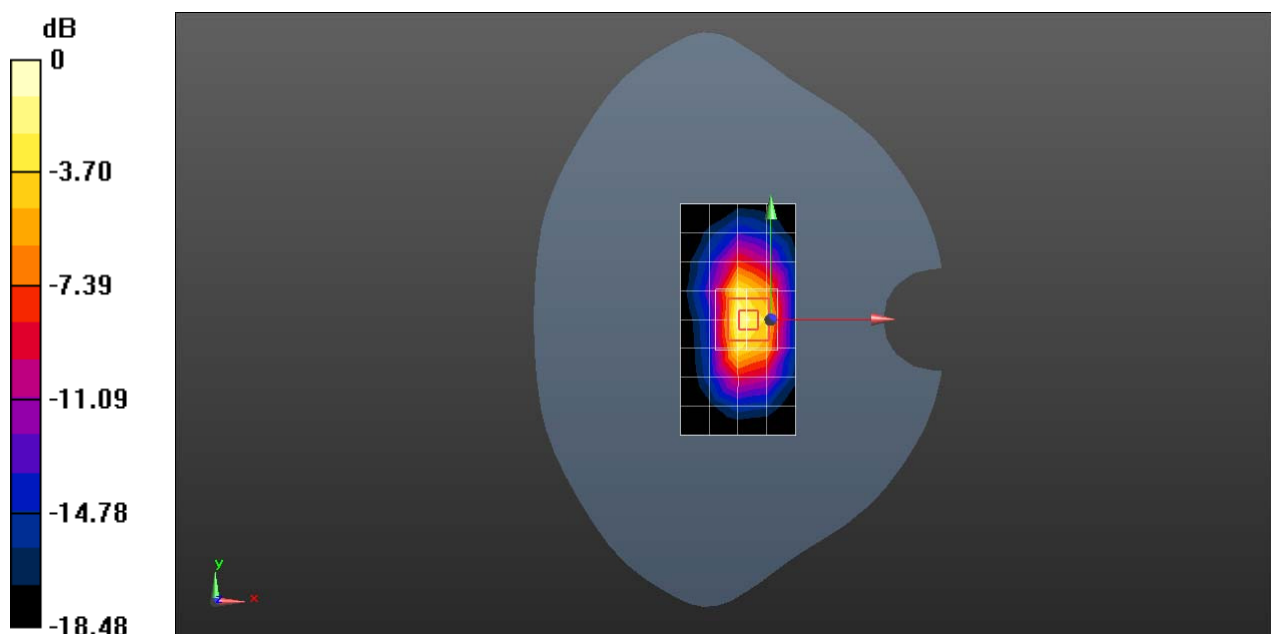
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 19.72 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.634 W/kg; SAR(10 g) = 0.315 W/kg

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



Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 5 10MHz bandwidth QPSK 1RB0 Offset 20600CH Right cheek with Battery 2 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 844 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used: $f = 844$ MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 40.79$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(9.77, 9.77, 9.77); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.245 W/kg

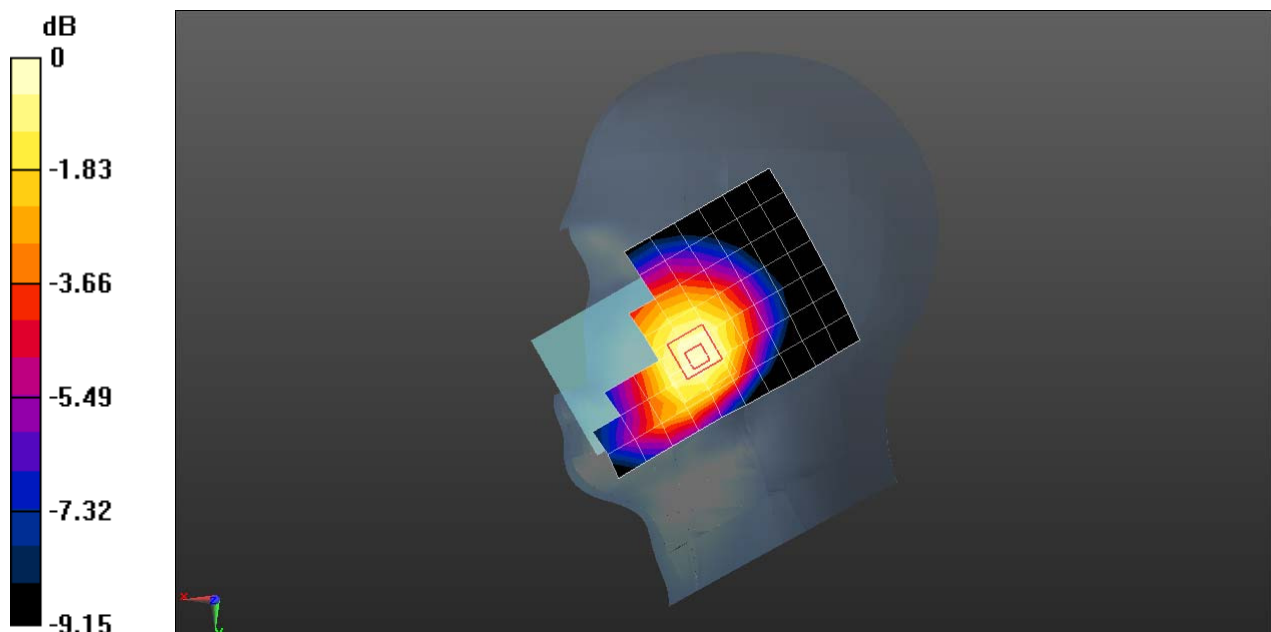
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.609 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.280 W/kg

SAR(1 g) = 0.214 W/kg; SAR(10 g) = 0.162 W/kg

Maximum value of SAR (measured) = 0.248 W/kg



0 dB = 0.248 W/kg = -6.06 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 5 10MHz bandwidth QPSK 1RB0 Offset 20600CH Back side 15mm Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000176

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 844 MHz;Duty Cycle: 1:1

Medium: MSL835;Medium parameters used: $f = 844$ MHz; $\sigma = 1.001$ S/m; $\epsilon_r = 56.062$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.8, 8.8, 8.8); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- 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) = 0.322 W/kg

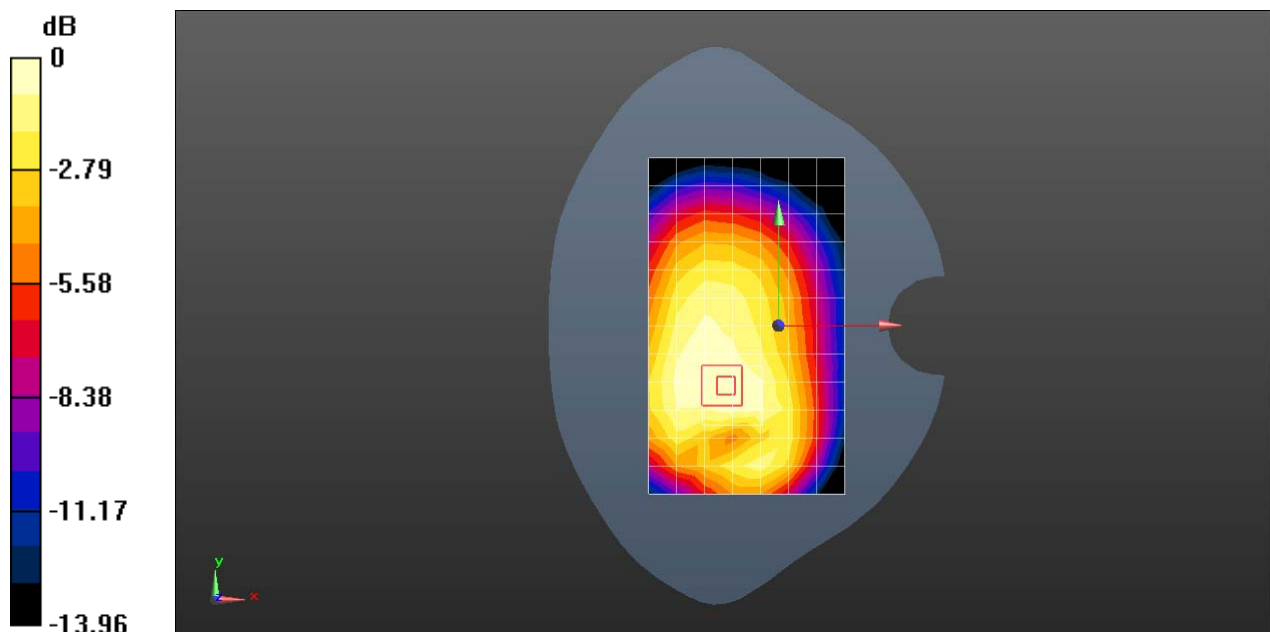
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 14.49 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.373 W/kg

SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.204 W/kg

Maximum value of SAR (measured) = 0.329 W/kg



0 dB = 0.329 W/kg = -4.83 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 5 10MHz bandwidth QPSK 1RB0 Offset 20600CH Back side 10mm with Battery 2 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL835; Medium parameters used: $f = 844$ MHz; $\sigma = 1.001$ S/m; $\epsilon_r = 56.062$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.8, 8.8, 8.8); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- 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) = 0.561 W/kg

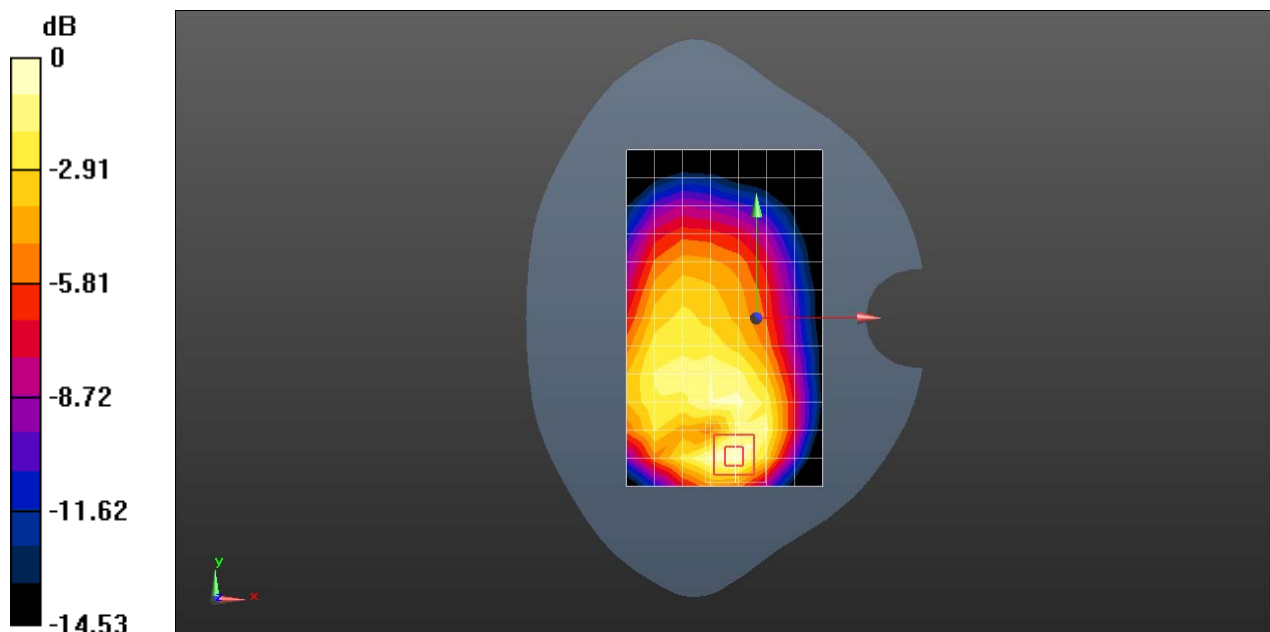
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.26 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.719 W/kg

SAR(1 g) = 0.424 W/kg; SAR(10 g) = 0.246 W/kg

Maximum value of SAR (measured) = 0.584 W/kg



Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 7 20MHz bandwidth QPSK 1RB99 Offset 21350CH Left tilted with Battery 3 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000249

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: HSL2600; Medium parameters used: $f = 2560$ MHz; $\sigma = 1.952$ S/m; $\epsilon_r = 39.495$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.7, 6.7, 6.7); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- 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) = 0.129 W/kg

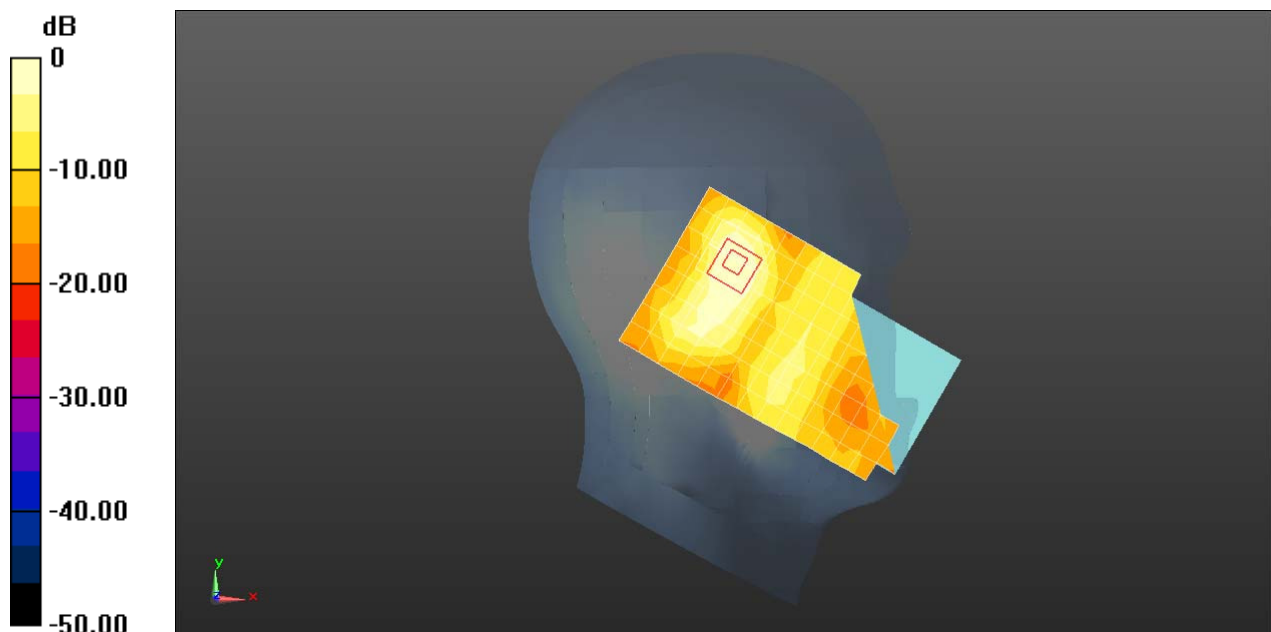
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.276 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.186 W/kg

SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.049 W/kg

Maximum value of SAR (measured) = 0.142 W/kg



Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 7 20MHz bandwidth QPSK 1RB99 Offset 21100CH Front side 15mm Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000176

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: MSL2600; Medium parameters used: $f = 2535$ MHz; $\sigma = 2.042$ S/m; $\epsilon_r = 50.537$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.98, 6.98, 6.98); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.468 W/kg

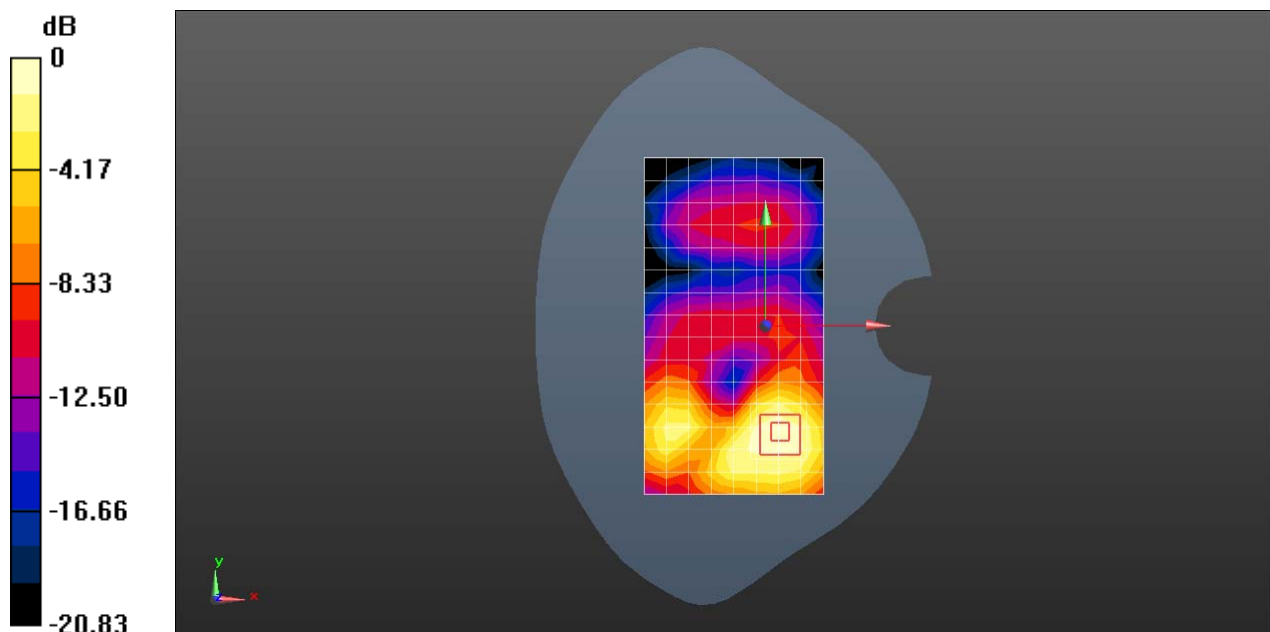
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.543 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.605 W/kg

SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.184 W/kg

Maximum value of SAR (measured) = 0.473 W/kg



0 dB = 0.473 W/kg = -3.25 dBW/kg

Test Laboratory: SGS-SAR Lab

**EML-L09 LTE Band 7 20MHz bandwidth QPSK 1RB99 Offset 21350CH
Bottom side 10mm Ant1**

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000176

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: MSL2600; Medium parameters used: $f = 2560$ MHz; $\sigma = 2.075$ S/m; $\epsilon_r = 50.441$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.83, 6.83, 6.83); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.877 W/kg

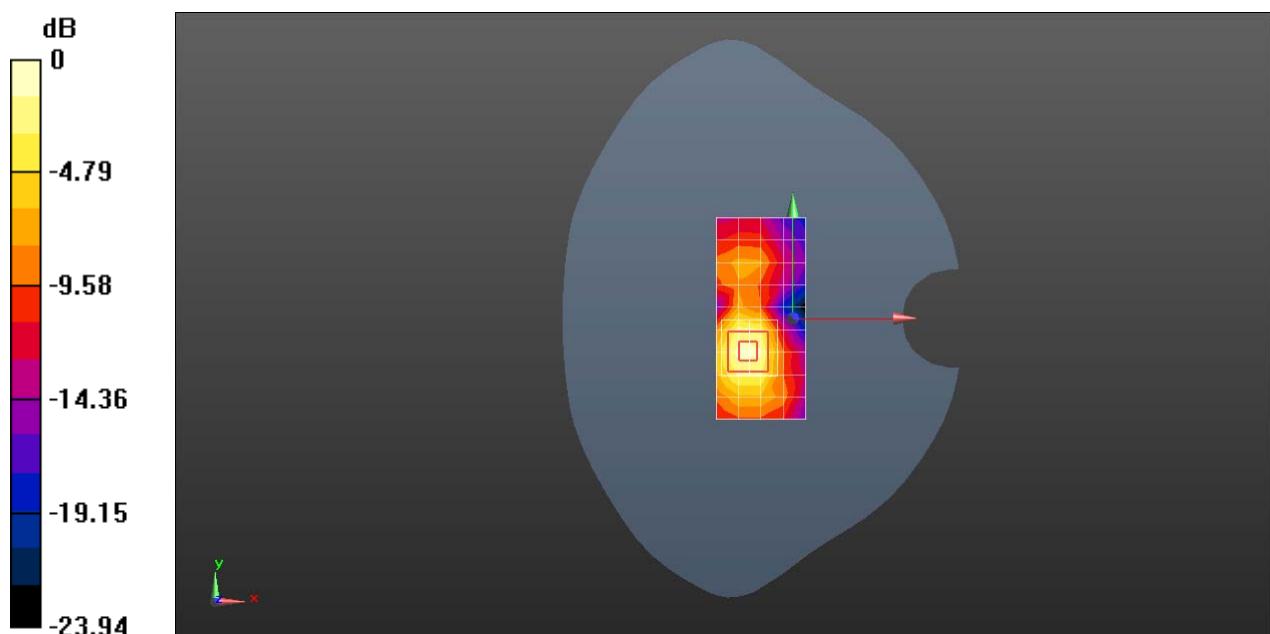
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.468 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.735 W/kg; SAR(10 g) = 0.352 W/kg

Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.06 W/kg = 0.25 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 12 10MHz bandwidth QPSK 1RB49 Offset 23095CH Right cheek with Battery 2 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.852$ S/m; $\epsilon_r = 43.304$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(9.77, 9.77, 9.77); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.161 W/kg

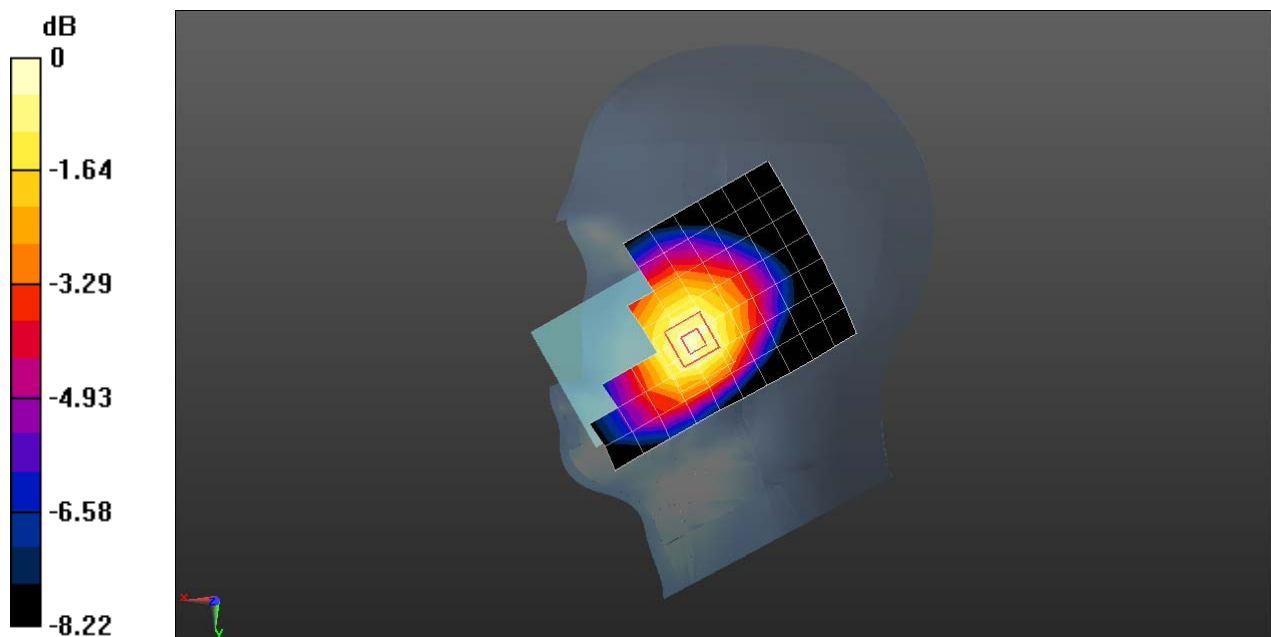
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.575 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.191 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.120 W/kg

Maximum value of SAR (measured) = 0.173 W/kg



0 dB = 0.173 W/kg = -7.62 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 12 10MHz bandwidth QPSK 1RB49 Offset 23130CH Back side 15mm with Battery 2 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL750; Medium parameters used: $f = 711 \text{ MHz}$; $\sigma = 0.932 \text{ S/m}$; $\epsilon_r = 55.403$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(9.13, 9.13, 9.13); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (8x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.312 W/kg

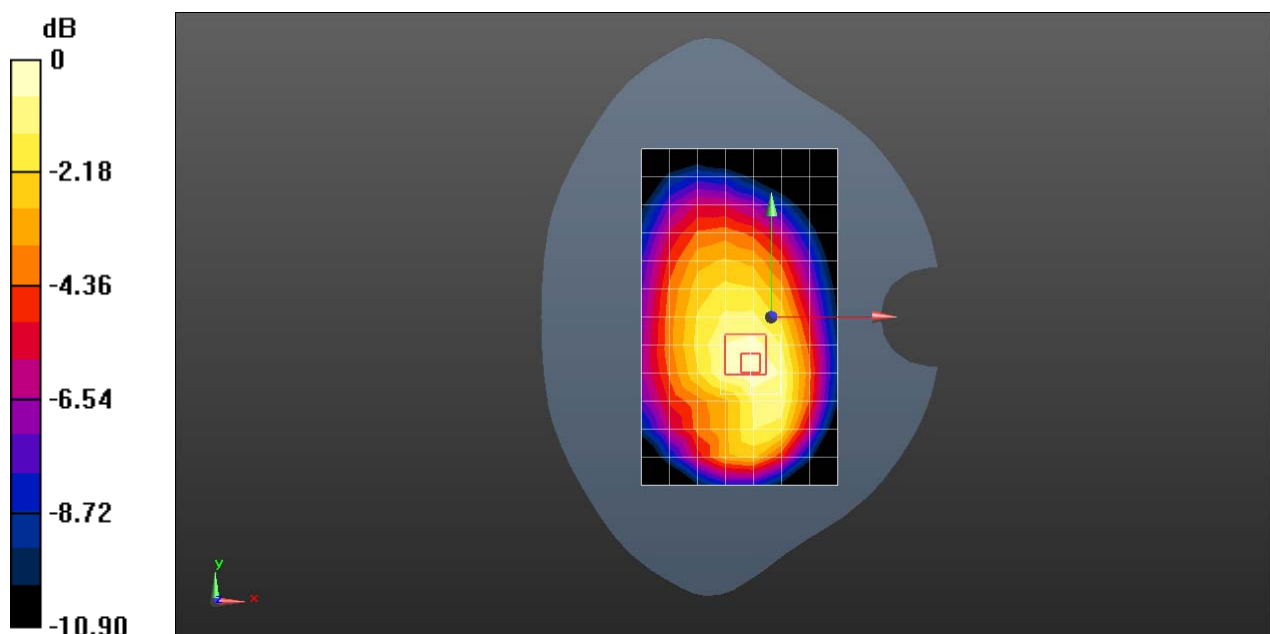
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.34 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.360 W/kg

SAR(1 g) = 0.260 W/kg ; SAR(10 g) = 0.188 W/kg

Maximum value of SAR (measured) = 0.311 W/kg



0 dB = 0.311 W/kg = -5.07 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 12 10MHz bandwidth QPSK 1RB49 Offset 23130CH Right side 10mm Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000176

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL750; Medium parameters used: $f = 711$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 55.403$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(9.13, 9.13, 9.13); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.419 W/kg

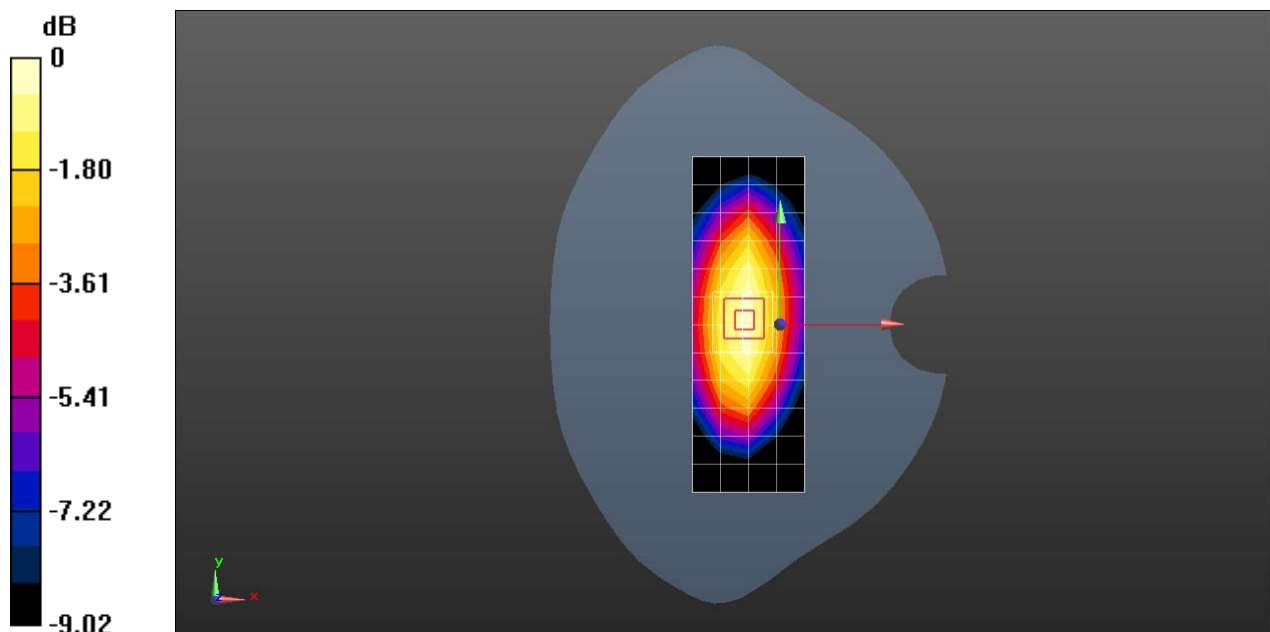
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 19.86 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.492 W/kg

SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.244 W/kg

Maximum value of SAR (measured) = 0.428 W/kg



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

Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 17 10MHz bandwidth QPSK 1RB49 Offset 23790CH Right cheek Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000176

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used: $f = 710 \text{ MHz}$; $\sigma = 0.854 \text{ S/m}$; $\epsilon_r = 43.286$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(9.77, 9.77, 9.77); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.165 W/kg

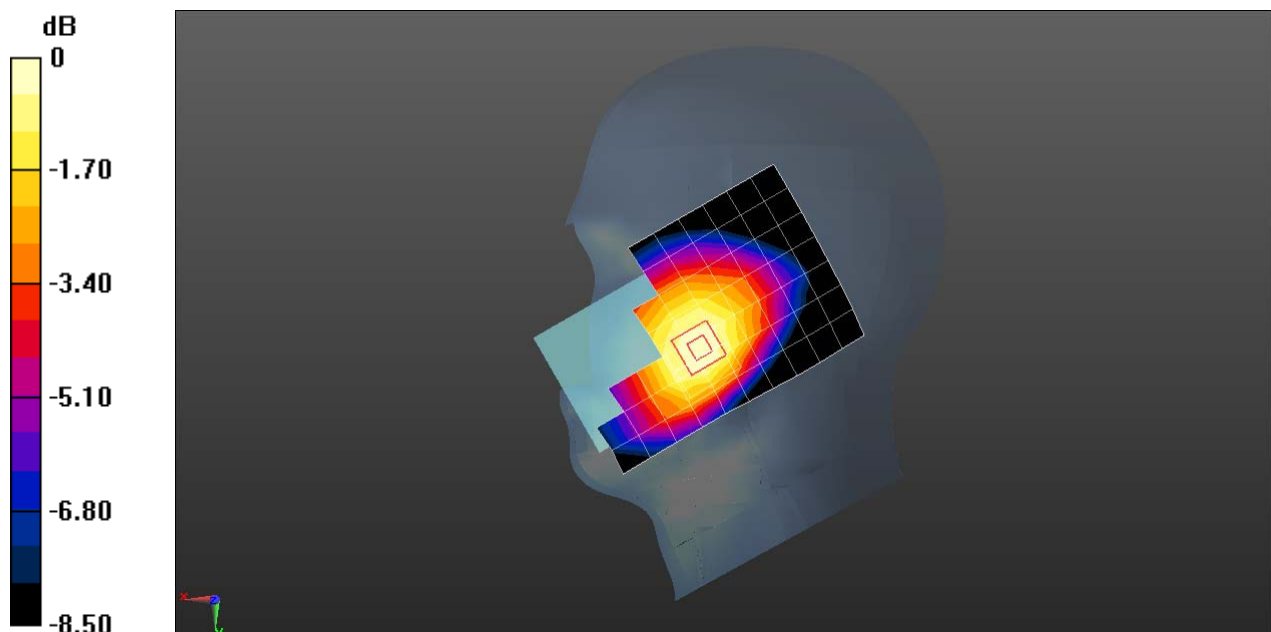
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.566 V/m ; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.187 W/kg

SAR(1 g) = 0.151 W/kg ; SAR(10 g) = 0.118 W/kg

Maximum value of SAR (measured) = 0.170 W/kg



0 dB = 0.170 W/kg = -7.70 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 17 10MHz bandwidth QPSK 1RB49 Offset 23790CH Back side 15mm with Battery 2 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL750; Medium parameters used: $f = 710 \text{ MHz}$; $\sigma = 0.931 \text{ S/m}$; $\epsilon_r = 55.411$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(9.13, 9.13, 9.13); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (8x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.303 W/kg

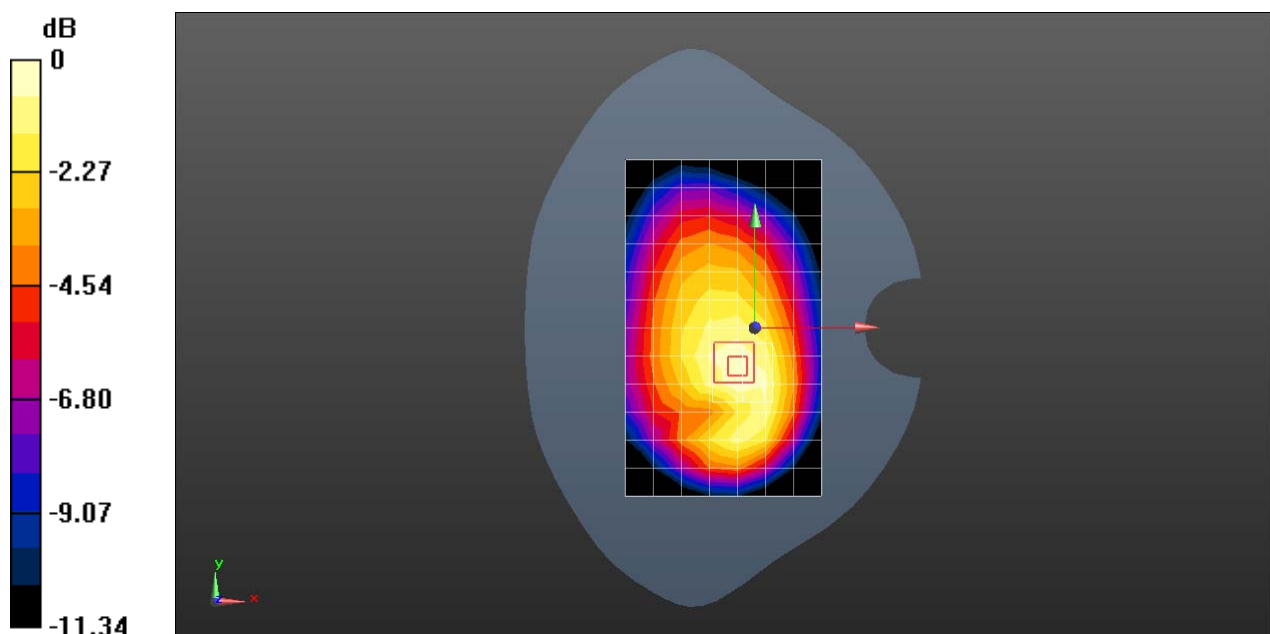
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.66 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.363 W/kg

SAR(1 g) = 0.263 W/kg ; SAR(10 g) = 0.189 W/kg

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



0 dB = 0.317 W/kg = -4.99 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 17 10MHz bandwidth QPSK 1RB49 Offset 23790CH Right side 10mm Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000176

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL750; Medium parameters used: $f = 710$ MHz; $\sigma = 0.931$ S/m; $\epsilon_r = 55.411$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(9.13, 9.13, 9.13); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.420 W/kg

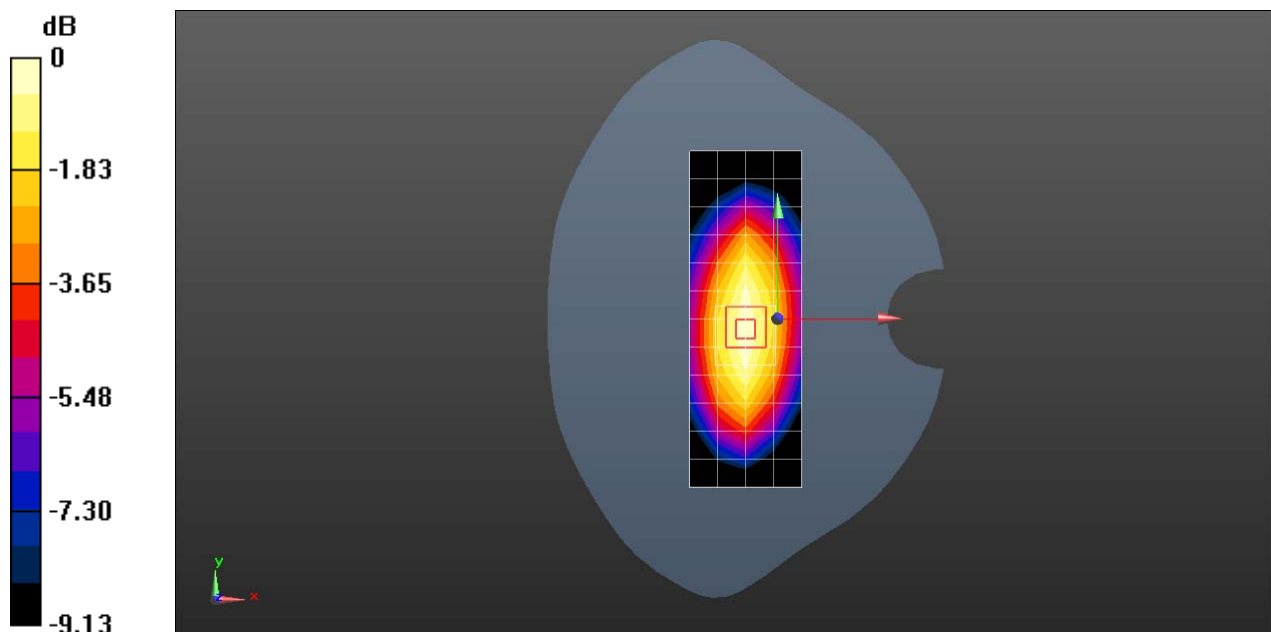
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 19.87 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.488 W/kg

SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.242 W/kg

Maximum value of SAR (measured) = 0.424 W/kg



0 dB = 0.424 W/kg = -3.73 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 26 15MHz bandwidth QPSK 1RB38 Offset 26965CH Right cheek with Battery 2 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, LTE-FDD BW 15MHz (0); Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used (interpolated): $f = 841.5$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 40.806$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(9.77, 9.77, 9.77); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.227 W/kg

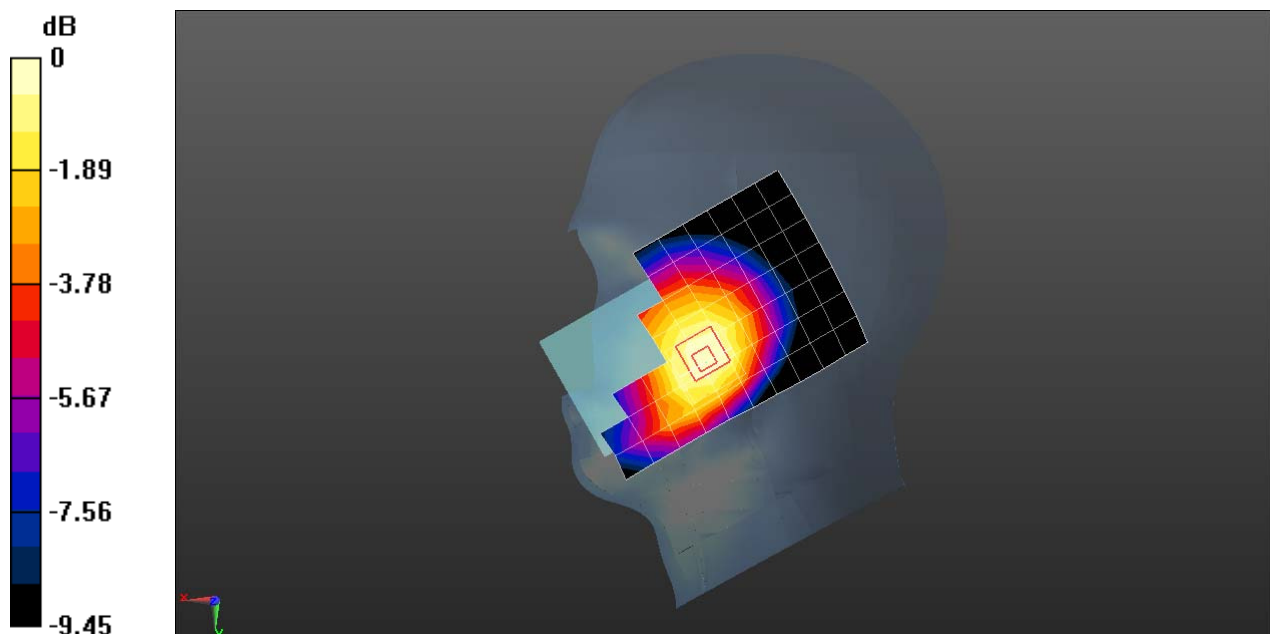
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.249 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.262 W/kg

SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.151 W/kg

Maximum value of SAR (measured) = 0.233 W/kg



0 dB = 0.233 W/kg = -6.33 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 26 15MHz bandwidth QPSK 1RB38 Offset 26965CH Back side 10mm with Battery 2 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, LTE-FDD BW 15MHz (0); Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium: MSL835; Medium parameters used (interpolated): $f = 841.5$ MHz; $\sigma = 0.993$ S/m; $\epsilon_r = 56.286$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.8, 8.8, 8.8); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- 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) = 0.449 W/kg

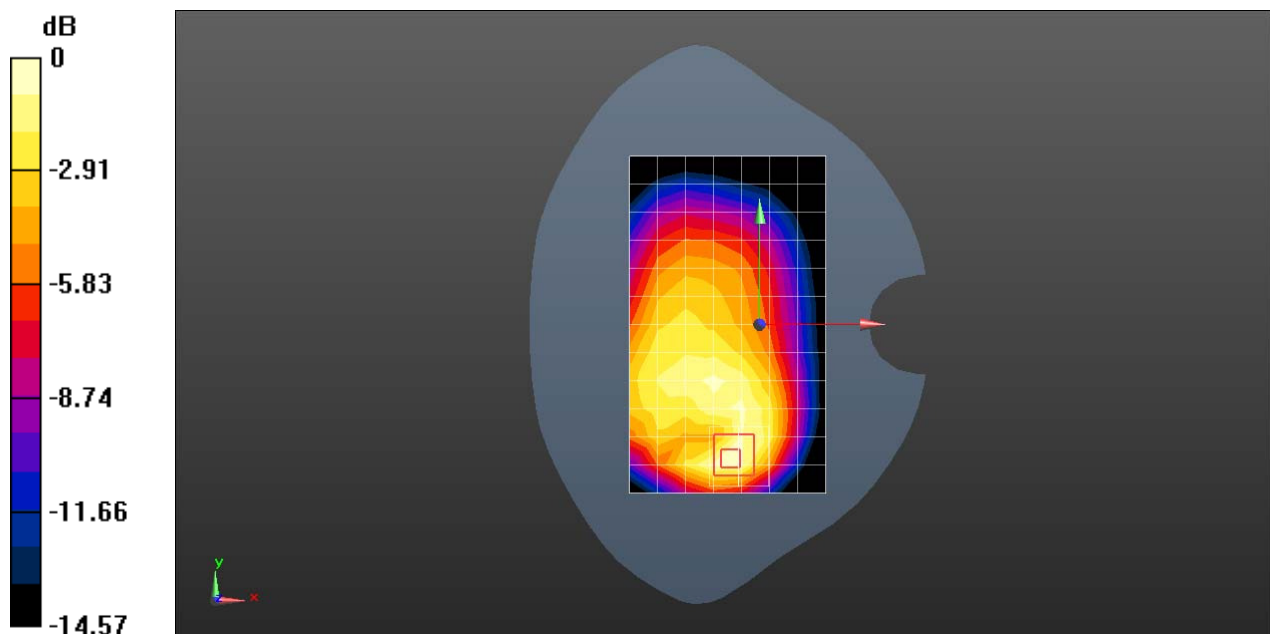
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 14.59 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.655 W/kg

SAR(1 g) = 0.385 W/kg; SAR(10 g) = 0.225 W/kg

Maximum value of SAR (measured) = 0.523 W/kg



0 dB = 0.523 W/kg = -2.81 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 38 20MHz bandwidth QPSK 1RB50 Offset 38150CH Right cheek Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000172

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2610 MHz; Duty Cycle: 1:1.57906

Medium: HSL2600; Medium parameters used: $f = 2610$ MHz; $\sigma = 2.011$ S/m; $\epsilon_r = 39.349$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.7, 6.7, 6.7); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.132 W/kg

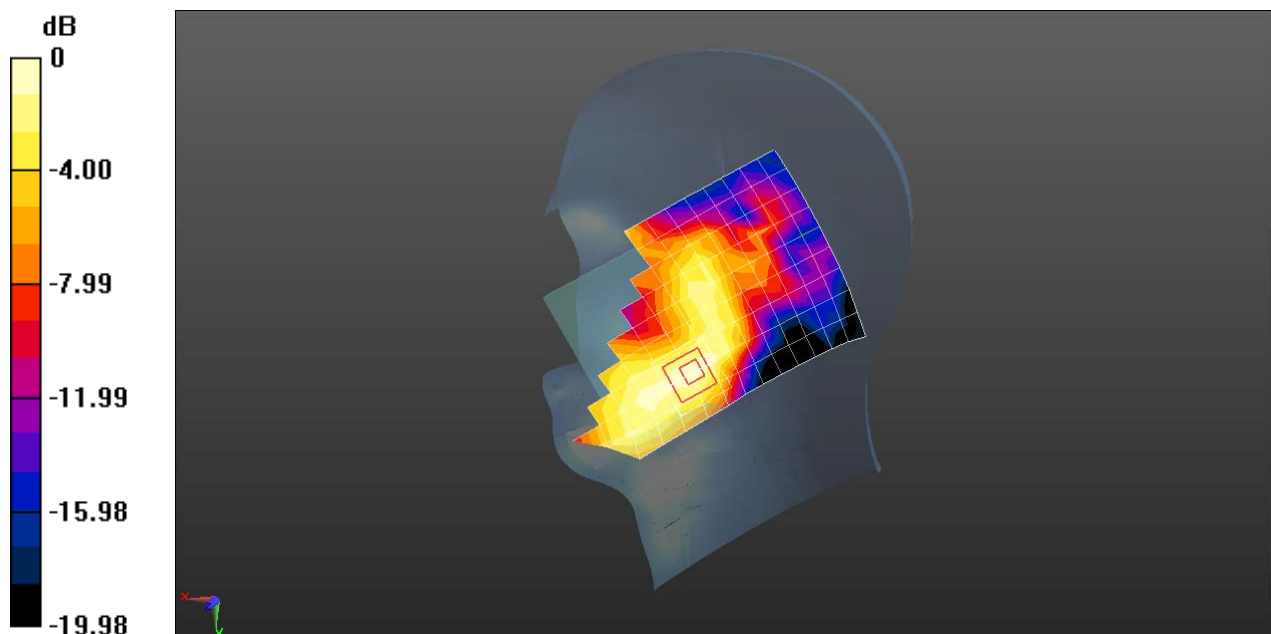
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.271 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.176 W/kg

SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.046 W/kg

Maximum value of SAR (measured) = 0.130 W/kg



0 dB = 0.130 W/kg = -8.86 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 38 20MHz bandwidth QPSK 1RB50 Offset 38150CH Back side 15mm Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000170

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2610 MHz; Duty Cycle: 1:1.57906

Medium: MSL2600; Medium parameters used: $f = 2610$ MHz; $\sigma = 2.128$ S/m; $\epsilon_r = 50.273$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.83, 6.83, 6.83); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.386 W/kg

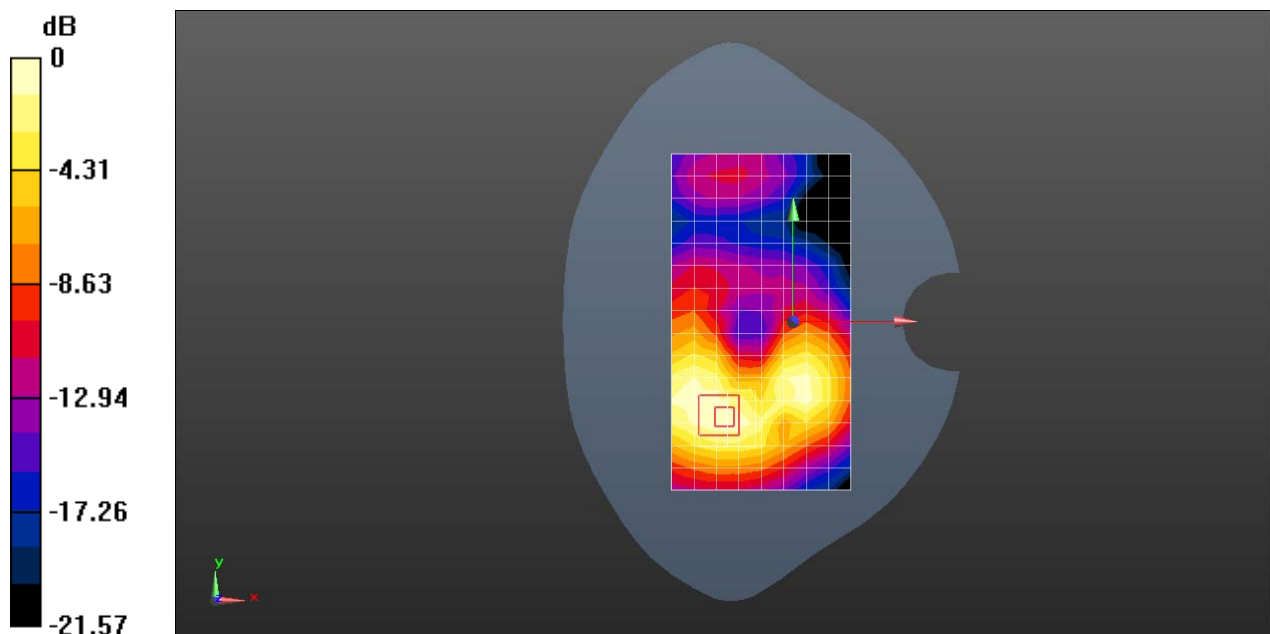
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.349 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.543 W/kg

SAR(1 g) = 0.293 W/kg; SAR(10 g) = 0.159 W/kg

Maximum value of SAR (measured) = 0.416 W/kg



Test Laboratory: SGS-SAR Lab

**EML-L09 LTE Band 38 20MHz bandwidth QPSK 1RB99 Offset 38000CH
Bottom side 10mm with Battery 2 Ant1**

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2595 MHz; Duty Cycle: 1:1.57906

Medium: MSL2600; Medium parameters used: $f = 2595$ MHz; $\sigma = 2.109$ S/m; $\epsilon_r = 50.321$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.83, 6.83, 6.83); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.689 W/kg

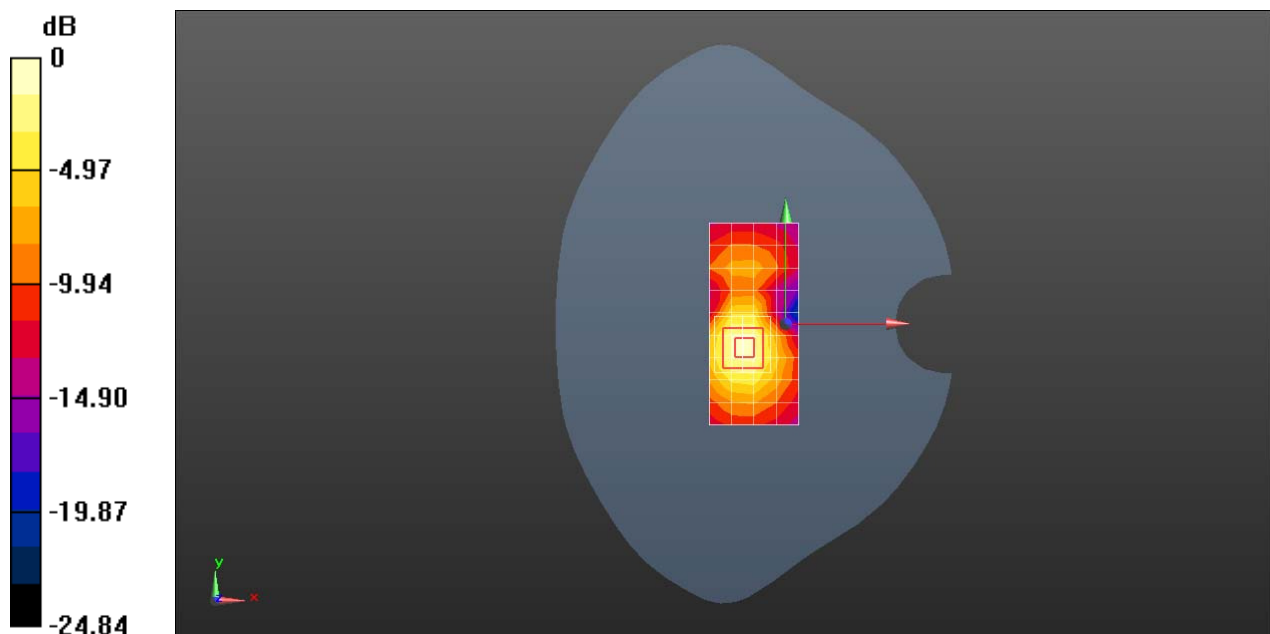
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.02 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.607 W/kg; SAR(10 g) = 0.291 W/kg

Maximum value of SAR (measured) = 0.886 W/kg



0 dB = 0.886 W/kg = -0.53 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 40 20MHz bandwidth QPSK 1RB0 Offset 38750CH Right cheek Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000170

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2310 MHz; Duty Cycle: 1:1.57906

Medium: HSL2300; Medium parameters used: $f = 2310$ MHz; $\sigma = 1.658$ S/m; $\epsilon_r = 40.411$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.12, 7.12, 7.12); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Maximum value of SAR (measured) = 0.164 W/kg

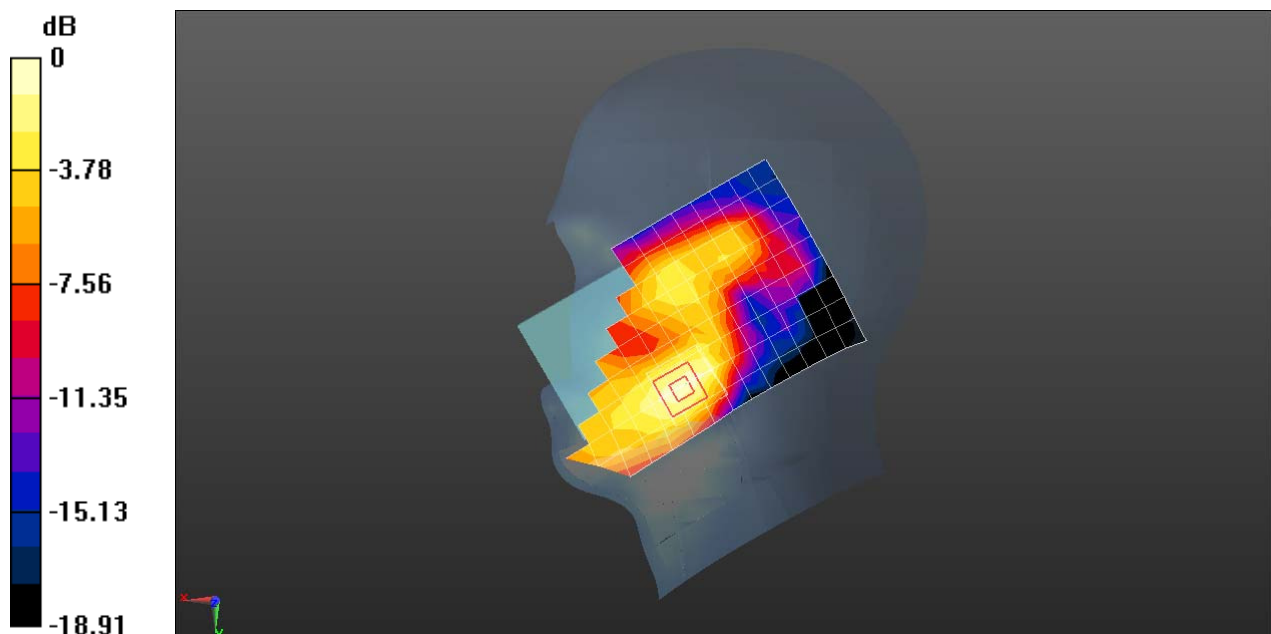
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.055 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.212 W/kg

SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.067 W/kg

Maximum value of SAR (measured) = 0.168 W/kg



Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 40 20MHz bandwidth QPSK 1RB0 Offset 38750CH Back side 15mm Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000172

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2310 MHz; Duty Cycle: 1:1.57906

Medium: MSL2300; Medium parameters used: $f = 2310$ MHz; $\sigma = 1.789$ S/m; $\epsilon_r = 53.104$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.19, 7.19, 7.19); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.641 W/kg

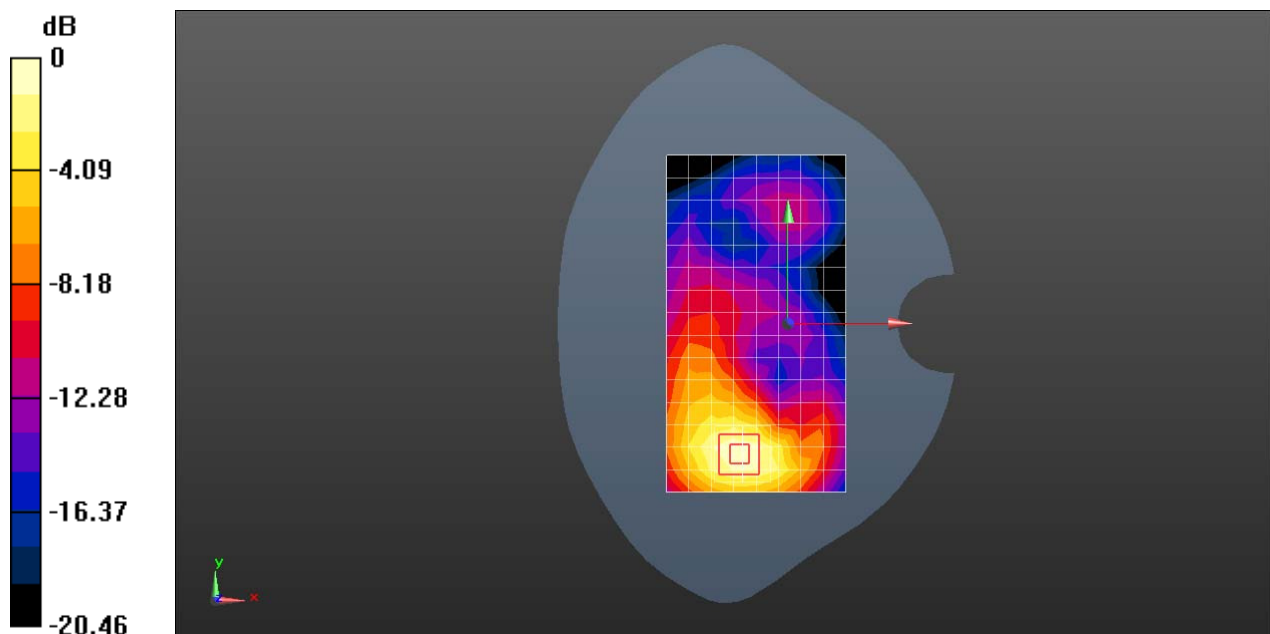
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.552 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.834 W/kg

SAR(1 g) = 0.491 W/kg; SAR(10 g) = 0.276 W/kg

Maximum value of SAR (measured) = 0.668 W/kg



Test Laboratory: SGS-SAR Lab

**EML-L09 LTE Band 40 20MHz bandwidth QPSK 100RB0 Offset 39150CH
Bottom side 10mm Ant1**

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000172

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2350 MHz; Duty Cycle: 1:1.57906

Medium: MSL2300; Medium parameters used: $f = 2350$ MHz; $\sigma = 1.845$ S/m; $\epsilon_r = 53.024$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.19, 7.19, 7.19); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.776 W/kg

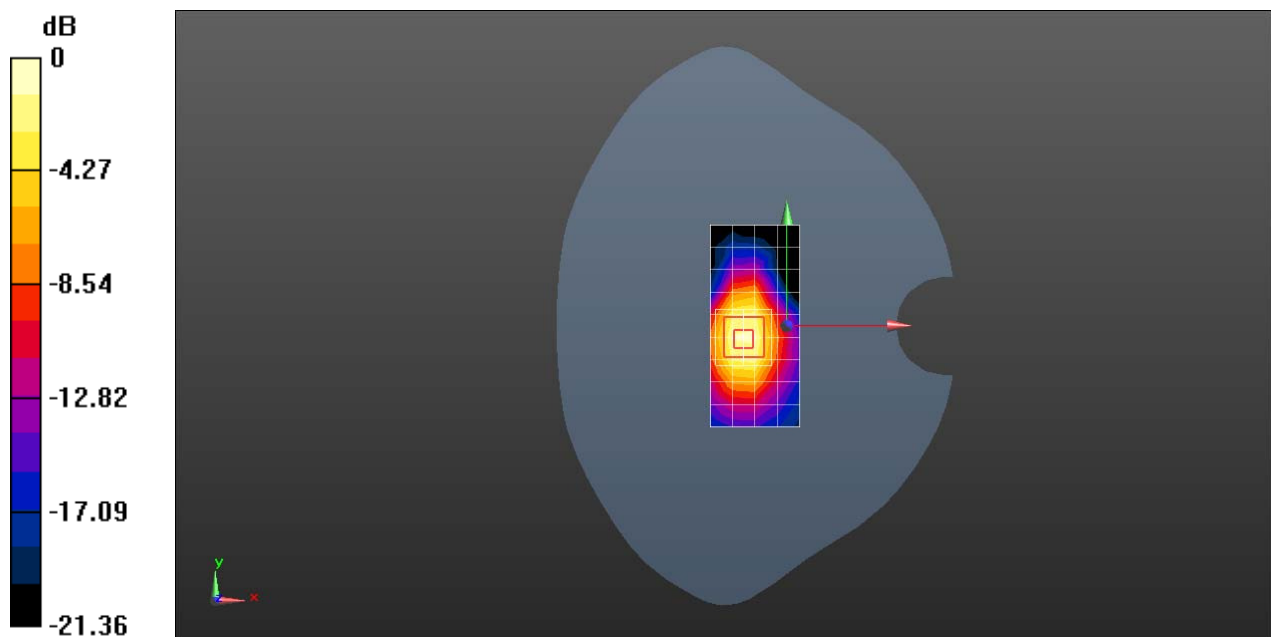
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 17.79 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.338 W/kg

Maximum value of SAR (measured) = 0.981 W/kg



Test Laboratory: SGS-SAR Lab

**EML-L09 LTE Band 40 20MHz bandwidth QPSK 100RB0 Offset 39150CH
Bottom side 10mm Ant1**

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000172

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2350 MHz; Duty Cycle: 1:1.57906

Medium: MSL2300; Medium parameters used: $f = 2350$ MHz; $\sigma = 1.845$ S/m; $\epsilon_r = 53.024$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.19, 7.19, 7.19); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.776 W/kg

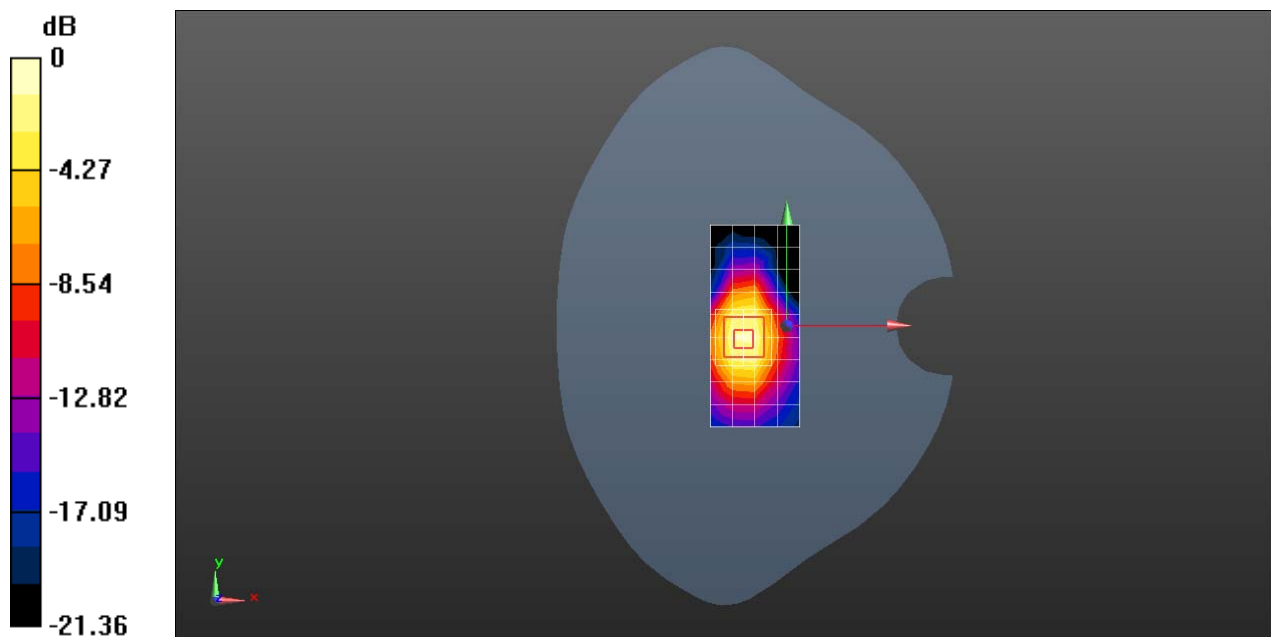
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 17.79 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.338 W/kg

Maximum value of SAR (measured) = 0.981 W/kg



Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 41 20MHz bandwidth QPSK 1RB99 Offset 40690CH Right cheek with Battery 3 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000249

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2600 MHz; Duty Cycle: 1:1.57906

Medium: HSL2600; Medium parameters used: $f = 2600$ MHz; $\sigma = 2$ S/m; $\epsilon_r = 39.388$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.7, 6.7, 6.7); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

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

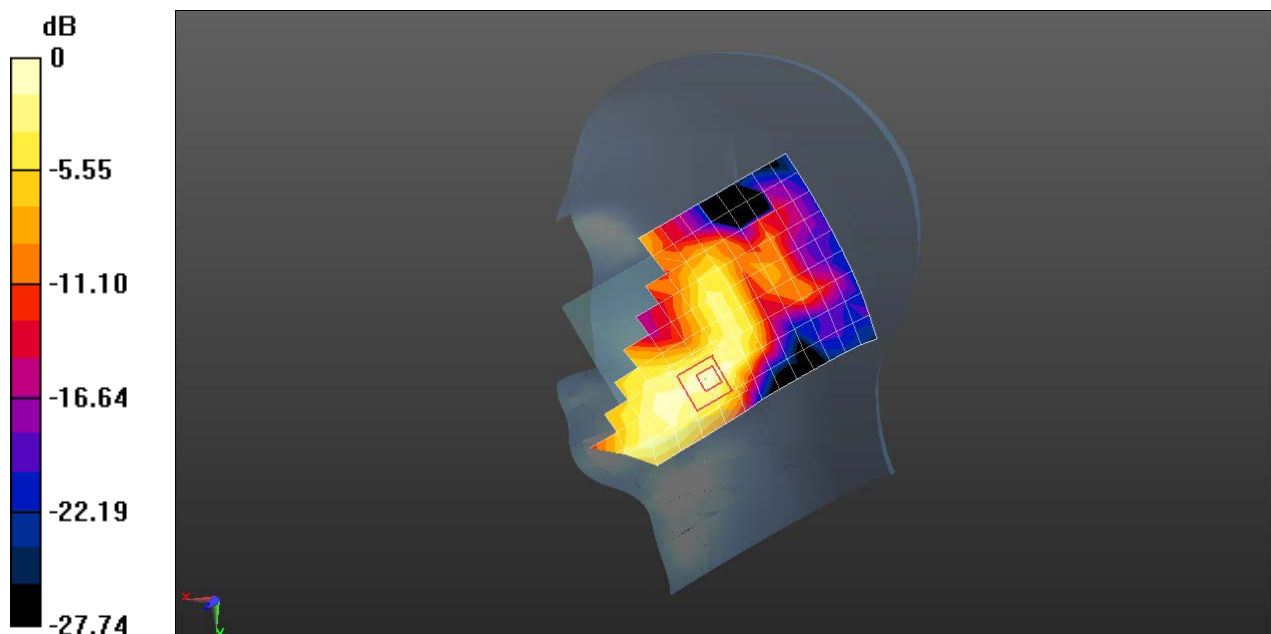
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.182 W/kg

SAR(1 g) = 0.094 W/kg; SAR(10 g) = 0.047 W/kg

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



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

Test Laboratory: SGS-SAR Lab

EML-L09 LTE Band 41 20MHz bandwidth QPSK 1RB99 Offset 41140CH Back side 15mm with Battery 2 Ant1

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2645 MHz; Duty Cycle: 1:1.57906

Medium: MSL2600; Medium parameters used: $f = 2645$ MHz; $\sigma = 2.169$ S/m; $\epsilon_r = 50.151$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.83, 6.83, 6.83); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (9x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.485 W/kg

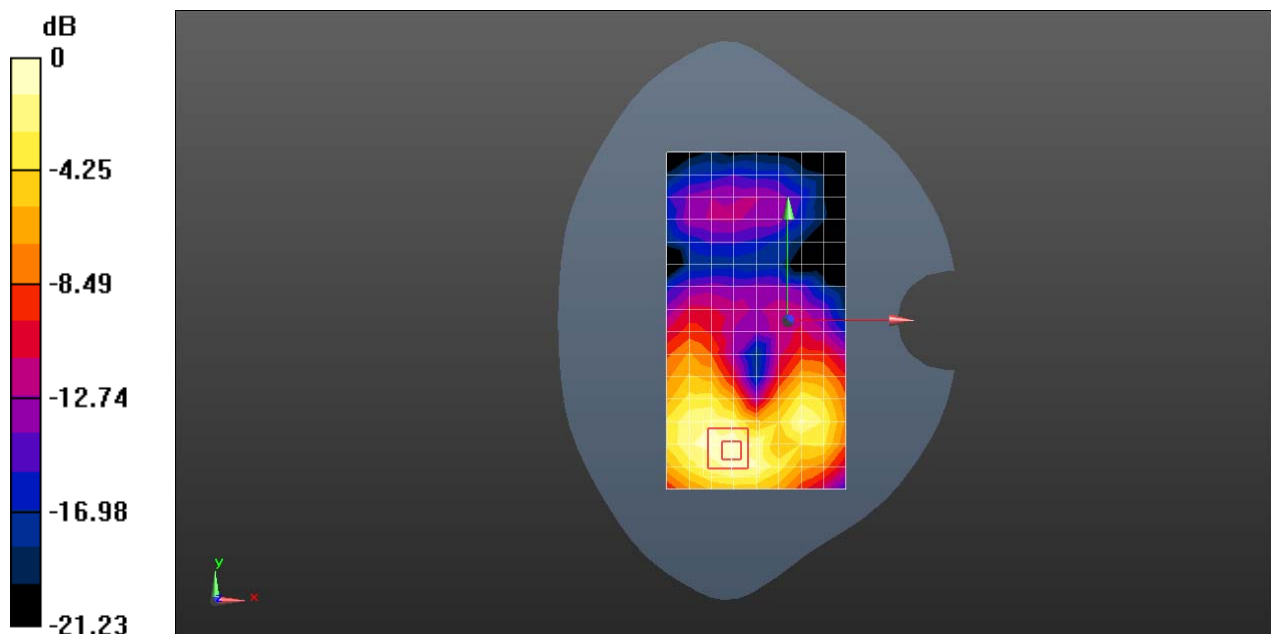
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.946 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.653 W/kg

SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.185 W/kg

Maximum value of SAR (measured) = 0.498 W/kg



0 dB = 0.498 W/kg = -3.03 dBW/kg

Test Laboratory: SGS-SAR Lab

**EML-L09 LTE Band 41 20MHz bandwidth QPSK 50RB50 Offset 41140CH
Bottom side 10mm with Battery 2 Ant1**

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2645 MHz; Duty Cycle: 1:1.57906

Medium: MSL2600; Medium parameters used: $f = 2645$ MHz; $\sigma = 2.169$ S/m; $\epsilon_r = 50.151$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.83, 6.83, 6.83); Calibrated: 2017-1-13;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x9x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.928 W/kg

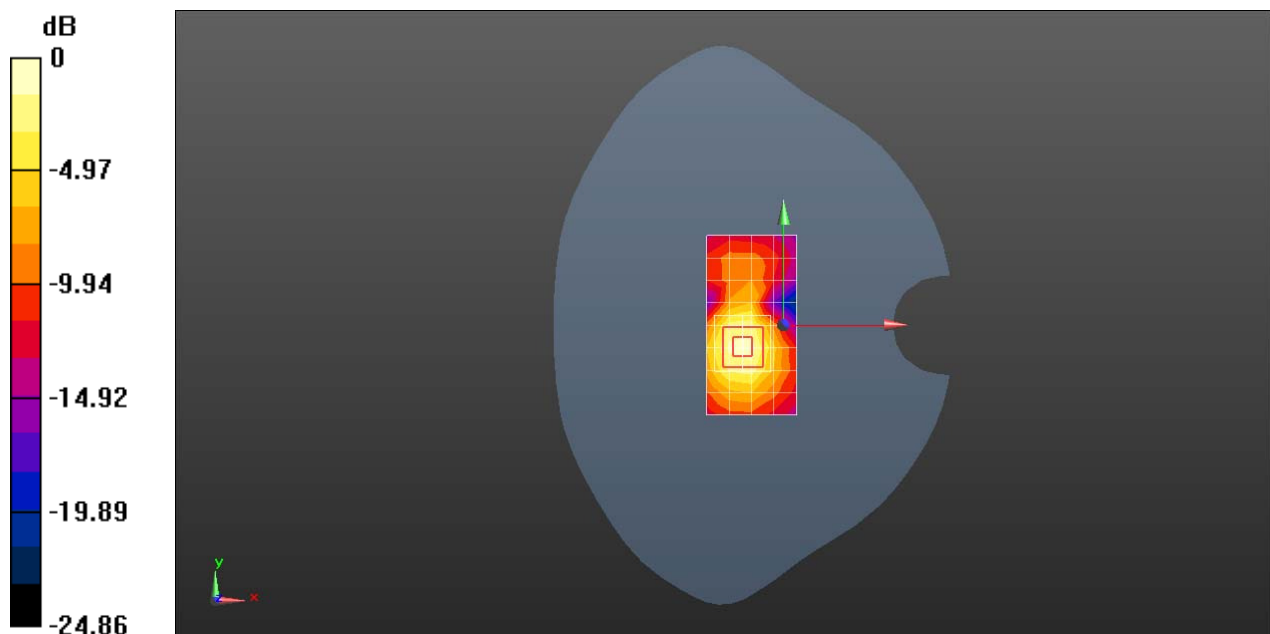
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 14.99 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.744 W/kg; SAR(10 g) = 0.355 W/kg

Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.09 W/kg = 0.37 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 GSM850 128CH Left cheek Ant2

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000179

Communication System: UID 0, GSM Only Communication System (0); Frequency: 824.2 MHz; Duty Cycle: 1:8.30042

Medium: HSL835; Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 40.905$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7433; ConvF(9.77, 9.77, 9.77); Calibrated: 2017-9-30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn896; Calibrated: 2017-9-27
- Phantom: SAM 1; Type: SAM V4.0; Serial: TP-1283
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.899 W/kg

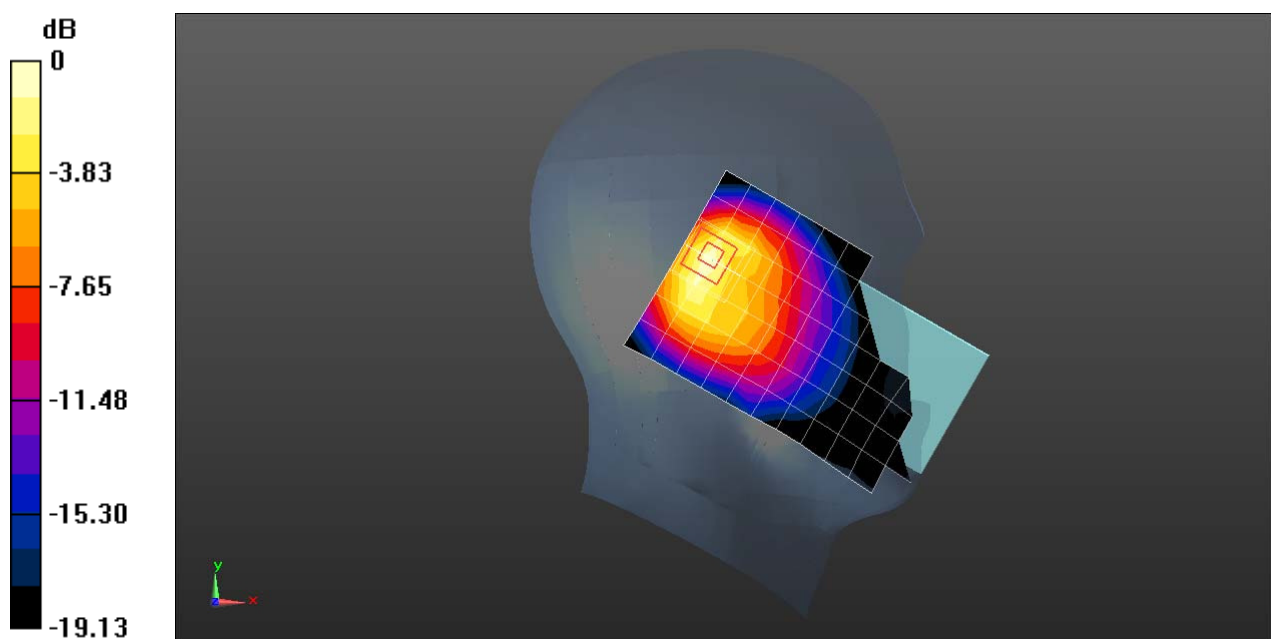
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 17.07 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.545 W/kg; SAR(10 g) = 0.259 W/kg

Maximum value of SAR (measured) = 0.884 W/kg



Test Laboratory: SGS-SAR Lab

EML-L09 GSM850 GPRS 2TS 190CH Front side 15mm Ant2

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000176

Communication System: UID 0, GPRS/EGPRS Mode(2up) Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.14954

Medium: MSL835; Medium parameters used: $f = 837$ MHz; $\sigma = 0.991$ S/m; $\epsilon_r = 56.345$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.98, 9.98, 9.98); Calibrated: 2018-1-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- 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) = 0.422 W/kg

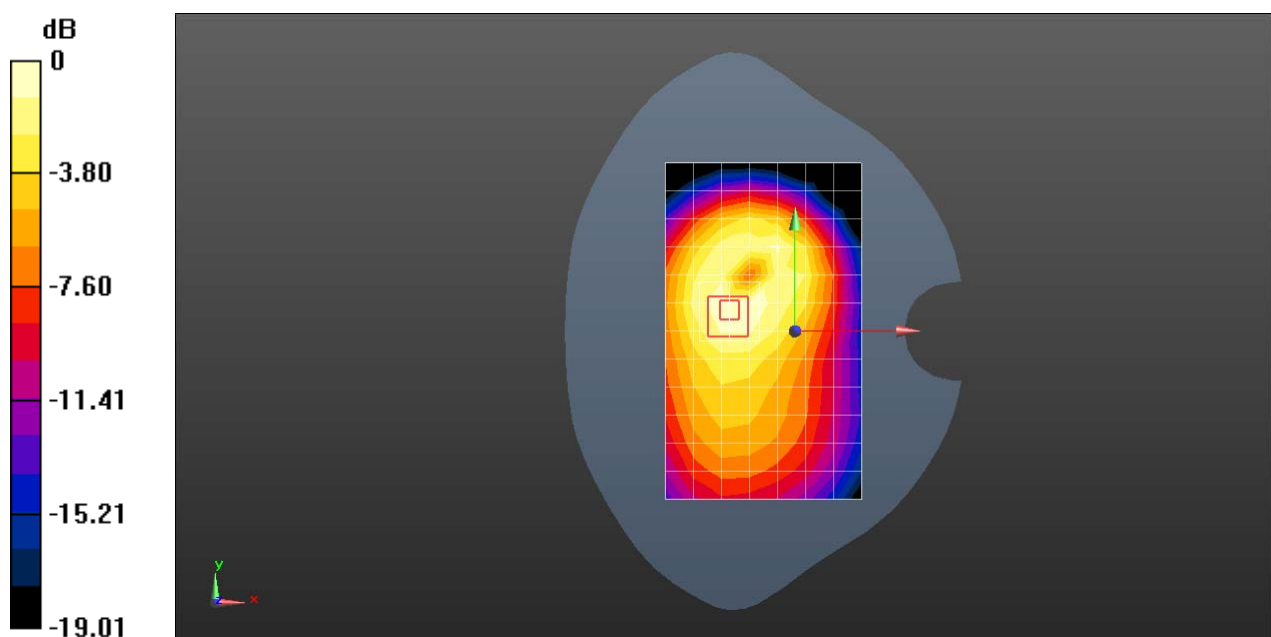
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 16.29 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.509 W/kg

SAR(1 g) = 0.357 W/kg; SAR(10 g) = 0.240 W/kg

Maximum value of SAR (measured) = 0.434 W/kg



0 dB = 0.434 W/kg = -3.63 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 GSM850 GPRS 2TS 251CH Back side 10mm Hotspot actived for 2.4G with Battery 2 Ant2

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, GPRS/EGPRS Mode(2up) Communication System (0); Frequency: 848.8 MHz; Duty Cycle: 1:4.14954

Medium: MSL835; Medium parameters used: $f = 849$ MHz; $\sigma = 1.003$ S/m; $\epsilon_r = 56.204$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(9.98, 9.98, 9.98); Calibrated: 2018-1-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- 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) = 0.383 W/kg

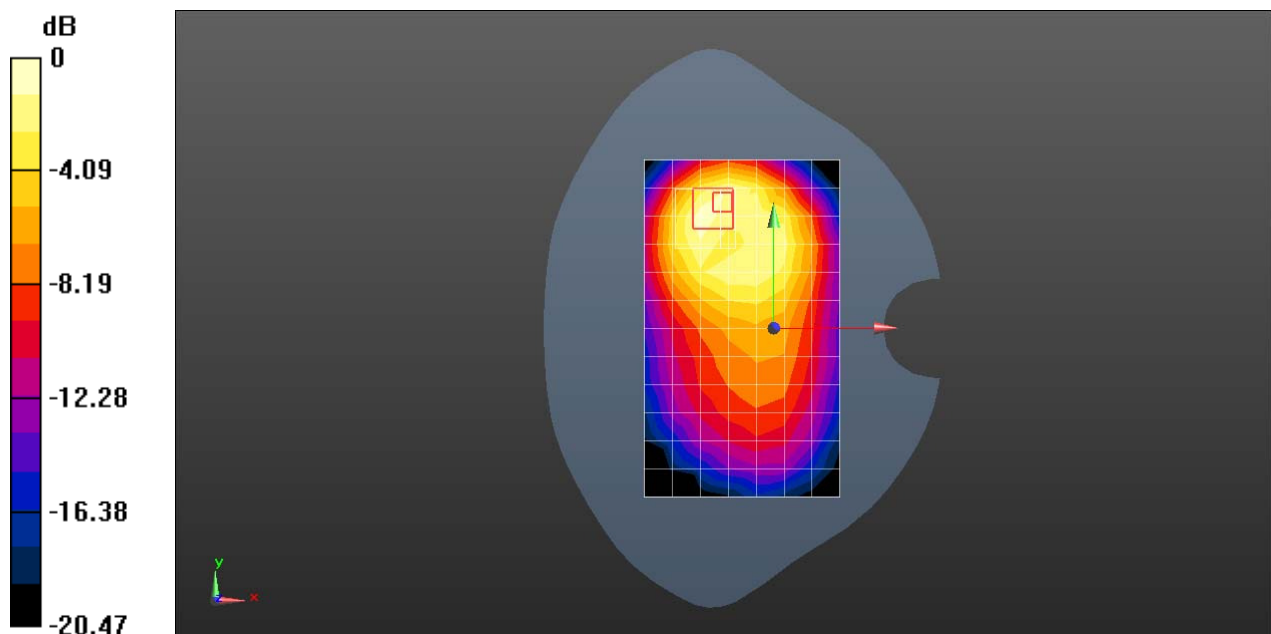
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.08 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.549 W/kg

SAR(1 g) = 0.312 W/kg; SAR(10 g) = 0.169 W/kg

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



0 dB = 0.431 W/kg = -3.66 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 GSM1900 810CH Right cheek with Battery 2 Ant2

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, GSM Only Communication System (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8.30042

Medium: HSL1900; Medium parameters used: $f = 1910$ MHz; $\sigma = 1.371$ S/m; $\epsilon_r = 39.991$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.26, 8.26, 8.26); Calibrated: 2018-1-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.863 W/kg

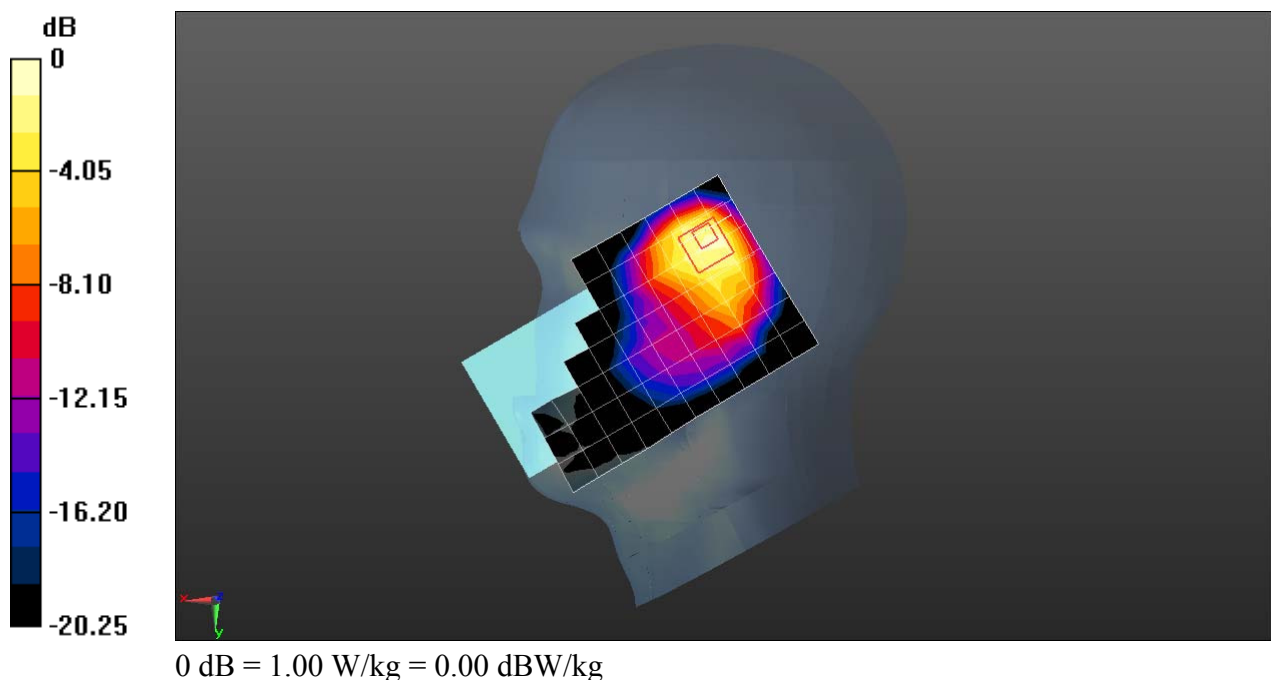
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 17.44 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.660 W/kg; SAR(10 g) = 0.335 W/kg

Maximum value of SAR (measured) = 1.00 W/kg



Test Laboratory: SGS-SAR Lab

EML-L09 GSM1900 GPRS 2TS 810CH Back side 15mm with Battery 2 Ant2

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, GPRS/EGPRS Mode(2up) Communication System (0); Frequency: 1909.8 MHz; Duty Cycle: 1:4.14954

Medium: MSL1900; Medium parameters used: $f = 1910$ MHz; $\sigma = 1.532$ S/m; $\epsilon_r = 53.865$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.09, 8.09, 8.09); Calibrated: 2018-1-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- 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) = 0.357 W/kg

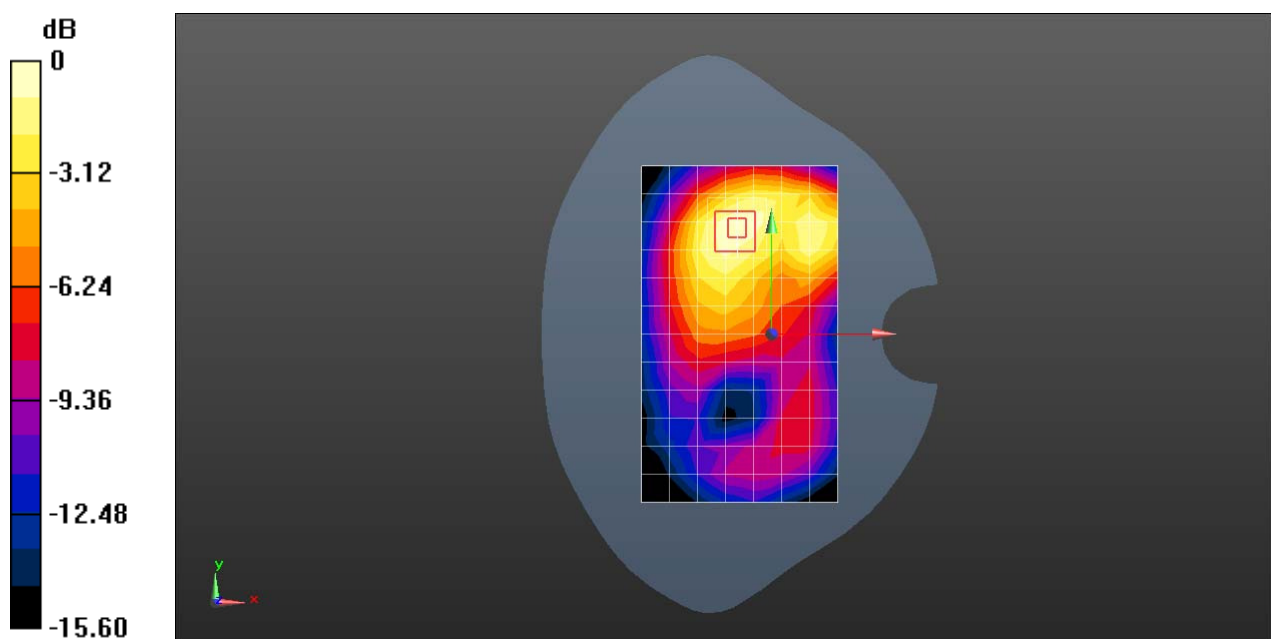
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.605 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.437 W/kg

SAR(1 g) = 0.291 W/kg; SAR(10 g) = 0.186 W/kg

Maximum value of SAR (measured) = 0.370 W/kg



0 dB = 0.370 W/kg = -4.32 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 GSM1900 GPRS 2TS 810CH Top side 10mm Hotspot actived for 2.4G with Battery 2 Ant2

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, GPRS/EGPRS Mode(2up) Communication System (0); Frequency: 1909.8 MHz; Duty Cycle: 1:4.14954

Medium: MSL1900; Medium parameters used: $f = 1910$ MHz; $\sigma = 1.532$ S/m; $\epsilon_r = 53.865$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.09, 8.09, 8.09); Calibrated: 2018-1-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.341 W/kg

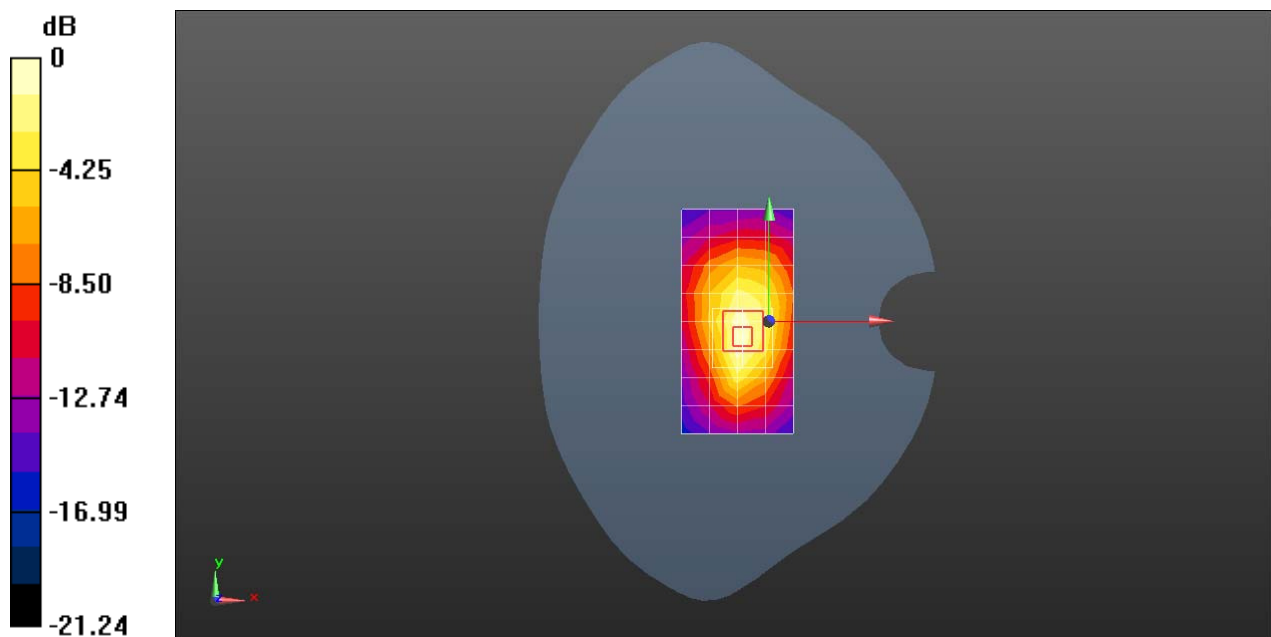
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 13.48 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.459 W/kg

SAR(1 g) = 0.285 W/kg; SAR(10 g) = 0.163 W/kg

Maximum value of SAR (measured) = 0.384 W/kg



0 dB = 0.384 W/kg = -4.16 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 WCDMA Band II RMC 9538CH Right cheek with Battery 2 Ant2

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, WCDMA (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1908$ MHz; $\sigma = 1.369$ S/m; $\epsilon_r = 40.001$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.26, 8.26, 8.26); Calibrated: 2018-1-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.728 W/kg

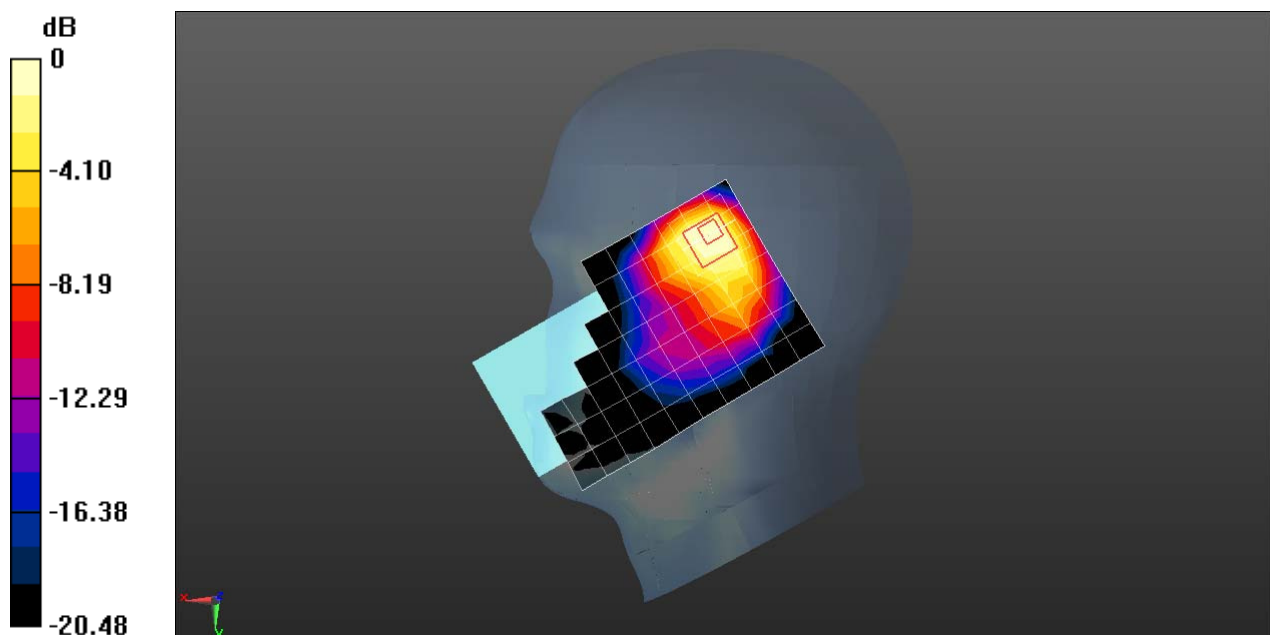
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 14.78 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.532 W/kg; SAR(10 g) = 0.274 W/kg

Maximum value of SAR (measured) = 0.762 W/kg



0 dB = 0.762 W/kg = -1.18 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 WCDMA Band IV RMC 1513CH Back side 15mm with Battery 2 Ant2

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, WCDMA (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL1750; Medium parameters used: $f = 1753$ MHz; $\sigma = 1.496$ S/m; $\epsilon_r = 52.197$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.49, 8.49, 8.49); Calibrated: 2018-1-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM1; Type: SAM; Serial: 1912
- 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) = 0.184 W/kg

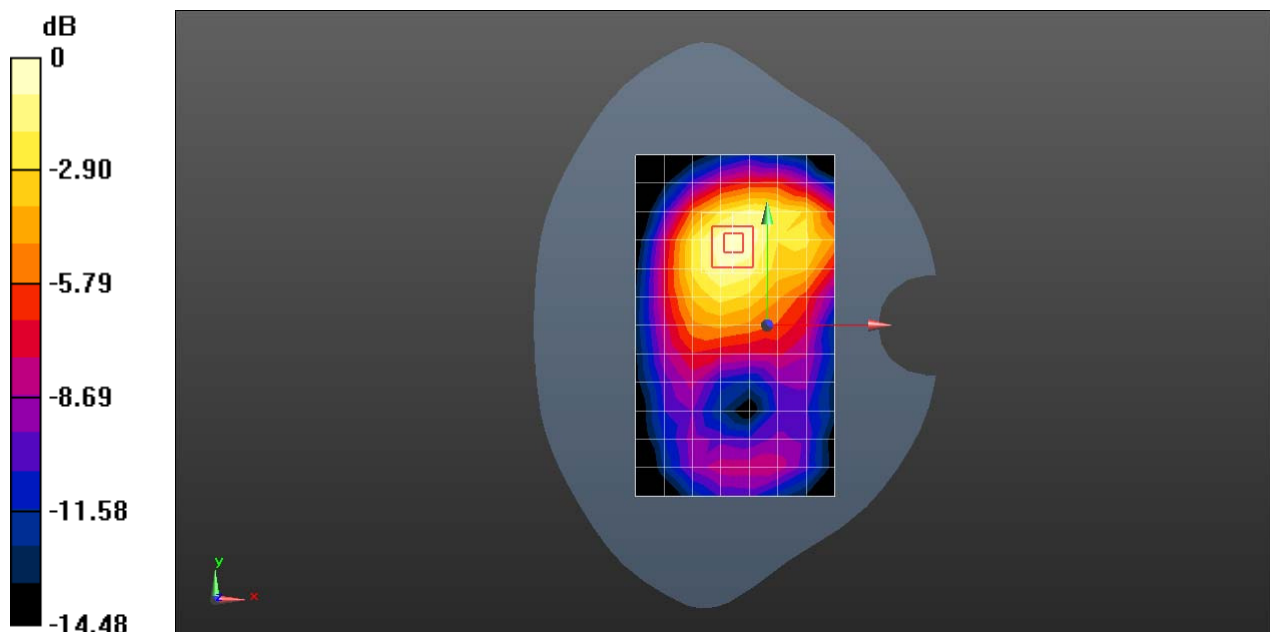
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.398 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.229 W/kg

SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.101 W/kg

Maximum value of SAR (measured) = 0.195 W/kg



0 dB = 0.195 W/kg = -7.10 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 WCDMA Band II RMC 9538CH Top side 10mm Hotspot actived for 2.4G with Battery 2 Ant2

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000264

Communication System: UID 0, WCDMA (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL1900; Medium parameters used: $f = 1908$ MHz; $\sigma = 1.53$ S/m; $\epsilon_r = 53.876$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.09, 8.09, 8.09); Calibrated: 2018-1-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (5x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.322 W/kg

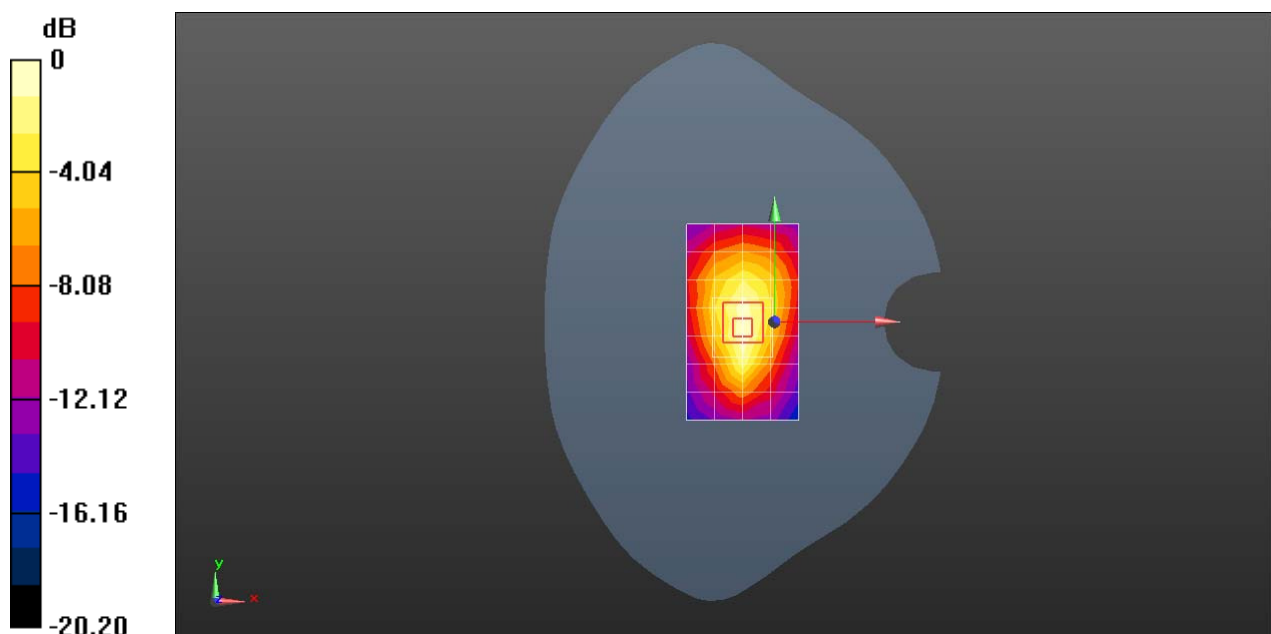
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 13.31 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.386 W/kg

SAR(1 g) = 0.239 W/kg; SAR(10 g) = 0.136 W/kg

Maximum value of SAR (measured) = 0.323 W/kg



0 dB = 0.323 W/kg = -4.91 dBW/kg

Test Laboratory: SGS-SAR Lab

EML-L09 WCDMA Band IV RMC 1513CH Right cheek Ant2

DUT: EML-L09; Type: Smart Phone; Serial: AEJ0117C11000179

Communication System: UID 0, WCDMA (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used: $f = 1753$ MHz; $\sigma = 1.322$ S/m; $\epsilon_r = 40.405$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(8.54, 8.54, 8.54); Calibrated: 2018-1-11;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn1374; Calibrated: 2017-8-31
- Phantom: SAM2; Type: SAM; Serial: 1913
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Head/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.648 W/kg

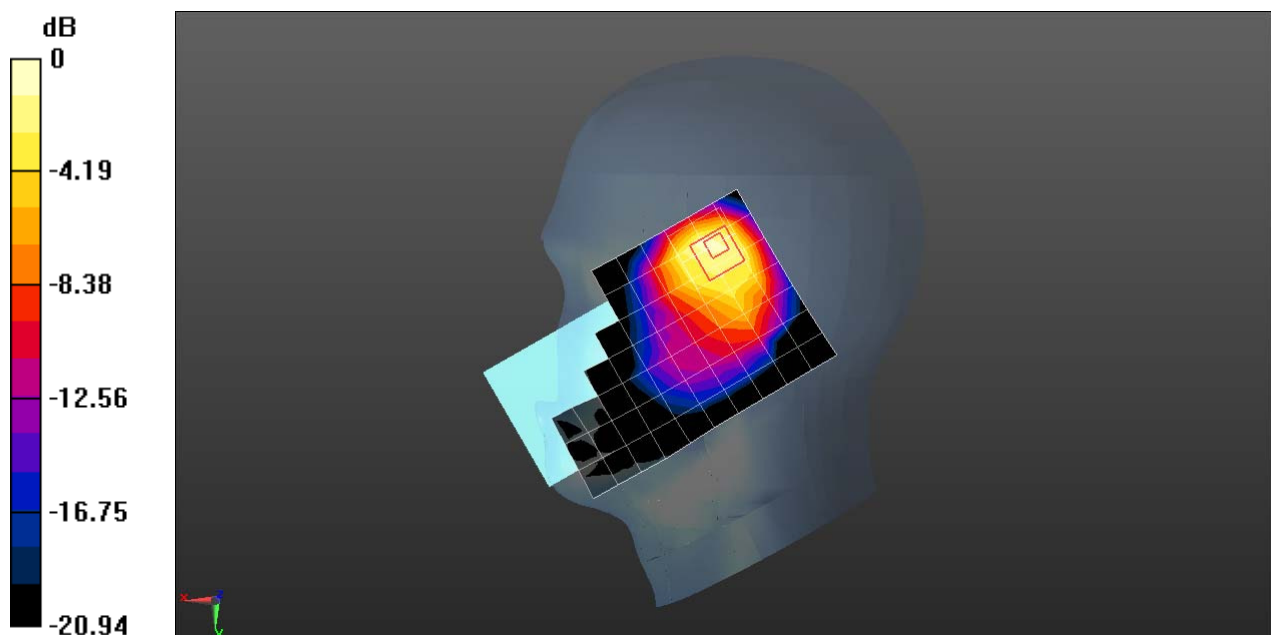
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 12.32 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.465 W/kg; SAR(10 g) = 0.232 W/kg

Maximum value of SAR (measured) = 0.728 W/kg



0 dB = 0.728 W/kg = -1.38 dBW/kg