

Appendix B

Detailed Test Results

1. GSM
GSM850 for Head & Body
GSM1900 for Head & Body
2. CDMA
CDMA BC0
3. WCDMA
WCDMA Band II for Head & Body
WCDMA Band IV for Head & Body
WCDMA Band V for Head & Body
4. LTE
LTE Band 2 for Head & Body
LTE Band 4 for Head & Body
LTE Band 5 for Head & Body
LTE Band 7 for Head & Body
LTE Band 38 for Head & Body
LTE Band 41 for Head &Body
5. WIFI
WIFI 2.4G for Head & Body
WIFI 5G for Head & Body
6. BT
BT for Head

Test Laboratory: SGS-SAR Lab

vivo 1938 GSM1900 GSM 661CH Left cheek Ant1

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

Communication System: UID 0, GSM Only Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 39.954$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.48, 8.48, 8.48); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Head/Area Scan (8x13x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.0691 W/kg

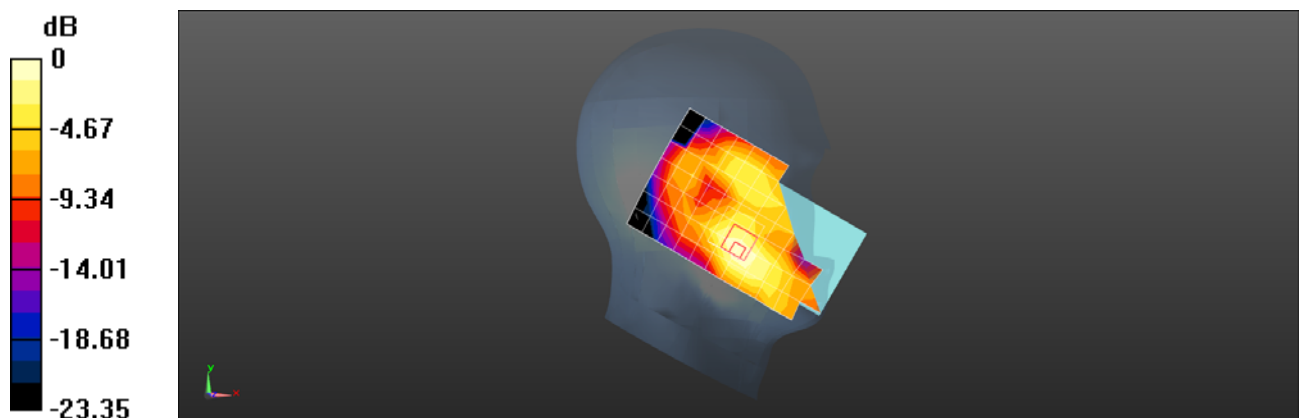
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.993 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.0910 W/kg

SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.029 W/kg

Maximum value of SAR (measured) = 0.0769 W/kg



0 dB = 0.0769 W/kg = -11.14 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 GSM1900 GSM 661CH Back side 15mmAnt1

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

Communication System: UID 0, GSM Only Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 39.954$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.48, 8.48, 8.48); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.299 W/kg

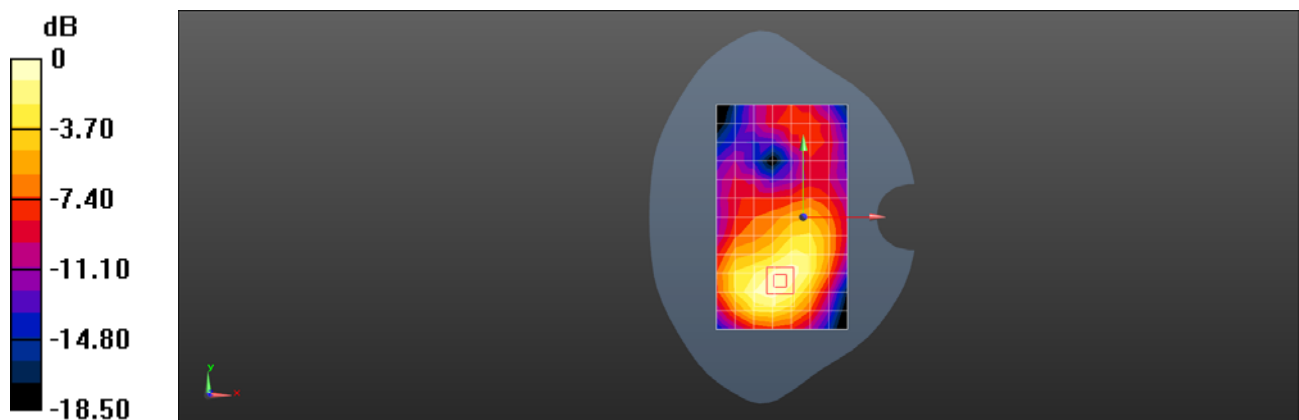
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.577 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.378 W/kg

SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.137 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

vivo 1938 GSM1900 GPRS 4TS 661CH Back side 10mm Ant1

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

Communication System: UID 0, GPRS/EGPRS Mode(4up) Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 39.954$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.48, 8.48, 8.48); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.16 W/kg

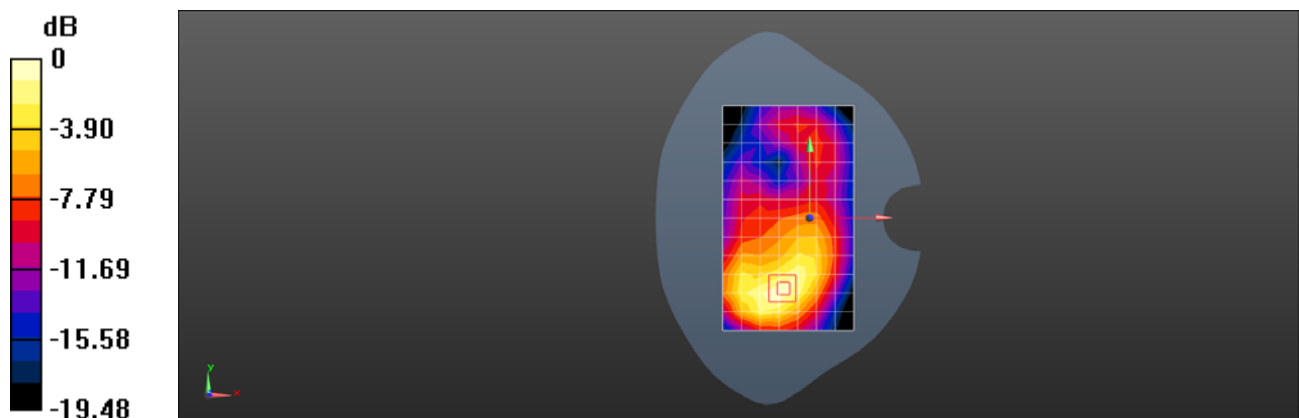
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.56 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.799 W/kg; SAR(10 g) = 0.447 W/kg

Maximum value of SAR (measured) = 1.14 W/kg



0 dB = 1.14 W/kg = 0.57 dBW/kg

Test Laboratory: SGS-SAR Lab

VIVO 1938 GSM 850 GSM 190CH Left cheek Ant1

DUT: VIVO 1938; Type: mobile phone; Serial: 867565049997954

Communication System: UID 0, GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: HSL835; Medium parameters used: $f = 837$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 43.114$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.76, 8.76, 8.76); Calibrated: 2019-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

Maximum value of SAR (measured) = 0.0707 W/kg

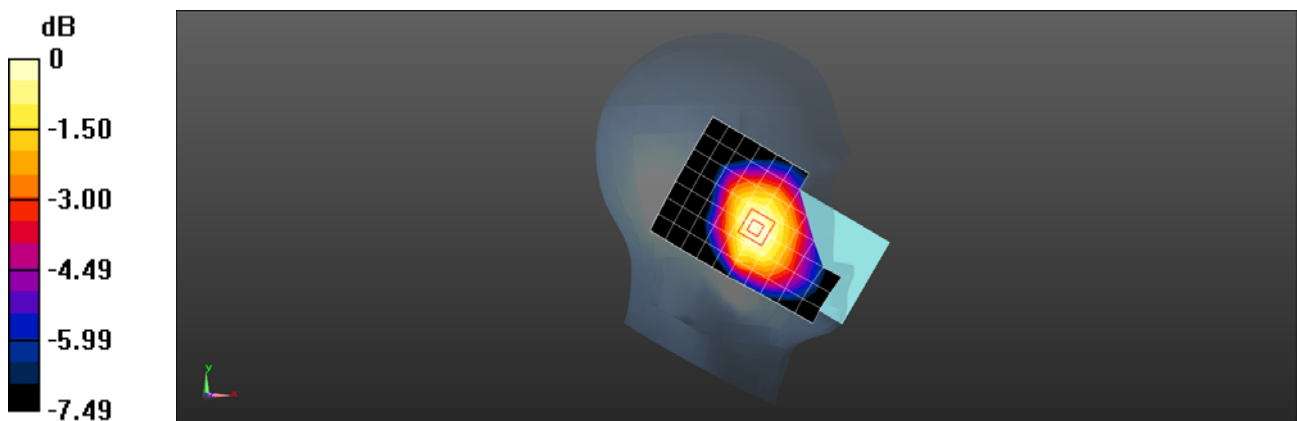
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.934 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.0760 W/kg

SAR(1 g) = 0.063 W/kg; SAR(10 g) = 0.050 W/kg

Maximum value of SAR (measured) = 0.0704 W/kg



0 dB = 0.0704 W/kg = -11.52 dBW/kg

Test Laboratory: SGS-SAR Lab

VIVO 1938 GSM 850 GSM 190CH Back side 15mm Ant1

DUT: VIVO 1938; Type: mobile phone; Serial: 867565049997954

Communication System: UID 0, GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: HSL835; Medium parameters used: $f = 837$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 43.114$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.76, 8.76, 8.76); Calibrated: 2019-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

Maximum value of SAR (measured) = 0.0794 W/kg

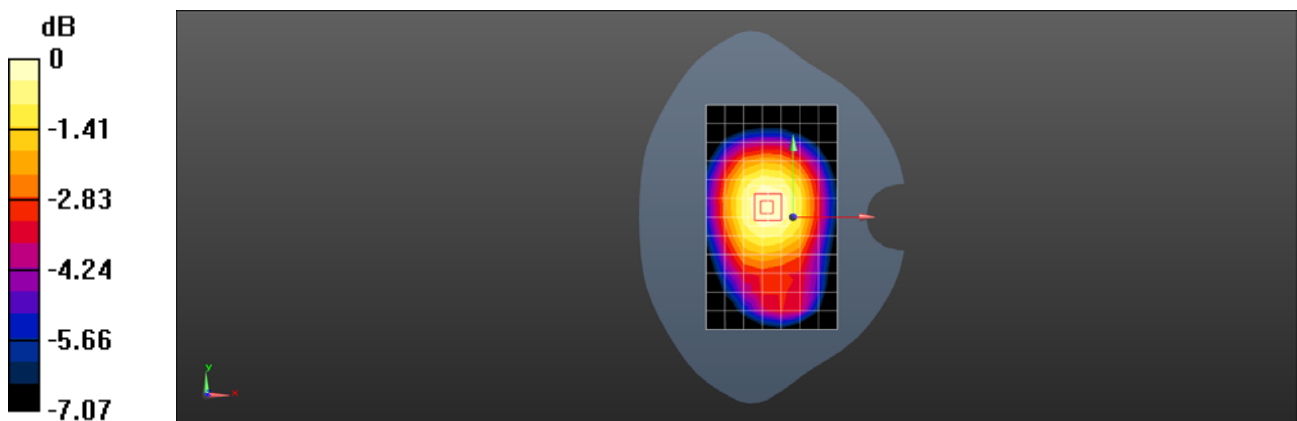
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.042 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.0870 W/kg

SAR(1 g) = 0.070 W/kg; SAR(10 g) = 0.055 W/kg

Maximum value of SAR (measured) = 0.0796 W/kg



Test Laboratory: SGS-SAR Lab

VIVO 1938 GSM 850 GPRS 4TS 190CH Back side 10mm Ant1

DUT: VIVO 1938; Type: mobile phone; Serial: 867565049997954

Communication System: UID 0, GSM 850 4TS; Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium: HSL835; Medium parameters used: $f = 837$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 43.114$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.76, 8.76, 8.76); Calibrated: 2019-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

Maximum value of SAR (measured) = 0.249 W/kg

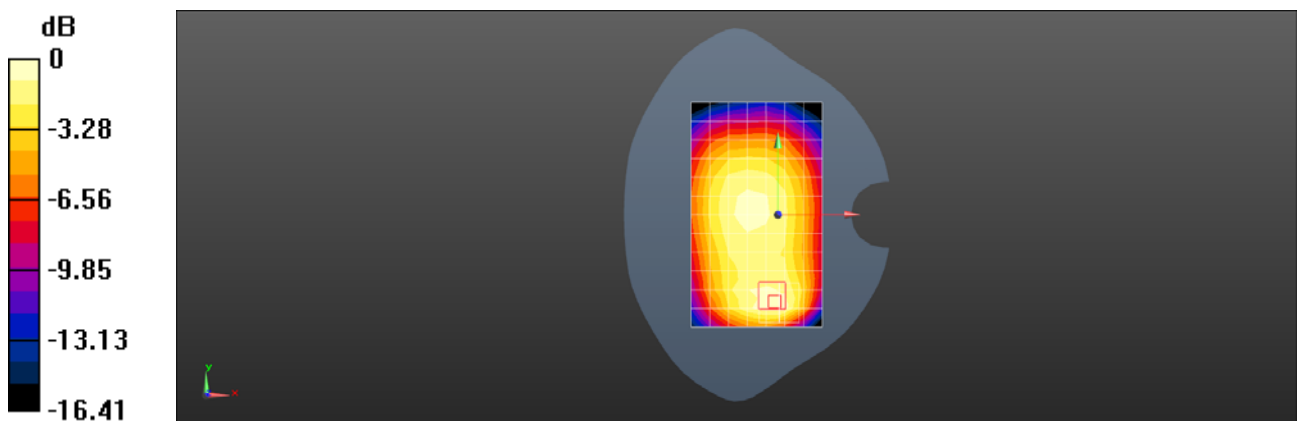
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.41 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.355 W/kg

SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.127 W/kg

Maximum value of SAR (measured) = 0.275 W/kg



0 dB = 0.275 W/kg = -5.61 dBW/kg

Test Laboratory: SGS-SAR Lab

VIVO 1938 GSM 850 GSM 128CH Right cheek Ant2

DUT: VIVO 1938; Type: mobile phone; Serial: 867565049997954

Communication System: UID 0, GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: HSL835; Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.881$ S/m; $\epsilon_r = 43.198$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.76, 8.76, 8.76); Calibrated: 2019-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Head/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.57 W/kg

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

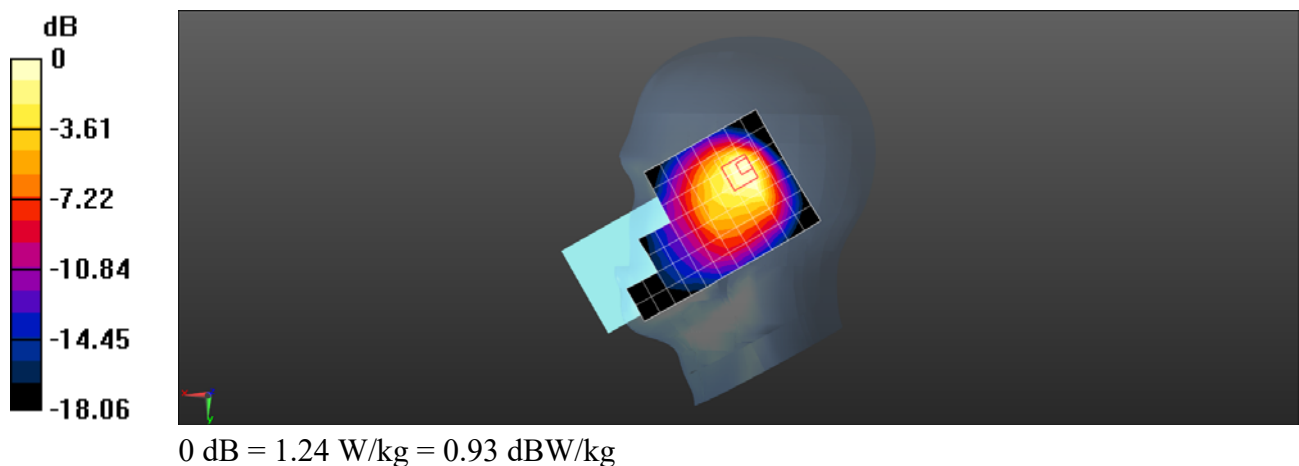
Reference Value = 27.73 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.13 W/kg

SAR(1 g) = 0.917 W/kg; SAR(10 g) = 0.525 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.24 W/kg



Test Laboratory: SGS-SAR Lab

VIVO 1938 GSM 850 GSM 190CH Back side 15mm Ant2

DUT: VIVO 1938; Type: mobile phone; Serial: 867565049997954

Communication System: UID 0, GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: HSL835; Medium parameters used: $f = 837$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 43.114$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.76, 8.76, 8.76); Calibrated: 2019-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

Maximum value of SAR (measured) = 0.160 W/kg

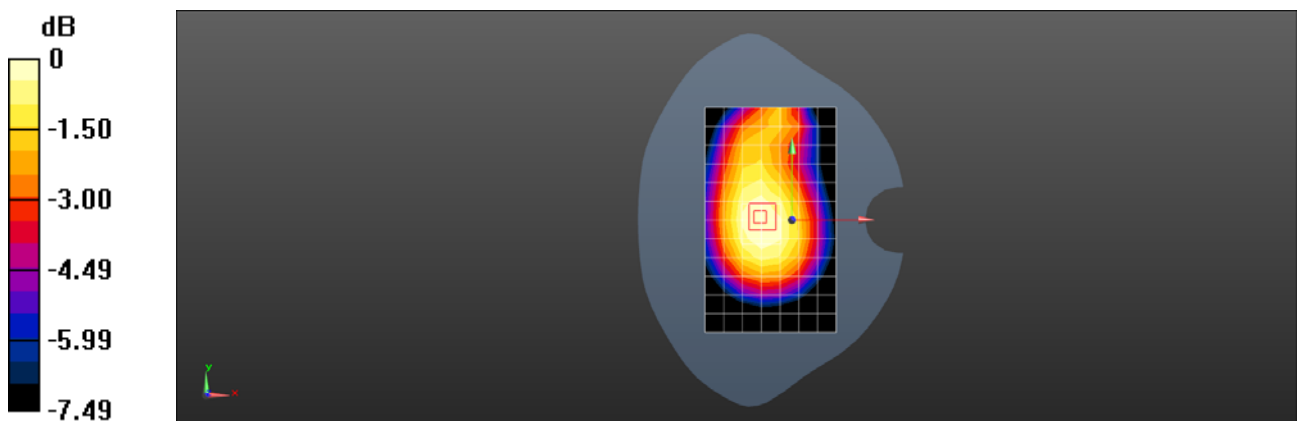
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.73 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.175 W/kg

SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.107 W/kg

Maximum value of SAR (measured) = 0.159 W/kg



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

Test Laboratory: SGS-SAR Lab

VIVO 1938 GSM 850 GPRS 4TS 190CH Back side 10mm Ant2

DUT: VIVO 1938; Type: mobile phone; Serial: 867565049997954

Communication System: UID 0, GSM 850 4TS; Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium: HSL835; Medium parameters used: $f = 837$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 43.114$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.76, 8.76, 8.76); Calibrated: 2019-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

Maximum value of SAR (measured) = 0.453 W/kg

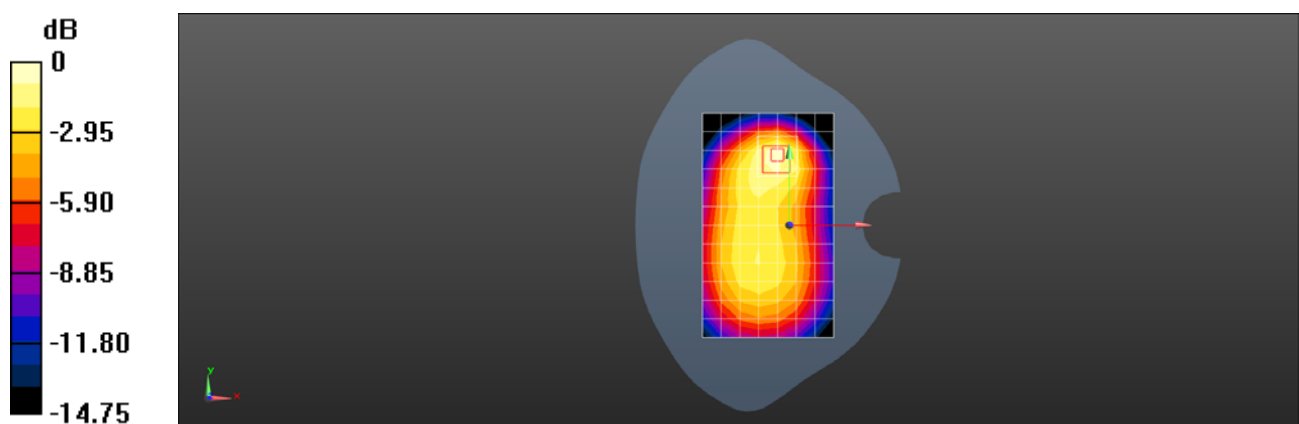
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.37 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.566 W/kg

SAR(1 g) = 0.336 W/kg; SAR(10 g) = 0.206 W/kg

Maximum value of SAR (measured) = 0.454 W/kg



Test Laboratory: SGS-SAR Lab

vivo 1938 WCDMA Band II 9400CH Left cheek Ant1

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 39.954$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.48, 8.48, 8.48); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

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

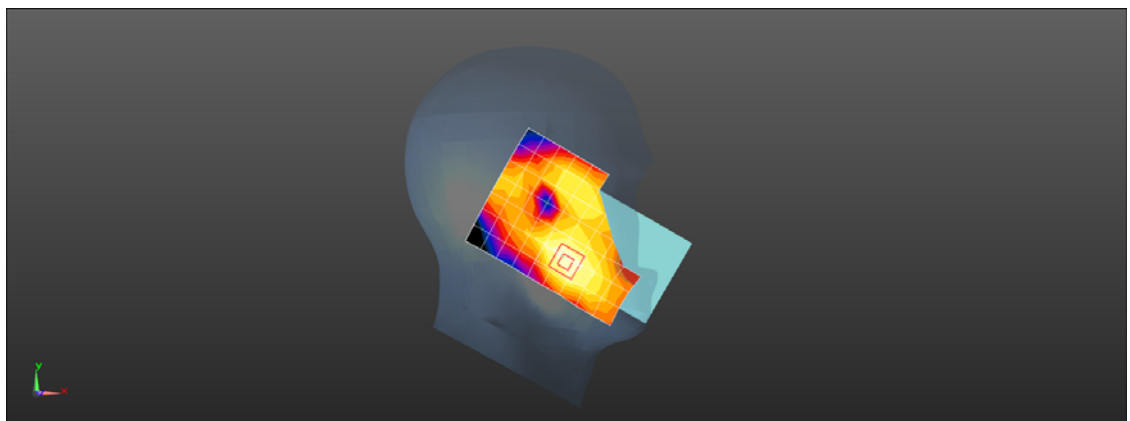
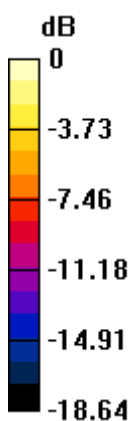
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.820 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.182 W/kg

SAR(1 g) = 0.111 W/kg; SAR(10 g) = 0.067 W/kg

Maximum value of SAR (measured) = 0.149 W/kg



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

Test Laboratory: SGS-SAR Lab

vivo 1938 WCDMA Band II 9400CH Back side 15mm Ant1

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 39.954$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.48, 8.48, 8.48); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

Maximum value of SAR (measured) = 0.615 W/kg

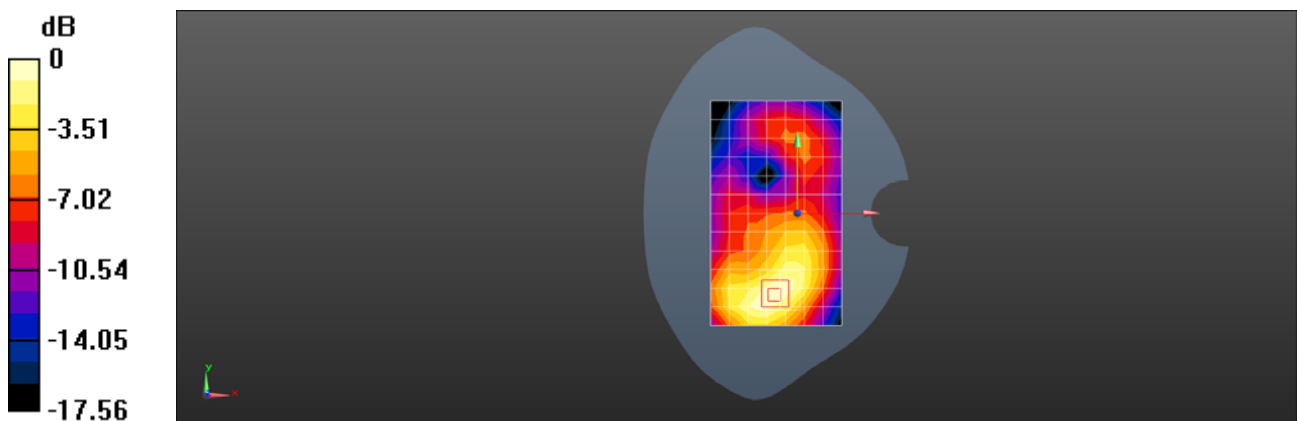
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.393 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.767 W/kg

SAR(1 g) = 0.470 W/kg; SAR(10 g) = 0.276 W/kg

Maximum value of SAR (measured) = 0.654 W/kg



0 dB = 0.654 W/kg = -1.84 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 WCDMA Band II 9400CH Back side 10mm Ant1

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 39.954$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.48, 8.48, 8.48); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

Maximum value of SAR (measured) = 1.11 W/kg

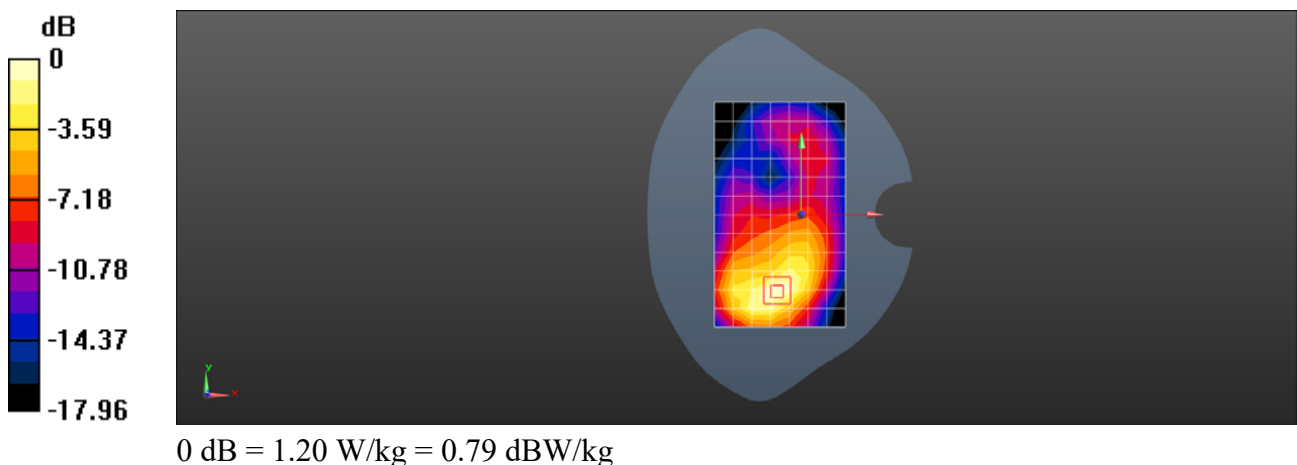
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.01 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.843 W/kg; SAR(10 g) = 0.479 W/kg

Maximum value of SAR (measured) = 1.20 W/kg



Test Laboratory: SGS-SAR Lab

vivo 1938 WCDMA Band II 9262CH Right tilted Ant2

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

Communication System: UID 0, WCDMA (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.413$ S/m; $\epsilon_r = 39.967$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.48, 8.48, 8.48); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

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

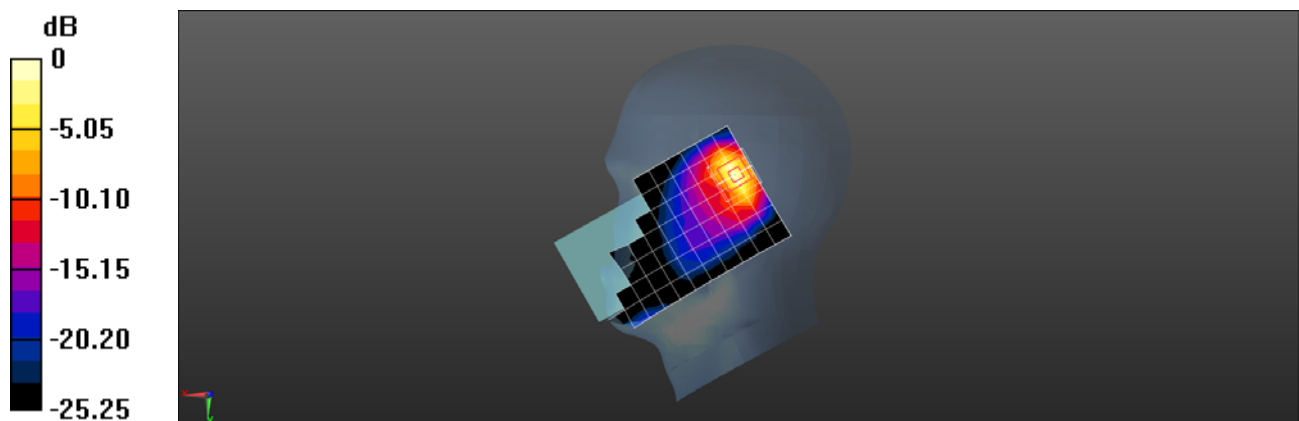
Reference Value = 17.27 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.731 W/kg; SAR(10 g) = 0.323 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.32 W/kg = 1.21 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 WCDMA Band II 9400CH Back side 15mm Ant2

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 39.954$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.48, 8.48, 8.48); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.737 W/kg

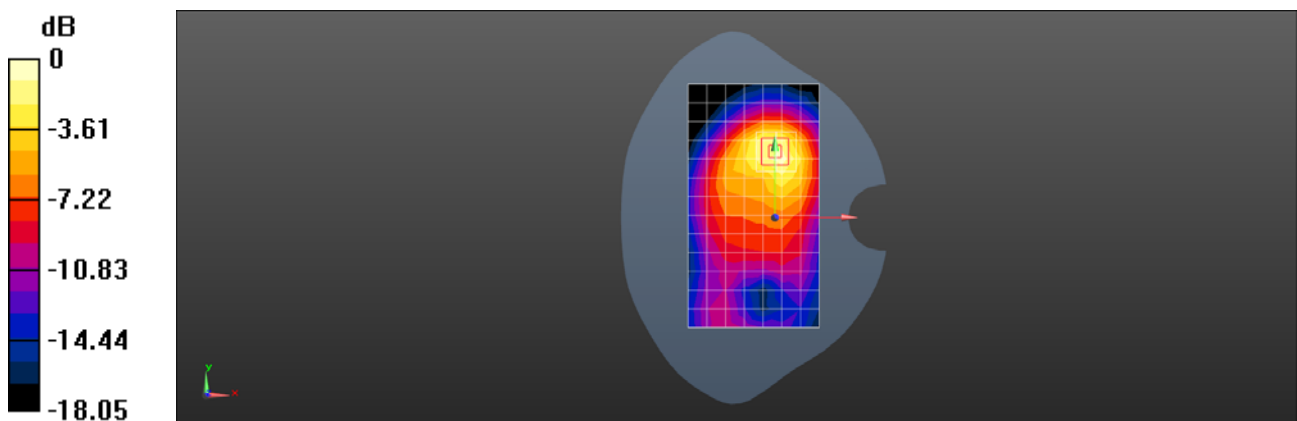
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.250 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.951 W/kg

SAR(1 g) = 0.552 W/kg; SAR(10 g) = 0.311 W/kg

Maximum value of SAR (measured) = 0.808 W/kg



Test Laboratory: SGS-SAR Lab

vivo 1938 WCDMA Band II 9400CH Top side 10mm Ant2

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 39.954$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.48, 8.48, 8.48); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.525 W/kg

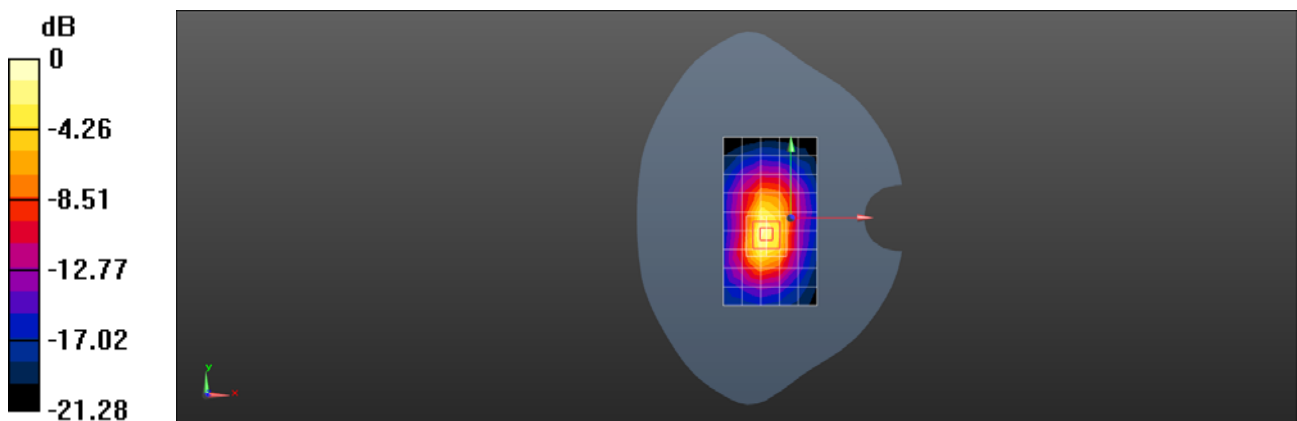
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.96 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.754 W/kg

SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.200 W/kg

Maximum value of SAR (measured) = 0.632 W/kg



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

Test Laboratory: SGS-SAR Lab

vivo 1938 WCDMA Band II 9400CH Top side 5mm Ant2

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 39.954$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.48, 8.48, 8.48); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.78 W/kg

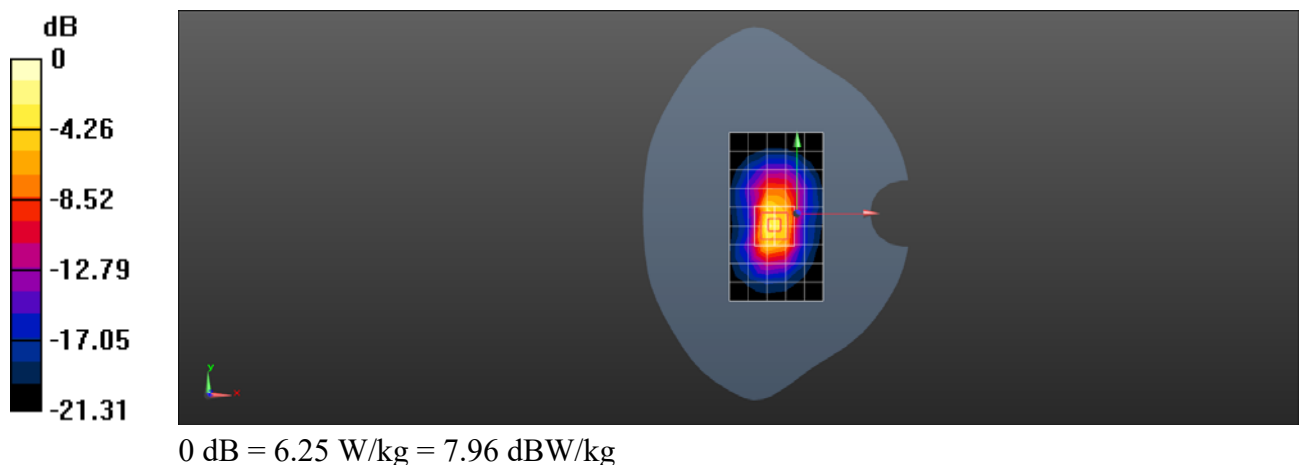
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 49.12 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 7.54 W/kg

SAR(1 g) = 3.6 W/kg; SAR(10 g) = 1.62 W/kg

Maximum value of SAR (measured) = 6.25 W/kg



Test Laboratory: SGS-SAR Lab

vivo 1938 WCDMA Band IV 1412CH Left cheek Ant1

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

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

Medium: HSL1750; Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.333$ S/m; $\epsilon_r = 40.866$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.8, 8.8, 8.8); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.150 W/kg

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

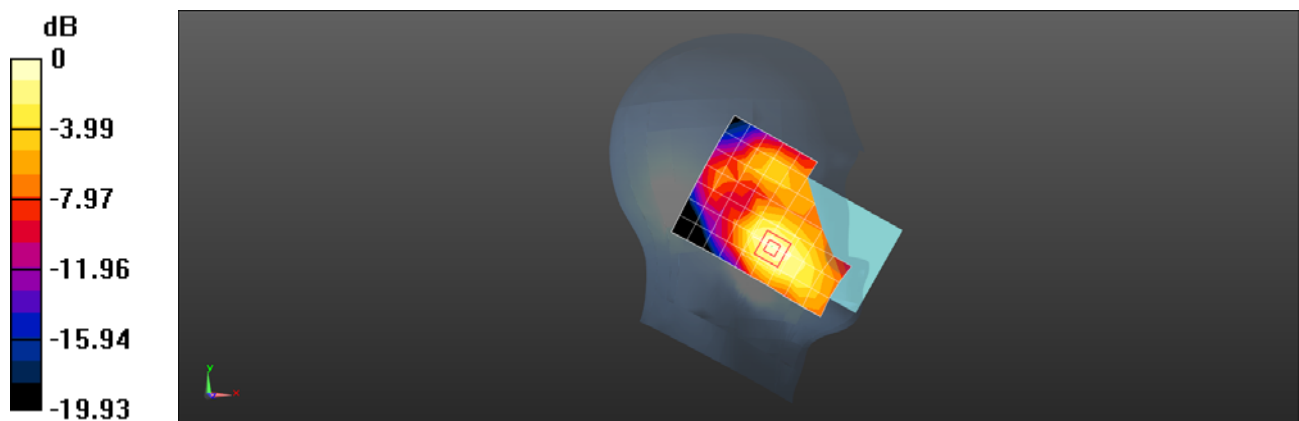
Reference Value = 3.815 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.184 W/kg

SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.070 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.156 W/kg



0 dB = 0.156 W/kg = -8.07 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 WCDMA Band IV 1412CH Back side 15mm Ant1

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

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

Medium: HSL1750; Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.333$ S/m; $\epsilon_r = 40.866$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.8, 8.8, 8.8); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.466 W/kg

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

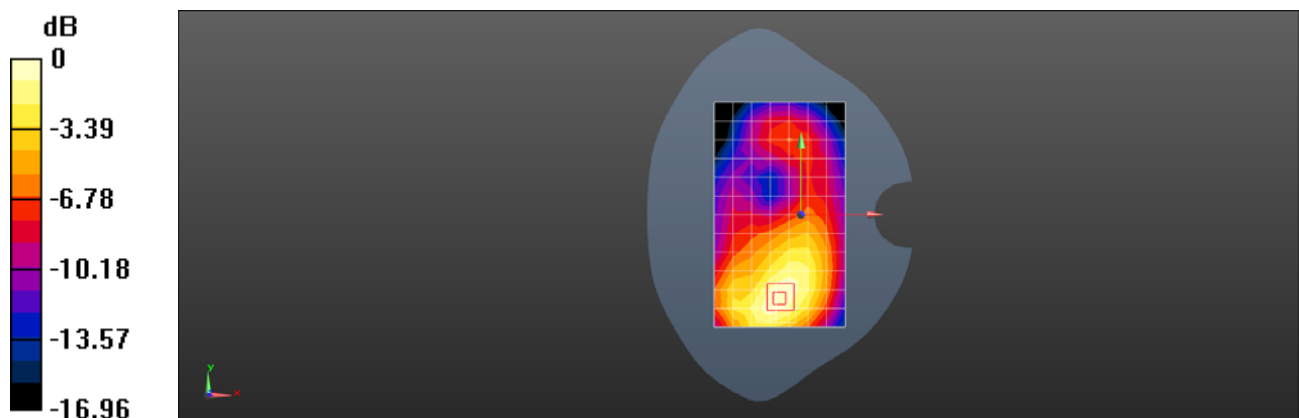
Reference Value = 6.231 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.574 W/kg

SAR(1 g) = 0.359 W/kg; SAR(10 g) = 0.220 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.494 W/kg



0 dB = 0.494 W/kg = -3.06 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 WCDMA Band IV 1513CH Back side 10mm Ant1

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

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

Medium: HSL1750; Medium parameters used: $f = 1753$ MHz; $\sigma = 1.361$ S/m; $\epsilon_r = 40.754$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.8, 8.8, 8.8); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

Maximum value of SAR (measured) = 0.929 W/kg

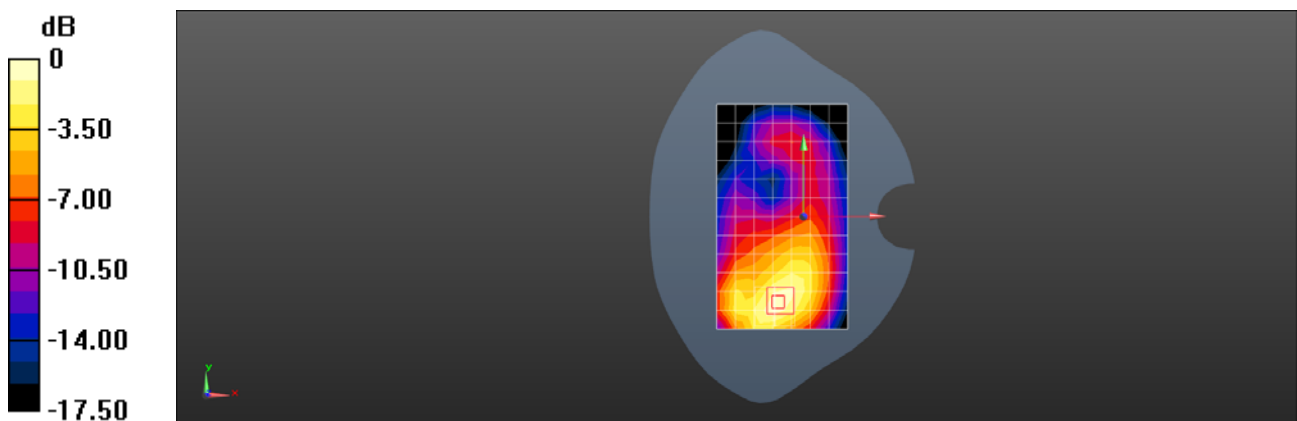
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.976 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.703 W/kg; SAR(10 g) = 0.414 W/kg

Maximum value of SAR (measured) = 0.974 W/kg



0 dB = 0.974 W/kg = -0.11 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 WCDMA Band IV 1513CH Right tilted Ant2

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

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

Medium: HSL1750; Medium parameters used: $f = 1753$ MHz; $\sigma = 1.361$ S/m; $\epsilon_r = 40.754$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.8, 8.8, 8.8); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

Maximum value of SAR (measured) = 1.07 W/kg

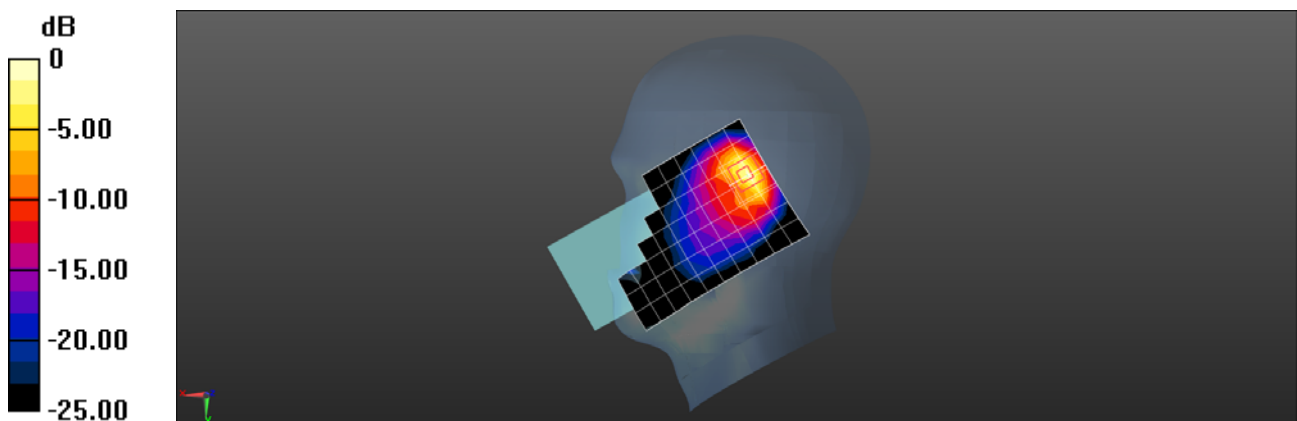
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.59 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.704 W/kg; SAR(10 g) = 0.317 W/kg

Maximum value of SAR (measured) = 1.22 W/kg



0 dB = 1.22 W/kg = 0.86 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 WCDMA Band IV 1412CH Back side 15mm Ant2

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

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

Medium: HSL1750; Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.333$ S/m; $\epsilon_r = 40.866$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.8, 8.8, 8.8); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

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

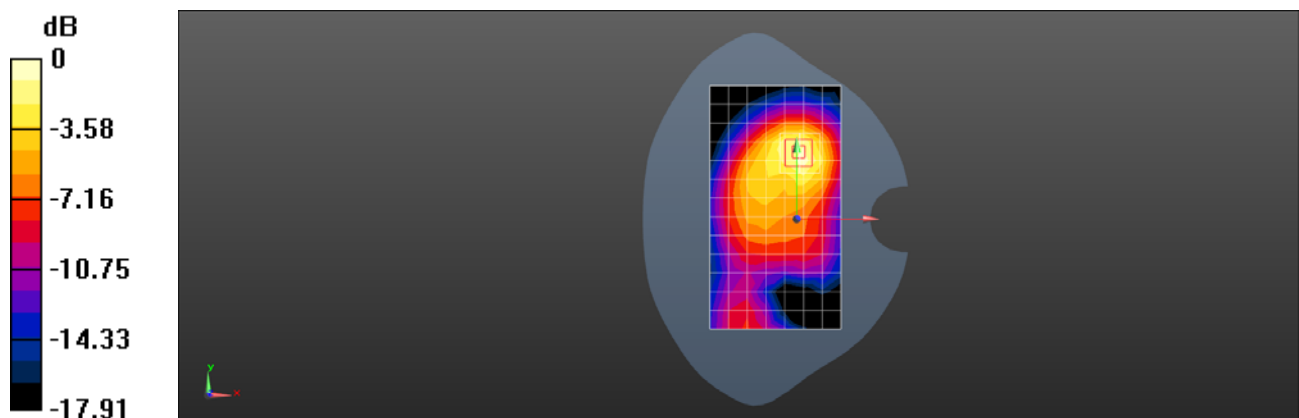
Reference Value = 8.709 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.558 W/kg

SAR(1 g) = 0.328 W/kg; SAR(10 g) = 0.187 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.477 W/kg



0 dB = 0.477 W/kg = -3.21 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 WCDMA Band IV 1412CH Top side 10mm Ant2

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

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

Medium: HSL1750; Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.333$ S/m; $\epsilon_r = 40.866$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.8, 8.8, 8.8); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.179 W/kg

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

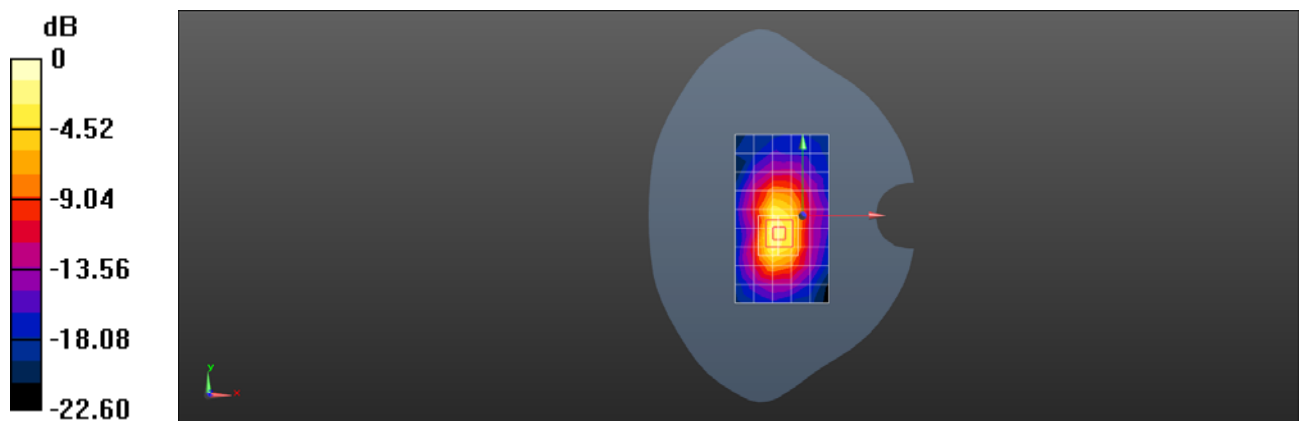
Reference Value = 9.219 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.275 W/kg

SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.073 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.231 W/kg



0 dB = 0.231 W/kg = -6.36 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 WCDMA Band IV 1412CH Top side 0mm Ant2

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

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

Medium: HSL1750; Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.333$ S/m; $\epsilon_r = 40.866$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.8, 8.8, 8.8); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 2.40 W/kg

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

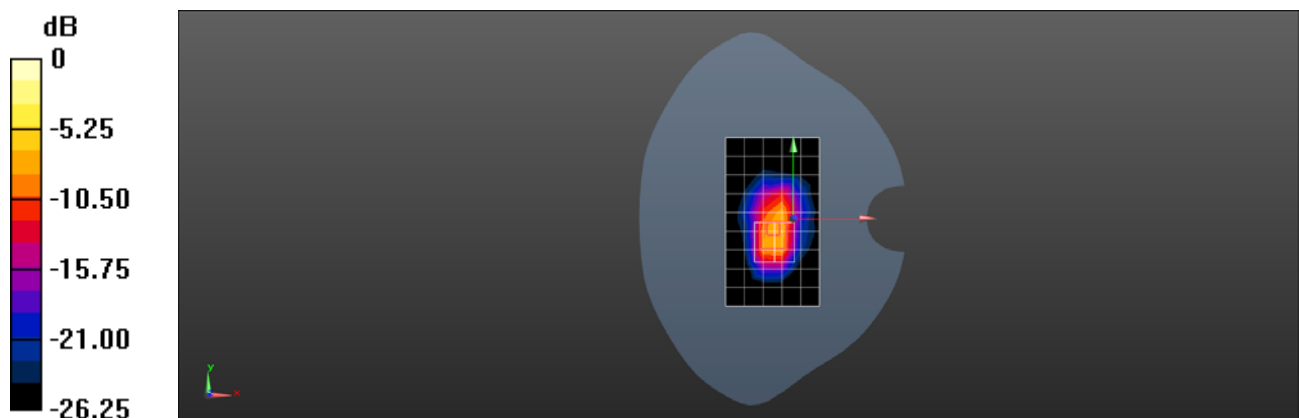
Reference Value = 55.03 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 15.6 W/kg

SAR(1 g) = 4.14 W/kg; SAR(10 g) = 1.69 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 11.7 W/kg



0 dB = 11.7 W/kg = 10.68 dBW/kg

Test Laboratory: SGS-SAR Lab

VIVO 1938 WCDMA Band V 4182CH Left cheek Ant1

DUT: VIVO 1938; Type: mobile phone; Serial: 867565049997954

Communication System: UID 0, WCDMA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 40.84$;

$\rho = 1000$ kg/m³

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.76, 8.76, 8.76); Calibrated: 2019-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.165 W/kg

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

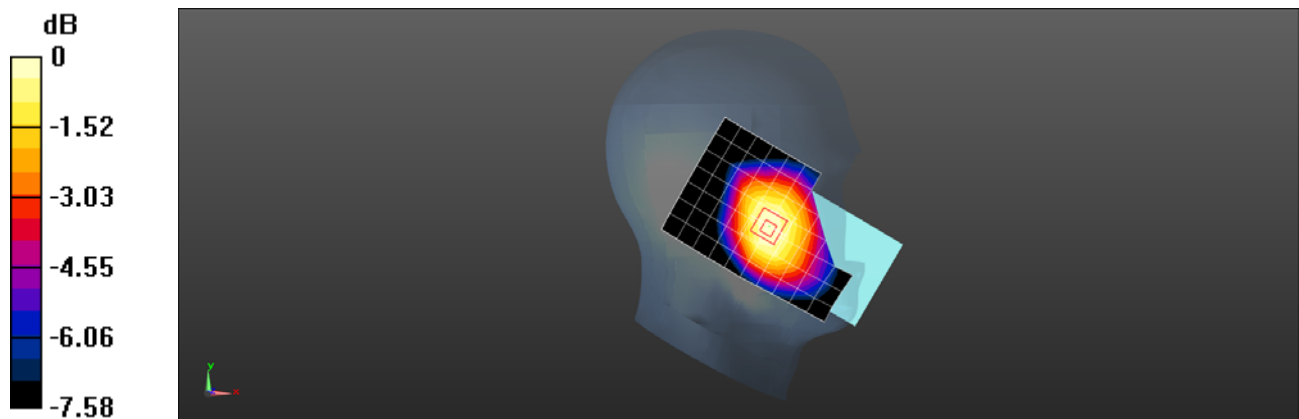
Reference Value = 3.367 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.178 W/kg

SAR(1 g) = 0.144 W/kg; SAR(10 g) = 0.113 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.162 W/kg



0 dB = 0.162 W/kg = -7.90 dBW/kg

Test Laboratory: SGS-SAR Lab

VIVO 1938 WCDMA Band V 4182CH Back side 15mm Ant1

DUT: VIVO 1938; Type: mobile phone; Serial: 867565049997954

Communication System: UID 0, WCDMA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 40.84$;

$\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.76, 8.76, 8.76); Calibrated: 2019-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.172 W/kg

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

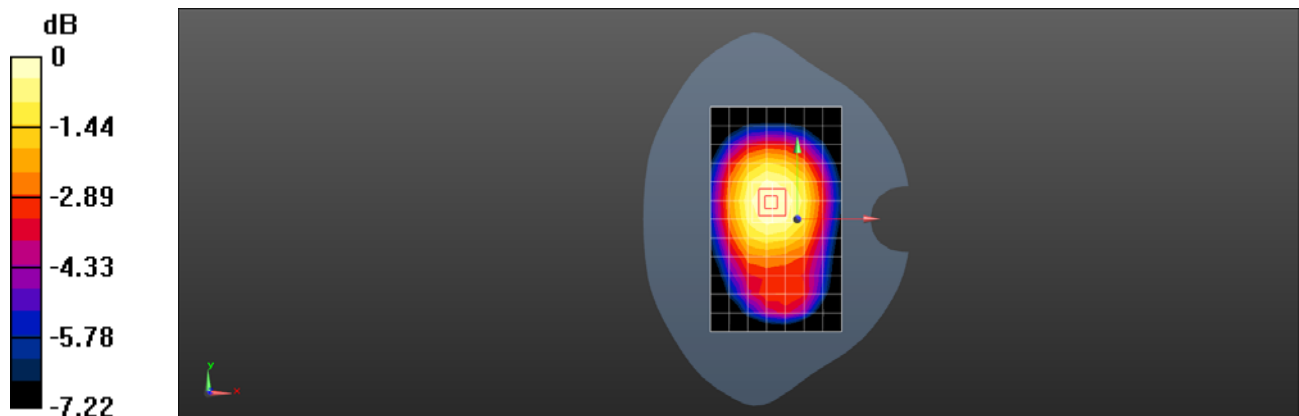
Reference Value = 12.95 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.189 W/kg

SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.116 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.172 W/kg



0 dB = 0.172 W/kg = -7.64 dBW/kg

Test Laboratory: SGS-SAR Lab

VIVO 1938 WCDMA Band V 4182CH Back side 10mm Ant1

DUT: VIVO 1938; Type: mobile phone; Serial: 867565049997954

Communication System: UID 0, WCDMA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 40.84$;

$\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.76, 8.76, 8.76); Calibrated: 2019-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.196 W/kg

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

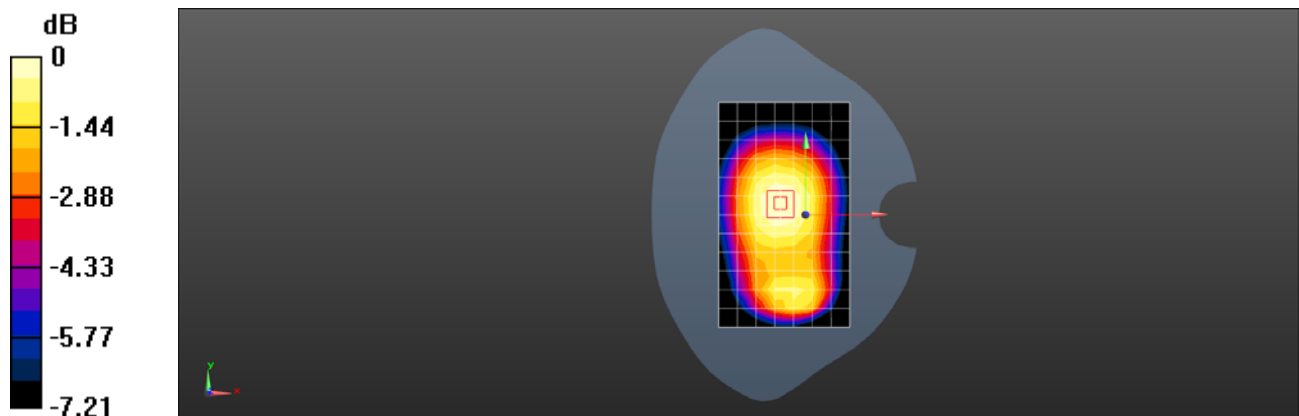
Reference Value = 14.16 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.217 W/kg

SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.136 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.199 W/kg



0 dB = 0.199 W/kg = -7.01 dBW/kg

Test Laboratory: SGS-SAR Lab

VIVO 1938 WCDMA Band V 4182CH Right cheek Ant2

DUT: VIVO 1938; Type: mobile phone; Serial: 867565049997954

Communication System: UID 0, WCDMA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 40.84$;

$\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.76, 8.76, 8.76); Calibrated: 2019-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.969 W/kg

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

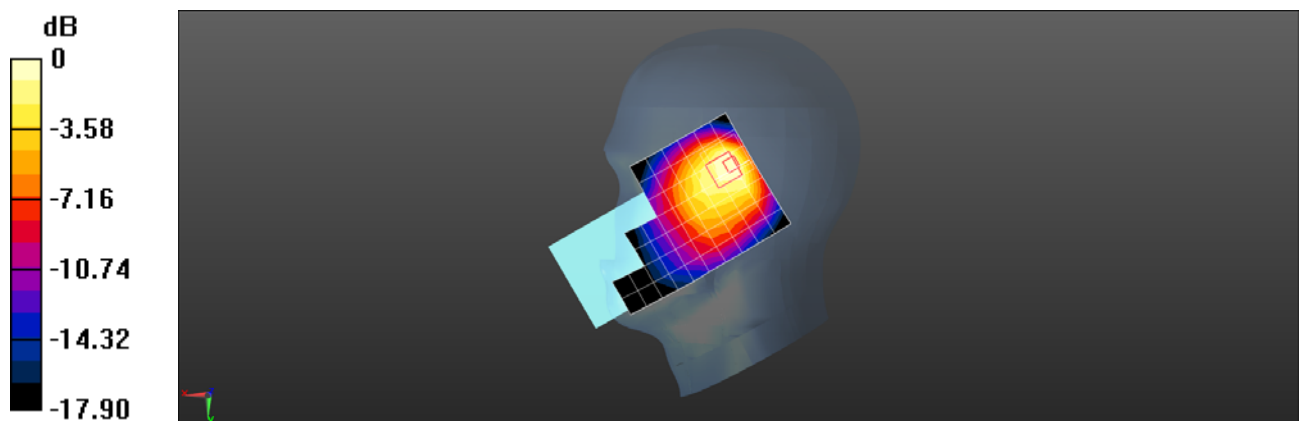
Reference Value = 22.67 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.697 W/kg; SAR(10 g) = 0.430 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.896 W/kg



0 dB = 0.896 W/kg = -0.48 dBW/kg

Test Laboratory: SGS-SAR Lab

VIVO 1938 WCDMA Band V 4182CH Back side 15mm Ant2

DUT: VIVO 1938; Type: mobile phone; Serial: 867565049997954

Communication System: UID 0, WCDMA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 40.84$;

$\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.76, 8.76, 8.76); Calibrated: 2019-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.174 W/kg

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

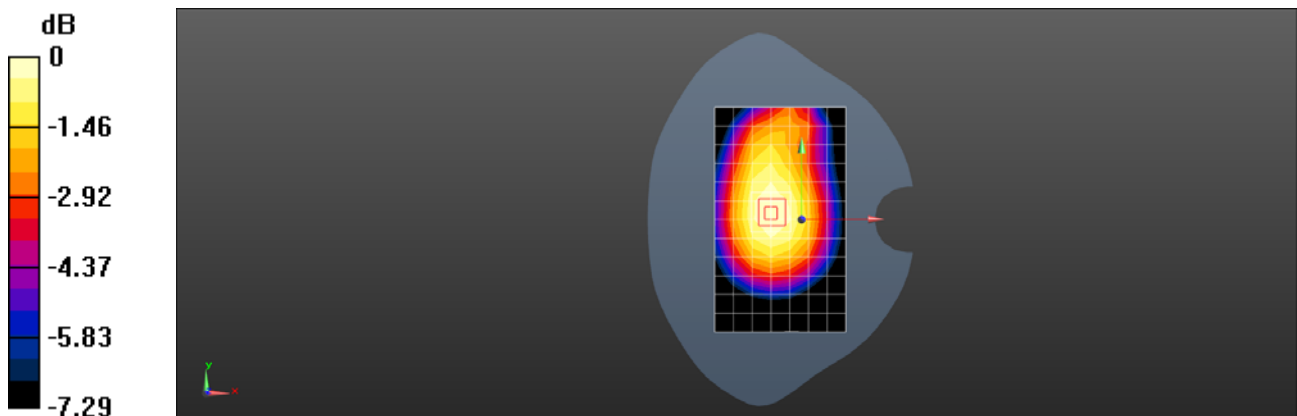
Reference Value = 13.26 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.193 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.118 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.176 W/kg



0 dB = 0.176 W/kg = -7.54 dBW/kg

Test Laboratory: SGS-SAR Lab

VIVO 1938 WCDMA Band V 4182CH Back side 10mm Ant2

DUT: VIVO 1938; Type: mobile phone; Serial: 867565049997954

Communication System: UID 0, WCDMA Band V; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 40.84$;

$\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.76, 8.76, 8.76); Calibrated: 2019-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.269 W/kg

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

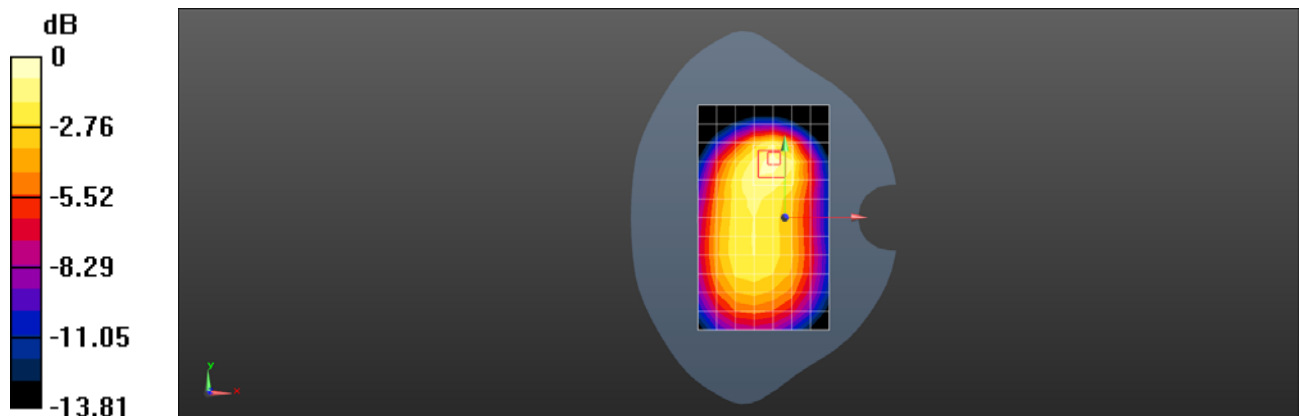
Reference Value = 13.46 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.359 W/kg

SAR(1 g) = 0.208 W/kg; SAR(10 g) = 0.129 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.285 W/kg



0 dB = 0.285 W/kg = -5.45 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 2 20M QPSK 1RB99 18900CH Left cheek Ant1

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 39.954$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.48, 8.48, 8.48); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

Maximum value of SAR (measured) = 0.131 W/kg

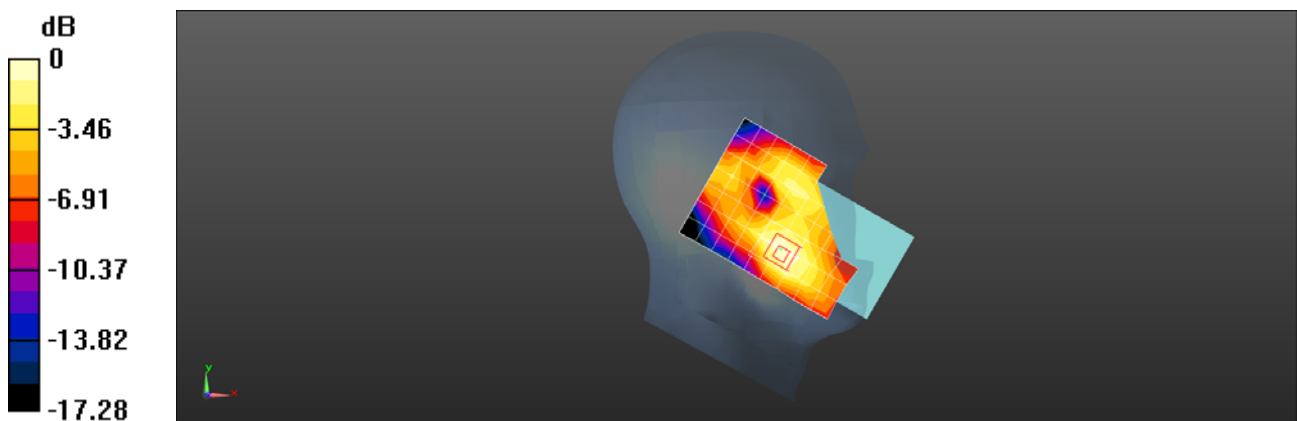
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.876 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.163 W/kg

SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.061 W/kg

Maximum value of SAR (measured) = 0.134 W/kg



0 dB = 0.134 W/kg = -8.73 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 2 20M QPSK 1RB99 18900CH Back side 15mm Ant1

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 39.954$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.48, 8.48, 8.48); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.621 W/kg

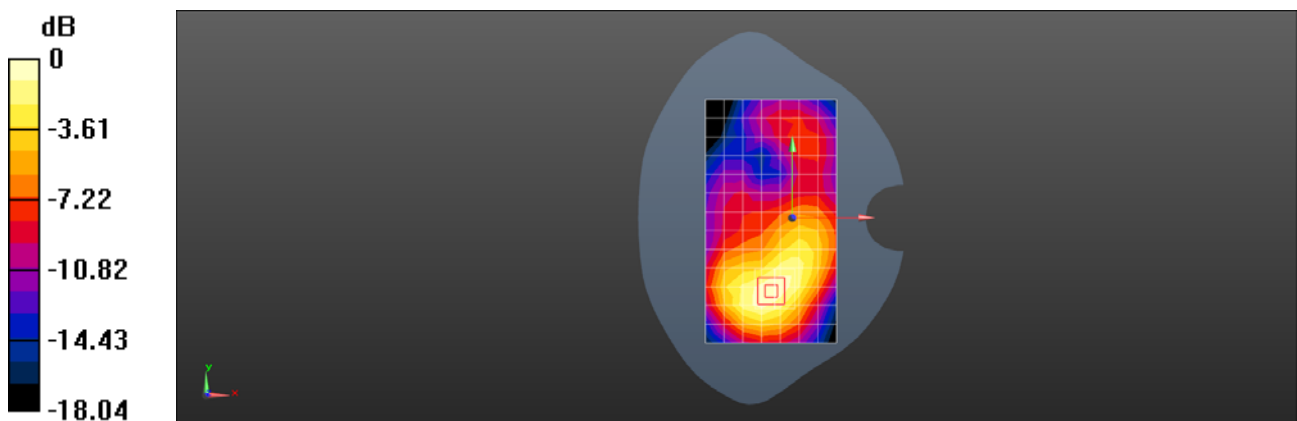
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.033 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.750 W/kg

SAR(1 g) = 0.464 W/kg; SAR(10 g) = 0.278 W/kg

Maximum value of SAR (measured) = 0.648 W/kg



0 dB = 0.648 W/kg = -1.88 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 2 20M QPSK 1RB99 18900CH Back side 10mm Ant1

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 39.954$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.48, 8.48, 8.48); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

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

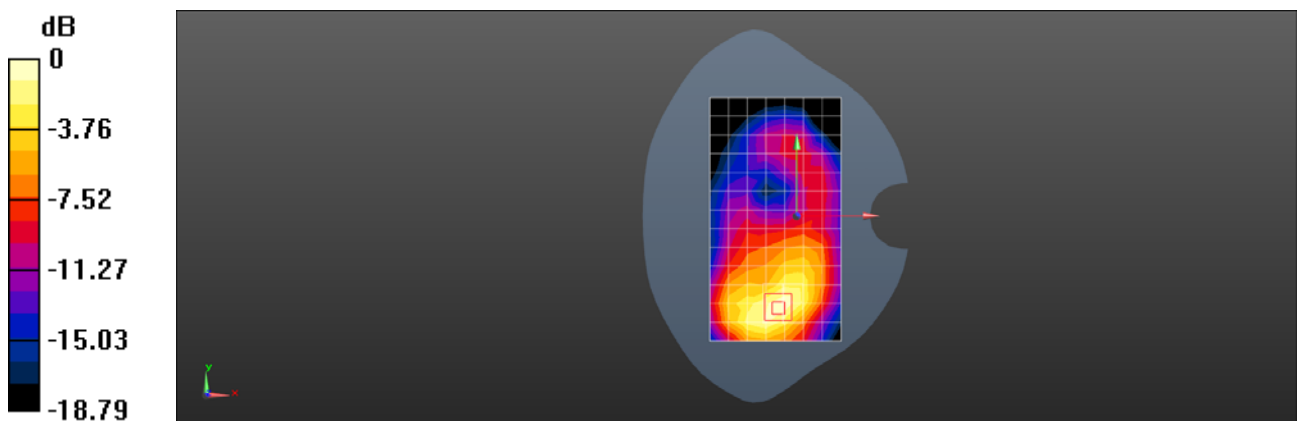
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.161 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.824 W/kg; SAR(10 g) = 0.466 W/kg

Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 1.16 W/kg = 0.64 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 2 20M QPSK 50RB0 18700CH Right tilted Ant2

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

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

Medium: HSL1900; Medium parameters used: $f = 1860$ MHz; $\sigma = 1.416$ S/m; $\epsilon_r = 39.964$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.48, 8.48, 8.48); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Head/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.07 W/kg

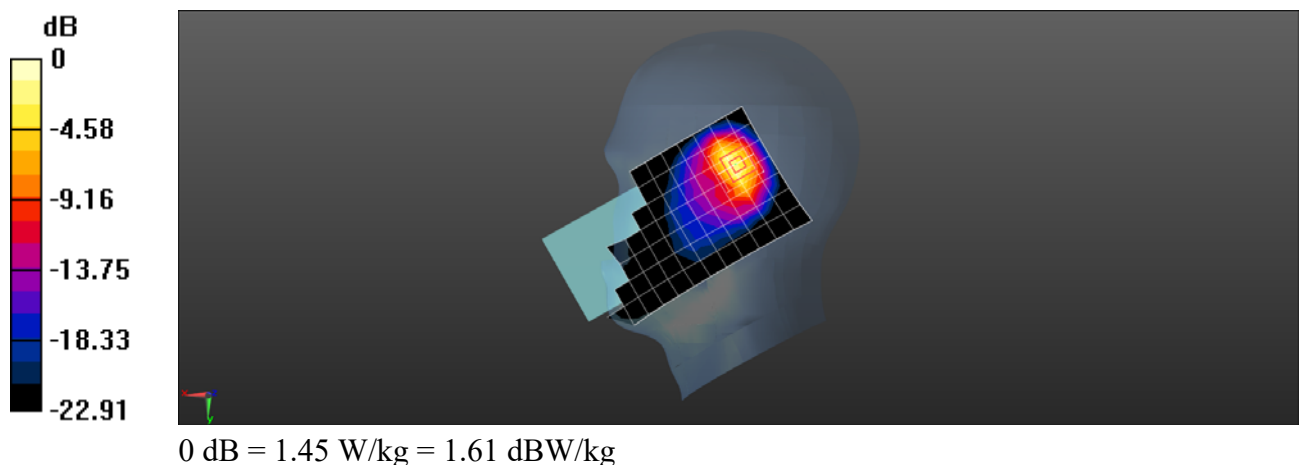
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.56 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 0.819 W/kg; SAR(10 g) = 0.363 W/kg

Maximum value of SAR (measured) = 1.45 W/kg



Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 2 20M QPSK 1RB50 18700CH Back side 15mm Ant2

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

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

Medium: HSL1900; Medium parameters used: $f = 1860$ MHz; $\sigma = 1.416$ S/m; $\epsilon_r = 39.964$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.48, 8.48, 8.48); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.771 W/kg

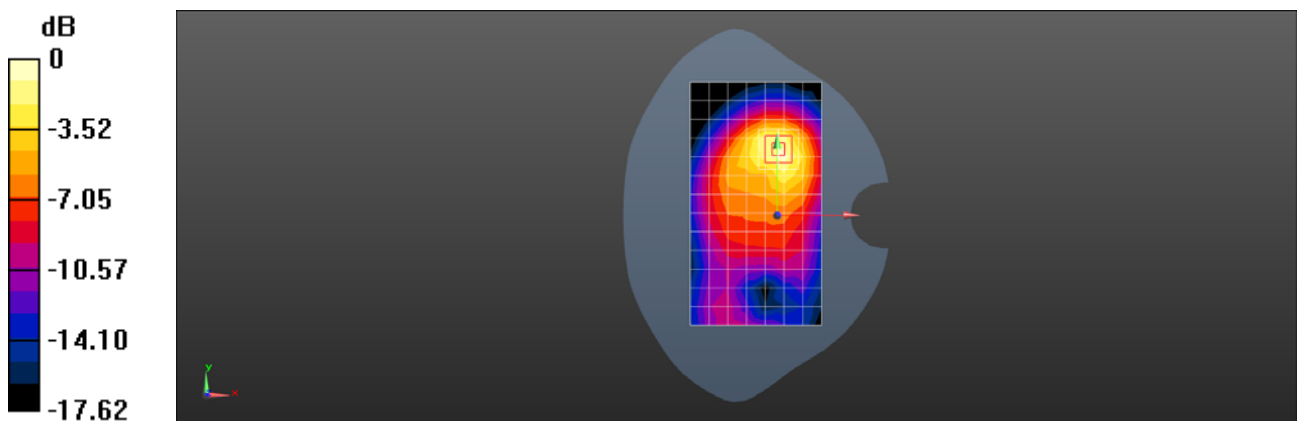
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.687 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.999 W/kg

SAR(1 g) = 0.582 W/kg; SAR(10 g) = 0.328 W/kg

Maximum value of SAR (measured) = 0.852 W/kg



0 dB = 0.852 W/kg = -0.70 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 2 20M QPSK 50RB0 19100CH Top side 10mm Ant2

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

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

Medium: HSL1900; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.431$ S/m; $\epsilon_r = 39.92$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.48, 8.48, 8.48); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.389 W/kg

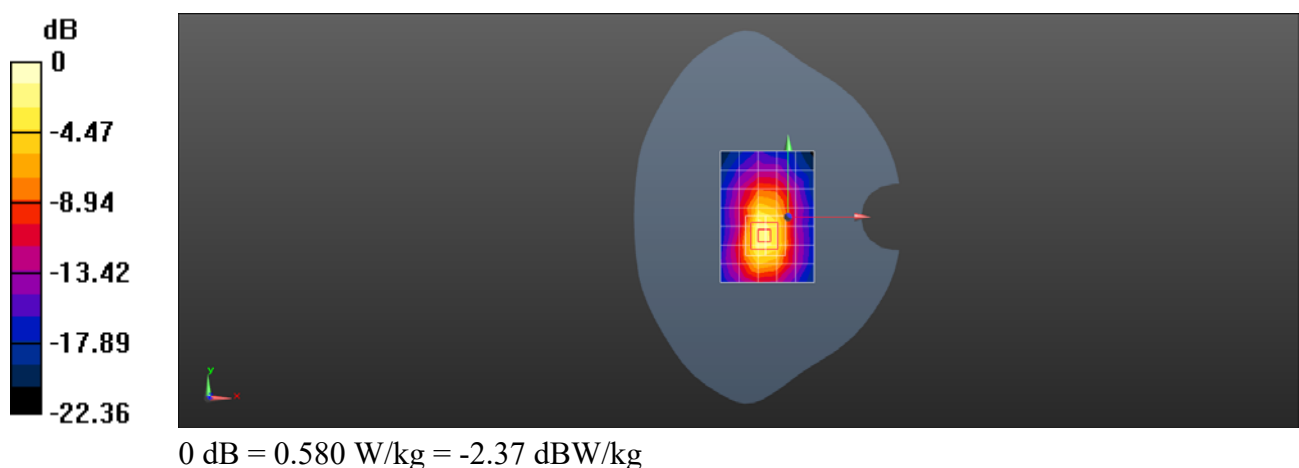
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.55 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.691 W/kg

SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.180 W/kg

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



Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 2 20M QPSK 1RB50 18700CH Top side 5mm Ant2

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

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

Medium: HSL1900; Medium parameters used: $f = 1860$ MHz; $\sigma = 1.416$ S/m; $\epsilon_r = 39.964$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.48, 8.48, 8.48); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.80 W/kg

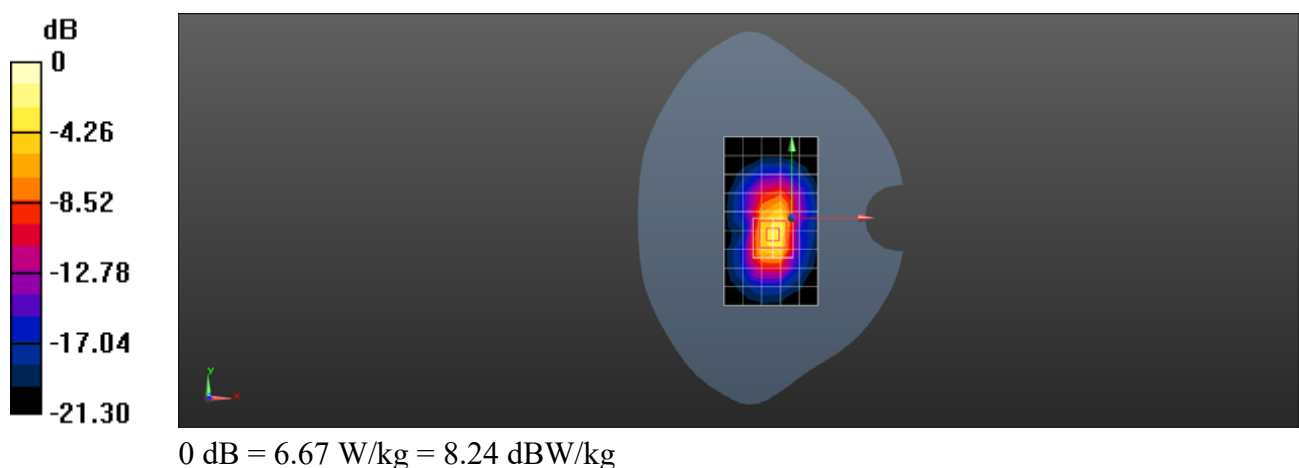
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.44 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 8.20 W/kg

SAR(1 g) = 3.94 W/kg; SAR(10 g) = 1.77 W/kg

Maximum value of SAR (measured) = 6.67 W/kg



Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 4 20M QPSK 1RB99 20175CH Left cheek Ant1

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.333$ S/m; $\epsilon_r = 40.856$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.8, 8.8, 8.8); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

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

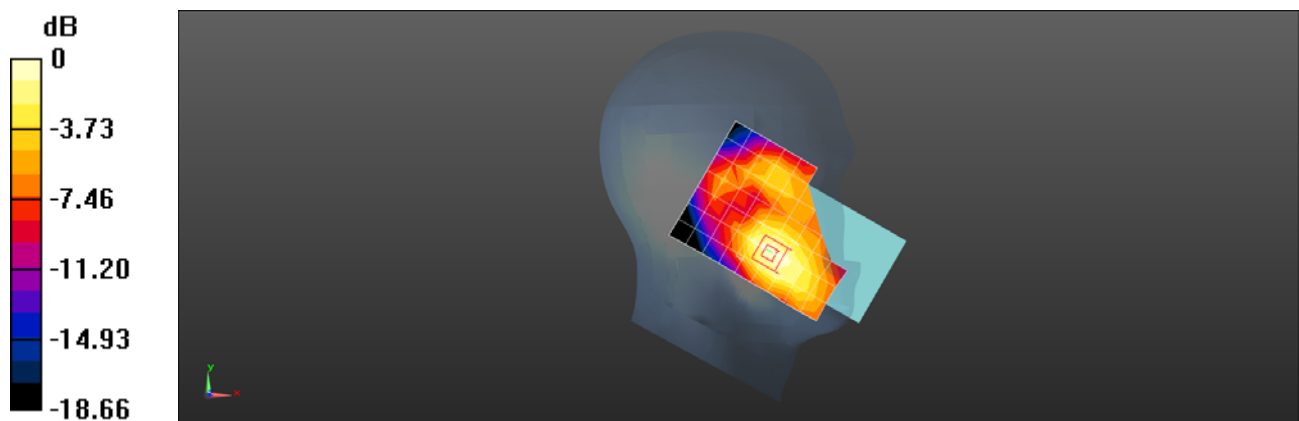
Reference Value = 4.179 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.173 W/kg

SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.068 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.148 W/kg



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

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 4 20M QPSK 1RB50 20175CH Back side 15mm Ant1

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.333$ S/m; $\epsilon_r = 40.856$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.8, 8.8, 8.8); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.462 W/kg

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

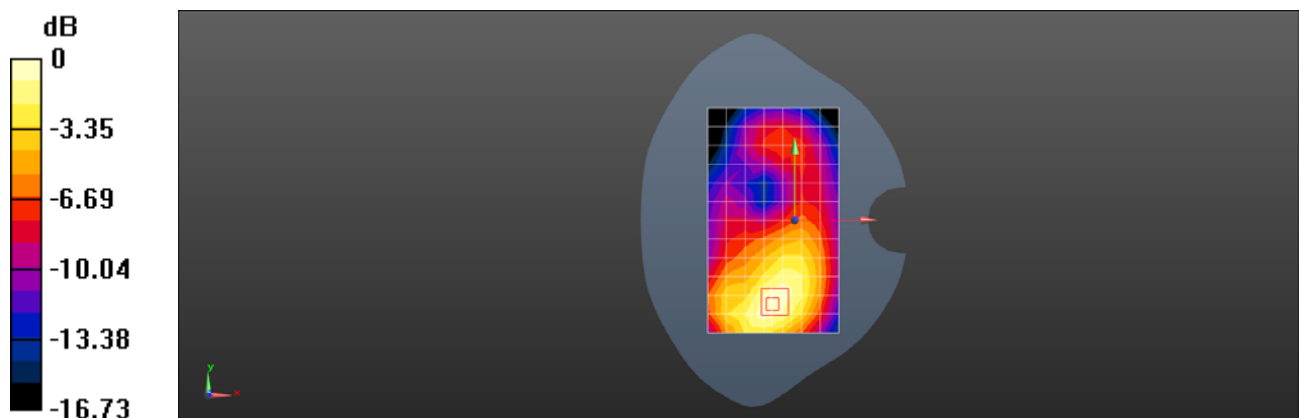
Reference Value = 6.239 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.579 W/kg

SAR(1 g) = 0.360 W/kg; SAR(10 g) = 0.221 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.501 W/kg



0 dB = 0.501 W/kg = -3.00 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 4 20M QPSK 1RB99 20175CH Back side 10mm Ant1

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.333$ S/m; $\epsilon_r = 40.856$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.8, 8.8, 8.8); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.853 W/kg

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

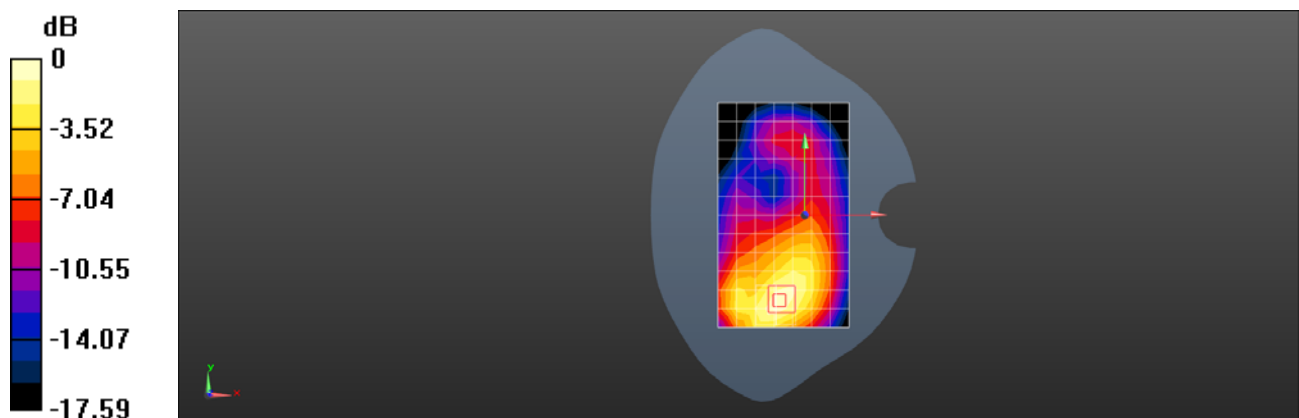
Reference Value = 7.545 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.640 W/kg; SAR(10 g) = 0.379 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.888 W/kg



Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 4 20M QPSK 50RB50 20300CH Right tilted Ant2

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

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

Medium: HSL1750; Medium parameters used: $f = 1745$ MHz; $\sigma = 1.347$ S/m; $\epsilon_r = 40.967$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.8, 8.8, 8.8); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Head/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

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

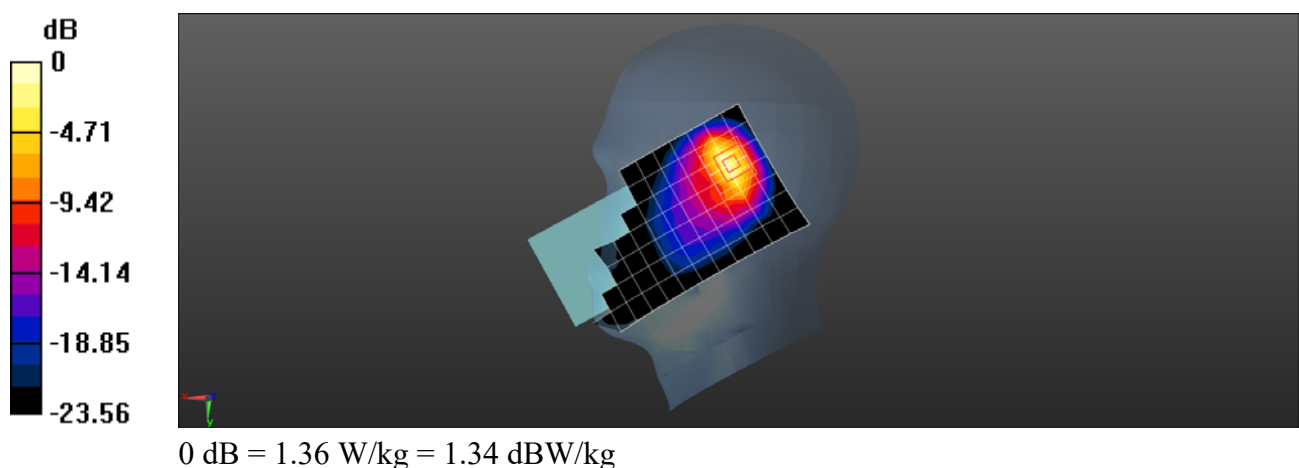
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.78 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.783 W/kg; SAR(10 g) = 0.346 W/kg

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



Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 4 20M QPSK 1RB50 20300CH Back side 15mm Ant2

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

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

Medium: HSL1750; Medium parameters used: $f = 1745$ MHz; $\sigma = 1.347$ S/m; $\epsilon_r = 40.967$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.8, 8.8, 8.8); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.512 W/kg

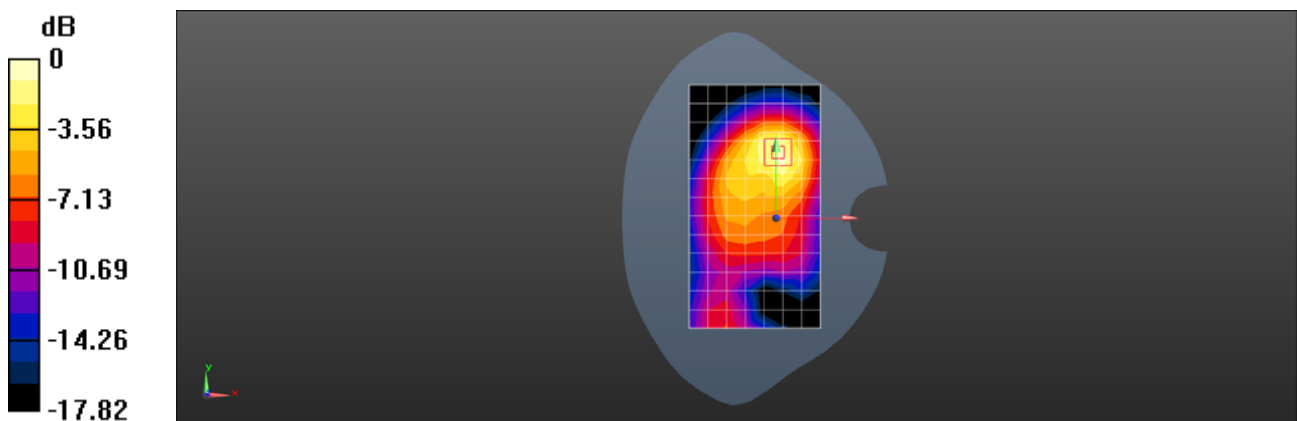
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.180 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.654 W/kg

SAR(1 g) = 0.382 W/kg; SAR(10 g) = 0.218 W/kg

Maximum value of SAR (measured) = 0.558 W/kg



Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 4 20M QPSK 1RB50 20300CH Top side 10mm Ant2

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

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

Medium: HSL1750; Medium parameters used: $f = 1745$ MHz; $\sigma = 1.347$ S/m; $\epsilon_r = 40.967$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.8, 8.8, 8.8); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.185 W/kg

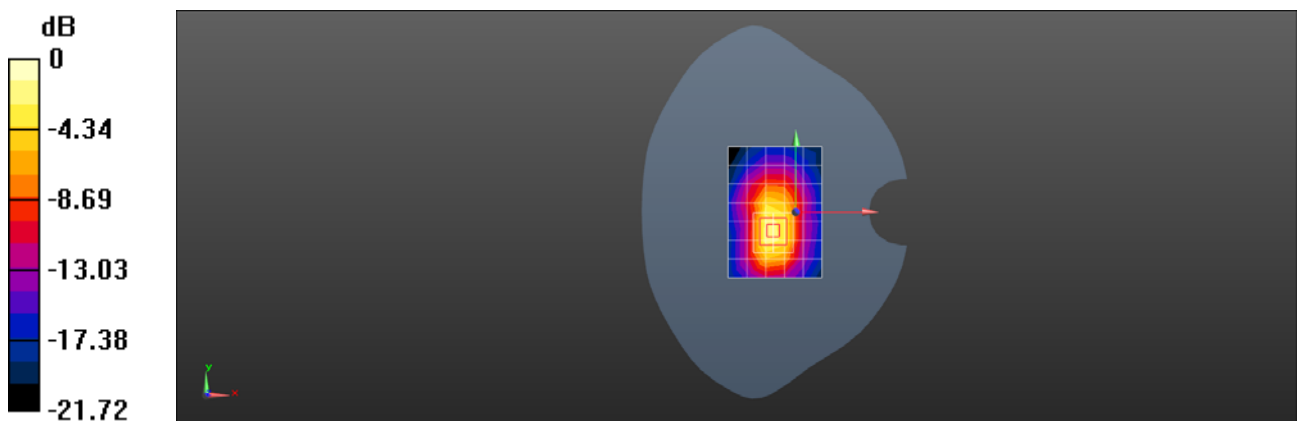
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.13 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.345 W/kg

SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.091 W/kg

Maximum value of SAR (measured) = 0.290 W/kg



0 dB = 0.290 W/kg = -5.38 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 4 20M QPSK 1RB50 20300CH Top side 0mm Ant2

DUT: vivo 1938; Type: Mobile phone; Serial: 868834040000010

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

Medium: HSL1750; Medium parameters used: $f = 1745$ MHz; $\sigma = 1.347$ S/m; $\epsilon_r = 40.967$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.8, 8.8, 8.8); Calibrated: 2019-09-11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.86 W/kg

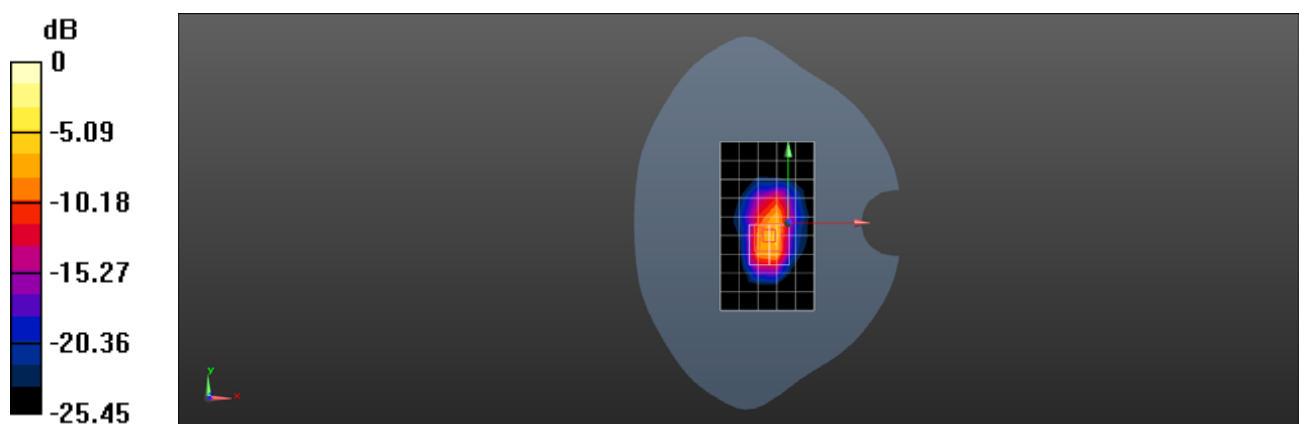
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.08 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 15.6 W/kg

SAR(1 g) = 4.31 W/kg; SAR(10 g) = 1.7 W/kg

Maximum value of SAR (measured) = 11.6 W/kg



0 dB = 11.6 W/kg = 10.64 dBW/kg

Test Laboratory: SGS-SAR Lab

VIVO 1938 LTE Band 5 10M QPSK 1RB0 20450CH Right cheek Ant1

DUT: VIVO 1938; Type: mobile phone; Serial: 867565049997954

Communication System: UID 0, LTE Band 5 10MHz; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used: $f = 829 \text{ MHz}$; $\sigma = 0.882 \text{ S/m}$; $\epsilon_r = 40.886$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.76, 8.76, 8.76); Calibrated: 2019-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

Maximum value of SAR (measured) = 0.0997 W/kg

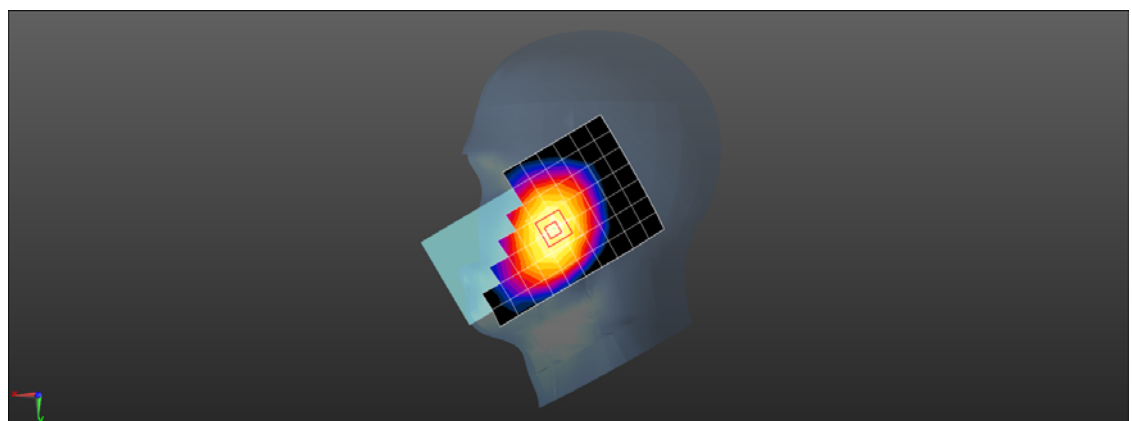
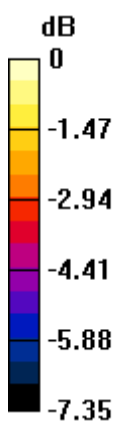
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.528 V/m ; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.111 W/kg

SAR(1 g) = 0.091 W/kg ; SAR(10 g) = 0.072 W/kg

Maximum value of SAR (measured) = 0.103 W/kg



$0 \text{ dB} = 0.103 \text{ W/kg} = -9.87 \text{ dBW/kg}$

Test Laboratory: SGS-SAR Lab

VIVO 1938 LTE Band 5 10M QPSK 1RB0 20450CH Back side 15mm Ant1

DUT: VIVO 1938; Type: mobile phone; Serial: 867565049997954

Communication System: UID 0, LTE Band 5 10MHz; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used: $f = 829 \text{ MHz}$; $\sigma = 0.882 \text{ S/m}$; $\epsilon_r = 40.886$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.76, 8.76, 8.76); Calibrated: 2019-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (8x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.117 W/kg

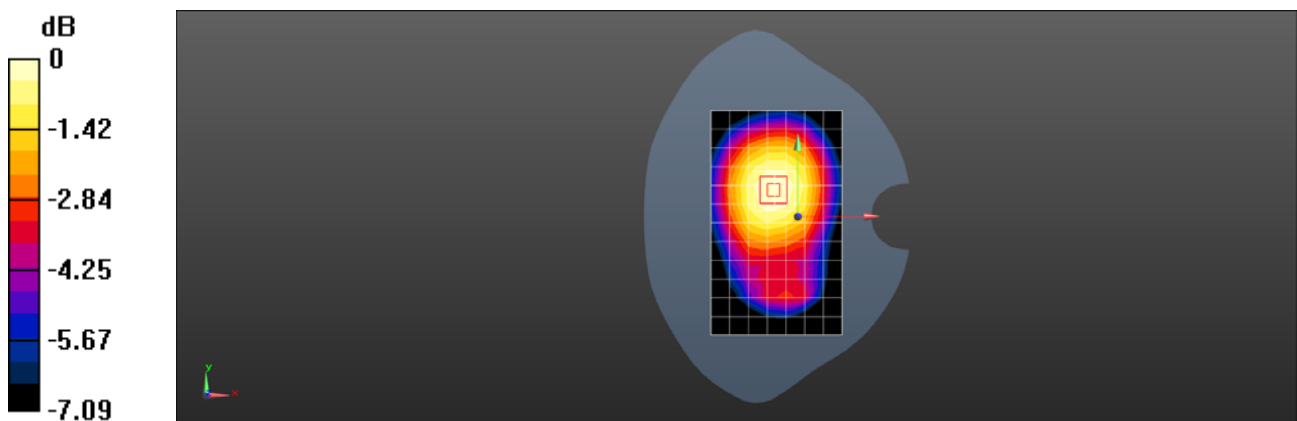
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.36 V/m ; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.130 W/kg

SAR(1 g) = 0.105 W/kg ; SAR(10 g) = 0.081 W/kg

Maximum value of SAR (measured) = 0.119 W/kg



0 dB = 0.119 W/kg = -9.24 dBW/kg

Test Laboratory: SGS-SAR Lab

VIVO 1938 LTE Band 5 10M QPSK 1RB0 20450CH Back side 10mm Ant1

DUT: VIVO 1938; Type: mobile phone; Serial: 867565049997954

Communication System: UID 0, LTE Band 5 10MHz; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used: $f = 829 \text{ MHz}$; $\sigma = 0.882 \text{ S/m}$; $\epsilon_r = 40.886$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.76, 8.76, 8.76); Calibrated: 2019-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (8x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.135 W/kg

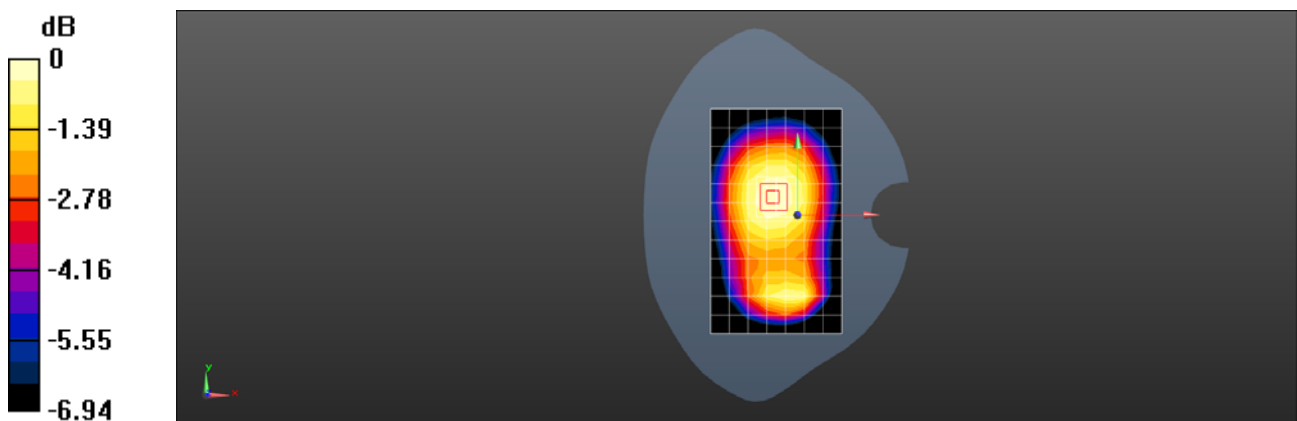
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.64 V/m ; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.152 W/kg

SAR(1 g) = 0.123 W/kg ; SAR(10 g) = 0.096 W/kg

Maximum value of SAR (measured) = 0.139 W/kg



Test Laboratory: SGS-SAR Lab

VIVO 1938 LTE Band 5 10M QPSK 25RB25 20600CH Right cheek Ant2

DUT: VIVO 1938; Type: mobile phone; Serial: 867565049997954

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

Medium: HSL835; Medium parameters used: $f = 844 \text{ MHz}$; $\sigma = 0.891 \text{ S/m}$; $\epsilon_r = 40.79$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.76, 8.76, 8.76); Calibrated: 2019-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Head/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

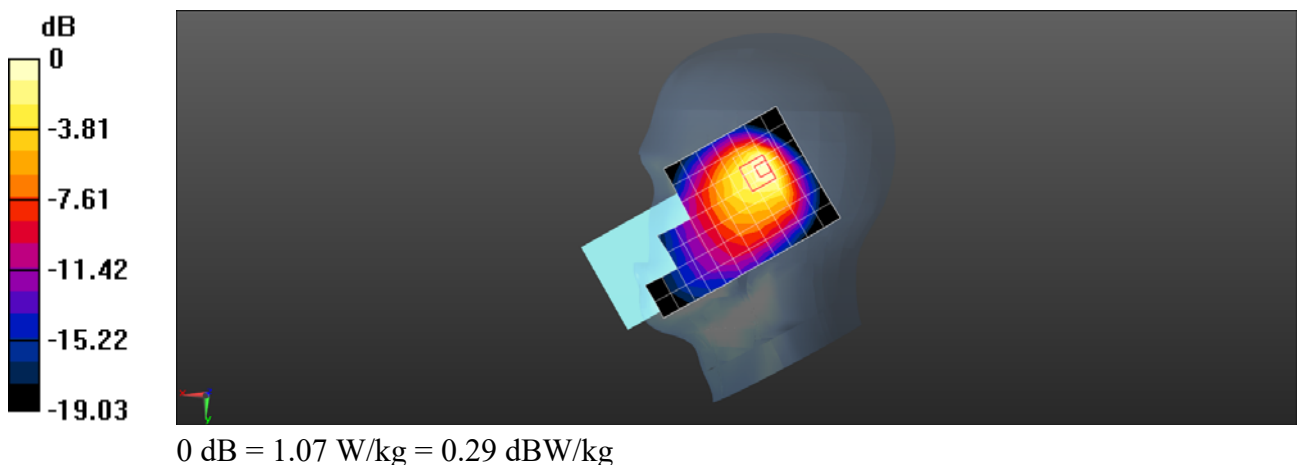
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 22.66 V/m ; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.805 W/kg ; SAR(10 g) = 0.468 W/kg

Maximum value of SAR (measured) = 1.07 W/kg



Test Laboratory: SGS-SAR Lab

VIVO 1938 LTE Band 5 10M QPSK 1RB0 20525CH Back side 15mm Ant2

DUT: VIVO 1938; Type: mobile phone; Serial: 867565049997954

Communication System: UID 0, LTE Band 5 10MHz; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 40.84$;

$\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.76, 8.76, 8.76); Calibrated: 2019-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Head/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.156 W/kg

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

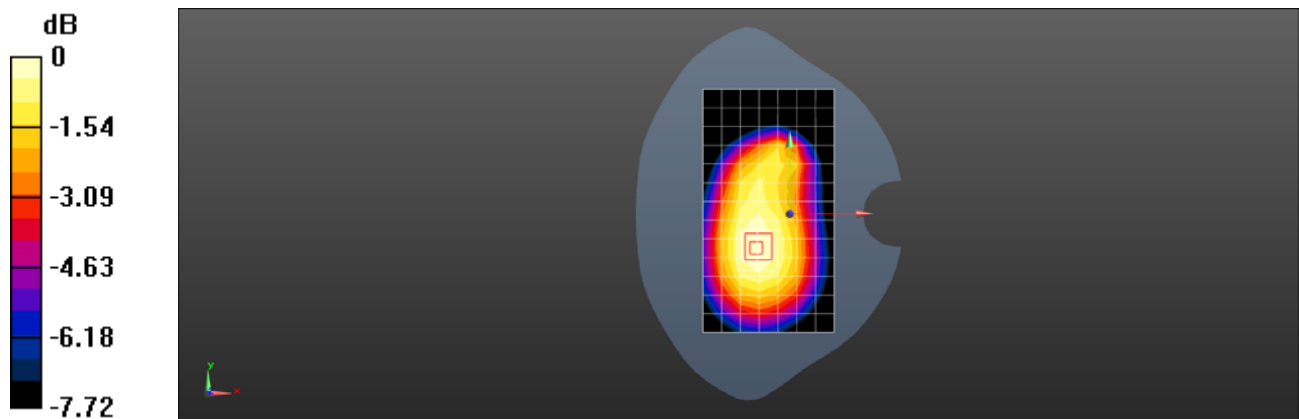
Reference Value = 11.82 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.175 W/kg

SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.105 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.159 W/kg



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

Test Laboratory: SGS-SAR Lab

VIVO 1938 LTE Band 5 10M QPSK 1RB0 20525CH Back side 10mm Ant2

DUT: VIVO 1938; Type: mobile phone; Serial: 867565049997954

Communication System: UID 0, LTE Band 5 10MHz; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 40.84$;

$\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.76, 8.76, 8.76); Calibrated: 2019-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1027
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Head/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.244 W/kg

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

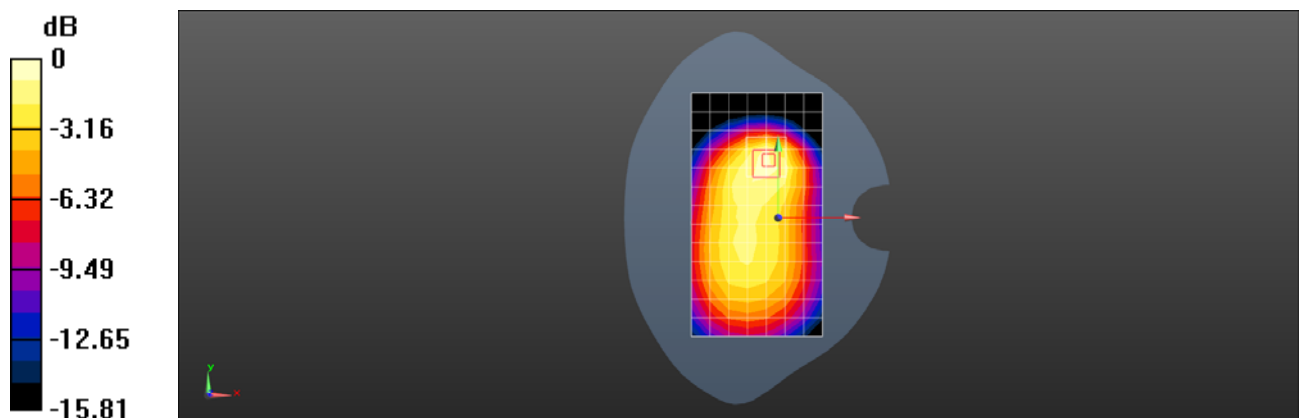
Reference Value = 13.41 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.353 W/kg

SAR(1 g) = 0.204 W/kg; SAR(10 g) = 0.127 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.277 W/kg



0 dB = 0.277 W/kg = -5.58 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 7 20M QPSK 1RB99 20850CH Right cheek Ant1

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: HSL2600; Medium parameters used: $f = 2510$ MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 40.708$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

Maximum value of SAR (measured) = 0.230 W/kg

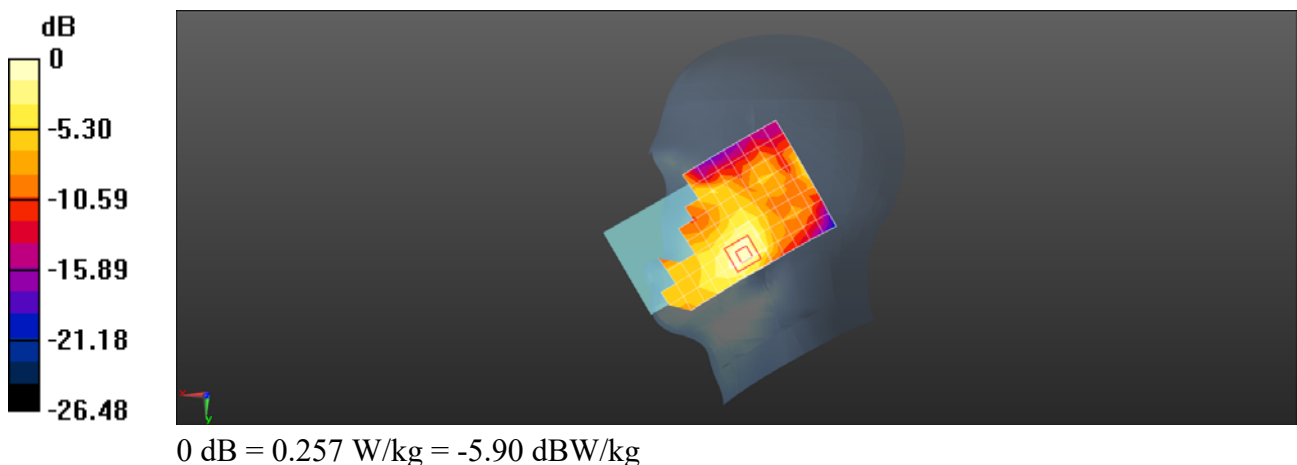
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.394 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.320 W/kg

SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.092 W/kg

Maximum value of SAR (measured) = 0.257 W/kg



Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 7 20M QPSK 1RB99 20850CH Back side 15mm Ant1

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: HSL2600; Medium parameters used: $f = 2510$ MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 40.708$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

Maximum value of SAR (measured) = 0.455 W/kg

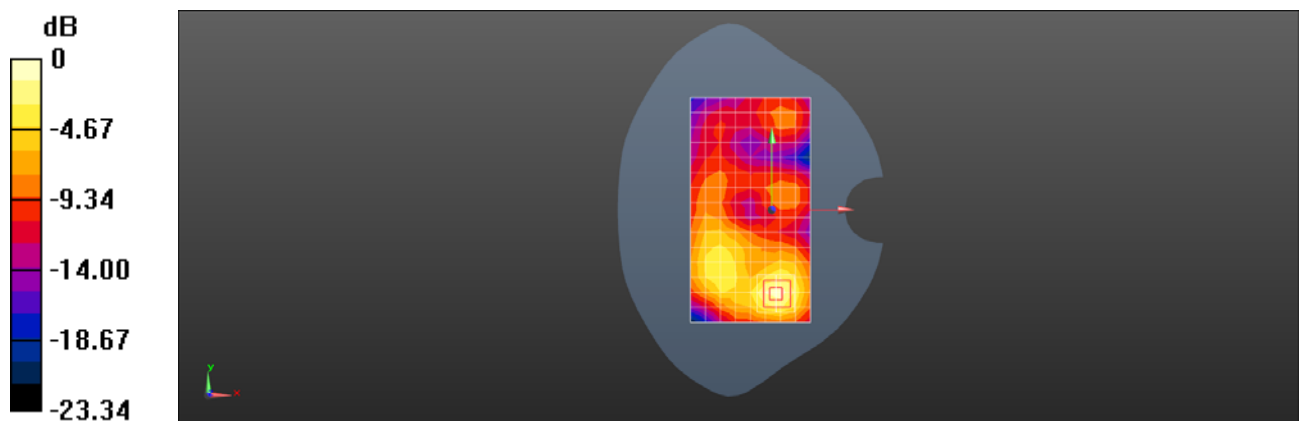
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.737 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.639 W/kg

SAR(1 g) = 0.305 W/kg; SAR(10 g) = 0.150 W/kg

Maximum value of SAR (measured) = 0.521 W/kg



Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 7 20M QPSK 1RB99 20850CH Back side 10mm Ant1

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: HSL2600; Medium parameters used: $f = 2510$ MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 40.708$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

Maximum value of SAR (measured) = 0.876 W/kg

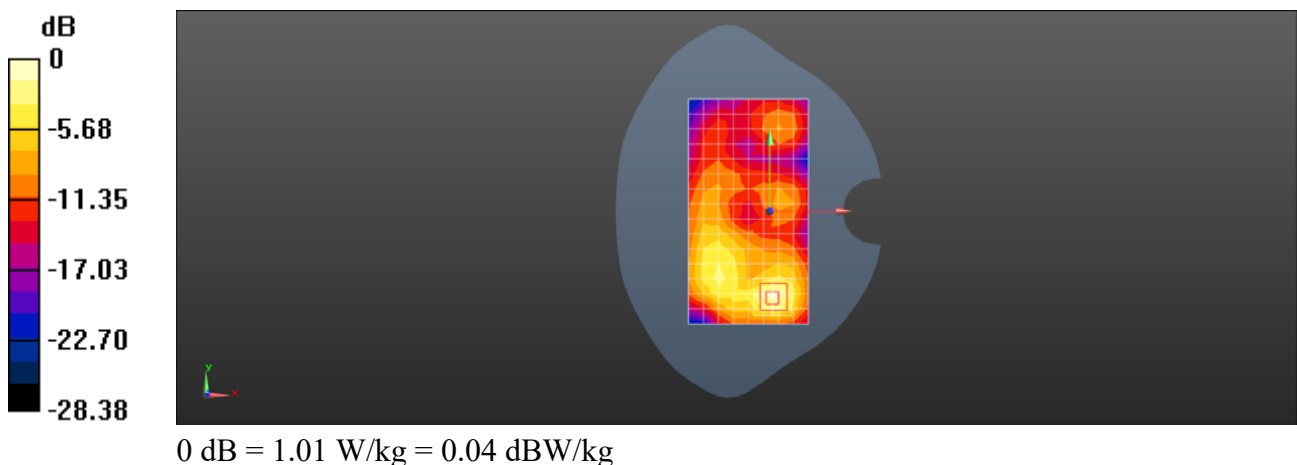
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.429 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.611 W/kg; SAR(10 g) = 0.278 W/kg

Maximum value of SAR (measured) = 1.01 W/kg



Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 7 20M QPSK 50RB50 21350CH Right tilted Ant2

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

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

Medium: HSL2600; Medium parameters used: $f = 2560$ MHz; $\sigma = 1.954$ S/m; $\epsilon_r = 39.54$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Head/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.67 W/kg

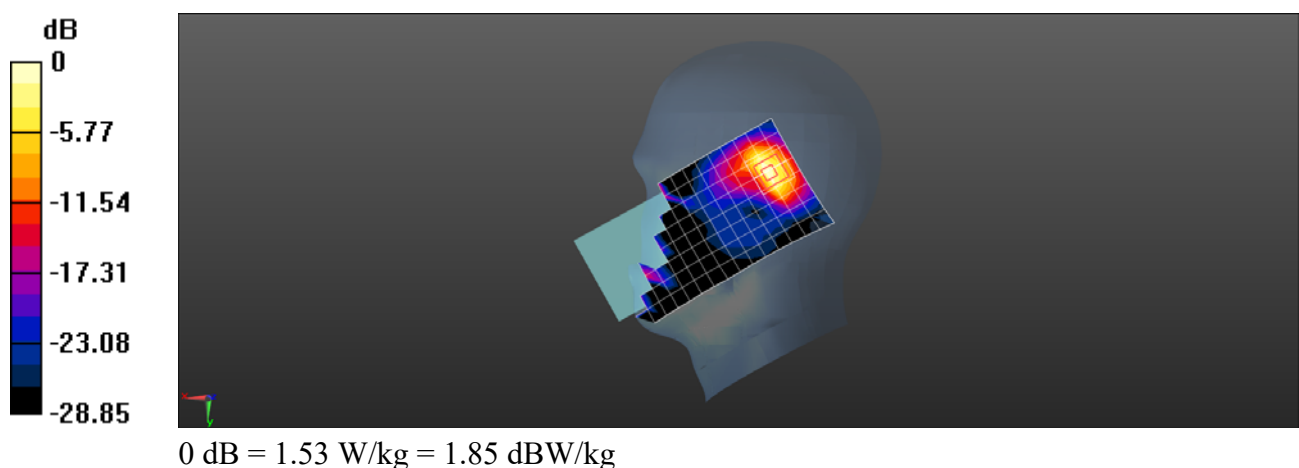
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.30 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.27 W/kg

SAR(1 g) = 0.923 W/kg; SAR(10 g) = 0.357 W/kg

Maximum value of SAR (measured) = 1.53 W/kg



Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 7 20M QPSK 1RB50 20850CH Back side 15mm Ant2

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: HSL2600; Medium parameters used: $f = 2510$ MHz; $\sigma = 1.893$ S/m; $\epsilon_r = 39.736$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

Maximum value of SAR (measured) = 0.646 W/kg

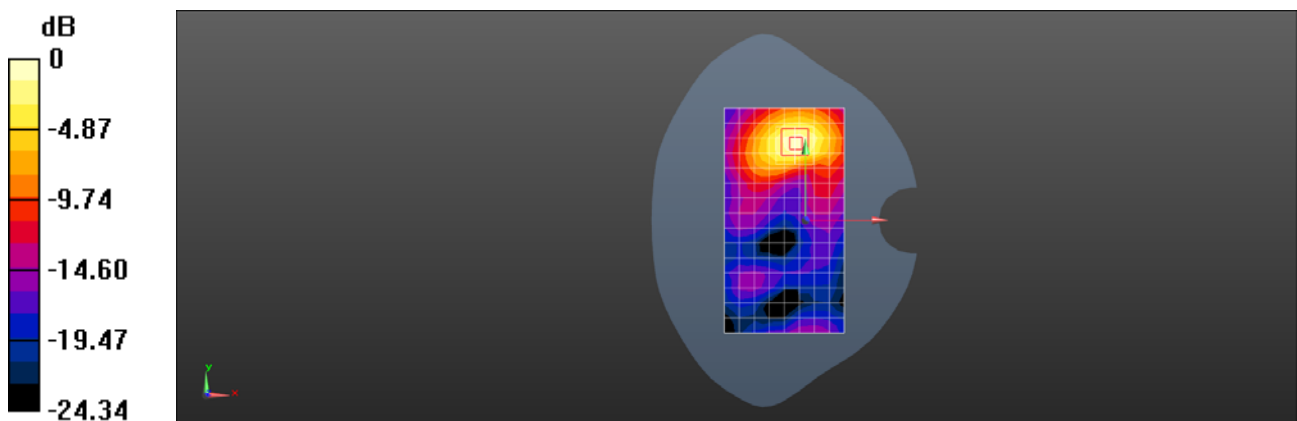
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.047 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.903 W/kg

SAR(1 g) = 0.462 W/kg; SAR(10 g) = 0.228 W/kg

Maximum value of SAR (measured) = 0.737 W/kg



0 dB = 0.737 W/kg = -1.33 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 7 20M QPSK 50RB50 21350CH Top side 10mm Ant2

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

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

Medium: HSL2600; Medium parameters used: $f = 2560$ MHz; $\sigma = 1.954$ S/m; $\epsilon_r = 39.54$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

Maximum value of SAR (measured) = 0.780 W/kg

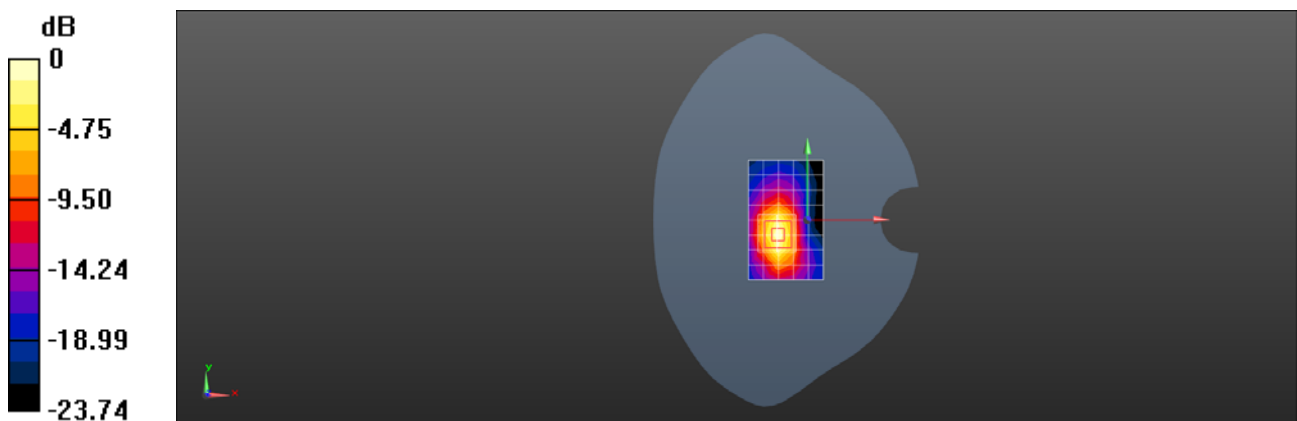
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.78 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.964 W/kg

SAR(1 g) = 0.444 W/kg; SAR(10 g) = 0.188 W/kg

Maximum value of SAR (measured) = 0.758 W/kg



0 dB = 0.758 W/kg = -1.20 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 7 20M QPSK 50RB0 21350CH Back side 0mm Ant2

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

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

Medium: HSL2600; Medium parameters used: $f = 2560$ MHz; $\sigma = 1.954$ S/m; $\epsilon_r = 39.54$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

Maximum value of SAR (measured) = 8.48 W/kg

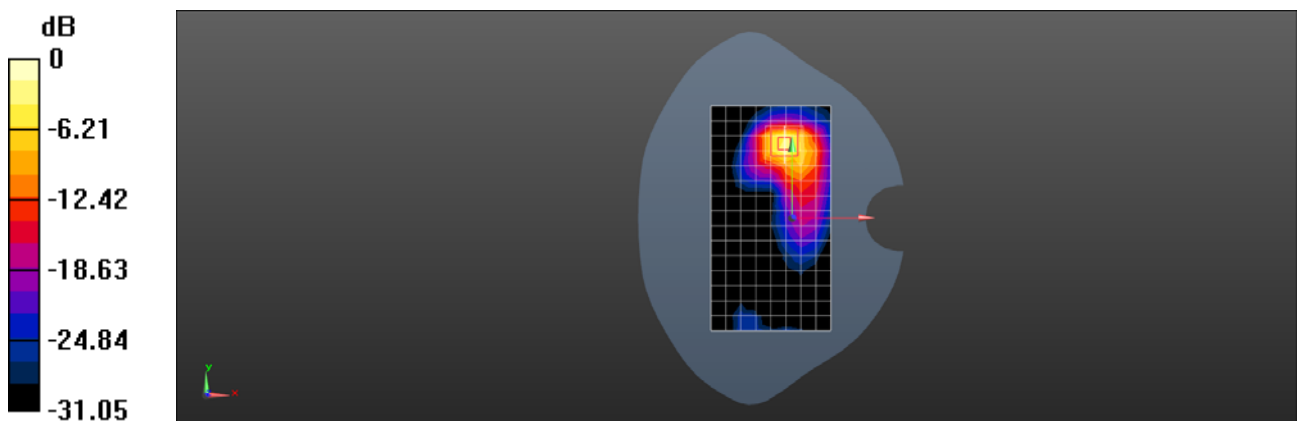
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.990 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 18.2 W/kg

SAR(1 g) = 6.42 W/kg; SAR(10 g) = 2.2 W/kg

Maximum value of SAR (measured) = 13.0 W/kg



0 dB = 13.0 W/kg = 11.14 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 38 20M QPSK 1RB50 37850CH Right cheek Ant1

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2580 MHz; Duty Cycle: 1:1.579

Medium: HSL2600; Medium parameters used: $f = 2580$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Head/Area Scan (9x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.273 W/kg

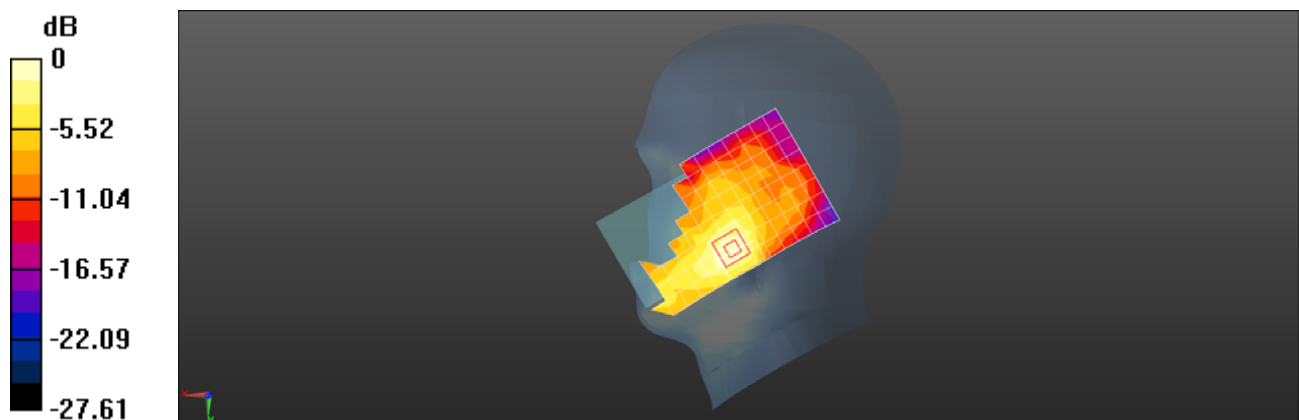
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.507 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.367 W/kg

SAR(1 g) = 0.206 W/kg; SAR(10 g) = 0.109 W/kg

Maximum value of SAR (measured) = 0.307 W/kg



0 dB = 0.307 W/kg = -5.13 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 38 20M QPSK 1RB50 37850CH Back side 15mm Ant1

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2580 MHz; Duty Cycle: 1:1.579

Medium: HSL2600; Medium parameters used: $f = 2580$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (9x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.272 W/kg

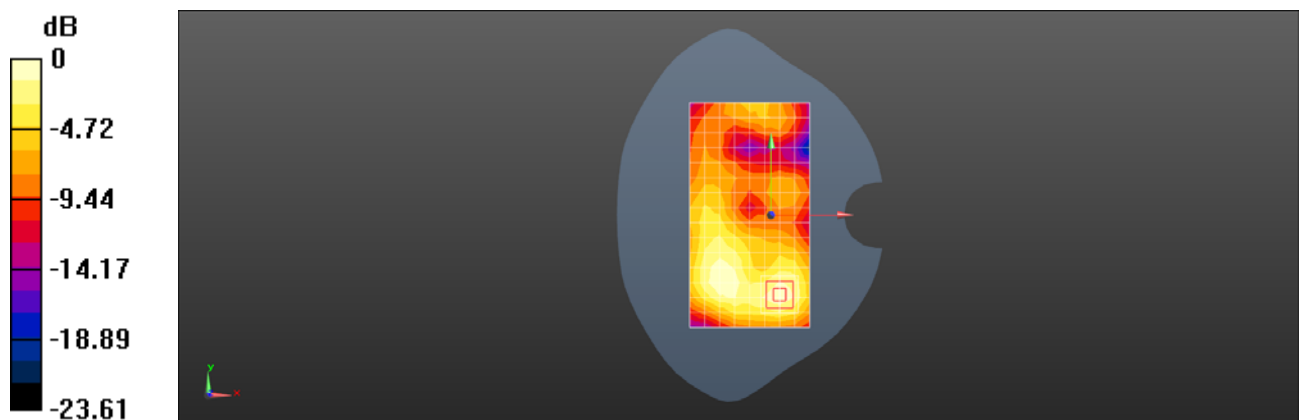
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.891 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.333 W/kg

SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.089 W/kg

Maximum value of SAR (measured) = 0.275 W/kg



0 dB = 0.275 W/kg = -5.61 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 38 20M QPSK 1RB50 37850CH Bottom side 10mm Ant1

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2580 MHz; Duty Cycle: 1:1.579

Medium: HSL2600; Medium parameters used: $f = 2580$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (6x11x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.532 W/kg

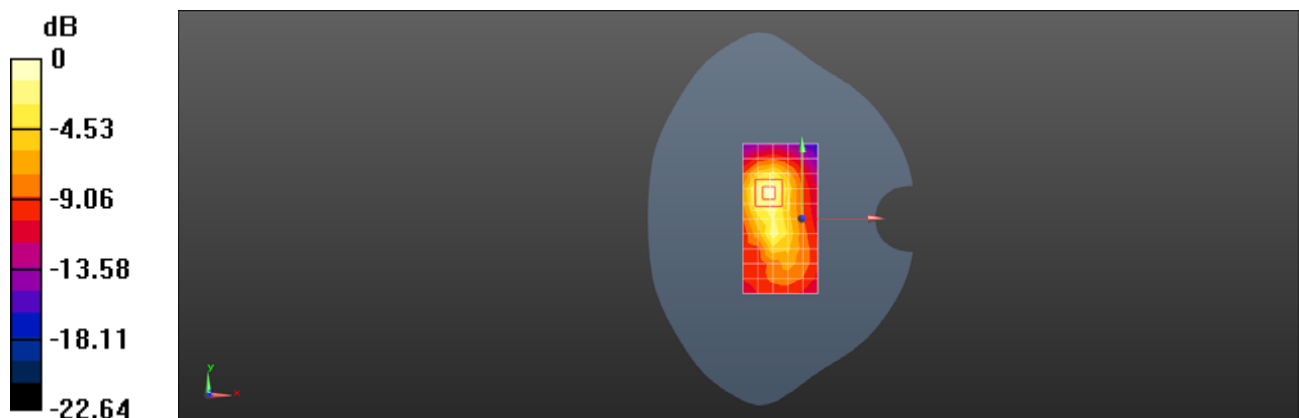
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.156 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.711 W/kg

SAR(1 g) = 0.354 W/kg; SAR(10 g) = 0.168 W/kg

Maximum value of SAR (measured) = 0.578 W/kg



0 dB = 0.578 W/kg = -2.38 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 38 20M QPSK 1RB50 38150CH Right tilted Ant2

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2610 MHz; Duty Cycle: 1:1.579

Medium: HSL2600; Medium parameters used: $f = 2610$ MHz; $\sigma = 1.997$ S/m; $\epsilon_r = 39.416$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Head/Area Scan (9x17x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 1.59 W/kg

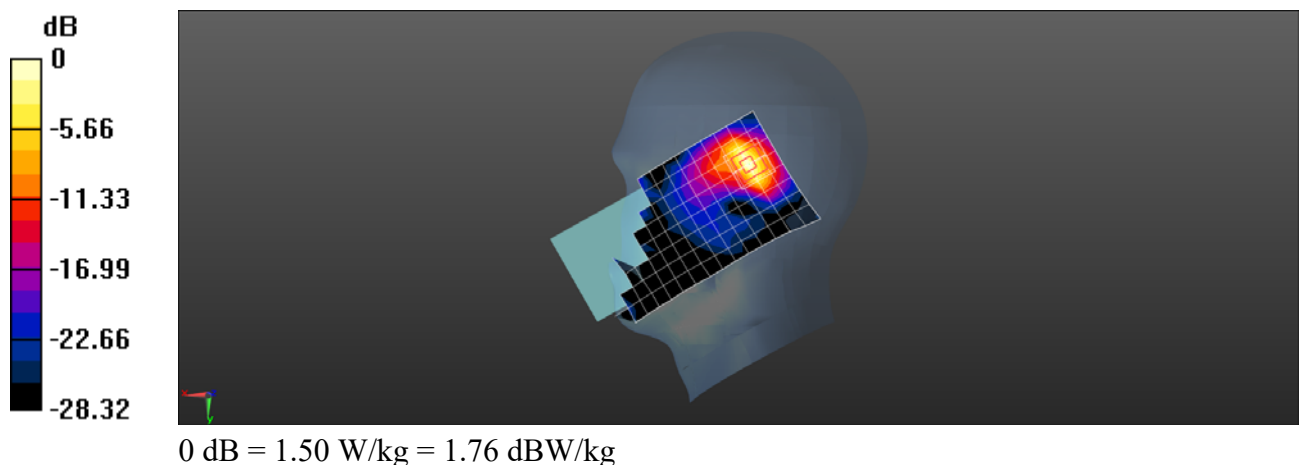
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.804 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.22 W/kg

SAR(1 g) = 0.892 W/kg; SAR(10 g) = 0.334 W/kg

Maximum value of SAR (measured) = 1.50 W/kg



Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 38 20M QPSK 1RB50 37850CH Back side 15mm Ant2

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2580 MHz; Duty Cycle: 1:1.579

Medium: HSL2600; Medium parameters used: $f = 2580$ MHz; $\sigma = 1.968$ S/m; $\epsilon_r = 39.477$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (9x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.674 W/kg

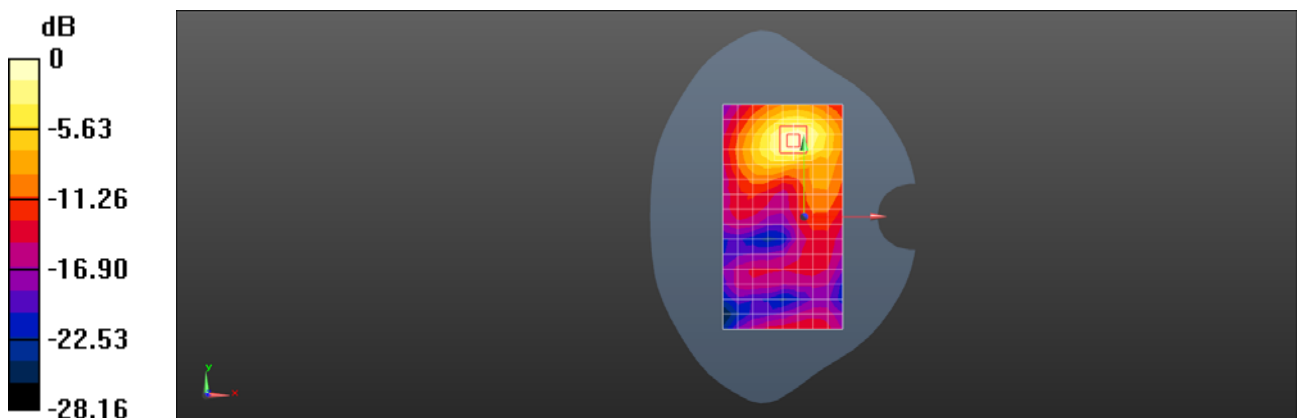
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.533 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.953 W/kg

SAR(1 g) = 0.482 W/kg; SAR(10 g) = 0.236 W/kg

Maximum value of SAR (measured) = 0.778 W/kg



0 dB = 0.778 W/kg = -1.09 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 38 20M QPSK 50RB50 38150CH Top side 10mm Ant2

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2610 MHz; Duty Cycle: 1:1.579

Medium: HSL2600; Medium parameters used: $f = 2610$ MHz; $\sigma = 1.997$ S/m; $\epsilon_r = 39.416$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (6x9x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.967 W/kg

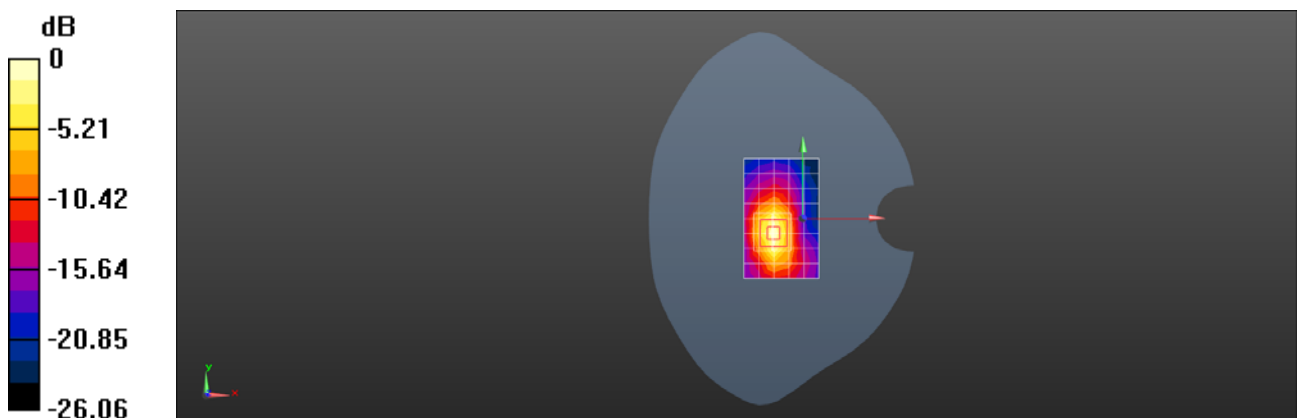
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.49 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.550 W/kg; SAR(10 g) = 0.232 W/kg

Maximum value of SAR (measured) = 0.953 W/kg



0 dB = 0.953 W/kg = -0.21 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 38 20M QPSK 1RB50 37850CH Top side 5mm Ant2

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2580 MHz; Duty Cycle: 1:1.579

Medium: HSL2600; Medium parameters used: $f = 2580$ MHz; $\sigma = 1.968$ S/m; $\epsilon_r = 39.477$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (6x9x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 8.11 W/kg

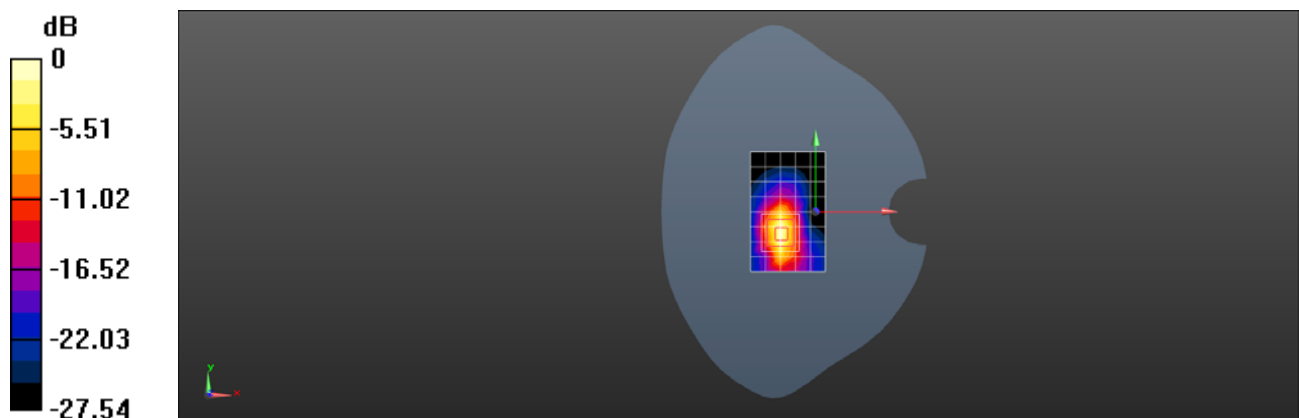
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.21 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 11.5 W/kg

SAR(1 g) = 4.8 W/kg; SAR(10 g) = 1.8 W/kg

Maximum value of SAR (measured) = 8.86 W/kg



0 dB = 8.86 W/kg = 9.47 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 41 20M QPSK 1RB99 40140CH Right cheek Ant1

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2545 MHz; Duty Cycle: 1:1.579

Medium: HSL2600; Medium parameters used: $f = 2545$ MHz; $\sigma = 1.913$ S/m; $\epsilon_r = 40.606$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Head/Area Scan (9x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.211 W/kg

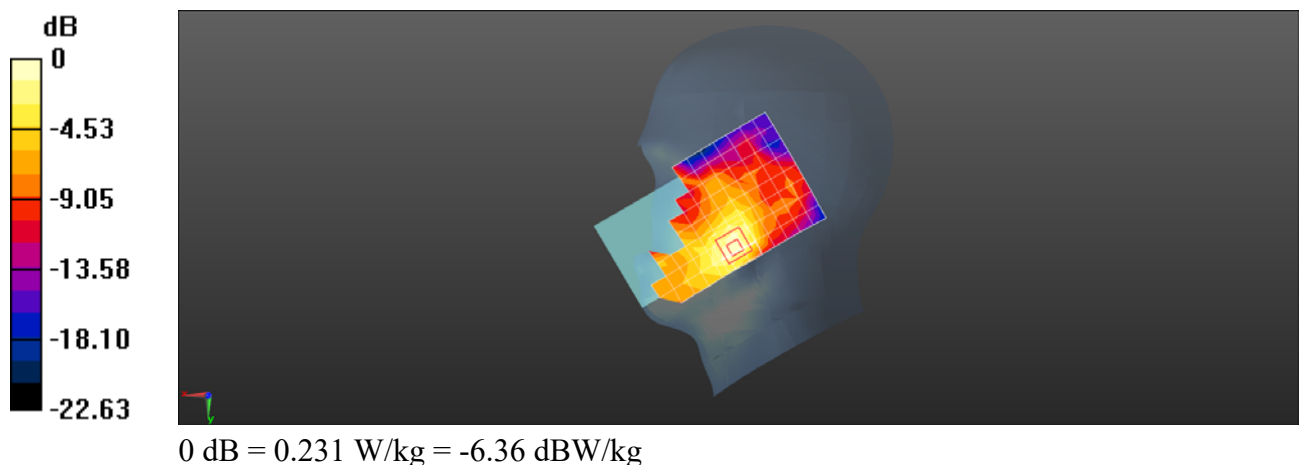
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.300 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.288 W/kg

SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.081 W/kg

Maximum value of SAR (measured) = 0.231 W/kg



Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 41 20M QPSK 1RB99 40140CH Back side 15mm Ant1

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2545 MHz; Duty Cycle: 1:1.579

Medium: HSL2600; Medium parameters used: $f = 2545$ MHz; $\sigma = 1.913$ S/m; $\epsilon_r = 40.606$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (9x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.270 W/kg

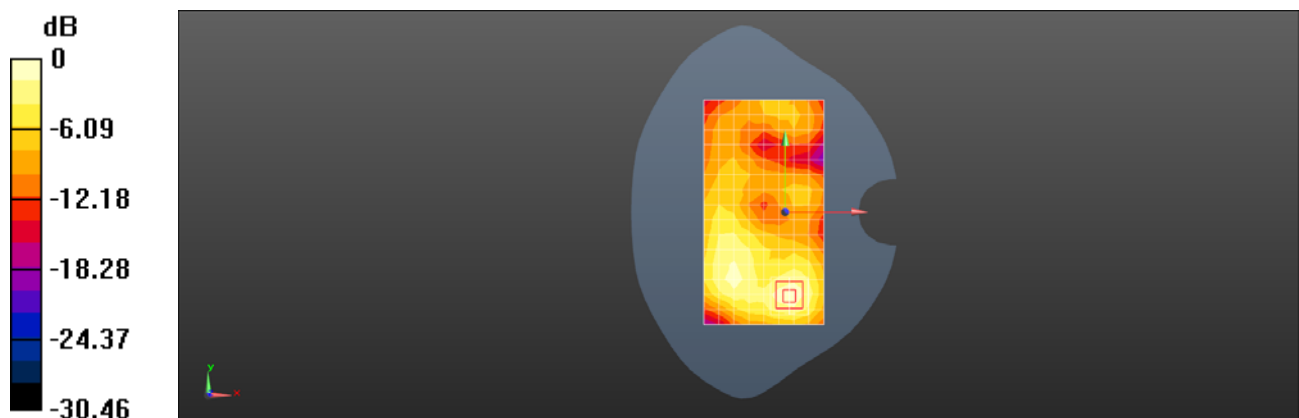
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.350 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.344 W/kg

SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.090 W/kg

Maximum value of SAR (measured) = 0.285 W/kg



0 dB = 0.285 W/kg = -5.45 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 41 20M QPSK 1RB99 40140CH Back side 10mm Ant1

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2545 MHz; Duty Cycle: 1:1.579

Medium: HSL2600; Medium parameters used: $f = 2545$ MHz; $\sigma = 1.913$ S/m; $\epsilon_r = 40.606$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (9x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.514 W/kg

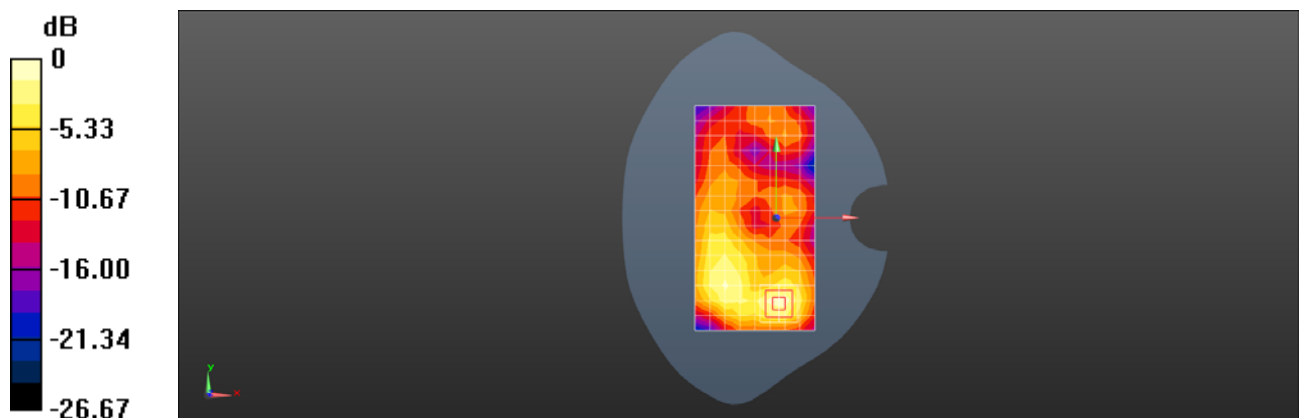
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.947 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.711 W/kg

SAR(1 g) = 0.353 W/kg; SAR(10 g) = 0.163 W/kg

Maximum value of SAR (measured) = 0.583 W/kg



0 dB = 0.583 W/kg = -2.34 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 41 20M QPSK 1RB50 40473CH Right tilted Ant2

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2578.3 MHz; Duty Cycle: 1:1.579

Medium: HSL2600; Medium parameters used (interpolated): $f = 2578.3$ MHz; $\sigma = 1.967$ S/m; $\epsilon_r = 39.486$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Head/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.20 W/kg

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

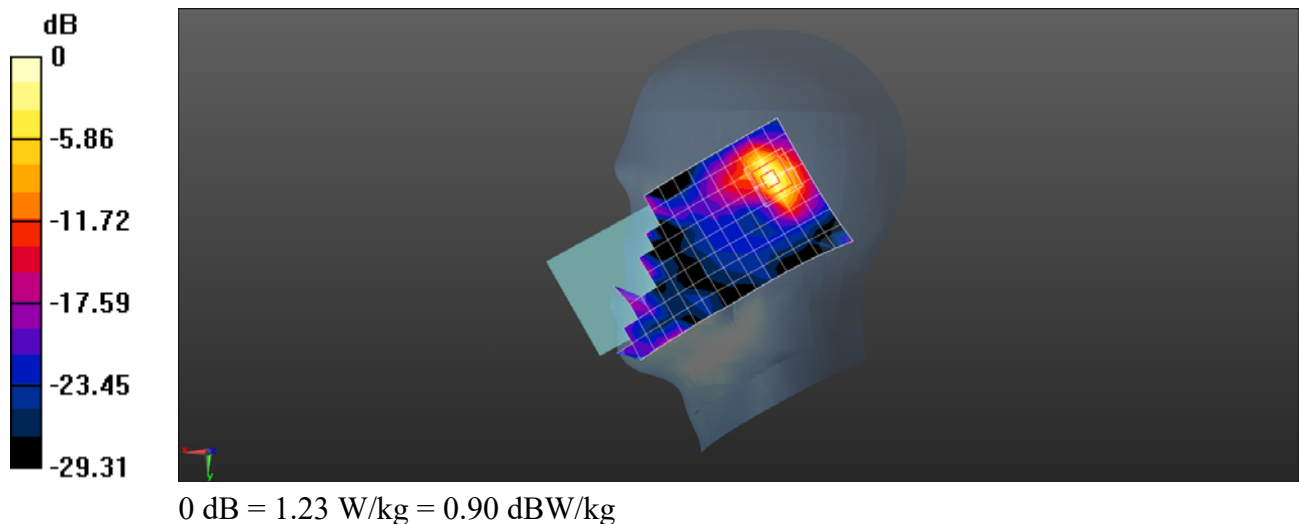
Reference Value = 9.901 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.698 W/kg; SAR(10 g) = 0.267 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.23 W/kg



Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 41 20M QPSK 1RB50 40807CH Back side 15mm Ant2

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2611.7 MHz; Duty Cycle: 1:1.579

Medium: HSL2600; Medium parameters used: $f = 2612$ MHz; $\sigma = 2.014$ S/m; $\epsilon_r = 39.339$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (9x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.640 W/kg

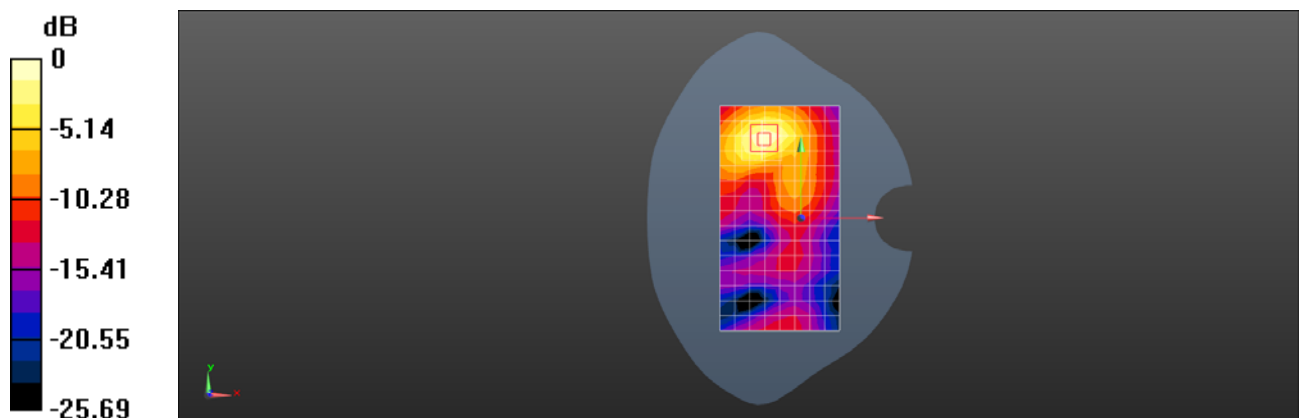
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.032 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.827 W/kg

SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.212 W/kg

Maximum value of SAR (measured) = 0.674 W/kg



0 dB = 0.674 W/kg = -1.71 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 41 20M QPSK 1RB50 40473CH Top side 10mm Ant2

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2578.3 MHz; Duty Cycle: 1:1.579

Medium: HSL2600; Medium parameters used (interpolated): $f = 2578.3$ MHz; $\sigma = 1.967$ S/m; $\epsilon_r = 39.486$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.847 W/kg

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

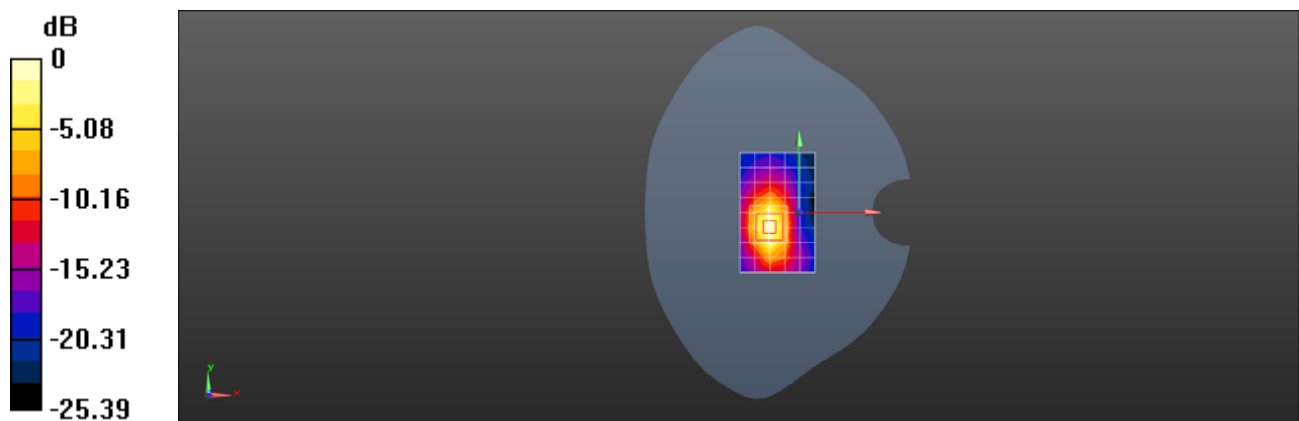
Reference Value = 11.14 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.489 W/kg; SAR(10 g) = 0.208 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.825 W/kg



0 dB = 0.825 W/kg = -0.84 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 LTE Band 41 20M QPSK 1RB50 40807CH Top side 5mm Ant2

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2611.7 MHz; Duty Cycle: 1:1.579

Medium: HSL2600; Medium parameters used: $f = 2612$ MHz; $\sigma = 2.014$ S/m; $\epsilon_r = 39.339$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (6x9x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 8.38 W/kg

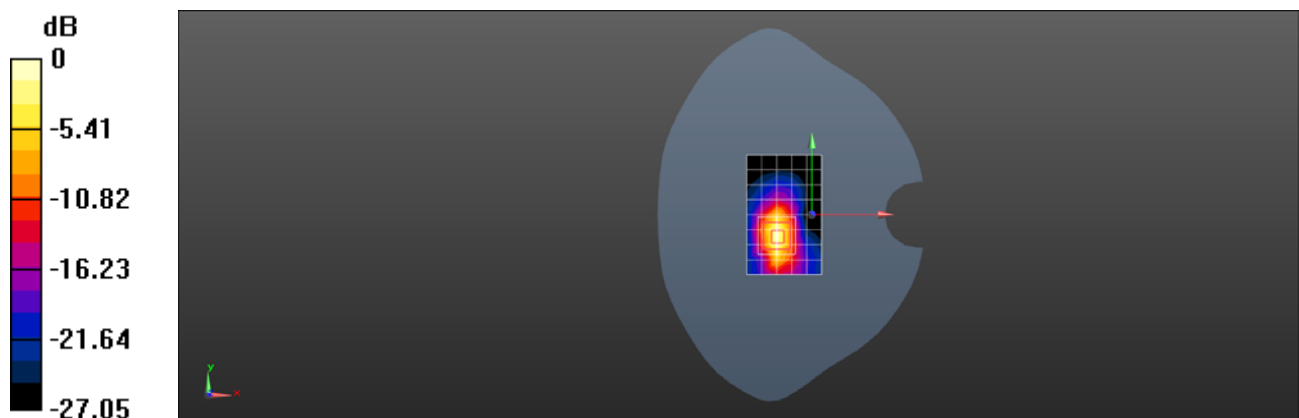
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 14.71 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 12.0 W/kg

SAR(1 g) = 4.97 W/kg; SAR(10 g) = 1.86 W/kg

Maximum value of SAR (measured) = 9.17 W/kg



0 dB = 9.17 W/kg = 9.62 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 WIFI 2.4G 802.11b 11CH Left cheek

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2462 MHz;Duty Cycle: 1:1.011

Medium: HSL2450;Medium parameters used: $f = 2462$ MHz; $\sigma = 1.814$ S/m; $\epsilon_r = 40.145$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.87, 7.87, 7.87); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Head/Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.884 W/kg

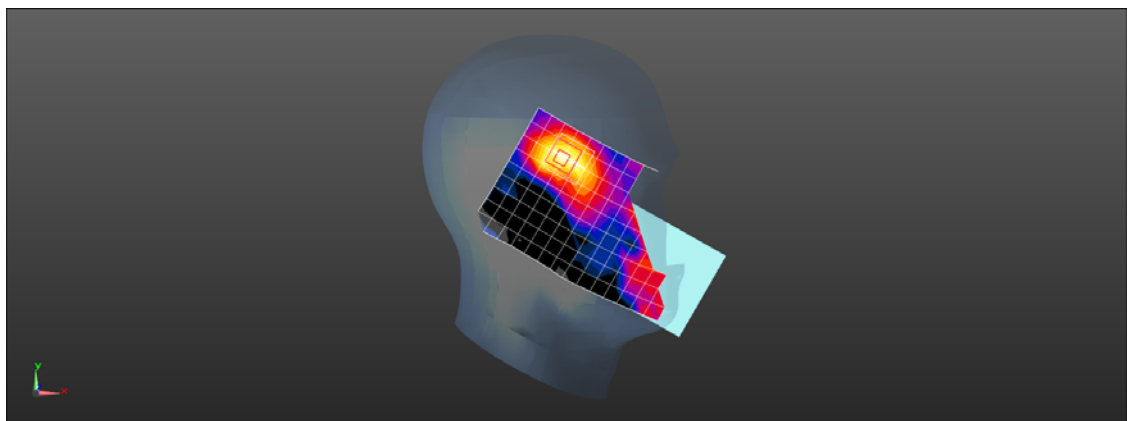
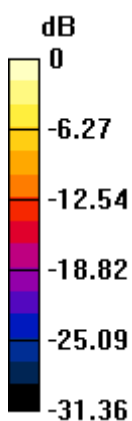
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.470 W/kg; SAR(10 g) = 0.182 W/kg

Maximum value of SAR (measured) = 0.808 W/kg



0 dB = 0.808 W/kg = -0.93 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 WIFI 2.4G 802.11b 6CH Back side 15mm

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz; Duty Cycle: 1:1.011

Medium: HSL2450; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.788$ S/m; $\epsilon_r = 40.207$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.87, 7.87, 7.87); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

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

Maximum value of SAR (measured) = 0.200 W/kg

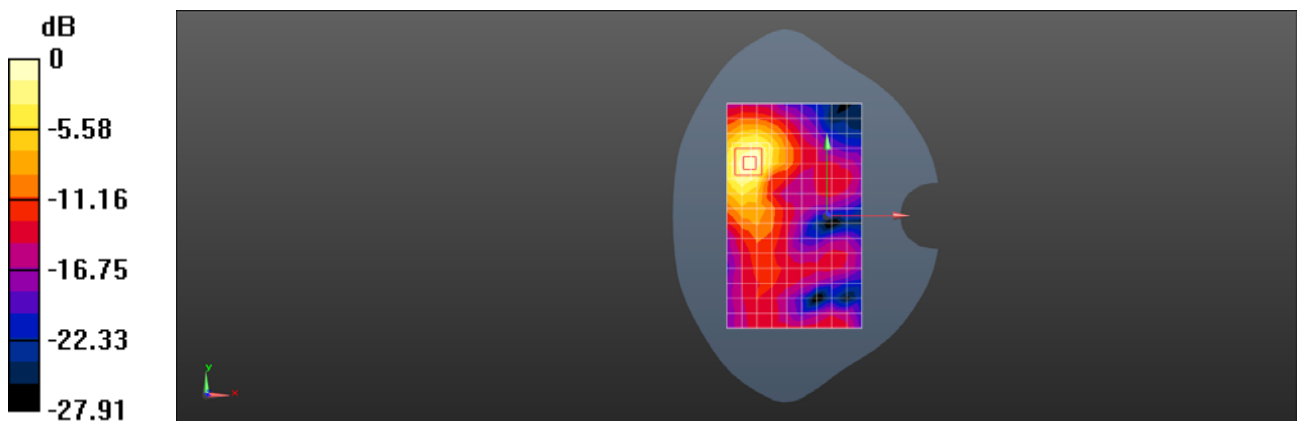
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.448 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.279 W/kg

SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.077 W/kg

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



0 dB = 0.232 W/kg = -6.35 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 WIFI 2.4G 802.11b 6CH Right side 10mm

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz;Duty Cycle: 1:1.011

Medium: HSL2450;Medium parameters used: $f = 2437$ MHz; $\sigma = 1.788$ S/m; $\epsilon_r = 40.207$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.87, 7.87, 7.87); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Body/Area Scan (6x16x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.955 W/kg

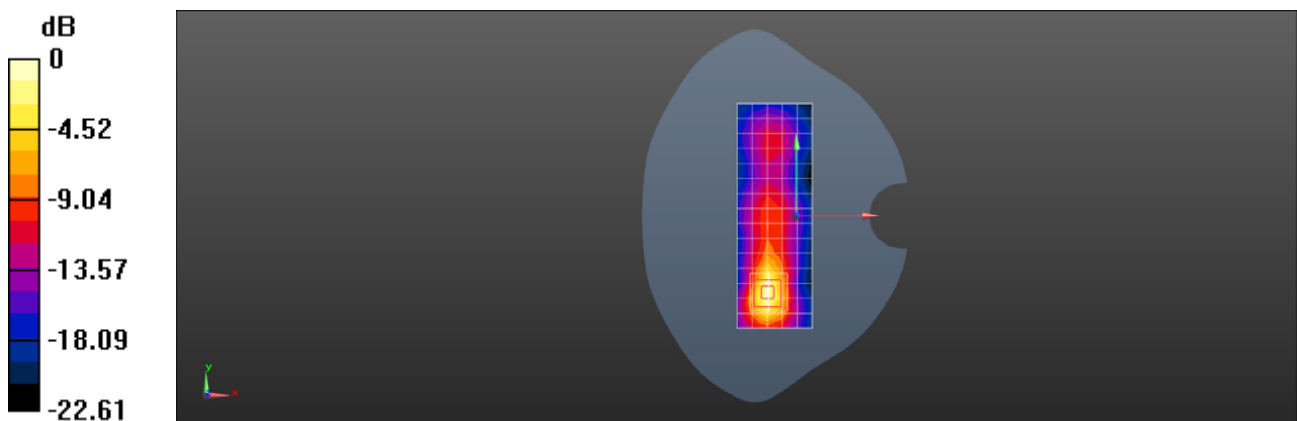
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.288 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.274 W/kg

Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg = 0.13 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 5G WIFI 802.11n 40M 62CH Left cheek

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5310 MHz;Duty Cycle: 1:1.131

Medium: HSL5G;Medium parameters used: $f = 5310$ MHz; $\sigma = 4.767$ S/m; $\epsilon_r = 35.36$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(5.34, 5.34, 5.34); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 1; Type: SAM; Serial: 1640
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Head/Area Scan (10x20x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.619 W/kg

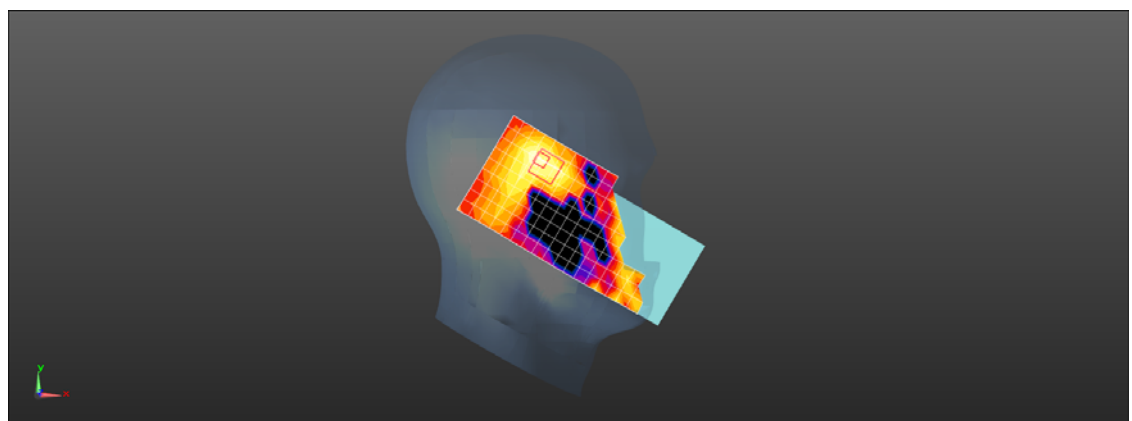
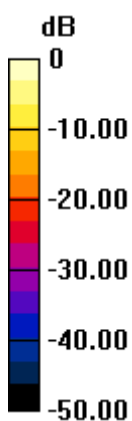
Configuration/Head/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.584 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.051 W/kg

Maximum value of SAR (measured) = 0.629 W/kg



0 dB = 0.629 W/kg = -2.01 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 5G WIFI 802.11n 40M 62CH Back side 15mm

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5310 MHz;Duty Cycle: 1:1.131

Medium: HSL5G;Medium parameters used: $f = 5310 \text{ MHz}$; $\sigma = 4.767 \text{ S/m}$; $\epsilon_r = 35.36$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(5.34, 5.34, 5.34); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 1; Type: SAM; Serial: 1640
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Head/Area Scan (11x20x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.0957 W/kg

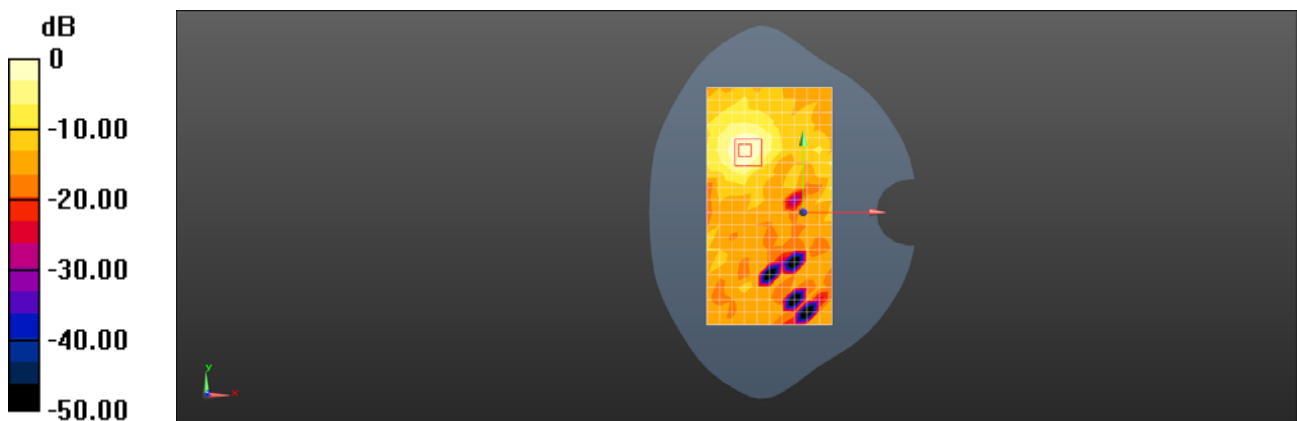
Configuration/Head/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 0.9260 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.141 W/kg

SAR(1 g) = 0.043 W/kg ; SAR(10 g) = 0.015 W/kg

Maximum value of SAR (measured) = 0.0922 W/kg



0 dB = 0.0922 W/kg = -10.35 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 5G WIFI 802.11n 40M 46CH Back side 10mm

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5230 MHz;Duty Cycle: 1:1.131

Medium: HSL5G;Medium parameters used: $f = 5230 \text{ MHz}$; $\sigma = 4.696 \text{ S/m}$; $\epsilon_r = 35.664$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(5.34, 5.34, 5.34); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 1; Type: SAM; Serial: 1640
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Head/Area Scan (11x20x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.156 W/kg

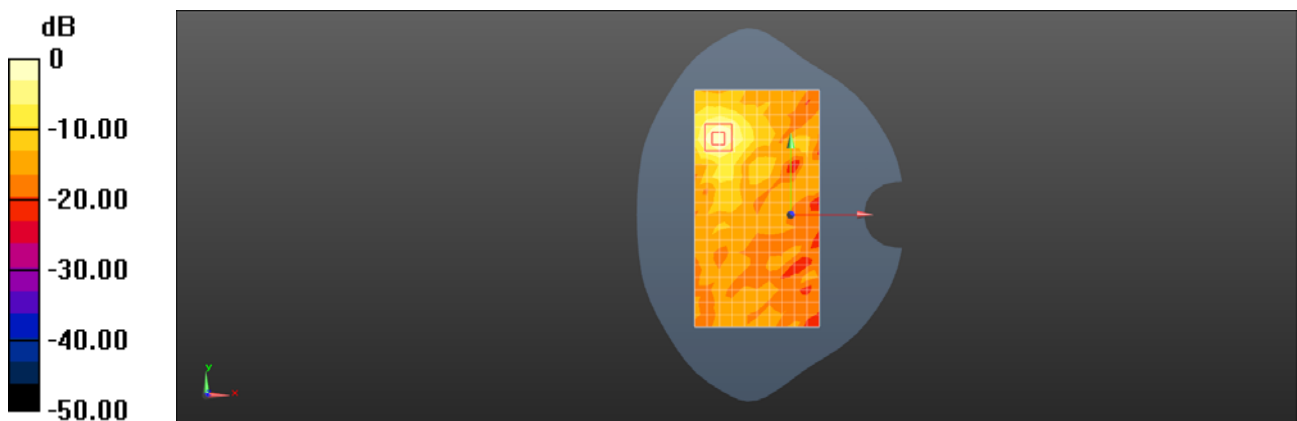
Configuration/Head/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 0.8050 V/m ; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.241 W/kg

SAR(1 g) = 0.069 W/kg ; SAR(10 g) = 0.022 W/kg

Maximum value of SAR (measured) = 0.158 W/kg



0 dB = $0.158 \text{ W/kg} = -8.01 \text{ dBW/kg}$

Test Laboratory: SGS-SAR Lab

vivo 1938 5G WIFI 802.11n 40M 62CH Right side 0mm

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5310 MHz;Duty Cycle: 1:1.131

Medium: HSL5G;Medium parameters used: $f = 5310$ MHz; $\sigma = 4.767$ S/m; $\epsilon_r = 35.36$; $\rho = 1000$ 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: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 1; Type: SAM; Serial: 1640
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Head/Area Scan (8x20x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.18 W/kg

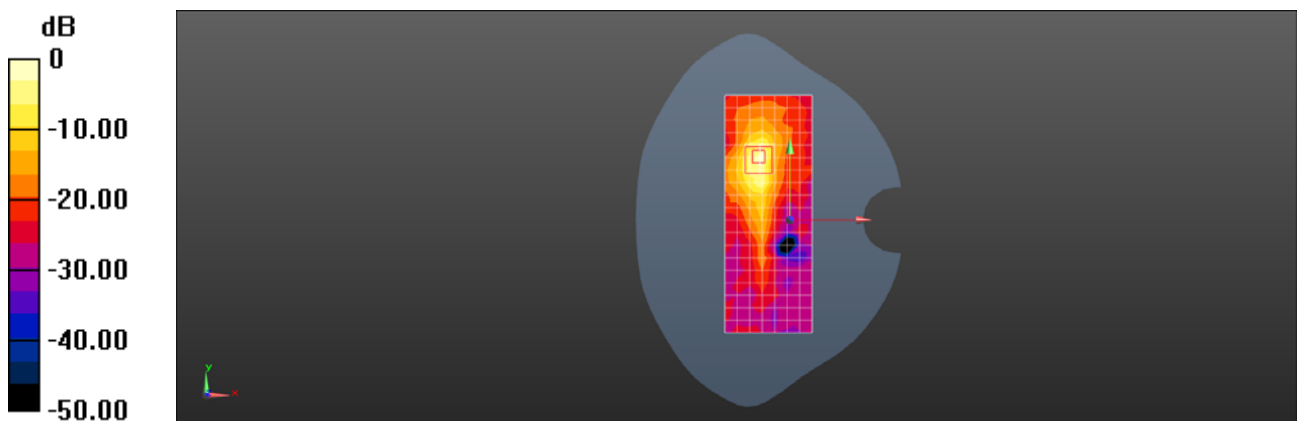
Configuration/Head/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.706 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.64 W/kg

SAR(1 g) = 0.503 W/kg; SAR(10 g) = 0.134 W/kg

Maximum value of SAR (measured) = 1.45 W/kg



0 dB = 1.45 W/kg = 1.61 dBW/kg

Test Laboratory: SGS-SAR Lab

vivo 1938 Bluetooth DH5 39CH Left cheek

DUT: VIVO 1938; Type: Mobile phone; Serial: 868834040000026

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.304

Medium: HSL2450; Medium parameters used: $f = 2441$ MHz; $\sigma = 1.793$ S/m; $\epsilon_r = 40.198$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3923; ConvF(7.87, 7.87, 7.87); Calibrated: 2019-10-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: SAM 2; Type: SAM; Serial: 1913
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

Configuration/Head/Area Scan (10x17x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.220 W/kg

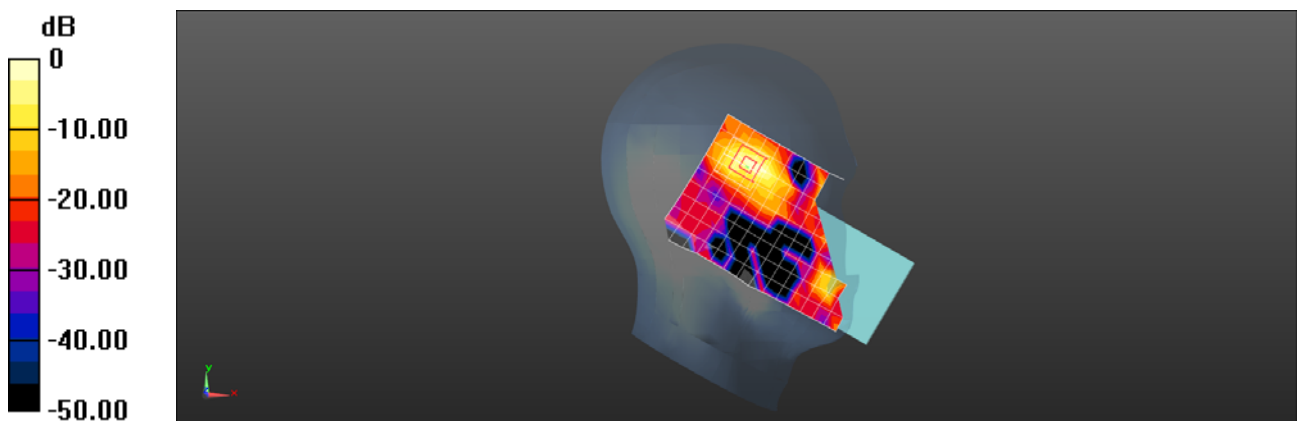
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0.6960 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.305 W/kg

SAR(1 g) = 0.123 W/kg; SAR(10 g) = 0.047 W/kg

Maximum value of SAR (measured) = 0.225 W/kg



0 dB = 0.225 W/kg = -6.48 dBW/kg