

Appendix B

Detailed Test Results

1. GSM
GSM850 for Head & Body
GSM1900 for Head & Body
2. WCDMA
WCDMA Band II for Head & Body
WCDMA Band IV for Head & Body
WCDMA Band V for Head & Body
3. 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
4. WIFI
WIFI 2.4G for Head & Body
5. BT
BT for Head & Body

Test Laboratory: SGS-SAR Lab

TA-1391 GSM850 GSM 190CH Right cheek

DUT: TA-1391; Type: Smart Phone; Serial: 354632880012150

Communication System: UID 0, GSM Only Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: HSL835; Medium parameters used: $f = 837$ MHz; $\sigma = 0.922$ S/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7620; ConvF(10.85, 10.85, 10.85); Calibrated: 2021-02-05
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2020-10-20
- Phantom: SAM6; Type: SAM; Serial: 1824
- DASY52 52.8.8(1258); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.328 W/kg

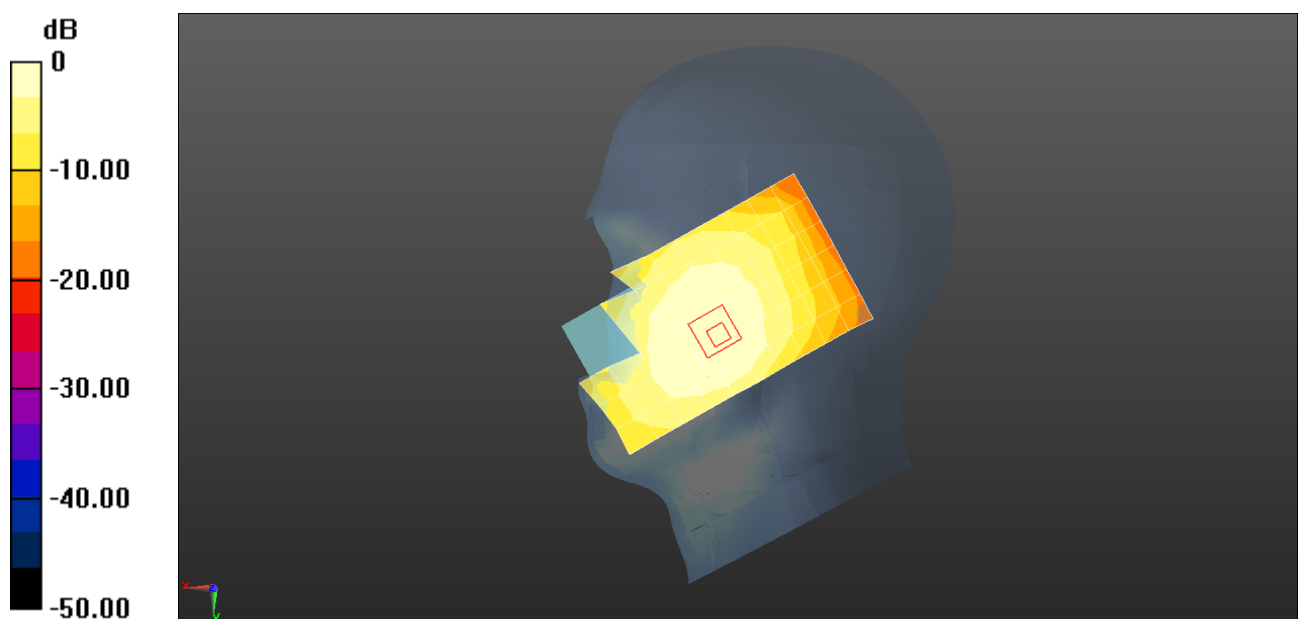
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.616 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.378 W/kg

SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.221 W/kg

Maximum value of SAR (measured) = 0.349 W/kg



Test Laboratory: SGS-SAR Lab

TA-1391 GSM850 GSM 190CH Back side 10mm

DUT: TA-1391; Type: Smart Phone; Serial: 354632880012150

Communication System: UID 0, GSM Only Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: HSL835; Medium parameters used: $f = 837$ MHz; $\sigma = 0.922$ S/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7620; ConvF(10.85, 10.85, 10.85); Calibrated: 2021-02-05
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2020-10-20
- Phantom: SAM6; Type: SAM; Serial: 1824
- DASY52 52.8.8(1258); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.443 W/kg

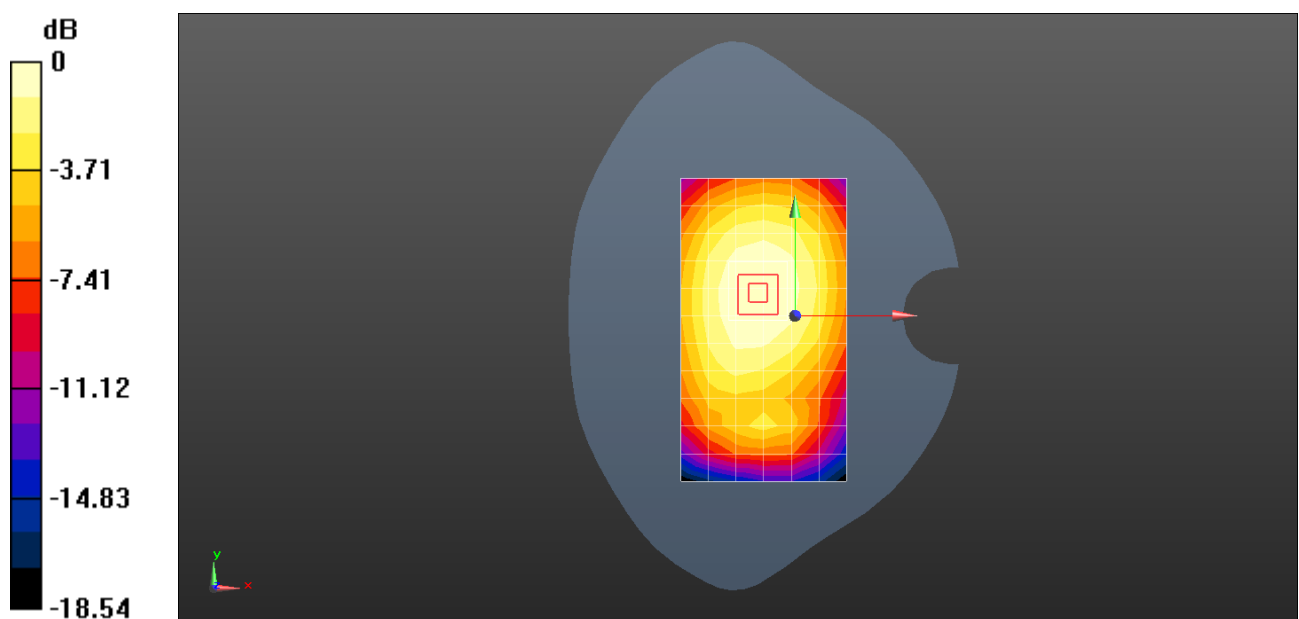
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.16 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.475 W/kg

SAR(1 g) = 0.376 W/kg; SAR(10 g) = 0.283 W/kg

Maximum value of SAR (measured) = 0.445 W/kg



Test Laboratory: SGS-SAR Lab

TA-1391 GSM850 GPRS 4TS 190CH Back side 10mm

DUT: TA-1391; Type: Smart Phone; Serial: 354632880012150

Communication System: UID 0, GPRS/EGPRS Mode(4up) Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium: HSL835; Medium parameters used: $f = 837$ MHz; $\sigma = 0.922$ S/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7620; ConvF(10.85, 10.85, 10.85); Calibrated: 2021-02-05
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2020-10-20
- Phantom: SAM6; Type: SAM; Serial: 1824
- DASY52 52.8.8(1258); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.418 W/kg

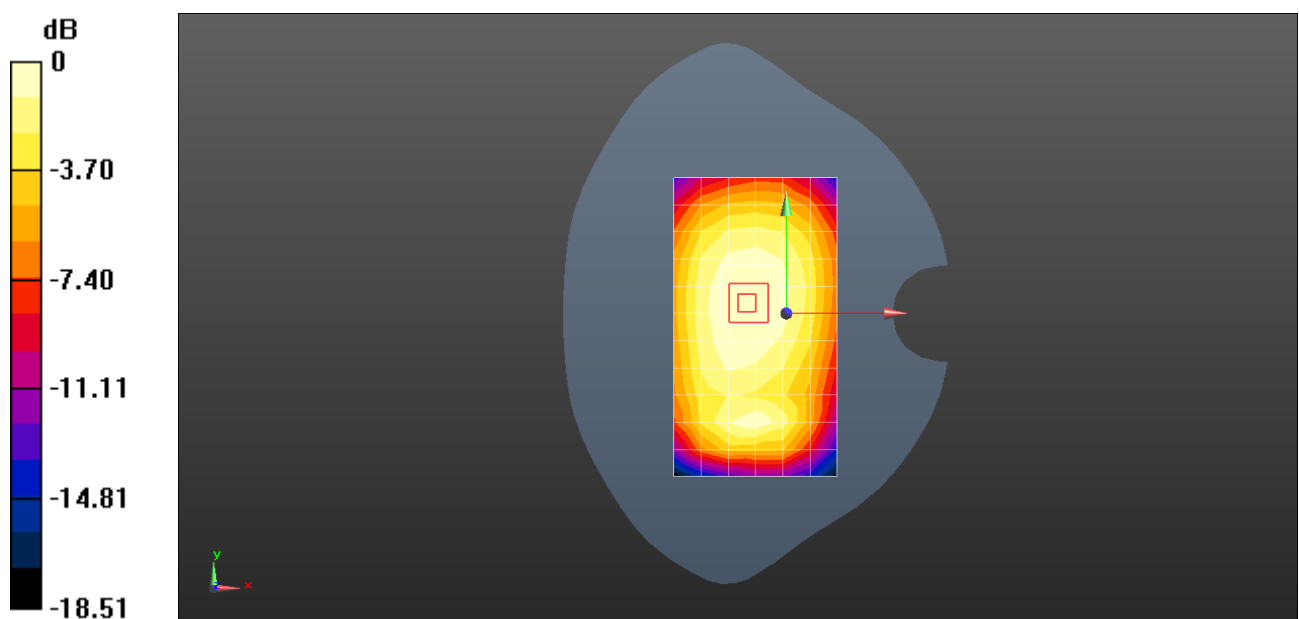
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.05 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.448 W/kg

SAR(1 g) = 0.354 W/kg; SAR(10 g) = 0.269 W/kg

Maximum value of SAR (measured) = 0.419 W/kg



Test Laboratory: SGS-SAR Lab

TA-1391 GSM 1900 GSM 661CH Right cheek

DUT: TA-1391; Type: Smart Phone; Serial: PT19545EA1131700487

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

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.372$ S/m; $\epsilon_r = 41.693$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(5.2, 5.2, 5.2); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 10; Type: SAM; Serial: 1563
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.223 W/kg

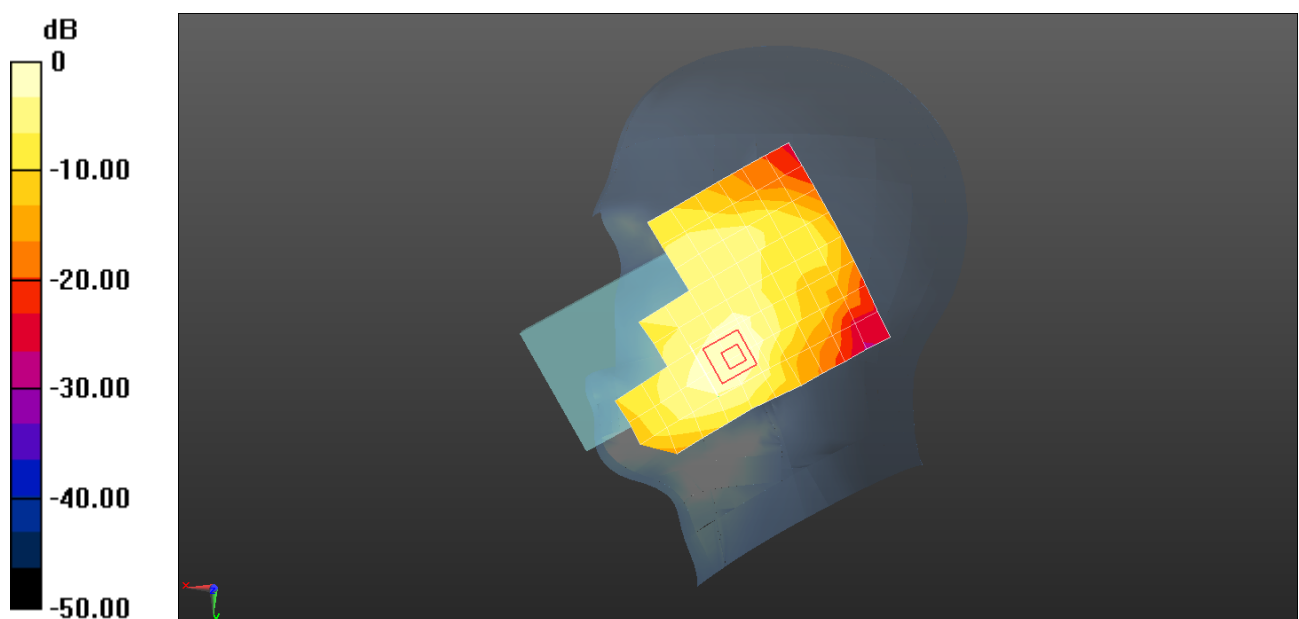
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.929 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.314 W/kg

SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.130 W/kg

Maximum value of SAR (measured) = 0.227 W/kg



Test Laboratory: SGS-SAR Lab

TA-1391 GSM1900 GSM 661CH Back side 10mm

DUT: TA-1391; Type: Smart Phone; Serial: 354632880012150

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; $\sigma = 1.372$ S/m; $\epsilon_r = 41.693$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(5.2, 5.2, 5.2); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 10; Type: SAM; Serial: 1563
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.533 W/kg

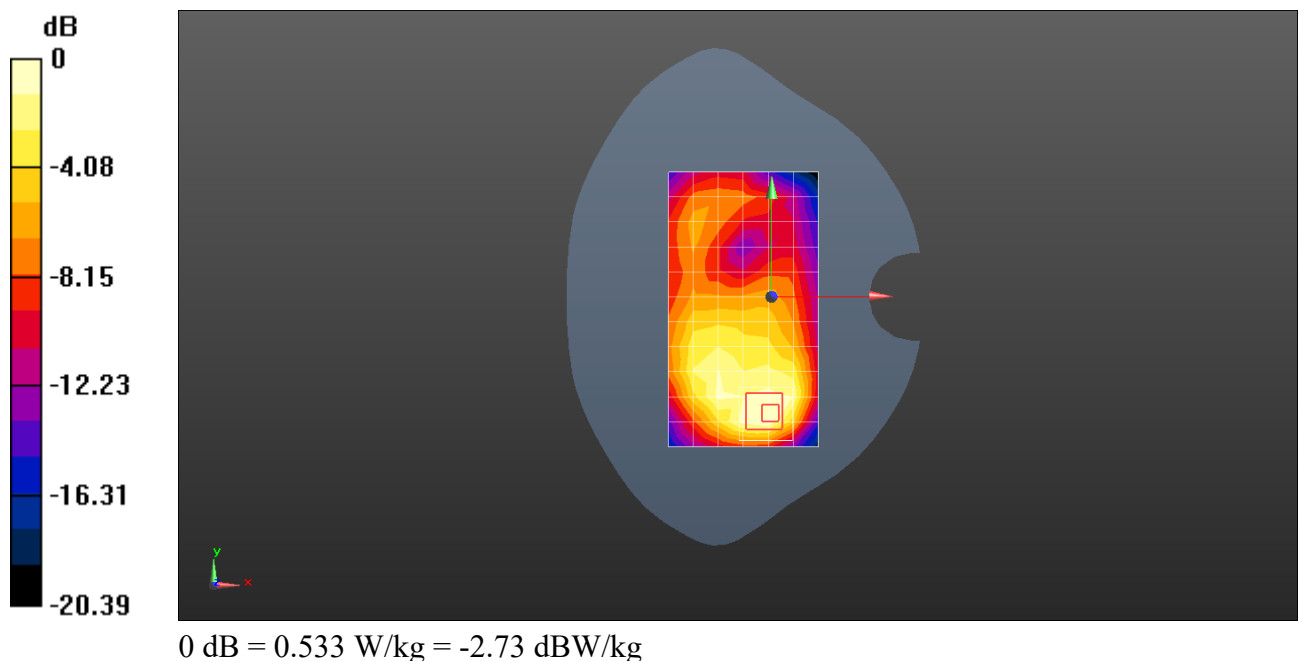
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.975 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.820 W/kg

SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.219 W/kg

Maximum value of SAR (measured) = 0.639 W/kg



Test Laboratory: SGS-SAR Lab

TA-1391 GSM1900 GPRS 3TS 661CH Bottom side 10mm

DUT: TA-1391; Type: Smart Phone; Serial: PT19545EA1131700487

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

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.372$ S/m; $\epsilon_r = 41.693$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(5.2, 5.2, 5.2); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 10; Type: SAM; Serial: 1563
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (5x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.497 W/kg

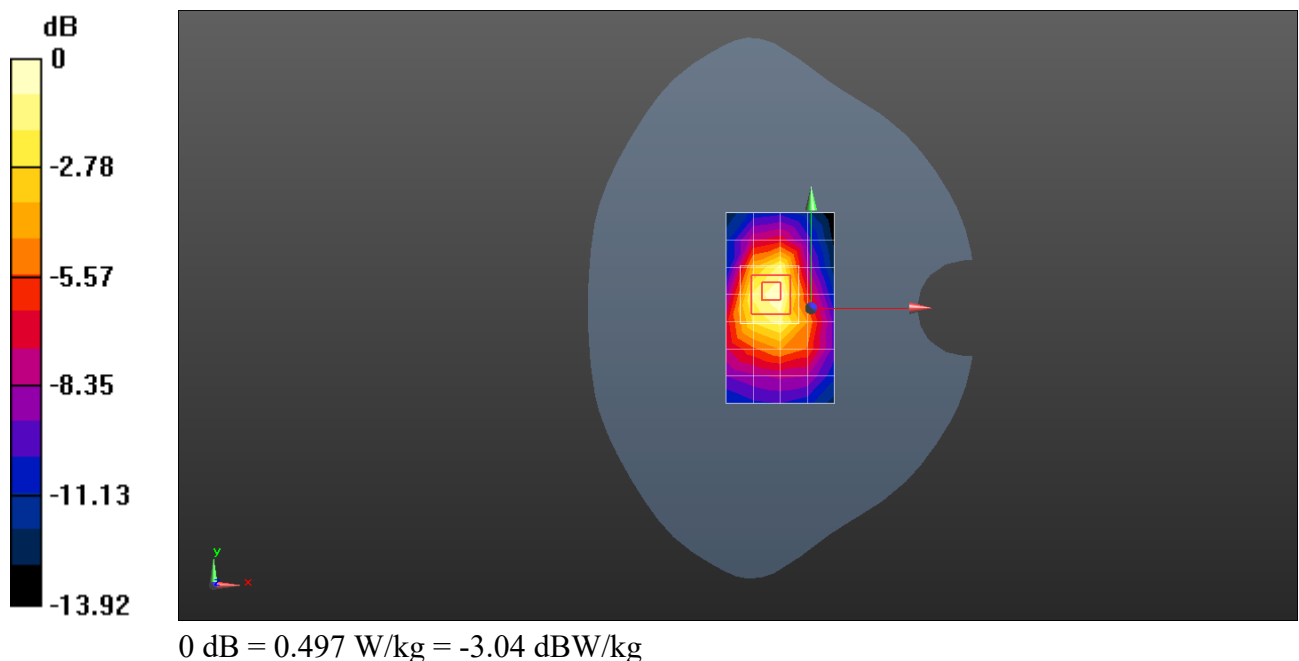
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 17.31 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.873 W/kg

SAR(1 g) = 0.472 W/kg; SAR(10 g) = 0.242 W/kg

Maximum value of SAR (measured) = 0.600 W/kg



Test Laboratory: SGS-SAR Lab

TA-1391 WCDMA Band II 9400CH Right cheek

DUT: TA-1391; Type: Smart Phone; Serial: PT19545EA1131700487

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

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.372$ S/m; $\epsilon_r = 41.693$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(5.2, 5.2, 5.2); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 10; Type: SAM; Serial: 1563
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.445 W/kg

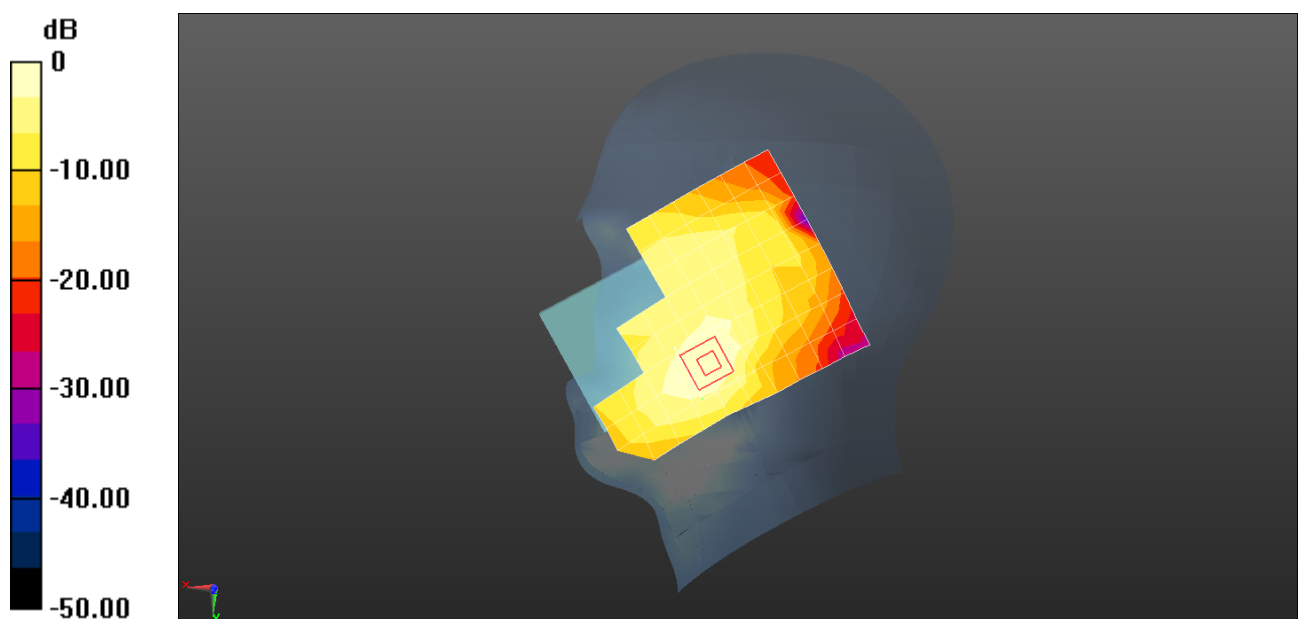
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.659 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.617 W/kg

SAR(1 g) = 0.415 W/kg; SAR(10 g) = 0.259 W/kg

Maximum value of SAR (measured) = 0.445 W/kg



0 dB = 0.445 W/kg = -3.52 dBW/kg

Test Laboratory: SGS-SAR Lab

TA-1391 WCDMA Band II 9400CH Back side 10mm

DUT: TA-1391; Type: Smart Phone; Serial: PT19545EA1131700487

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

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.372$ S/m; $\epsilon_r = 41.693$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(5.2, 5.2, 5.2); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 10; Type: SAM; Serial: 1563
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (measured) = 0.759 W/kg

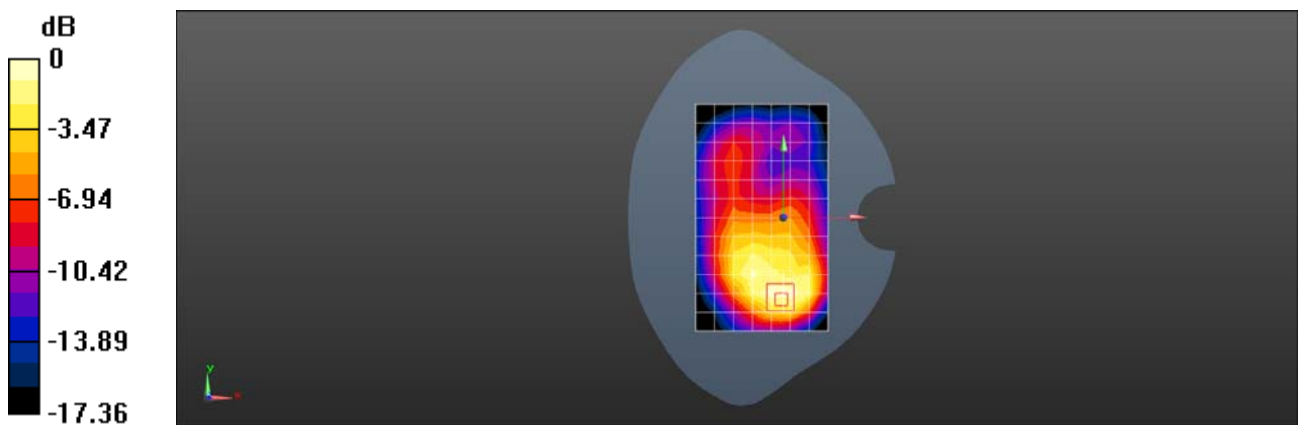
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 11.49 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.639 W/kg; SAR(10 g) = 0.356 W/kg

Maximum value of SAR (measured) = 0.802 W/kg



0 dB = 0.802 W/kg = -0.96 dBW/kg

Test Laboratory: SGS-SAR Lab

TA-1391 WCDMA Band II 9538CH Bottom side 10mm

DUT: TA-1391; Type: Smart Phone; Serial: PT19545EA1131700487

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

Medium: HSL1900; Medium parameters used: $f = 1908$ MHz; $\sigma = 1.378$ S/m; $\epsilon_r = 41.568$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(5.2, 5.2, 5.2); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 10; Type: SAM; Serial: 1563
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (5x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.841 W/kg

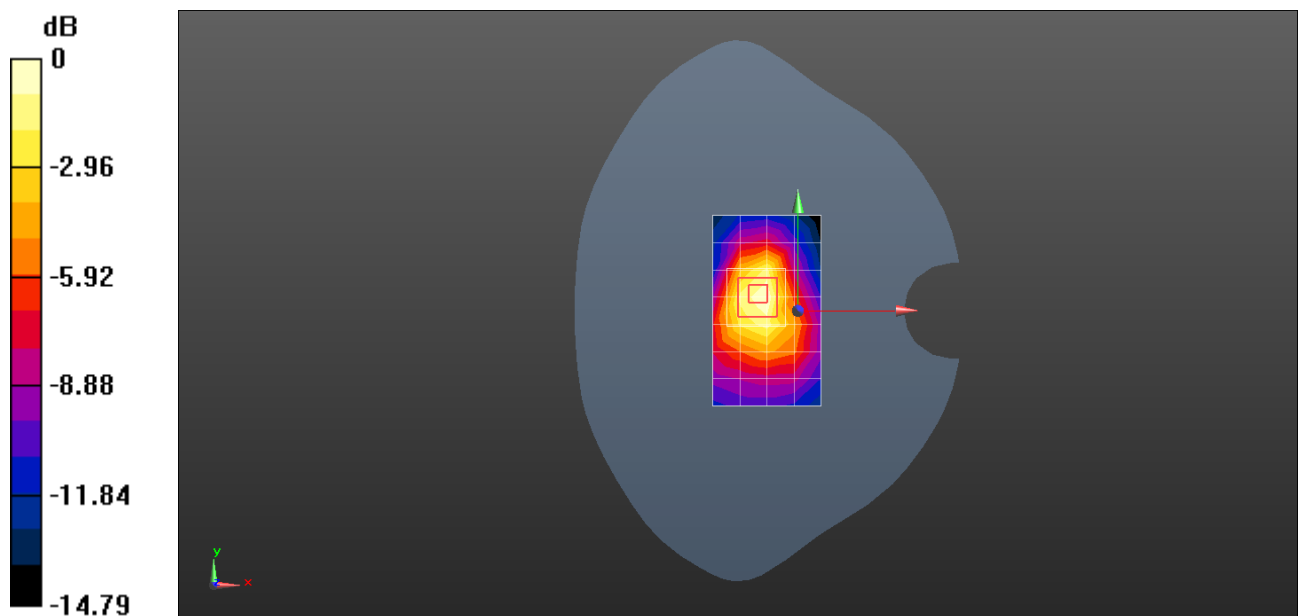
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 22.43 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.781 W/kg; SAR(10 g) = 0.401 W/kg

Maximum value of SAR (measured) = 0.985 W/kg



Test Laboratory: SGS-SAR Lab

TA-1391 WCDMA Band IV 1412CH Right cheek

DUT: TA-1391; Type: Smart Phone; Serial: PT19545EA1131700487

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

Medium: HSL1750; Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.355$ S/m; $\epsilon_r = 39.243$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(5.44, 5.44, 5.44); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 10; Type: SAM; Serial: 1563
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.260 W/kg

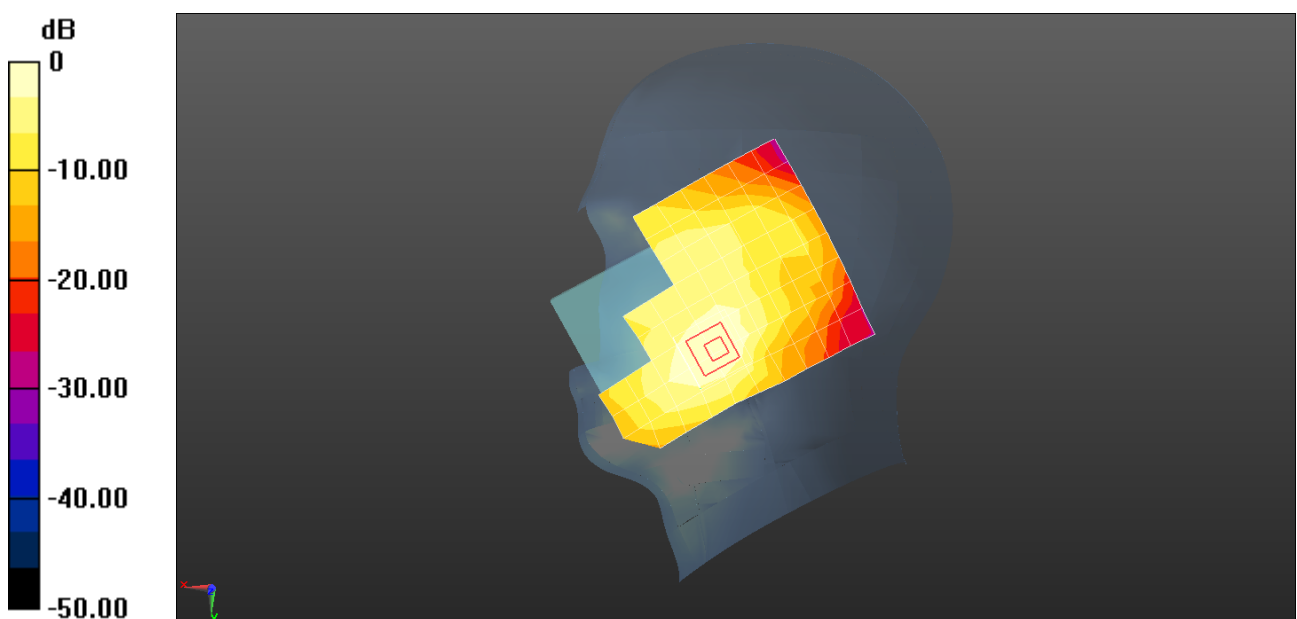
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.207 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.344 W/kg

SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.158 W/kg

Maximum value of SAR (measured) = 0.261 W/kg



0 dB = 0.260 W/kg = -5.85 dBW/kg

Test Laboratory: SGS-SAR Lab

TA-1391 WCDMA Band IV 1412CH Back side 10mm

DUT: TA-1391; Type: Smart Phone; Serial: PT19545EA1131700487

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

Medium: HSL1750; Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.355$ S/m; $\epsilon_r = 39.243$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(5.44, 5.44, 5.44); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 10; Type: SAM; Serial: 1563
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.431 W/kg

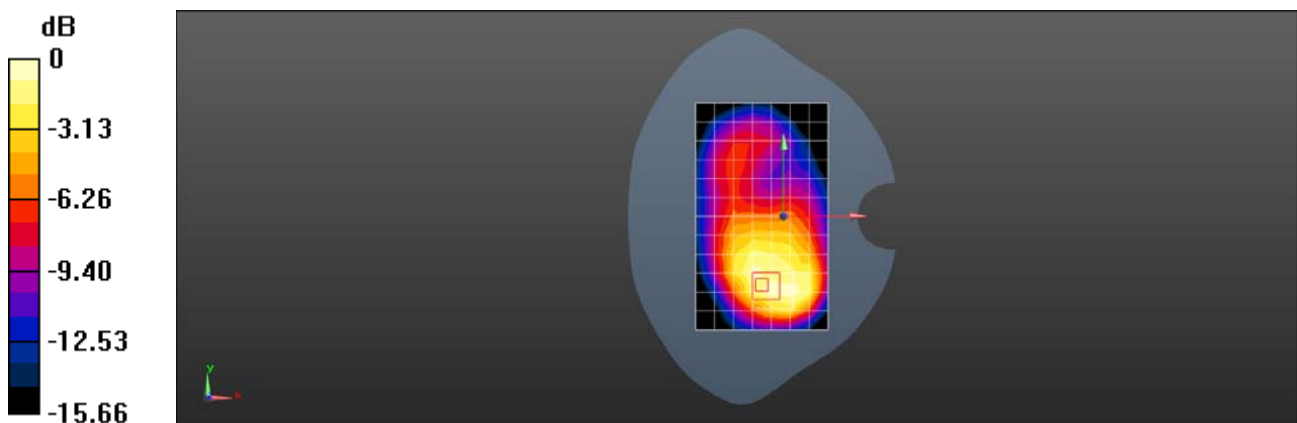
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.156 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.662 W/kg

SAR(1 g) = 0.360 W/kg; SAR(10 g) = 0.214 W/kg

Maximum value of SAR (measured) = 0.460 W/kg



Test Laboratory: SGS-SAR Lab

TA-1391 WCDMA Band IV 1412CH Bottom side 10mm

DUT: TA-1391; Type: Smart Phone; Serial: PT19545EA1131700487

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

Medium: HSL1750; Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.355$ S/m; $\epsilon_r = 39.243$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(5.44, 5.44, 5.44); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 10; Type: SAM; Serial: 1563
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (5x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 0.578 W/kg

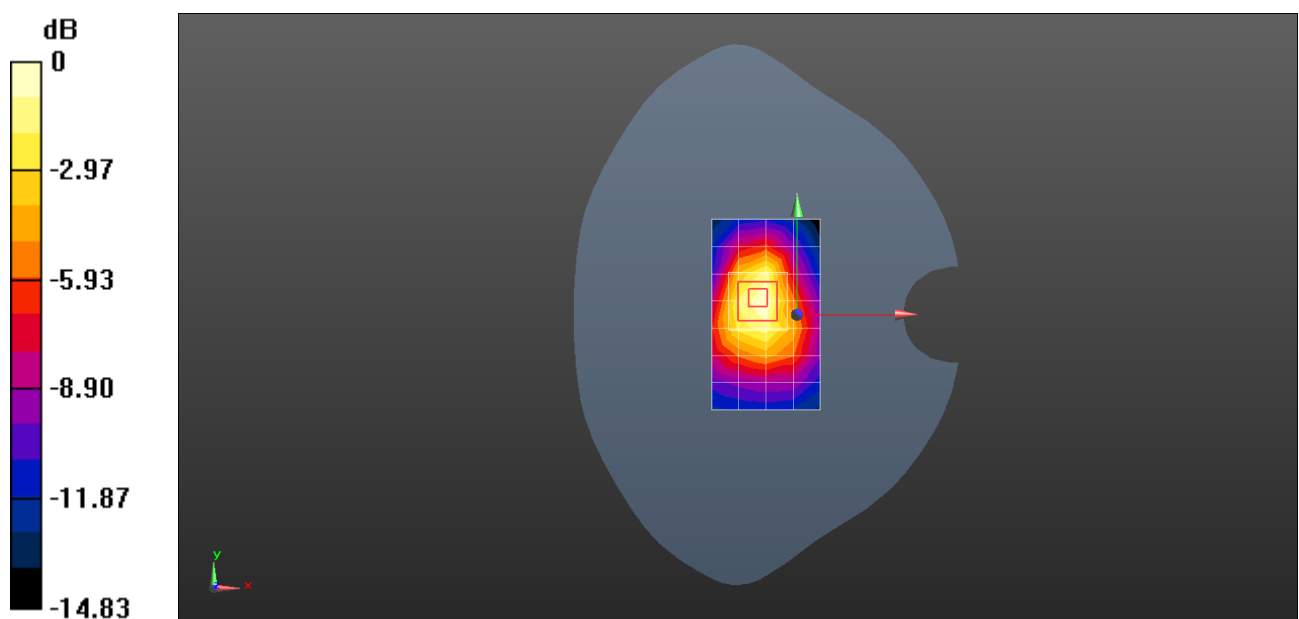
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 19.01 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.941 W/kg

SAR(1 g) = 0.538 W/kg; SAR(10 g) = 0.290 W/kg

Maximum value of SAR (measured) = 0.670 W/kg



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

Test Laboratory: SGS-SAR Lab

TA-1391 WCDMA Band V 4182CH Right cheek

DUT: TA-1391; Type: Smart Phone; Serial: 354632880012150

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

Medium: HSL835; Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.919$ S/m; $\epsilon_r = 40.815$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7620; ConvF(10.85, 10.85, 10.85); Calibrated: 2021-02-05
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2020-10-20
- Phantom: SAM6; Type: SAM; Serial: 1824
- DASY52 52.8.8(1258); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.414 W/kg

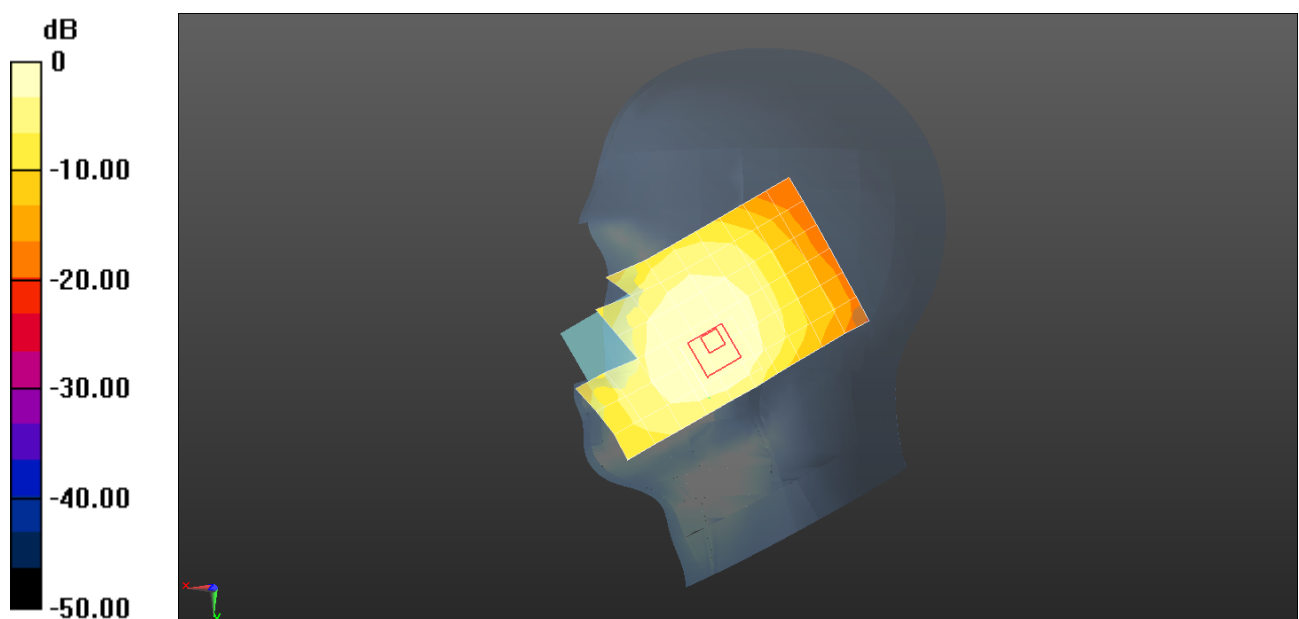
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.170 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.456 W/kg

SAR(1 g) = 0.354 W/kg; SAR(10 g) = 0.260 W/kg

Maximum value of SAR (measured) = 0.422 W/kg



0 dB = 0.414 W/kg = -3.83 dBW/kg

Test Laboratory: SGS-SAR Lab

TA-1391 WCDMA Band V 4182CH Back side 10mm

DUT: TA-1391; Type: Smart Phone; Serial: 354632880012150

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

Medium: HSL835; Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.919$ S/m; $\epsilon_r = 40.815$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7620; ConvF(10.85, 10.85, 10.85); Calibrated: 2021-02-05
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2020-10-20
- Phantom: SAM6; Type: SAM; Serial: 1824
- DASY52 52.8.8(1258); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.556 W/kg

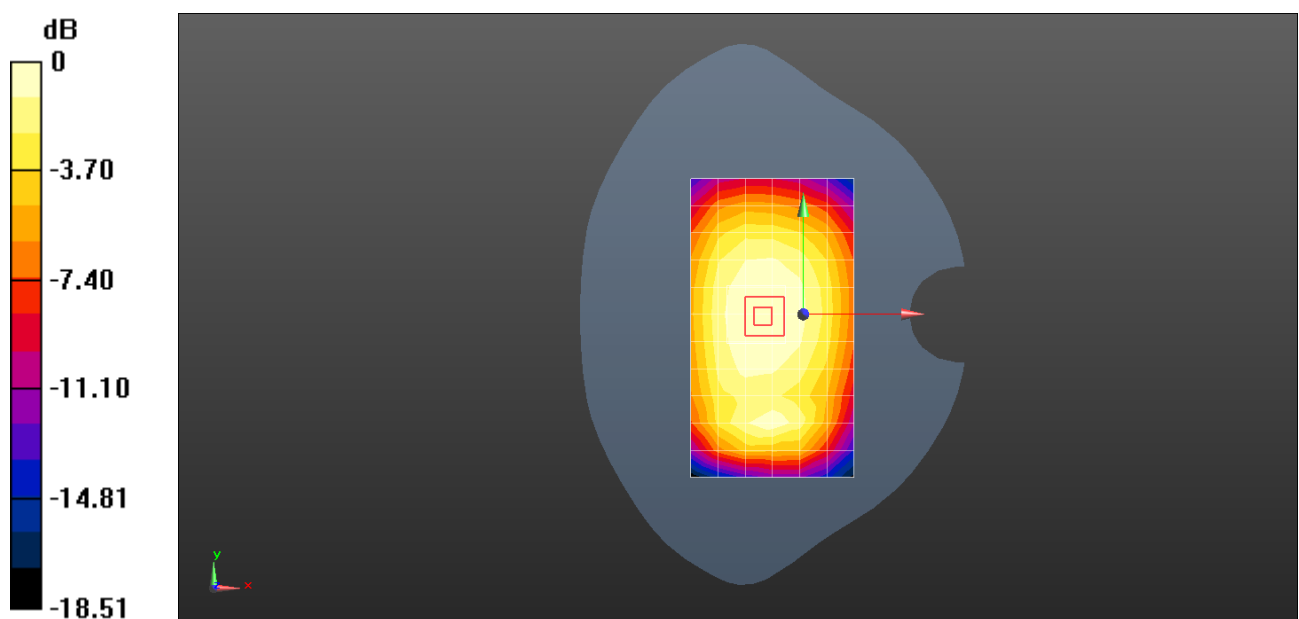
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.51 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.597 W/kg

SAR(1 g) = 0.469 W/kg; SAR(10 g) = 0.356 W/kg

Maximum value of SAR (measured) = 0.556 W/kg



Test Laboratory: SGS-SAR Lab

TA-1391 LTE Band 2 20M QPSK 1RB0 18900CH Right cheek

DUT: TA-1391; Type: Smart Phone; Serial: PT19545EA1131700487

Communication System: UID 0, LTE Band 2; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.372$ S/m; $\epsilon_r = 41.693$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(5.2, 5.2, 5.2); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 10; Type: SAM; Serial: 1563
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.338 W/kg

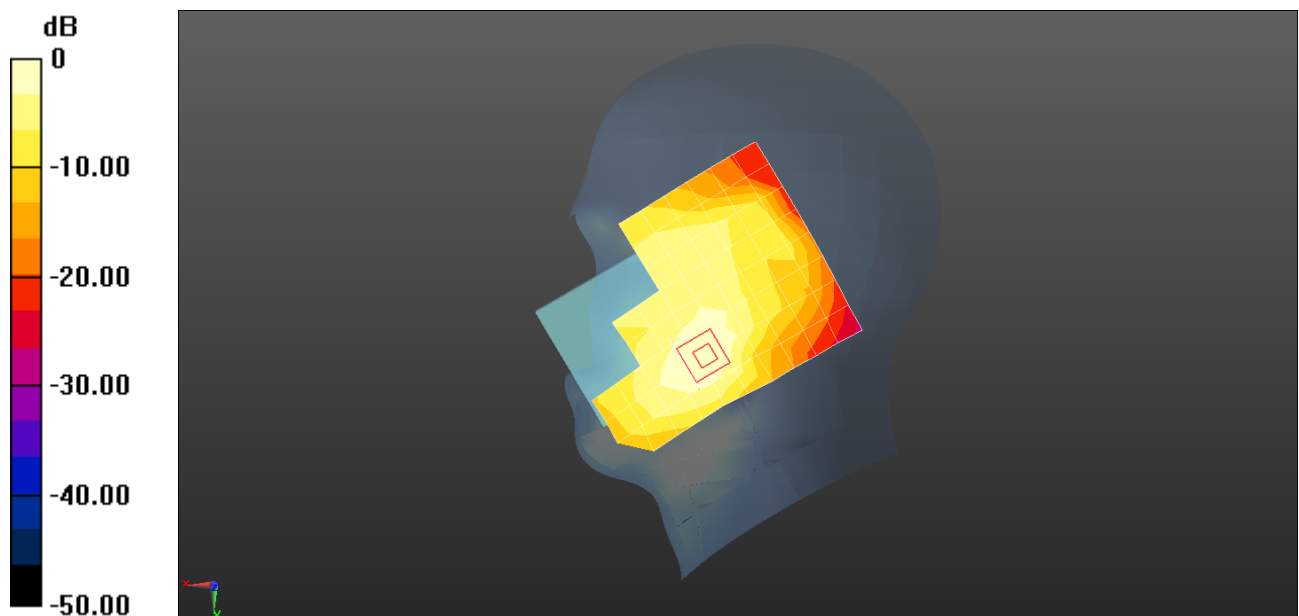
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.183 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.474 W/kg

SAR(1 g) = 0.322 W/kg; SAR(10 g) = 0.202 W/kg

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



0 dB = 0.338 W/kg = -4.71 dBW/kg

Test Laboratory: SGS-SAR Lab

TA-1391 LTE Band 2 20M QPSK 1RB50 18900CH Back side 10mm

DUT: TA-1391; Type: Smart Phone; Serial: PT19545EA1131700487

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

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.372$ S/m; $\epsilon_r = 41.693$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(5.2, 5.2, 5.2); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 10; Type: SAM; Serial: 1563
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (measured) = 0.594 W/kg

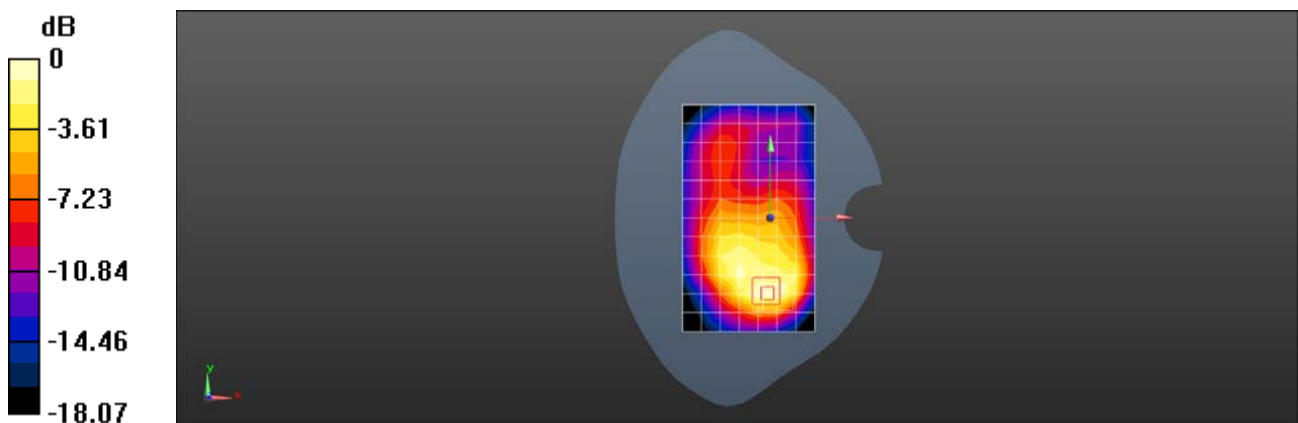
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.82 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.886 W/kg

SAR(1 g) = 0.496 W/kg; SAR(10 g) = 0.273 W/kg

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



0 dB = 0.592 W/kg = -2.28 dBW/kg

Test Laboratory: SGS-SAR Lab

TA-1391 LTE Band 2 20M QPSK 1RB50 18900CH Bottom side 10mm

DUT: TA-1391; Type: Smart Phone; Serial: PT19545EA1131700487

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

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.372$ S/m; $\epsilon_r = 41.693$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(5.2, 5.2, 5.2); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 10; Type: SAM; Serial: 1563
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (measured) = 0.633 W/kg

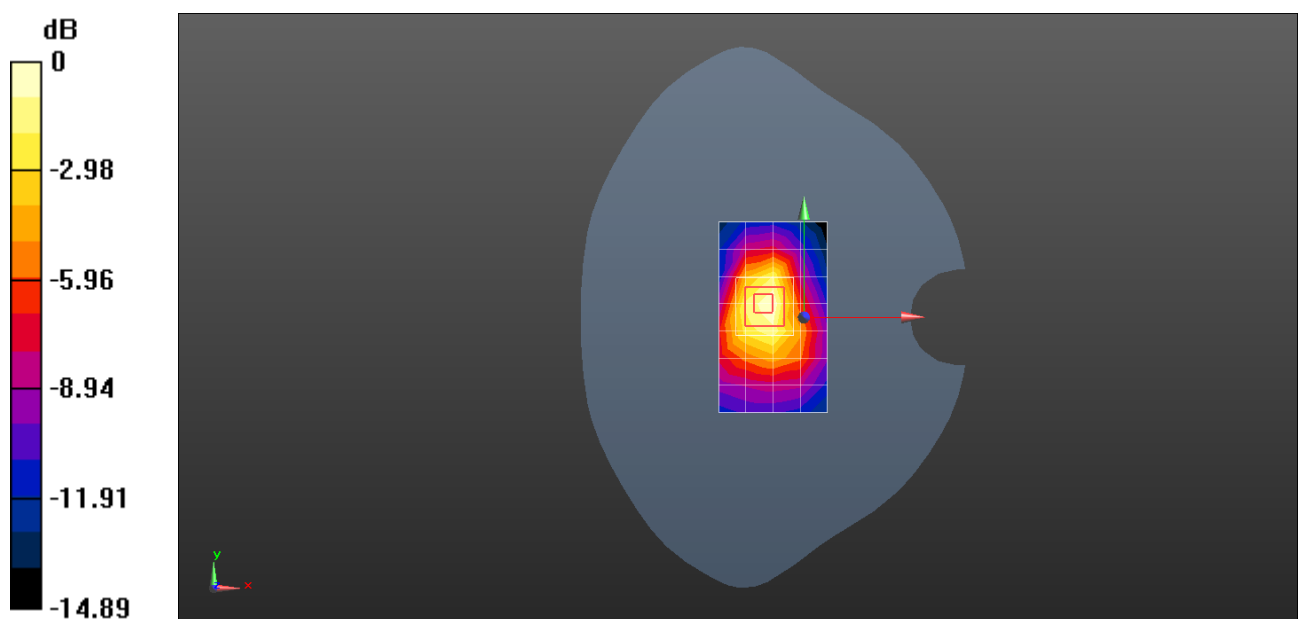
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 19.74 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.08 W/kg

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

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



0 dB = 0.633 W/kg = -1.99 dBW/kg

Test Laboratory: SGS-SAR Lab

TA-1391 LTE Band 4 20M QPSK 50RB25 20300CH Right cheek

DUT: TA-1391; Type: Smart Phone; Serial: PT19545EA1131700487

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

Medium: HSL1750; Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.368$ S/m; $\epsilon_r = 39.188$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(5.44, 5.44, 5.44); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 10; Type: SAM; Serial: 1563
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.292 W/kg

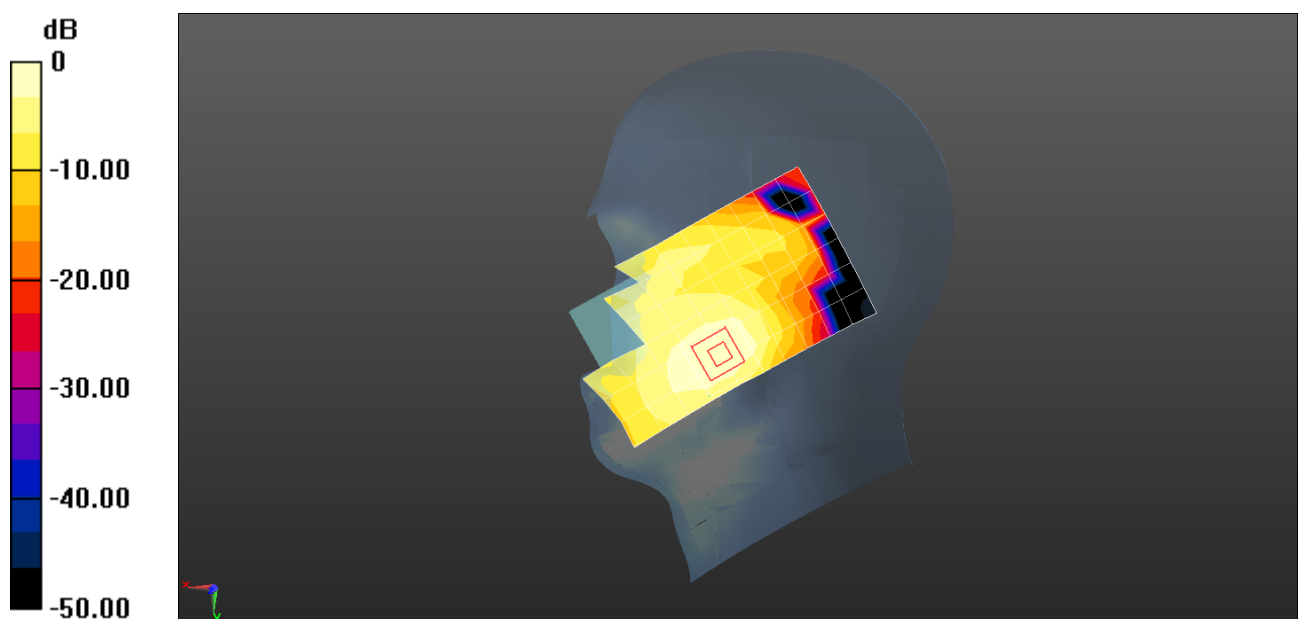
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.879 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.337 W/kg

SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.143 W/kg

Maximum value of SAR (measured) = 0.296 W/kg



0 dB = 0.292 W/kg = -5.34 dBW/kg

Test Laboratory: SGS-SAR Lab

TA-1391 LTE Band 4 20M QPSK 1RB50 20300CH Back side 10mm

DUT: TA-1391; Type: Smart Phone; Serial: PT19545EA1131700487

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

Medium: HSL1750; Medium parameters used: $f = 1745$ MHz; $\sigma = 1.368$ S/m; $\epsilon_r = 39.188$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(5.44, 5.44, 5.44); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 10; Type: SAM; Serial: 1563
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (measured) = 0.493 W/kg

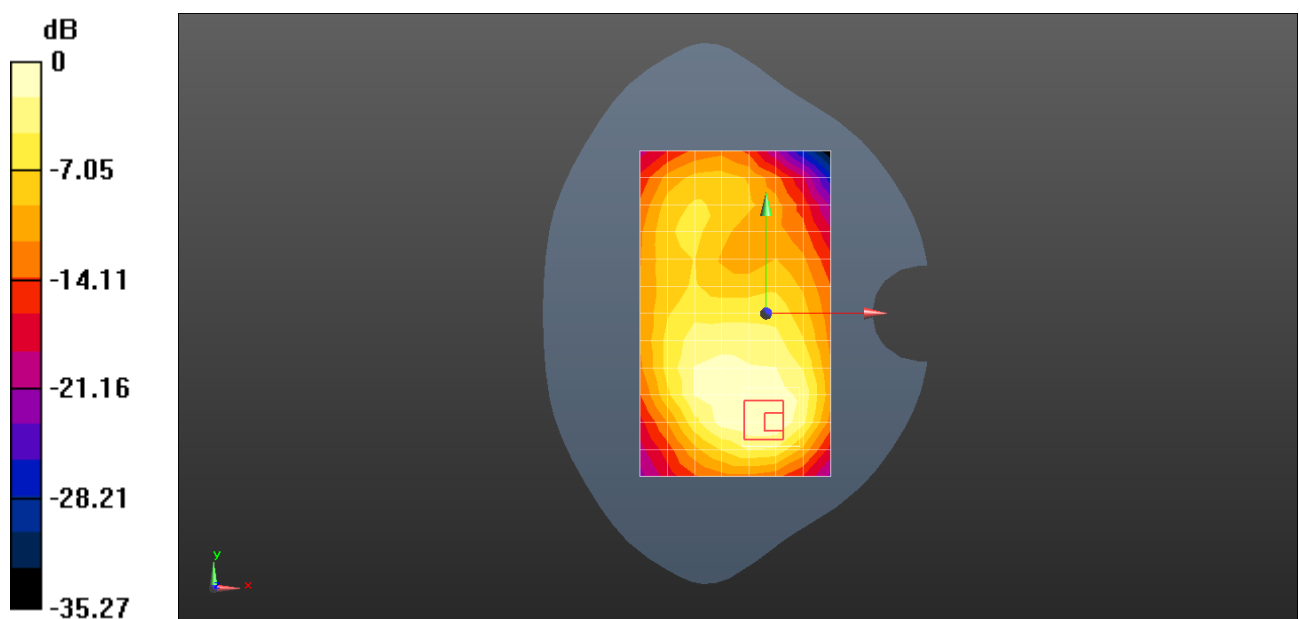
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.02 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.727 W/kg

SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.220 W/kg

Maximum value of SAR (measured) = 0.475 W/kg



0 dB = 0.493 W/kg = -3.07 dBW/kg

Test Laboratory: SGS-SAR Lab

TA-1391 LTE Band 5 10M QPSK 1RB25 20450CH Right cheek

DUT: TA-1391; Type: Smart Phone; Serial: 354632880012150

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used: $f = 829$ MHz; $\sigma = 0.914$ S/m; $\epsilon_r = 40.955$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7620; ConvF(10.85, 10.85, 10.85); Calibrated: 2021-02-05
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2020-10-20
- Phantom: SAM6; Type: SAM; Serial: 1824
- DASY52 52.8.8(1258); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.309 W/kg

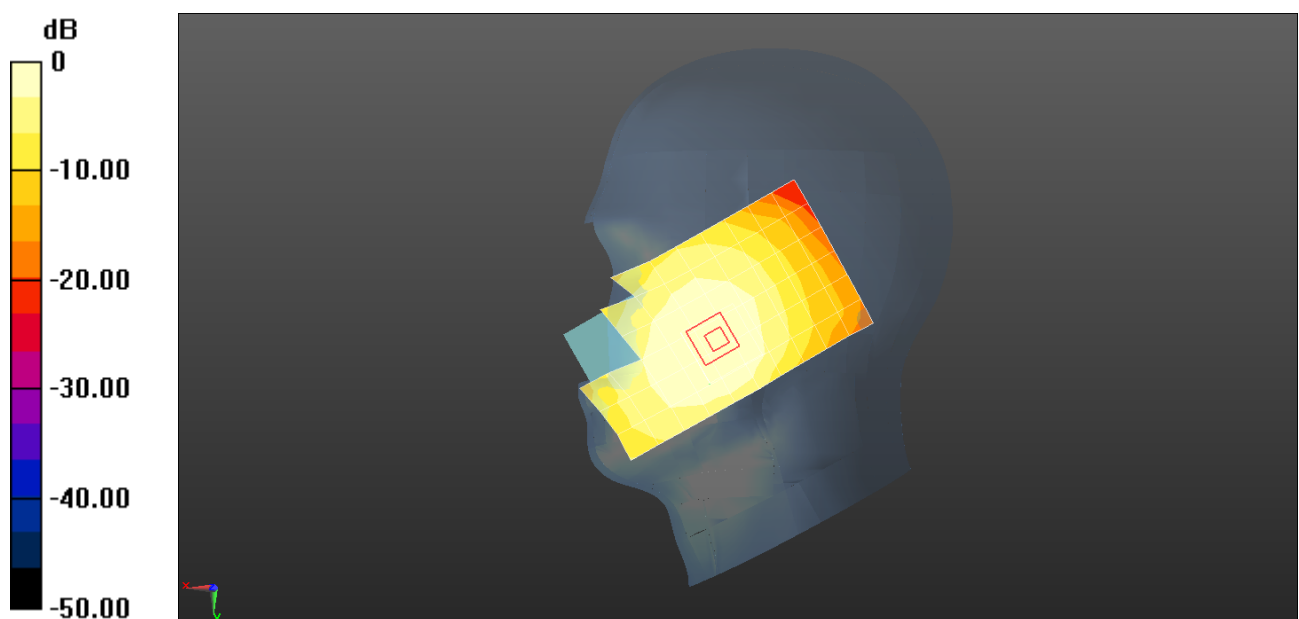
Configuration/Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.679 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.335 W/kg

SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.200 W/kg

Maximum value of SAR (measured) = 0.306 W/kg



0 dB = 0.309 W/kg = -5.10 dBW/kg

Test Laboratory: SGS-SAR Lab

TA-1391 LTE Band 5 10M QPSK 1RB25 20450CH Back side 10mm

DUT: TA-1391; Type: Smart Phone; Serial: 354632880012150

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used: $f = 829 \text{ MHz}$; $\sigma = 0.914 \text{ S/m}$; $\epsilon_r = 40.955$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7620; ConvF(10.85, 10.85, 10.85); Calibrated: 2021-02-05
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2020-10-20
- Phantom: SAM6; Type: SAM; Serial: 1824
- DASY52 52.8.8(1258); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.385 W/kg

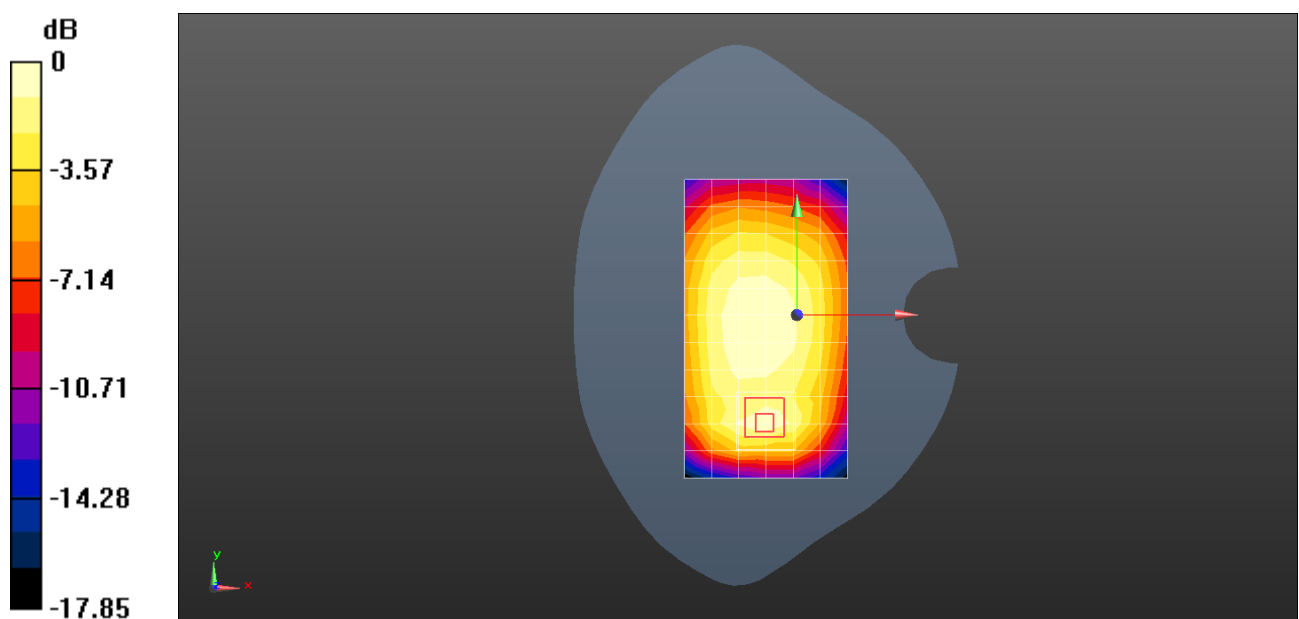
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.73 V/m ; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.451 W/kg

SAR(1 g) = 0.259 W/kg ; SAR(10 g) = 0.157 W/kg

Maximum value of SAR (measured) = 0.379 W/kg



Test Laboratory: SGS-SAR Lab

TA-1391 LTE Band 7 20M QPSK 1RB50 21350CH Left cheek

DUT: TA-1391; Type: Smart Phone; Serial: PT19545EA1131700487

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

Medium: HSL2600; Medium parameters used: $f = 2560$ MHz; $\sigma = 1.985$ S/m; $\epsilon_r = 39.078$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(4.61, 4.61, 4.61); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 9; Type: SAM; Serial: 1769
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (measured) = 0.790 W/kg

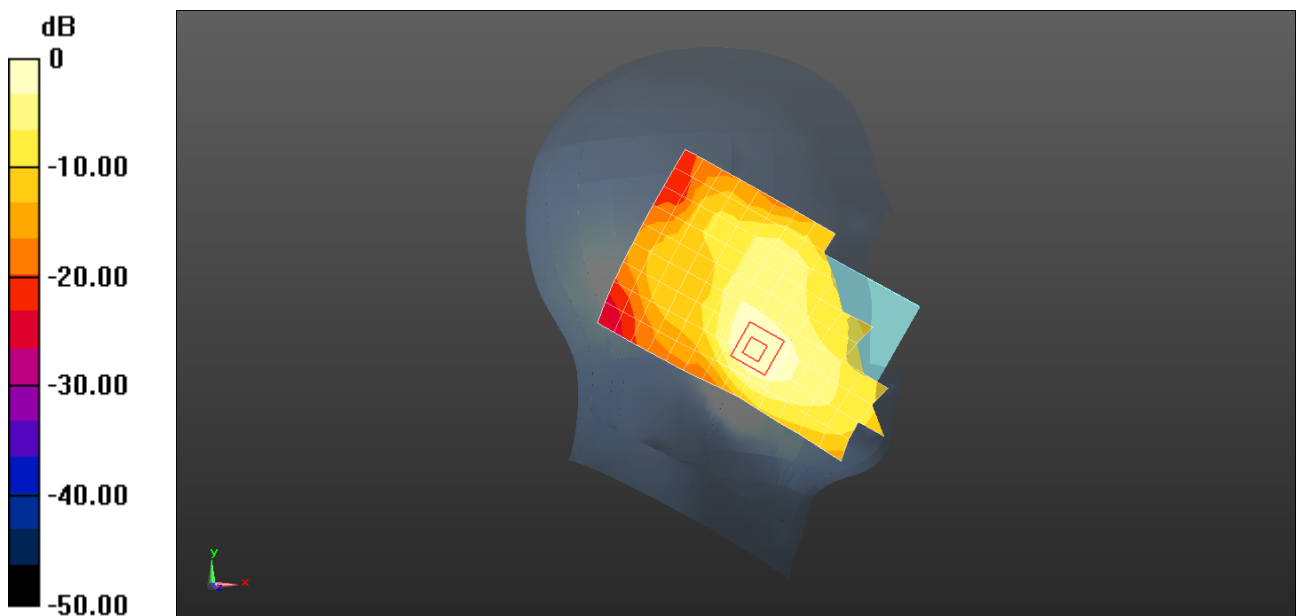
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.508 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.684 W/kg; SAR(10 g) = 0.360 W/kg

Maximum value of SAR (measured) = 0.857 W/kg



Test Laboratory: SGS-SAR Lab

TA-1391 LTE Band 7 20M QPSK 1RB99 21350CH Back side 10mm

DUT: TA-1391; Type: Smart Phone; Serial: PT19545EA1131700487

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

Medium: HSL2600; Medium parameters used: $f = 2560$ MHz; $\sigma = 1.985$ S/m; $\epsilon_r = 39.078$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(4.61, 4.61, 4.61); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 9; Type: SAM; Serial: 1769
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (measured) = 0.836 W/kg

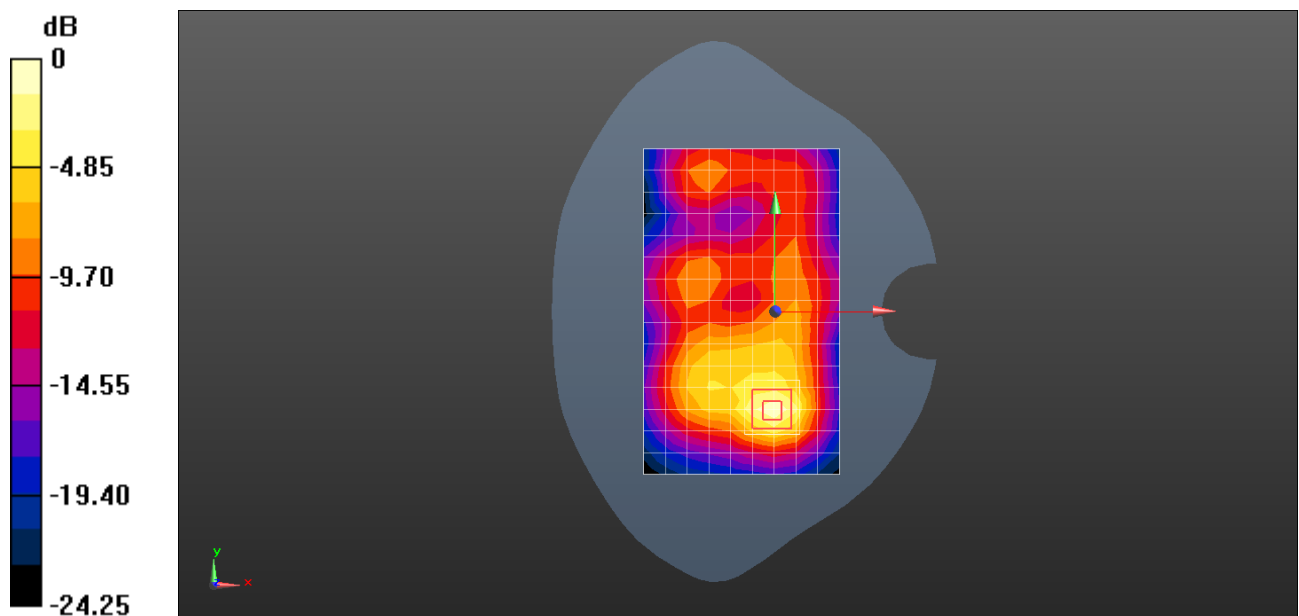
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.807 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.627 W/kg; SAR(10 g) = 0.280 W/kg

Maximum value of SAR (measured) = 0.822 W/kg



0 dB = 0.836 W/kg = -0.78 dBW/kg

Test Laboratory: SGS-SAR Lab

TA-1391 WIFI 2.4G 802.11b 11CH Left cheek-repeat

DUT: TA-1391; Type: Smart Phone; Serial: PT19545EA1131700487

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2462 MHz;Duty Cycle: 1:1.005

Medium: HSL2450;Medium parameters used: $f = 2462$ MHz; $\sigma = 1.806$ S/m; $\epsilon_r = 40.635$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.06, 7.06, 7.06); Calibrated: 2020-05-09
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2020-06-12
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

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

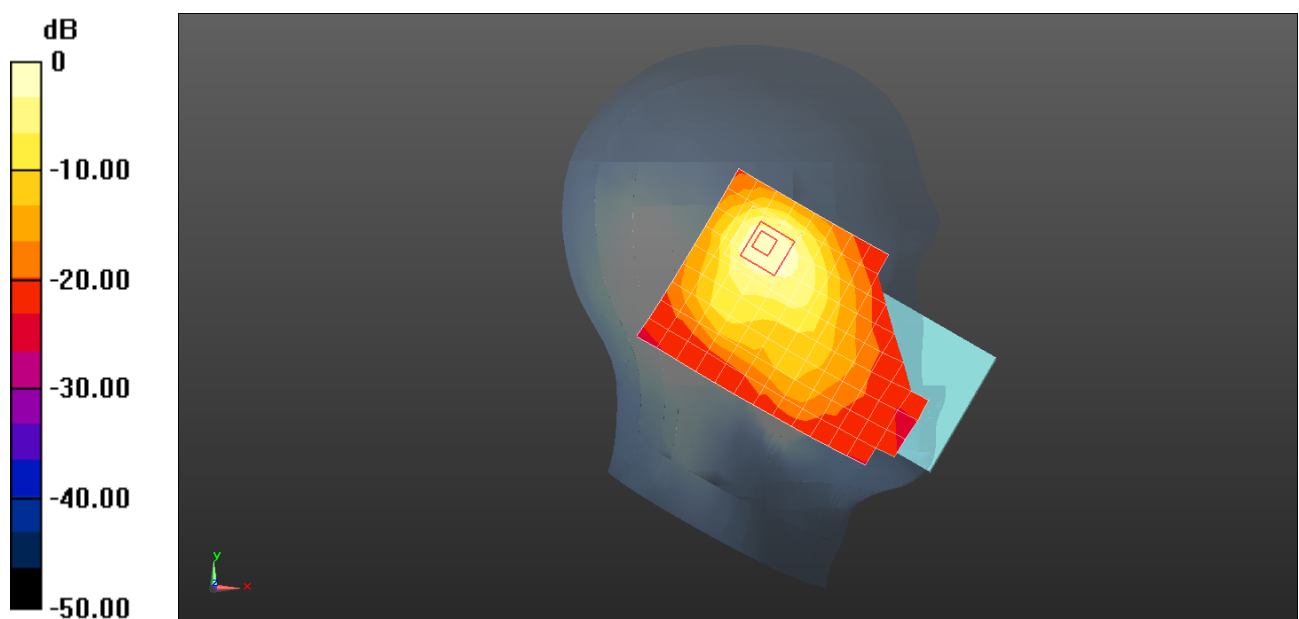
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.47 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.17 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.494 W/kg

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



0 dB = 1.06 W/kg = 0.24 dBW/kg

Test Laboratory: SGS-SAR Lab

TA-1391 WIFI 2.4G 802.11b 6CH Back side 10mm

DUT: TA-1391; Type: Smart Phone; Serial: PT19545EA1131700487

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz; Duty Cycle: 1:1.005

Medium: HSL2450; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.773$ S/m; $\epsilon_r = 40.706$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.06, 7.06, 7.06); Calibrated: 2020-05-09
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2020-06-12
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (measured) = 0.286 W/kg

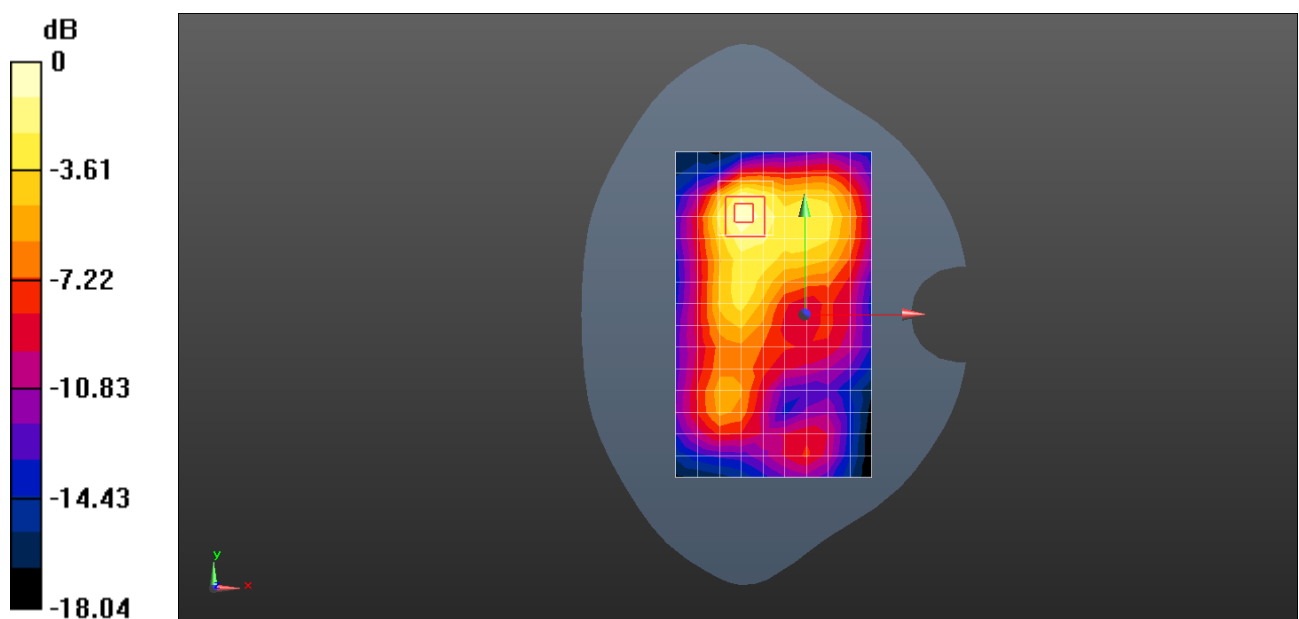
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.524 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.529 W/kg

SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.133 W/kg

Maximum value of SAR (measured) = 0.286 W/kg



Test Laboratory: SGS-SAR Lab

TA-1391 Bluetooth DH5 39CH Left cheek

DUT: TA-1391; Type: Smart Phone; Serial: PT19545EA1131700487

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.296

Medium: HSL2450; Medium parameters used: $f = 2441$ MHz; $\sigma = 1.779$ S/m; $\epsilon_r = 40.692$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.06, 7.06, 7.06); Calibrated: 2020-05-09
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2020-06-12
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Maximum value of SAR (measured) = 0.0866 W/kg

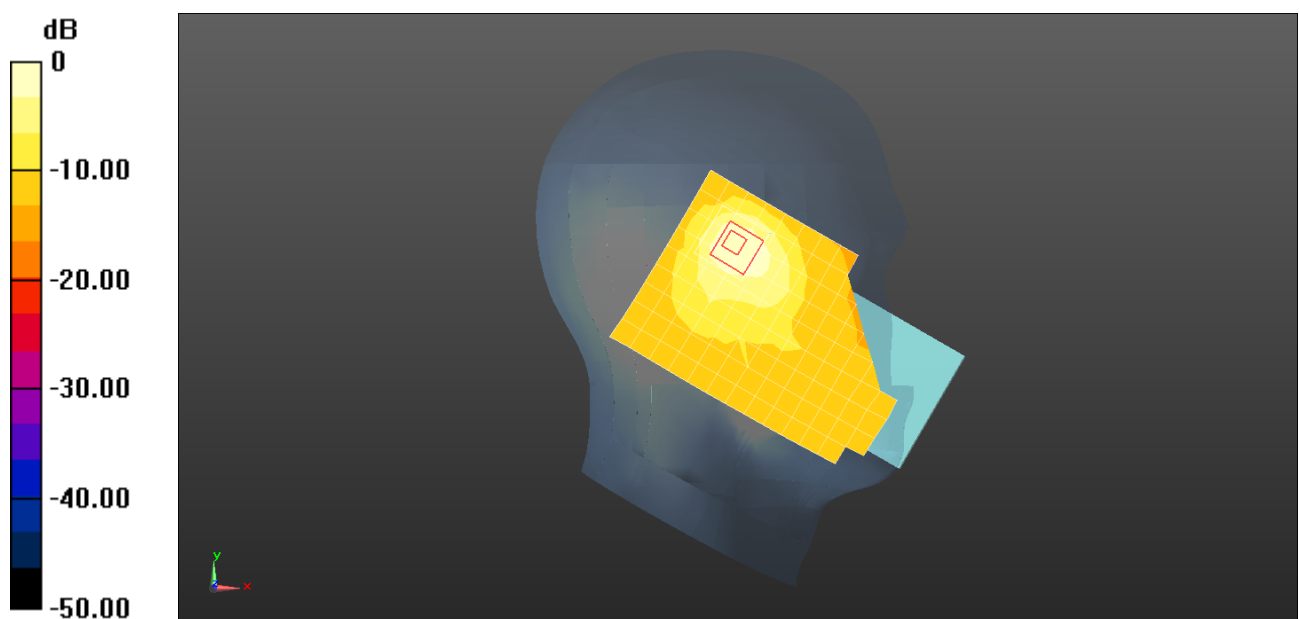
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.165 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.177 W/kg

SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.042 W/kg

Maximum value of SAR (measured) = 0.0922 W/kg



0 dB = 0.0866 W/kg = -10.63 dBW/kg

Test Laboratory: SGS-SAR Lab

TA-1391 Bluetooth DH5 39CH Back side 10mm

DUT: TA-1391; Type: Smart Phone; Serial: PT19545EA1131700487

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.296

Medium: HSL2450; Medium parameters used: $f = 2441$ MHz; $\sigma = 1.779$ S/m; $\epsilon_r = 40.692$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.06, 7.06, 7.06); Calibrated: 2020-05-09
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2020-06-12
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (10x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.0337 W/kg

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

Reference Value = 2.730 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.0600 W/kg

SAR(1 g) = 0.030 W/kg; SAR(10 g) = 0.017 W/kg

Maximum value of SAR (measured) = 0.0328 W/kg

