



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

Report No.: SUCR240900032706

Rev.: 01

Appendix B

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Wireless Laboratory

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Member of the SGS Group (SGS SA)

Test Laboratory: SGS-SAR Lab

M8550 LTE Band 7 20M QPSK 1RB0 Ch21100 Right Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

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

Medium: HSL2600;Medium parameters used: $f = 2535$ MHz; $\sigma = 1.899$ S/m; $\epsilon_r = 37.932$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.1, 8.1, 8.1); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (6x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.991 W/kg

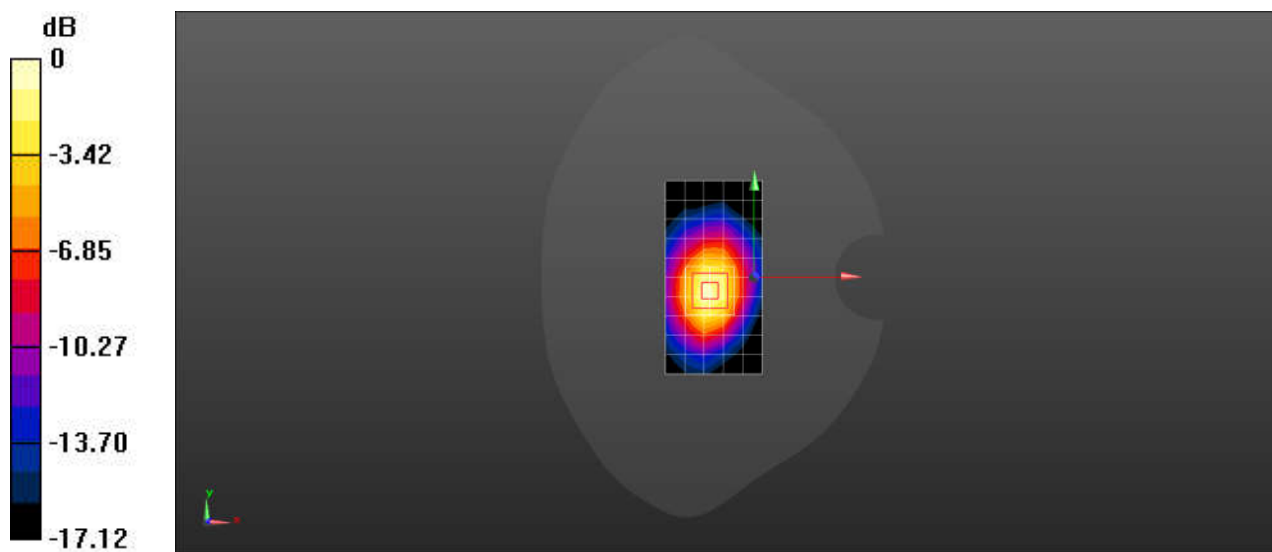
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.30 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.733 W/kg; SAR(10 g) = 0.395 W/kg

Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg = 0.33 dBW/kg

Test Laboratory: SGS-SAR Lab

M8550 LTE Band 12 10M QPSK 1RB0 Ch23095 Back Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

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

Medium: HSL750; Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.863$ S/m; $\epsilon_r = 43.001$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(10.66, 10.66, 10.66); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- 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) = 0.446 W/kg

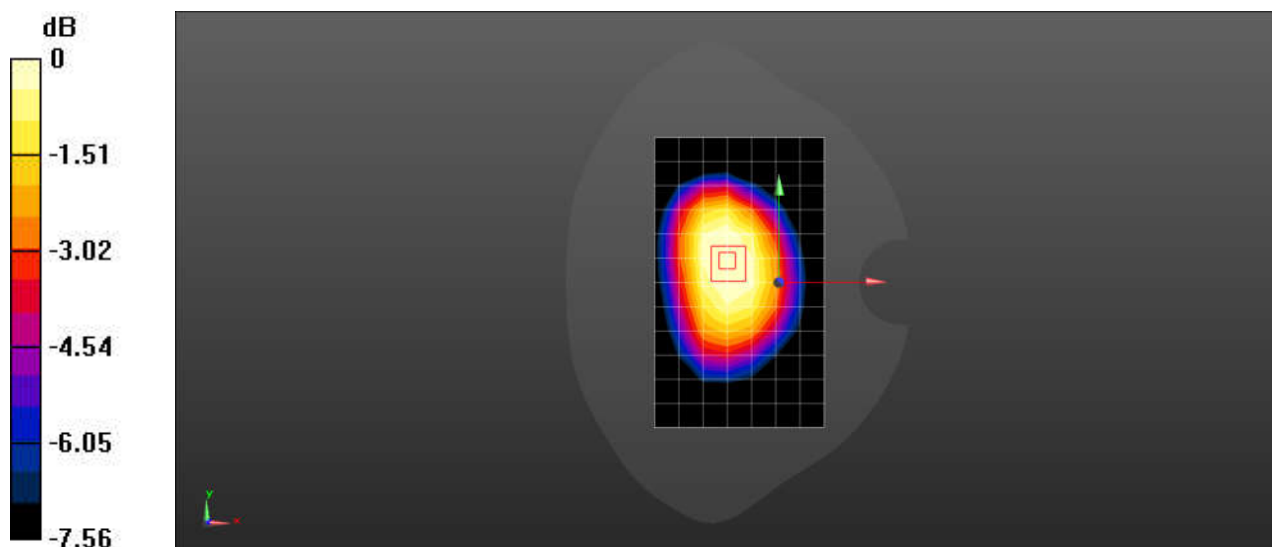
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.82 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.447 W/kg

SAR(1 g) = 0.343 W/kg; SAR(10 g) = 0.265 W/kg

Maximum value of SAR (measured) = 0.410 W/kg



Test Laboratory: SGS-SAR Lab

M8550 LTE Band 13 10M QPSK 1RB0 Ch23230 Front Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 782 MHz;Duty Cycle: 1:1

Medium: HSL750;Medium parameters used: $f = 782$ MHz; $\sigma = 0.902$ S/m; $\epsilon_r = 42.665$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(10.66, 10.66, 10.66); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- 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) = 0.633 W/kg

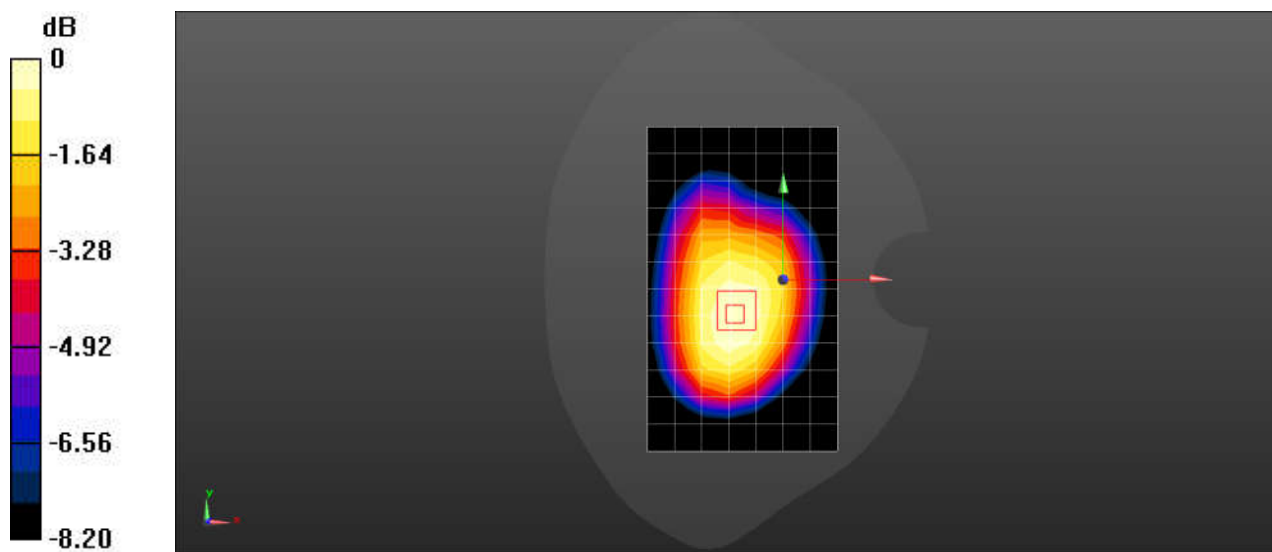
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.24 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.684 W/kg

SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.408 W/kg

Maximum value of SAR (measured) = 0.628 W/kg



0 dB = 0.628 W/kg = -2.02 dBW/kg

Test Laboratory: SGS-SAR Lab

M8550 LTE Band 14 10M QPSK 1RB0 Ch23330 Front Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 793 MHz;Duty Cycle: 1:1

Medium: HSL750;Medium parameters used: $f = 793$ MHz; $\sigma = 0.909$ S/m; $\epsilon_r = 42.626$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(10.66, 10.66, 10.66); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- 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) = 0.623 W/kg

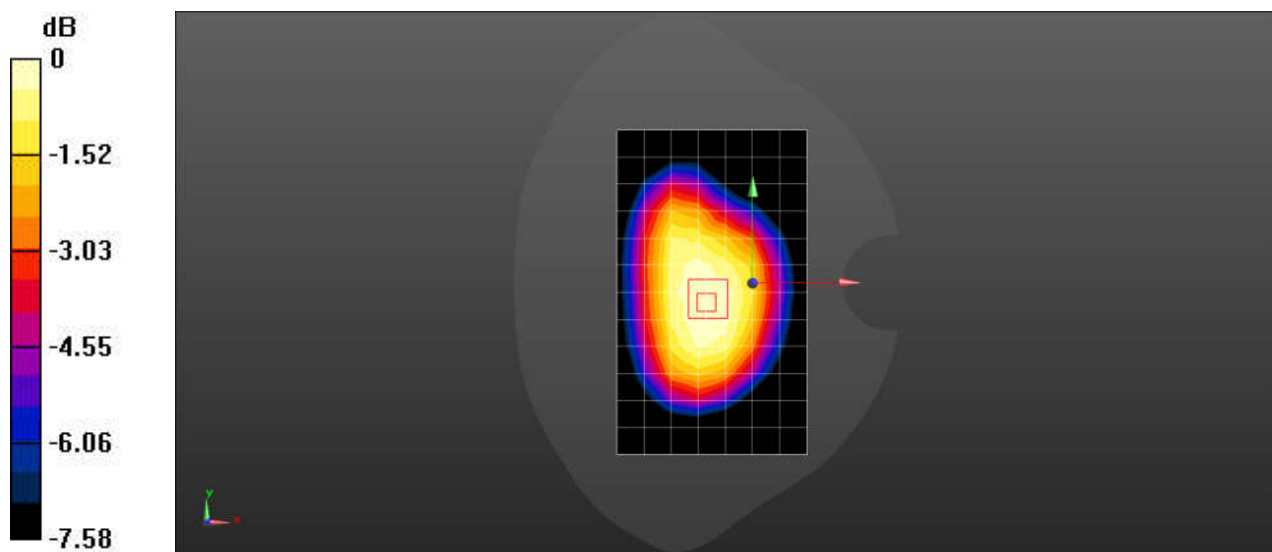
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.13 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.677 W/kg

SAR(1 g) = 0.419 W/kg; SAR(10 g) = 0.286 W/kg

Maximum value of SAR (measured) = 0.624 W/kg



0 dB = 0.624 W/kg = -2.05 dBW/kg

Test Laboratory: SGS-SAR Lab

M8550 LTE Band 25 20M QPSK 1RB0 Ch26365 Back Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: HSL1950; Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.4$ S/m; $\epsilon_r = 38.997$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.5, 8.5, 8.5); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- 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) = 0.518 W/kg

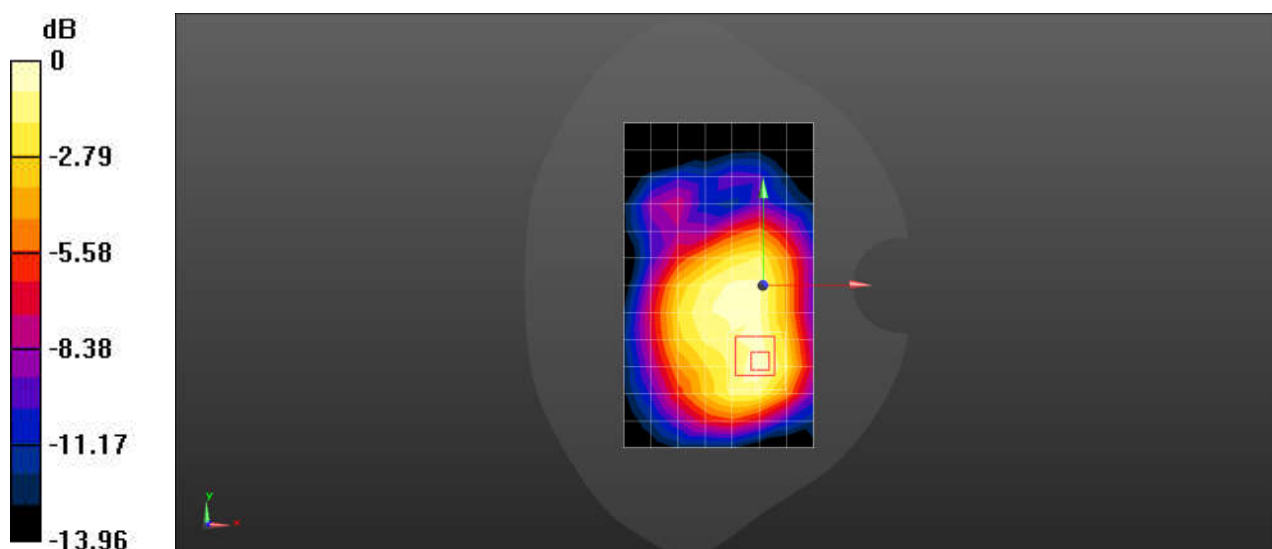
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.63 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.595 W/kg

SAR(1 g) = 0.383 W/kg; SAR(10 g) = 0.245 W/kg

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



0 dB = 0.521 W/kg = -2.83 dBW/kg

Test Laboratory: SGS-SAR Lab

M8550 LTE Band 26 15M QPSK 1RB0 Ch26865 Back Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, LTE-FDD BW 15MHz (0); Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium: HSL835;Medium parameters used: $f = 831.5$ MHz; $\sigma = 0.893$ S/m; $\epsilon_r = 42.936$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(10.35, 10.35, 10.35); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- 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) = 0.612 W/kg

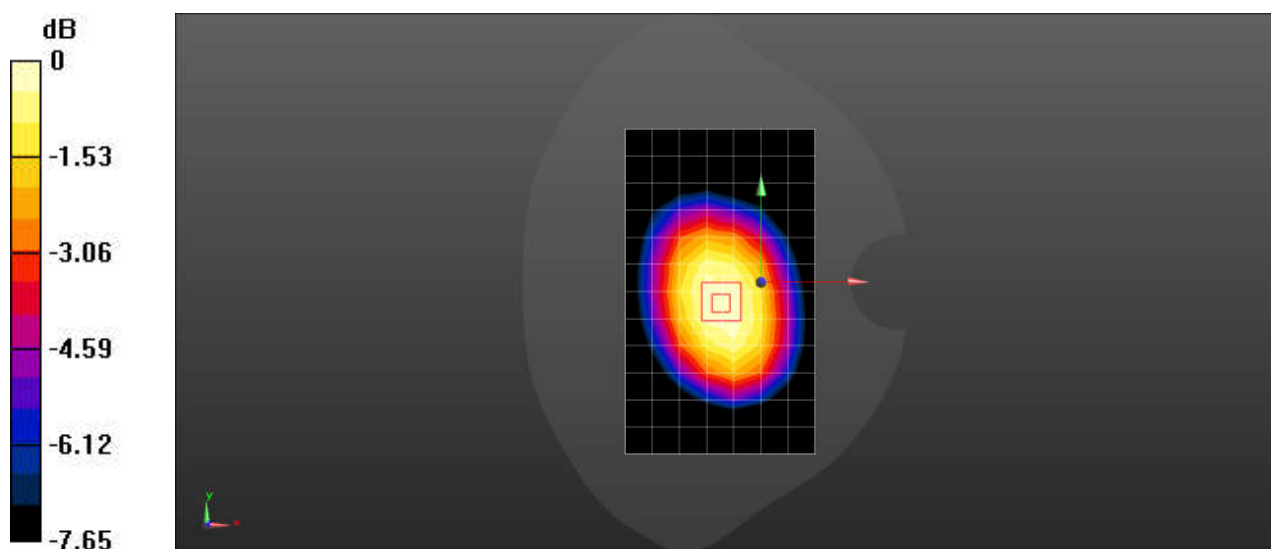
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.93 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.677 W/kg

SAR(1 g) = 0.524 W/kg; SAR(10 g) = 0.405 W/kg

Maximum value of SAR (measured) = 0.622 W/kg



Test Laboratory: SGS-SAR Lab

M8550 LTE Band 30 10M QPSK 1RB0 Ch27710 Right Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 2310 MHz; Duty Cycle: 1:1

Medium: HSL2300; Medium parameters used: $f = 2310$ MHz; $\sigma = 1.703$ S/m; $\epsilon_r = 39.658$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.29, 8.29, 8.29); Calibrated: 2024/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (6x11x1): Measurement grid: dx=12mm, dy=12mm

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

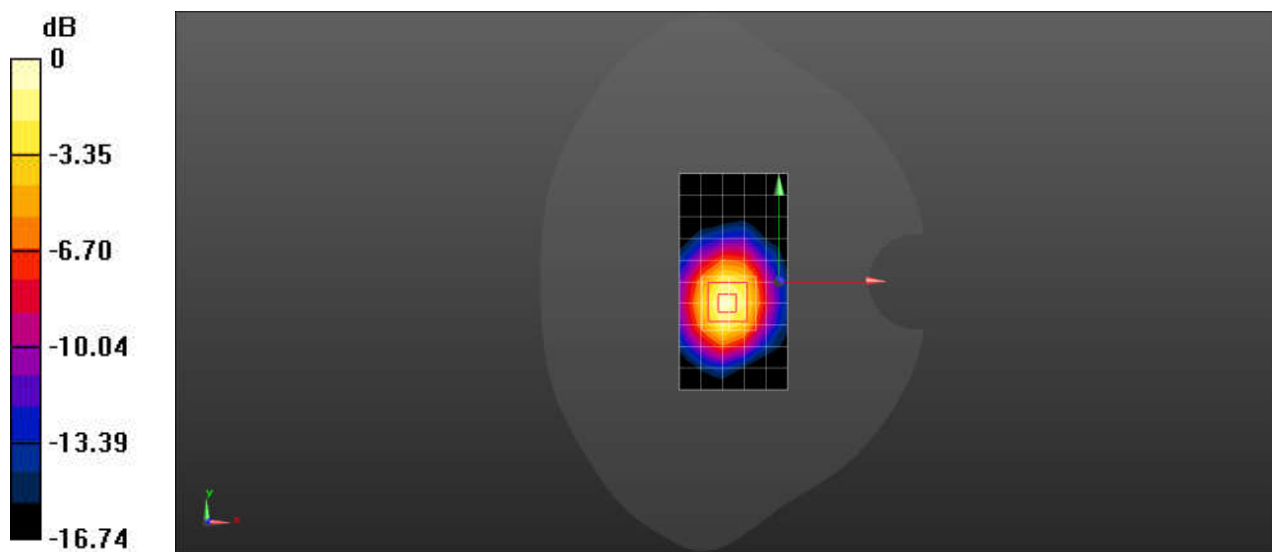
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.29 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.767 W/kg; SAR(10 g) = 0.426 W/kg

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



0 dB = 1.10 W/kg = 0.41 dBW/kg

Test Laboratory: SGS-SAR Lab

M8550 LTE Band 41_PC2 20M QPSK 1RB0 Ch41490 Right Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium: HSL2600; Medium parameters used: $f = 2593$ MHz; $\sigma = 1.945$ S/m; $\epsilon_r = 37.706$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(7.85, 7.85, 7.85); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (6x11x1): Measurement grid: dx=12mm, dy=12mm

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

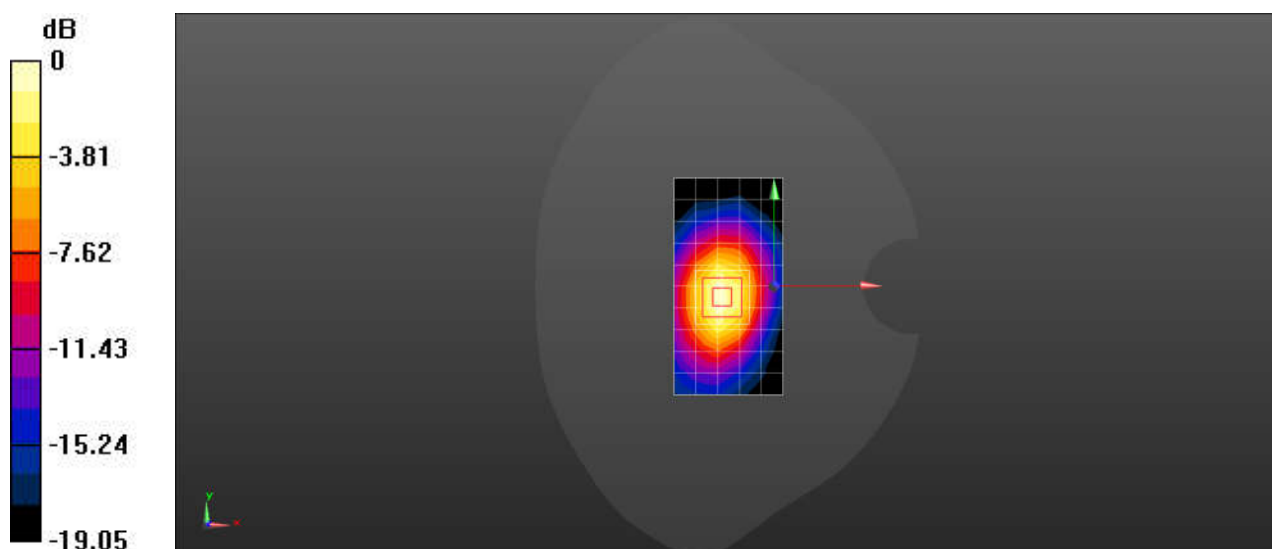
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.85 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 0.885 W/kg; SAR(10 g) = 0.463 W/kg

Maximum value of SAR (measured) = 1.33 W/kg



0 dB = 1.33 W/kg = 1.24 dBW/kg

Test Laboratory: SGS-SAR Lab

M8550 LTE Band 41_PC3 20M QPSK 1RB0 Ch40620 Right Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2593 MHz;Duty Cycle: 1:1.58

Medium: HSL2600;Medium parameters used: $f = 2593$ MHz; $\sigma = 1.945$ S/m; $\epsilon_r = 37.706$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(7.85, 7.85, 7.85); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (6x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.02 W/kg

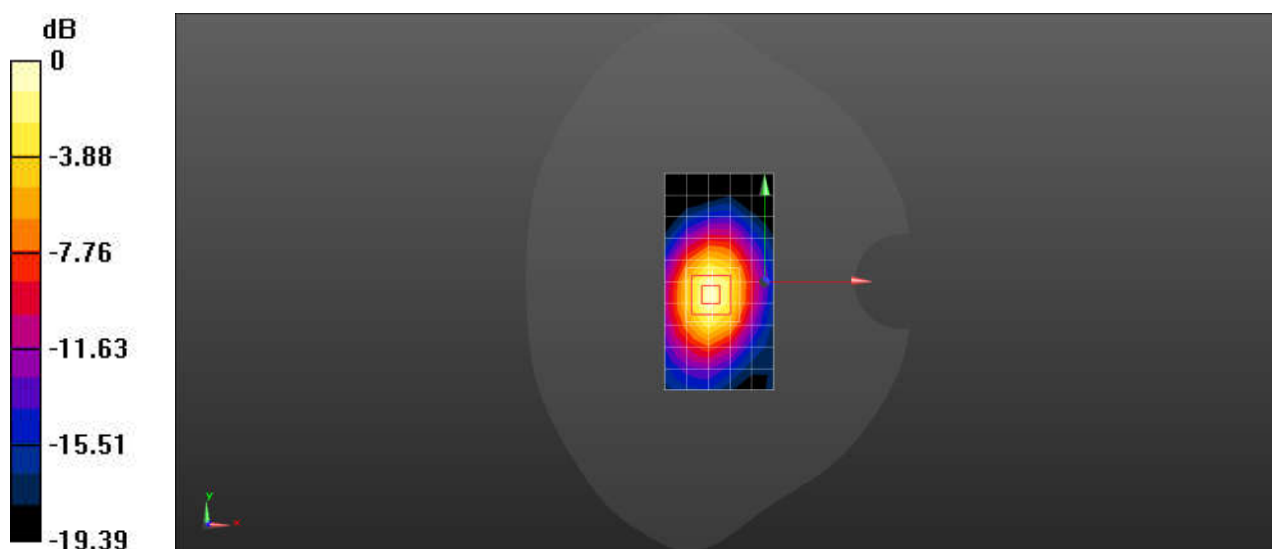
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.41 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.725 W/kg; SAR(10 g) = 0.375 W/kg

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



0 dB = 1.11 W/kg = 0.45 dBW/kg

Test Laboratory: SGS-SAR Lab

M8550 LTE Band 48 20M QPSK 1RB0 Ch55830 Left Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 3609 MHz; Duty Cycle: 1:1.58

Medium: HSL3700; Medium parameters used: $f = 3609$ MHz; $\sigma = 3.157$ S/m; $\epsilon_r = 37.665$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(7.08, 7.08, 7.08); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x13x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.651 W/kg

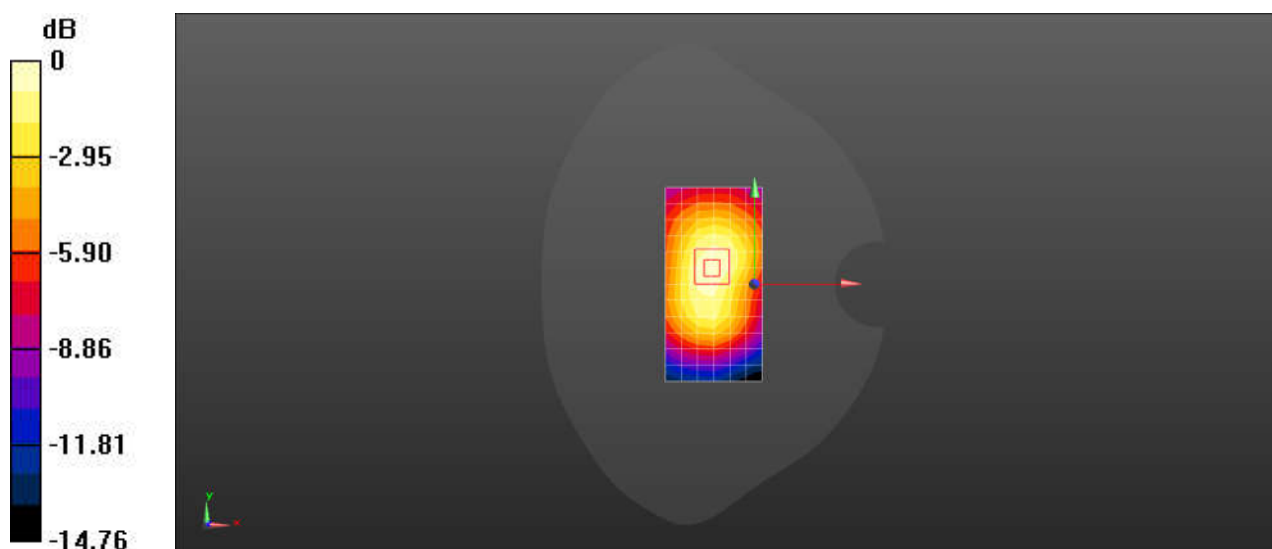
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.38 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.817 W/kg

SAR(1 g) = 0.436 W/kg; SAR(10 g) = 0.240 W/kg

Maximum value of SAR (measured) = 0.673 W/kg



Test Laboratory: SGS-SAR Lab

M8550 LTE Band 66 20M QPSK 1RB0 Ch132322 Front Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

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

Medium: HSL1750;Medium parameters used: $f = 1745$ MHz; $\sigma = 1.341$ S/m; $\epsilon_r = 40.116$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.86, 8.86, 8.86); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- 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) = 0.422 W/kg

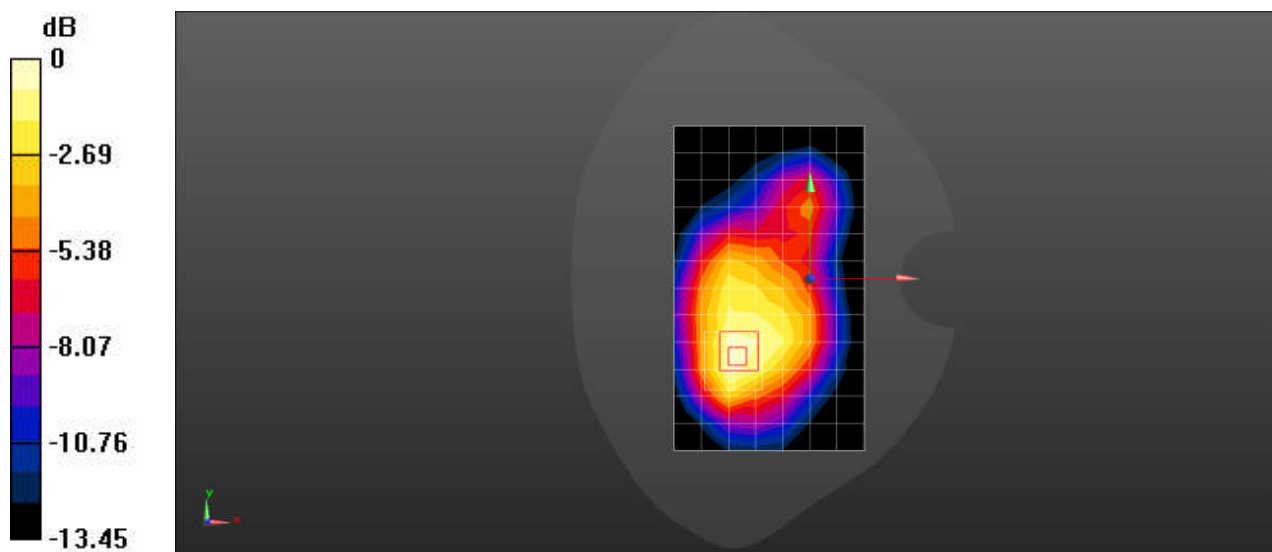
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.35 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.521 W/kg

SAR(1 g) = 0.336 W/kg; SAR(10 g) = 0.218 W/kg

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



Test Laboratory: SGS-SAR Lab

M8550 LTE Band 71 20M QPSK 1RB0 Ch133322 Back Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 683 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used: $f = 683$ MHz; $\sigma = 0.849$ S/m; $\epsilon_r = 43.108$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(10.66, 10.66, 10.66); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- 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) = 0.708 W/kg

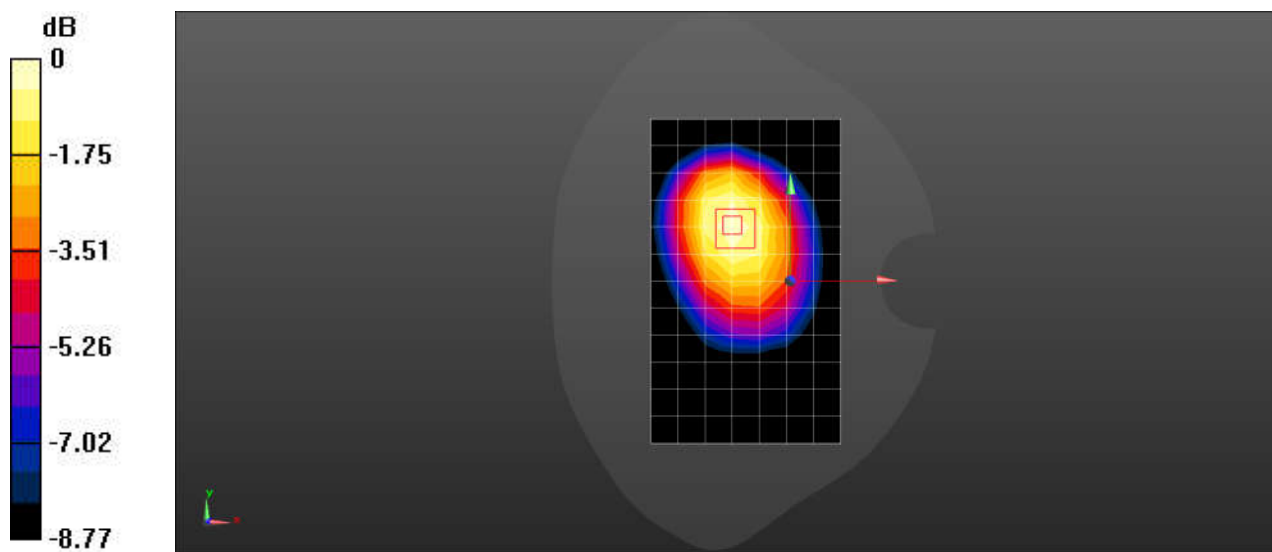
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.35 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.800 W/kg

SAR(1 g) = 0.579 W/kg; SAR(10 g) = 0.429 W/kg

Maximum value of SAR (measured) = 0.719 W/kg



Test Laboratory: SGS-SAR Lab

M8550 NR n5 20M QPSK 1RB1 Ch167300 Back Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, NR (0); Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 42.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(10.35, 10.35, 10.35); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- 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) = 0.672 W/kg

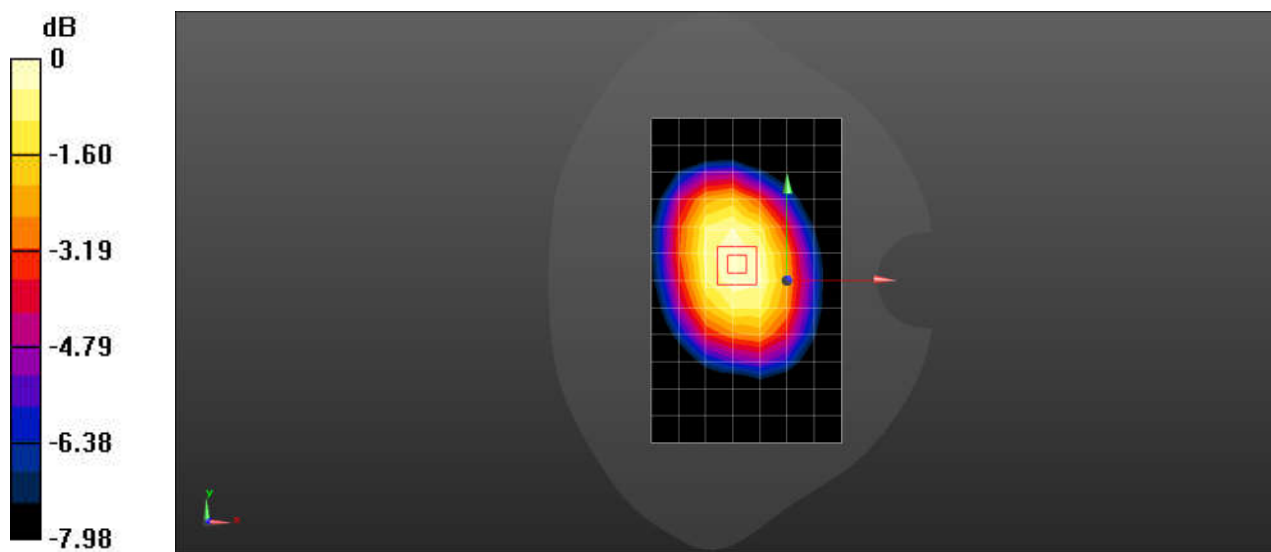
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.69 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.734 W/kg

SAR(1 g) = 0.503 W/kg; SAR(10 g) = 0.386 W/kg

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



0 dB = 0.668 W/kg = -1.75 dBW/kg

Test Laboratory: SGS-SAR Lab

M8550 NR n12 15M QPSK 36RB22 Ch141500 Back Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, NR (0); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.866$ S/m; $\epsilon_r = 42.899$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(10.66, 10.66, 10.66); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- 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) = 0.538 W/kg

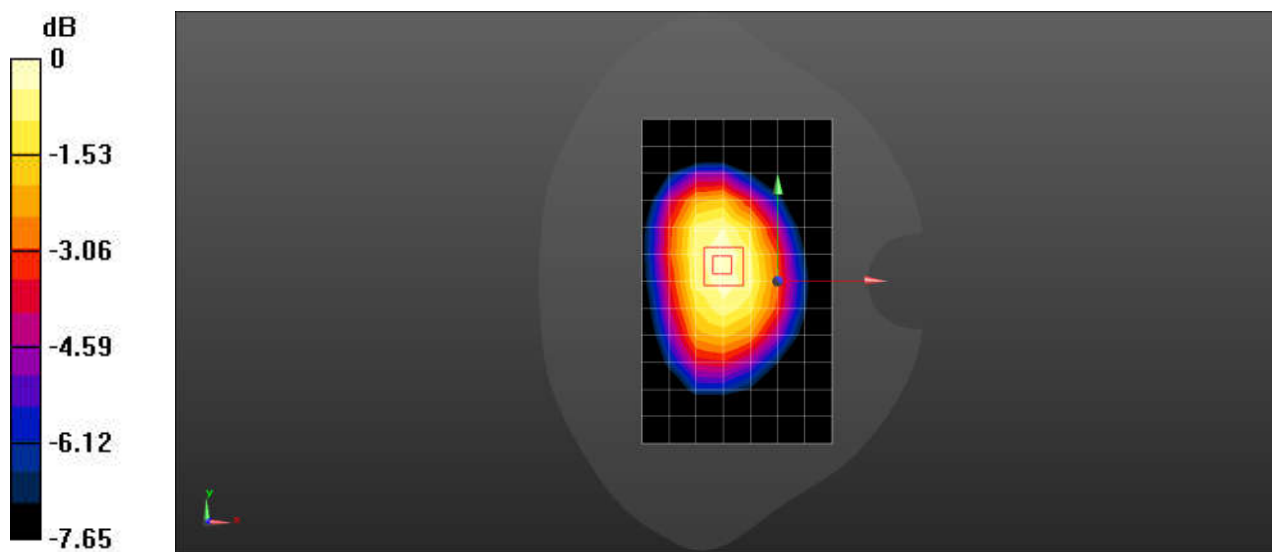
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.58 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.587 W/kg

SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.349 W/kg

Maximum value of SAR (measured) = 0.540 W/kg



0 dB = 0.540 W/kg = -2.68 dBW/kg

Test Laboratory: SGS-SAR Lab

M8550 NR n14 10M QPSK 25RB14 Ch158600 Front Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, NR (0); Frequency: 793 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used: $f = 793$ MHz; $\sigma = 0.913$ S/m; $\epsilon_r = 42.524$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(10.66, 10.66, 10.66); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- 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) = 0.591 W/kg

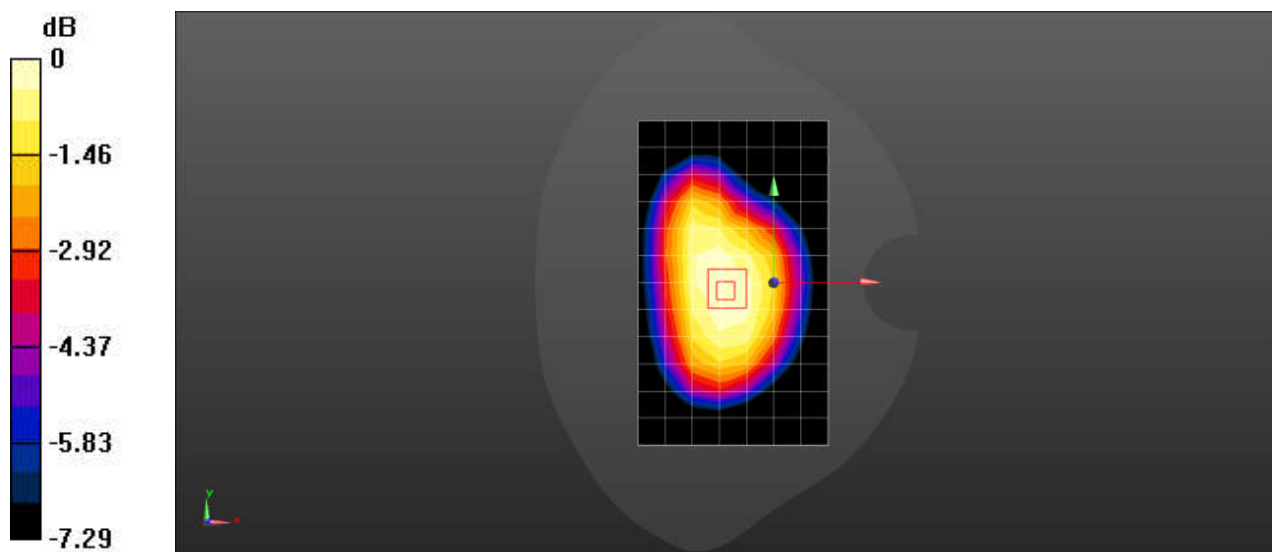
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.65 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.641 W/kg

SAR(1 g) = 0.502 W/kg; SAR(10 g) = 0.397 W/kg

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



Test Laboratory: SGS-SAR Lab

M8550 NR n25 40M QPSK 1RB1 Ch376500 Front Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, NR (0); Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: HSL1950; Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.4$ S/m; $\epsilon_r = 38.997$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.5, 8.5, 8.5); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- 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) = 0.622 W/kg

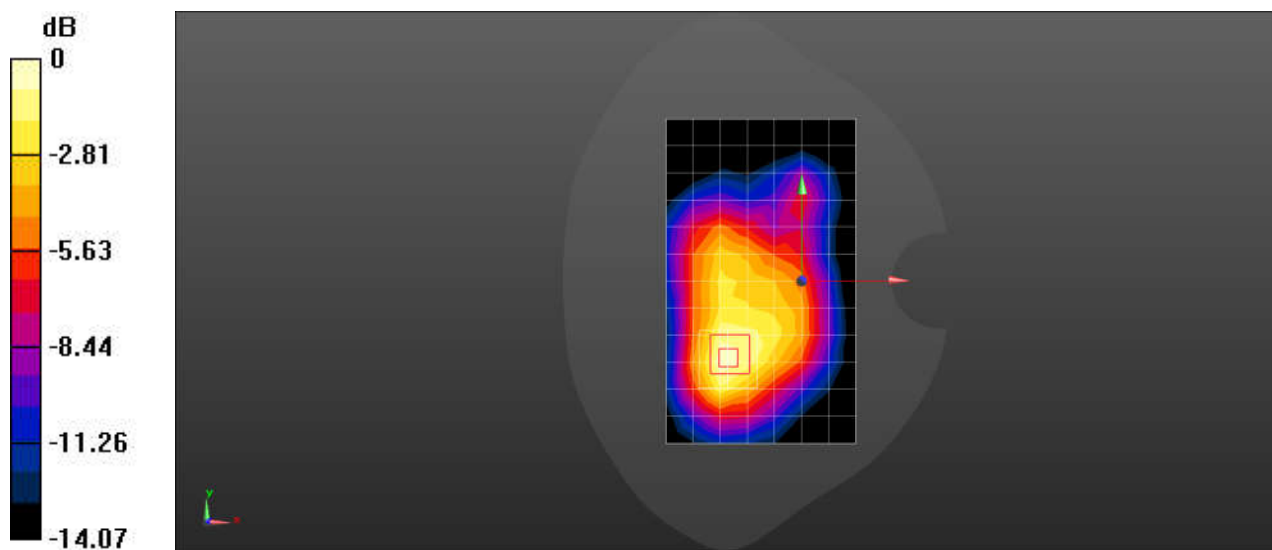
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.18 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.746 W/kg

SAR(1 g) = 0.467 W/kg; SAR(10 g) = 0.288 W/kg

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



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

Test Laboratory: SGS-SAR Lab

M8550 NR n30 10M QPSK 25RB14 Ch462000 Right Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, NR (0); Frequency: 2310 MHz; Duty Cycle: 1:1

Medium: HSL2300; Medium parameters used: $f = 2310$ MHz; $\sigma = 1.703$ S/m; $\epsilon_r = 39.658$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.29, 8.29, 8.29); Calibrated: 2024/4/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

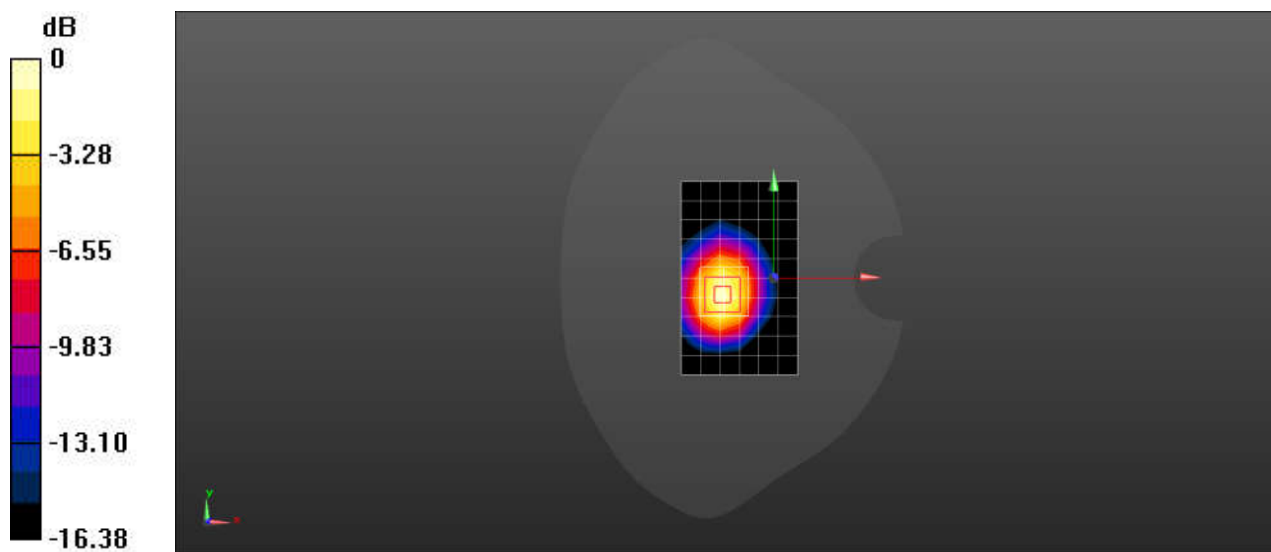
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.41 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.673 W/kg; SAR(10 g) = 0.373 W/kg

Maximum value of SAR (measured) = 0.956 W/kg



Test Laboratory: SGS-SAR Lab

M8550 NR n41_PC2 100M QPSK 135RB69 Ch518598 Left Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, NR (0); Frequency: 2592.99 MHz; Duty Cycle: 1:1.58

Medium: HSL2600; Medium parameters used: $f = 2593$ MHz; $\sigma = 2.025$ S/m; $\epsilon_r = 38.291$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(7.85, 7.85, 7.85); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x11x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.924 W/kg

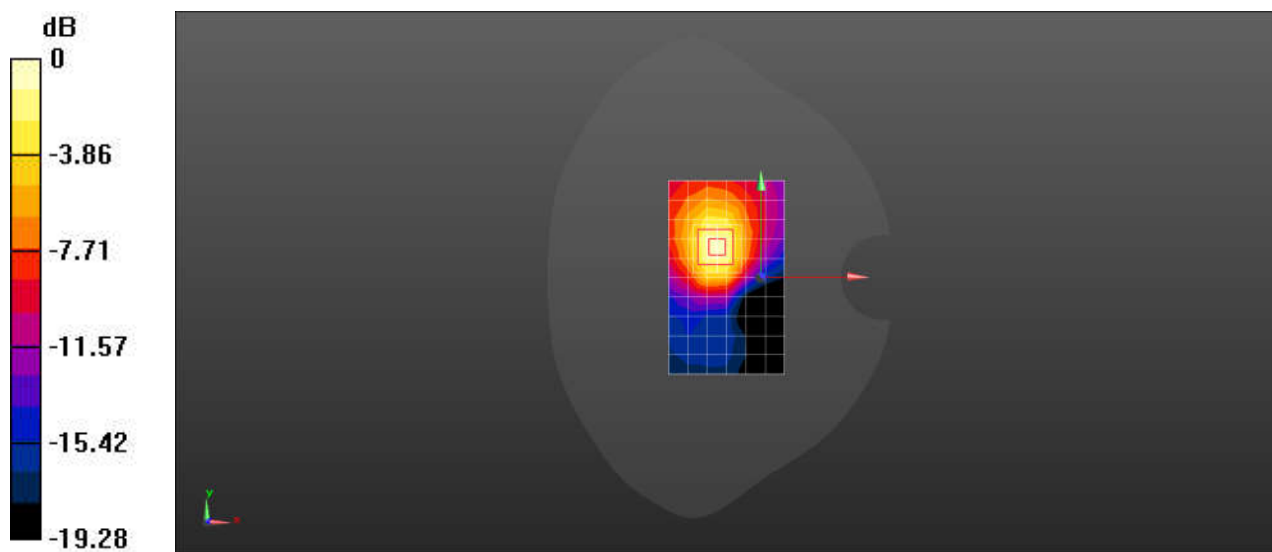
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.24 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.731 W/kg; SAR(10 g) = 0.381 W/kg

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



0 dB = 1.11 W/kg = 0.45 dBW/kg

Test Laboratory: SGS-SAR Lab

M8550 NR n48 40M QPSK 1RB1 Ch641666 Top Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, NR (0); Frequency: 3624.99 MHz; Duty Cycle: 1:1.58

Medium: HSL3700; Medium parameters used: $f = 3625$ MHz; $\sigma = 3.176$ S/m; $\epsilon_r = 37.617$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(7.08, 7.08, 7.08); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x19x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.687 W/kg

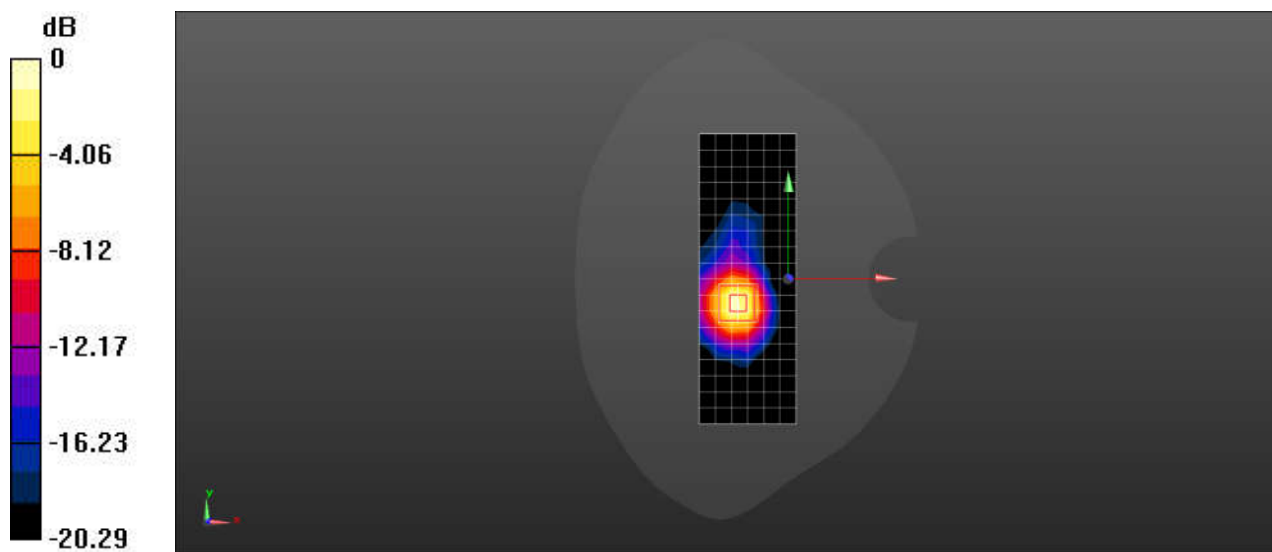
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.985 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.949 W/kg

SAR(1 g) = 0.448 W/kg; SAR(10 g) = 0.183 W/kg

Maximum value of SAR (measured) = 0.783 W/kg



0 dB = 0.783 W/kg = -1.06 dBW/kg

Test Laboratory: SGS-SAR Lab

M8550 NR n66 40M QPSK 1RB1 Ch349000 Front Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, NR (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used: $f = 1745$ MHz; $\sigma = 1.341$ S/m; $\epsilon_r = 40.116$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.86, 8.86, 8.86); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- 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) = 0.592 W/kg

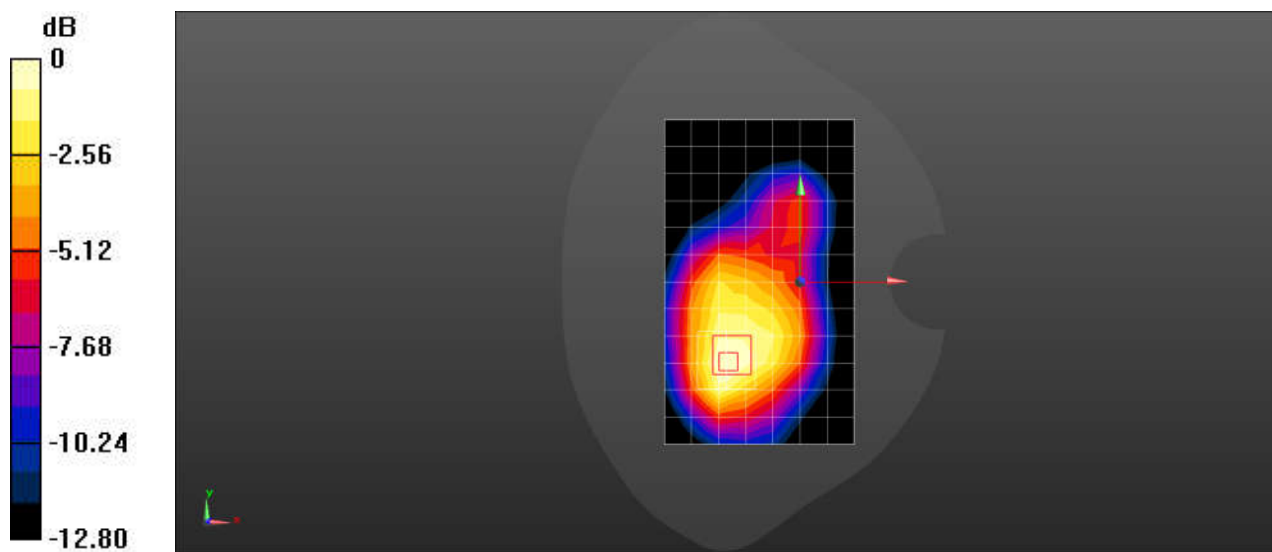
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.62 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.692 W/kg

SAR(1 g) = 0.455 W/kg; SAR(10 g) = 0.299 W/kg

Maximum value of SAR (measured) = 0.602 W/kg



0 dB = 0.602 W/kg = -2.20 dBW/kg

Test Laboratory: SGS-SAR Lab

M8550 NR n71 20M QPSK 50RB28 Ch136100 Back Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, NR (0); Frequency: 680.5 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used: $f = 680.5$ MHz; $\sigma = 0.851$ S/m; $\epsilon_r = 43.02$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(10.66, 10.66, 10.66); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- 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) = 0.745 W/kg

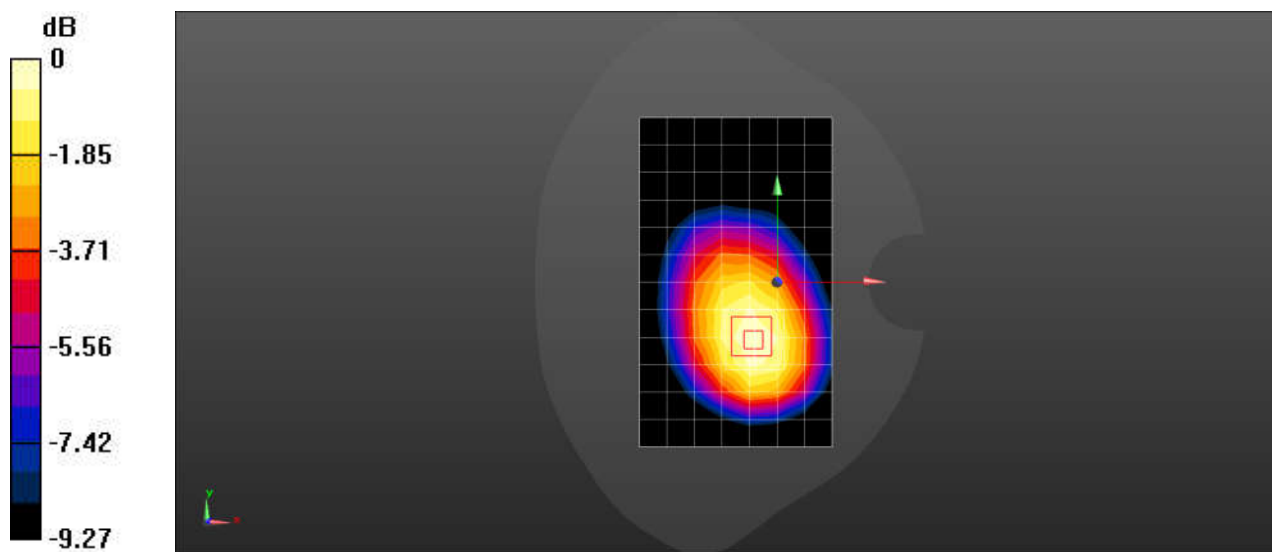
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.92 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.817 W/kg

SAR(1 g) = 0.573 W/kg; SAR(10 g) = 0.423 W/kg

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



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

Test Laboratory: SGS-SAR Lab

M8550 NR n77 100M QPSK 135RB69 Ch633334 Top Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, NR (0); Frequency: 3500 MHz; Duty Cycle: 1:1

Medium: HSL3500; Medium parameters used: $f = 3500$ MHz; $\sigma = 2.957$ S/m; $\epsilon_r = 39.04$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(7.28, 7.28, 7.28); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x19x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.14 W/kg

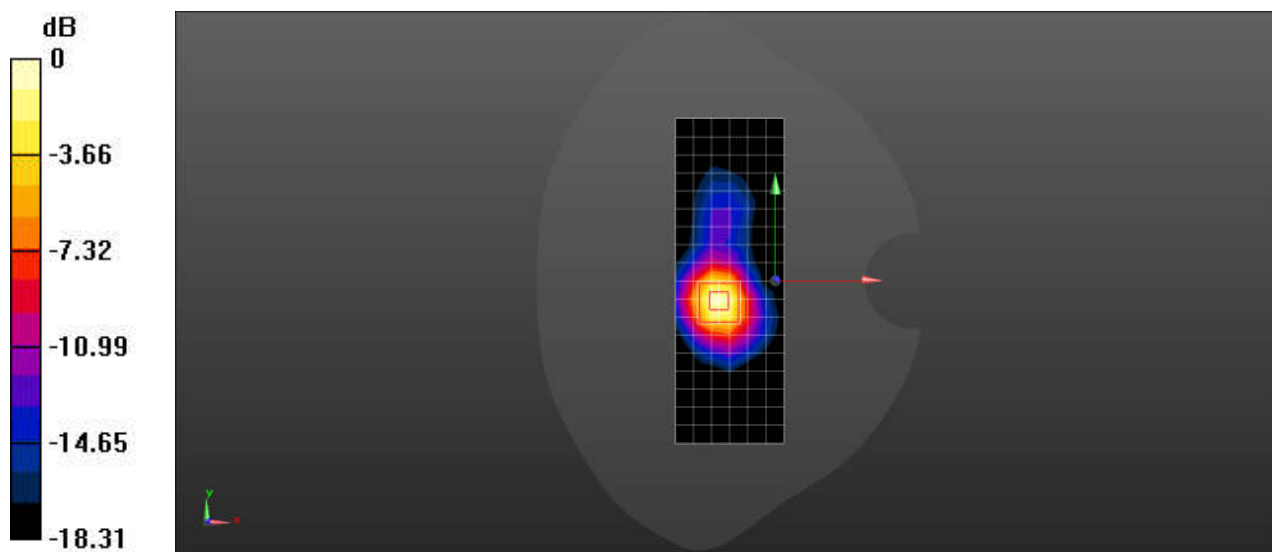
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.619 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.721 W/kg; SAR(10 g) = 0.307 W/kg

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



0 dB = 1.21 W/kg = 0.83 dBW/kg

Test Laboratory: SGS-SAR Lab

M8550 NR n77 100M QPSK 135RB69 Ch656000 Top Side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, NR (0); Frequency: 3840 MHz; Duty Cycle: 1:1

Medium: HSL3900; Medium parameters used: $f = 3840$ MHz; $\sigma = 3.383$ S/m; $\epsilon_r = 37.166$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(7.01, 7.01, 7.01); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x19x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.04 W/kg

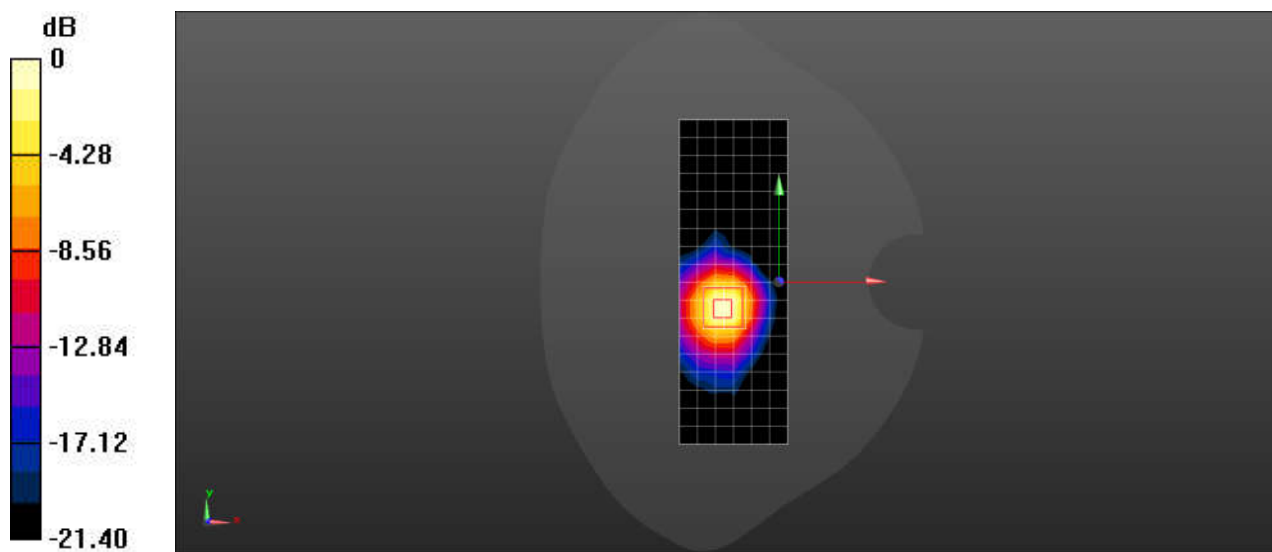
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.020 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.717 W/kg; SAR(10 g) = 0.307 W/kg

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



Test Laboratory: SGS-SAR Lab

M8550 WIFI2.4G 802.11b Ch1 Back side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2412 MHz; Duty Cycle: 1:1.018

Medium: HSL2450; Medium parameters used: $f = 2412$ MHz; $\sigma = 1.733$ S/m; $\epsilon_r = 40.222$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.1, 8.1, 8.1); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (11x16x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0477 W/kg

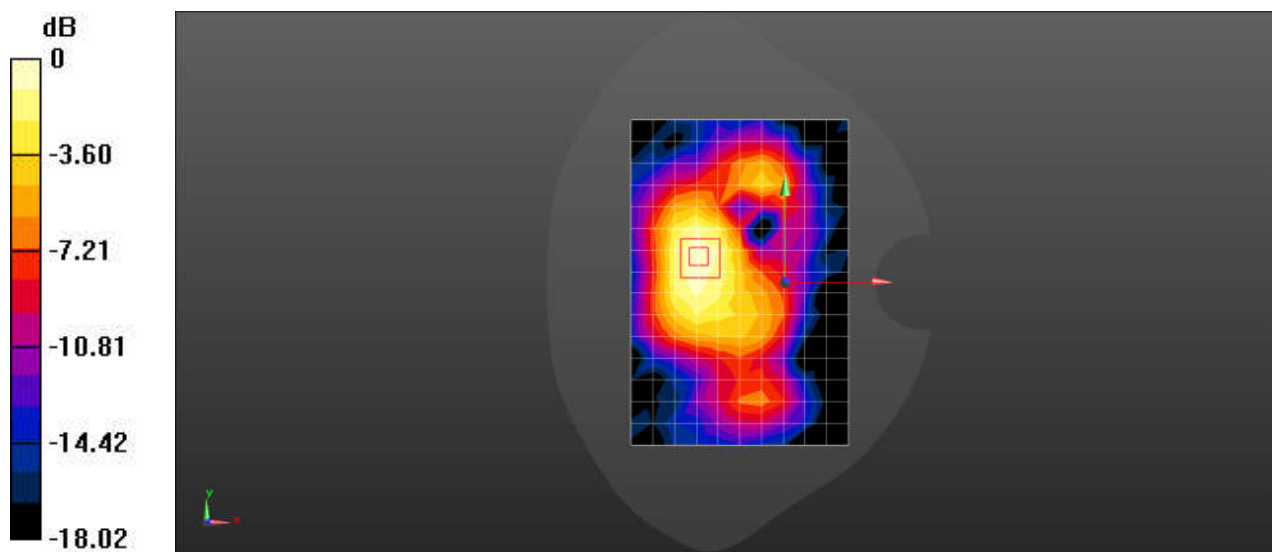
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.845 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.0590 W/kg

SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.020 W/kg

Maximum value of SAR (measured) = 0.0495 W/kg



0 dB = 0.0495 W/kg = -13.05 dBW/kg

Test Laboratory: SGS-SAR Lab

M8550 WIFI5G 802.11a Ch40 Top side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5200 MHz; Duty Cycle: 1:1.008

Medium: HSL5000; Medium parameters used: $f = 5200$ MHz; $\sigma = 4.793$ S/m; $\epsilon_r = 36.387$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(5.72, 5.72, 5.72); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x19x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.355 W/kg

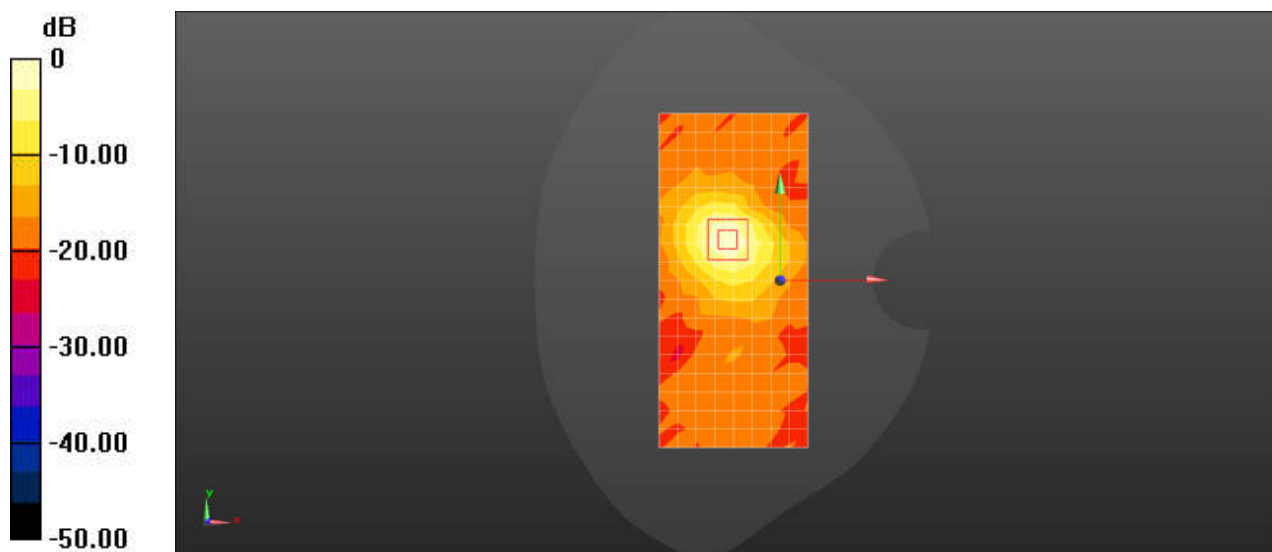
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.409 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.564 W/kg

SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.068 W/kg

Maximum value of SAR (measured) = 0.392 W/kg



Test Laboratory: SGS-SAR Lab

M8550 WIFI5G 802.11a Ch157 Top side 10mm

DUT: M8550; Type: 5G Mobile Wi-Fi; Serial: 352921970001420

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5785 MHz; Duty Cycle: 1:1.008

Medium: HSL5000; Medium parameters used: $f = 5785$ MHz; $\sigma = 5.459$ S/m; $\epsilon_r = 35.332$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(5.23, 5.23, 5.23); Calibrated: 2024/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1327; Calibrated: 2023/11/17
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x19x1): Measurement grid: dx=10mm, dy=10mm

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

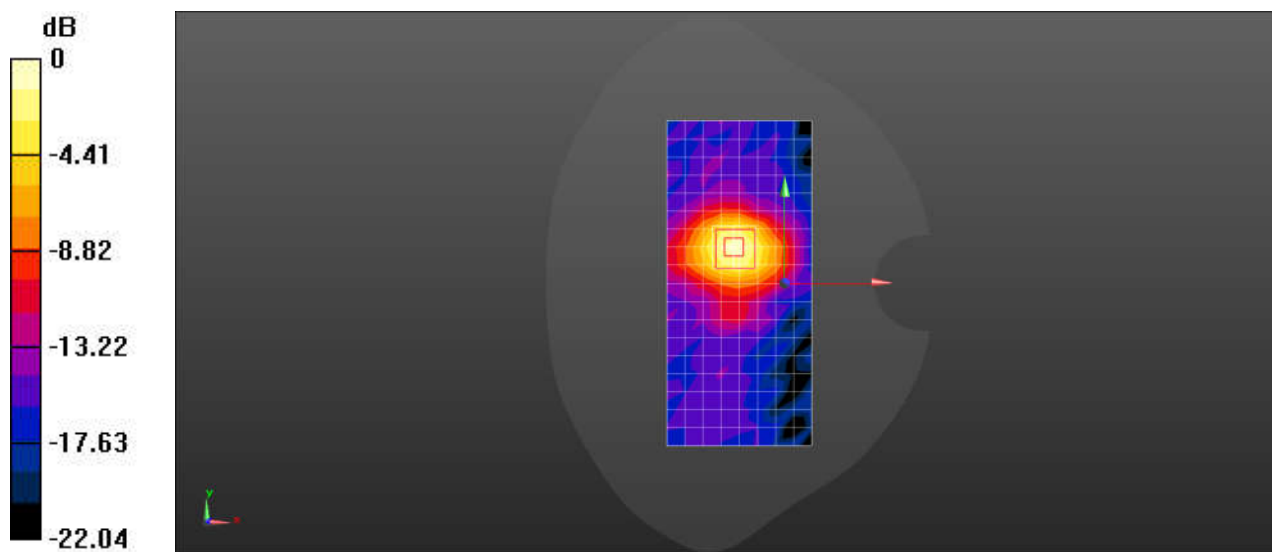
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.8460 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.535 W/kg

SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.061 W/kg

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



M8550 WIFI6G 802.11ax HE160 47CH Bottom side 10mm

Communication System: U-NII-5; Frequency: 6185.000

Medium: HSL. Medium parameters used: $f = 6185.000$ MHz; $\sigma = 5.78$ S/m; $\epsilon_r = 34.2$

DASY8 Configuration:

- Probe: EX3DV4 - SN7833; ConvF(4.74, 5.36, 4.91); Calibrated: 2023-08-24
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1826; Calibrated: 2023-12-27
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2155
- Measurement Software: cDASY8 V16.2.0.1425

Area Scan (51.0 mm x 170.0 mm): Measurement Grid: 8.5 mm x 8.5 mm

SAR (1g) = 0.128 W/kg; SAR (10g) = 0.047 W/kg;

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 3.4 mm x 3.4 mm x 1.4 mm

Power Drift = -0.15 dB

SAR (1g) = 0.145 W/kg; SAR (10g) = 0.051 W/kg;

