

Appendix B

Detailed Test Results

1. LTE
LTE Band 2 for Body
LTE Band 4 for Body
LTE Band 7 for Body
LTE Band 26 for Body
LTE Band 41 for Body
LTE Band 42 for Body
2. 5G NR
5G NR n77 for Body
5G NR n78 for Body
3. WIFI
WIFI 2.4G for Body
WIFI 5G for Body

Test Laboratory: SGS-SAR Lab

UNX-05G LTE Band 2 20M QPSK 1RB0 18900CH Tip Mode 23mm

DUT: UNX-05G; Type: Modem; Serial: 35494223000116

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

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ S/m; $\epsilon_r = 38.82$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.3, 7.3, 7.3); Calibrated: 2022-09-30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1455; Calibrated: 2021-12-29
- Phantom: SAM 3; Type: SAM; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

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

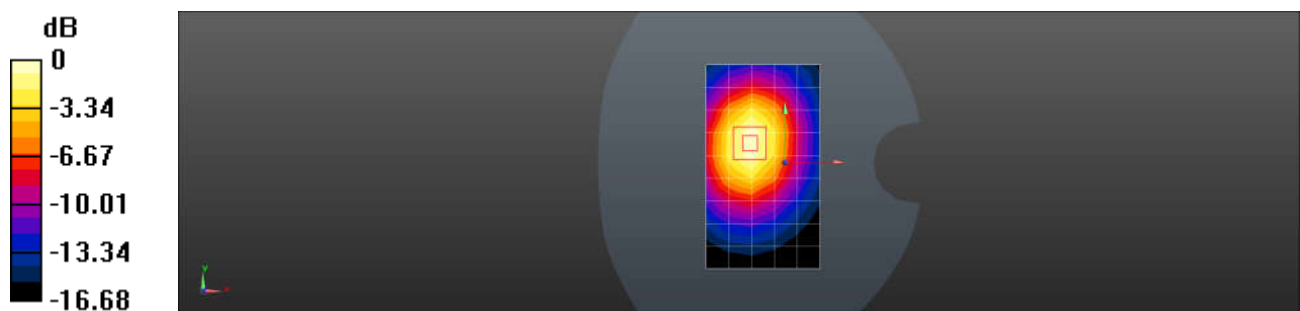
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.55 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.819 W/kg; SAR(10 g) = 0.528 W/kg

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



0 dB = 1.20 W/kg = 0.79 dBW/kg

Test Laboratory: SGS-SAR Lab

UNX-05G LTE Band 4 20M QPSK 1RB0 20175CH Horizontal-Down 14mm

DUT: UNX-05G; Type: Modem; Serial: 35494223000144

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

Medium: HSL1750; Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.365$ S/m; $\epsilon_r = 39.349$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.65, 7.65, 7.65); Calibrated: 2022-09-30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1455; Calibrated: 2021-12-29
- Phantom: SAM 3; Type: SAM; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (10x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.994 W/kg

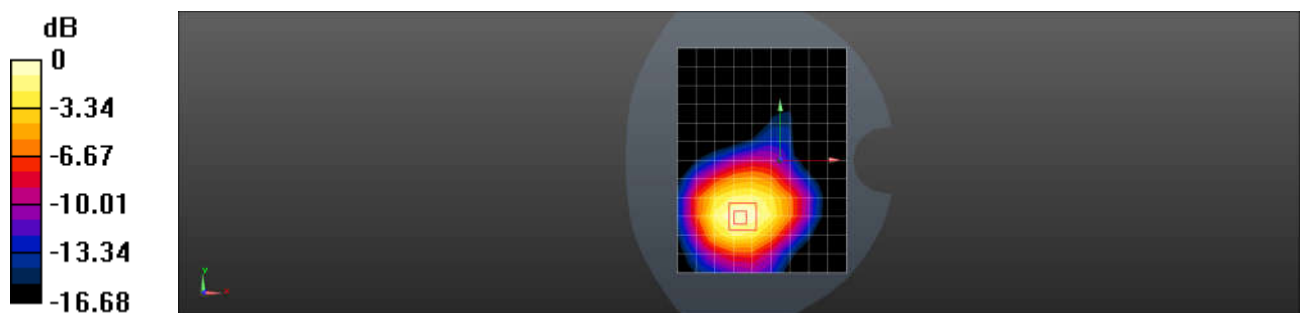
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.74 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.724 W/kg; SAR(10 g) = 0.443 W/kg

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



0 dB = 1.01 W/kg = 0.04 dBW/kg

Test Laboratory: SGS-SAR Lab

UNX-05G LTE Band 7 20M QPSK 1RB0 21100CH Vertical Back 23mm

DUT: UNX-05G; Type: Modem; Serial: 35494223000144

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

Medium: HSL2600; Medium parameters used: $f = 2535$ MHz; $\sigma = 1.892$ S/m; $\epsilon_r = 38.285$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.98, 6.98, 6.98); Calibrated: 2022-09-30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1455; Calibrated: 2021-12-29
- Phantom: SAM 3; Type: SAM; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x16x1): Measurement grid: dx=12mm, dy=12mm

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

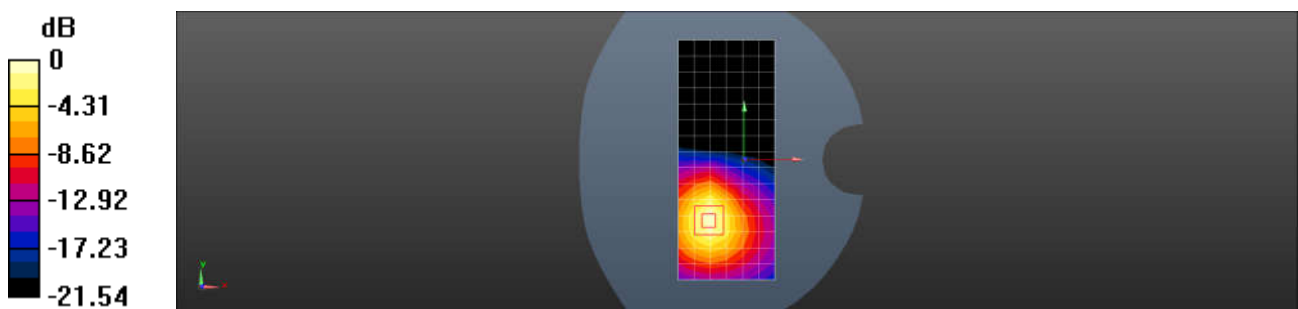
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.156 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.837 W/kg; SAR(10 g) = 0.391 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

UNX-05G LTE Band 26 15M QPSK 1RB0 26865CH Horizontal-Up 10mm

DUT: UNX-05G; Type: Modem; Serial: 35494223000144

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

Medium: HSL_835; Medium parameters used: $f = 831.5$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 42.308$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.76, 8.76, 8.76); Calibrated: 2022-09-30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1455; Calibrated: 2021-12-29
- Phantom: SAM 3; Type: SAM; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (10x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.563 W/kg

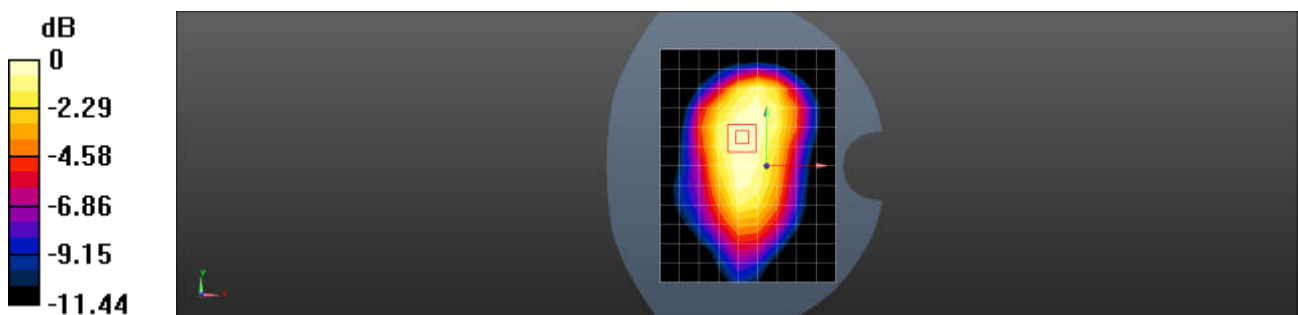
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.74 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.621 W/kg

SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.304 W/kg

Maximum value of SAR (measured) = 0.548 W/kg



0 dB = 0.548 W/kg = -2.61 dBW/kg

Test Laboratory: SGS-SAR Lab

UNX-05G LTE Band 41 20M QPSK 1RB0 40620CH Horizontal-Up 10mm

DUT: UNX-05G; Type: Modem; Serial: 35494223000144

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; $\sigma = 1.959$ S/m; $\epsilon_r = 38.091$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.8, 6.8, 6.8); Calibrated: 2022-09-30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1455; Calibrated: 2021-12-29
- Phantom: SAM 3; Type: SAM; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (12x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.449 W/kg

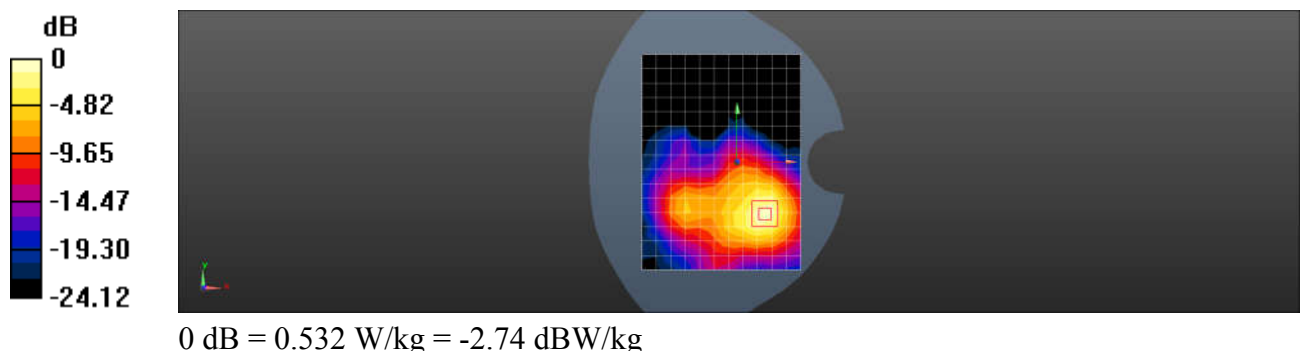
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.745 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.658 W/kg

SAR(1 g) = 0.534 W/kg; SAR(10 g) = 0.262 W/kg

Maximum value of SAR (measured) = 0.532 W/kg



Test Laboratory: SGS-SAR Lab

UNX-05G LTE Band 42 20M QPSK 1RB0 42590CH Horizontal-Up 10mm

DUT: UNX-05G; Type: Modem; Serial: 35494223000144

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 3500 MHz; Duty Cycle: 1:1.58

Medium: HSL3500; Medium parameters used: $f = 3500$ MHz; $\sigma = 3.02$ S/m; $\epsilon_r = 38.305$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.51, 6.51, 6.51); Calibrated: 2022-09-30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1455; Calibrated: 2021-12-29
- Phantom: SAM 3; Type: SAM; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (13x19x1): Measurement grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (measured) = 0.494 W/kg

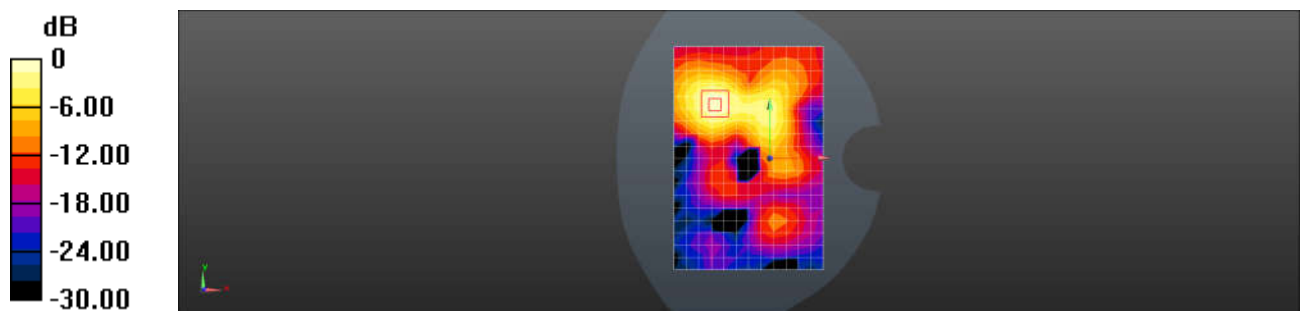
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 0.7150 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.687 W/kg

SAR(1 g) = 0.371 W/kg; SAR(10 g) = 0.182 W/kg

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



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

Test Laboratory: SGS-SAR Lab

UNX-05G 5G NR n77 100M QPSK 135RB69 633334CH Horizontal-Up 10mm

DUT: UNX-05G; Type: Modem; Serial: 35494223000144

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

Medium: HSL3500; Medium parameters used: $f = 3500$ MHz; $\sigma = 3.02$ S/m; $\epsilon_r = 38.305$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.51, 6.51, 6.51); Calibrated: 2022-09-30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1455; Calibrated: 2021-12-29
- Phantom: SAM 3; Type: SAM; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (13x19x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.573 W/kg

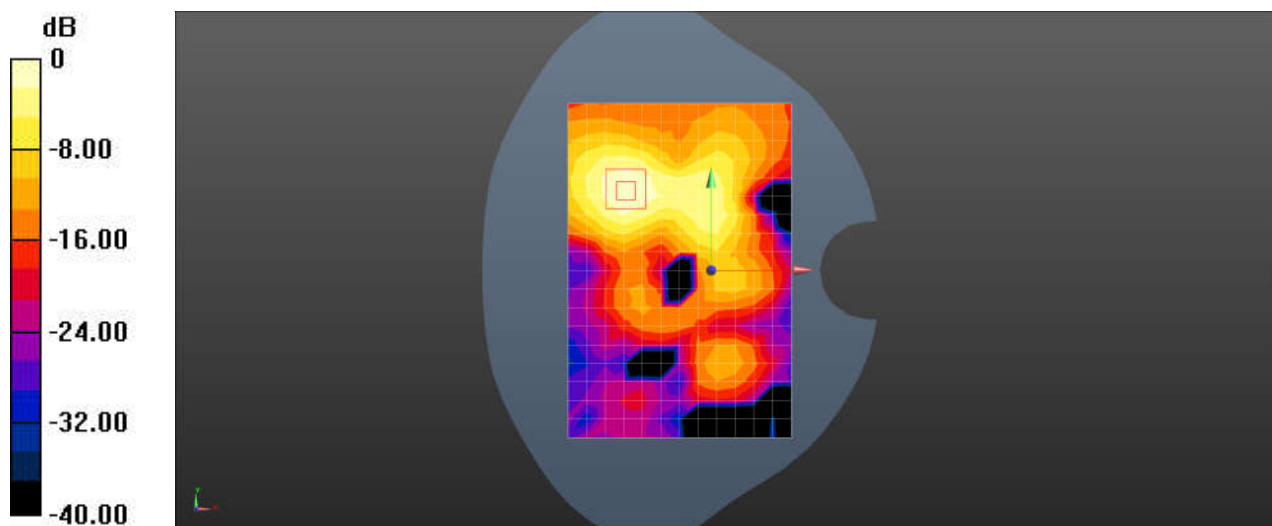
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.778 W/kg

SAR(1 g) = 0.519 W/kg; SAR(10 g) = 0.230 W/kg

Maximum value of SAR (measured) = 0.598 W/kg



0 dB = 0.573 W/kg = -2.42 dBW/kg

Test Laboratory: SGS-SAR Lab

UNX-05G 5G NR n77 100M QPSK 1RB1 656000CH Horizontal-Down 10mm

DUT: UNX-05G; Type: Modem; Serial: 35494223000144

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

Medium: HSL3900; Medium parameters used: $f = 3840$ MHz; $\sigma = 3.169$ S/m; $\epsilon_r = 37.554$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.2, 6.2, 6.2); Calibrated: 2022-09-30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1455; Calibrated: 2021-12-29
- Phantom: SAM 3; Type: SAM; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (12x17x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.468 W/kg

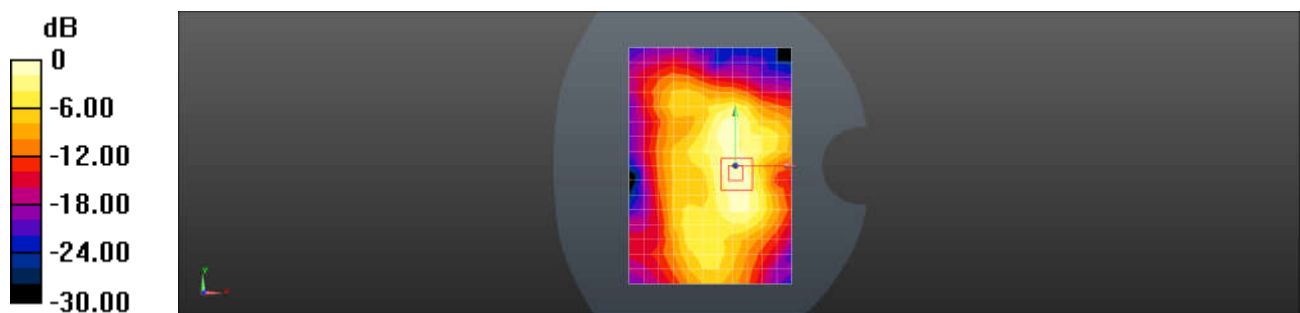
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.507 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.704 W/kg

SAR(1 g) = 0.575 W/kg; SAR(10 g) = 0.257 W/kg

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



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

Test Laboratory: SGS-SAR Lab

UNIX-05G 5G NR n78 100M QPSK 135RB69 633334CH Horizontal-Down 14mm

DUT: UNIX-05G; Type: Modem; Serial: 35494223000144

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

Medium: HSL3500; Medium parameters used: $f = 3500$ MHz; $\sigma = 3.02$ S/m; $\epsilon_r = 38.305$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.51, 6.51, 6.51); Calibrated: 2022-09-30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1455; Calibrated: 2021-12-29
- Phantom: SAM 3; Type: SAM; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (13x19x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.985 W/kg

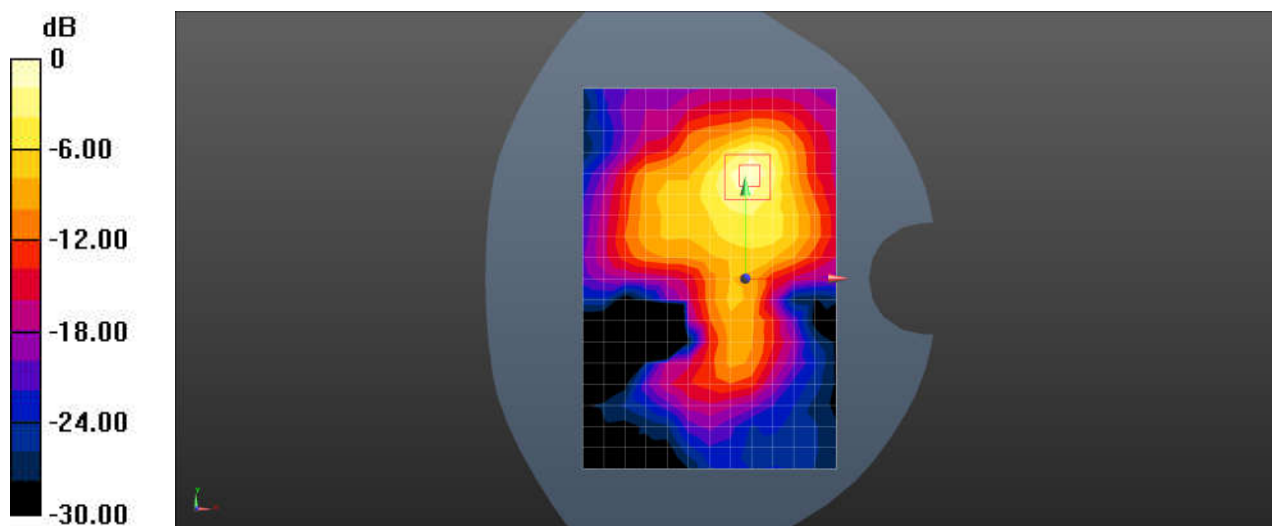
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.103 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.601 W/kg; SAR(10 g) = 0.294 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

UNIX-05G 5G NR n78 100M QPSK 135RB69 650000CH Horizontal-Down 10mm

DUT: UNIX-05G; Type: Modem; Serial: 35494223000144

Communication System: UID 0, NR (0); Frequency: 3750 MHz; Duty Cycle: 1:1

Medium: HSL3700; Medium parameters used: $f = 3750$ MHz; $\sigma = 3.045$ S/m; $\epsilon_r = 37.831$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.35, 6.35, 6.35); Calibrated: 2022-09-30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1455; Calibrated: 2021-12-29
- Phantom: SAM 3; Type: SAM; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (12x17x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.989 W/kg

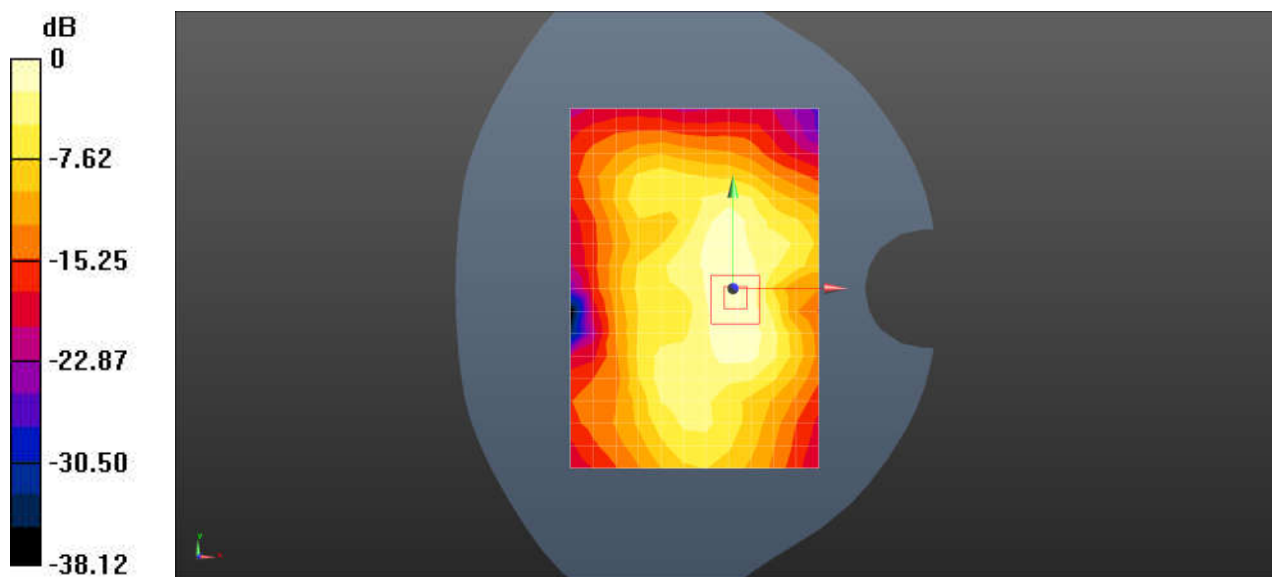
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 12.14 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.585 W/kg; SAR(10 g) = 0.264 W/kg

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



Test Laboratory: SGS-SAR Lab

UNX-05G Wifi 2.4G 802.11n 6CH Horizontal-Down 10mm

DUT: UNX-05G; Type: Modem; Serial: 35494223000144

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

Medium: HSL2450; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.777$ S/m; $\epsilon_r = 38.454$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.98, 6.98, 6.98); Calibrated: 2022-09-30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1455; Calibrated: 2021-12-29
- Phantom: SAM 3; Type: SAM; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (12x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.377 W/kg

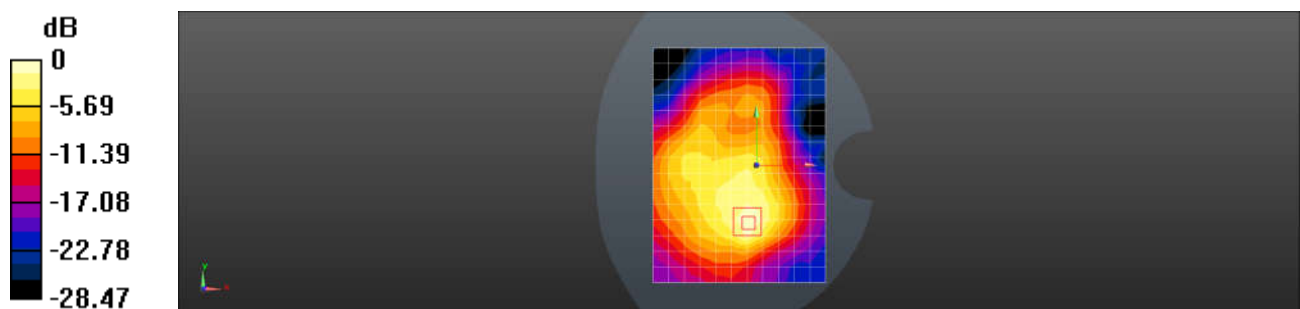
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.473 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.507 W/kg

SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.116 W/kg

Maximum value of SAR (measured) = 0.391 W/kg



0 dB = 0.391 W/kg = -4.08 dBW/kg

Test Laboratory: SGS-SAR Lab

UNIX-05G Wifi 5G 802.11ac 80M 58CH Vertical Back 10mm

DUT: UNIX-05G; Type: Modem; Serial: 35494223000144

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5290 MHz; Duty Cycle: 1:1

Medium: HSL5000; Medium parameters used: $f = 5290$ MHz; $\sigma = 4.775$ S/m; $\epsilon_r = 35.467$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(5.02, 5.02, 5.02); Calibrated: 2022-09-30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1455; Calibrated: 2021-12-29
- Phantom: SAM 3; Type: SAM; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x16x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.946 W/kg

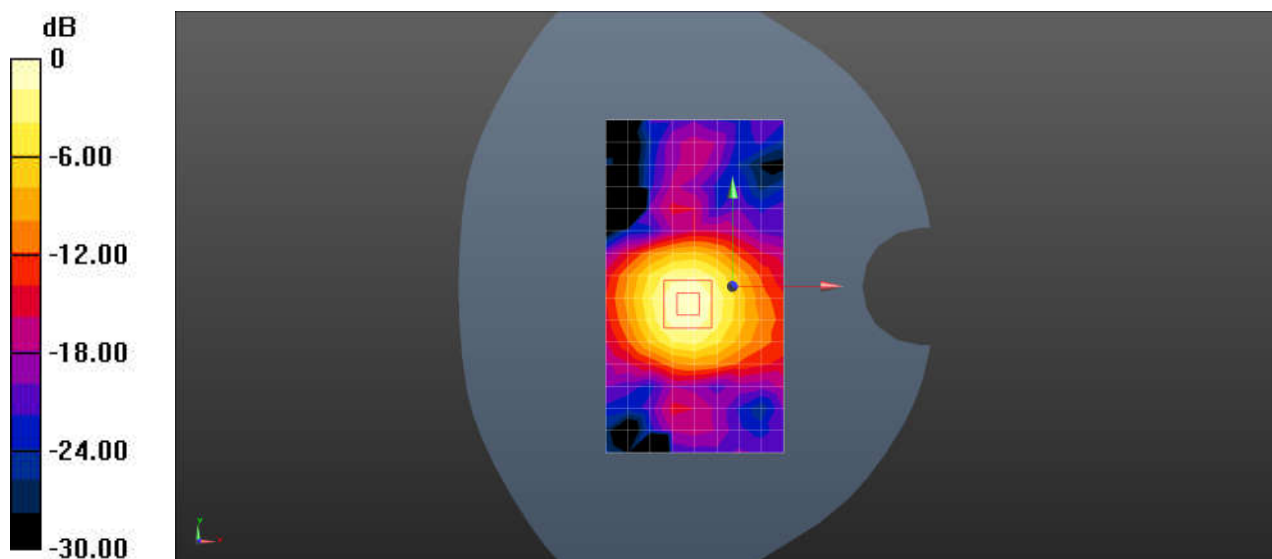
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.24 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.464 W/kg; SAR(10 g) = 0.180 W/kg

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



0 dB = 0.946 W/kg = -0.24 dBW/kg

Test Laboratory: SGS-SAR Lab

UNX-05G Wifi 5G 802.11ac 80M 106CH Horizontal-Down 10mm

DUT: UNX-05G; Type: Modem; Serial: 35494223000144

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5530 MHz;Duty Cycle: 1:1

Medium: HSL5000;Medium parameters used: $f = 5530$ MHz; $\sigma = 5.09$ S/m; $\epsilon_r = 34.794$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(4.43, 4.43, 4.43); Calibrated: 2022-09-30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1455; Calibrated: 2021-12-29
- Phantom: SAM 3; Type: SAM; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (13x19x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.821 W/kg

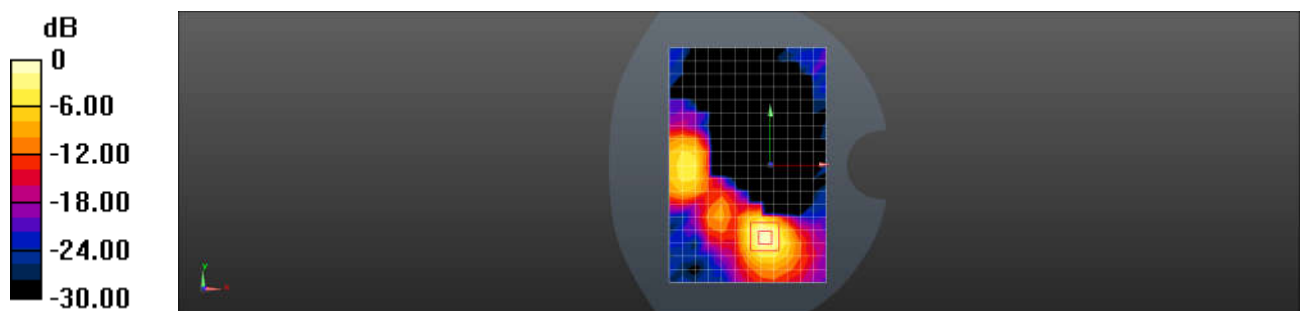
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.142 W/kg

Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg = 0.13 dBW/kg