



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

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Rev.: 01

Appendix B

Detailed Test Results

1. GSM
GSM850
GSM1900
2. WCDMA
WCDMA Band II
WCDMA Band V
3. LTE
LTE Band 2
LTE Band 4
LTE Band 5
LTE Band 7
LTE Band 38
4. WIFI
WIFI 2.4G
WIFI 5G
5. BT
BT

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Test Laboratory: SGS-SAR Lab

A90 Pro GSM850 GPRS 4TS Ch190 Back side 0mm

DUT: A90 Pro; Type: Android POS Terminal; Serial: 869737050676607

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; $\sigma = 0.892$ S/m; $\epsilon_r = 42.305$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(10.35, 10.35, 10.35); Calibrated: 2024/04/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (8x15x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 3.63 W/kg

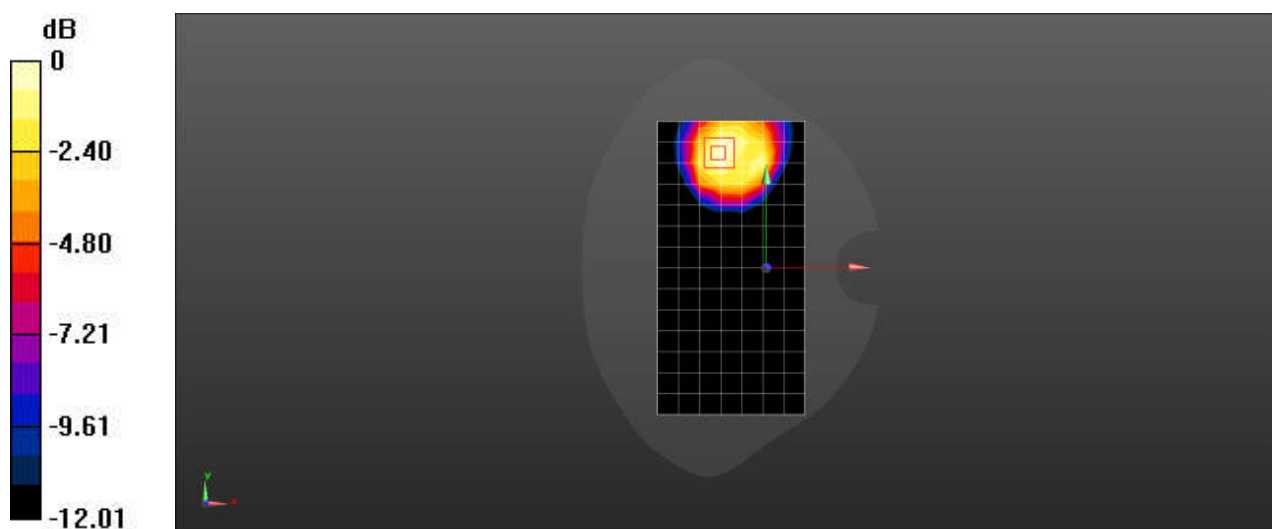
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.497 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 4.49 W/kg

SAR(1 g) = 2.75 W/kg; SAR(10 g) = 1.7 W/kg

Maximum value of SAR (measured) = 3.77 W/kg



0 dB = 3.77 W/kg = 5.76 dBW/kg

Test Laboratory: SGS-SAR Lab

A90 Pro GSM1900 GPRS 4TS Ch661 Back side 0mm

DUT: A90 Pro; Type: Android POS Terminal; Serial: 869737050676607

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

Medium: HSL1950; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.325$ S/m; $\epsilon_r = 39.371$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.5, 8.5, 8.5); Calibrated: 2024/04/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (8x15x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 3.01 W/kg

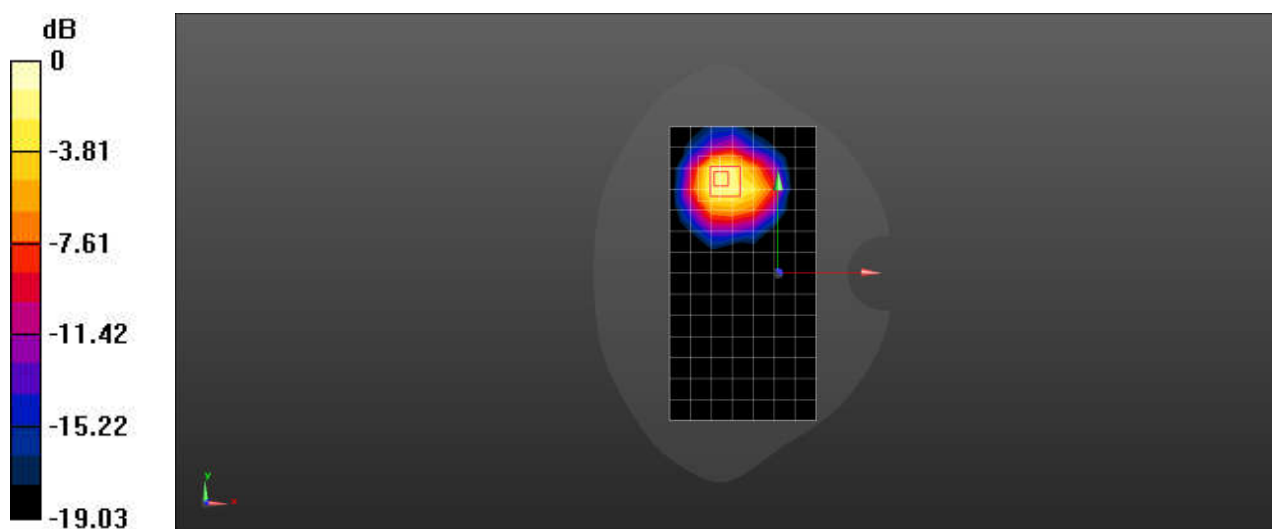
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.934 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 4.86 W/kg

SAR(1 g) = 2.85 W/kg; SAR(10 g) = 1.59 W/kg

Maximum value of SAR (measured) = 4.09 W/kg



0 dB = 4.09 W/kg = 6.12 dBW/kg

Test Laboratory: SGS-SAR Lab

A90 Pro WCDMA II RMC Ch9400 Back side 0mm

DUT: A90 Pro; Type: Android POS Terminal; Serial: 869737050676607

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

Medium: HSL1950; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.325$ S/m; $\epsilon_r = 39.371$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.5, 8.5, 8.5); Calibrated: 2024/04/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.05 W/kg

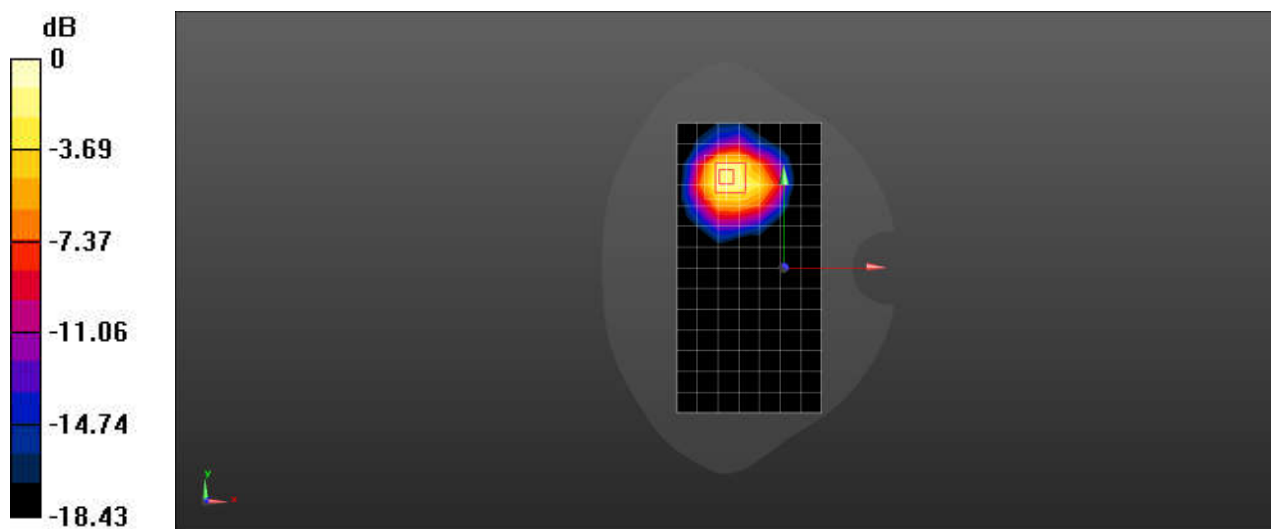
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.951 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 7.71 W/kg

SAR(1 g) = 4.59 W/kg; SAR(10 g) = 2.55 W/kg

Maximum value of SAR (measured) = 6.53 W/kg



0 dB = 6.53 W/kg = 8.15 dBW/kg

Test Laboratory: SGS-SAR Lab

A90 Pro WCDMA V RMC Ch4182 Back side 0mm

DUT: A90 Pro; Type: Android POS Terminal; Serial: 869737050676607

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

Medium: HSL835; Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 42.445$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(10.35, 10.35, 10.35); Calibrated: 2024/04/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.82 W/kg

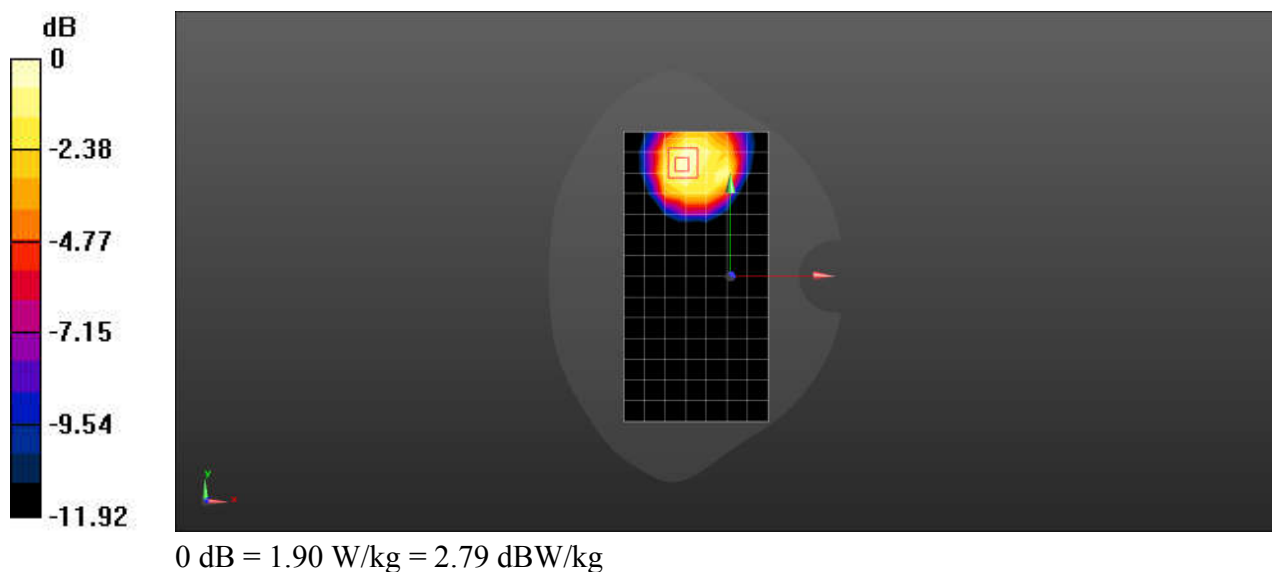
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.318 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.27 W/kg

SAR(1 g) = 1.38 W/kg; SAR(10 g) = 0.851 W/kg

Maximum value of SAR (measured) = 1.90 W/kg



Test Laboratory: SGS-SAR Lab

A90 Pro LTE Band 2 20M QPSK 1RB0 Ch18900 Back side 0mm

DUT: A90 Pro; Type: Android POS Terminal; Serial: 869737050676607

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

Medium: HSL1950; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.325$ S/m; $\epsilon_r = 39.371$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.5, 8.5, 8.5); Calibrated: 2024/04/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.03 W/kg

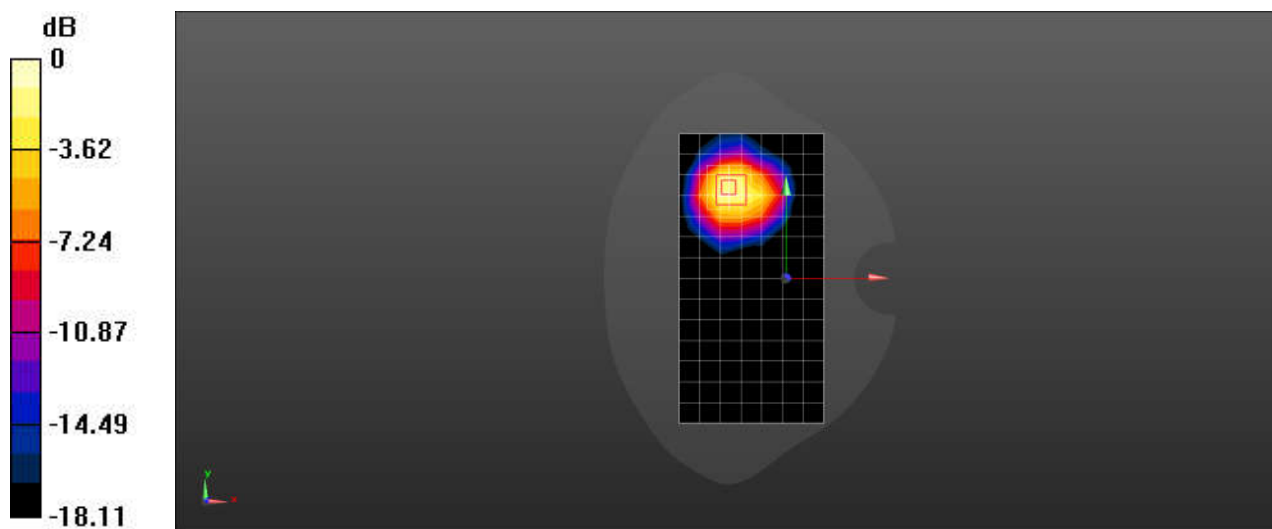
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.229 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 7.25 W/kg

SAR(1 g) = 4.35 W/kg; SAR(10 g) = 2.44 W/kg

Maximum value of SAR (measured) = 6.14 W/kg



0 dB = 6.14 W/kg = 7.88 dBW/kg

Test Laboratory: SGS-SAR Lab

A90 Pro LTE Band 4 20M QPSK 1RB0 Ch20175 Back side 0mm

DUT: A90 Pro; Type: Android POS Terminal; Serial: 869737050676607

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; $\sigma = 1.304$ S/m; $\epsilon_r = 38.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.86, 8.86, 8.86); Calibrated: 2024/04/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.42 W/kg

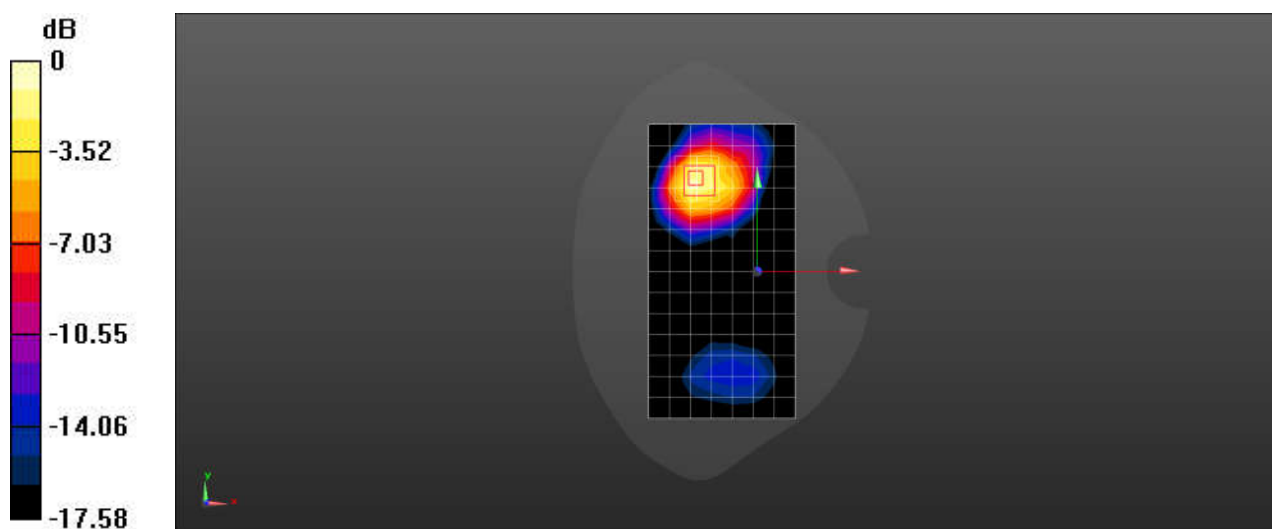
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.289 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 4.83 W/kg

SAR(1 g) = 2.79 W/kg; SAR(10 g) = 1.57 W/kg

Maximum value of SAR (measured) = 3.92 W/kg



0 dB = 3.92 W/kg = 5.93 dBW/kg

Test Laboratory: SGS-SAR Lab

A90 Pro LTE Band 5 10M QPSK 1RB0 Ch20525 Back side 0mm

DUT: A90 Pro; Type: Android POS Terminal; Serial: 869737050676607

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.895$ S/m; $\epsilon_r = 42.422$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(10.35, 10.35, 10.35); Calibrated: 2024/04/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (8x15x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 1.65 W/kg

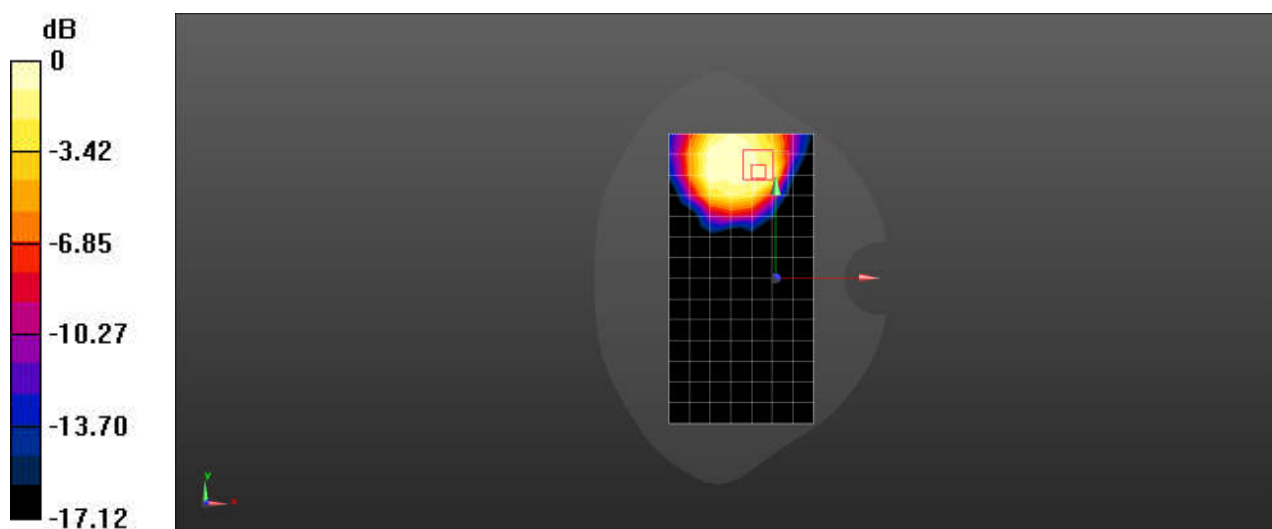
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.134 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.614 W/kg

Maximum value of SAR (measured) = 1.46 W/kg



0 dB = 1.46 W/kg = 1.64 dBW/kg

Test Laboratory: SGS-SAR Lab

A90 Pro LTE Band 7 20M QPSK 1RB0 Ch21100 Back side 0mm

DUT: A90 Pro; Type: Android POS Terminal; Serial: 869737050676607

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

Medium: HSL2600; Medium parameters used: $f = 2535$ MHz; $\sigma = 1.9$ S/m; $\epsilon_r = 38.882$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.1, 8.1, 8.1); Calibrated: 2024/04/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (10x18x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 8.70 W/kg

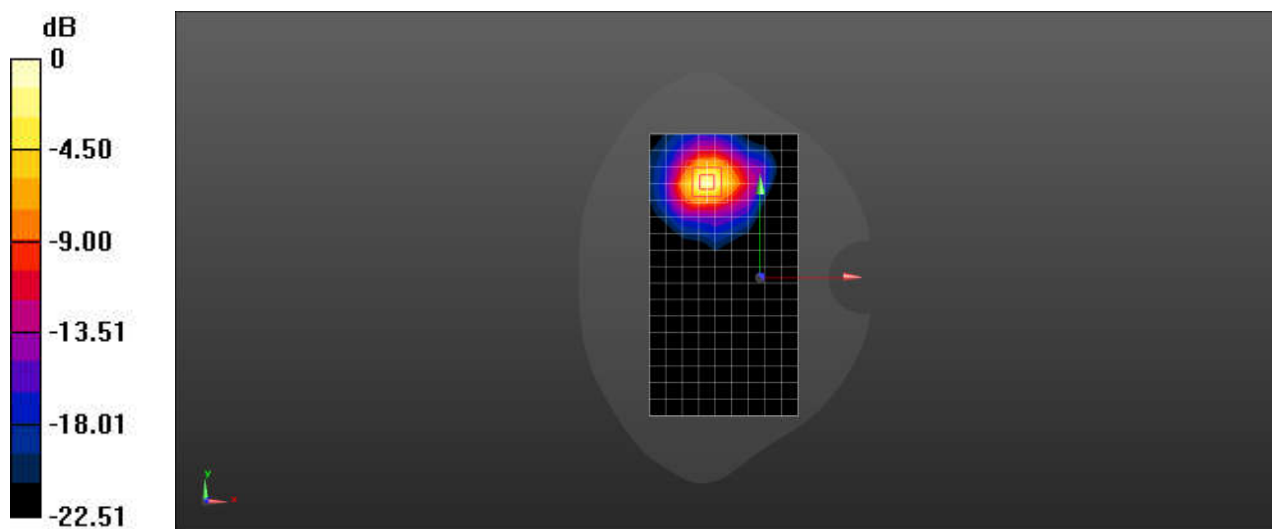
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.971 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 13.0 W/kg

SAR(1 g) = 6.42 W/kg; SAR(10 g) = 2.84 W/kg

Maximum value of SAR (measured) = 10.7 W/kg



Test Laboratory: SGS-SAR Lab

A90 Pro LTE Band 38 20M QPSK 1RB0 Ch38000 Back side 0mm

DUT: A90 Pro; Type: Android POS Terminal; Serial: 869737050676607

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2595 MHz; Duty Cycle: 1:1.58

Medium: HSL2600; Medium parameters used: $f = 2595$ MHz; $\sigma = 1.964$ S/m; $\epsilon_r = 38.653$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(7.85, 7.85, 7.85); Calibrated: 2024/04/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (10x18x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 7.67 W/kg

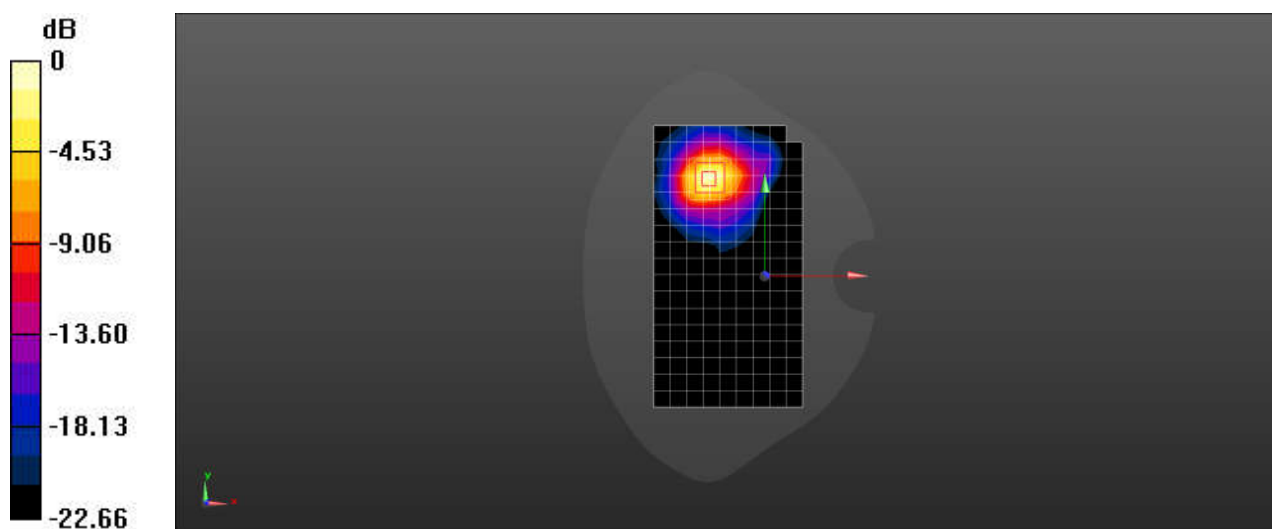
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.313 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 10.7 W/kg

SAR(1 g) = 5.28 W/kg; SAR(10 g) = 2.32 W/kg

Maximum value of SAR (measured) = 8.36 W/kg



0 dB = 8.36 W/kg = 9.22 dBW/kg

Test Laboratory: SGS-SAR Lab

A90 Pro WIFI2.4G 802.11b Ch11 Right side 0mm

DUT: A90 Pro; Type: Android POS Terminal; Serial: 869737050676607

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; $\sigma = 1.816$ S/m; $\epsilon_r = 38.863$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.1, 8.1, 8.1); Calibrated: 2024/04/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (10x18x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 2.69 W/kg

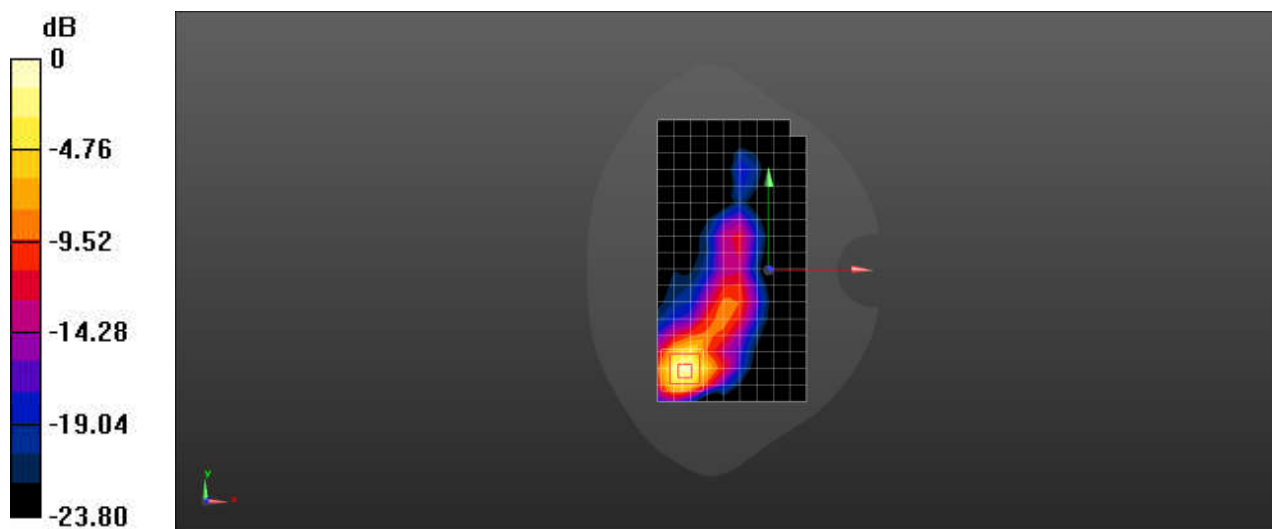
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.50 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 3.99 W/kg

SAR(1 g) = 1.9 W/kg; SAR(10 g) = 0.837 W/kg

Maximum value of SAR (measured) = 3.18 W/kg



Test Laboratory: SGS-SAR Lab

A90 Pro WIFI5G 802.11a Ch36 Right side 0mm

DUT: A90 Pro; Type: Android POS Terminal; Serial: 869737050676607

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5180 MHz; Duty Cycle: 1:1.071

Medium: HSL5000; Medium parameters used: $f = 5180$ MHz; $\sigma = 4.652$ S/m; $\epsilon_r = 36.814$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(5.72, 5.72, 5.72); Calibrated: 2024/04/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (12x22x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.42 W/kg

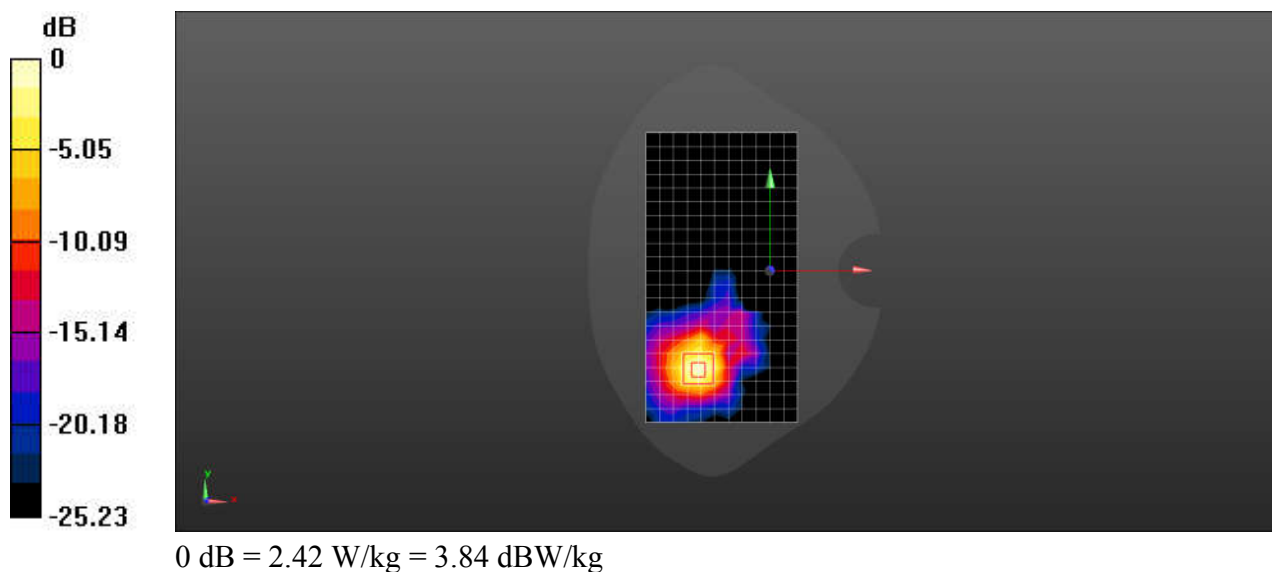
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.455 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 3.48 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.416 W/kg

Maximum value of SAR (measured) = 2.42 W/kg



Test Laboratory: SGS-SAR Lab

A90 Pro WIFI5G 802.11a Ch100 Right side 0mm

DUT: A90 Pro; Type: Android POS Terminal; Serial: 869737050676607

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5500 MHz; Duty Cycle: 1:1.071

Medium: HSL5000; Medium parameters used: $f = 5500$ MHz; $\sigma = 5.03$ S/m; $\epsilon_r = 36.346$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(5.1, 5.1, 5.1); Calibrated: 2024/04/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (12x22x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.58 W/kg

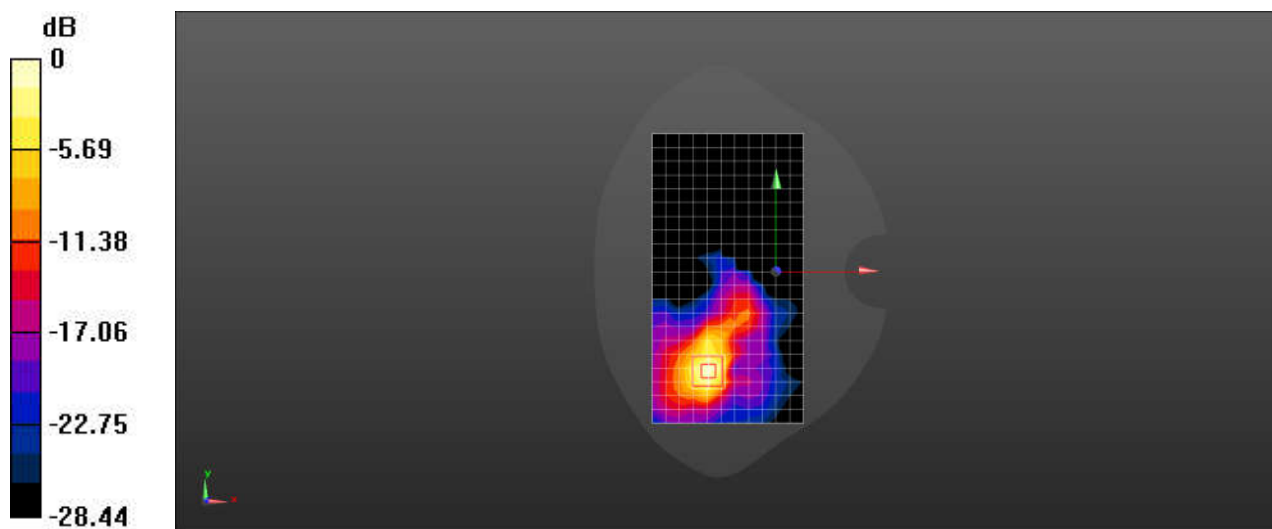
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.514 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 4.02 W/kg

SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.408 W/kg

Maximum value of SAR (measured) = 2.67 W/kg



0 dB = 2.67 W/kg = 4.27 dBW/kg

Test Laboratory: SGS-SAR Lab

A90 Pro WIFI5G 802.11a Ch149 Right side 0mm

DUT: A90 Pro; Type: Android POS Terminal; Serial: 869737050676607

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5745 MHz; Duty Cycle: 1:1.071

Medium: HSL5000; Medium parameters used: $f = 5745$ MHz; $\sigma = 5.314$ S/m; $\epsilon_r = 35.854$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(5.23, 5.23, 5.23); Calibrated: 2024/04/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (12x22x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 3.00 W/kg

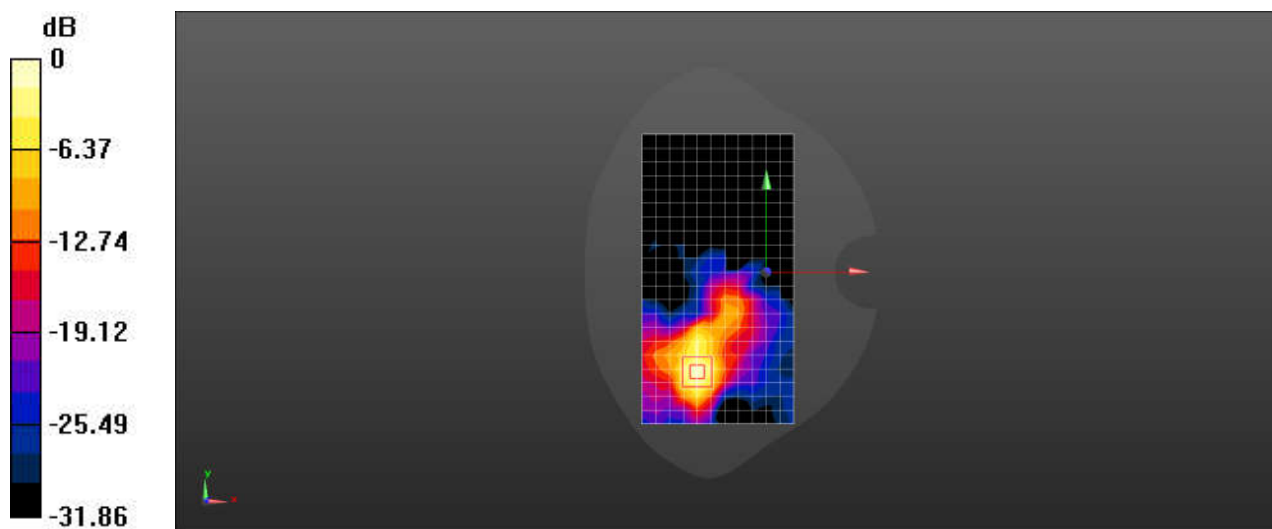
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.016 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 4.74 W/kg

SAR(1 g) = 1.3 W/kg; SAR(10 g) = 0.449 W/kg

Maximum value of SAR (measured) = 2.99 W/kg



Test Laboratory: SGS-SAR Lab

A90 Pro Bluetooth DH Ch0 Right side 0mm

DUT: A90 Pro; Type: Android POS Terminal; Serial: 869737050676607

Communication System: UID 0, Bluetooth (0); Frequency: 2402 MHz; Duty Cycle: 1:2.129

Medium: HSL2450; Medium parameters used: $f = 2402$ MHz; $\sigma = 1.745$ S/m; $\epsilon_r = 39.096$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(8.1, 8.1, 8.1); Calibrated: 2024/04/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (10x18x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.157 W/kg

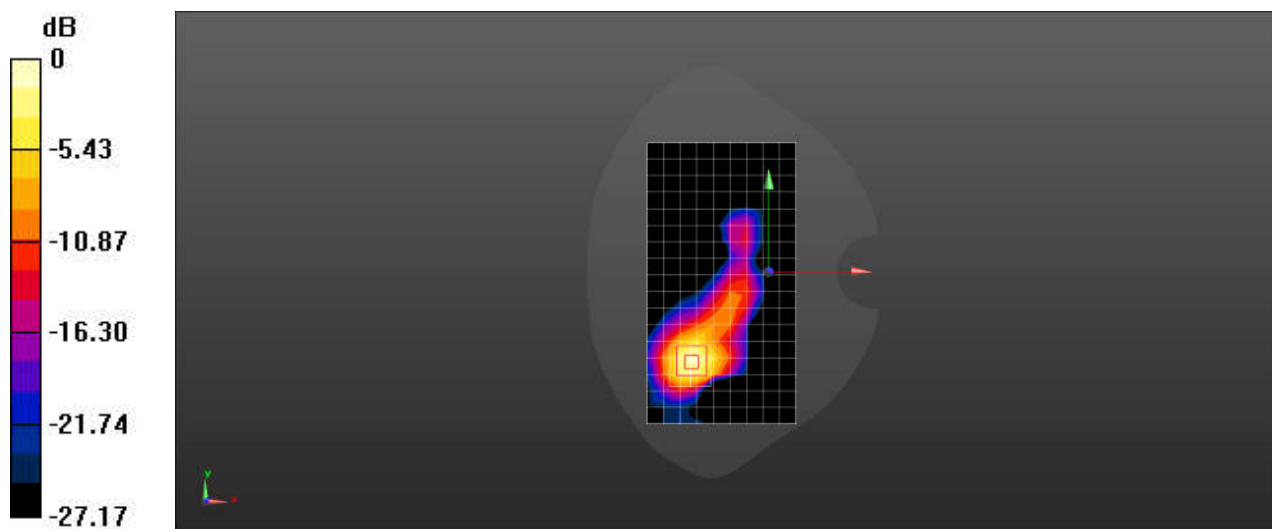
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.213 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.241 W/kg

SAR(1 g) = 0.115 W/kg; SAR(10 g) = 0.051 W/kg

Maximum value of SAR (measured) = 0.189 W/kg



0 dB = 0.189 W/kg = -7.24 dBW/kg