



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

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Appendix B

Detailed Test Results

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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Test Laboratory: SGS-SAR Lab

V77 GSM850 GPRS 2TS Ch190 Back side 0mm

DUT: V77; Type: Portable POS Terminal; Serial: 860507070001750

Communication System: UID 0, GPRS/EGPRS Mode(2up) Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.15

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) = 4.00 W/kg

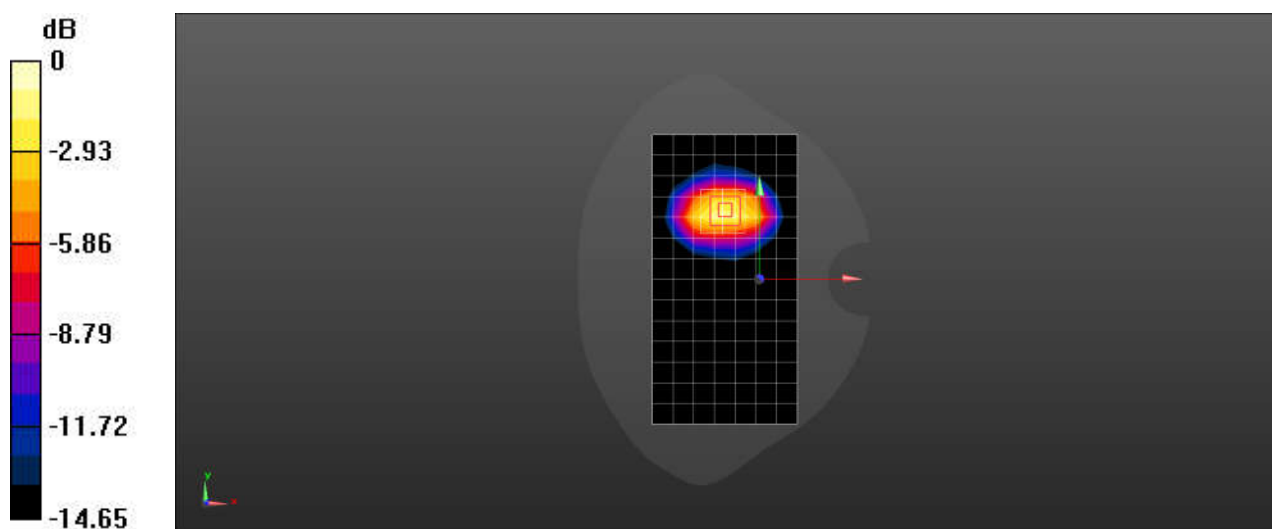
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.670 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 6.44 W/kg

SAR(1 g) = 3.44 W/kg; SAR(10 g) = 1.9 W/kg

Maximum value of SAR (measured) = 5.32 W/kg



Test Laboratory: SGS-SAR Lab

V77 GSM1900 GPRS 2TS Ch810 Left side 0mm

DUT: V77; Type: Portable POS Terminal; Serial: 860507070001750

Communication System: UID 0, GPRS/EGPRS Mode(2up) Communication System (0); Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium: HSL1950; Medium parameters used: $f = 1910$ MHz; $\sigma = 1.352$ S/m; $\epsilon_r = 39.24$; $\rho = 1000$ 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) = 0.544 W/kg

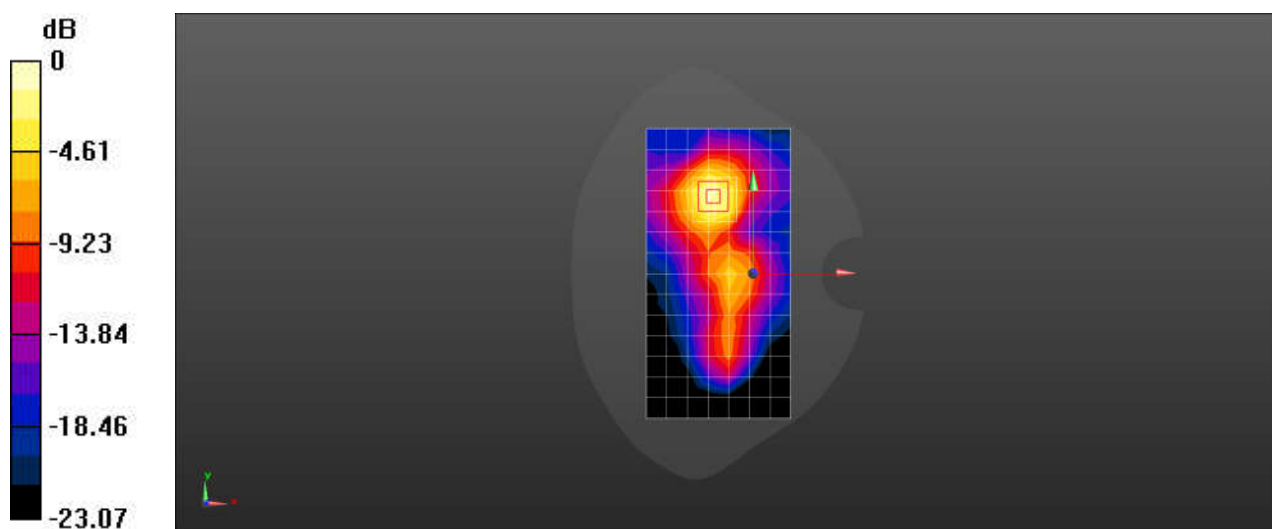
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.921 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.758 W/kg

SAR(1 g) = 0.403 W/kg; SAR(10 g) = 0.213 W/kg

Maximum value of SAR (measured) = 0.631 W/kg



0 dB = 0.631 W/kg = -2.00 dBW/kg

Test Laboratory: SGS-SAR Lab

V77 LTE Band 2 20M QPSK 1RB0 Ch18900 Left side 0mm

DUT: V77; Type: Portable POS Terminal; Serial: 860507070001750

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) = 0.925 W/kg

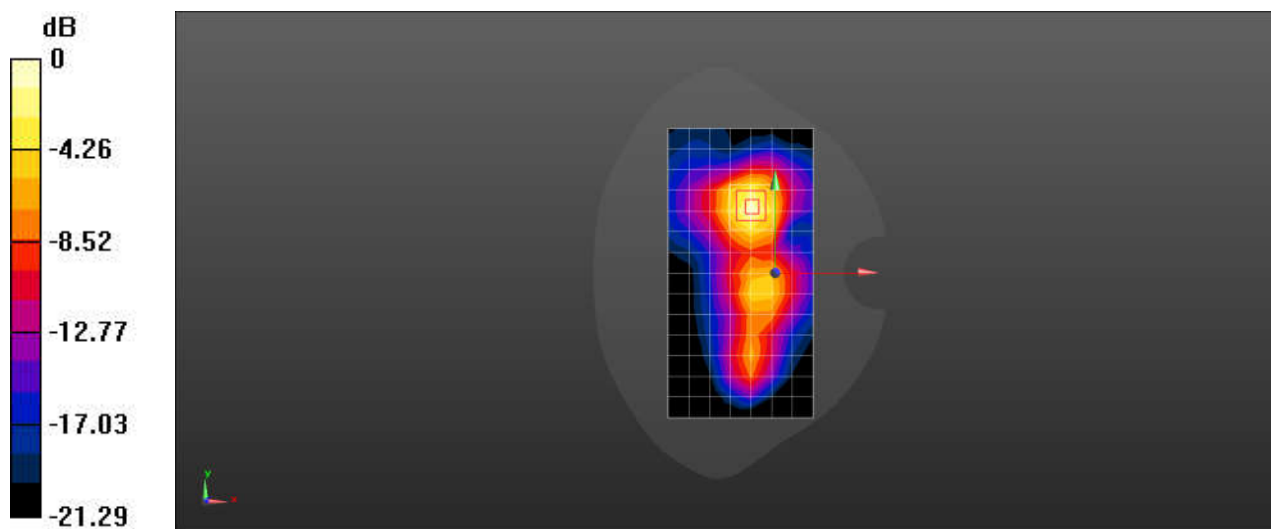
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.50 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.586 W/kg; SAR(10 g) = 0.308 W/kg

Maximum value of SAR (measured) = 0.925 W/kg



0 dB = 0.925 W/kg = -0.34 dBW/kg

Test Laboratory: SGS-SAR Lab

V77 LTE Band 4 20M QPSK 1RB0 Ch20175 Right side 0mm

DUT: V77; Type: Portable POS Terminal; Serial: 860507070001750

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) = 1.31 W/kg

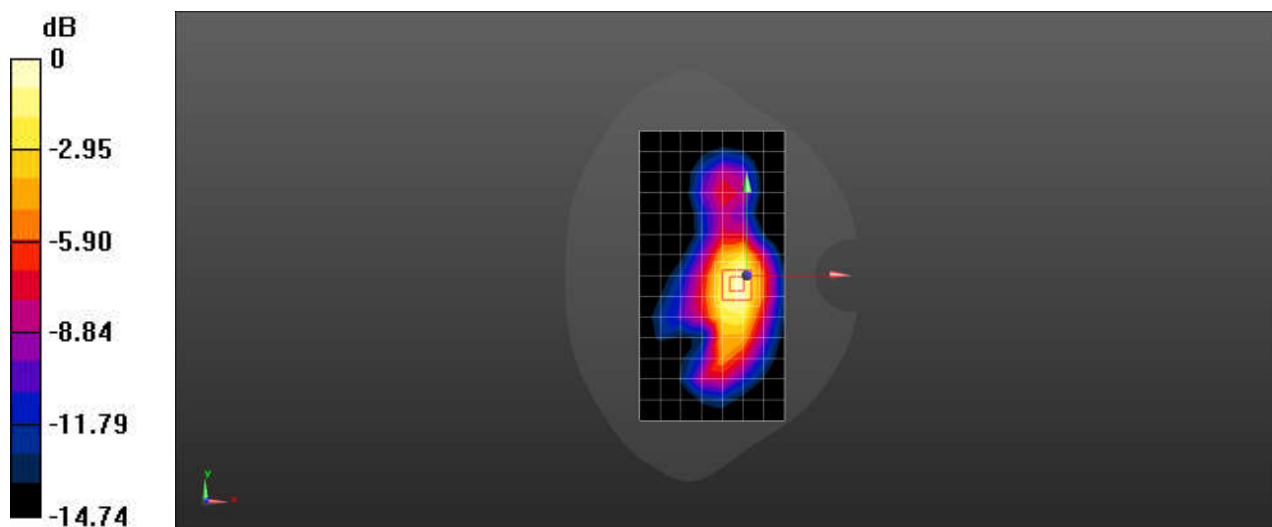
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.85 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.611 W/kg

Maximum value of SAR (measured) = 1.42 W/kg



0 dB = 1.42 W/kg = 1.52 dBW/kg

Test Laboratory: SGS-SAR Lab

V77 LTE Band 5 10M QPSK 1RB0 Ch20525 Back side 0mm

DUT: V77; Type: Portable POS Terminal; Serial: 860507070001750

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) = 3.10 W/kg

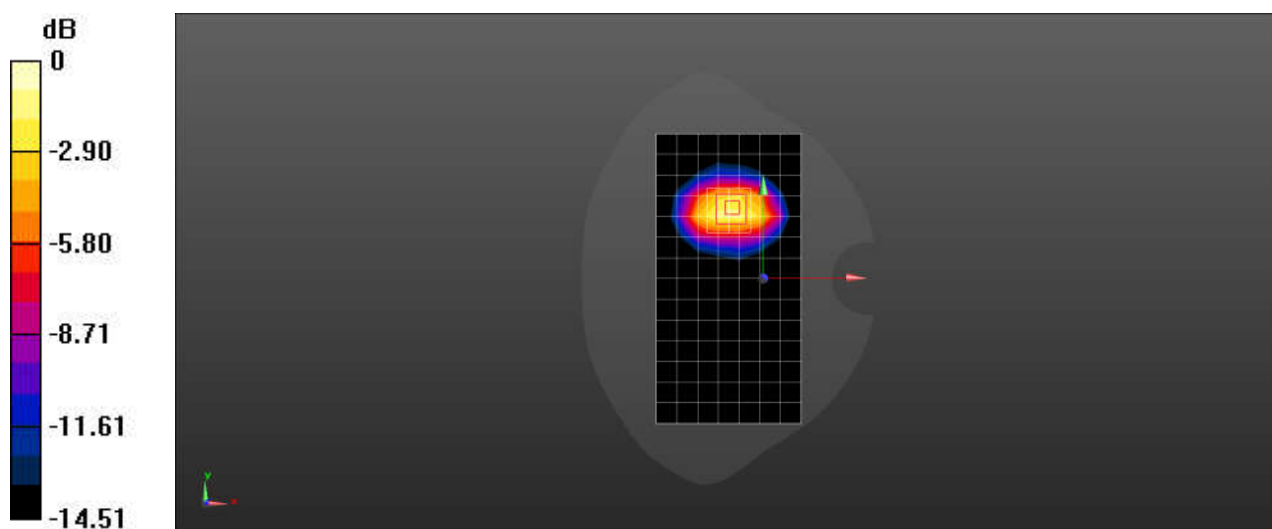
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.673 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 5.25 W/kg

SAR(1 g) = 2.79 W/kg; SAR(10 g) = 1.54 W/kg

Maximum value of SAR (measured) = 4.26 W/kg



0 dB = 4.26 W/kg = 6.29 dBW/kg

Test Laboratory: SGS-SAR Lab

V77 LTE Band 7 20M QPSK 1RB0 Ch21100 Back side 0mm

DUT: V77; Type: Portable POS Terminal; Serial: 860507070001750

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) = 4.11 W/kg

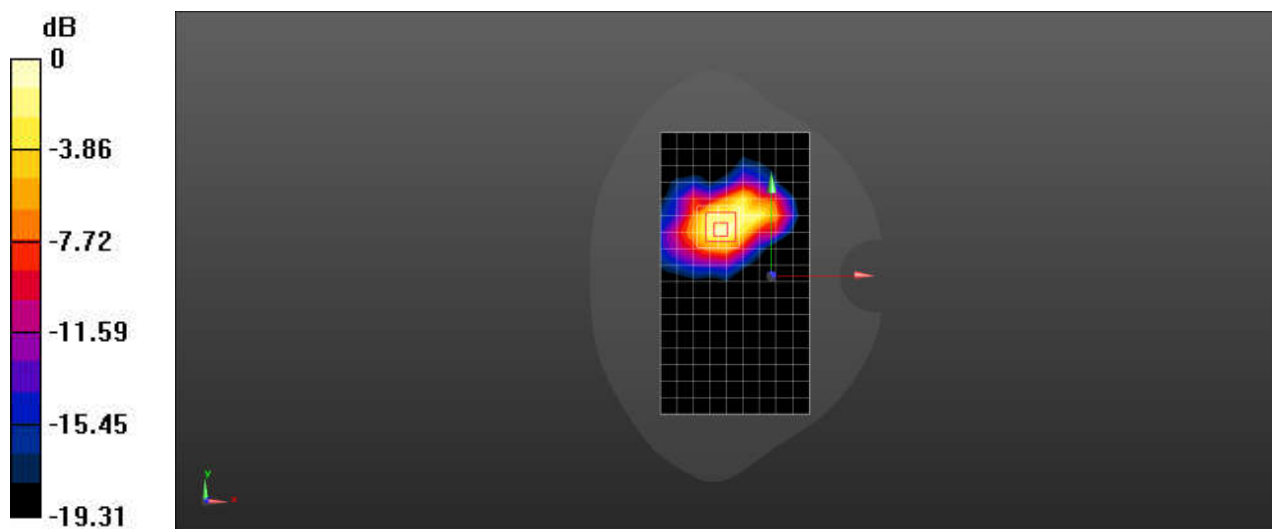
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.349 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 6.03 W/kg

SAR(1 g) = 2.9 W/kg; SAR(10 g) = 1.44 W/kg

Maximum value of SAR (measured) = 4.53 W/kg



0 dB = 4.53 W/kg = 6.56 dBW/kg

Test Laboratory: SGS-SAR Lab

V77 LTE Band 38 20M QPSK 1RB0 Ch38000 Back side 0mm

DUT: V77; Type: Portable POS Terminal; Serial: 860507070001750

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=12mm, dy=12mm
Maximum value of SAR (measured) = 1.72 W/kg

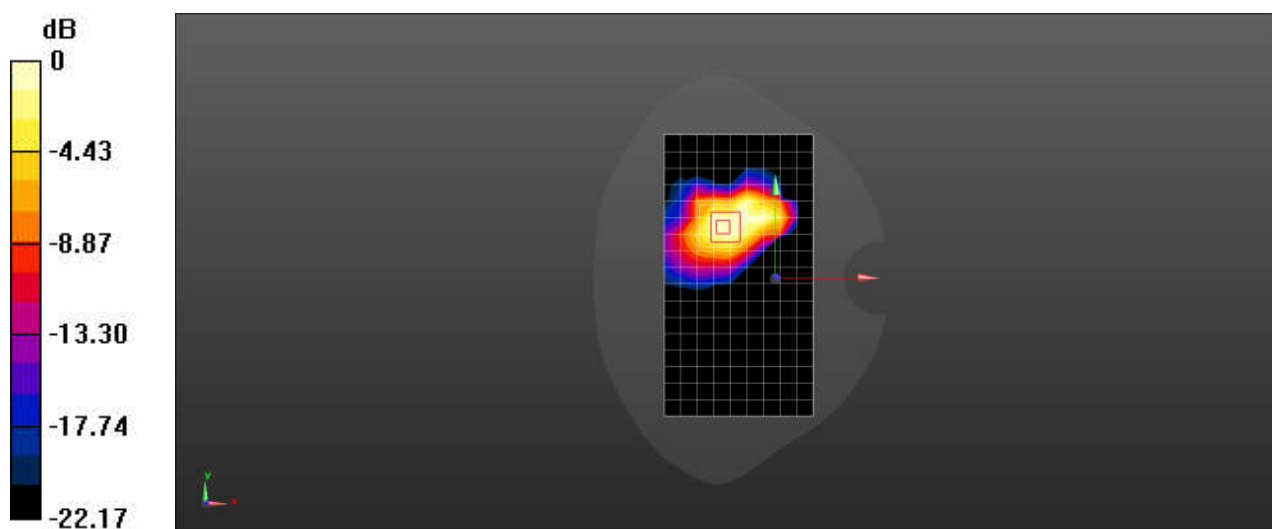
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.47 W/kg

SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.597 W/kg

Maximum value of SAR (measured) = 1.80 W/kg



0 dB = 1.80 W/kg = 2.55 dBW/kg

Test Laboratory: SGS-SAR Lab

V77 LTE Band 41 20M QPSK 1RB0 Ch41490 Back side 0mm

DUT: V77; Type: Portable POS Terminal; Serial: 860507070001750

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2680 MHz; Duty Cycle: 1:1.58

Medium: HSL2600; Medium parameters used: $f = 2680$ MHz; $\sigma = 2.061$ S/m; $\epsilon_r = 38.301$; $\rho = 1000$ 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) = 1.73 W/kg

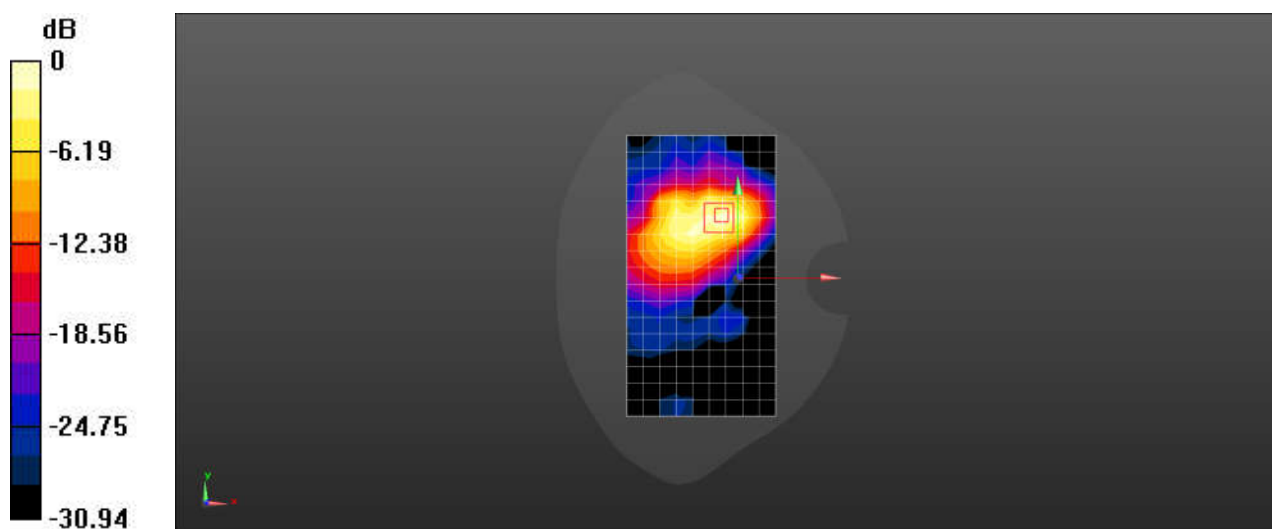
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.691 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.32 W/kg

SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.510 W/kg

Maximum value of SAR (measured) = 1.78 W/kg



0 dB = 1.78 W/kg = 2.50 dBW/kg

Test Laboratory: SGS-SAR Lab

V77 WIFI2.4G 802.11b Ch11 Bottom side 0mm

DUT: V77; Type: Portable POS Terminal; Serial: 860507070001750

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2462 MHz;Duty Cycle: 1:1.001

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 (9x14x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.100 W/kg

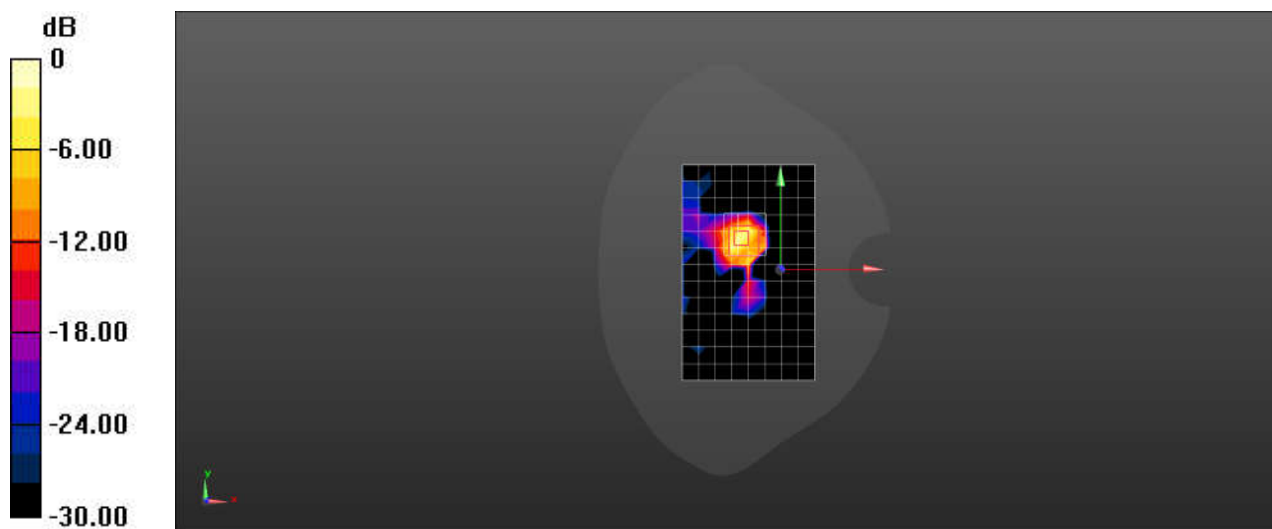
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.323 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.252 W/kg

SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.022 W/kg

Maximum value of SAR (measured) = 0.155 W/kg



0 dB = 0.155 W/kg = -8.10 dBW/kg

Test Laboratory: SGS-SAR Lab

V77 BLE 1Mbps Ch19 Bottom side 0mm

DUT: V77; Type: Portable POS Terminal; Serial: 860507070001750

Communication System: UID 0, BLE (0); Frequency: 2440 MHz; Duty Cycle: 1:1

Medium: HSL2450; Medium parameters used: $f = 2440$ MHz; $\sigma = 1.791$ S/m; $\epsilon_r = 38.949$; $\rho = 1000$ 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 (9x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0718 W/kg

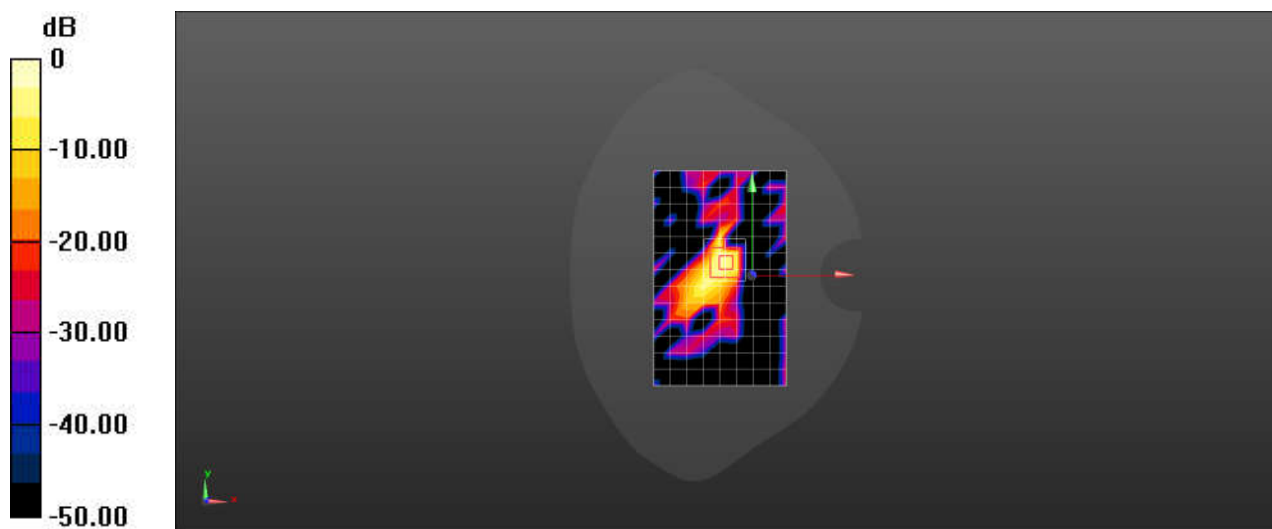
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.695 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.202 W/kg

SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.017 W/kg

Maximum value of SAR (measured) = 0.115 W/kg



0 dB = 0.115 W/kg = -9.39 dBW/kg