

Appendix B

Detailed Test Results

WCDMA Band II for Body
WCDMA Band IV for Body
WCDMA Band V for Body
LTE Band 12 for Body
LTE Band 13 for Body
LTE Band 25 for Body
LTE Band 26 for Body
LTE Band 66 for Body
WIFI 2.4G for Body
WIFI 5G for Body
BT for Body

Test Laboratory: SGS-SAR Lab

GD506 WCDMA II RMC 9400CH Horizontal-Down 10mm

DUT: GD506; Type: Diagnostic Monitor; Serial: 861240040116568

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

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.435$ S/m; $\epsilon_r = 40.37$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(8.61, 8.61, 8.61); Calibrated: 2022-08-09
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1374; Calibrated: 2021-11-05
- Phantom: SAM 3; Type: QD000P40CD; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (11x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.05 W/kg

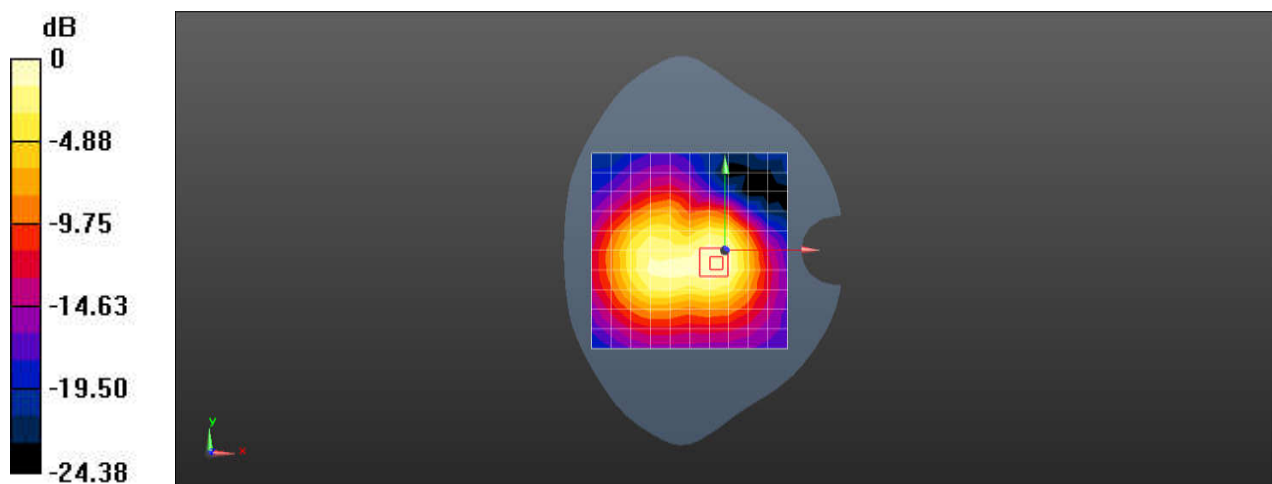
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.36 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.755 W/kg; SAR(10 g) = 0.439 W/kg

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



Test Laboratory: SGS-SAR Lab

GD506 WCDMA IV RMC 1412CH Horizontal-Down 10mm

DUT: GD506; Type: Diagnostic Monitor; Serial: 861240040116568

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

Medium: HSL1750; Medium parameters used: $f = 1732.4$ MHz; $\sigma = 1.411$ S/m; $\epsilon_r = 40.41$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(9.01, 9.01, 9.01); Calibrated: 2022-08-09
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1374; Calibrated: 2021-11-05
- Phantom: SAM 3; Type: QD000P40CD; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (11x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.625 W/kg

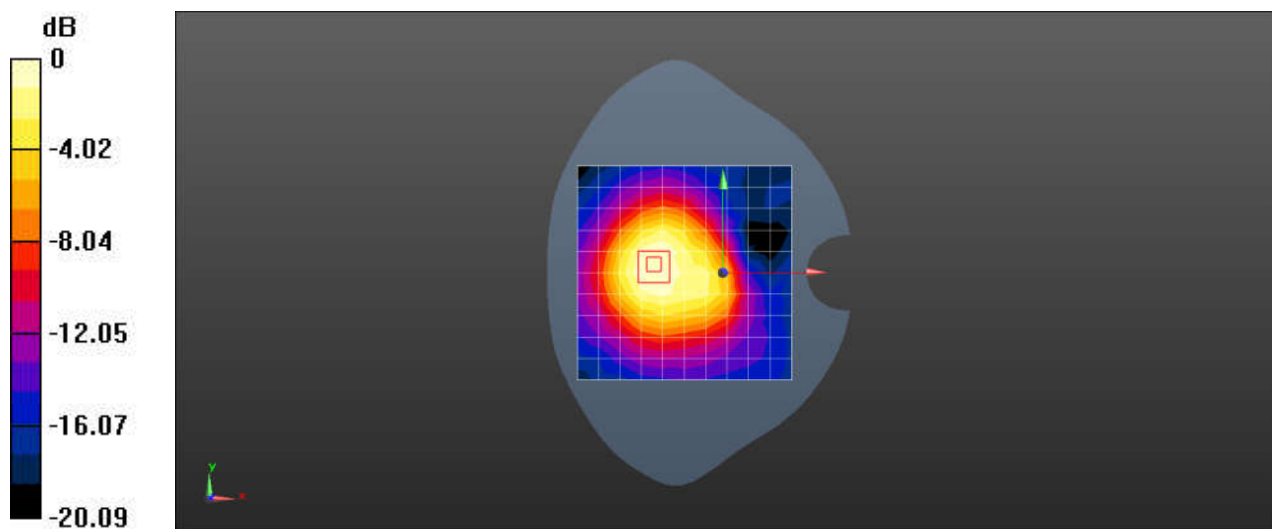
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.02 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.781 W/kg

SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.315 W/kg

Maximum value of SAR (measured) = 0.671 W/kg



Test Laboratory: SGS-SAR Lab

GD506 WCDMA V RMC 4182CH Horizontal-Down 10mm

DUT: GD506; Type: Diagnostic Monitor; Serial: 861240040116568

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

Medium: HSL835; Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.931$ S/m; $\epsilon_r = 43.017$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(9.95, 9.95, 9.95); Calibrated: 2022-08-09
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1374; Calibrated: 2021-11-05
- Phantom: SAM 3; Type: QD000P40CD; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.370 W/kg

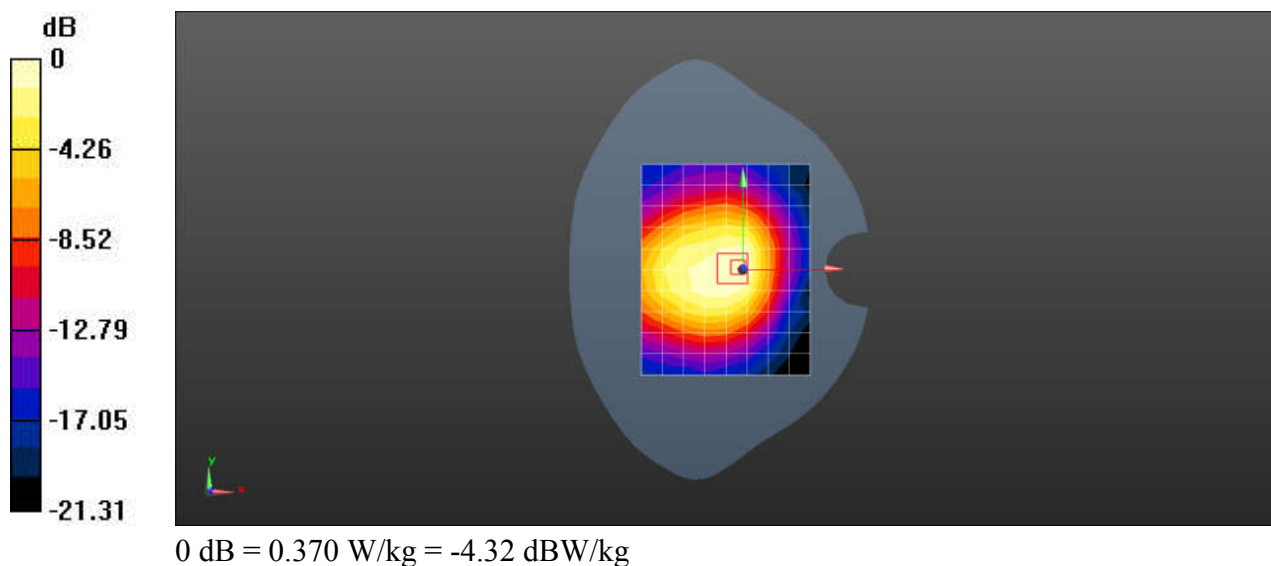
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.29 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.503 W/kg

SAR(1 g) = 0.302 W/kg; SAR(10 g) = 0.193 W/kg

Maximum value of SAR (measured) = 0.430 W/kg



Test Laboratory: SGS-SAR Lab

GD506 LTE Band 12 10M QPSK 1RB0 23095CH Horizontal-Down 10mm

DUT: GD506; Type: Diagnostic Monitor; Serial: 861240040116568

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; $\sigma = 0.871$ S/m; $\epsilon_r = 43.86$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(10.21, 10.21, 10.21); Calibrated: 2022-08-09
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1374; Calibrated: 2021-11-05
- Phantom: SAM 3; Type: QD000P40CD; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.362 W/kg

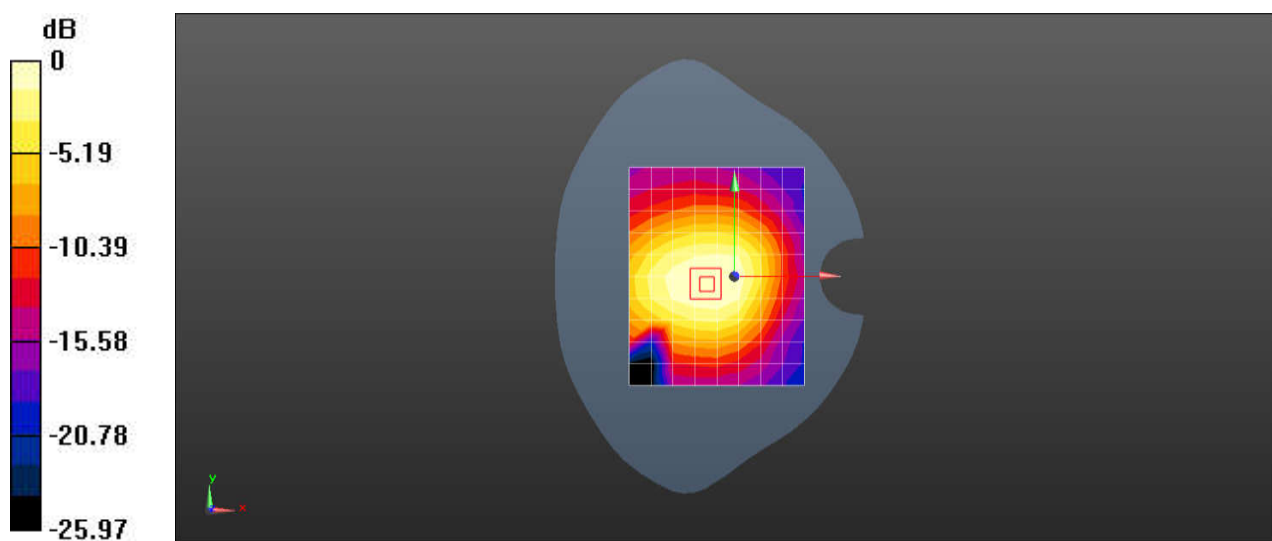
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.94 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.340 W/kg

SAR(1 g) = 0.297 W/kg; SAR(10 g) = 0.191 W/kg

Maximum value of SAR (measured) = 0.308 W/kg



0 dB = 0.362 W/kg = -4.41 dBW/kg

Test Laboratory: SGS-SAR Lab

GD506 LTE Band 13 10M QPSK 1RB0 23230CH Horizontal-Down 10mm

DUT: GD506; Type: Diagnostic Monitor; Serial: 861240040116568

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

Medium: HSL750;Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.922 \text{ S/m}$; $\epsilon_r = 43.41$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(10.21, 10.21, 10.21); Calibrated: 2022-08-09
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1374; Calibrated: 2021-11-05
- Phantom: SAM 3; Type: QD000P40CD; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.421 W/kg

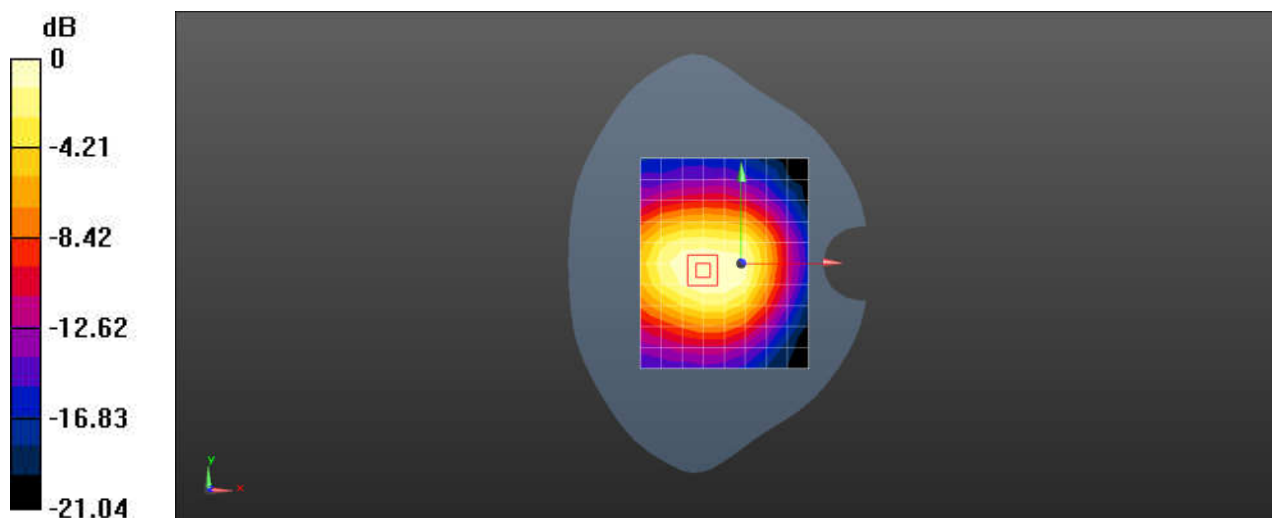
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 23.28 V/m ; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.450 W/kg

SAR(1 g) = 0.343 W/kg ; SAR(10 g) = 0.236 W/kg

Maximum value of SAR (measured) = 0.409 W/kg



0 dB = 0.421 W/kg = -3.76 dBW/kg

Test Laboratory: SGS-SAR Lab

GD506 LTE Band 25 20M QPSK 1RB0 26140CH Horizontal-Down 10mm

DUT: GD506; Type: Diagnostic Monitor; Serial: 861240040116568

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1860$ MHz; $\sigma = 1.427$ S/m; $\epsilon_r = 40.38$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(8.61, 8.61, 8.61); Calibrated: 2022-08-09
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1374; Calibrated: 2021-11-05
- Phantom: SAM 3; Type: QD000P40CD; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (11x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.919 W/kg

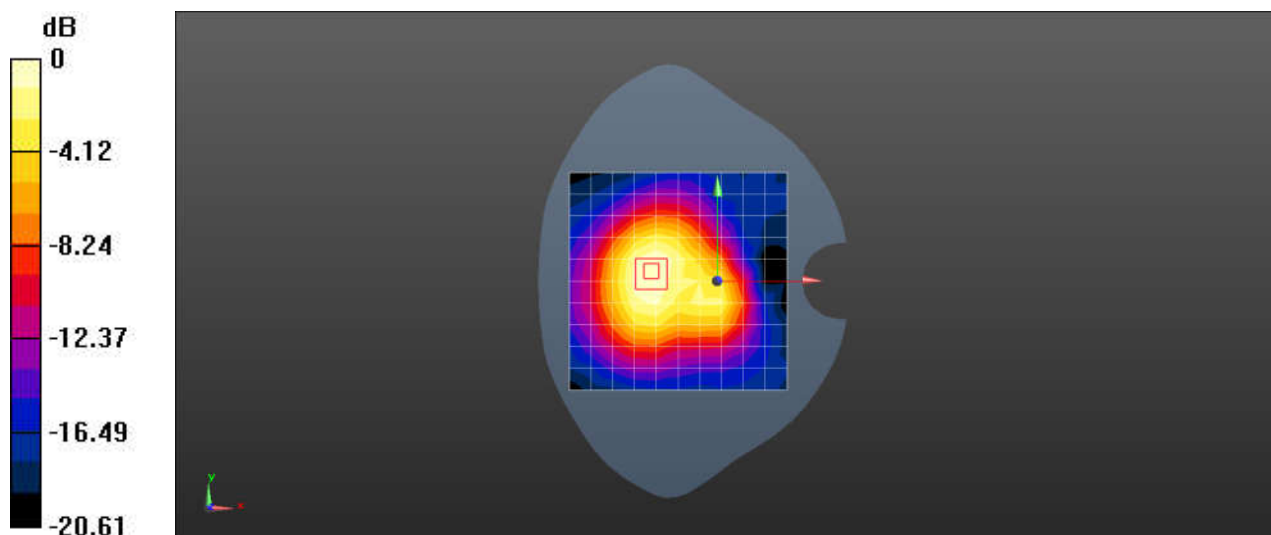
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.96 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.679 W/kg; SAR(10 g) = 0.420 W/kg

Maximum value of SAR (measured) = 0.944 W/kg



0 dB = 0.919 W/kg = -0.37 dBW/kg

Test Laboratory: SGS-SAR Lab

GD506 LTE Band 26 15M QPSK 1RB0 26865CH Horizontal-Down 10mm

DUT: GD506; Type: Diagnostic Monitor; Serial: 861240040116568

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; $\sigma = 0.927$ S/m; $\epsilon_r = 43.035$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(9.95, 9.95, 9.95); Calibrated: 2022-08-09
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1374; Calibrated: 2021-11-05
- Phantom: SAM 3; Type: QD000P40CD; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (11x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.304 W/kg

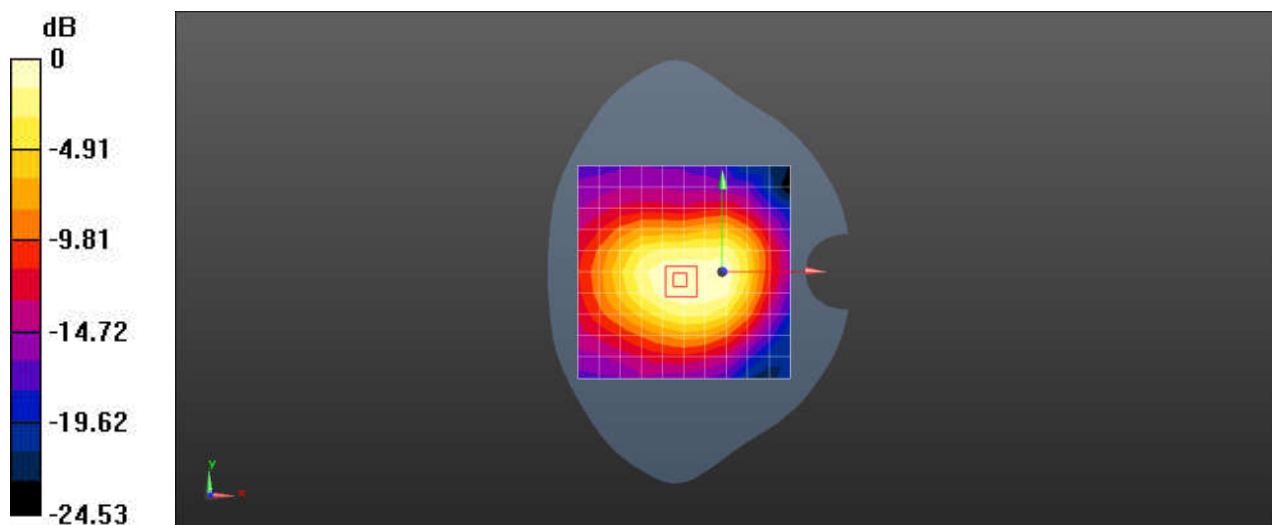
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.55 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.348 W/kg

SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.168 W/kg

Maximum value of SAR (measured) = 0.311 W/kg



0 dB = 0.304 W/kg = -5.17 dBW/kg

Test Laboratory: SGS-SAR Lab

GD506 LTE Band 66 20M QPSK 1RB0 132072CH Horizontal-Down 10mm

DUT: GD506; Type: Diagnostic Monitor; Serial: 861240040116568

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1720 MHz;Duty Cycle: 1:1

Medium: HSL1750;Medium parameters used: $f = 1720$ MHz; $\sigma = 1.405$ S/m; $\epsilon_r = 40.41$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(9.01, 9.01, 9.01); Calibrated: 2022-08-09
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1374; Calibrated: 2021-11-05
- Phantom: SAM 3; Type: QD000P40CD; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.05 W/kg

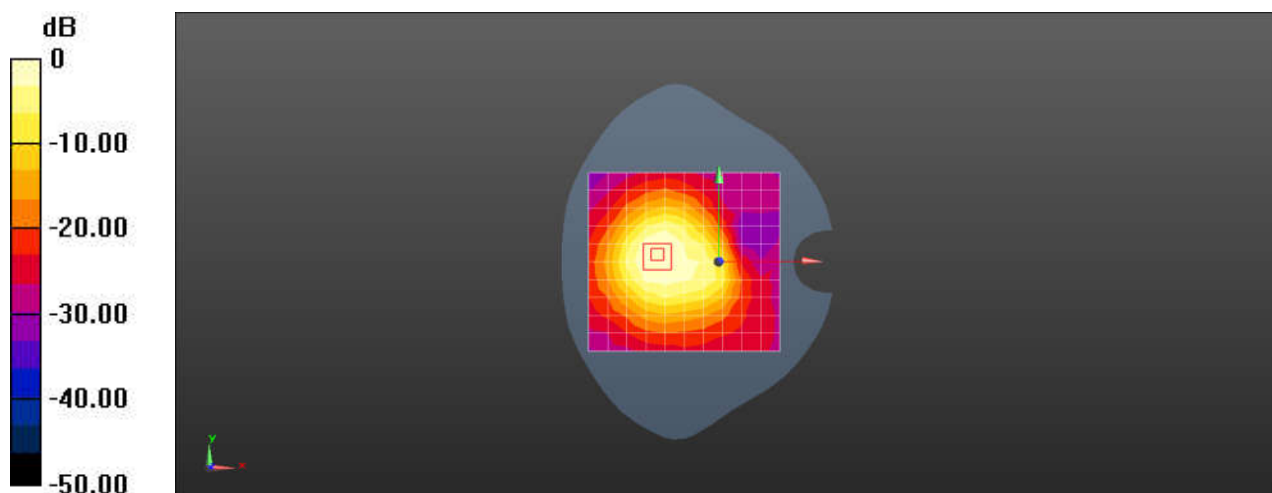
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.86 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.14 W/kg

SAR(1 g) = 0.858 W/kg; SAR(10 g) = 0.461 W/kg

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



0 dB = 1.05 W/kg = 0.21 dBW/kg

Test Laboratory: SGS-SAR Lab

GD506 WIFI2.4G 802.11b 1CH Horizontal-Down 10mm

DUT: GD506; Type: Diagnostic Monitor; Serial: 861240040116568

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

Medium: HSL2450; Medium parameters used: $f = 2412$ MHz; $\sigma = 1.727$ S/m; $\epsilon_r = 38.646$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(8.2, 8.2, 8.2); Calibrated: 2022-08-09
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1374; Calibrated: 2021-11-05
- Phantom: SAM 3; Type: QD000P40CD; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (11x13x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.364 W/kg

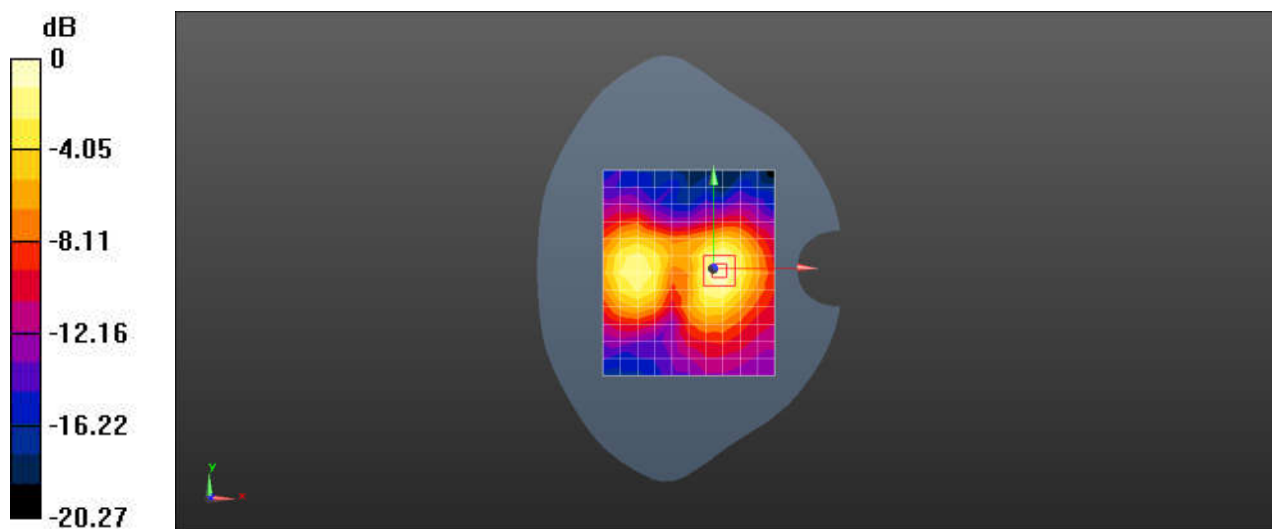
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.659 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.451 W/kg

SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.131 W/kg

Maximum value of SAR (measured) = 0.377 W/kg



0 dB = 0.364 W/kg = -4.39 dBW/kg

Test Laboratory: SGS-SAR Lab

GD506 WIFI5G 802.11a 40CH Horizontal-Down 10mm

DUT: GD506; Type: Diagnostic Monitor; Serial: 861240040116568

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

Medium: HSL5000; Medium parameters used: $f = 5200$ MHz; $\sigma = 4.647$ S/m; $\epsilon_r = 35.648$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(5.3, 5.3, 5.3); Calibrated: 2022-08-09
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1374; Calibrated: 2021-11-05
- Phantom: SAM 3; Type: QD000P40CD; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (13x16x1): Measurement grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (measured) = 0.183 W/kg

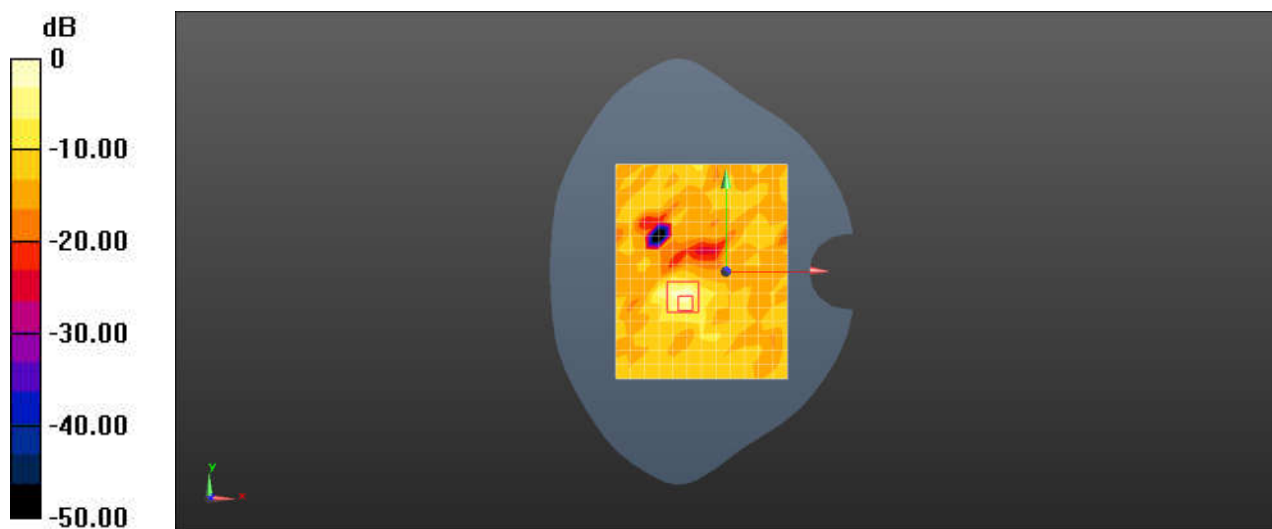
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 1.062 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.028 W/kg

Maximum value of SAR (measured) = 0.459 W/kg



0 dB = 0.183 W/kg = -7.38 dBW/kg

Test Laboratory: SGS-SAR Lab

GD506 WIFI5G 802.11a 52CH Horizontal-Down 10mm

DUT: GD506; Type: Diagnostic Monitor; Serial: 861240040116568

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: HSL5000; Medium parameters used: $f = 5260$ MHz; $\sigma = 4.715$ S/m; $\epsilon_r = 35.46$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(5.3, 5.3, 5.3); Calibrated: 2022-08-09
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1374; Calibrated: 2021-11-05
- Phantom: SAM 3; Type: QD000P40CD; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (16x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.739 W/kg

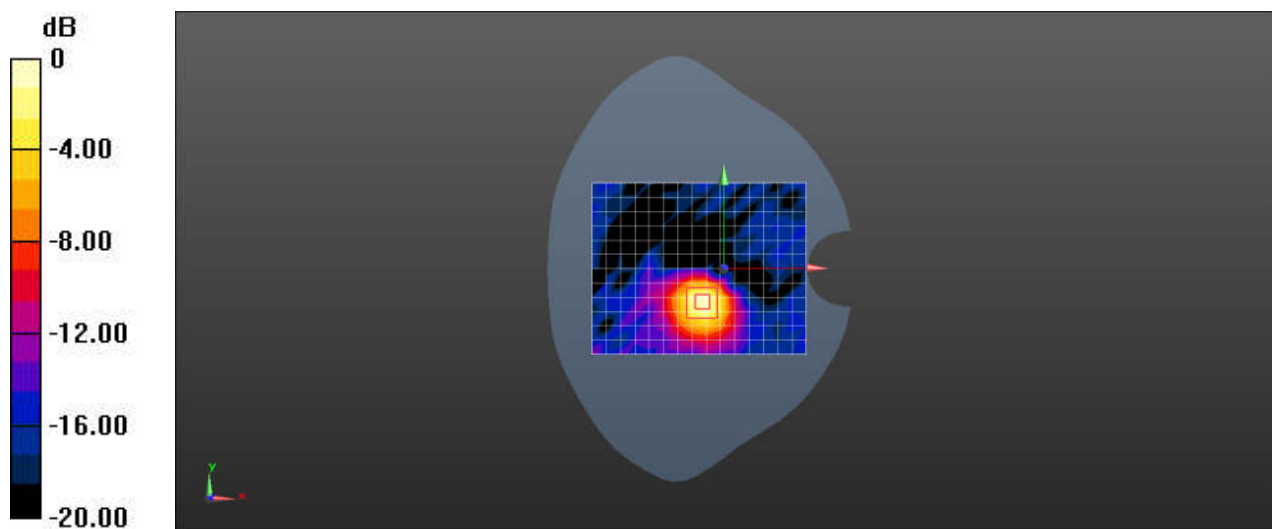
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.319 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.338 W/kg; SAR(10 g) = 0.130 W/kg

Maximum value of SAR (measured) = 0.835 W/kg



0 dB = 0.739 W/kg = -1.31 dBW/kg

Test Laboratory: SGS-SAR Lab

GD506 WIFI5G 802.11a 100CH Horizontal-Down 10mm

DUT: GD506; Type: Diagnostic Monitor; Serial: 861240040116568

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

Medium: HSL5000; Medium parameters used: $f = 5500$ MHz; $\sigma = 5.013$ S/m; $\epsilon_r = 34.971$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(4.75, 4.75, 4.75); Calibrated: 2022-08-09
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1374; Calibrated: 2021-11-05
- Phantom: SAM 3; Type: QD000P40CD; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (16x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.496 W/kg

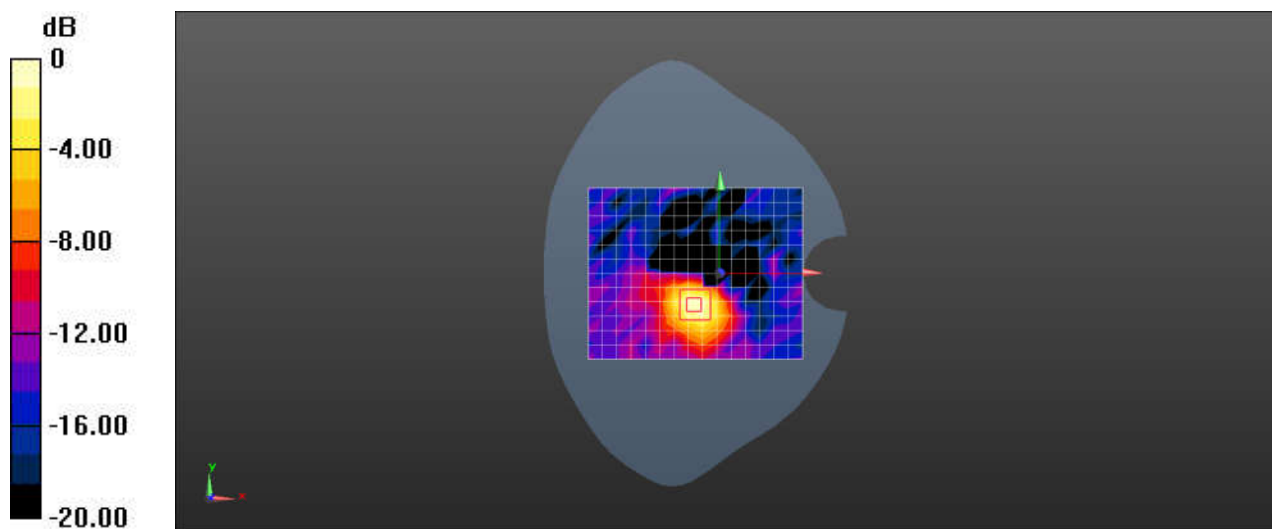
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.792 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.897 W/kg

SAR(1 g) = 0.240 W/kg; SAR(10 g) = 0.087 W/kg

Maximum value of SAR (measured) = 0.546 W/kg



0 dB = 0.496 W/kg = -3.05 dBW/kg

Test Laboratory: SGS-SAR Lab

GD506 WIFI5G 802.11a 149CH Horizontal-Down 10mm

DUT: GD506; Type: Diagnostic Monitor; Serial: 861240040116568

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

Medium: HSL5000; Medium parameters used: $f = 5745$ MHz; $\sigma = 5.366$ S/m; $\epsilon_r = 34.472$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(4.8, 4.8, 4.8); Calibrated: 2022-08-09
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1374; Calibrated: 2021-11-05
- Phantom: SAM 3; Type: QD000P40CD; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (13x16x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.406 W/kg

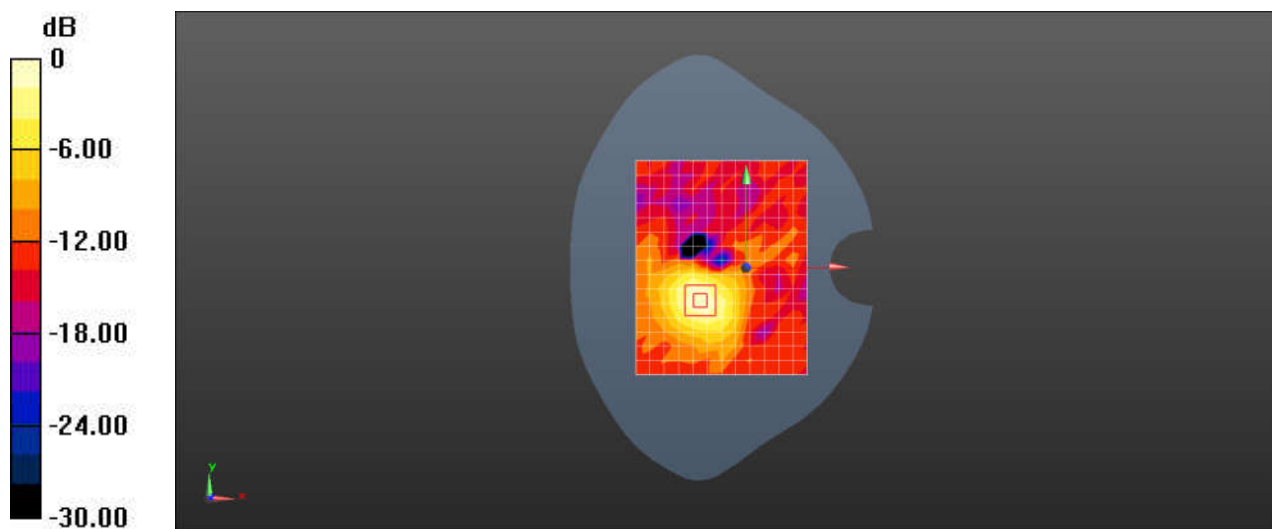
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.466 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.727 W/kg

SAR(1 g) = 0.187 W/kg; SAR(10 g) = 0.073 W/kg

Maximum value of SAR (measured) = 0.430 W/kg



0 dB = 0.406 W/kg = -3.91 dBW/kg

Test Laboratory: SGS-SAR Lab

GD506 BT DH5 39CH Horizontal-Down 10mm

DUT: GD506; Type: Diagnostic Monitor; Serial: 861240040116568

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

Medium: HSL2450; Medium parameters used: $f = 2441$ MHz; $\sigma = 1.762$ S/m; $\epsilon_r = 38.463$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(8.2, 8.2, 8.2); Calibrated: 2022-08-09
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1374; Calibrated: 2021-11-05
- Phantom: SAM 3; Type: QD000P40CD; Serial: TP:1770
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (11x13x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.00739 W/kg

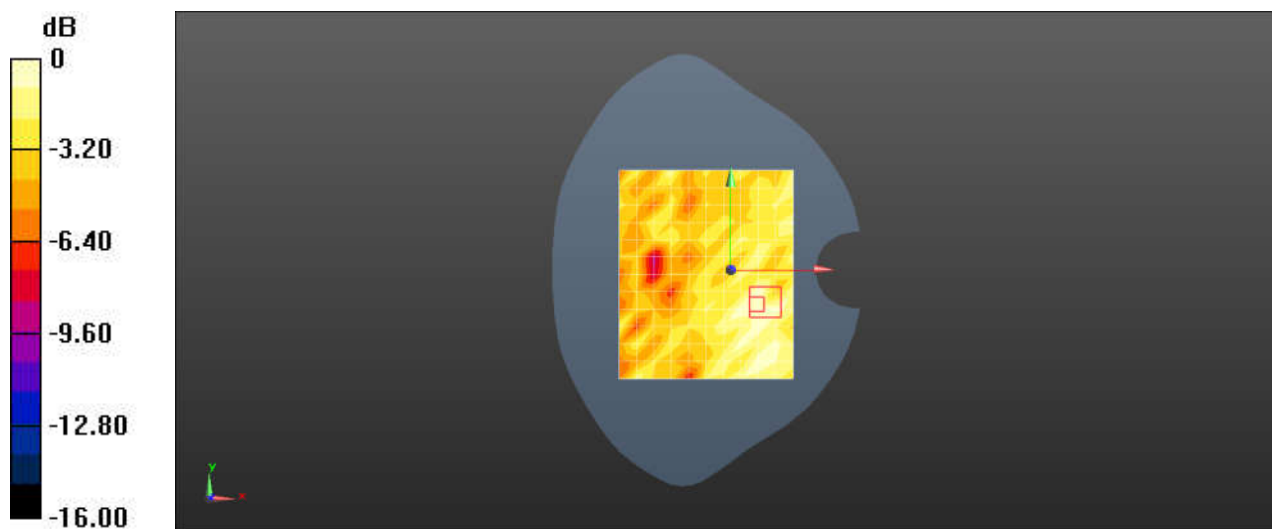
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.357 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.00560 W/kg

SAR(1 g) = 0.00365 W/kg; SAR(10 g) = 0.00316 W/kg

Maximum value of SAR (measured) = 0.00489 W/kg



0 dB = 0.00739 W/kg = -21.31 dBW/kg