

Appendix B

Detailed Test Results

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LTE Band 14
LTE Band 66
LTE Band 71

Test Laboratory: SGS-SAR Lab

TH388 WCDMA Band II RMC 9400CH Front side 25mm

DUT: TH388; Type: two way radio; Serial: 866834042296645

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

Medium: HSL1900; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.38$ S/m; $\epsilon_r = 40.441$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.32, 7.32, 7.32); Calibrated: 2020-06-16;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn414; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.473 W/kg

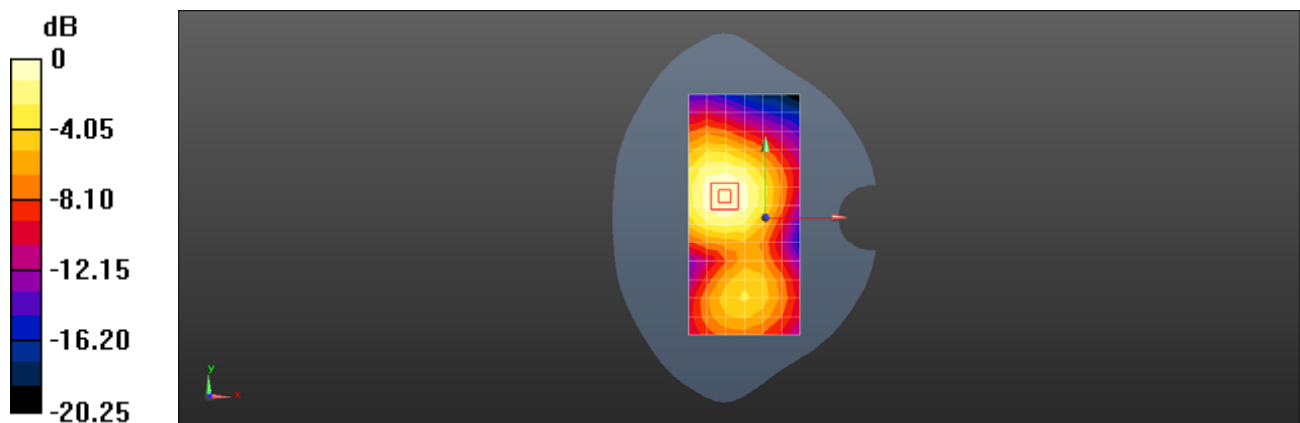
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.95 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.574 W/kg

SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.223 W/kg

Maximum value of SAR (measured) = 0.492 W/kg



Test Laboratory: SGS-SAR Lab

TH388 WCDMA Band IV RMC 1412CH Front side 25mm

DUT: TH388; Type: two way radio; Serial: 866834042296645

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

Medium: HSL1750; Medium parameters used: $f = 1732.4$ MHz; $\sigma = 1.337$ S/m; $\epsilon_r = 38.977$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.61, 7.61, 7.61); Calibrated: 2020-06-16;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn414; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.460 W/kg

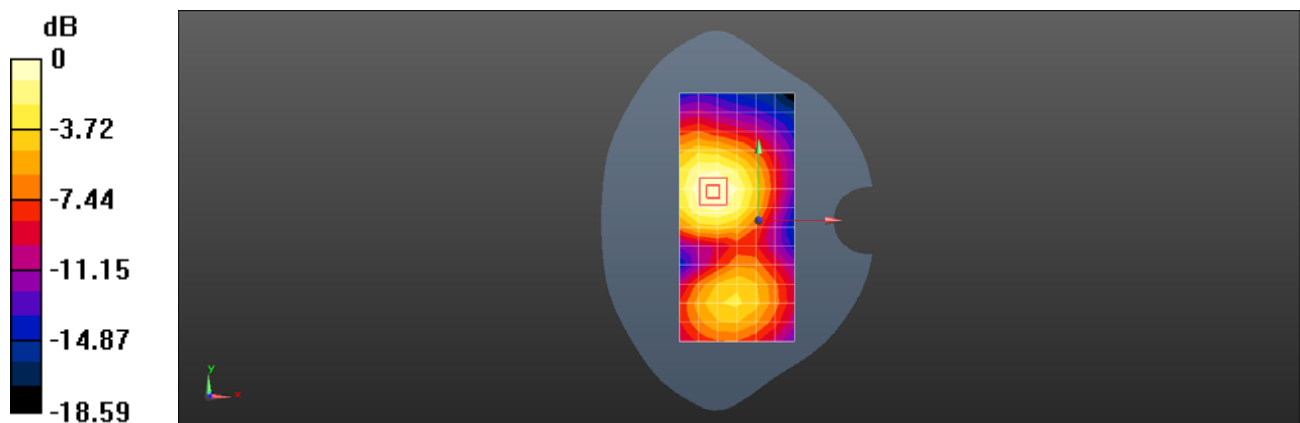
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.59 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.536 W/kg

SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.210 W/kg

Maximum value of SAR (measured) = 0.461 W/kg



0 dB = 0.460 W/kg = -3.37 dBW/kg

Test Laboratory: SGS-SAR Lab

TH388 WCDMA Band V RMC 4182CH Front side 25mm

DUT: TH388; Type: two way radio; Serial: 866834042296645

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

Medium: HSL835; Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.889$ S/m; $\epsilon_r = 41.817$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.53, 8.53, 8.53); Calibrated: 2020-06-16;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn414; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.506 W/kg

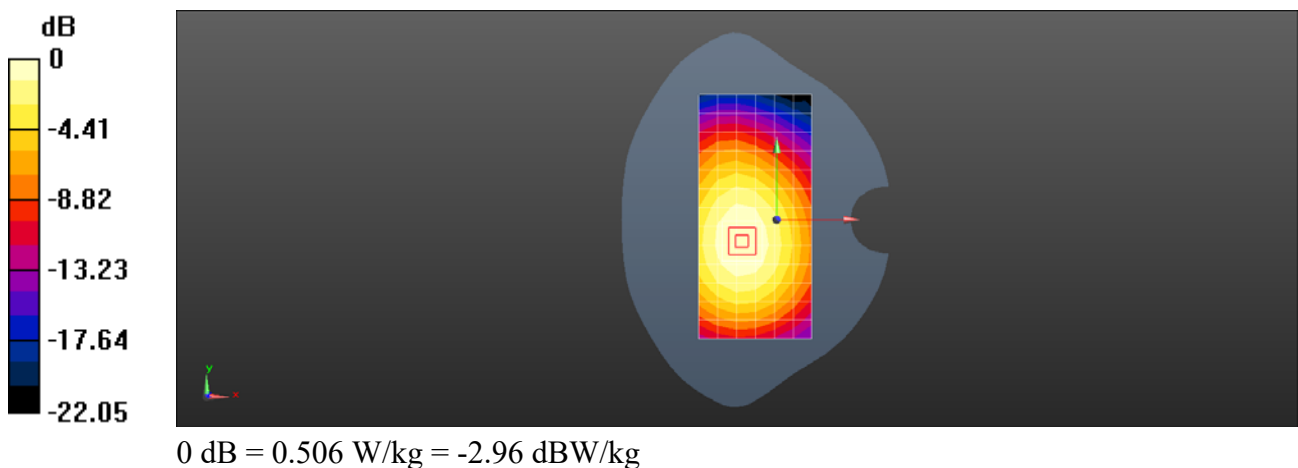
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.54 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.578 W/kg

SAR(1 g) = 0.398 W/kg; SAR(10 g) = 0.283 W/kg

Maximum value of SAR (measured) = 0.513 W/kg



Test Laboratory: SGS-SAR Lab

TH388 LTE Band 2 20M QPSK 1RB50 19100CH Front side 25mm

DUT: TH388; Type: two way radio; Serial: 866834042296645

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.385$ S/m; $\epsilon_r = 40.358$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.32, 7.32, 7.32); Calibrated: 2020-06-16;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn414; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.466 W/kg

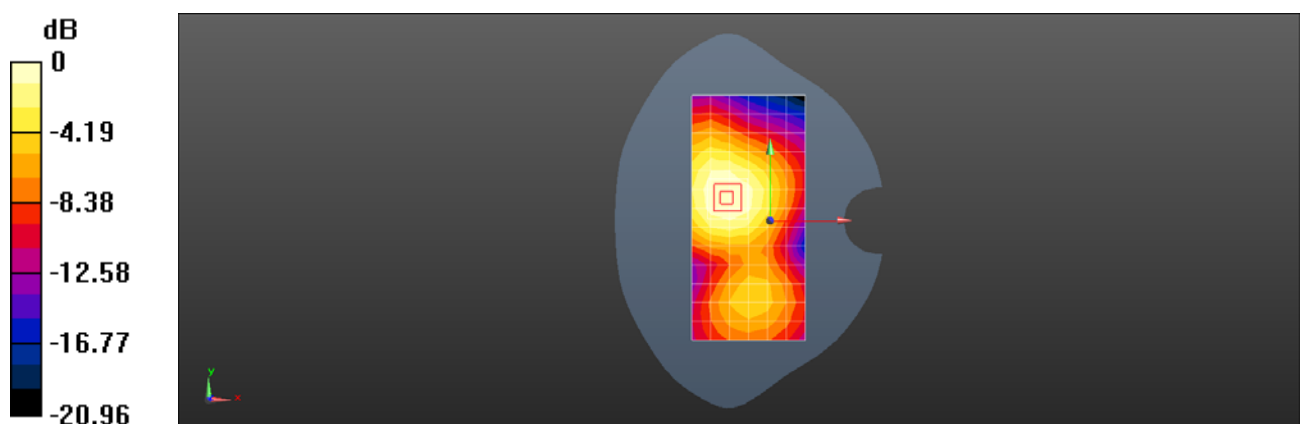
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.34 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.559 W/kg

SAR(1 g) = 0.344 W/kg; SAR(10 g) = 0.216 W/kg

Maximum value of SAR (measured) = 0.478 W/kg



0 dB = 0.466 W/kg = -3.32 dBW/kg

Test Laboratory: SGS-SAR Lab

TH388 LTE Band 4 10M QPSK 1RB50 20300CH Front side 25mm

DUT: TH388; Type: two way radio; Serial: 866834042296645

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

Medium: HSL1750; Medium parameters used: $f = 1745$ MHz; $\sigma = 1.35$ S/m; $\epsilon_r = 38.923$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.61, 7.61, 7.61); Calibrated: 2020-06-16;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn414; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.412 W/kg

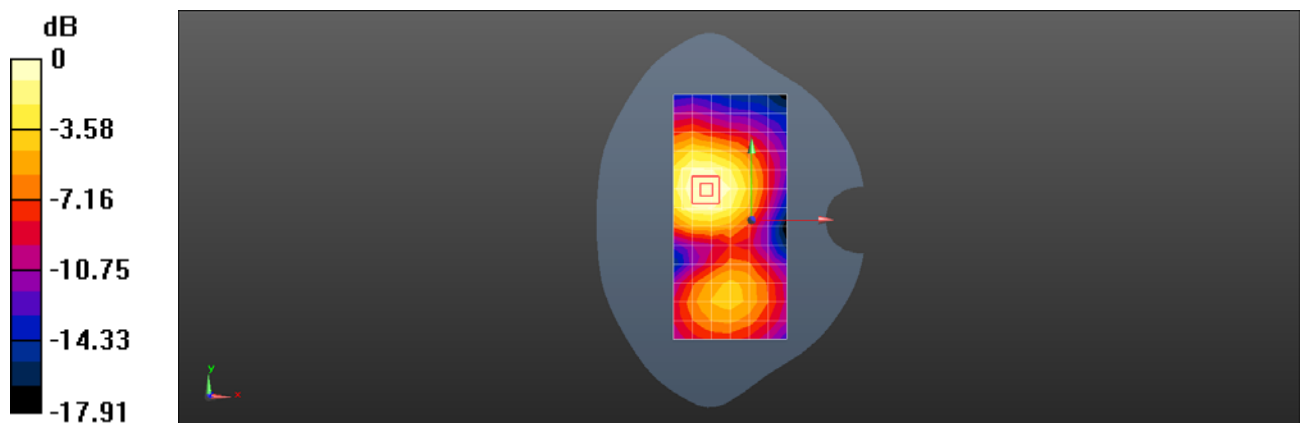
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.689 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.500 W/kg

SAR(1 g) = 0.310 W/kg; SAR(10 g) = 0.197 W/kg

Maximum value of SAR (measured) = 0.426 W/kg



Test Laboratory: SGS-SAR Lab

TH388 LTE Band 5 10M QPSK 1RB25 20525CH Front side 25mm

DUT: TH388; Type: two way radio; Serial: 866834042296645

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; $\sigma = 0.889$ S/m; $\epsilon_r = 41.793$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.53, 8.53, 8.53); Calibrated: 2020-06-16;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn414; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.526 W/kg

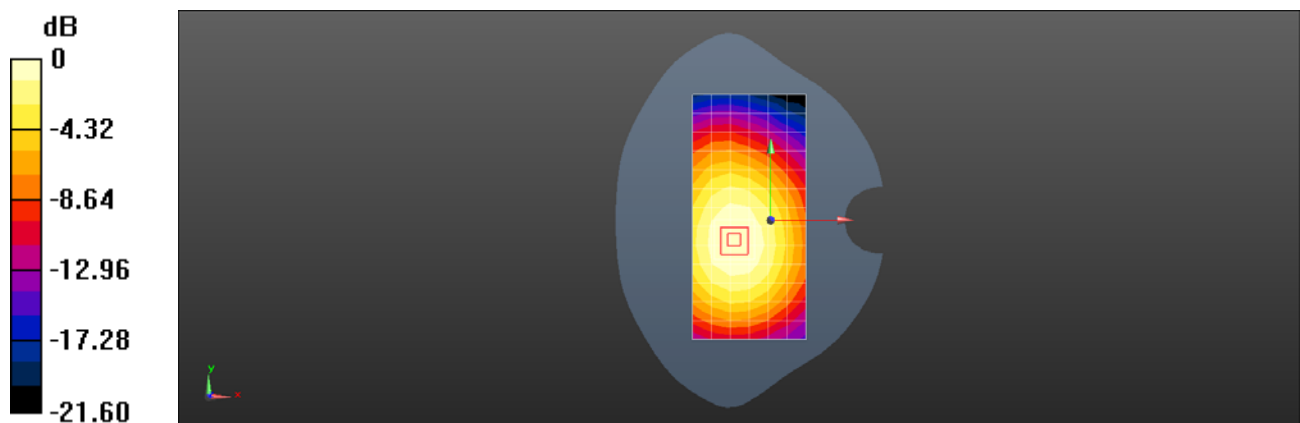
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.30 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.616 W/kg

SAR(1 g) = 0.426 W/kg; SAR(10 g) = 0.306 W/kg

Maximum value of SAR (measured) = 0.549 W/kg



0 dB = 0.526 W/kg = -2.79 dBW/kg

Test Laboratory: SGS-SAR Lab

TH388 LTE Band 12 10M QPSK 1RB25 23130CH Front side 25mm

DUT: TH388; Type: two way radio; Serial: 866834042296645

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 711 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used: $f = 711 \text{ MHz}$; $\sigma = 0.871 \text{ S/m}$; $\epsilon_r = 41.783$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.81, 8.81, 8.81); Calibrated: 2020-06-16;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn414; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.169 W/kg

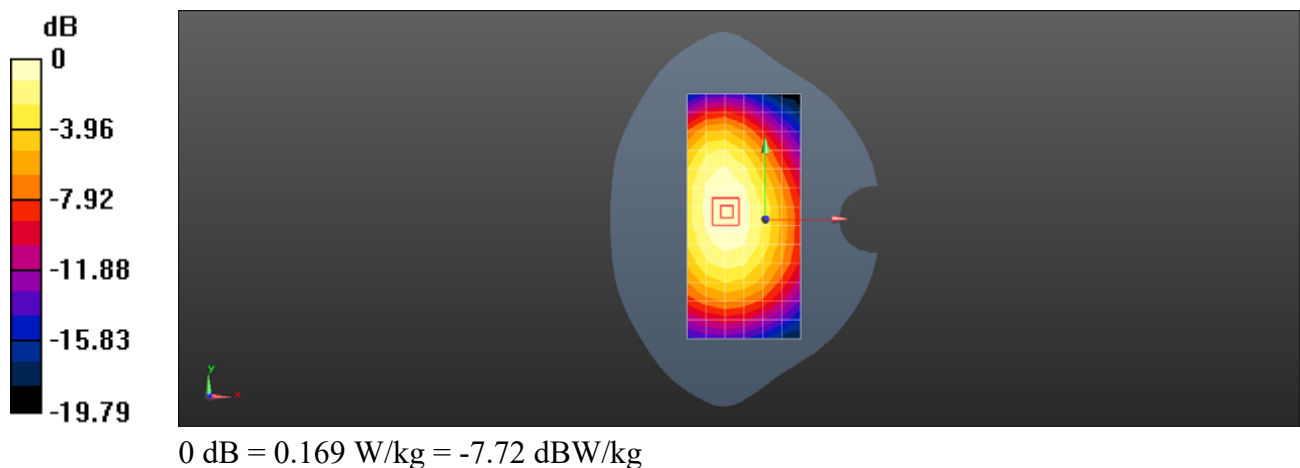
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.60 V/m ; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.186 W/kg

SAR(1 g) = 0.131 W/kg ; SAR(10 g) = 0.095 W/kg

Maximum value of SAR (measured) = 0.167 W/kg



Test Laboratory: SGS-SAR Lab

TH388 LTE Band 13 10M QPSK 1RB0 23230CH Front side 25mm

DUT: TH388; Type: two way radio; Serial: 866834042296645

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

Medium: HSL750; Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.878 \text{ S/m}$; $\epsilon_r = 40.743$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.81, 8.81, 8.81); Calibrated: 2020-06-16;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn414; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.426 W/kg

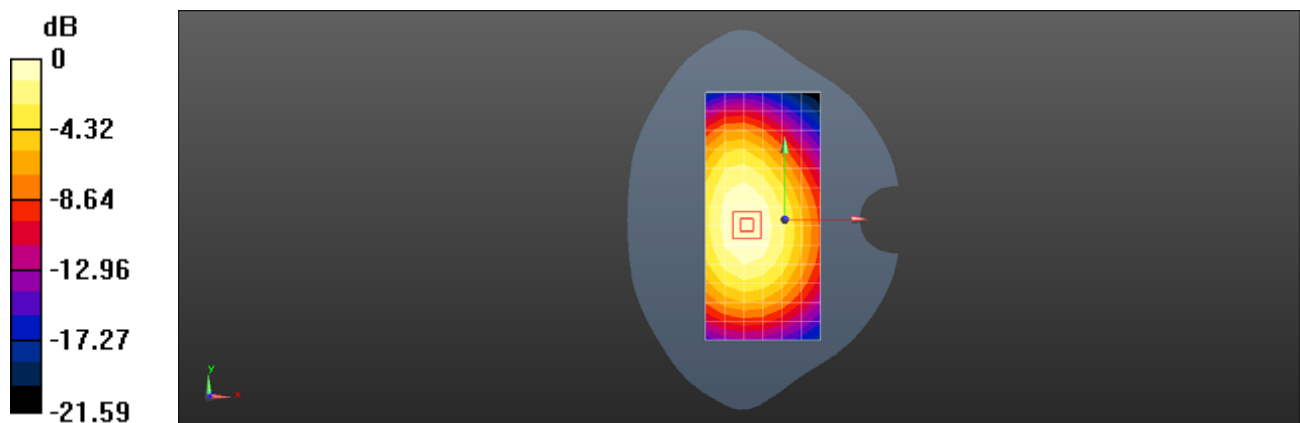
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.78 V/m ; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.475 W/kg

SAR(1 g) = 0.339 W/kg ; SAR(10 g) = 0.247 W/kg

Maximum value of SAR (measured) = 0.167 W/kg



0 dB = 0.426 W/kg = -3.71 dBW/kg

Test Laboratory: SGS-SAR Lab

TH388 LTE Band 14 10M QPSK 1RB49 23330CH Front side 25mm

DUT: TH388; Type: two way radio; Serial: 866834042296645

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

Medium: HSL835; Medium parameters used: $f = 793 \text{ MHz}$; $\sigma = 0.873 \text{ S/m}$; $\epsilon_r = 42.163$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.81, 8.81, 8.81); Calibrated: 2020-06-16;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn414; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.545 W/kg

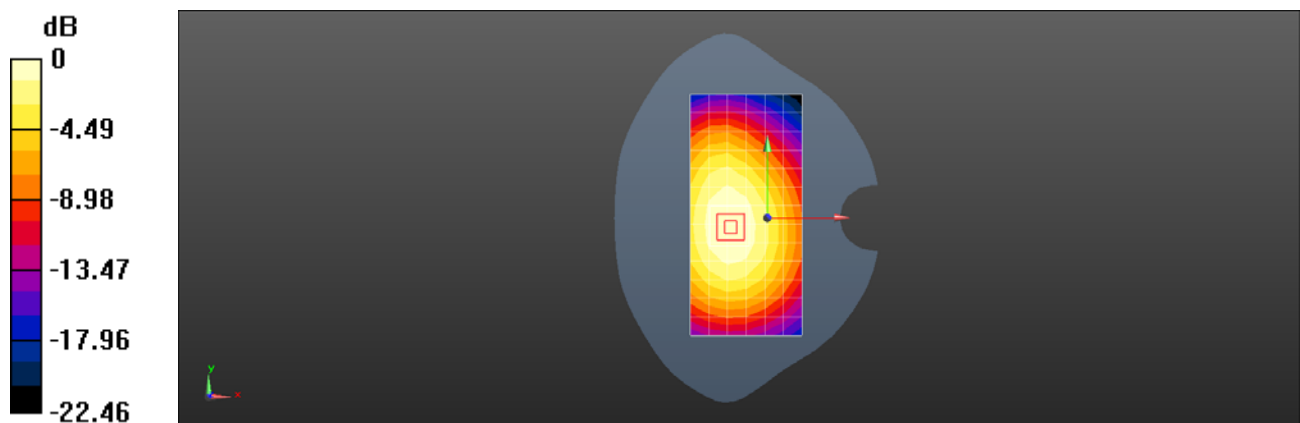
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.23 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.592 W/kg

SAR(1 g) = 0.428 W/kg ; SAR(10 g) = 0.312 W/kg

Maximum value of SAR (measured) = 0.534 W/kg



0 dB = 0.545 W/kg = -2.64 dBW/kg

Test Laboratory: SGS-SAR Lab

TH388 LTE Band 66 20M QPSK 1RB50 132072CH Front side 25mm

DUT: TH388; Type: two way radio; Serial: 866834042296645

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

Medium: HSL1750; Medium parameters used: $f = 1720$ MHz; $\sigma = 1.322$ S/m; $\epsilon_r = 38.986$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.61, 7.61, 7.61); Calibrated: 2020-06-16;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn414; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.220 W/kg

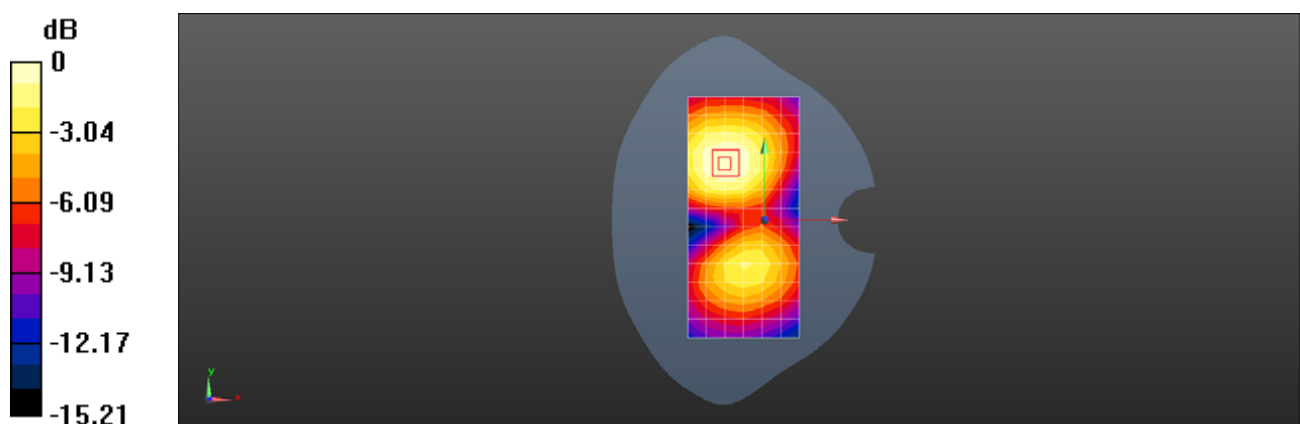
Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.670 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.273 W/kg

SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.236 W/kg



Test Laboratory: SGS-SAR Lab

TH388 LTE Band 71 20M QPSK 1RB50 133322CH Front side 25mm

DUT: TH388; Type: two way radio; Serial: 866834042296645

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

Medium: HSL750; Medium parameters used: $f = 683$ MHz; $\sigma = 0.846$ S/m; $\epsilon_r = 42.335$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.81, 8.81, 8.81); Calibrated: 2020-06-16;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn414; Calibrated: 2019-12-17
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.110 W/kg

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

Reference Value = 9.850 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.124 W/kg

SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.065 W/kg

Maximum value of SAR (measured) = 0.111 W/kg

