

Appendix A

Detailed System Check Results

1. System Performance Check
System Performance Check 750 MHz Head
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System Performance Check 5250 MHz Head
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System Performance Check 5750 MHz Head

Test Laboratory: SGS-SAR Lab

System Performance Check 750 MHz Head

DUT: D750V3; Type: D750V3; Serial: D750V3 - SN:1160

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.884 \text{ S/m}$; $\epsilon_r = 42.495$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(6.6, 6.6, 6.6); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 10; Type: SAM; Serial: 1563
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/d=15mm, Pin=250mW/Area Scan (8x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.24 W/kg

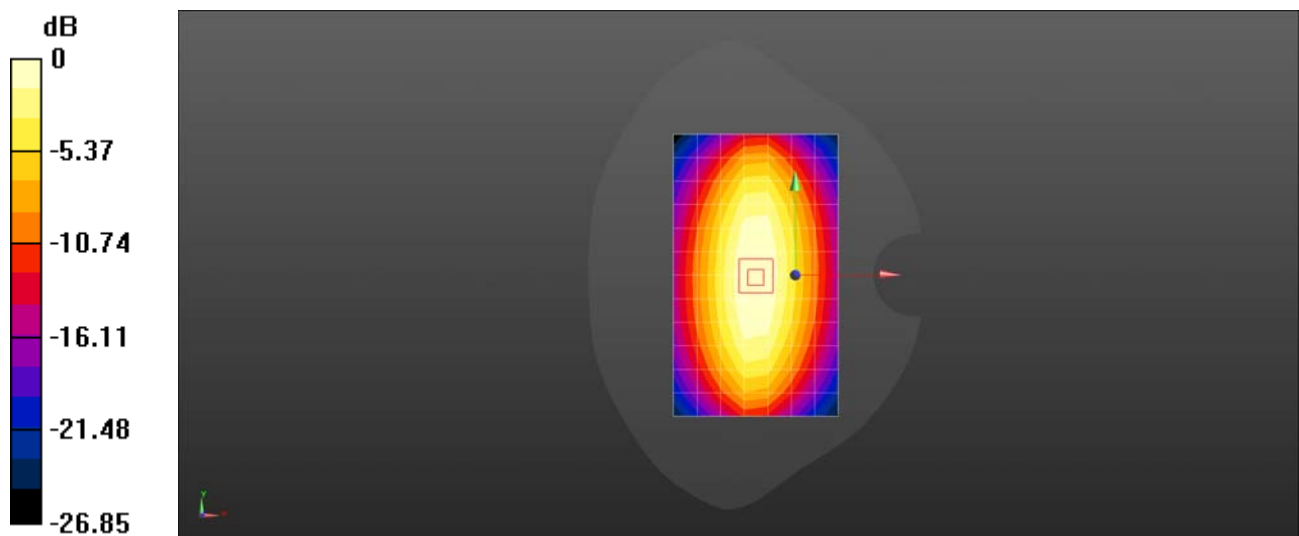
Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 50.31 V/m ; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.07 W/kg

SAR(1 g) = 2.06 W/kg ; SAR(10 g) = 1.36 W/kg

Maximum value of SAR (measured) = 2.62 W/kg



$0 \text{ dB} = 2.24 \text{ W/kg} = 3.51 \text{ dBW/kg}$

Test Laboratory: SGS-SAR Lab

System Performance Check 750 MHz Head

DUT: D750V3; Type: D750V3; Serial: D750V3 - SN:1160

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used: $f = 750$ MHz; $\sigma = 0.895$ S/m; $\epsilon_r = 41.649$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(6.6, 6.6, 6.6); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 10; Type: SAM; Serial: 1563
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/d=15mm, Pin=250mW/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.52 W/kg

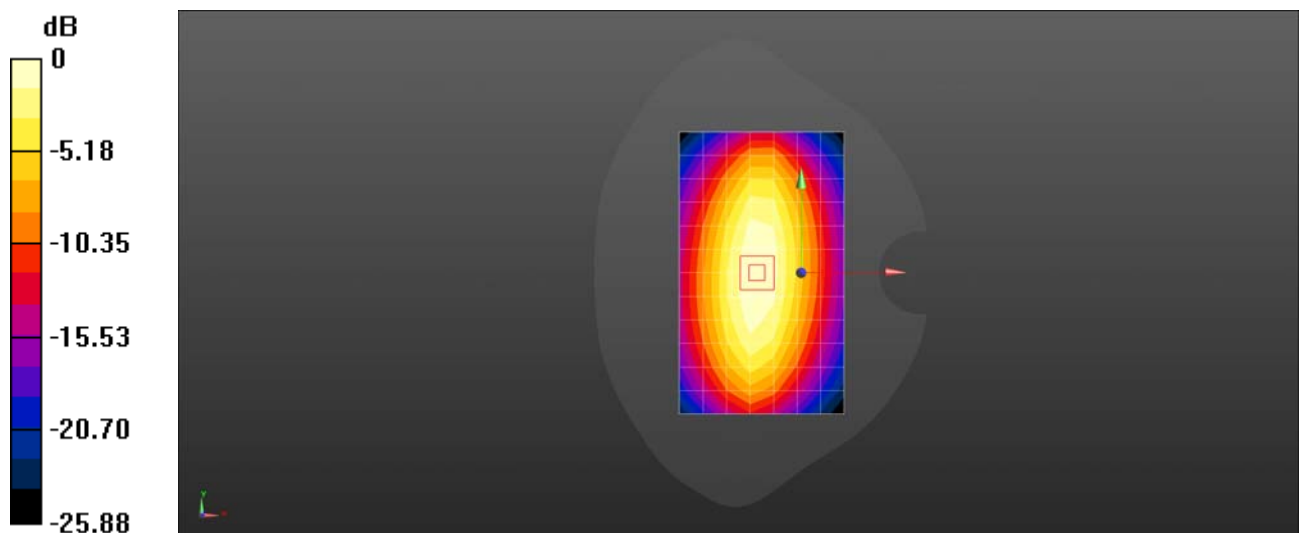
Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 50.11 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.16 W/kg

SAR(1 g) = 2.11 W/kg; SAR(10 g) = 1.38 W/kg

Maximum value of SAR (measured) = 2.69 W/kg



0 dB = 2.52 W/kg = 4.01 dBW/kg

Test Laboratory: SGS-SAR Lab

System Performance Check 750 MHz Head

DUT: D750V3; Type: D750V3; Serial: 1160

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.879 \text{ S/m}$; $\epsilon_r = 42.786$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(9.15, 9.15, 9.15); Calibrated: 2020-07-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn702; Calibrated: 2020-08-13
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=15mm, Pin=250mW/Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 2.64 W/kg

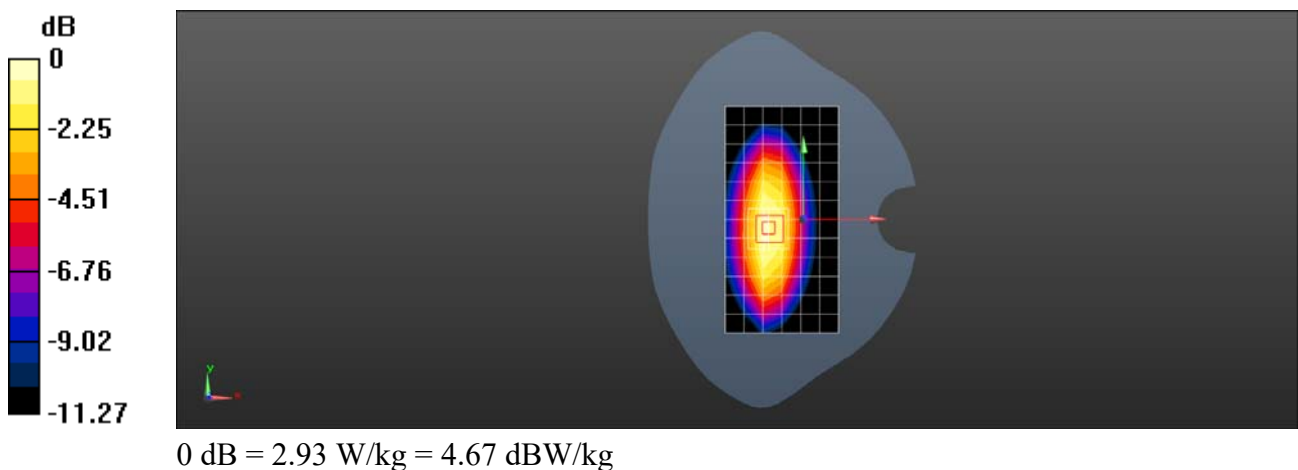
Body/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 44.74 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.37 W/kg

SAR(1 g) = 2.12 W/kg ; SAR(10 g) = 1.37 W/kg

Maximum value of SAR (measured) = 2.93 W/kg



Test Laboratory: SGS-SAR Lab

System Performance Check 835 MHz Head

DUT: D835V2; Type: D835V2; Serial: 4d105

Communication System: UID 0, 835MHZ; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 40.83$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(6.37, 6.37, 6.37); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 10; Type: SAM; Serial: 1563
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/system check/Area Scan (6x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 2.47 W/kg

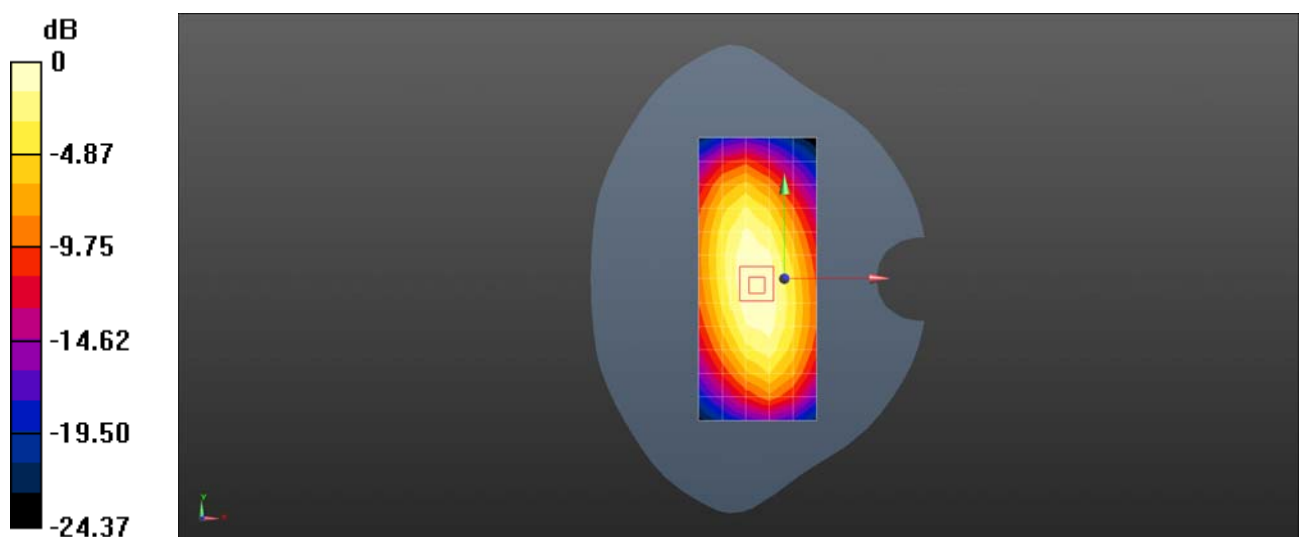
Configuration/system check/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 54.28 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.26 W/kg

SAR(1 g) = 2.35 W/kg ; SAR(10 g) = 1.57 W/kg

Maximum value of SAR (measured) = 2.72 W/kg



0 dB = 2.47 W/kg = 3.93 dBW/kg

Test Laboratory: SGS-SAR Lab

System Performance Check 835 MHz Head

DUT: D835V2; Type: D835V2; Serial: 4d105

Communication System: UID 0, 835MHZ; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $\epsilon_r = 42.595$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(6.37, 6.37, 6.37); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 10; Type: SAM; Serial: 1563
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/system check/Area Scan (6x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 2.59 W/kg

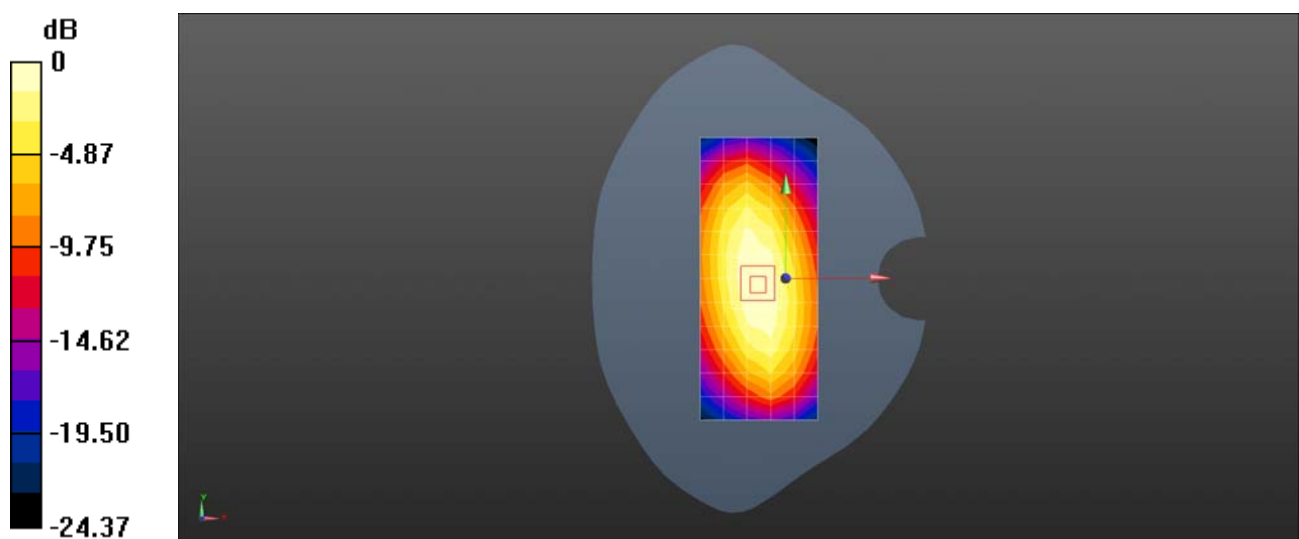
Configuration/system check/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 54.28 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.42 W/kg

SAR(1 g) = 2.46 W/kg ; SAR(10 g) = 1.65 W/kg

Maximum value of SAR (measured) = 2.85 W/kg



Test Laboratory: SGS-SAR Lab

System Performance Check 835 MHz Head

DUT: D835V2; Type: D835V2; Serial: 4d105

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.913 \text{ S/m}$; $\epsilon_r = 43.352$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(6.37, 6.37, 6.37); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 10; Type: SAM; Serial: 1563
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=15mm, Pin=250mW/Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 2.88 W/kg

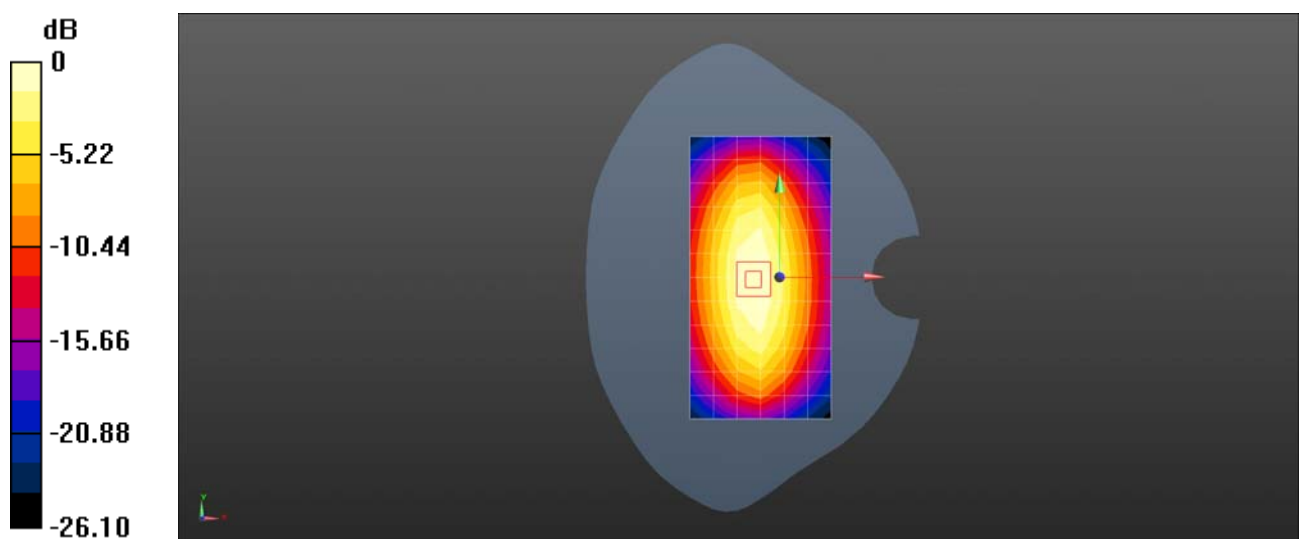
Body/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 54.24 V/m ; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 3.60 W/kg

SAR(1 g) = 2.39 W/kg ; SAR(10 g) = 1.57 W/kg

Maximum value of SAR (measured) = 3.04 W/kg



0 dB = 2.88 W/kg = 4.59 dBW/kg

Test Laboratory: SGS-SAR Lab

System Performance Check 835 MHz Head

DUT: D835V2; Type: D835V2; Serial: 4d105

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.898 \text{ S/m}$; $\epsilon_r = 42.422$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(8.8, 8.8, 8.8); Calibrated: 2020-07-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn702; Calibrated: 2020-08-13
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=15mm, Pin=250mW/Area Scan (8x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 3.02 W/kg

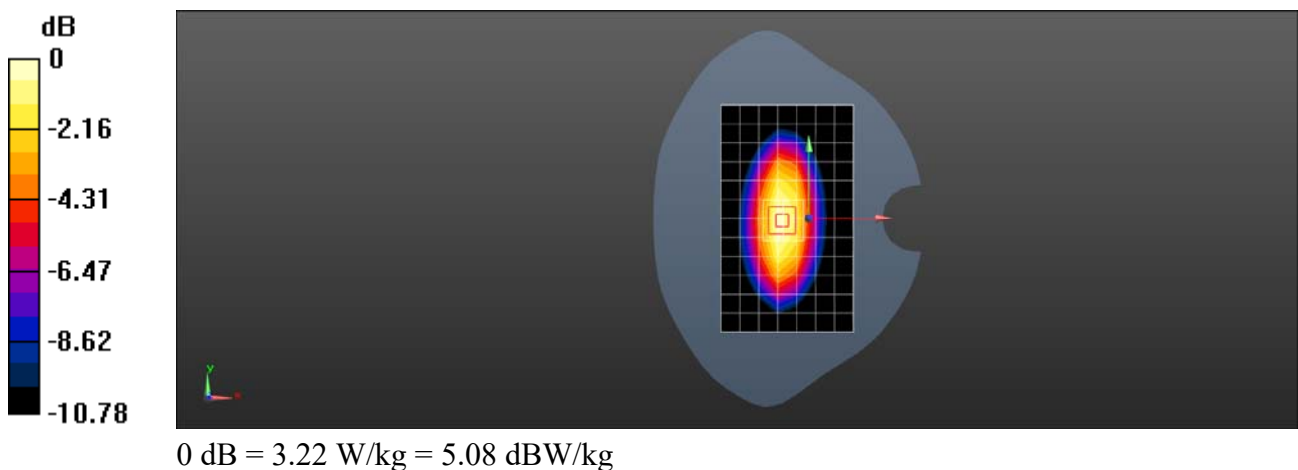
Body/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 53.74 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.87 W/kg

SAR(1 g) = 2.5 W/kg ; SAR(10 g) = 1.63 W/kg

Maximum value of SAR (measured) = 3.22 W/kg



Test Laboratory: SGS-SAR Lab

System Performance Check 1750 MHz Head

DUT: D1750V2; Type: D1750V2; Serial: 1149

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used: $f = 1750$ MHz; $\sigma = 1.338$ S/m; $\epsilon_r = 40.238$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(5.44, 5.44, 5.44); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 9; Type: SAM; Serial: 1769
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=10mm, Pin=250mW/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 13.9 W/kg

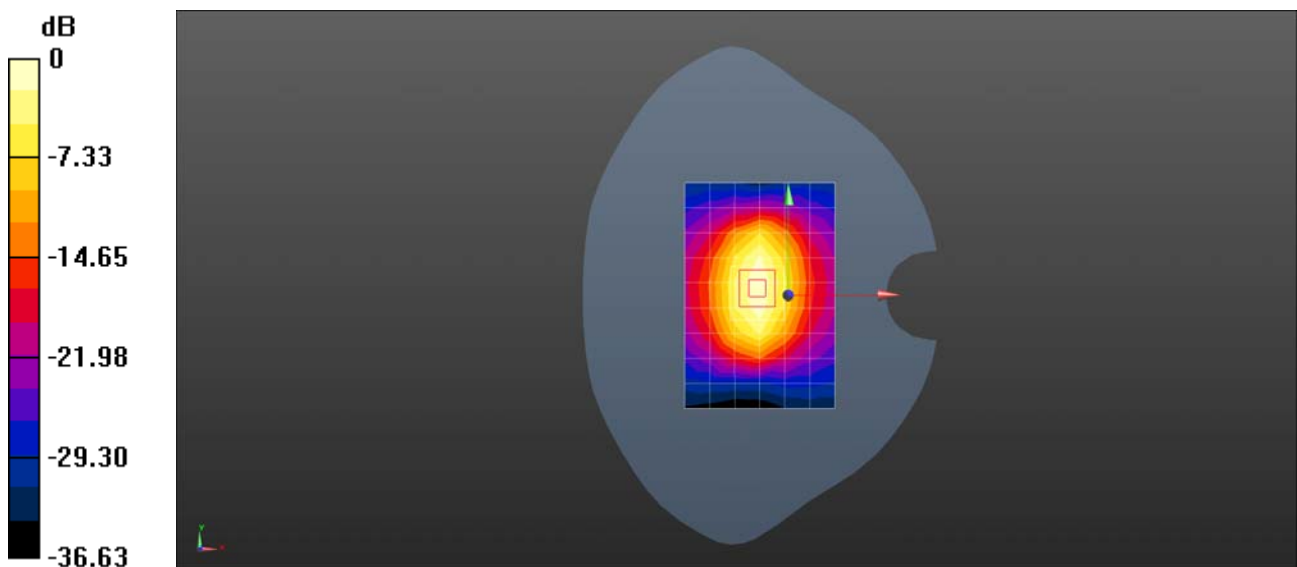
Body/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 85.86 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 17.2 W/kg

SAR(1 g) = 9.29 W/kg; SAR(10 g) = 4.94 W/kg

Maximum value of SAR (measured) = 14.3 W/kg



0 dB = 13.9 W/kg = 11.43 dBW/kg

Test Laboratory: SGS-SAR Lab

System Performance Check 1750 MHz Head

DUT: D1750V2; Type: D1750V2; Serial: 1149

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used: $f = 1750$ MHz; $\sigma = 1.345$ S/m; $\epsilon_r = 40.419$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(9.11, 9.11, 9.11); Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2021-03-01
- Phantom: SAM 12; Type: QD 000 P41 Ax; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=10mm, Pin=250mW/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 14.0 W/kg

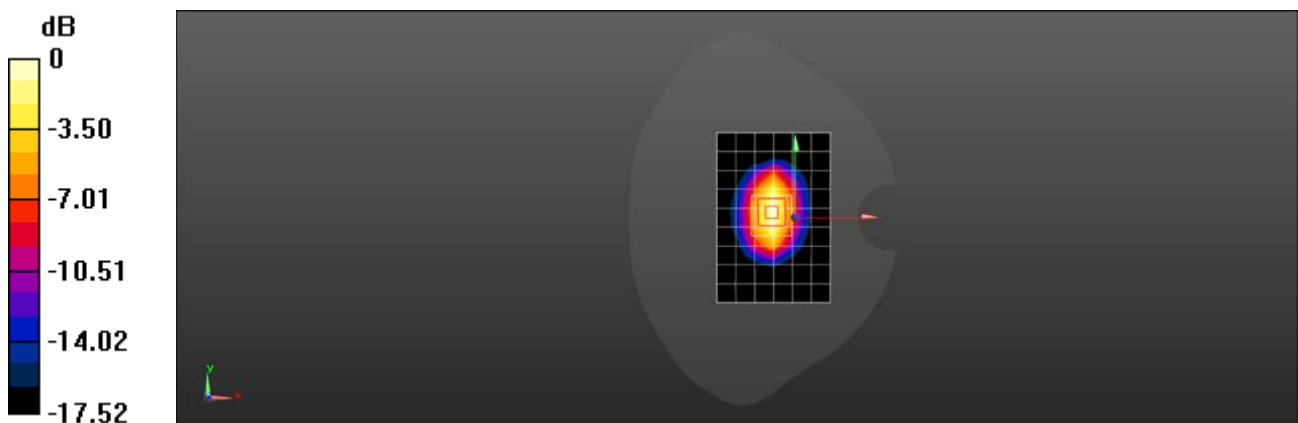
Body/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 85.92 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 17.3 W/kg

SAR(1 g) = 9.36 W/kg; SAR(10 g) = 4.98 W/kg

Maximum value of SAR (measured) = 14.4 W/kg



0 dB = 14.4 W/kg = 11.58 dBW/kg

Test Laboratory: SGS-SAR Lab

System Performance Check 1900 MHz Head

DUT: D1900V2; Type: D1900V2; Serial: 5d028

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.416$ S/m; $\epsilon_r = 40.321$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(5.2, 5.2, 5.2); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 9; Type: SAM; Serial: 1769
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=10mm, Pin=250mW/Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 9.88 W/kg

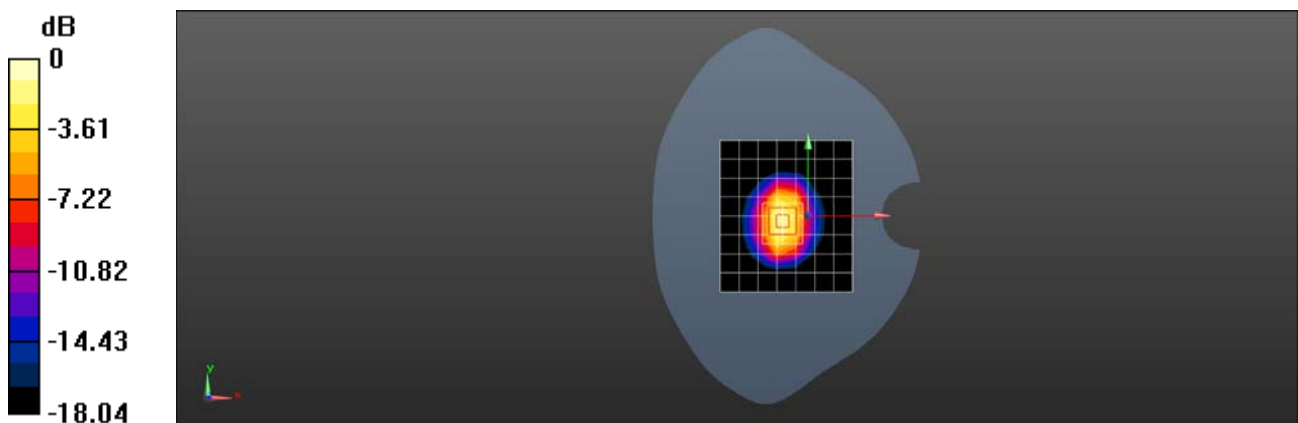
Body/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 88.89 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 19.4 W/kg

SAR(1 g) = 10.5 W/kg; SAR(10 g) = 5.42 W/kg

Maximum value of SAR (measured) = 11.8 W/kg



0 dB = 11.8 W/kg = 10.72 dBW/kg

Test Laboratory: SGS-SAR Lab

System Performance Check 1900 MHz Head

DUT: D1900V2; Type: D1900V2; Serial: 5d028

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.376$ S/m; $\epsilon_r = 40.173$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(5.2, 5.2, 5.2); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 9; Type: SAM; Serial: 1769
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=10mm, Pin=250mW/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 10.7 W/kg

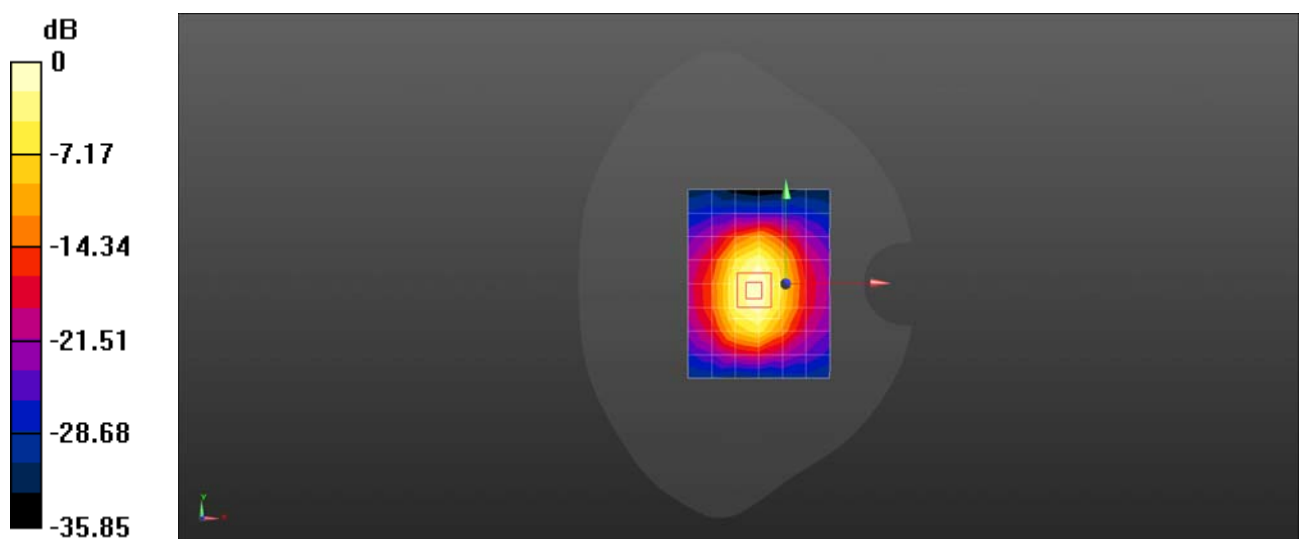
Body/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 88.67 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 18.8 W/kg

SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.26 W/kg

Maximum value of SAR (measured) = 11.4 W/kg



0 dB = 10.7 W/kg = 10.31 dBW/kg

Test Laboratory: SGS-SAR Lab

System Performance Check 1900 MHz Head

DUT: D1900V2; Type: D1900V2; Serial: 5d028

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.392$ S/m; $\epsilon_r = 41.604$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(8.85, 8.85, 8.85); Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2021-03-01
- Phantom: SAM 12; Type: QD 000 P41 Ax; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 14.9 W/kg

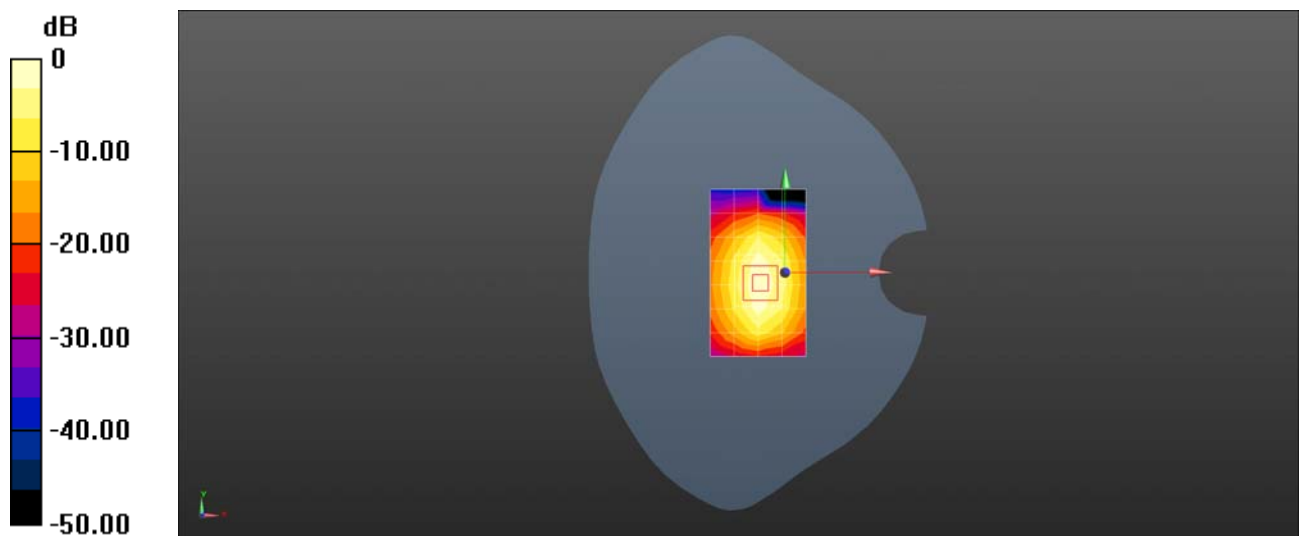
Body/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 85.37 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 17.8 W/kg

SAR(1 g) = 9.79 W/kg; SAR(10 g) = 5.15 W/kg

Maximum value of SAR (measured) = 15.0 W/kg



0 dB = 14.9 W/kg = 11.72 dBW/kg

Test Laboratory: SGS-SAR Lab

System Performance Check 2300MHz Head

DUT: D2300V2; Type: D2300V2; Serial: 1072

Communication System: UID 0, CW (0); Frequency: 2300 MHz; Duty Cycle: 1:1

Medium: HSL2300; Medium parameters used: $f = 2300$ MHz; $\sigma = 1.706$ S/m; $\epsilon_r = 39.073$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(7.94, 7.94, 7.94); Calibrated: 2021-04-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2021-03-01
- Phantom: SAM 12; Type: QD 000 P41 Ax; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=10mm, Pin=250mW/Area Scan (9x10x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 18.7 W/kg

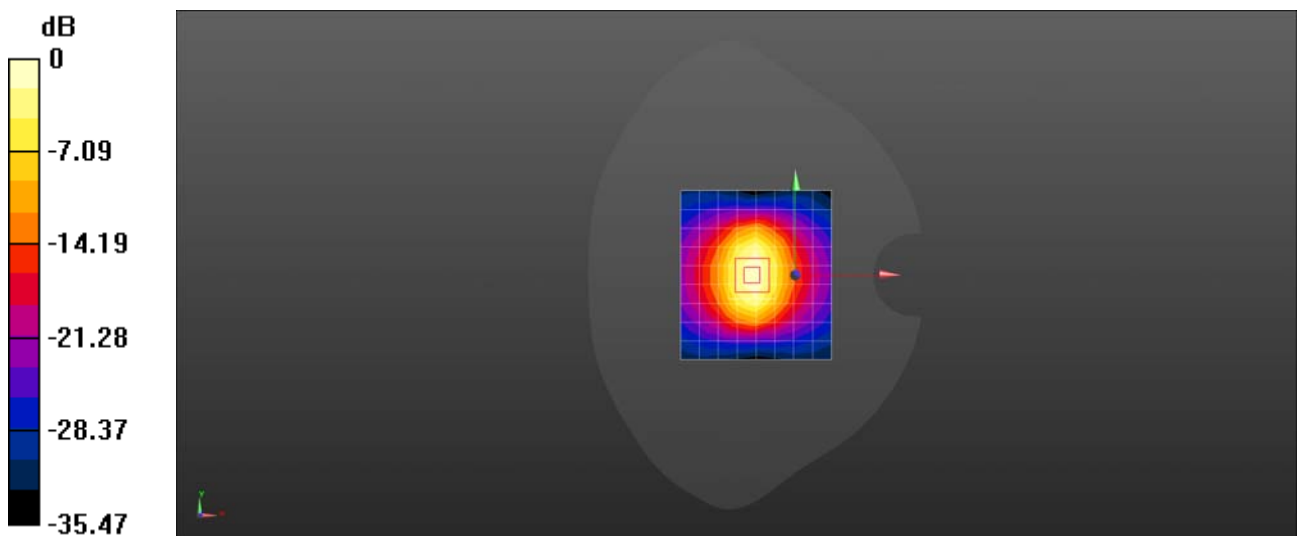
Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 91.49 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 25.4 W/kg

SAR(1 g) = 12.7 W/kg; SAR(10 g) = 6.03 W/kg

Maximum value of SAR (measured) = 20.9 W/kg



0 dB = 18.7 W/kg = 12.71 dBW/kg

Test Laboratory: SGS-SAR Lab

System Performance Check 2450MHz Head

DUT: D2450GHzV2; Type: D2450V2; Serial: 733

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL2450; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.855$ S/m; $\epsilon_r = 38.744$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(4.86, 4.86, 4.86); Calibrated: 2021-02-10
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 9; Type: SAM; Serial: 1769
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=10mm, Pin=250mW/Area Scan (9x15x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 24.4 W/kg

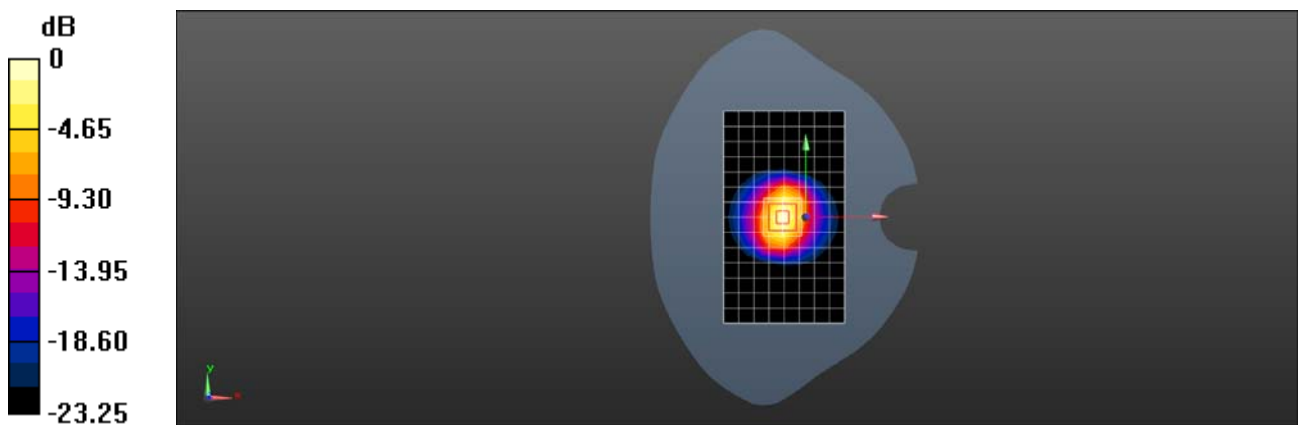
Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 92.16 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 31.3 W/kg

SAR(1 g) = 14.2 W/kg; SAR(10 g) = 6.52 W/kg

Maximum value of SAR (measured) = 24.7 W/kg



Test Laboratory: SGS-SAR Lab

System Performance Check 2600MHz Head

DUT: D2600V2; Type: D2600V2; Serial: 1125

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL2600; Medium parameters used: $f = 2600$ MHz; $\sigma = 1.961$ S/m; $\epsilon_r = 38.901$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3204; ConvF(4.61, 4.61, 4.61); Calibrated: 2021-02-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2021-02-05
- Phantom: SAM 9; Type: SAM; Serial: 1769
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=10mm, Pin=250mW/Area Scan (9x15x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 25.6 W/kg

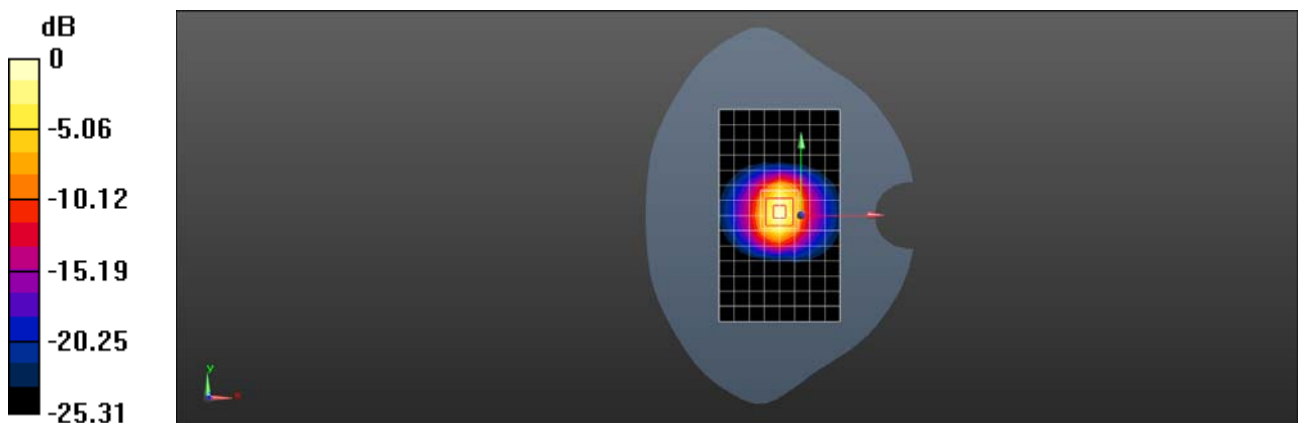
Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 91.65 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 34.2 W/kg

SAR(1 g) = 15 W/kg; SAR(10 g) = 6.62 W/kg

Maximum value of SAR (measured) = 26.5 W/kg



0 dB = 26.5 W/kg = 14.23 dBW/kg

Test Laboratory: SGS-SAR Lab

System Performance Check 2600MHz Head

DUT: D2600V2; Type: D2600V2; Serial: 1125

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL2600; Medium parameters used: $f = 2600$ MHz; $\sigma = 2$ S/m; $\epsilon_r = 39.388$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(7.43, 7.43, 7.43); Calibrated: 2021-04-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2021-03-01
- Phantom: SAM 12; Type: QD 000 P41 Ax; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=10mm, Pin=250mW/Area Scan (7x13x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 22.7 W/kg

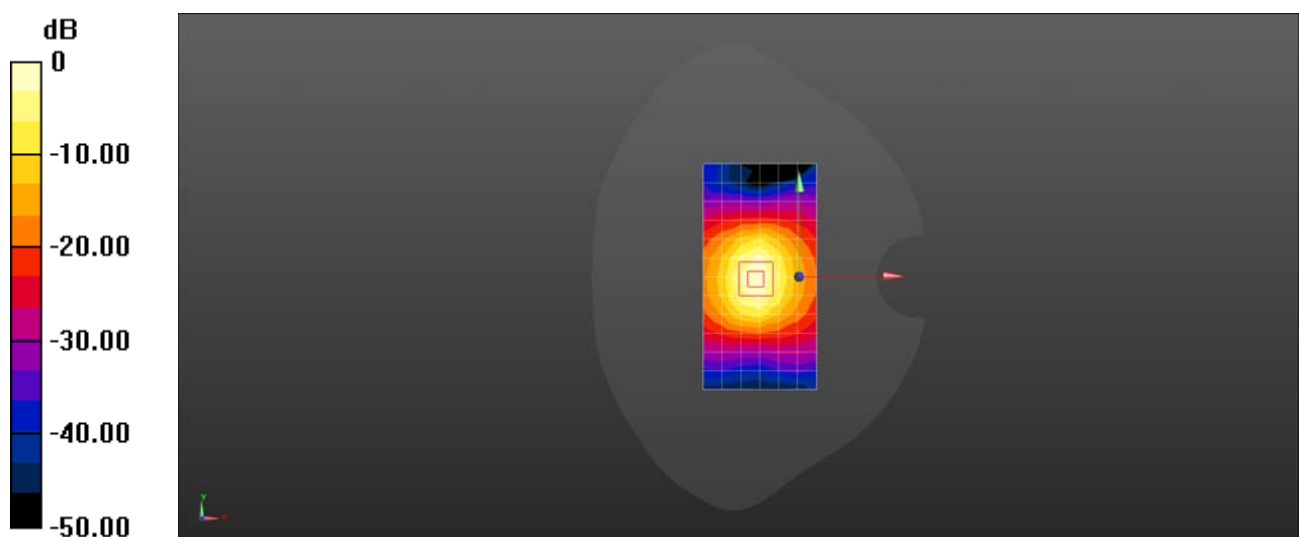
Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 87.29 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 30.2 W/kg

SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.23 W/kg

Maximum value of SAR (measured) = 23.9 W/kg



0 dB = 22.7 W/kg = 13.56 dBW/kg

Test Laboratory: SGS-SAR Lab

System Performance Check 2600MHz Head

DUT: D2600V2; Type: D2600V2; Serial: 1125

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL2600; Medium parameters used: $f = 2600$ MHz; $\sigma = 1.909$ S/m; $\epsilon_r = 38.475$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(8.26, 8.26, 8.26); Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2021-03-01
- Phantom: SAM 12; Type: QD 000 P41 Ax; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=10mm, Pin=250mW/Area Scan (7x13x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 21.7 W/kg

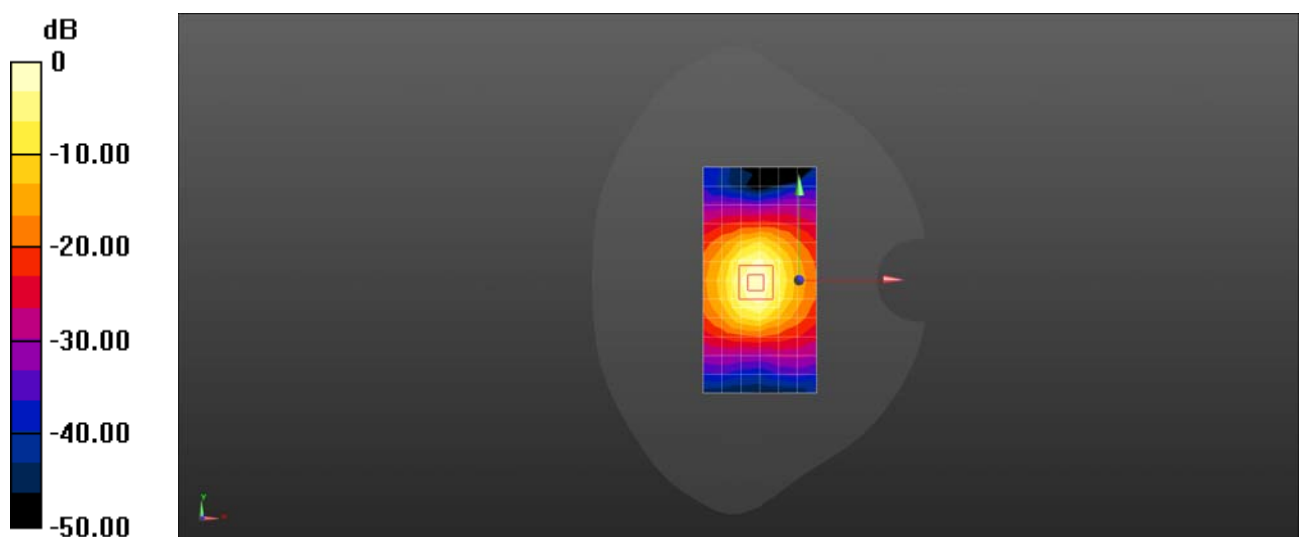
Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 87.29 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 28.9 W/kg

SAR(1 g) = 13.3 W/kg; SAR(10 g) = 5.94 W/kg

Maximum value of SAR (measured) = 22.8 W/kg



0 dB = 21.7 W/kg = 13.36 dBW/kg

Test Laboratory: SGS-SAR Lab

System Performance Check 3500MHz Head

DUT: D3500V2; Type: D3500V2; Serial: 1082

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

Medium: HSL3500; Medium parameters used: $f = 3500$ MHz; $\sigma = 2.993$ S/m; $\epsilon_r = 38.234$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(7.05, 7.05, 7.05); Calibrated: 2021-04-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2021-03-01
- Phantom: SAM 12; Type: QD 000 P41 Ax; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=10mm, Pin=100mW/Area Scan (6x9x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 10.9 W/kg

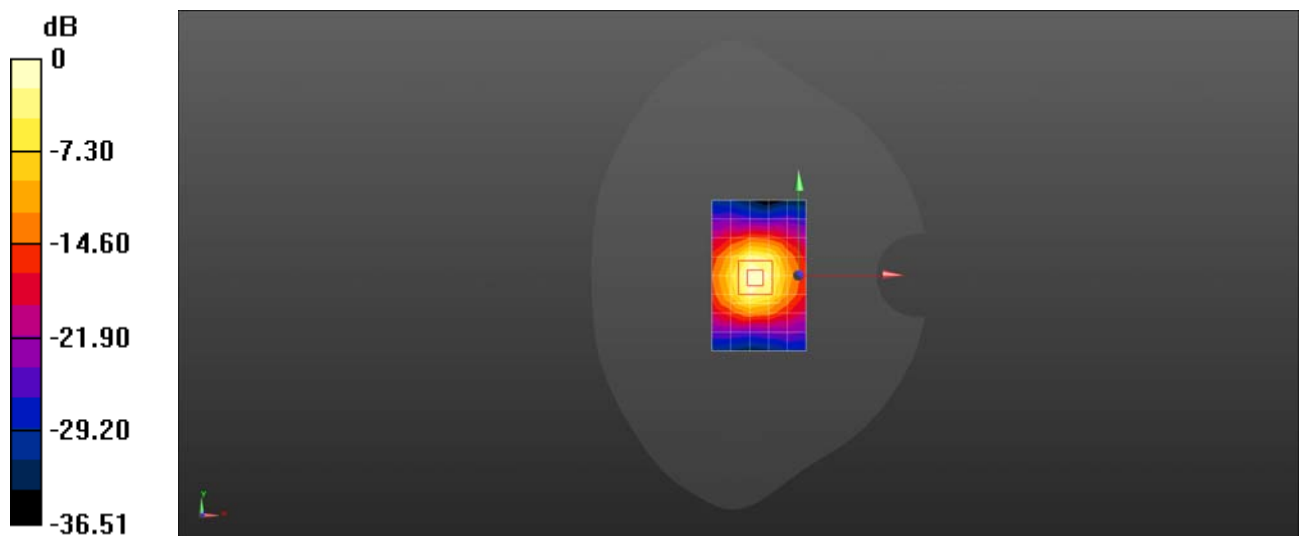
Body/d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 49.71 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 17.0 W/kg

SAR(1 g) = 6.55 W/kg; SAR(10 g) = 2.51 W/kg

Maximum value of SAR (measured) = 12.7 W/kg



0 dB = 10.9 W/kg = 10.36 dBW/kg

Test Laboratory: SGS-SAR Lab

System Performance Check 3700MHz Head

DUT: D3700V2; Type: D3700V2; Serial: 1046

Communication System: UID 0, CW (0); Frequency: 3700 MHz; Duty Cycle: 1:1

Medium: HSL3700; Medium parameters used: $f = 3700$ MHz; $\sigma = 3.069$ S/m; $\epsilon_r = 37.194$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(5.95, 5.95, 5.95); Calibrated: 2020-07-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn702; Calibrated: 2020-08-13
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=10mm, Pin=100mW/Area Scan (6x9x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 12.7 W/kg

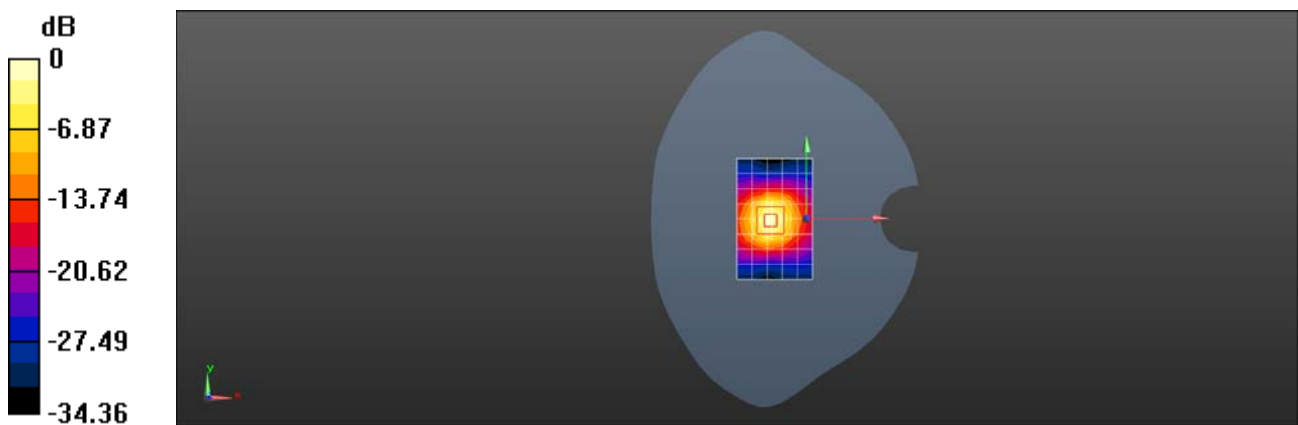
Body/d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.99 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 18.7 W/kg

SAR(1 g) = 6.92 W/kg; SAR(10 g) = 2.57 W/kg

Maximum value of SAR (measured) = 13.7 W/kg



Test Laboratory: SGS-SAR Lab

System Performance Check 3700MHz Head

DUT: D3700V2; Type: D3700V2; Serial: 1046

Communication System: UID 0, CW (0); Frequency: 3700 MHz; Duty Cycle: 1:1

Medium: HSL3700; Medium parameters used: $f = 3700$ MHz; $\sigma = 3.225$ S/m; $\epsilon_r = 37.612$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(6.65, 6.65, 6.65); Calibrated: 2021-04-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2021-03-01
- Phantom: SAM 12; Type: QD 000 P41 Ax; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=10mm, Pin=100mW/Area Scan (6x9x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 11.8 W/kg

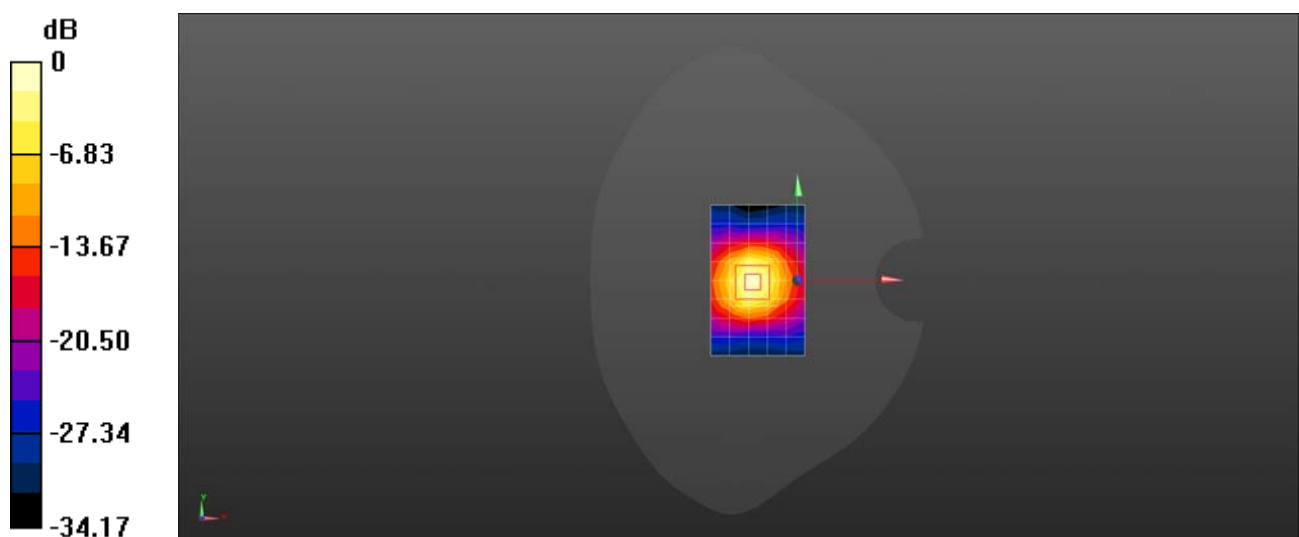
Body/d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.52 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 17.5 W/kg

SAR(1 g) = 6.46 W/kg; SAR(10 g) = 2.39 W/kg

Maximum value of SAR (measured) = 12.8 W/kg



0 dB = 11.8 W/kg = 10.72 dBW/kg

Test Laboratory: SGS-SAR Lab

System Performance Check 3900MHz Head

DUT: D3900V2; Type: D3900V2; Serial: 1026

Communication System: UID 0, CW (0); Frequency: 3900 MHz; Duty Cycle: 1:1

Medium: HSL3900; Medium parameters used: $f = 3900$ MHz; $\sigma = 3.283$ S/m; $\epsilon_r = 36.483$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.06, 6.06, 6.06); Calibrated: 2020-07-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn702; Calibrated: 2020-08-13
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=10mm, Pin=100mW/Area Scan (6x9x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 11.9 W/kg

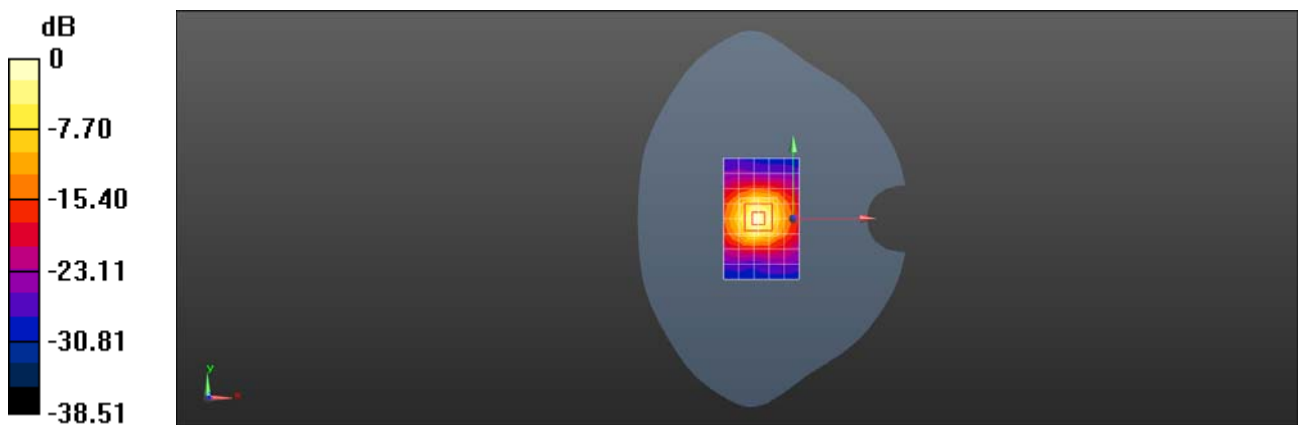
Body/d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.11 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 17.7 W/kg

SAR(1 g) = 6.64 W/kg; SAR(10 g) = 2.35 W/kg

Maximum value of SAR (measured) = 13.4 W/kg



0 dB = 13.4 W/kg = 11.27 dBW/kg

Test Laboratory: SGS-SAR Lab

System Performance Check 5.25GHz Head

DUT: D5GHzV2; Type: D5GHzV2; Serial: 1165

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: HSL5G; Medium parameters used: $f = 5250 \text{ MHz}$; $\sigma = 4.672 \text{ S/m}$; $\epsilon_r = 36.518$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(5.39, 5.39, 5.39); Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2021-03-01
- Phantom: SAM 12; Type: QD 000 P41 Ax; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=10mm, Pin=100mW, f=5250 MHz/Area Scan (8x8x1): Measurement grid:

$dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 15.1 W/kg

Body/d=10mm, Pin=100mW, f=5250 MHz/Zoom Scan (7x7x7)/Cube 0: Measurement

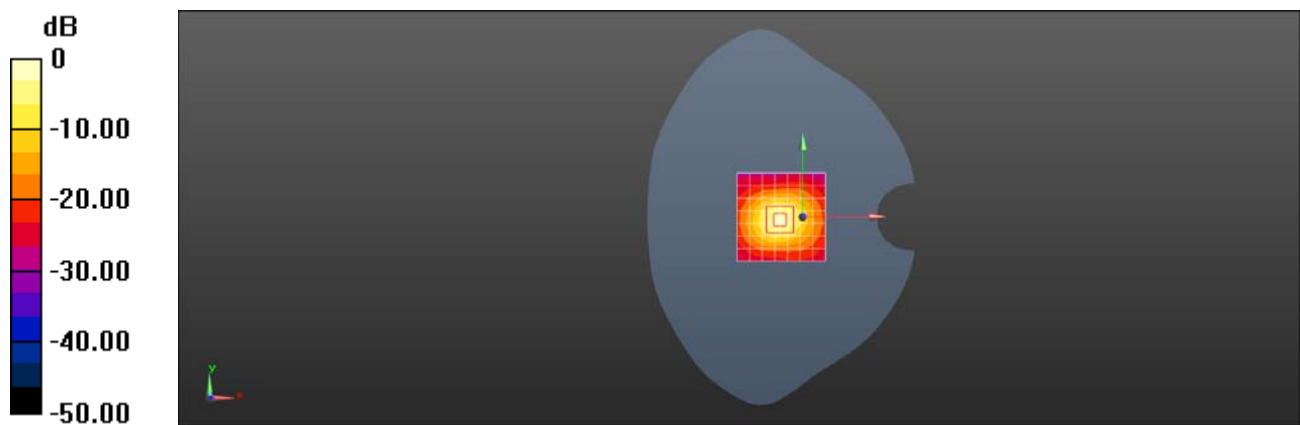
grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 68.31 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 34.1 W/kg

SAR(1 g) = 7.3 W/kg; SAR(10 g) = 2.09 W/kg

Maximum value of SAR (measured) = 19.9 W/kg



0 dB = 19.9 W/kg = 12.99 dBW/kg

Test Laboratory: SGS-SAR Lab

System Performance Check 5.6GHz Head

DUT: D5GHzV2; Type: D5GHzV2; Serial: 1165

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: HSL5G; Medium parameters used: $f = 5600$ MHz; $\sigma = 5.052$ S/m; $\epsilon_r = 35.65$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(4.9, 4.9, 4.9); Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2021-03-01
- Phantom: SAM 12; Type: QD 000 P41 Ax; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=10mm, Pin=100mW, f=5600 MHz/Area Scan (8x8x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 16.5 W/kg

Body/d=10mm, Pin=100mW, f=5600 MHz/Zoom Scan (7x7x7)/Cube 0: Measurement

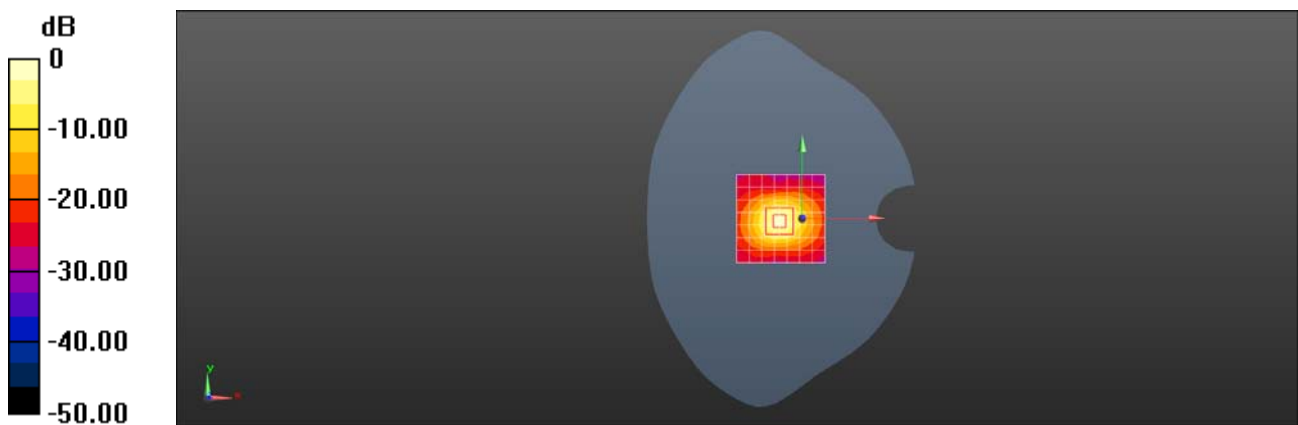
grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 68.03 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 37.6 W/kg

SAR(1 g) = 7.73 W/kg; SAR(10 g) = 2.2 W/kg

Maximum value of SAR (measured) = 21.6 W/kg



0 dB = 21.6 W/kg = 13.34 dBW/kg

Test Laboratory: SGS-SAR Lab

System Performance Check 5.75GHz Head

DUT: D5GHzV2; Type: D5GHzV2; Serial: 1165

Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: HSL5G; Medium parameters used: $f = 5750$ MHz; $\sigma = 5.244$ S/m; $\epsilon_r = 35.47$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(4.95, 4.95, 4.95); Calibrated: 2021-03-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2021-03-01
- Phantom: SAM 12; Type: QD 000 P41 Ax; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/d=10mm, Pin=100mW, f=5750 MHz/Area Scan (8x8x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 15.3 W/kg

Body/d=10mm, Pin=100mW, f=5750 MHz/Zoom Scan (7x7x7)/Cube 0: Measurement

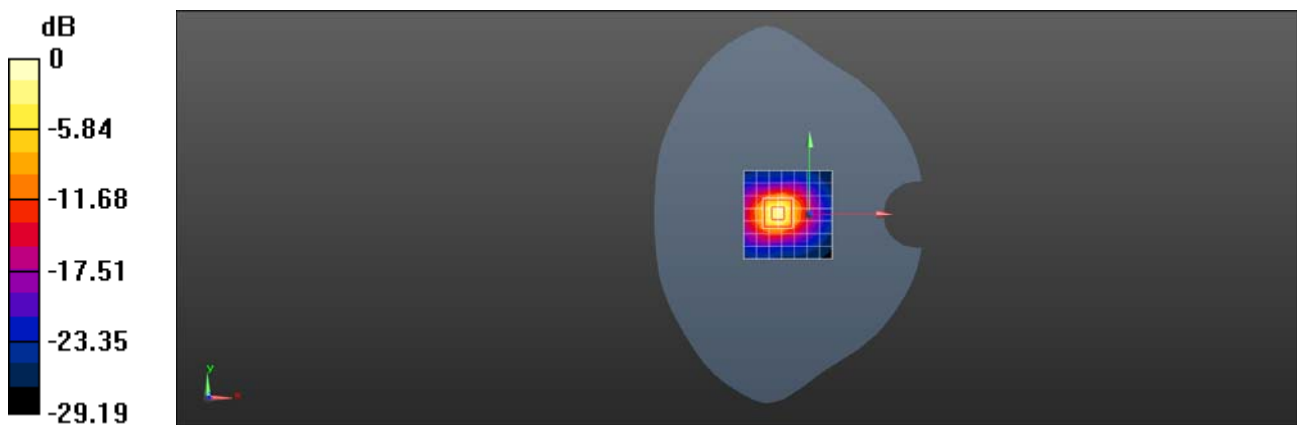
grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 45.88 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 34.6 W/kg

SAR(1 g) = 7.79 W/kg; SAR(10 g) = 2.22 W/kg

Maximum value of SAR (measured) = 20.7 W/kg



0 dB = 20.7 W/kg = 13.16 dBW/kg