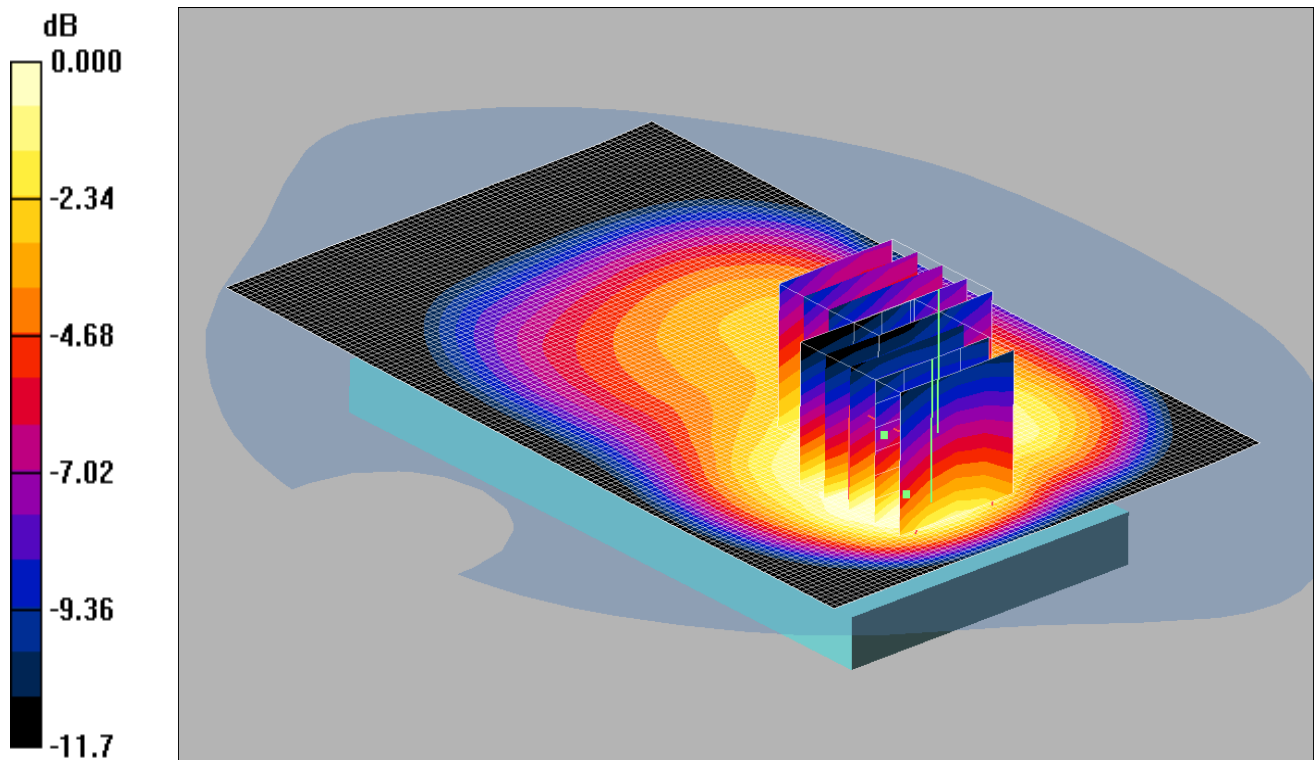


Date: 26/04/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I 8



0 dB = 0.646mW/g

Communication System: GPRS 850 MHz 3TX; Frequency: 848.8 MHz; Duty Cycle: 1:2.67

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.973$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(5.98, 5.98, 5.98);

- Sensor-Surface: 3mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/05/2015

- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020

- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Back - Hotspot - PBx/Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.733 mW/g

Back - Hotspot - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.2 V/m; Power Drift = 0.004 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.628 mW/g; SAR(10 g) = 0.361 mW/g

Maximum value of SAR (measured) = 0.766 mW/g

Back - Hotspot - PBx/Zoom Scan (5x5x7) 2 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.2 V/m; Power Drift = 0.004 dB

Peak SAR (extrapolated) = 0.844 W/kg

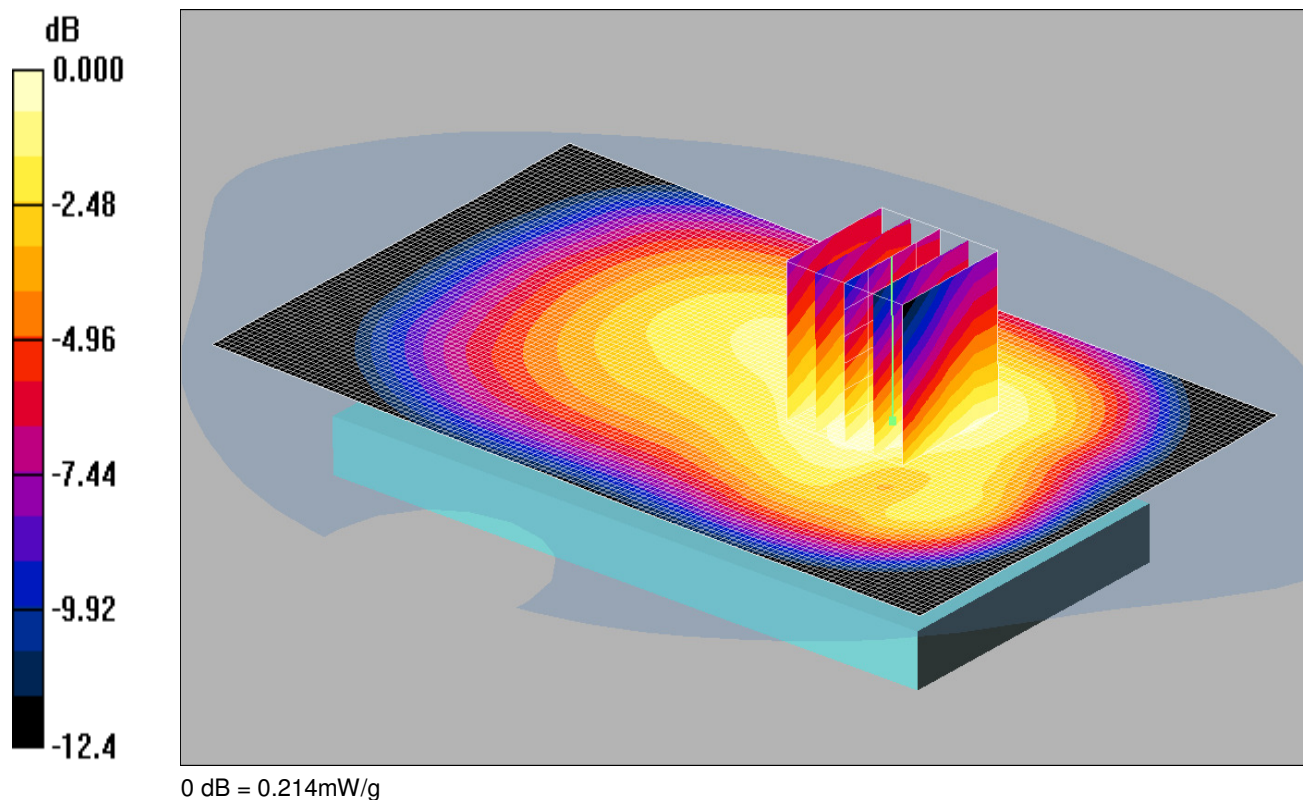
SAR(1 g) = 0.574 mW/g; SAR(10 g) = 0.404 mW/g

Maximum value of SAR (measured) = 0.646 mW/g

Note: DASY system is configured to measure any secondary maxima that are within 2dB of the measured SAR level.

Date: 26/04/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I 8



Communication System: GSM 850 MHz; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.973$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(5.98, 5.98, 5.98);

- Sensor-Surface: 3mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/05/2015

- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020

- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Back - Hotspot - PBx/Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.211 mW/g

Back - Hotspot - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.7 V/m; Power Drift = 0.000 dB

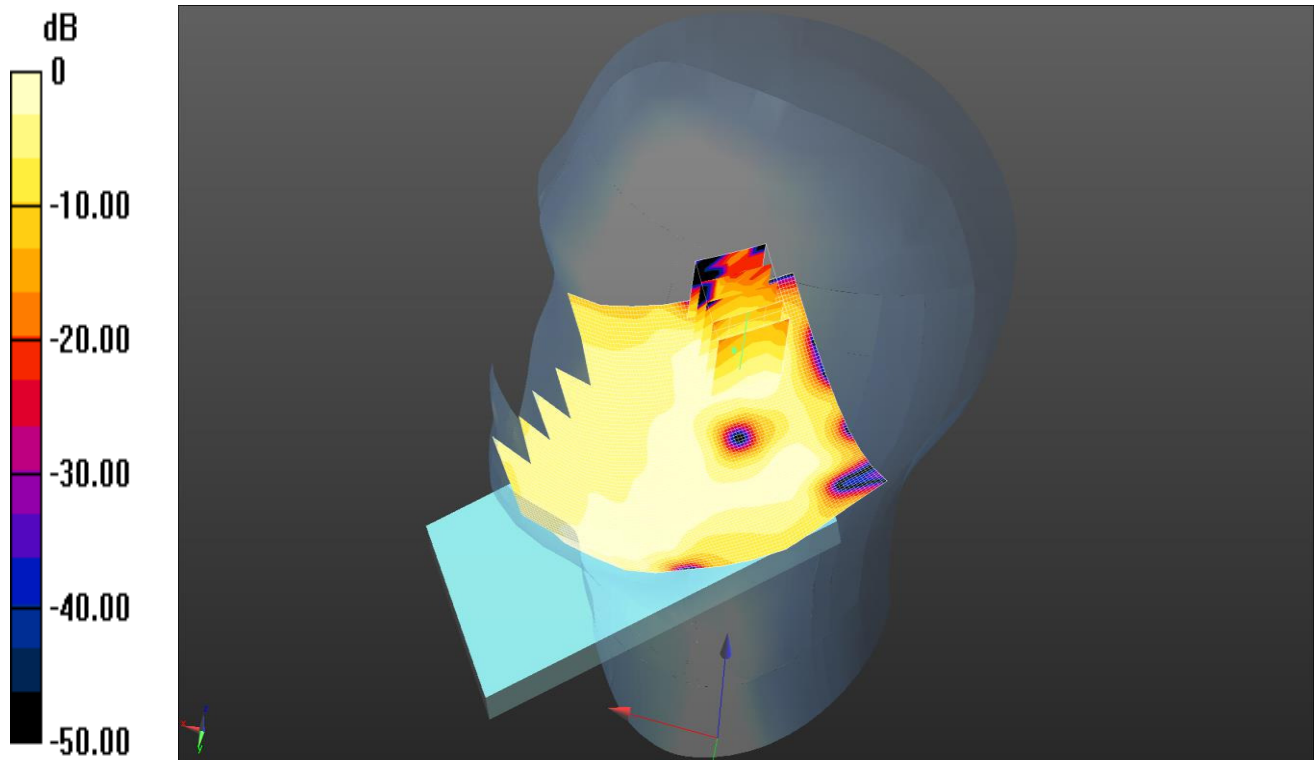
Peak SAR (extrapolated) = 0.267 W/kg

SAR(1 g) = 0.194 mW/g; SAR(10 g) = 0.142 mW/g

Maximum value of SAR (measured) = 0.214 mW/g

Date: 16/4/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; Type: Primary Antenna; Serial: 19



0 dB = 0.0187 W/kg = -17.28 dBW/kg

Communication System: UID 0, Generic GSM (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8.30042

Medium: 1900 HSL Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.441$ S/m; $\epsilon_r = 39.816$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(5.07, 5.07, 5.07); Calibrated: 25/8/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/2/2016
- Phantom: SAM A (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1836
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/TILT Right - Head - PB0/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0224 W/kg

Configuration/TILT Right - Head - PB0/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.691 V/m; Power Drift = -0.11 dB

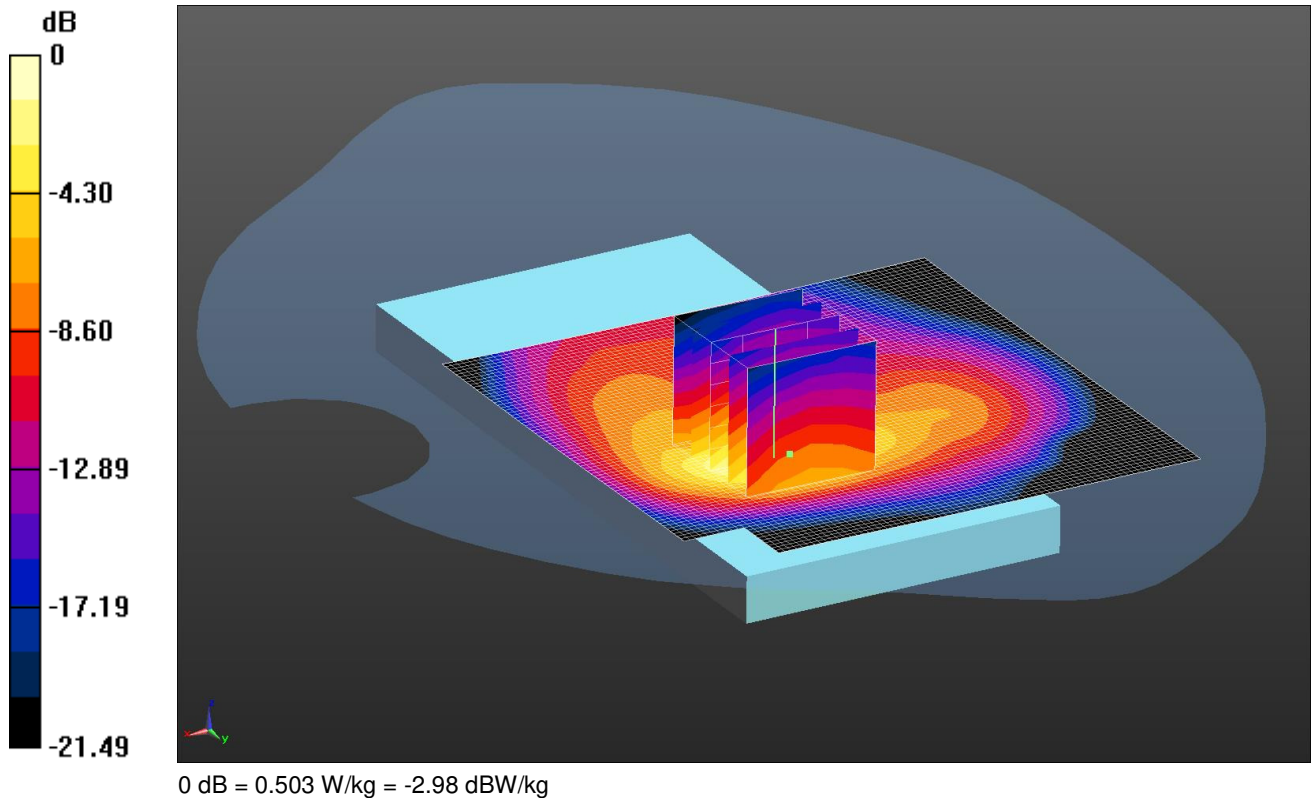
Peak SAR (extrapolated) = 0.0580 W/kg

SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.0099 W/kg

Maximum value of SAR (measured) = 0.0187 W/kg

Date: 19/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W ; Type: Primary Antenna; Serial: 18



Communication System: UID 0, GPRS 3Tx (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.66993

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.571$ S/m; $\epsilon_r = 50.954$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.84, 7.84, 7.84); Calibrated: 26/04/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 25/04/2016
- Phantom: SAM 1-2 (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1817
- ; SEMCAD X Version 14.6.10 (7372)

Configuration/Back - Hotspot - PBx/Area Scan 2 (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.484 W/kg

Configuration/Back - Hotspot - PBx/Zoom Scan 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.495 V/m; Power Drift = 0.18 dB

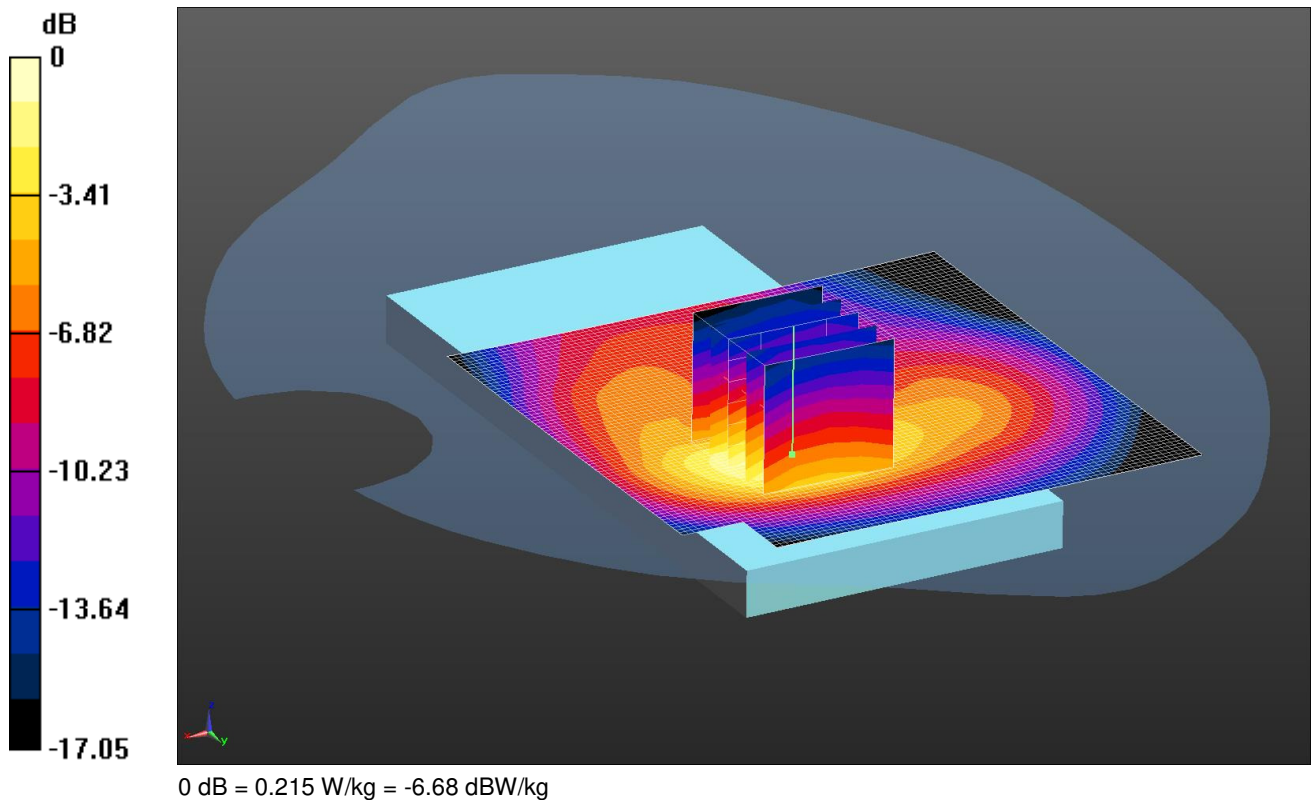
Peak SAR (extrapolated) = 0.798 W/kg

SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.213 W/kg

Maximum value of SAR (measured) = 0.503 W/kg

Date: 20/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W ; Type: Primary Antenna; Serial: 19



Communication System: UID 0, Generic GSM (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8.30042

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.571$ S/m; $\epsilon_r = 50.954$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.84, 7.84, 7.84); Calibrated: 26/04/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn450; Calibrated: 28/09/2015
- Phantom: SAM 1-2 (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1817
- ; SEMCAD X Version 14.6.10 (7372)

Configuration/Back - Bodyworn - PBx 2/Area Scan 2 2 (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.201 W/kg

Configuration/Back - Bodyworn - PBx 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.045 V/m; Power Drift = 0.06 dB

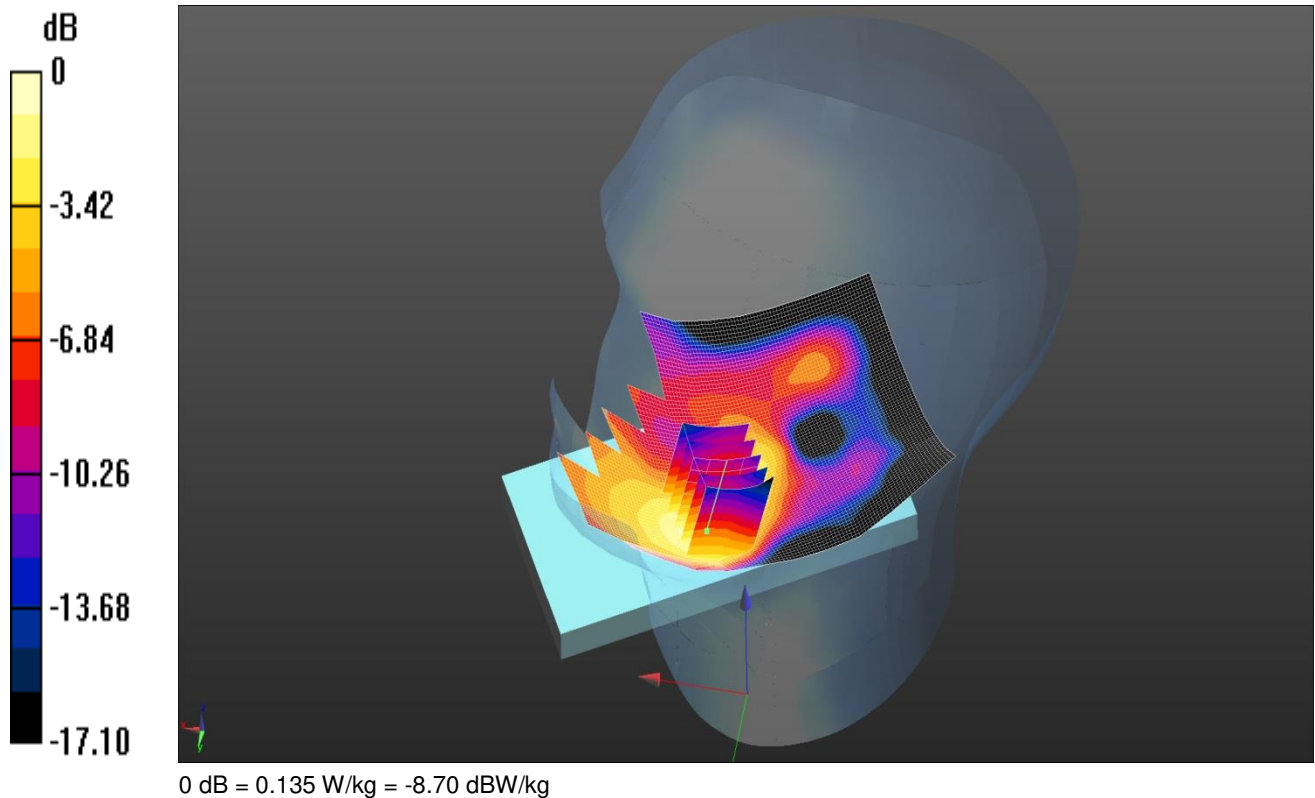
Peak SAR (extrapolated) = 0.331 W/kg

SAR(1 g) = 0.193 W/kg; SAR(10 g) = 0.105 W/kg

Maximum value of SAR (measured) = 0.215 W/kg

Date: 16/4/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; Type: Primary Antenna; Serial: 19



Communication System: UID 0, UMTS FDD (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: 1900 HSL Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.383$ S/m; $\epsilon_r = 40.012$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(5.07, 5.07, 5.07); Calibrated: 25/8/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/2/2016
- Phantom: SAM A (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1836
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Touch Right - Head - PB0/Area Scan 2 2 (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.130 W/kg

Configuration/Touch Right - Head - PB0/Zoom Scan (7x7x7) 2 2 (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.894 V/m; Power Drift = -0.03 dB

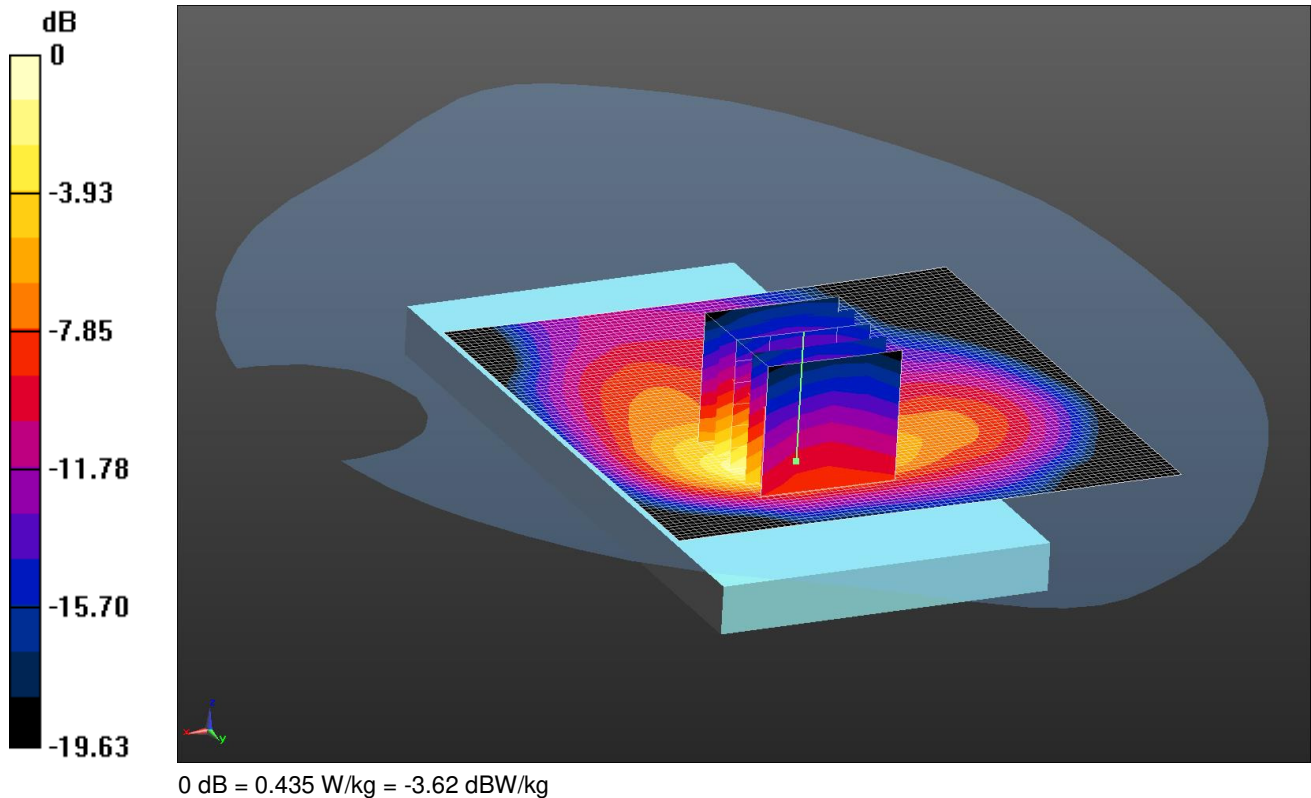
Peak SAR (extrapolated) = 0.194 W/kg

SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.077 W/kg

Maximum value of SAR (measured) = 0.135 W/kg

Date: 17/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; Type: Primary Antenna; Serial: 18



Communication System: UID 0, UMTS FDD (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.543$ S/m; $\epsilon_r = 51.646$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.84, 7.84, 7.84); Calibrated: 26/04/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/02/2016
- Phantom: SAM 1-2 (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1817
- ; SEMCAD X Version 14.6.10 (7372)

Configuration/Back - Hotspot - PB1/Area Scan (81x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.385 W/kg

Configuration/Back - Hotspot - PB1/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.498 V/m; Power Drift = 0.11 dB

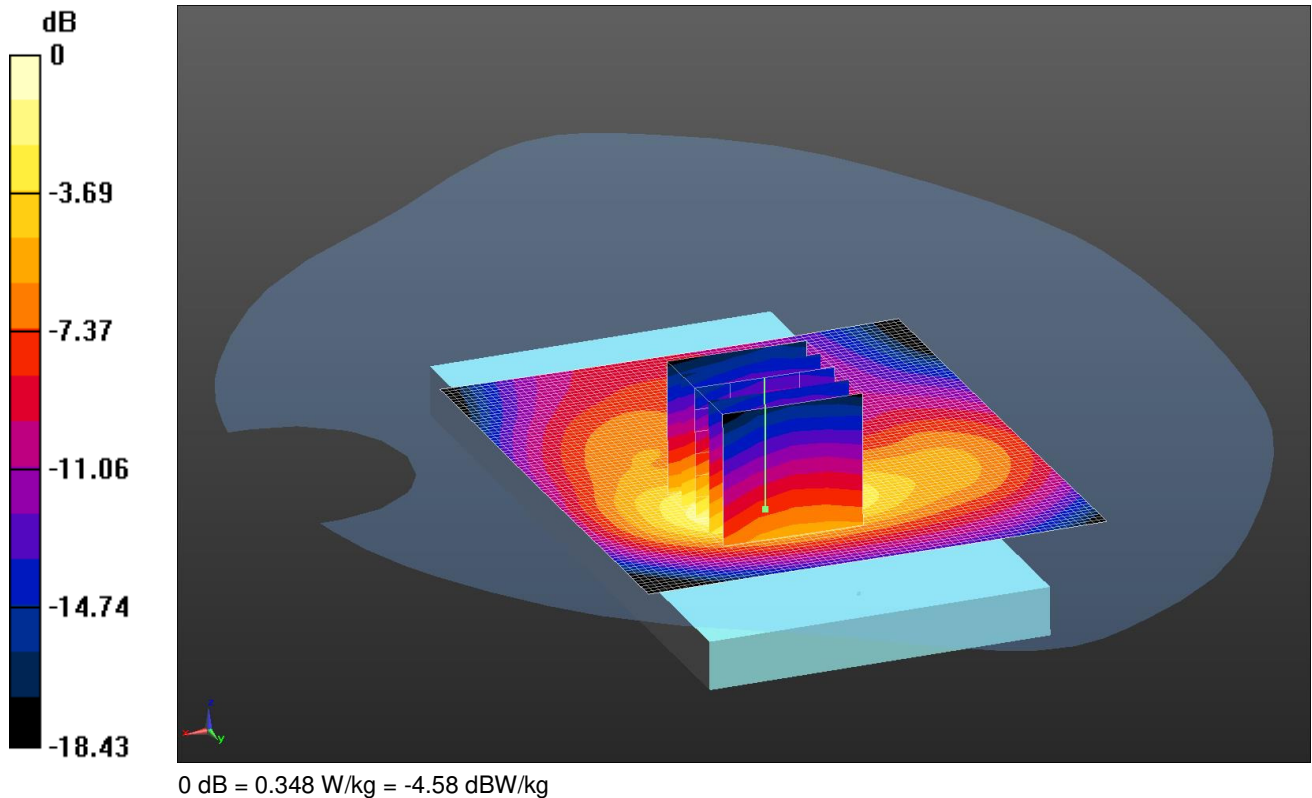
Peak SAR (extrapolated) = 0.728 W/kg

SAR(1 g) = 0.386 W/kg; SAR(10 g) = 0.190 W/kg

Maximum value of SAR (measured) = 0.435 W/kg

Date: 17/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; Type: Primary Antenna; Serial: 19



Communication System: UID 0, UMTS FDD (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.543$ S/m; $\epsilon_r = 51.646$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.84, 7.84, 7.84); Calibrated: 26/04/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/02/2016
- Phantom: SAM 1-2 (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1817
- ; SEMCAD X Version 14.6.10 (7372)

Configuration/Back - Bodyworn - PB0/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.322 W/kg

Configuration/Back - Bodyworn - PB0/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.190 V/m; Power Drift = 0.06 dB

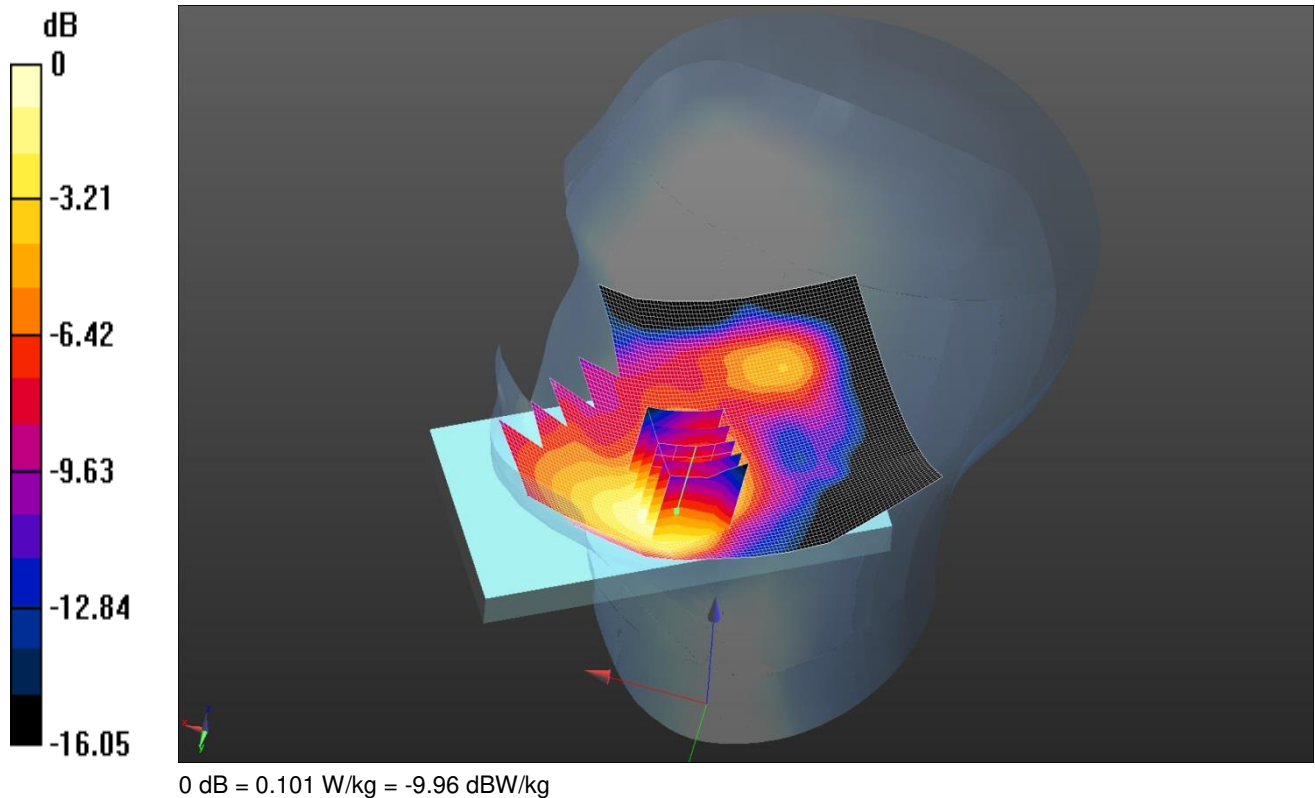
Peak SAR (extrapolated) = 0.539 W/kg

SAR(1 g) = 0.311 W/kg; SAR(10 g) = 0.168 W/kg

Maximum value of SAR (measured) = 0.348 W/kg

Date: 26/4/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: UID 0, UMTS FDD (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: 1800 MHz HSL Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.295$ S/m; $\epsilon_r = 40.845$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(5.27, 5.27, 5.27); Calibrated: 25/8/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/2/2016
- Phantom: SAM A (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1836
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Touch Right - Head - PB0/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0978 W/kg

Configuration/Touch Right - Head - PB0/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.123 V/m; Power Drift = -0.01 dB

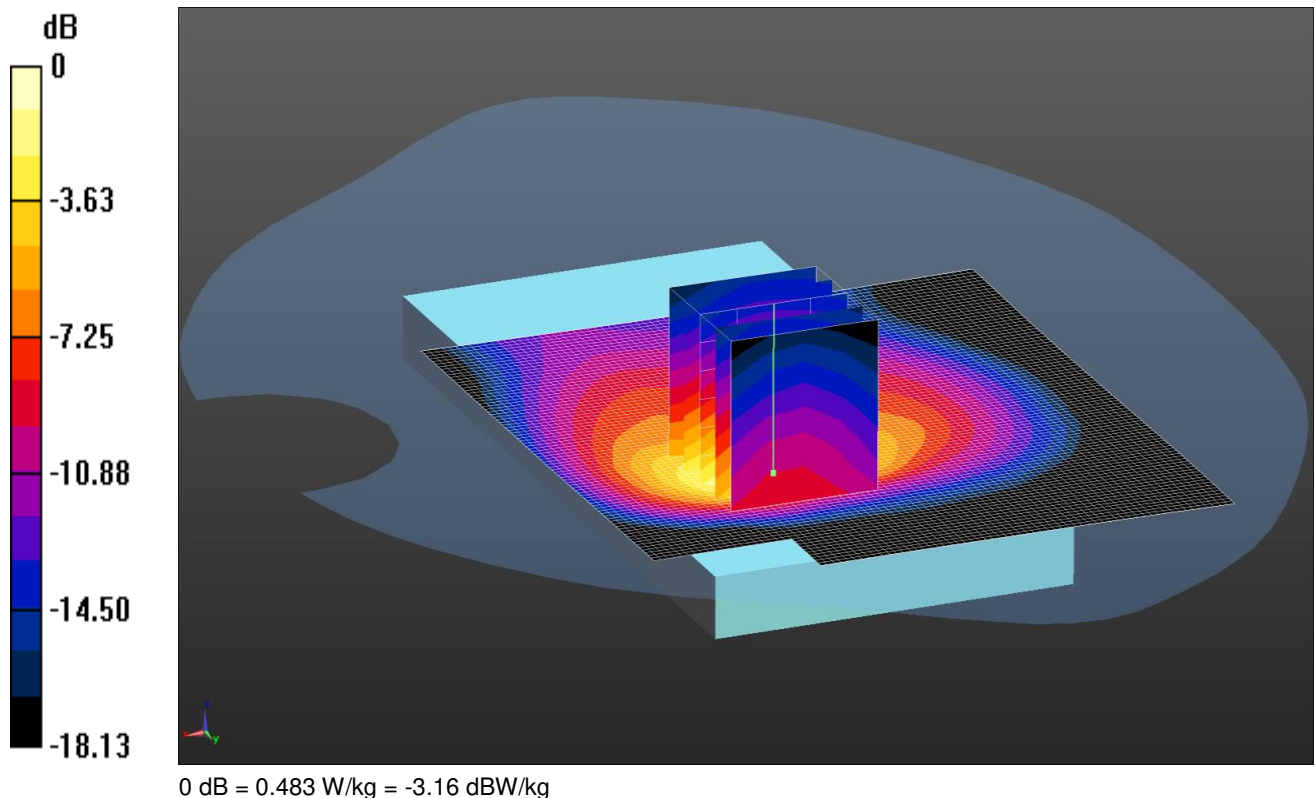
Peak SAR (extrapolated) = 0.130 W/kg

SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.058 W/kg

Maximum value of SAR (measured) = 0.101 W/kg

Date: 27/4/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; Type: Primary Antenna; Serial: 19



Communication System: UID 0, UMTS FDD (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: 1800 MHz MSL Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.486$ S/m; $\epsilon_r = 52.788$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(4.93, 4.93, 4.93); Calibrated: 25/8/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/2/2016
- Phantom: SAM B (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1836
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Back - Hotspot - PB1/Area Scan 2 2 (81x91x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.443 W/kg

Configuration/Back - Hotspot - PB1/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.45 V/m; Power Drift = -0.03 dB

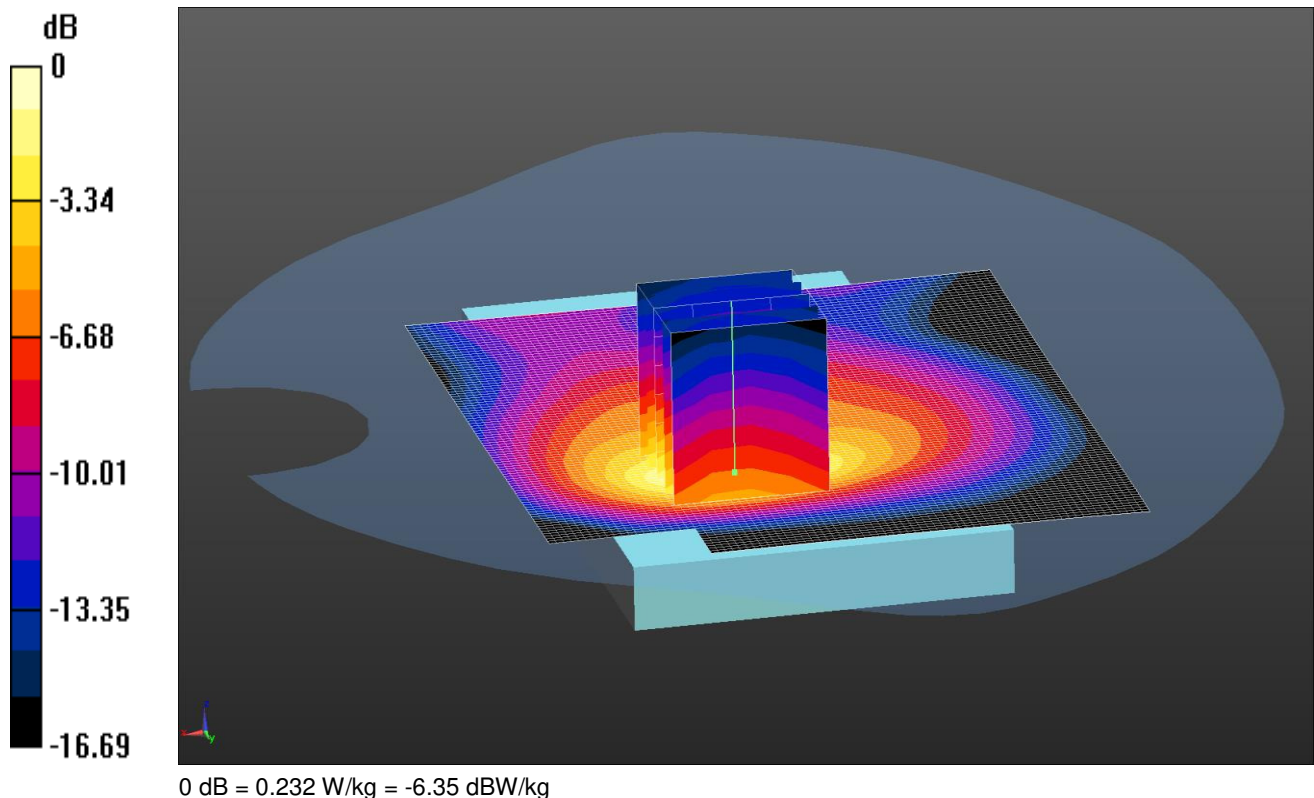
Peak SAR (extrapolated) = 0.778 W/kg

SAR(1 g) = 0.419 W/kg; SAR(10 g) = 0.212 W/kg

Maximum value of SAR (measured) = 0.483 W/kg

Date: 28/4/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; Type: Primary Antenna; Serial: 19



Communication System: UID 0, UMTS FDD (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: 1800 MHz MSL Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.486$ S/m; $\epsilon_r = 52.788$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(4.93, 4.93, 4.93); Calibrated: 25/8/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/2/2016
- Phantom: SAM B (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1836
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Back - Bodyworn - PB0/Area Scan 2 2 (81x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.230 W/kg

Configuration/Back - Bodyworn - PB0/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.70 V/m; Power Drift = 0.02 dB

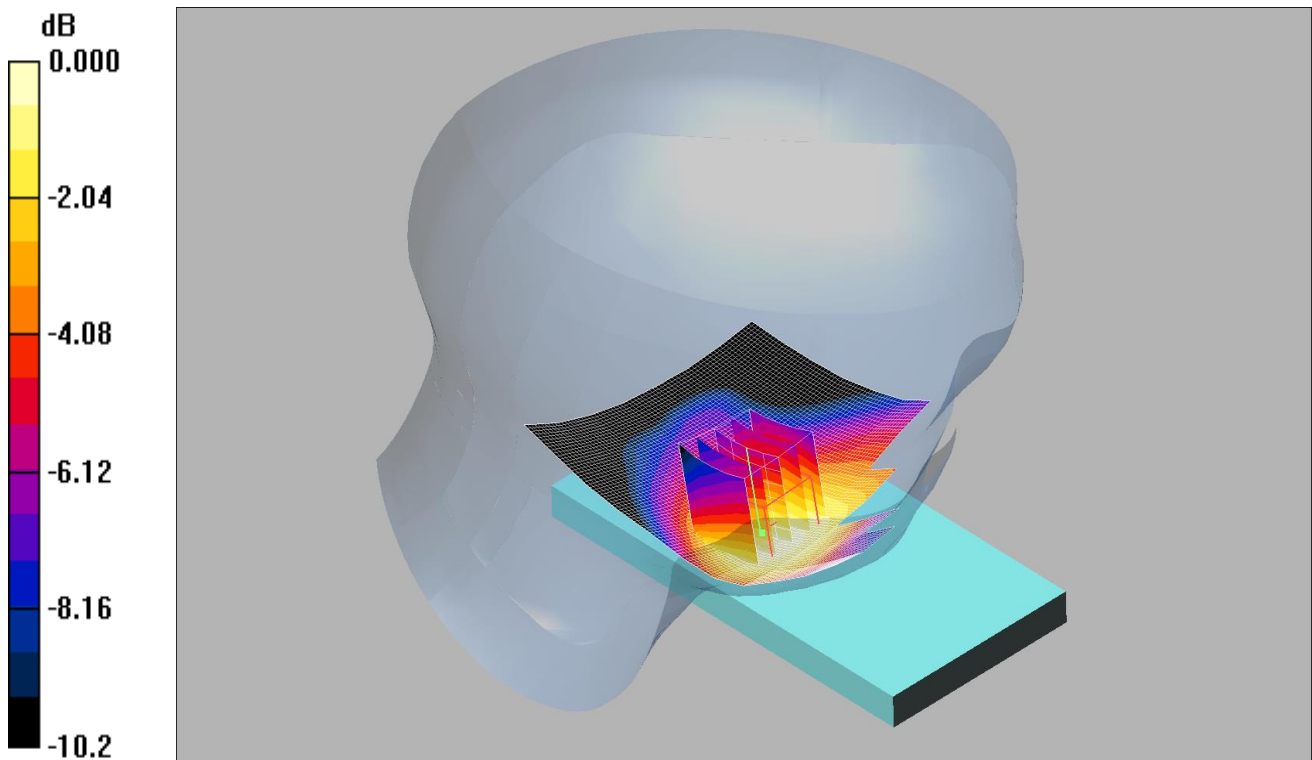
Peak SAR (extrapolated) = 0.353 W/kg

SAR(1 g) = 0.206 W/kg; SAR(10 g) = 0.115 W/kg

Maximum value of SAR (measured) = 0.232 W/kg

Date: 21/04/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.186mW/g

Communication System: UMTS-FDD 5; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: 900 MHz HSL Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.892$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.31, 6.31, 6.31);

- Sensor-Surface: 3mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn450; Calibrated: 28/09/2015

- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch Left - Head - PBx/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.185 mW/g

Touch Left - Head - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.78 V/m; Power Drift = -0.018 dB

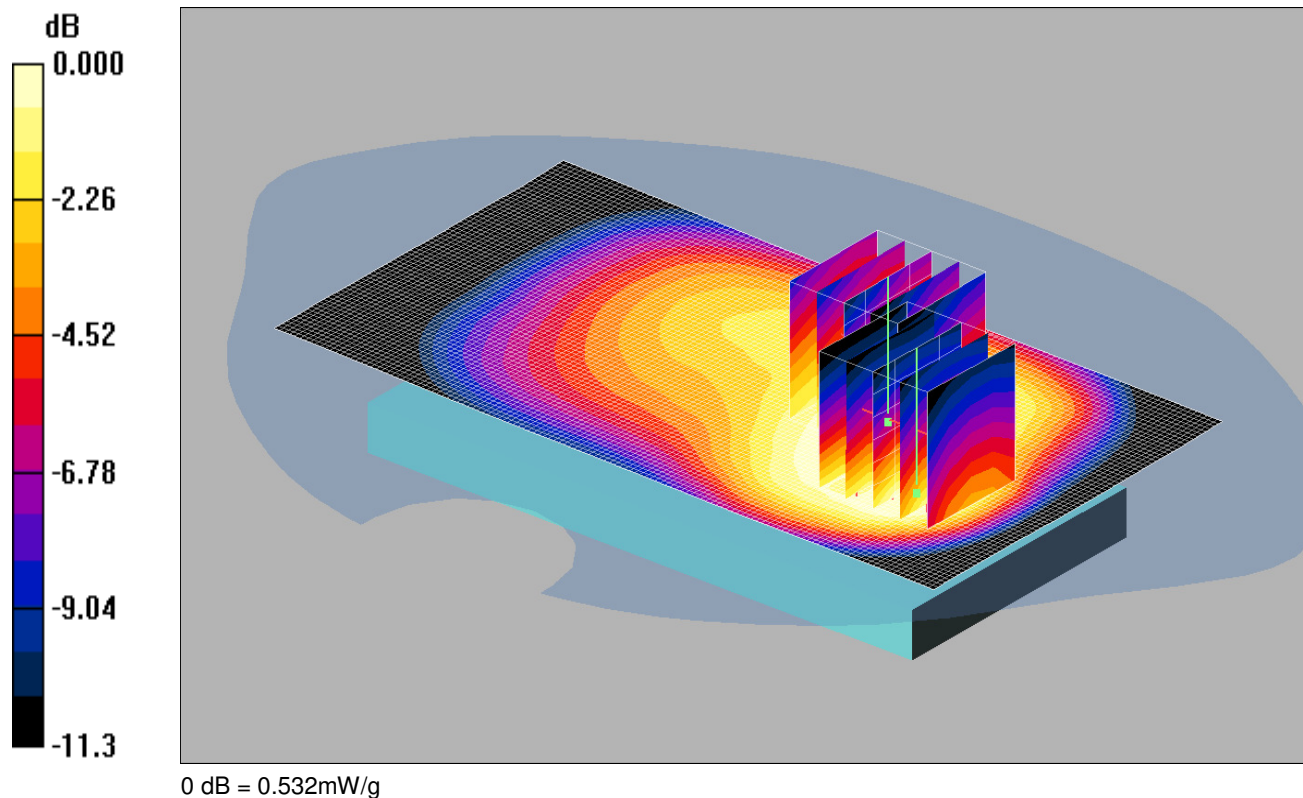
Peak SAR (extrapolated) = 0.225 W/kg

SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.126 mW/g

Maximum value of SAR (measured) = 0.186 mW/g

Date: 22/04/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: UMTS-FDD 5; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.958$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(5.98, 5.98, 5.98);

- Sensor-Surface: 3mm (Mechanical Surface Detection) Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/05/2015

- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020

- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Back - Hotspot - PBx/Area Scan (71x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.718 mW/g

Back - Hotspot - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.4 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.815 W/kg

SAR(1 g) = 0.492 mW/g; SAR(10 g) = 0.297 mW/g

Maximum value of SAR (measured) = 0.530 mW/g

Back - Hotspot - PBx/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.4 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.663 W/kg

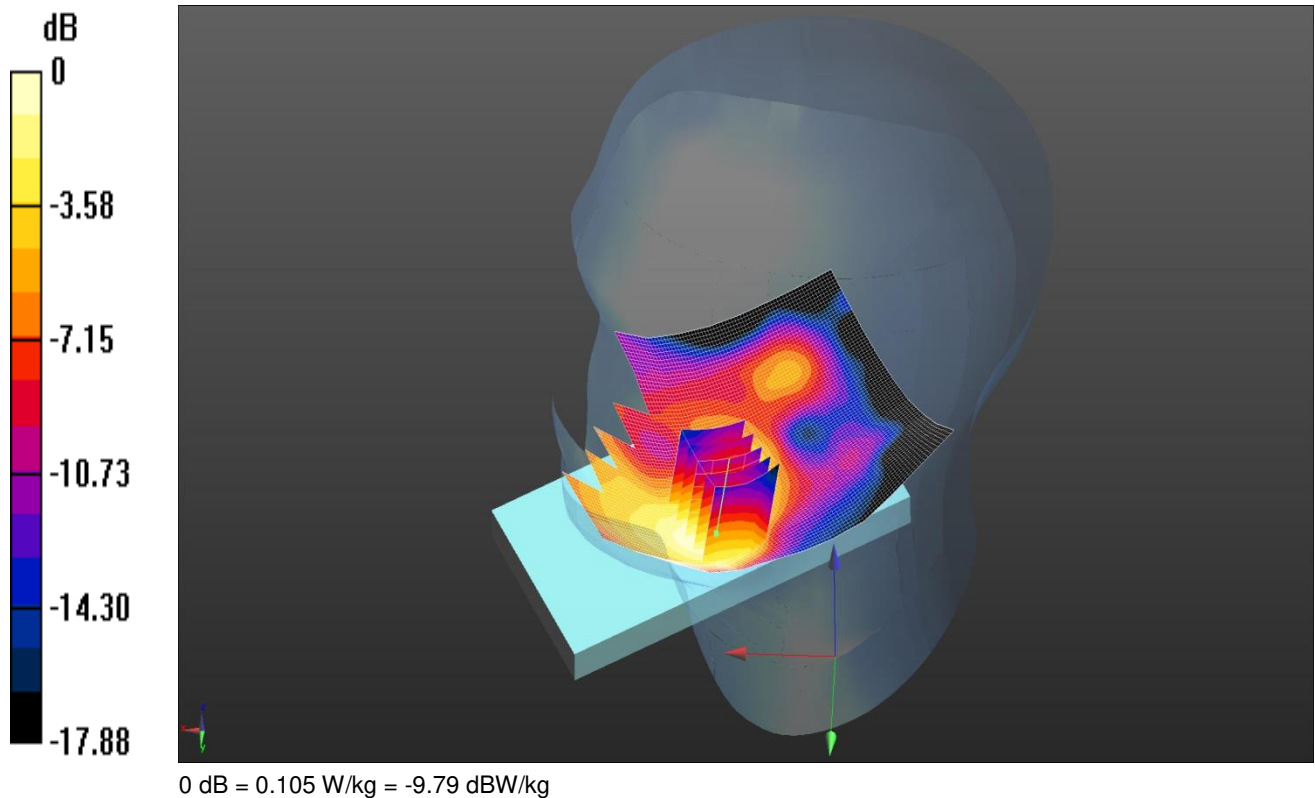
SAR(1 g) = 0.500 mW/g; SAR(10 g) = 0.360 mW/g

Maximum value of SAR (measured) = 0.532 mW/g

Note: DASY system is configured to measure any secondary maxima that are within 2dB of the measured SAR level.

Date: 18/4/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; Type: Primary Antenna; Serial: 19



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

Medium: 1900 HSL Medium parameters used: $f = 1900$ MHz; $\sigma = 1.43$ S/m; $\epsilon_r = 38.978$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(5.07, 5.07, 5.07); Calibrated: 25/8/2015;

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1435; Calibrated: 12/2/2016

- Phantom: SAM A (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1836

- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Touch Right 50%RB Low - Head - PB0/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.113 W/kg

Configuration/Touch Right 50%RB Low - Head - PB0/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.703 V/m; Power Drift = 0.08 dB

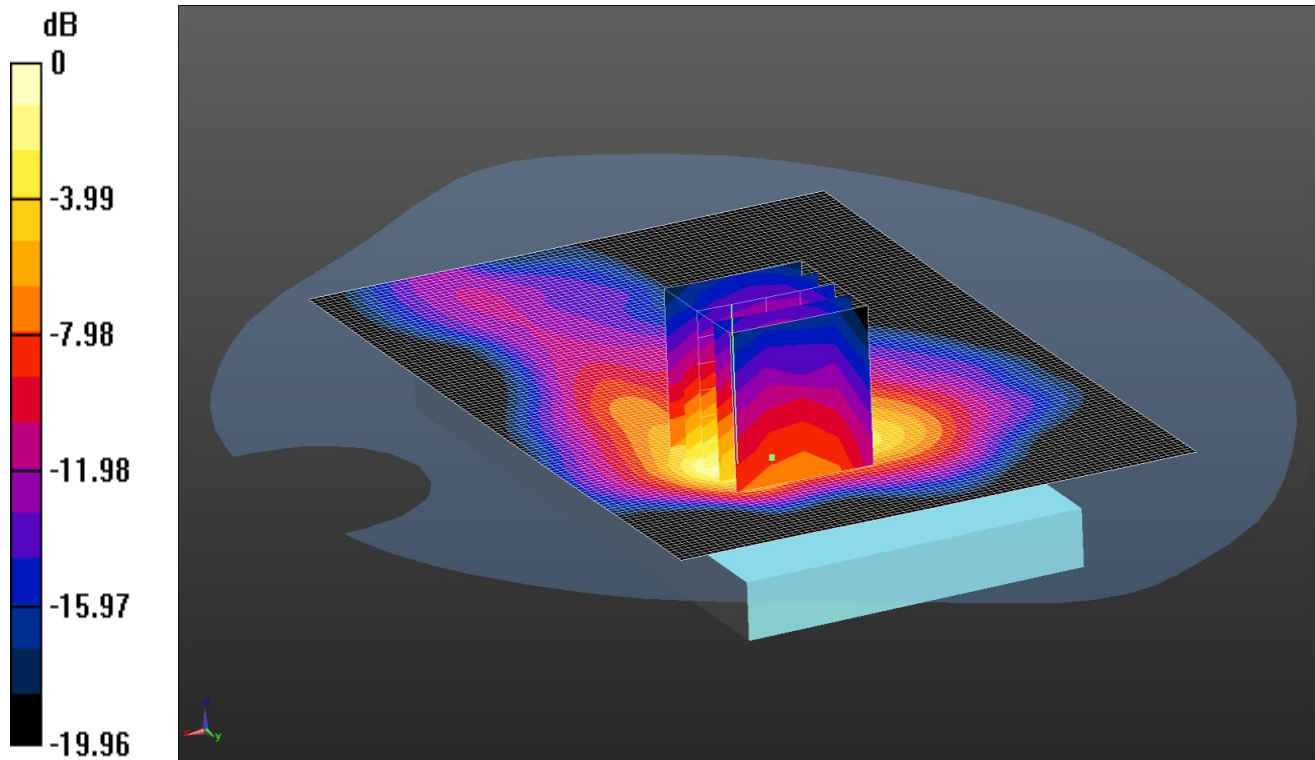
Peak SAR (extrapolated) = 0.152 W/kg

SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.062 W/kg

Maximum value of SAR (measured) = 0.105 W/kg

Date: 5/5/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; Type: Primary Antenna; Serial: 19



0 dB = 0.463 W/kg = -3.34 dBW/kg

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

Medium: 1900 MSL Medium parameters used: $f = 1900$ MHz; $\sigma = 1.592$ S/m; $\epsilon_r = 51.333$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(4.78, 4.78, 4.78); Calibrated: 25/8/2015;

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1435; Calibrated: 12/2/2016

- Phantom: SAM A (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1836

- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Back 1RB Low - Hotspot - PB1/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.544 W/kg

Configuration/Back 1RB Low - Hotspot - PB1/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 12.65 V/m; Power Drift = -1.28 dB

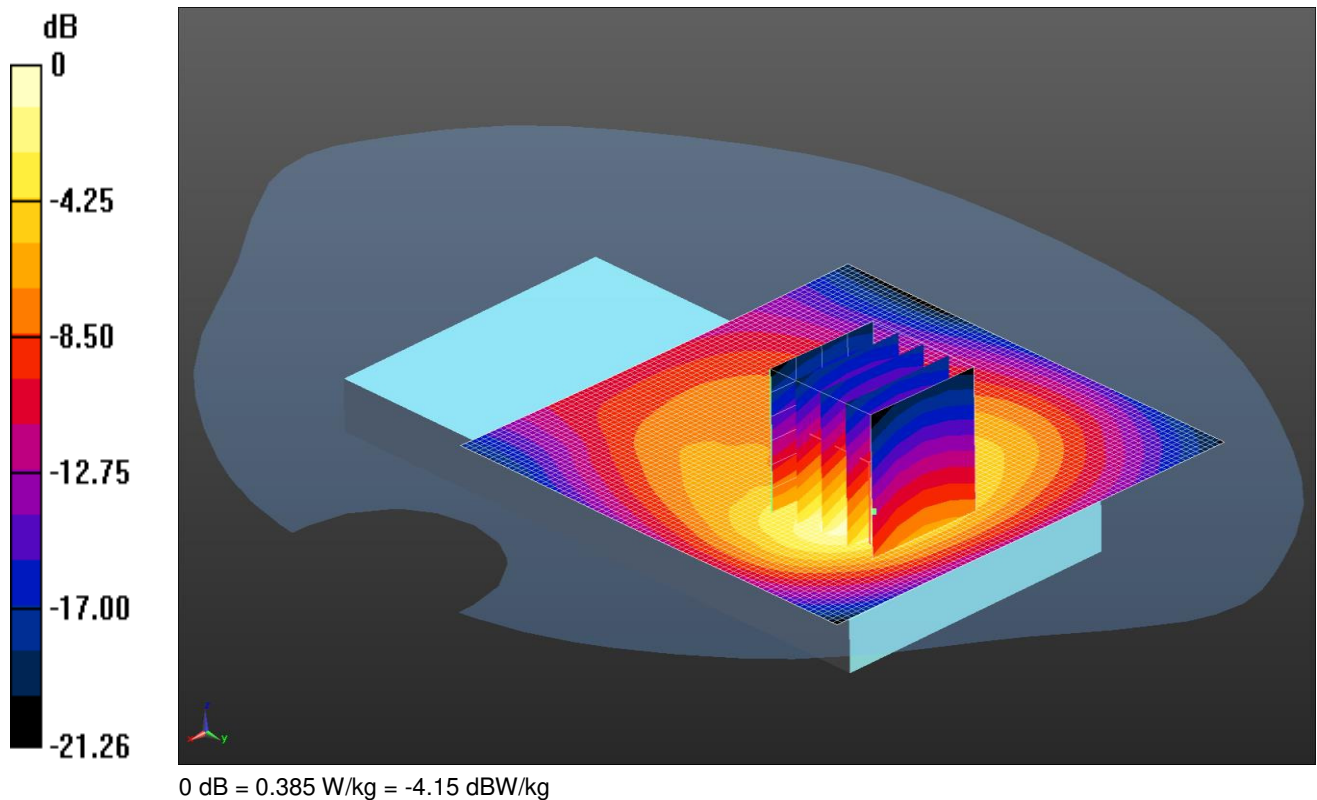
Peak SAR (extrapolated) = 0.734 W/kg

SAR(1 g) = 0.428 W/kg; SAR(10 g) = 0.220 W/kg

Maximum value of SAR (measured) = 0.463 W/kg

Date: 7/5/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; Type: Primary Antenna; Serial: 19



Communication System: UID 0, LTE FDD Bands - 20MHz Channel BW (0); Frequency: 1860 MHz; Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1860$ MHz; $\sigma = 1.461$ S/m; $\epsilon_r = 51.821$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(4.78, 4.78, 4.78); Calibrated: 25/8/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/2/2016
- Phantom: SAM A (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1836
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Back 1RB Low - Bodyworn - PB0/Area Scan (81x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 0.385 W/kg

Configuration/Back 1RB Low - Bodyworn - PB0/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 16.73 V/m; Power Drift = 0.01 dB

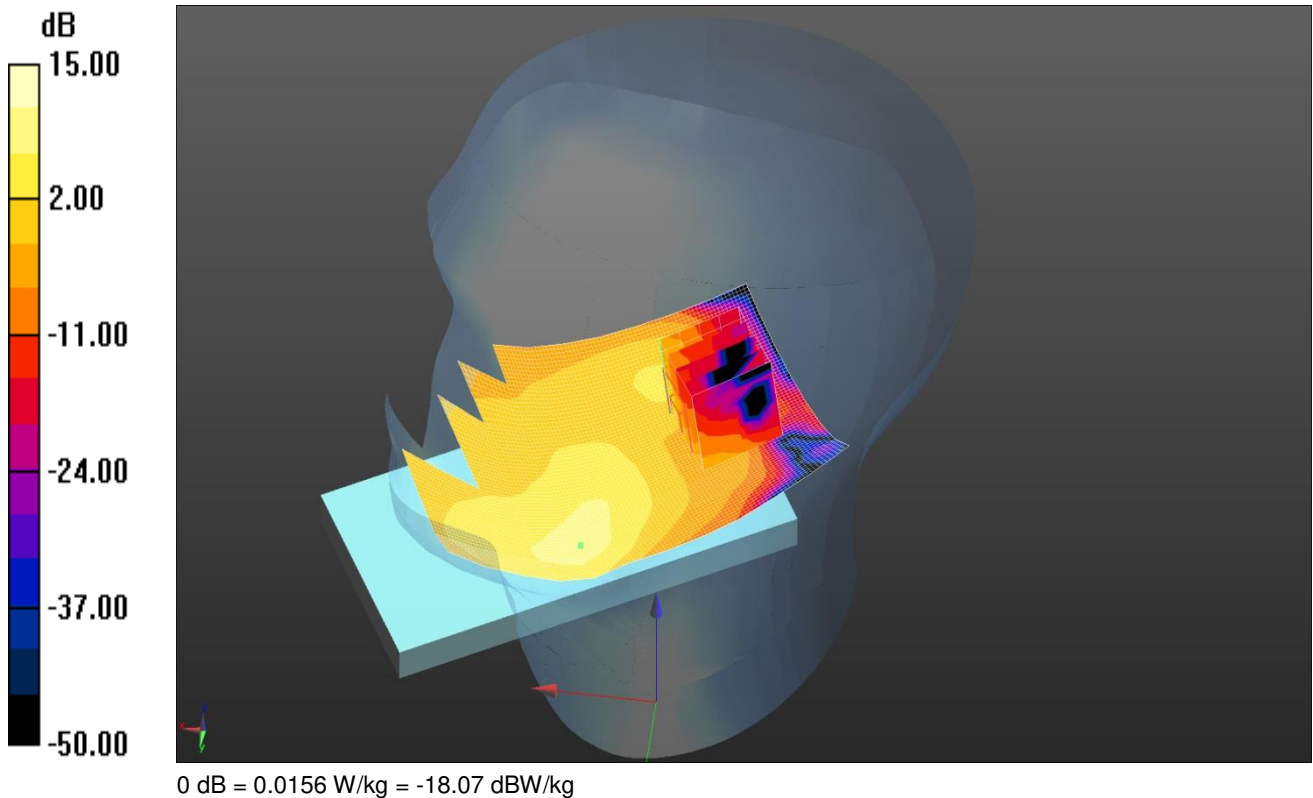
Peak SAR (extrapolated) = 0.590 W/kg

SAR(1 g) = 0.351 W/kg; SAR(10 g) = 0.195 W/kg

Maximum value of SAR (measured) = 0.393 W/kg

Date: 25/4/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: UID 0, LTE FDD Bands - 20MHz Channel BW (0); Frequency: 1745 MHz; Duty Cycle: 1:1
Medium: 1800 MHz HSL Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.288$ S/m; $\epsilon_r = 40.872$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(5.27, 5.27, 5.27); Calibrated: 25/8/2015;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/2/2016
- Phantom: SAM A (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1836
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Touch Right 1RB Low - Head - PB0/Area Scan 2 (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0895 W/kg

Configuration/Touch Right 1RB Low - Head - PB0/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.823 V/m; Power Drift = 0.63 dB

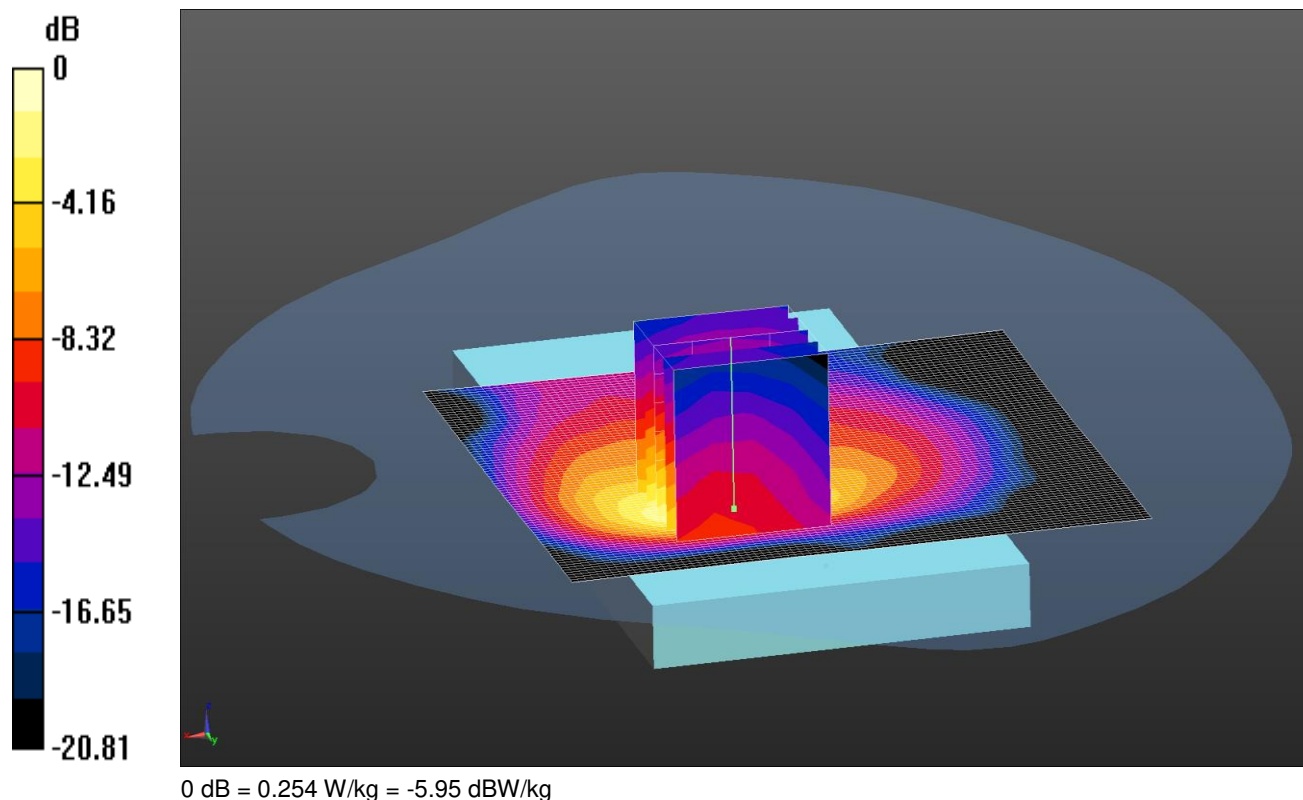
Peak SAR (extrapolated) = 0.0200 W/kg

SAR(1 g) = 0.00948 W/kg; SAR(10 g) = 0.00384 W/kg

Maximum value of SAR (measured) = 0.0156 W/kg

Date: 4/5/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; Type: Primary Antenna; Serial: 19



Communication System: UID 0, LTE FDD Bands - 20MHz Channel BW (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.513$ S/m; $\epsilon_r = 53.102$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(4.93, 4.93, 4.93); Calibrated: 25/8/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/2/2016
- Phantom: SAM B (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1836
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Back 50%RB Low - Hotspot - PB1 2 2/Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.234 W/kg

Configuration/Back 50%RB Low - Hotspot - PB1 2 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.41 V/m; Power Drift = 0.04 dB

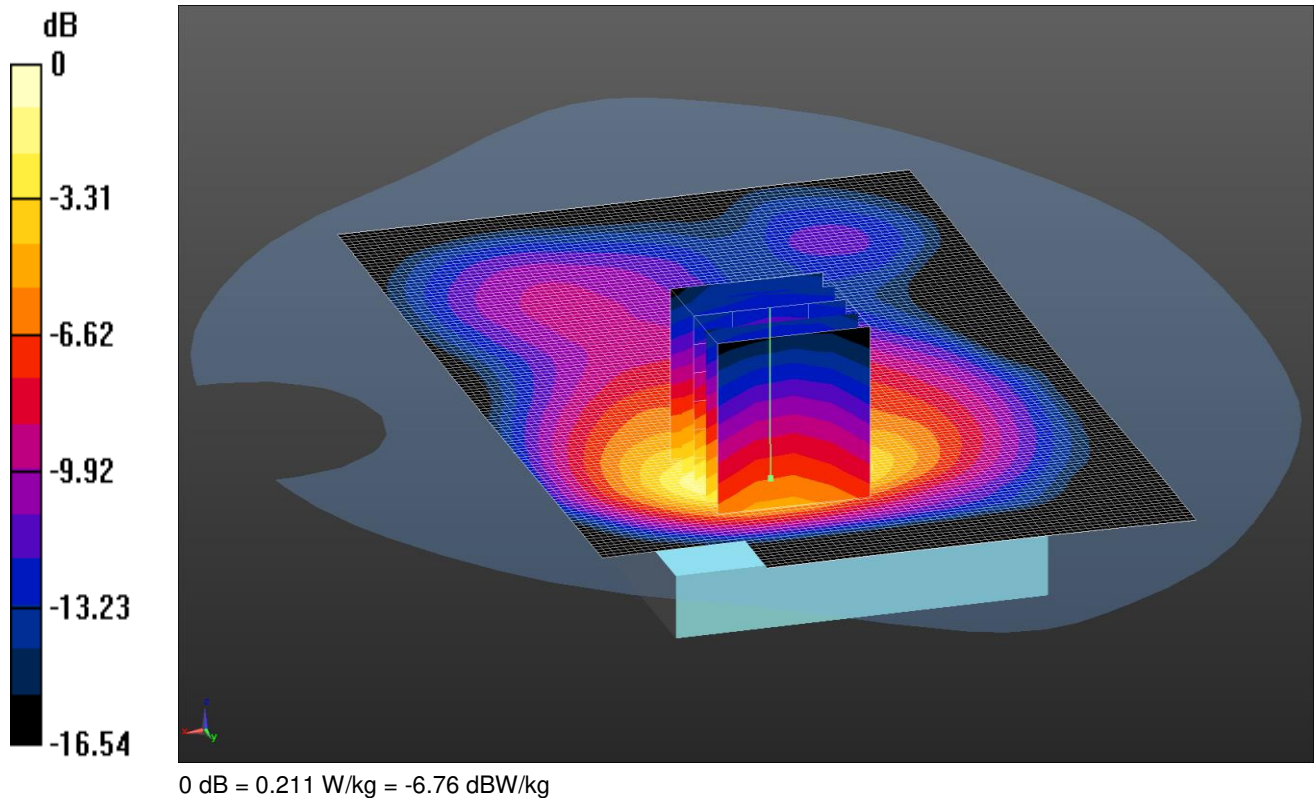
Peak SAR (extrapolated) = 0.416 W/kg

SAR(1 g) = 0.221 W/kg; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.254 W/kg

Date: 28/4/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; Type: Primary Antenna; Serial: 19



Communication System: UID 0, LTE FDD Bands - 20MHz Channel BW (0); Frequency: 1745 MHz; Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.48$ S/m; $\epsilon_r = 52.804$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(4.93, 4.93, 4.93); Calibrated: 25/8/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/2/2016
- Phantom: SAM B (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1836
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Back - Bodyworn - PB0/Area Scan 2 2 (81x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.213 W/kg

Configuration/Back - Bodyworn - PB0/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.11 V/m; Power Drift = -0.01 dB

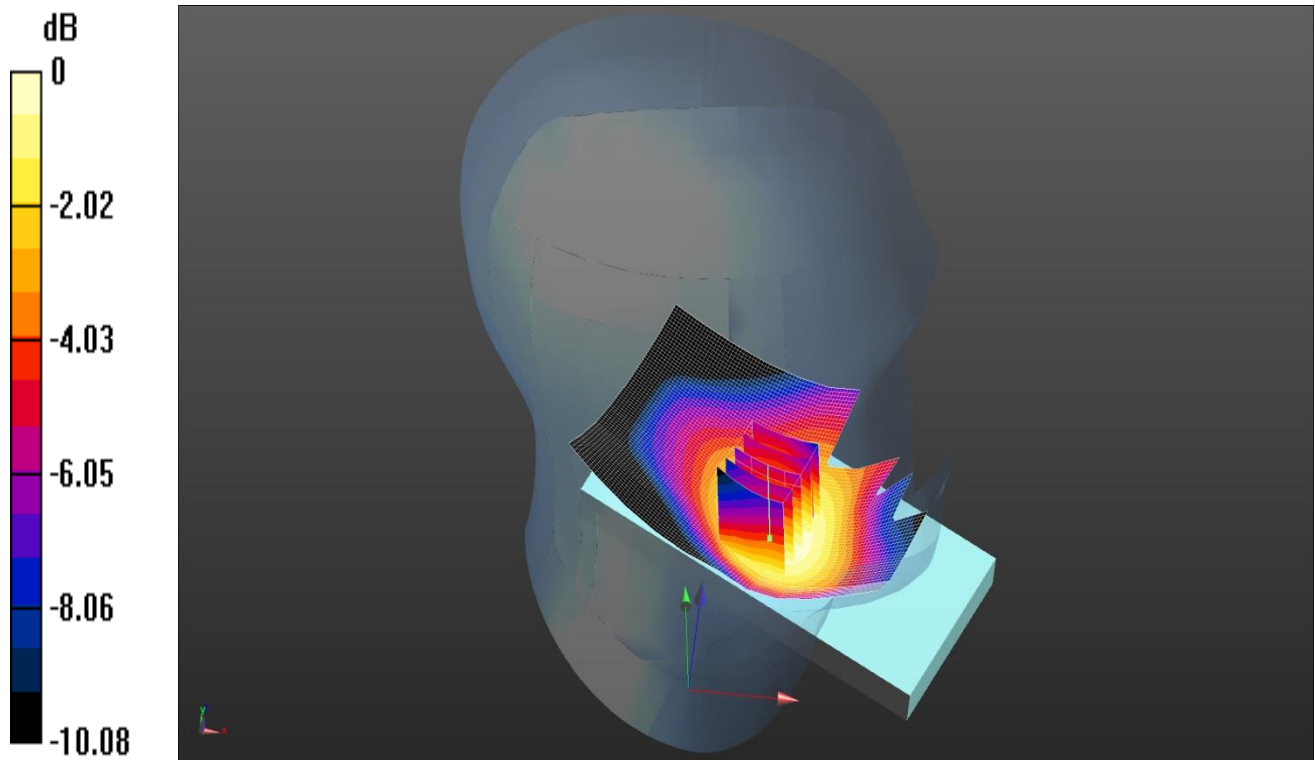
Peak SAR (extrapolated) = 0.320 W/kg

SAR(1 g) = 0.187 W/kg; SAR(10 g) = 0.104 W/kg

Maximum value of SAR (measured) = 0.211 W/kg

Date: 21/4/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; Type: Primary Antenna; Serial: 19



0 dB = 0.129 W/kg = -8.89 dBW/kg

Communication System: UID 0, LTE Bands - 10MHz Channel BW (0); Frequency: 844 MHz; Duty Cycle: 1:1
Medium: 900 MHz HSL Medium parameters used (interpolated): $f = 844$ MHz; $\sigma = 0.914$ S/m; $\epsilon_r = 40.494$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(6.42, 6.42, 6.42); Calibrated: 25/8/2015;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/2/2016
- Phantom: SAM B (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1836
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Touch Left 1RB Middle - Head - PBx/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.131 W/kg

Configuration/Touch Left 1RB Middle - Head - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.421 V/m; Power Drift = 0.06 dB

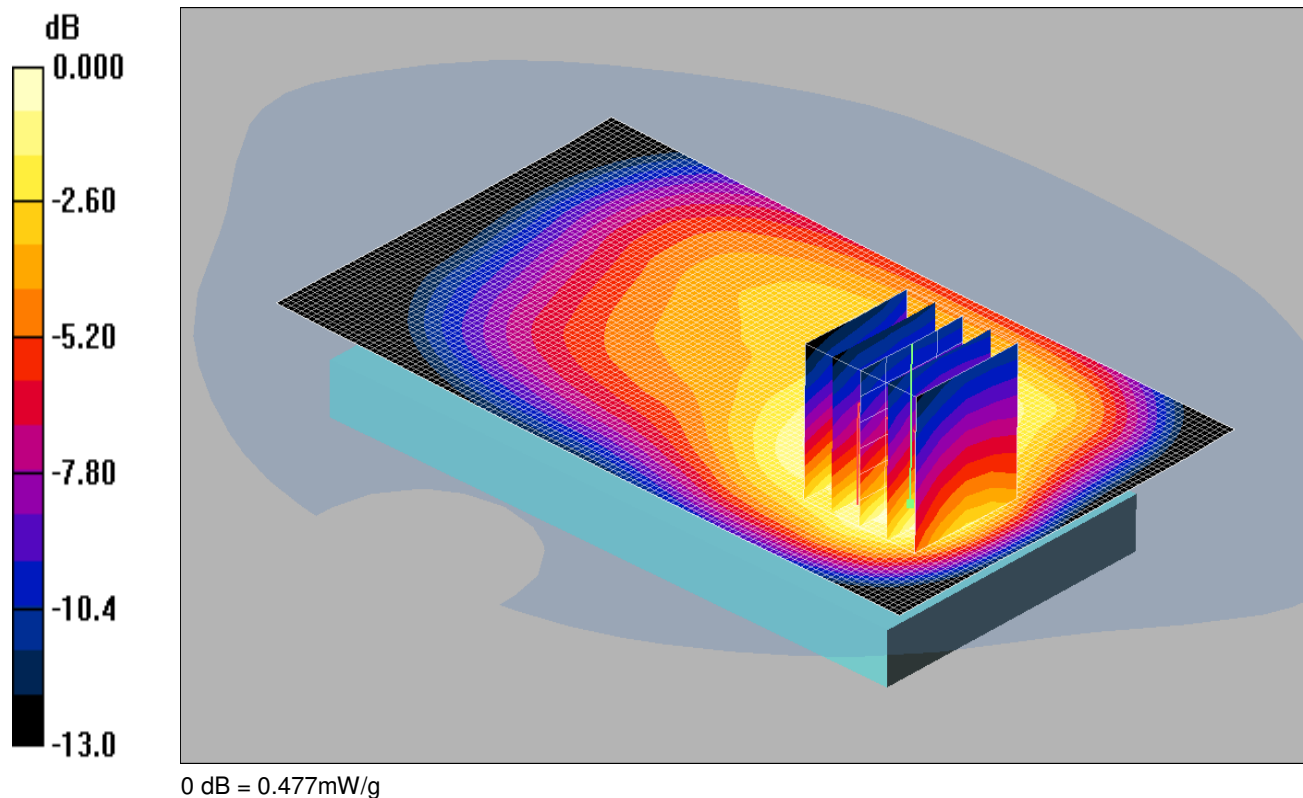
Peak SAR (extrapolated) = 0.148 W/kg

SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.093 W/kg

Maximum value of SAR (measured) = 0.129 W/kg

Date: 09/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I 8



Communication System: LTE Band 5 / 10MHz; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 844$ MHz; $\sigma = 0.991$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(6.05, 6.05, 6.05);

- Sensor-Surface: 3mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn450; Calibrated: 28/09/2015

- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020

- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Back 1RB Middle - Hotspot - PBx/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.491 mW/g

Back 1RB Middle - Hotspot - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.8 V/m; Power Drift = -0.011 dB

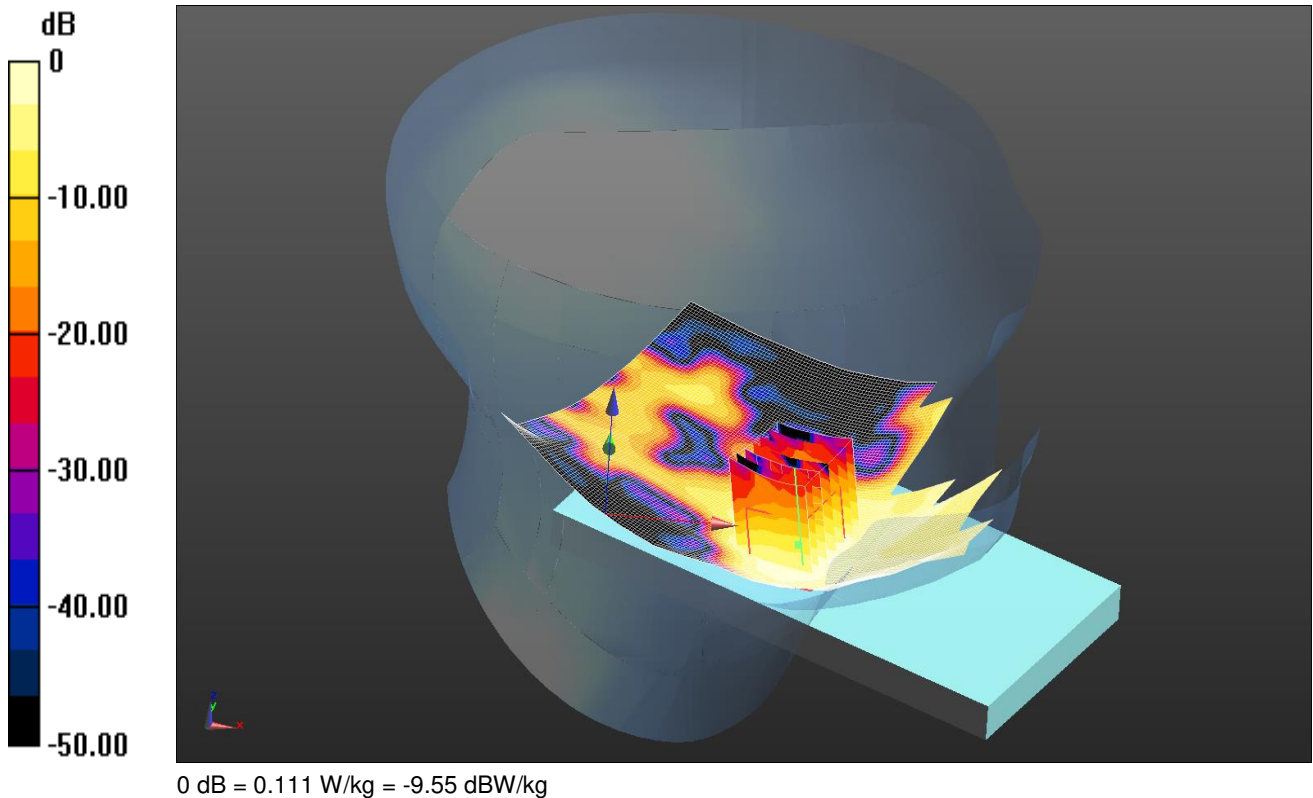
Peak SAR (extrapolated) = 0.912 W/kg

SAR(1 g) = 0.409 mW/g; SAR(10 g) = 0.234 mW/g

Maximum value of SAR (measured) = 0.477 mW/g

Date: 26/04/2016

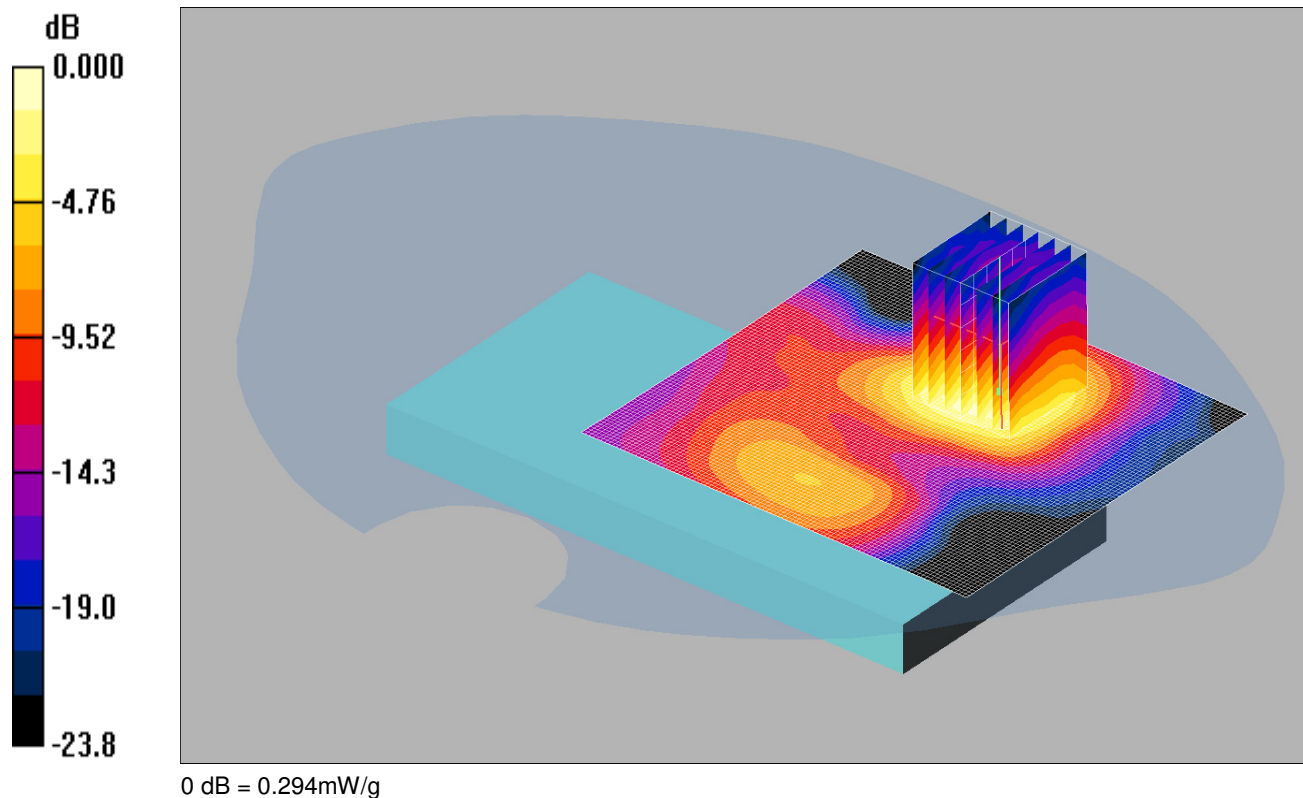
DUT: Model Name: Solarin; Model Number: SR0020-W; Type: Primary Antenna; Serial: 19



Communication System: UID 0, LTE FDD Bands - 20MHz Channel BW (0); Frequency: 2535 MHz; Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.914$ S/m; $\epsilon_r = 38.417$; $\rho = 1000$ kg/m³
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3335; ConvF(4.33, 4.33, 4.33); Calibrated: 23/07/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn432; Calibrated: 25/08/2015
- Phantom: SAMB (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)
Configuration/Touch Left 1RB Low - Head - PB0/Area Scan (101x151x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.0825 W/kg
Configuration/Touch Left 1RB Low - Head - PB0/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 3.913 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.157 W/kg
SAR(1 g) = 0.074 W/kg; SAR(10 g) = 0.039 W/kg
Maximum value of SAR (measured) = 0.111 W/kg

Date: 10/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: LTE - Band 7/ 20MHz Channel; Frequency: 2535 MHz;Duty Cycle: 1:1
Medium: 2600 MHz MSL Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3335; ConvF(4.16, 4.16, 4.16);
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn432; Calibrated: 25/08/2015
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back - Hotspot - PB1/Area Scan (91x101x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.330 mW/g

Back - Hotspot - PB1/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.66 V/m; Power Drift = -0.097 dB

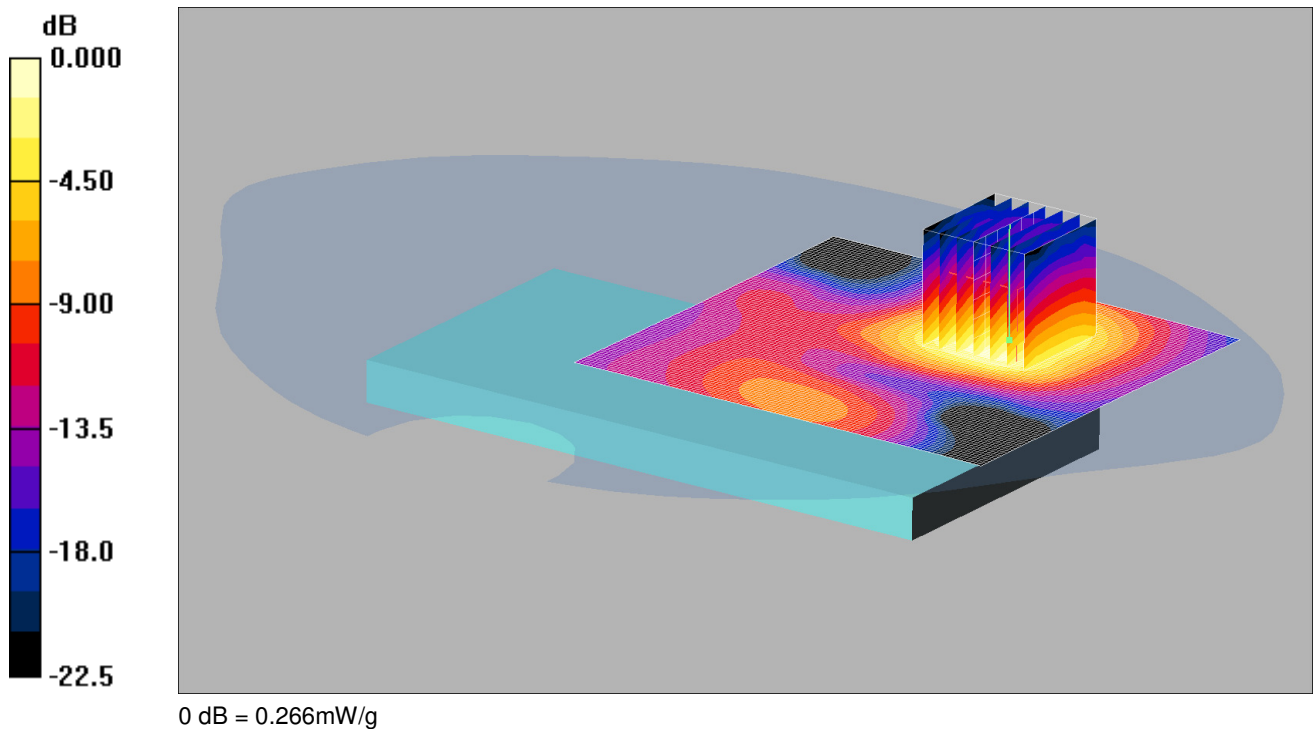
Peak SAR (extrapolated) = 0.489 W/kg

SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.120 mW/g

Maximum value of SAR (measured) = 0.294 mW/g

Date: 11/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I 8



Communication System: LTE - Band 7/ 20MHz Channel; Frequency: 2535 MHz; Duty Cycle: 1:1
Medium: 2600 MHz MSL Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3335; ConvF(4.16, 4.16, 4.16);

- Sensor-Surface: 3mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn432; Calibrated: 25/08/2015

- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back 1RB Low - Bodyworn - PB0 2/Area Scan (91x101x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.263 mW/g

Back 1RB Low - Bodyworn - PB0 2/Zoom Scan (7x7x7) 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.93 V/m; Power Drift = -0.026 dB

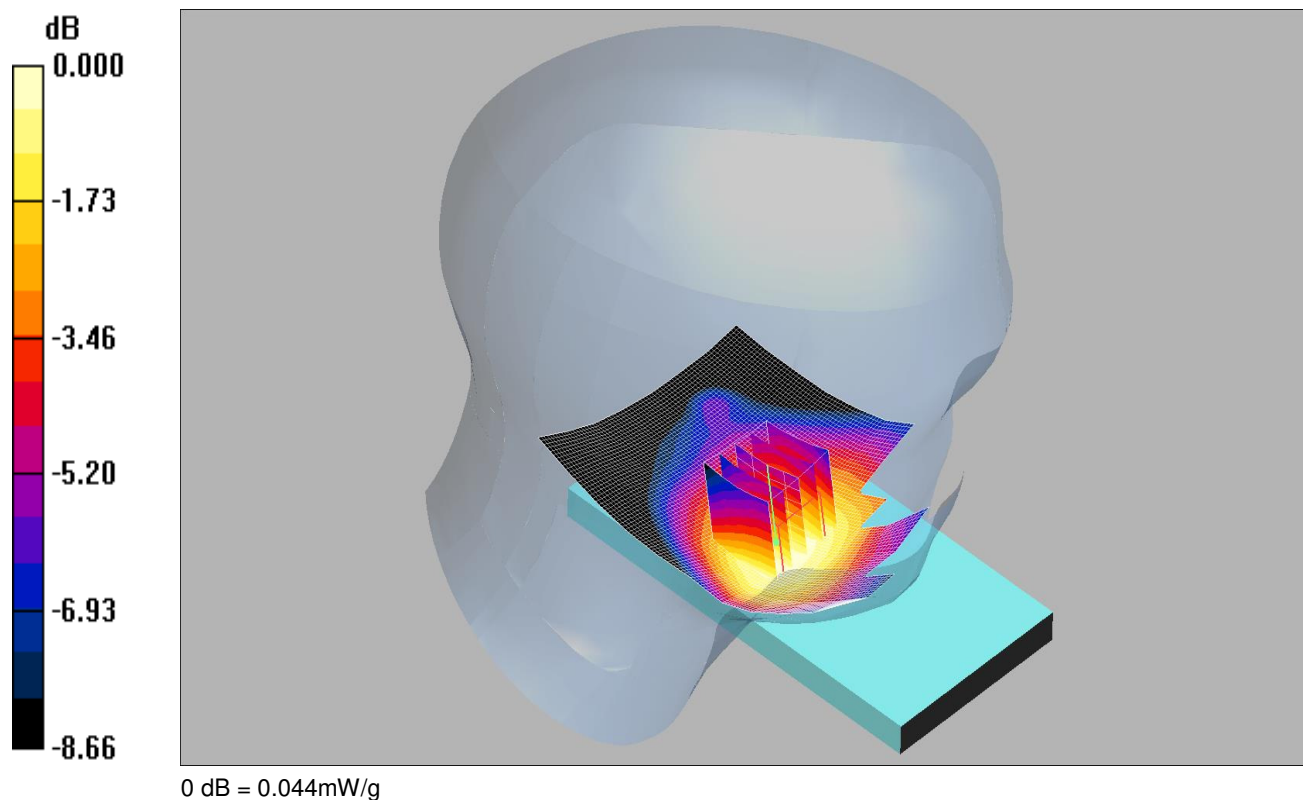
Peak SAR (extrapolated) = 0.426 W/kg

SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.110 mW/g

Maximum value of SAR (measured) = 0.266 mW/g

Date: 16/04/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: LTE - Band 12 / 10MHz Channel; Frequency: 704 MHz; Duty Cycle: 1:1
Medium: 750 MHz HSL Medium parameters used (interpolated): $f = 704$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.6, 6.6, 6.6);
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn450; Calibrated: 28/09/2015
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch Left - Head - PBx/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.045 mW/g

Touch Left - Head - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.47 V/m; Power Drift = 0.065 dB

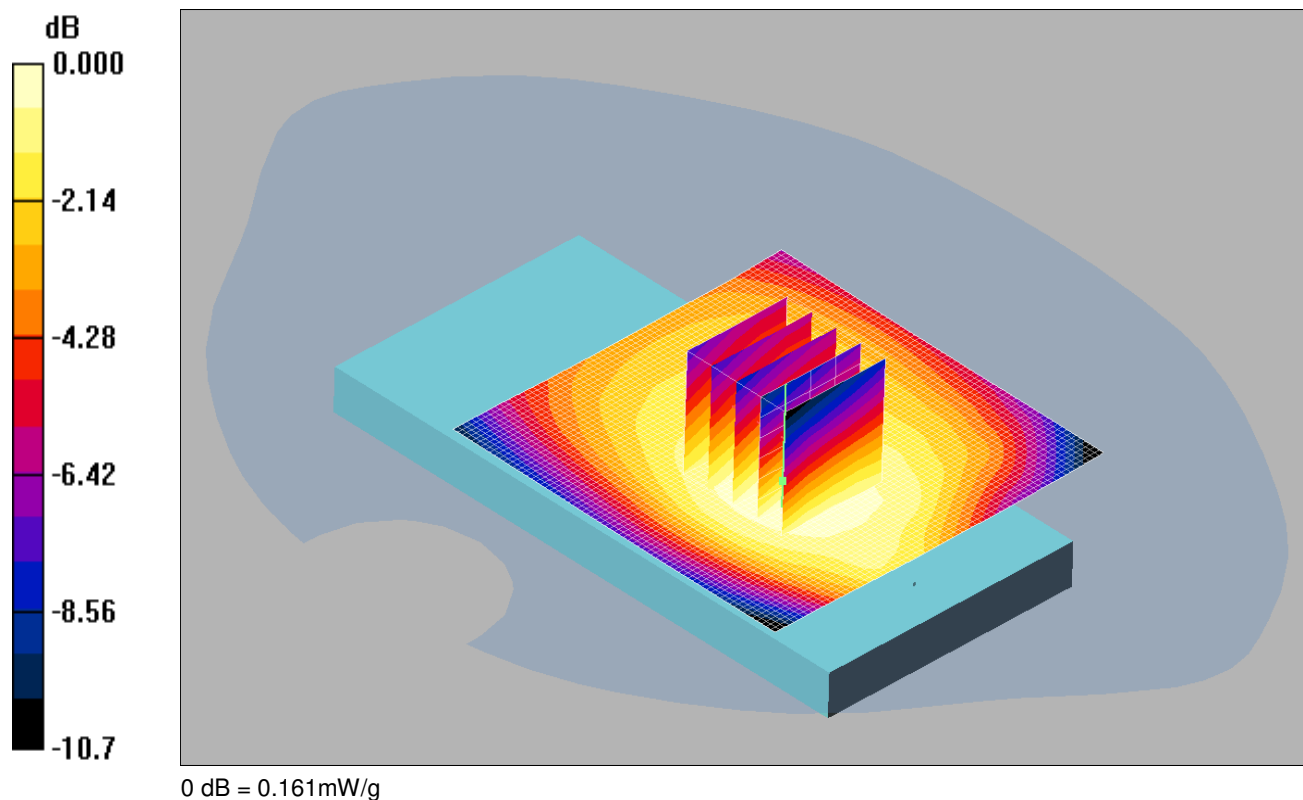
Peak SAR (extrapolated) = 0.053 W/kg

SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.031 mW/g

Maximum value of SAR (measured) = 0.044 mW/g

Date: 11/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: LTE - Band 12 / 10MHz Channel; Frequency: 711 MHz; Duty Cycle: 1:1
Medium: 900/750 MHz MSL Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.912$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(6.11, 6.11, 6.11);

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn450; Calibrated: 28/09/2015

- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020

- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Back 1RB low - Hotspot - PBx 2/Area Scan 2 (71x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.159 mW/g

Back 1RB low - Hotspot - PBx 2/Zoom Scan (5x5x7) 2 3 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.9 V/m; Power Drift = 0.076 dB

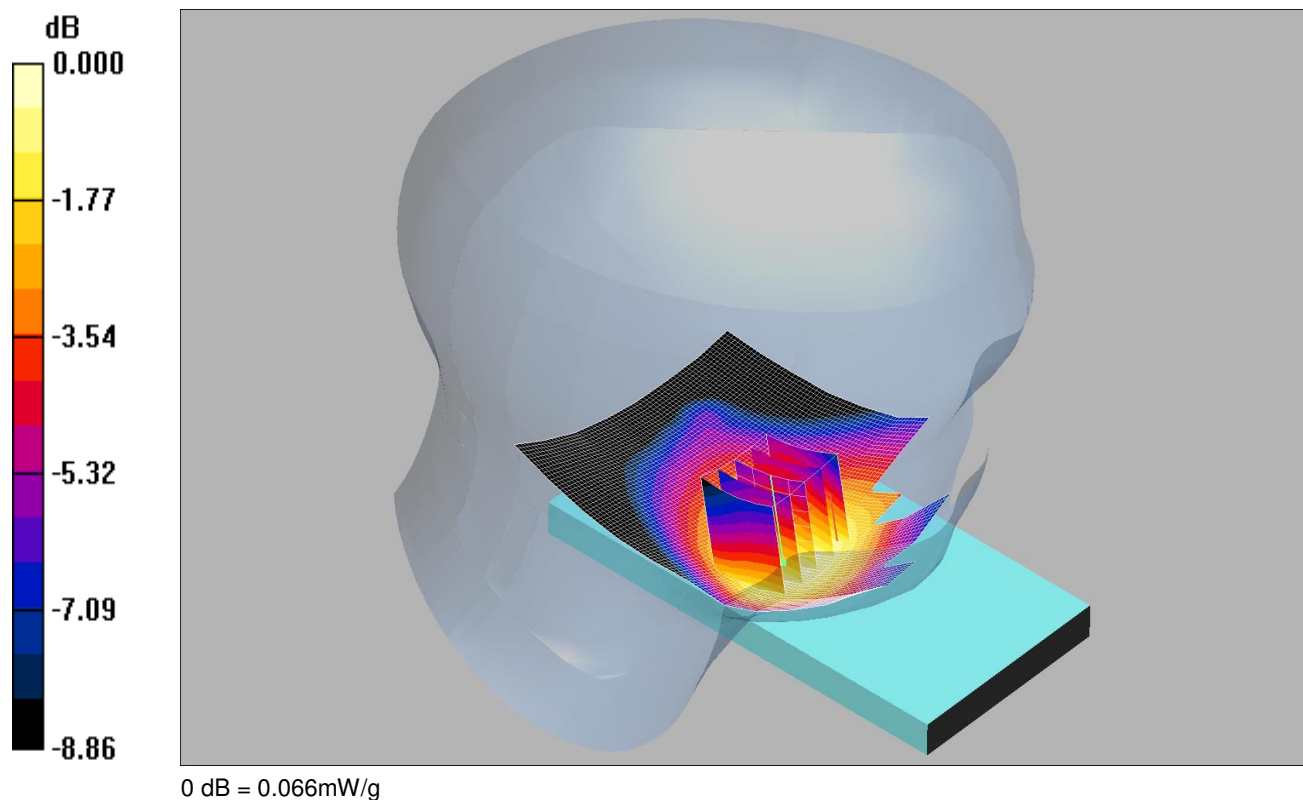
Peak SAR (extrapolated) = 0.208 W/kg

SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.115 mW/g

Maximum value of SAR (measured) = 0.161 mW/g

Date: 18/04/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: LTE - Band 13 / 10MHz Channel; Frequency: 782 MHz; Duty Cycle: 1:1
Medium: 750 MHz HSL Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.6, 6.6, 6.6);
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn450; Calibrated: 28/09/2015
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch Left - Head - PBx/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.068 mW/g

Touch Left - Head - PBx/Zoom Scan (5x5x7) 3 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.13 V/m; Power Drift = -0.006 dB

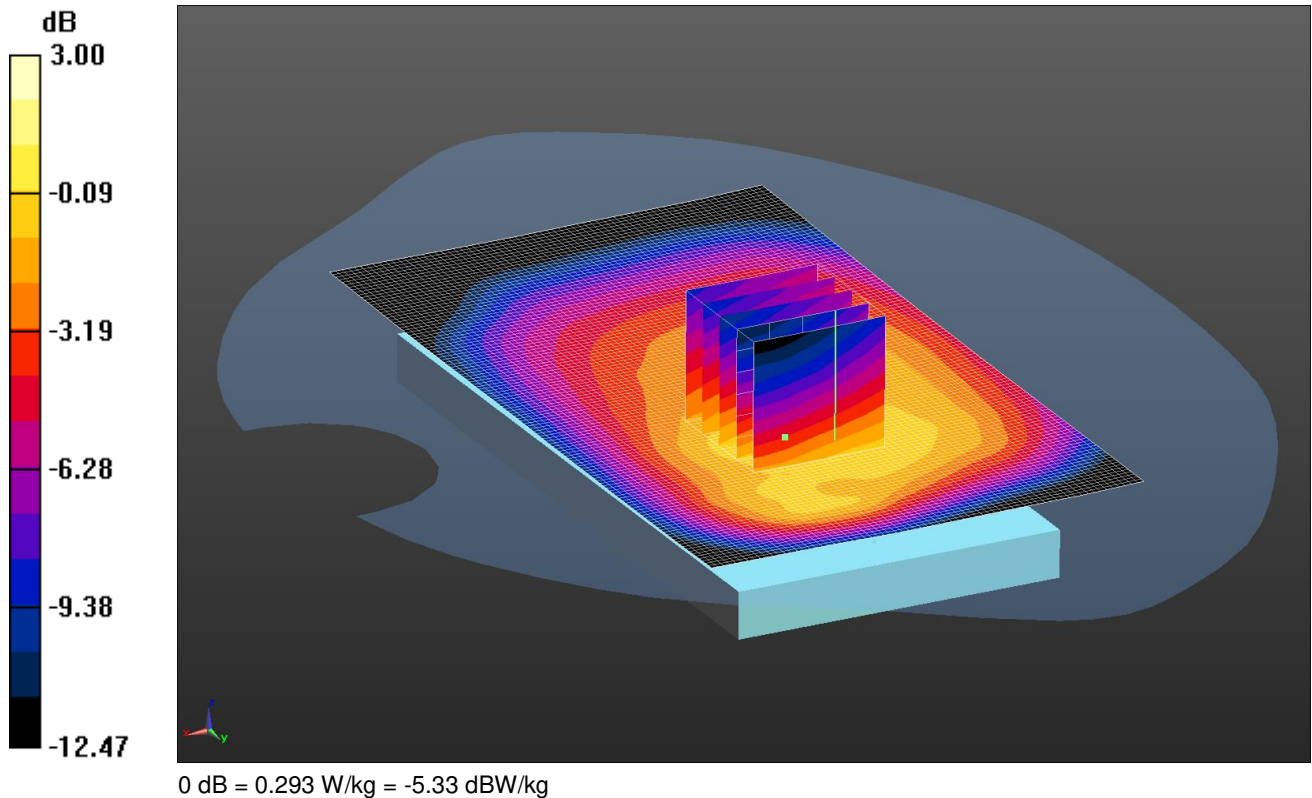
Peak SAR (extrapolated) = 0.079 W/kg

SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.047 mW/g

Maximum value of SAR (measured) = 0.066 mW/g

Date: 13/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I 8



Communication System: UID 0, LTE - Band 13 / 10MHz Channel; Frequency: 782 MHz; Duty Cycle: 1:1
Medium: 900/750 MHz MSL Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.949$ S/m; $\epsilon_r = 54.512$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(6.11, 6.11, 6.11); Calibrated: 22/04/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn450; Calibrated: 28/09/2015
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- ; SEMCAD X Version 14.6.10 (7372)

Configuration/Back 1RB High - Hotspot - PBx 3/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.292 W/kg

Configuration/Back 1RB High - Hotspot - PBx 3/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.06 V/m; Power Drift = -0.00 dB

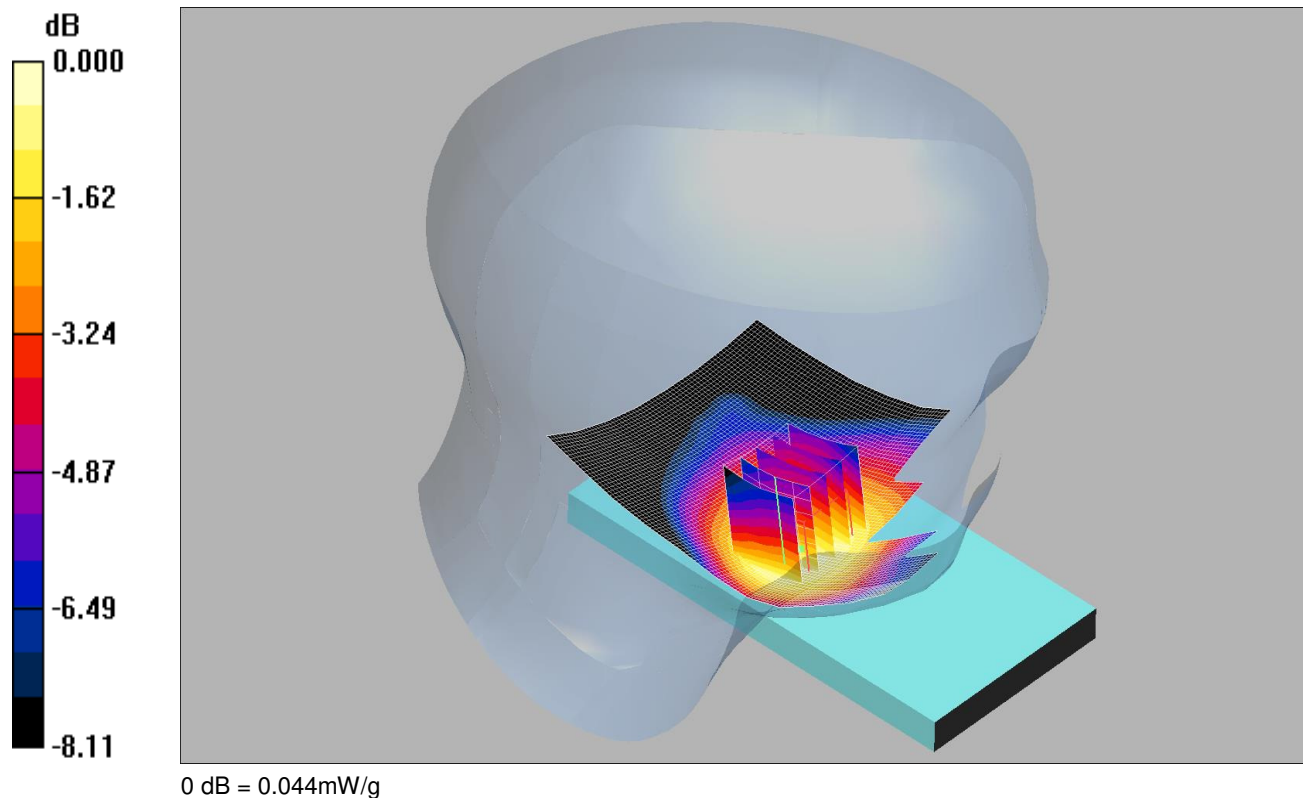
Peak SAR (extrapolated) = 0.370 W/kg

SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.199 W/kg

Maximum value of SAR (measured) = 0.293 W/kg

Date: 19/04/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: LTE - Band 17 / 10MHz Channel; Frequency: 710 MHz; Duty Cycle: 1:1
Medium: 750 MHz HSL Medium parameters used (interpolated): $f = 710$ MHz; $\sigma = 0.838$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.6, 6.6, 6.6);
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn450; Calibrated: 28/09/2015
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch Left - Head - PBx/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.044 mW/g

Touch Left - Head - PBx/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.55 V/m; Power Drift = -0.111 dB

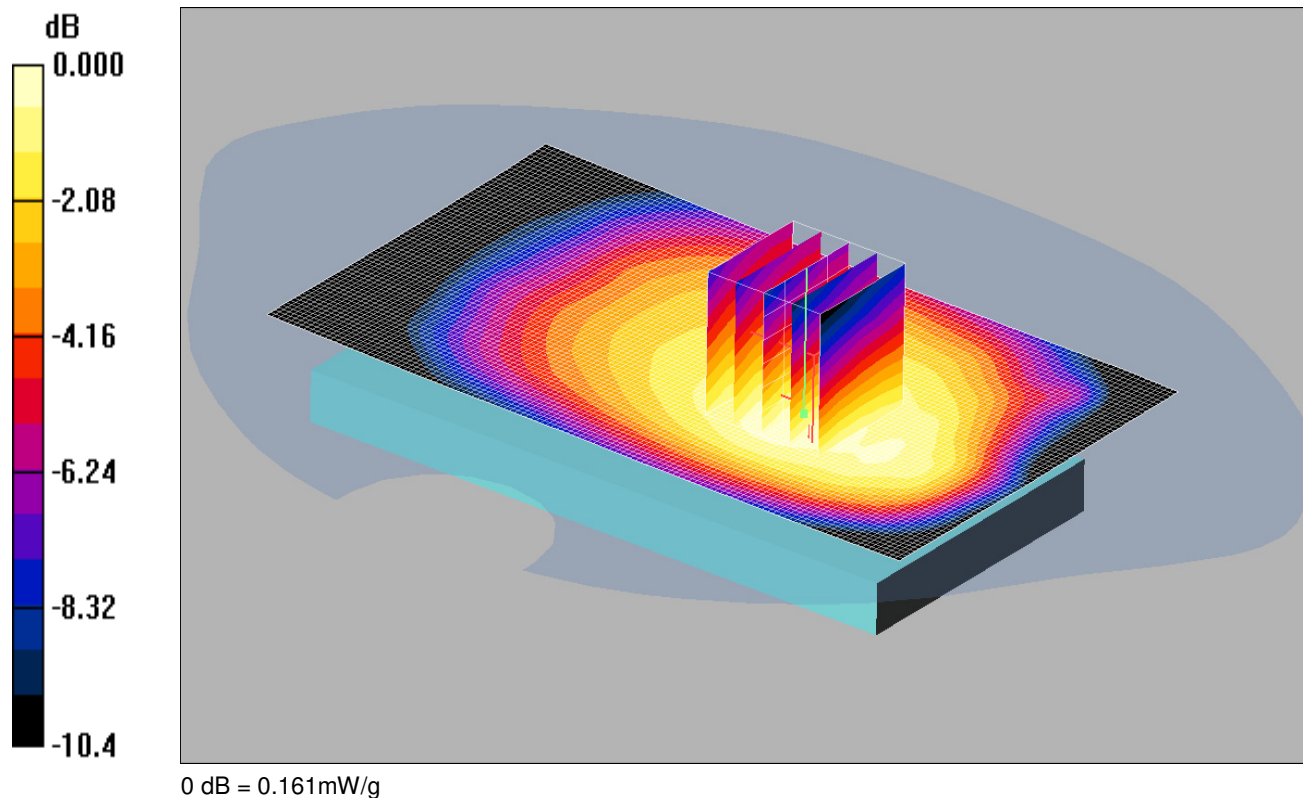
Peak SAR (extrapolated) = 0.054 W/kg

SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.031 mW/g

Maximum value of SAR (measured) = 0.044 mW/g

Date: 17/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I 8



Communication System: LTE - Band 17 / 10MHz Channel; Frequency: 709 MHz; Duty Cycle: 1:1
Medium: 900/750 MHz MSL Medium parameters used (interpolated): $f = 709$ MHz; $\sigma = 0.904$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(6.11, 6.11, 6.11);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn450; Calibrated: 28/09/2015
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Back 1RB High - Hotspot - PBx 3/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.160 mW/g

Back 1RB High - Hotspot - PBx 3/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.3 V/m; Power Drift = -0.047 dB

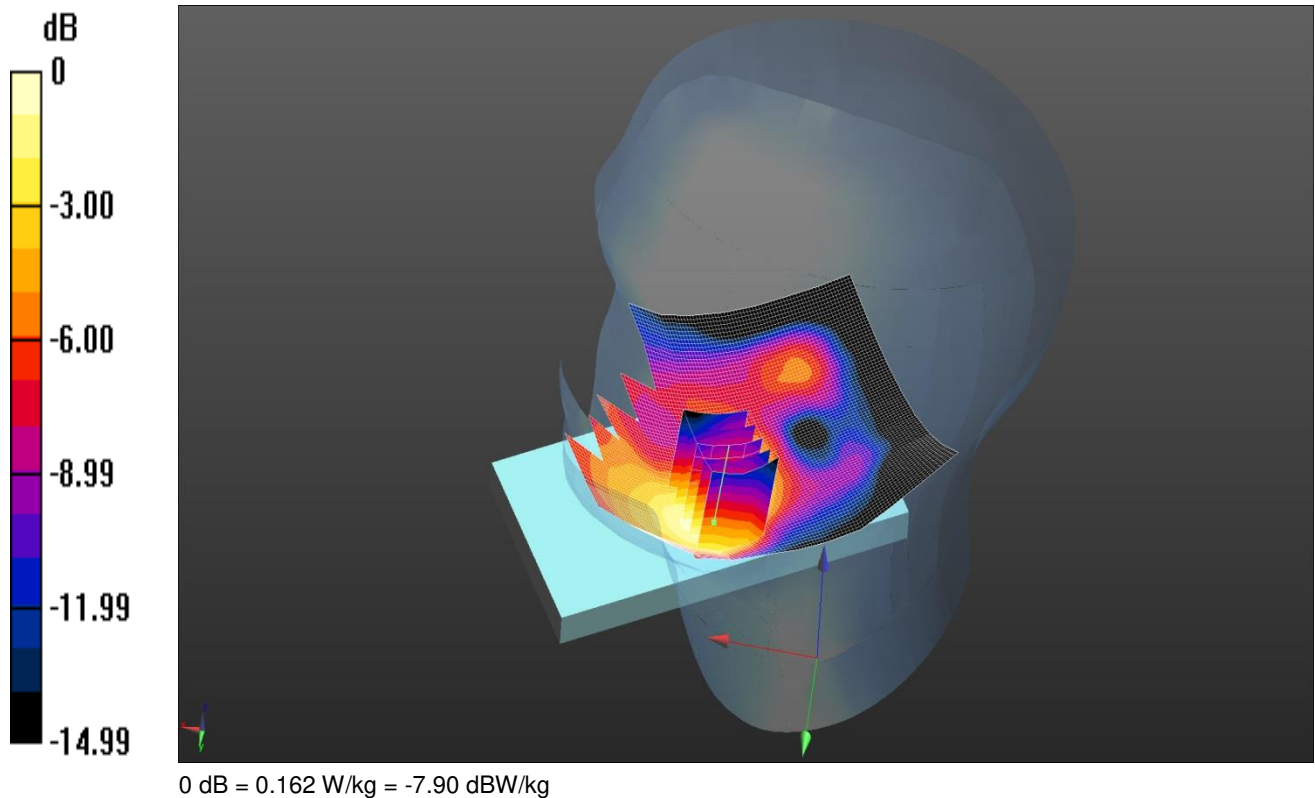
Peak SAR (extrapolated) = 0.202 W/kg

SAR(1 g) = 0.154 mW/g; SAR(10 g) = 0.114 mW/g

Maximum value of SAR (measured) = 0.161 mW/g

Date: 19/4/2016

DUT: Model Name: Solarin; Model Number: SR0020-W ; Type: Primary Antenna; Serial: 19



Communication System: UID 0, LTE FDD Bands - 20MHz Channel BW (0); Frequency: 1860 MHz; Duty Cycle: 1:1
Medium: 1900 HSL Medium parameters used (interpolated): $f = 1860$ MHz; $\sigma = 1.392$ S/m; $\epsilon_r = 39.173$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(5.07, 5.07, 5.07); Calibrated: 25/8/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/2/2016
- Phantom: SAM A (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1836
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Touch Right 1RB Low - Head - PB0/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.160 W/kg

Configuration/Touch Right 1RB Low - Head - PB0/Zoom Scan (7x7x7) 2 2 2 (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.88 V/m; Power Drift = -0.05 dB

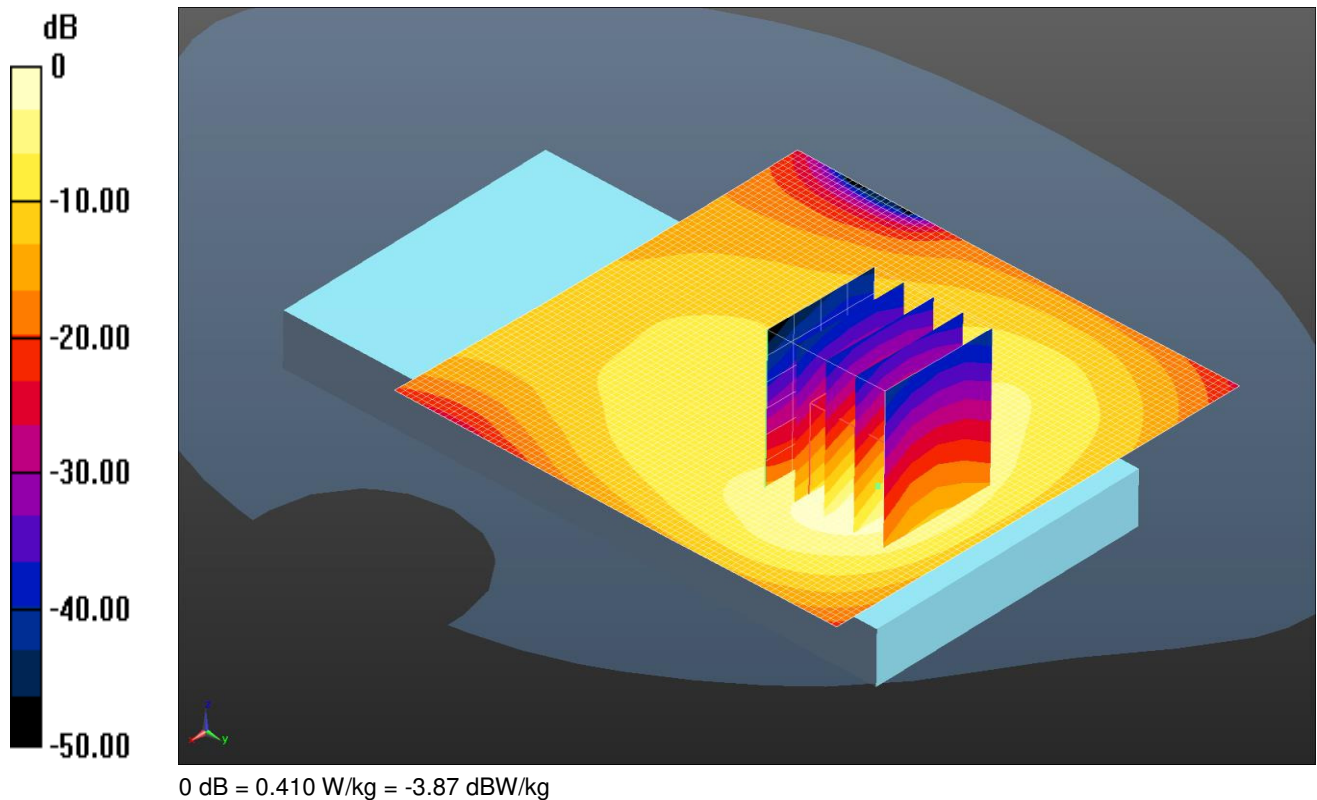
Peak SAR (extrapolated) = 0.230 W/kg

SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.098 W/kg

Maximum value of SAR (measured) = 0.162 W/kg

Date: 9/5/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; Type: Primary Antenna; Serial: 19



Communication System: UID 0, LTE FDD Bands - 20MHz Channel BW (0); Frequency: 1905 MHz; Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1905$ MHz; $\sigma = 1.507$ S/m; $\epsilon_r = 51.761$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3341; ConvF(4.78, 4.78, 4.78); Calibrated: 25/8/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/2/2016
- Phantom: SAM A (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1836
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Back 1RB Low - Hotspot - PB1 2/Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.410 W/kg

Configuration/Back 1RB Low - Hotspot - PB1 2/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.458 V/m; Power Drift = 0.03 dB

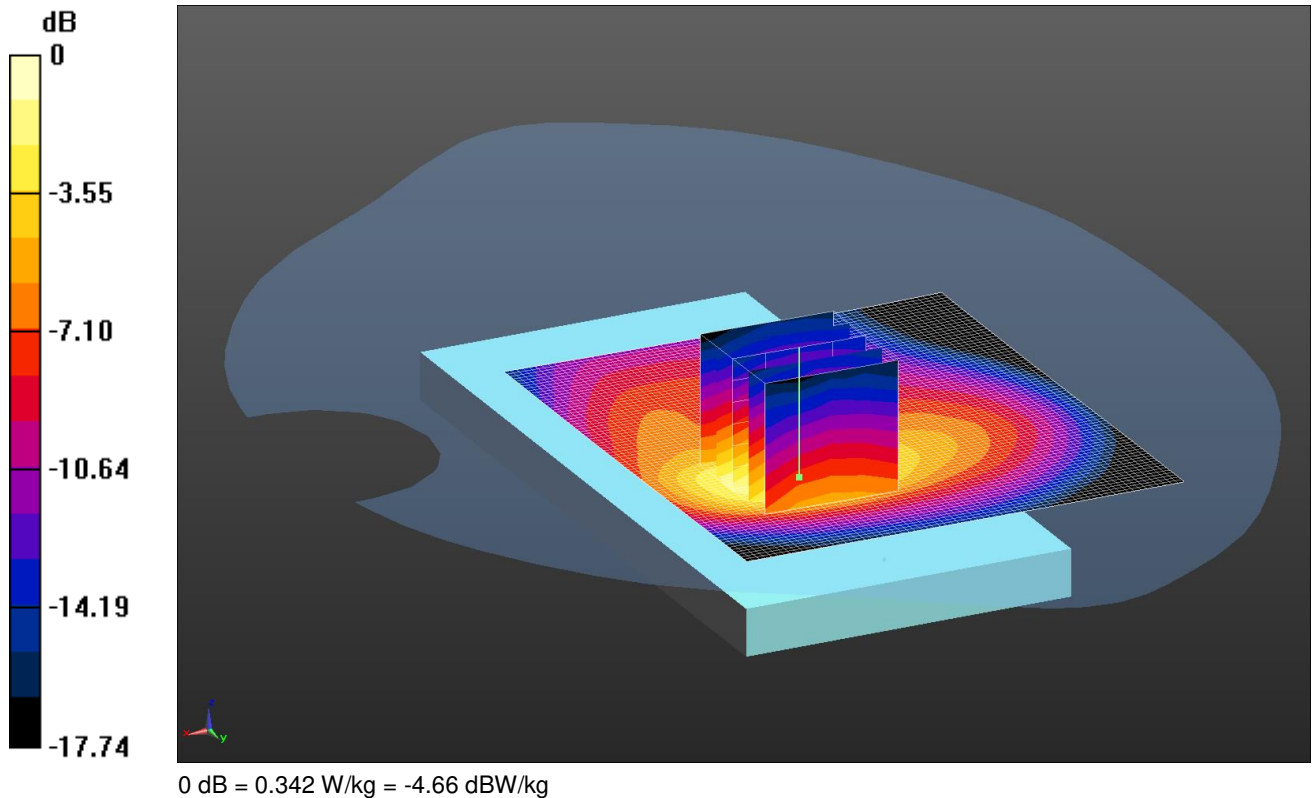
Peak SAR (extrapolated) = 0.726 W/kg

SAR(1 g) = 0.394 W/kg; SAR(10 g) = 0.199 W/kg

Maximum value of SAR (measured) = 0.436 W/kg

Date: 16/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I 8



Communication System: UID 0, LTE FDD Bands - 20MHz Channel BW (0); Frequency: 1860 MHz; Duty Cycle: 1:1
Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1860$ MHz; $\sigma = 1.495$ S/m; $\epsilon_r = 51.771$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.84, 7.84, 7.84); Calibrated: 26/04/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/02/2016
- Phantom: SAM 1-2 (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1817
- ; SEMCAD X Version 14.6.10 (7372)

Configuration/Back 1RB Low - Bodyworn - PB0/Area Scan (71x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 0.310 W/kg

Configuration/Back 1RB Low - Bodyworn - PB0/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.914 V/m; Power Drift = -0.06 dB

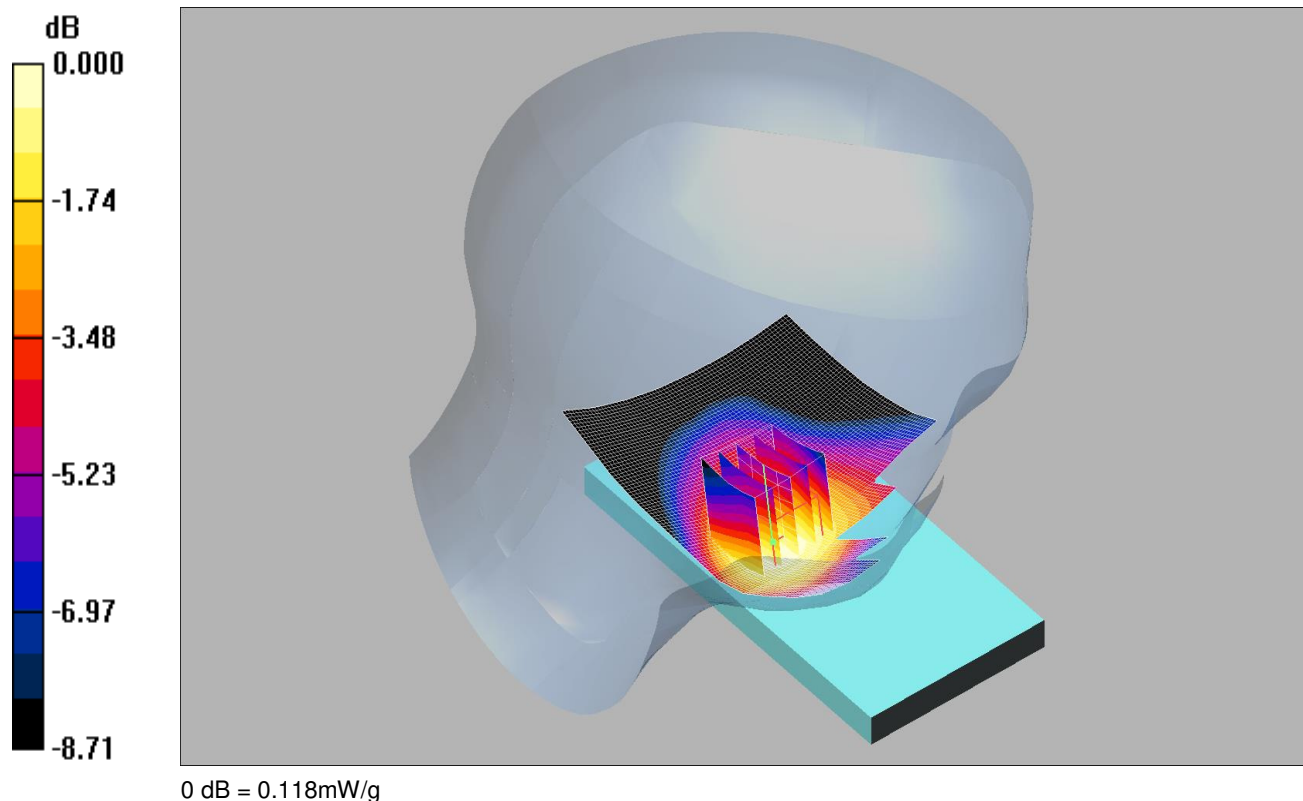
Peak SAR (extrapolated) = 0.522 W/kg

SAR(1 g) = 0.303 W/kg; SAR(10 g) = 0.165 W/kg

Maximum value of SAR (measured) = 0.342 W/kg

Date: 06/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I 8



Communication System: LTE Band 26 / 15MHz; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium: 900 MHz HSL Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.909$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.31, 6.31, 6.31);

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn450; Calibrated: 28/09/2015

- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch Left 1RB Low - Head - PBx/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.117 mW/g

Touch Left 1RB Low - Head - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.2 V/m; Power Drift = -0.108 dB

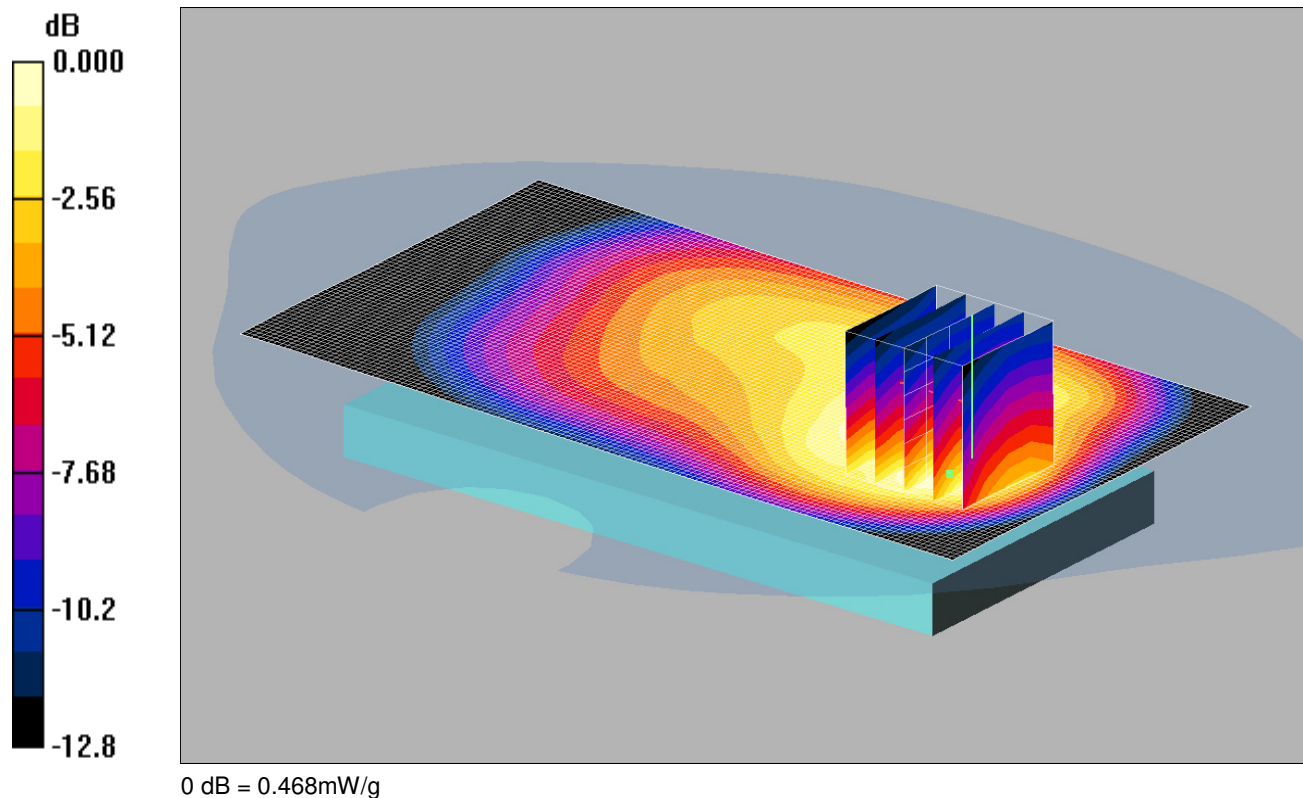
Peak SAR (extrapolated) = 0.134 W/kg

SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.087 mW/g

Maximum value of SAR (measured) = 0.118 mW/g

Date: 28/04/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I 8



Communication System: LTE - Band 26 / 15MHz Channel; Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 841.5$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(5.98, 5.98, 5.98);

- Sensor-Surface: 3mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/05/2015

- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020

- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Back 1RB Low - Hotspot - PBx/Area Scan (71x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.505 mW/g

Back 1RB Low - Hotspot - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.1 V/m; Power Drift = -0.027 dB

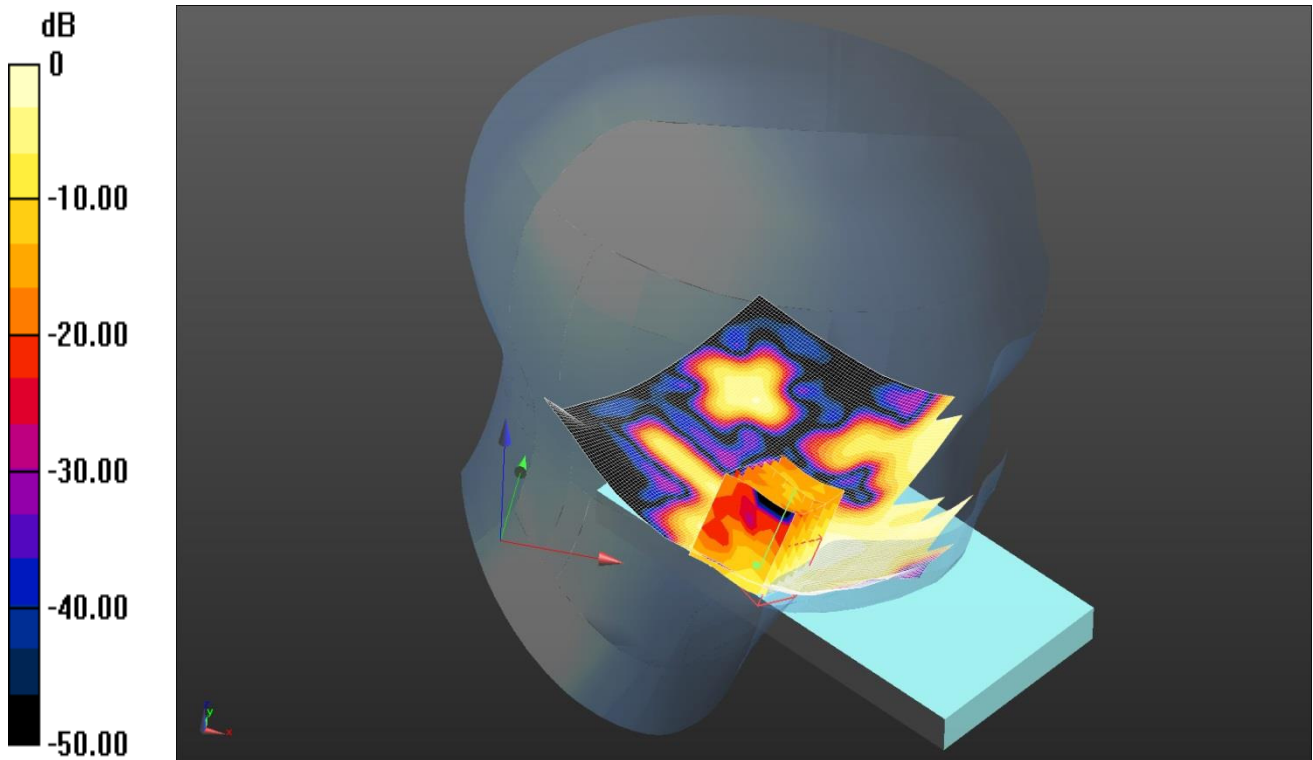
Peak SAR (extrapolated) = 0.884 W/kg

SAR(1 g) = 0.402 mW/g; SAR(10 g) = 0.231 mW/g

Maximum value of SAR (measured) = 0.468 mW/g

Date: 06/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; Type: Primary Antenna; Serial: 19



0 dB = 0.0519 W/kg = -12.85 dBW/kg

Communication System: UID 0, LTE Bands - 10MHz Channel BW (0); Frequency: 2310 MHz; Duty Cycle: 1:1
Medium: 2300 MHz HSL Medium parameters used (interpolated): $f = 2310$ MHz; $\sigma = 1.696$ S/m; $\epsilon_r = 38.143$; $\rho = 1000$ kg/m³
Phantom section: Left Section
DASY4 Configuration:
- Probe: ES3DV3 - SN3335; ConvF(4.78, 4.78, 4.78); Calibrated: 23/07/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn432; Calibrated: 25/08/2015
- Phantom: SAMB (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)
Configuration/Touch Left 50%RB Low - Head - PB0/Area Scan (101x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0401 W/kg

Configuration/Touch Left 50%RB Low - Head - PB0/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.853 V/m; Power Drift = 0.62 dB

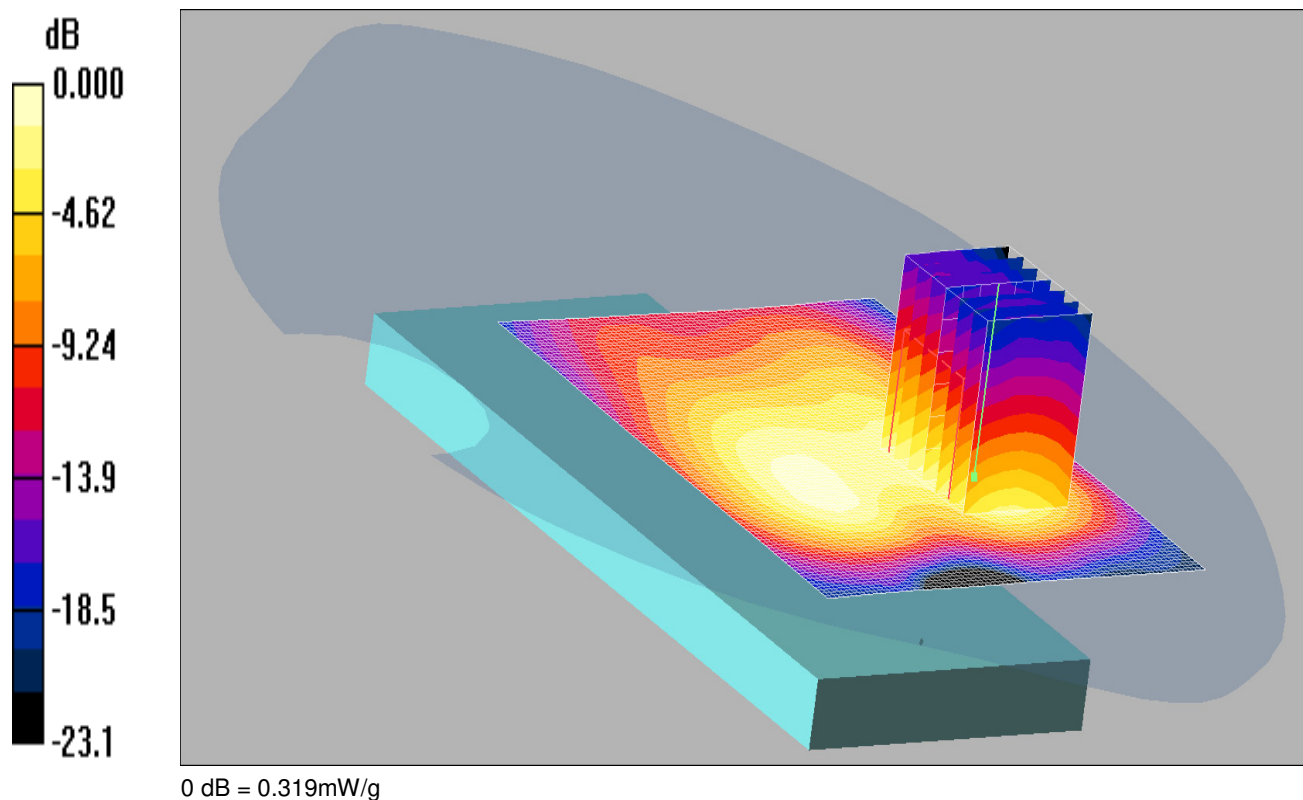
Peak SAR (extrapolated) = 0.0960 W/kg

SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.020 W/kg

Maximum value of SAR (measured) = 0.0519 W/kg

Date: 19/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: LTE - Band 30/ 10MHz Channel; Frequency: 2310 MHz; Duty Cycle: 1:1.5625

Medium: 2300/2450 MHz MSL Medium parameters used (interpolated): $f = 2310$ MHz; $\sigma = 1.86$ mho/m; $\epsilon_r = 50.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(4.54, 4.54, 4.54);

- Sensor-Surface: 3mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn432; Calibrated: 25/08/2015

- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back 1 RB Low - Hotspot - PB1/Area Scan (91x101x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.312 mW/g

Back 1 RB Low - Hotspot - PB1/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.6 V/m; Power Drift = -0.142 dB

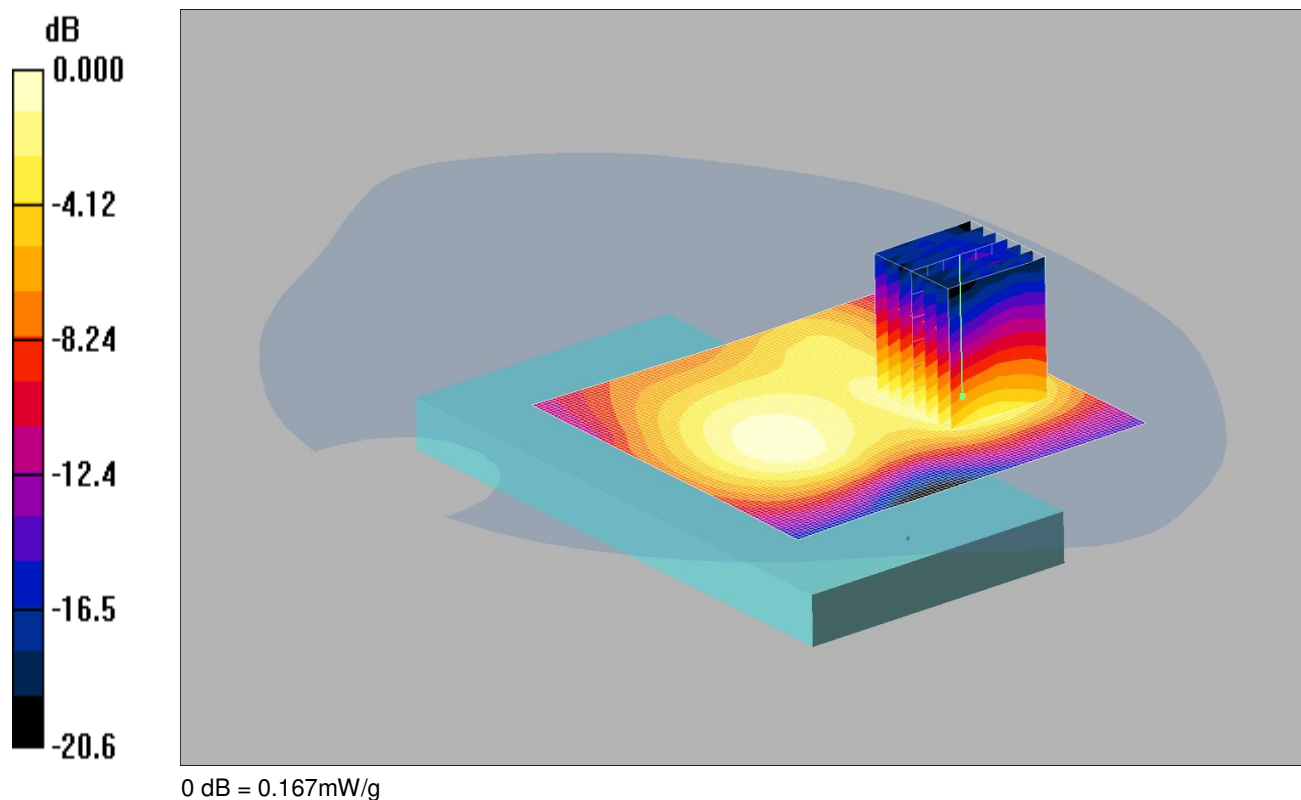
Peak SAR (extrapolated) = 0.503 W/kg

SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.131 mW/g

maximum value of SAR (measured) = 0.319 mW/g

Date: 17/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I 8



Communication System: LTE - Band 30/ 10MHz Channel; Frequency: 2310 MHz; Duty Cycle: 1:1.5625
Medium: 2300/2450 MHz MSL Medium parameters used (interpolated): $f = 2310$ MHz; $\sigma = 1.87$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(4.54, 4.54, 4.54);

- Sensor-Surface: 3mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn432; Calibrated: 25/08/2015

- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT 1RB Low - Bodyworn - PB0/Area Scan (91x91x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.174 mW/g

Back of EUT 1RB Low - Bodyworn - PB0/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.10 V/m; Power Drift = -0.098 dB

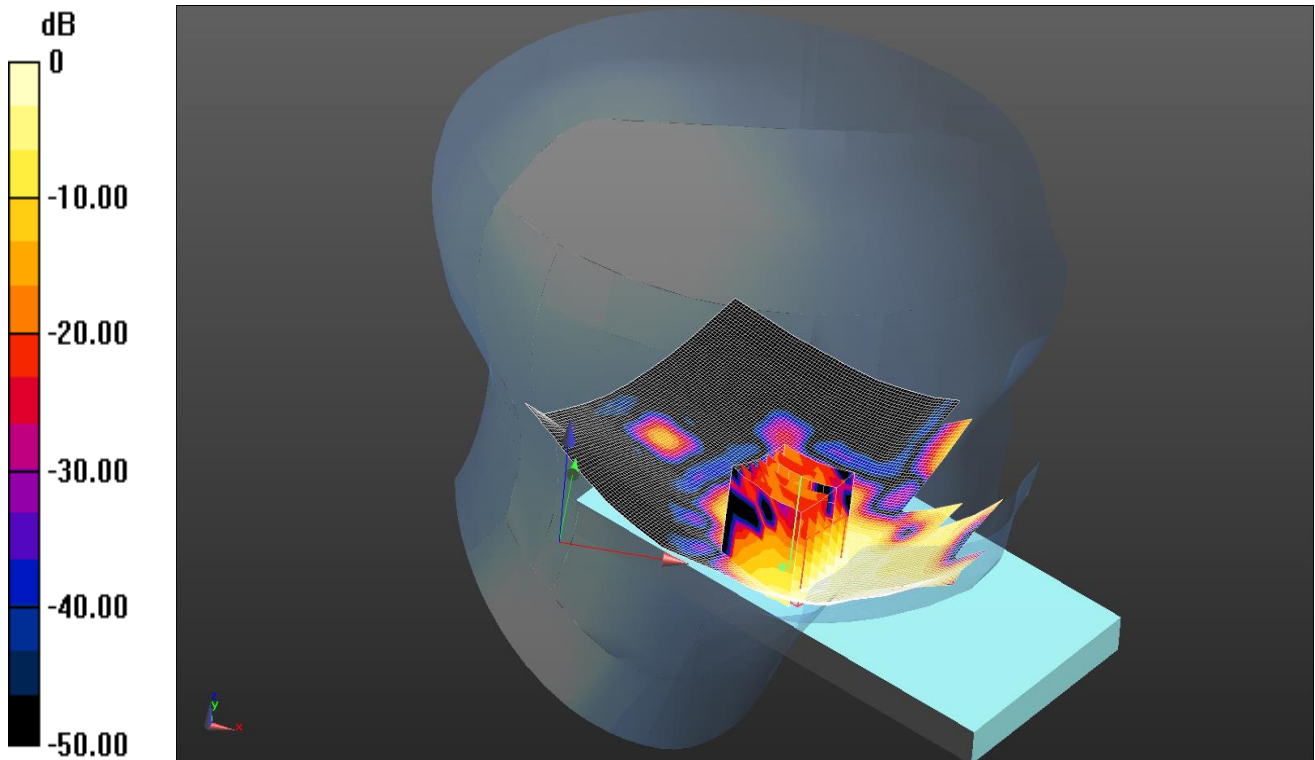
Peak SAR (extrapolated) = 0.261 W/kg

SAR(1 g) = 0.135 mW/g; SAR(10 g) = 0.073 mW/g

Maximum value of SAR (measured) = 0.167 mW/g

Date: 29/04/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; Type: Primary Antenna; Serial: 19



0 dB = 0.0572 W/kg = -12.43 dBW/kg

Communication System: UID 0, LTE TDD 20MHz(Duty Cycle 43%) (0); Frequency: 2593 MHz;Duty Cycle: 1:2.30675
Medium: 2450 MHz HSL Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.971$ S/m; $\epsilon_r = 38.232$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3335; ConvF(4.33, 4.33, 4.33); Calibrated: 23/07/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn432; Calibrated: 25/08/2015
- Phantom: SAMB (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Touch Left 1RB Middle - Head - PBx 2 2/Area Scan (101x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0477 W/kg

Configuration/Touch Left 1RB Middle - Head - PBx 2 2/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.446 V/m; Power Drift = 1.09 dB

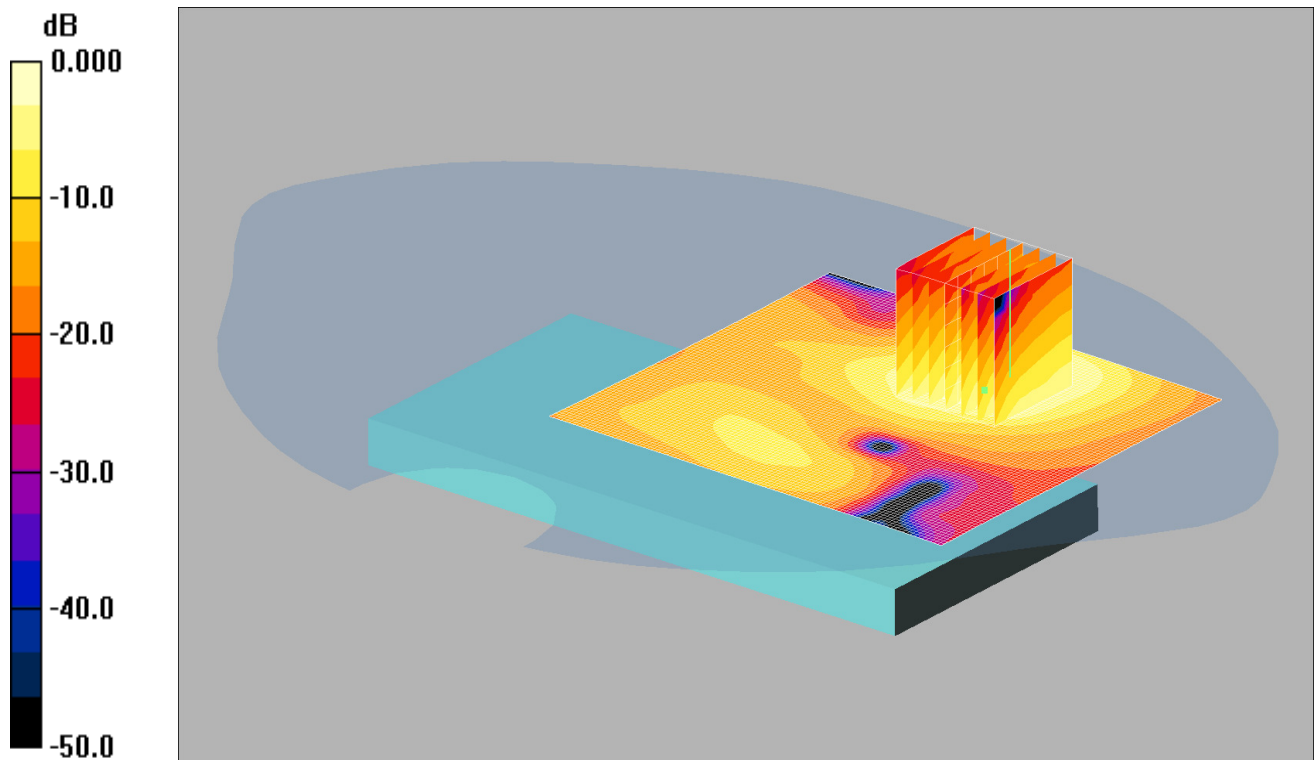
Peak SAR (extrapolated) = 0.0910 W/kg

SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.018 W/kg

Maximum value of SAR (measured) = 0.0572 W/kg

Date: 18/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: LTE - Band 41/ 20MHz Channel; Frequency: 2593 MHz; Duty Cycle: 1:2.30675
Medium: 2600 MHz MSL Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 2.16$ mho/m; $\epsilon_r = 50.5$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(4.1, 4.1, 4.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn432; Calibrated: 25/08/2015
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back 1RB Middle - Hotspot - PBx 2/Area Scan (91x101x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.398 mW/g

Back 1RB Middle - Hotspot - PBx 2/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.1 V/m; Power Drift = 0.094 dB

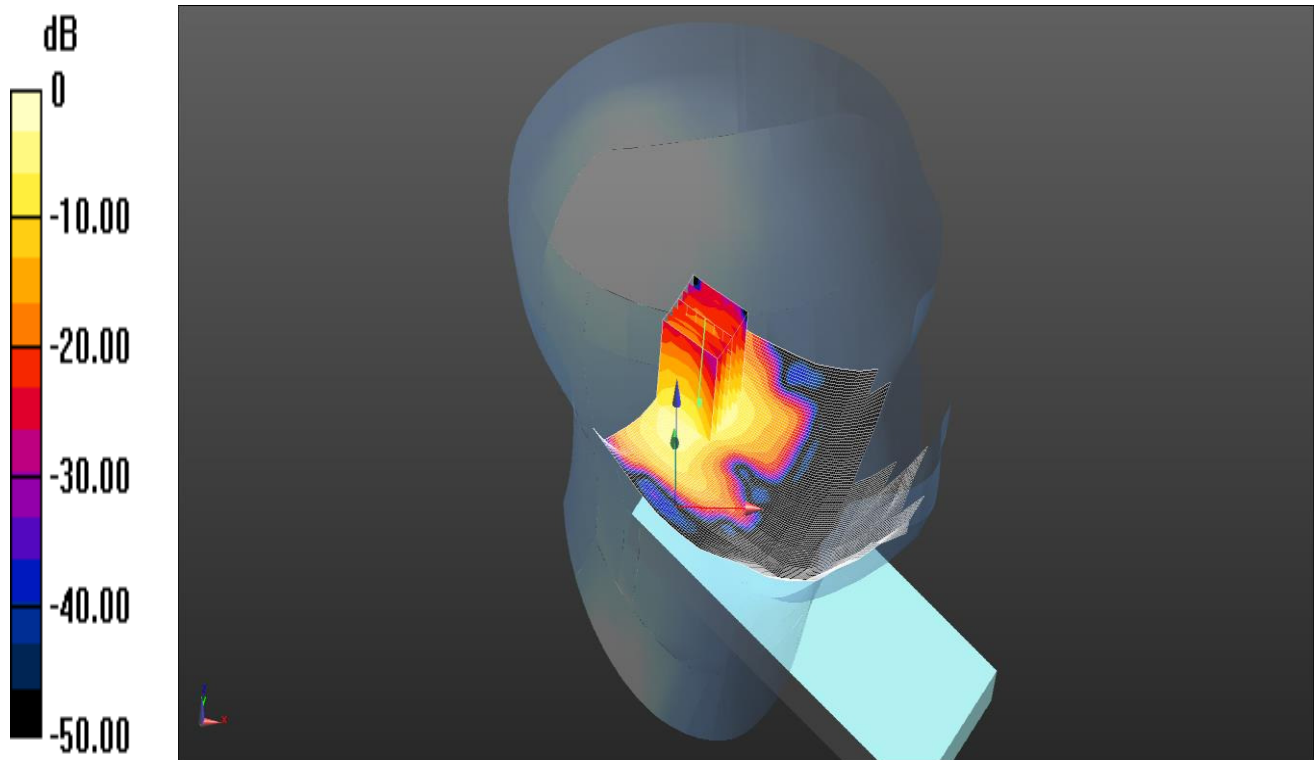
Peak SAR (extrapolated) = 0.627 W/kg

SAR(1 g) = 0.297 mW/g; SAR(10 g) = 0.152 mW/g

Maximum value of SAR (measured) = 0.381 mW/g

Date: 23/04/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; Type: Wifi Antenna; Serial: 19



0 dB = 0.436 W/kg = -3.61 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: 2450 MHz HSL Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.802$ S/m; $\epsilon_r = 39.992$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3335; ConvF(4.42, 4.42, 4.42); Calibrated: 23/07/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn432; Calibrated: 25/08/2015
- Phantom: SAMB (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Tilt Left 802.11b MIMO Ant 1&2 - Head - PBx/Area Scan (101x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.302 W/kg

Configuration/Tilt Left 802.11b MIMO Ant 1&2 - Head - PBx/Ant1 Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.248 V/m; Power Drift = 0.34 dB

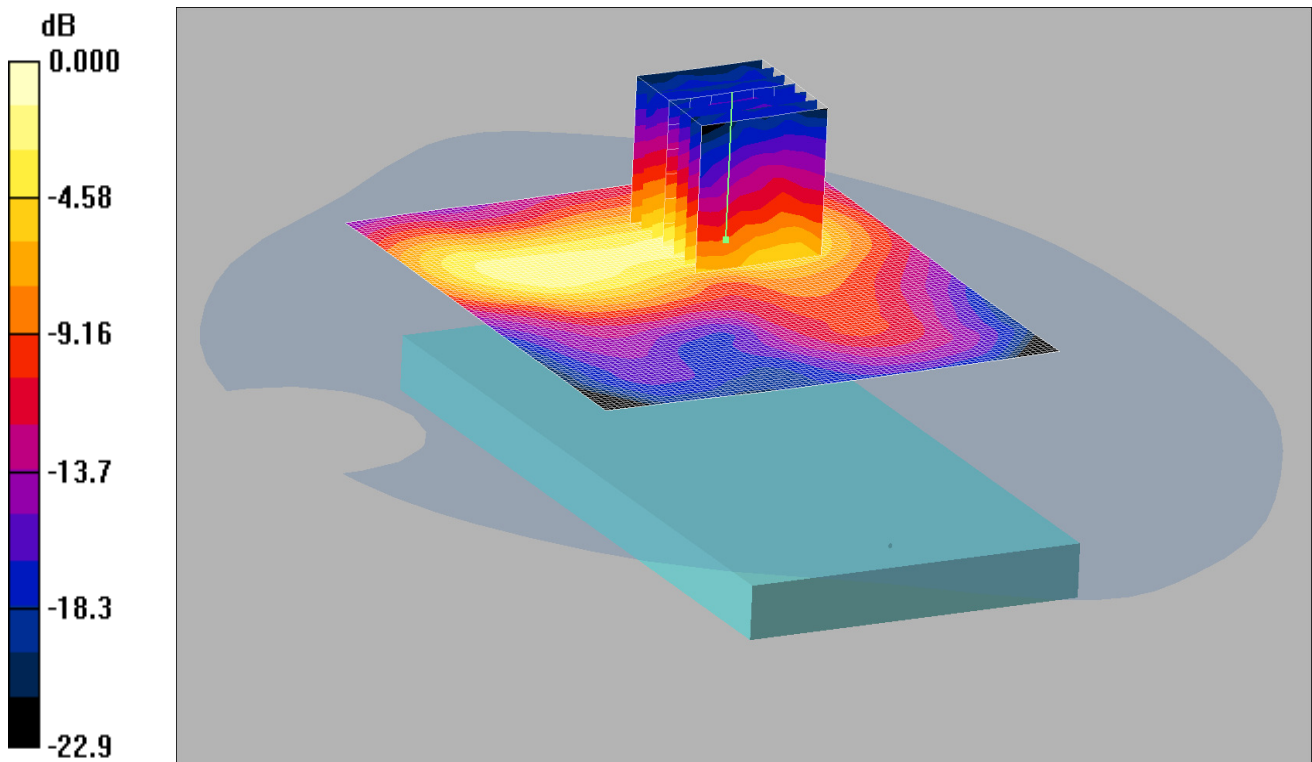
Peak SAR (extrapolated) = 0.675 W/kg

SAR(1 g) = 0.270 W/kg; SAR(10 g) = 0.120 W/kg

Maximum value of SAR (measured) = 0.436 W/kg

Date: 09/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.261mW/g

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3335; ConvF(4.31, 4.31, 4.31);

- Sensor-Surface: 3mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn432; Calibrated: 25/08/2015

- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back - Hotspot - PBx 2/Area Scan 3 (91x101x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.254 mW/g

Back - Hotspot - PBx 2/Zoom Scan (7x7x7) 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.94 V/m; Power Drift = -0.017 dB

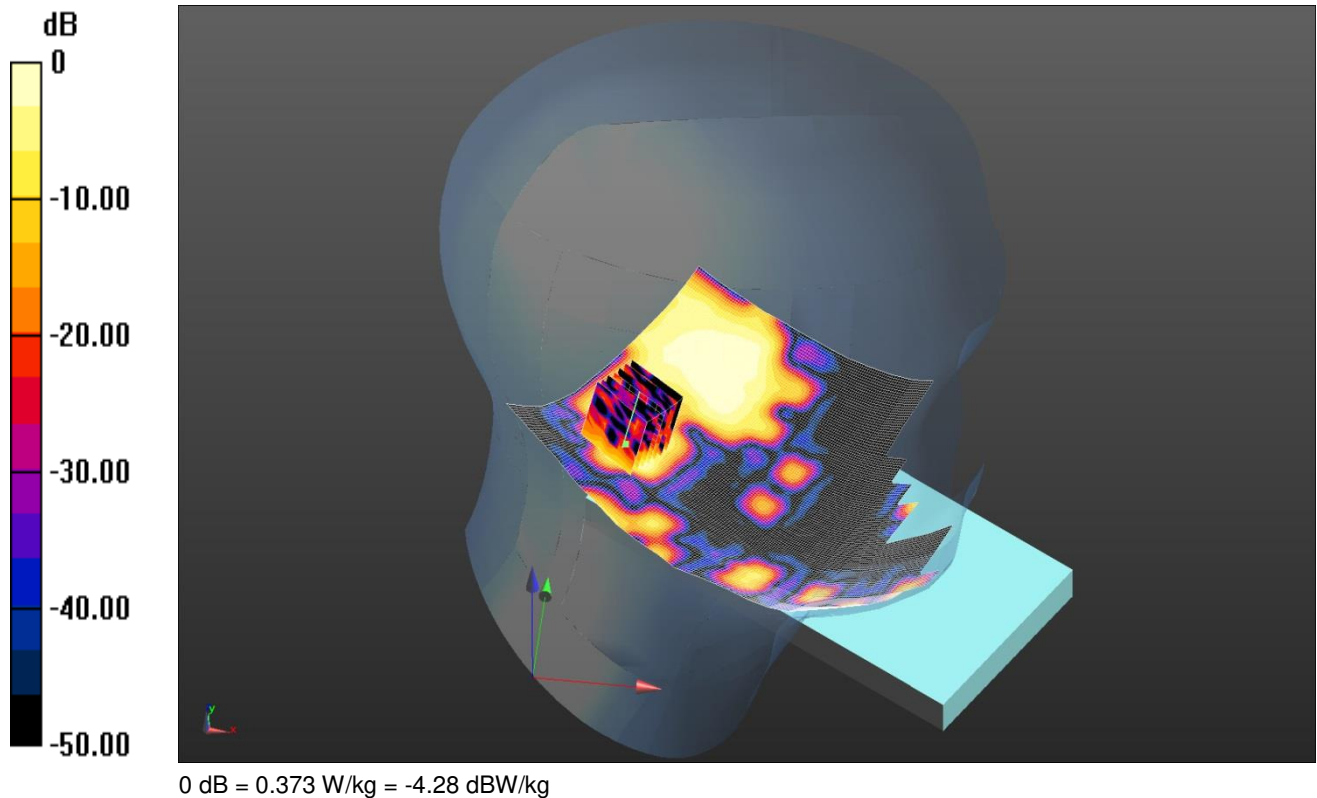
Peak SAR (extrapolated) = 0.411 W/kg

SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.093 mW/g

Maximum value of SAR (measured) = 0.261 mW/g

Date: 21/04/16

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: UID 0, WLAN 802.11 (0); Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5250/5600/5750 MHz HSL Medium parameters used: $f = 5500$ MHz; $\sigma = 4.921$ S/m; $\epsilon_r = 34.234$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.5, 4.5, 4.5); Calibrated: 21/03/16;

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn431; Calibrated: 17/11/15

- Phantom: SAM (20deg probe tilt) with CRP v4.0; Type: QD000P40CC; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7331)

Configuration/DNU Touch Left 802.11a MIMO Ant 1&2 - Head - PBx 2/Area Scan (121x191x1): Interpolated grid:

$dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.469 W/kg

Configuration/DNU Touch Left 802.11a MIMO Ant 1&2 - Head - PBx 2/Ant1 Zoom Scan (7x7x12) (7x7x12)/Cube 0:

Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 9.636 V/m; Power Drift = -0.03 dB

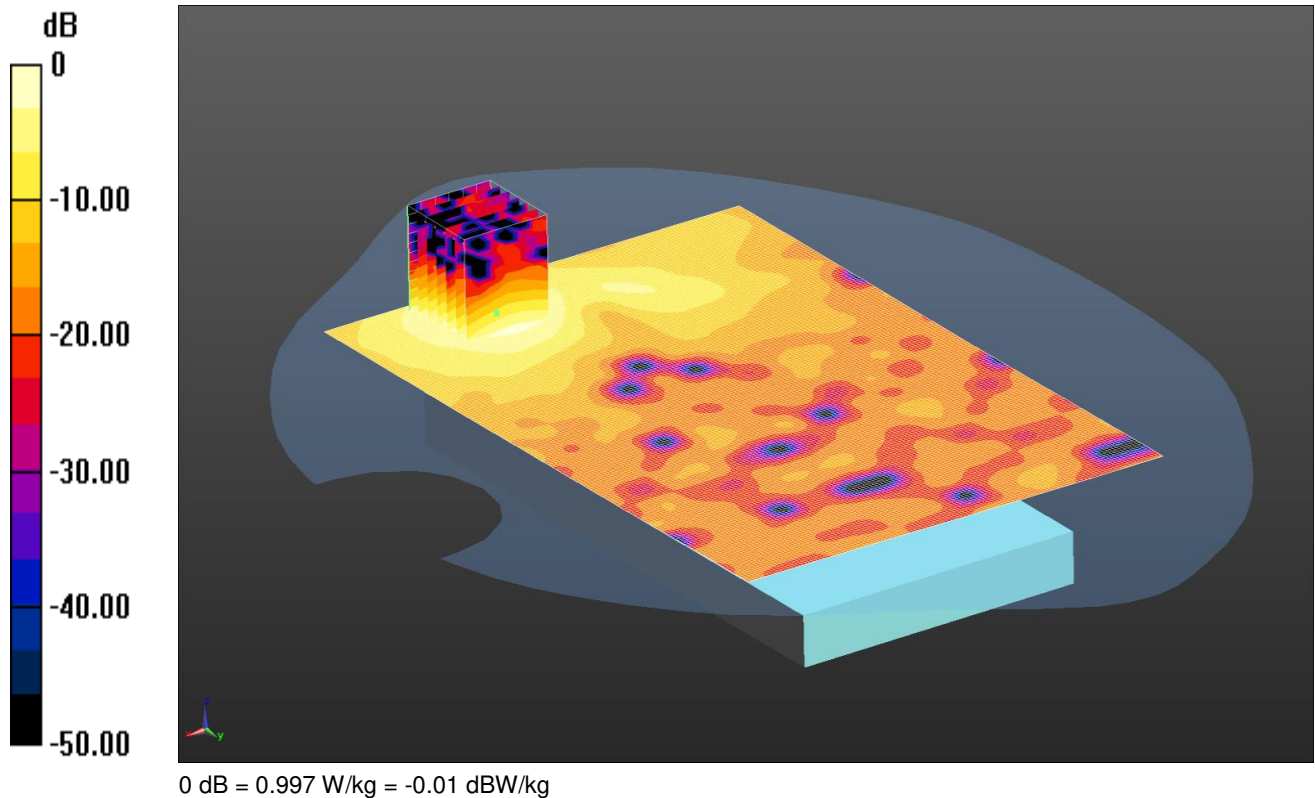
Peak SAR (extrapolated) = 0.708 W/kg

SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.053 W/kg

Maximum value of SAR (measured) = 0.373 W/kg

Date: 04/05/16

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: UID 0, WLAN 802.11 (0); Frequency: 5765 MHz; Duty Cycle: 1:1

Medium: 5250/5600/5750 MHz MSL Medium parameters used (interpolated): $f = 5765$ MHz; $\sigma = 6.067$ S/m; $\epsilon_r = 48.056$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(3.99, 3.99, 3.99); Calibrated: 06/10/15;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn431; Calibrated: 17/11/15
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Back 802.11a MIMO Ant 1&2 - Hotspot - PBx/Area Scan (121x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Configuration/Back 802.11a MIMO Ant 1&2 - Hotspot - PBx/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 13.53 V/m; Power Drift = -0.12 dB

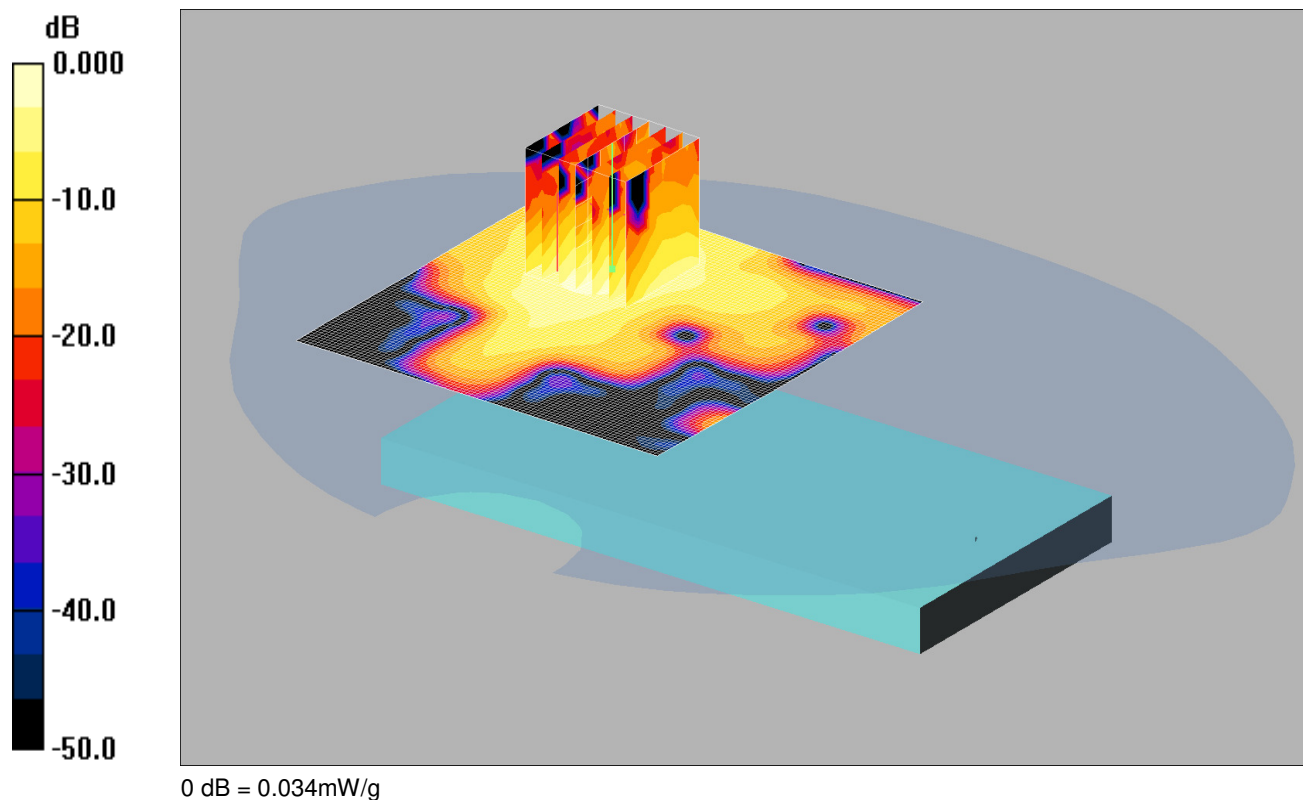
Peak SAR (extrapolated) = 2.03 W/kg

SAR(1 g) = 0.520 W/kg; SAR(10 g) = 0.183 W/kg

Maximum value of SAR (measured) = 0.997 W/kg

Date: 20/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1

Medium: 2300/2450 MHz MSL Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 2.05$ mho/m; $\epsilon_r = 50.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(4.31, 4.31, 4.31);

- Sensor-Surface: 3mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn432; Calibrated: 25/08/2015

- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back - Bluetooth - Hotspot - PBx/Area Scan (91x91x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.033 mW/g

Back - Bluetooth - Hotspot - PBx/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.14 V/m; Power Drift = -0.144 dB

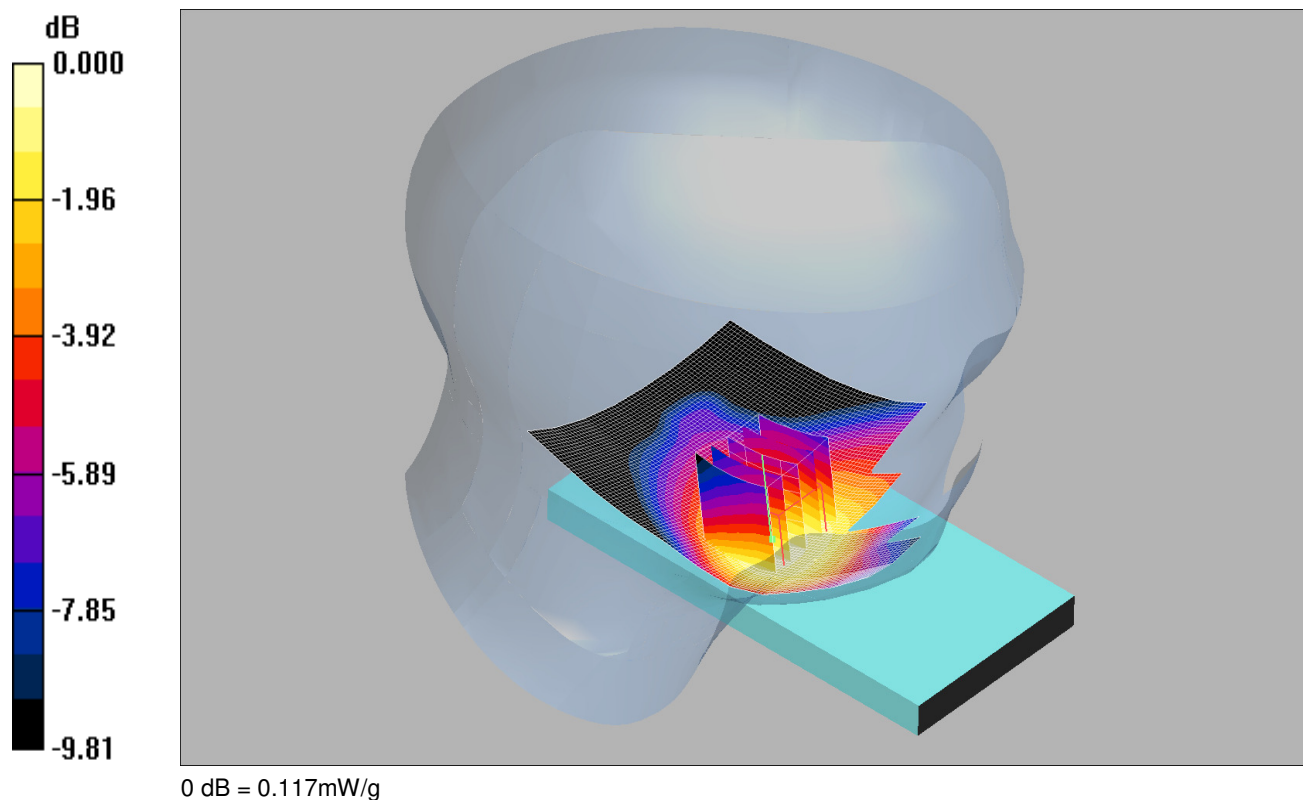
Peak SAR (extrapolated) = 0.058 W/kg

SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.034 mW/g

Date: 27/04/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: GSM 850 MHz; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz HSL Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.31, 6.31, 6.31);

- Sensor-Surface: 3mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn450; Calibrated: 28/09/2015

- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch Left - Head - PBx/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.110 mW/g

Touch Left - Head - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.77 V/m; Power Drift = -0.024 dB

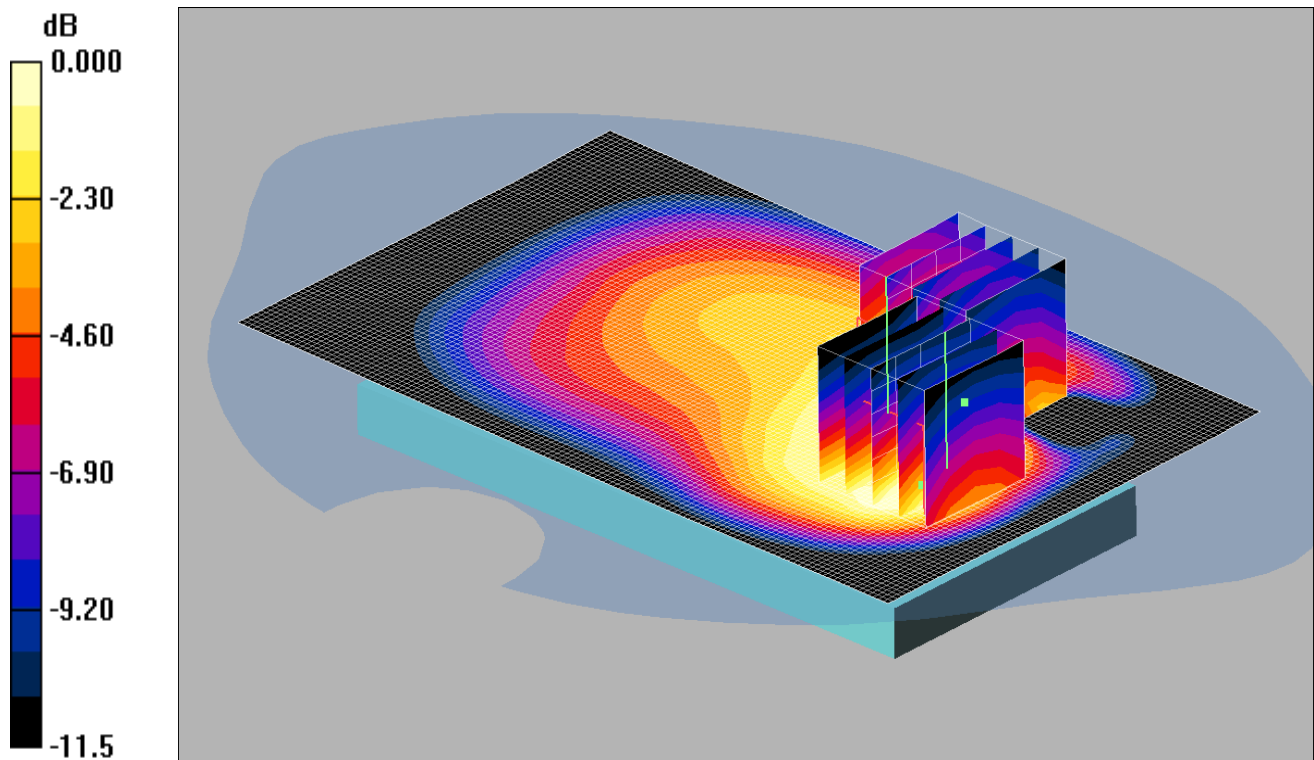
Peak SAR (extrapolated) = 0.147 W/kg

SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.080 mW/g

Maximum value of SAR (measured) = 0.117 mW/g

Date: 26/04/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.579mW/g

Communication System: GPRS 850 MHz 3TX; Frequency: 848.8 MHz; Duty Cycle: 1:2.67

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.973$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(5.98, 5.98, 5.98);

- Sensor-Surface: 3mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/05/2015

- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020

- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Back - Hotspot - PBx 2/Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.697 mW/g

Back - Hotspot - PBx 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.1 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.558 mW/g; SAR(10 g) = 0.315 mW/g

Maximum value of SAR (measured) = 0.682 mW/g

Back - Hotspot - PBx 2/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.1 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 0.733 W/kg

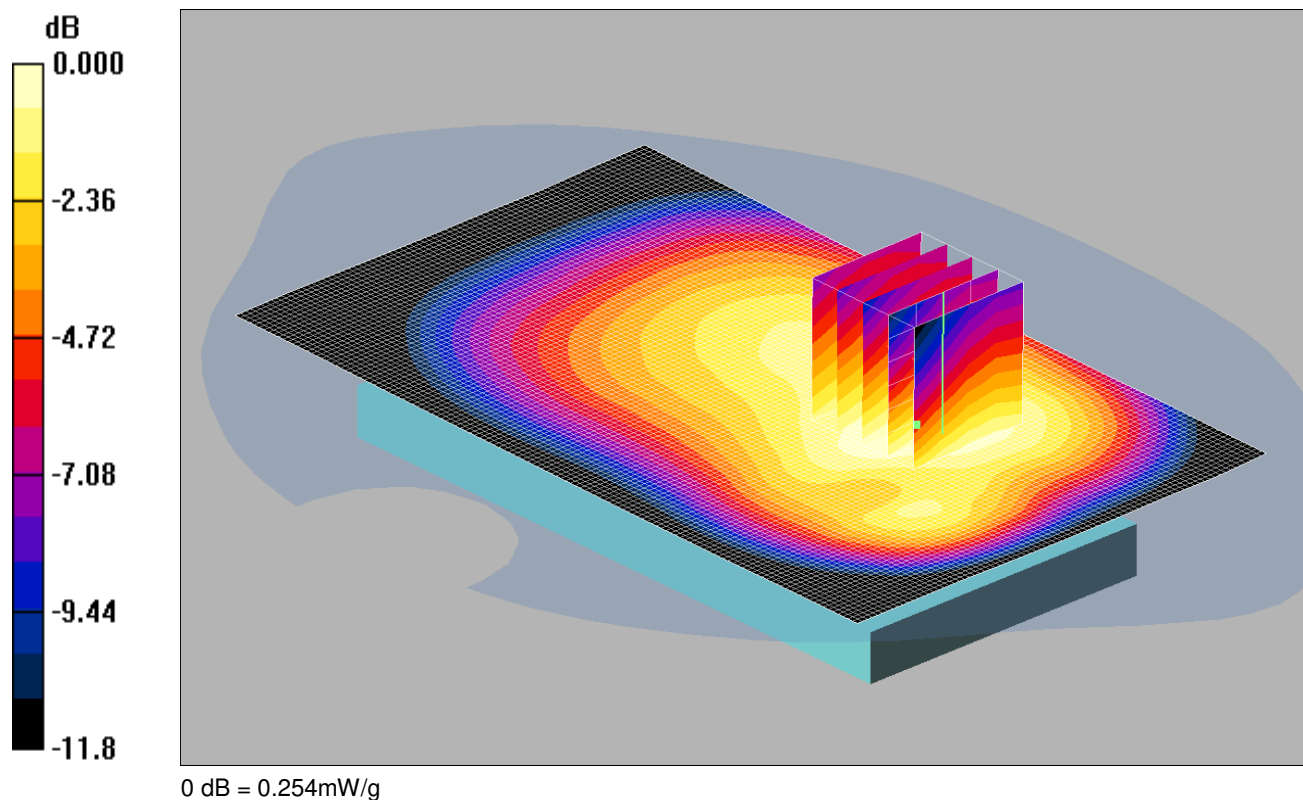
SAR(1 g) = 0.510 mW/g; SAR(10 g) = 0.352 mW/g

Maximum value of SAR (measured) = 0.579 mW/g

Note: DASY system is configured to measure any secondary maxima that are within 2dB of the measured SAR level.

Date: 26/04/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I 8



Communication System: GSM 850 MHz; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.973$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1529; ConvF(5.98, 5.98, 5.98);

- Sensor-Surface: 3mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/05/2015

- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020

- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

Back - Hotspot - PBx/Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.257 mW/g

Back - Hotspot - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.4 V/m; Power Drift = -0.041 dB

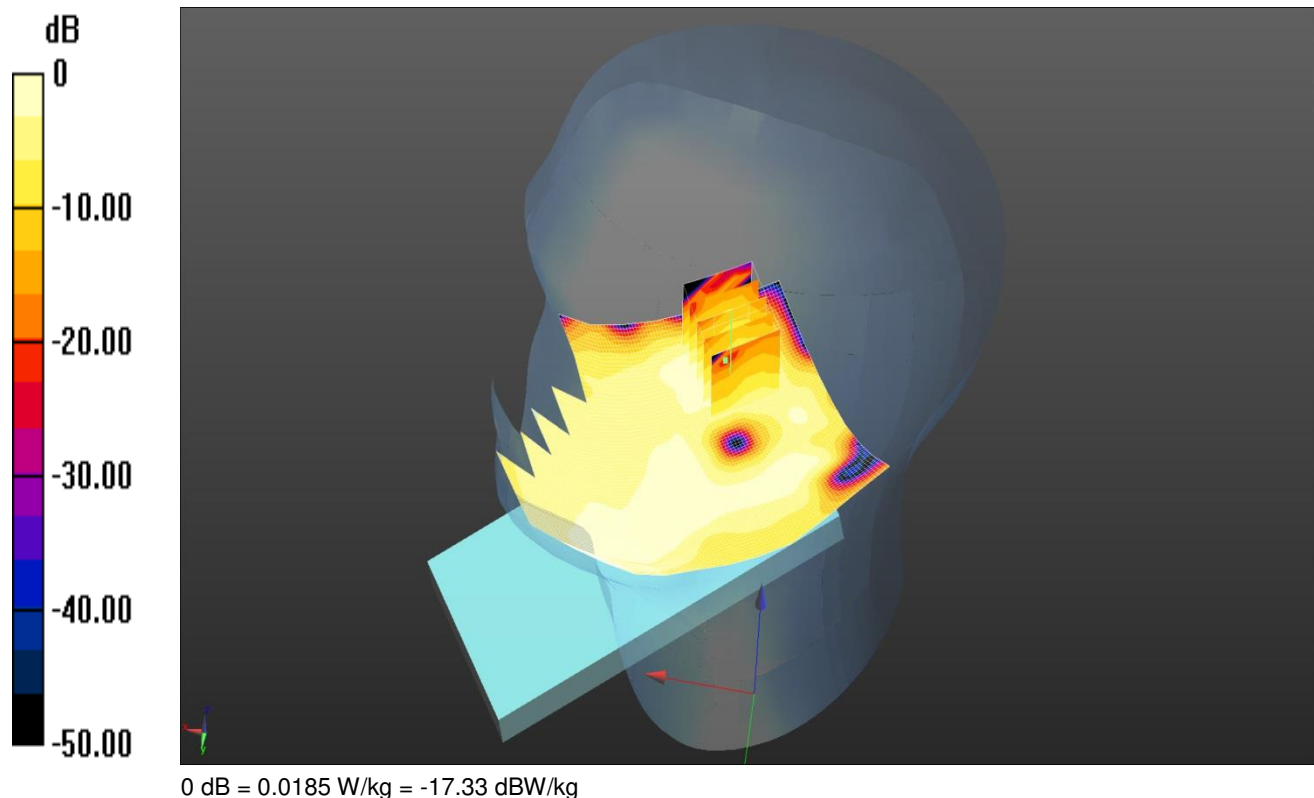
Peak SAR (extrapolated) = 0.313 W/kg

SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.167 mW/g

Maximum value of SAR (measured) = 0.254 mW/g

Date: 16/4/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: UID 0, Generic GSM (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8.30042

Medium: 1900 HSL Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.441$ S/m; $\epsilon_r = 39.816$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(5.07, 5.07, 5.07); Calibrated: 25/8/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/2/2016
- Phantom: SAM A (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1836
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/TILT Right - Head - PB0/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.0250 W/kg

Configuration/TILT Right - Head - PB0/Zoom Scan (7x7x7) 2 (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.752 V/m; Power Drift = 0.16 dB

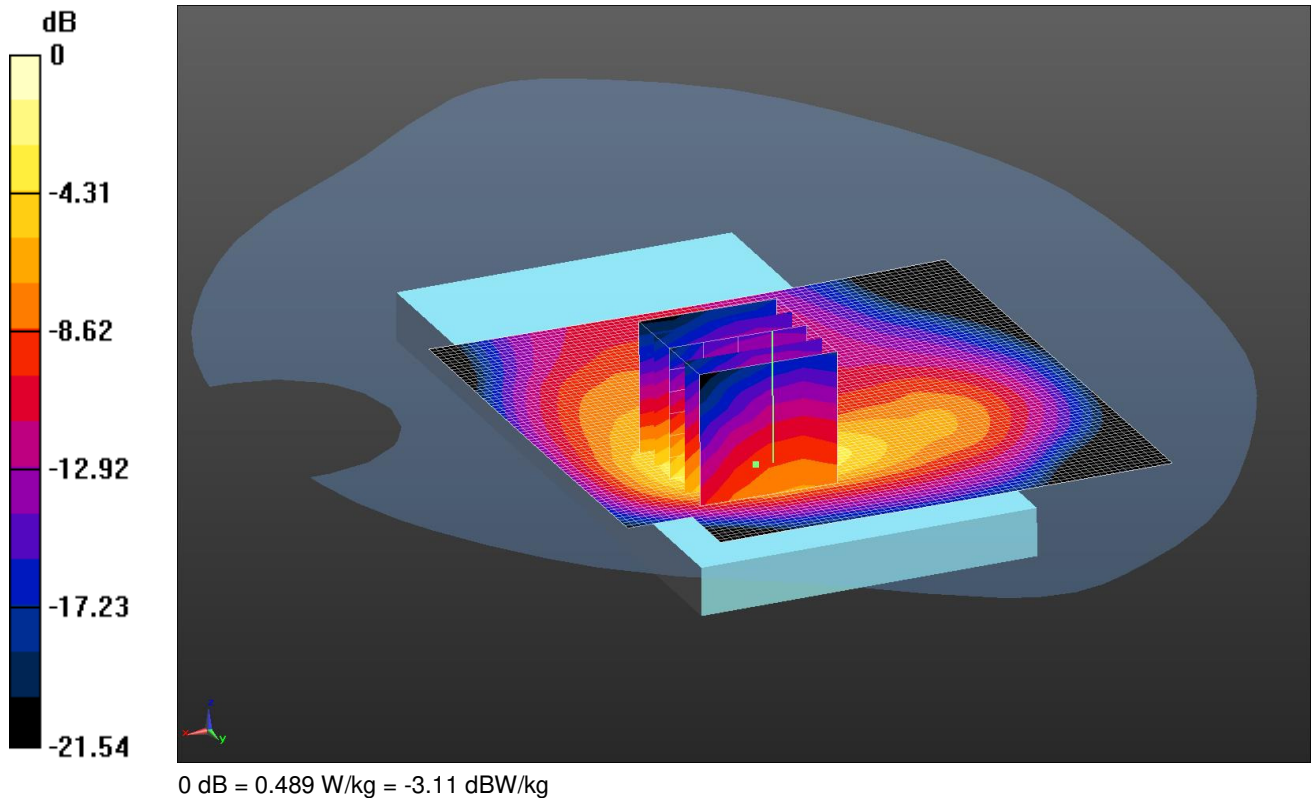
Peak SAR (extrapolated) = 0.0280 W/kg

SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.0096 W/kg

Maximum value of SAR (measured) = 0.0185 W/kg

Date: 19/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: UID 0, GPRS 3Tx (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.66993

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.571$ S/m; $\epsilon_r = 50.954$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.84, 7.84, 7.84); Calibrated: 26/04/2016;

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1438; Calibrated: 25/04/2016

- Phantom: SAM 1-2 (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1817

- ; SEMCAD X Version 14.6.10 (7372)

Configuration/DAE SWAP Back - Hotspot - PBx 2/Area Scan 2 2 2 (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.386 W/kg

Configuration/DAE SWAP Back - Hotspot - PBx 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.580 V/m; Power Drift = 0.01 dB

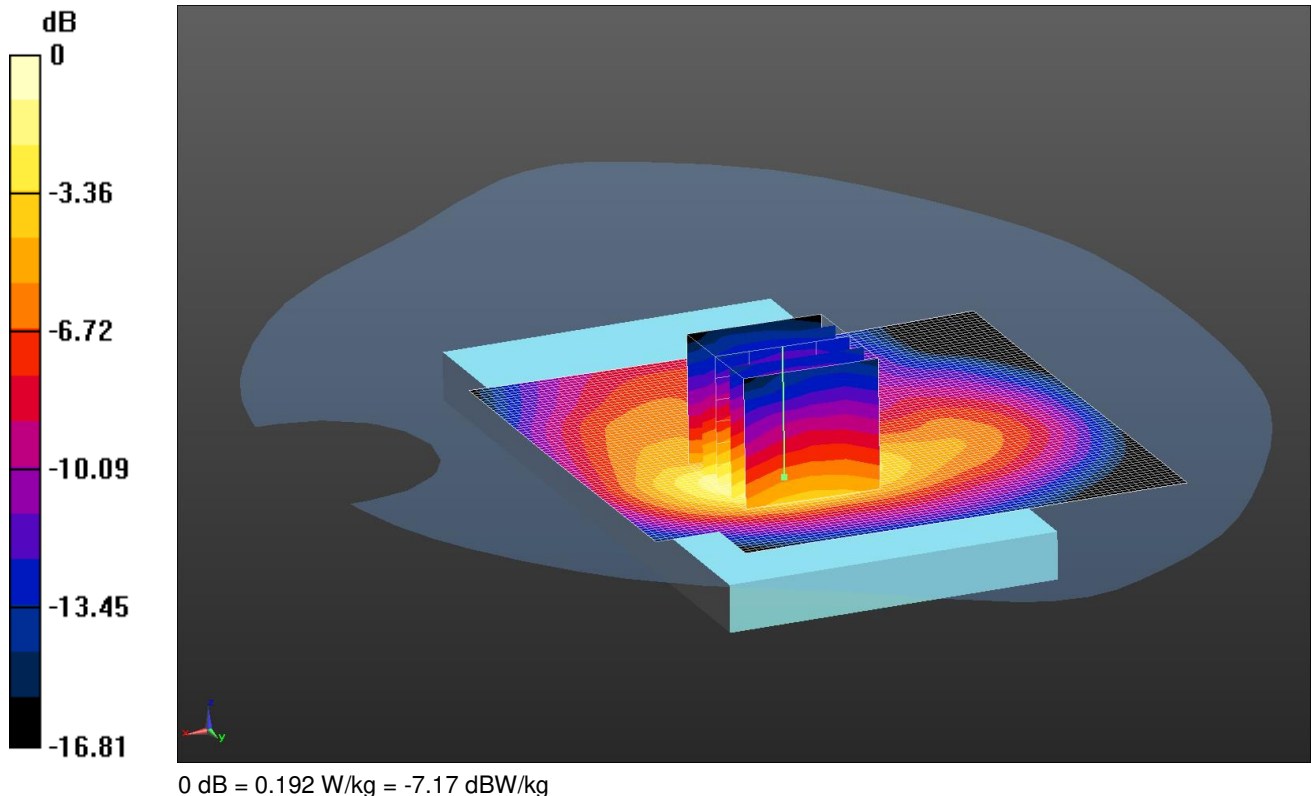
Peak SAR (extrapolated) = 0.792 W/kg

SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.214 W/kg

Maximum value of SAR (measured) = 0.489 W/kg

Date: 20/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: UID 0, Generic GSM (0); Frequency: 1909.8 MHz; Duty Cycle: 1:8.30042

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.571$ S/m; $\epsilon_r = 50.954$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.84, 7.84, 7.84); Calibrated: 26/04/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn450; Calibrated: 28/09/2015
- Phantom: SAM 1-2 (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1817
- ; SEMCAD X Version 14.6.10 (7372)

Configuration/Back - Bodyworn - PBx 2/Area Scan 2 2 (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.181 W/kg

Configuration/Back - Bodyworn - PBx 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.321 V/m; Power Drift = -0.05 dB

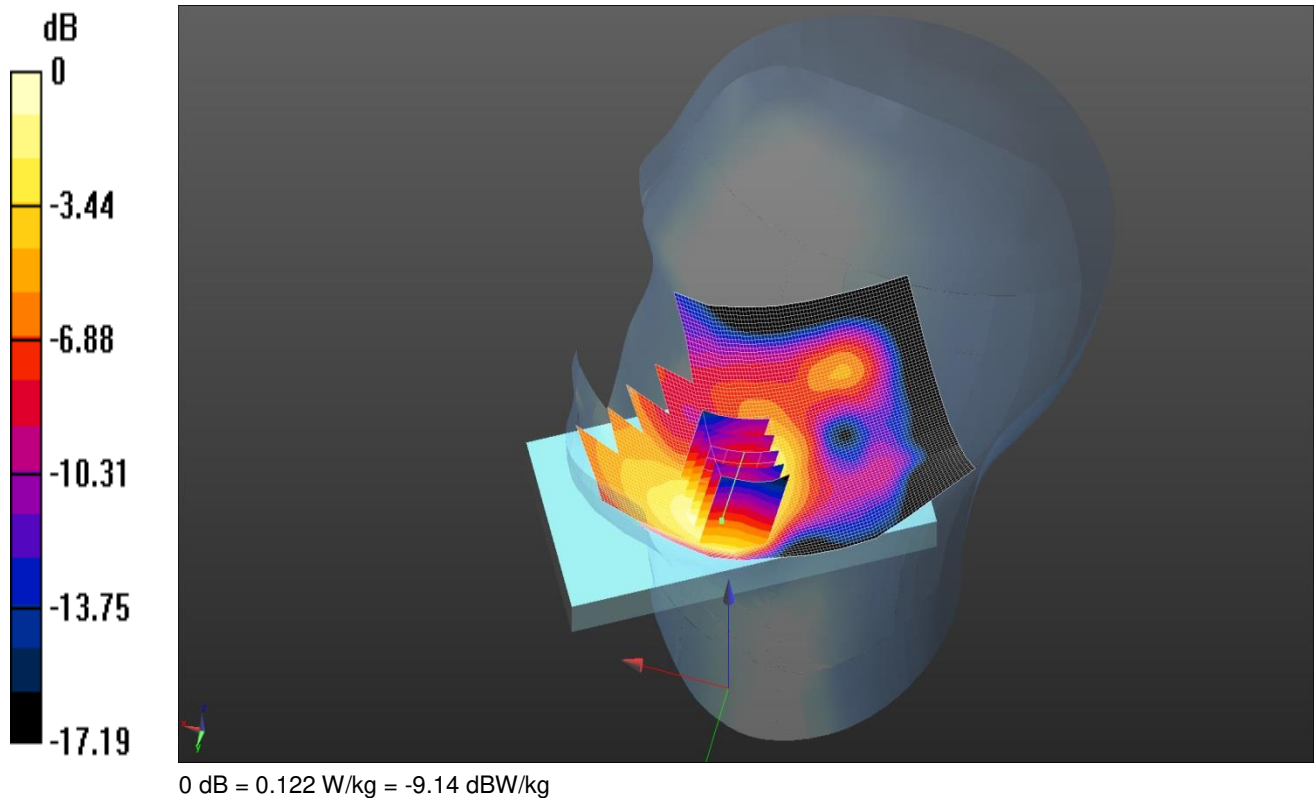
Peak SAR (extrapolated) = 0.292 W/kg

SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.095 W/kg

Maximum value of SAR (measured) = 0.192 W/kg

Date: 16/4/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: UID 0, UMTS FDD (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: 1900 HSL Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.383$ S/m; $\epsilon_r = 40.012$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(5.07, 5.07, 5.07); Calibrated: 25/8/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/2/2016
- Phantom: SAM A (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1836
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Touch Right - Head - PB0/Area Scan 2 2 (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.127 W/kg

Configuration/Touch Right - Head - PB0/Zoom Scan (7x7x7) 2 2 (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.761 V/m; Power Drift = -0.01 dB

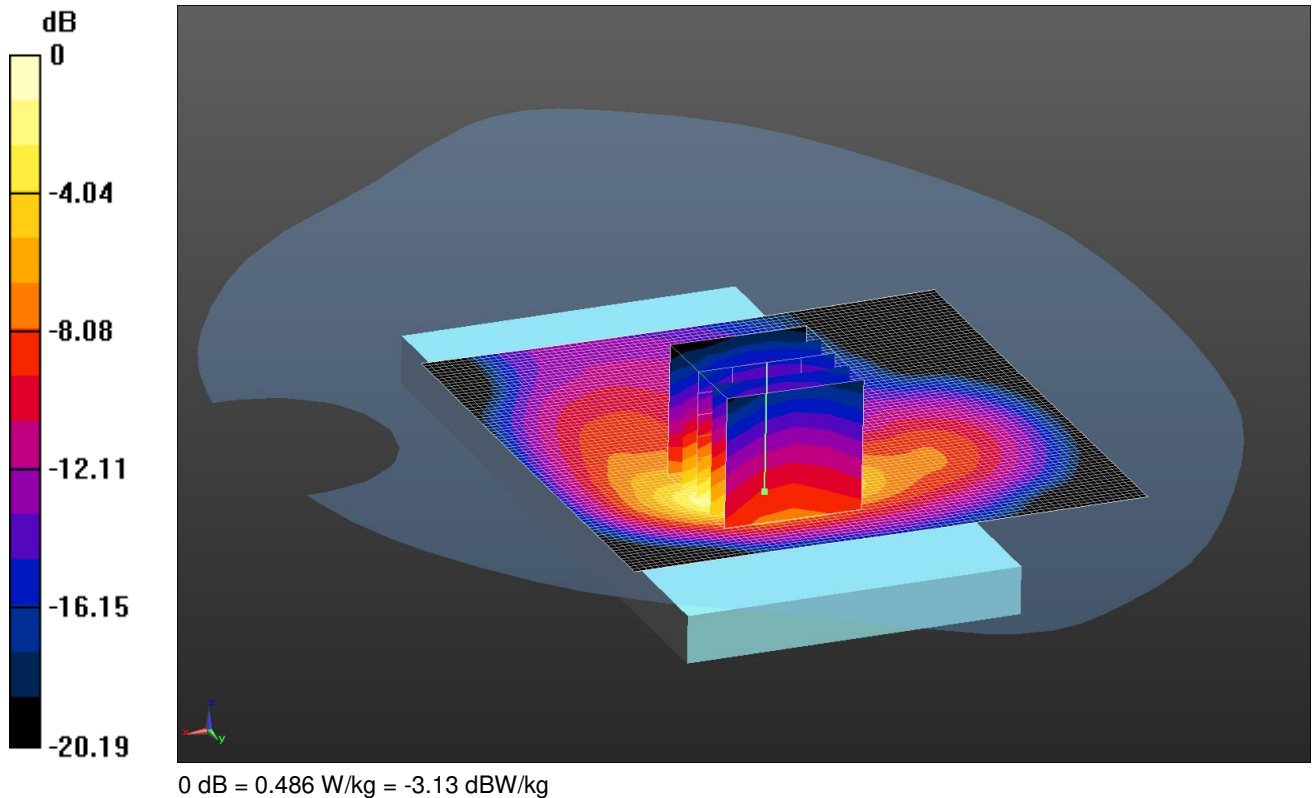
Peak SAR (extrapolated) = 0.172 W/kg

SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.071 W/kg

Maximum value of SAR (measured) = 0.122 W/kg

Date: 17/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: UID 0, UMTS FDD (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.543$ S/m; $\epsilon_r = 51.646$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.84, 7.84, 7.84); Calibrated: 26/04/2016;

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1435; Calibrated: 12/02/2016

- Phantom: SAM 1-2 (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1817

- ; SEMCAD X Version 14.6.10 (7372)

Configuration/Back - Hotspot - PB1/Area Scan (81x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

Configuration/Back - Hotspot - PB1/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.045 V/m; Power Drift = 0.11 dB

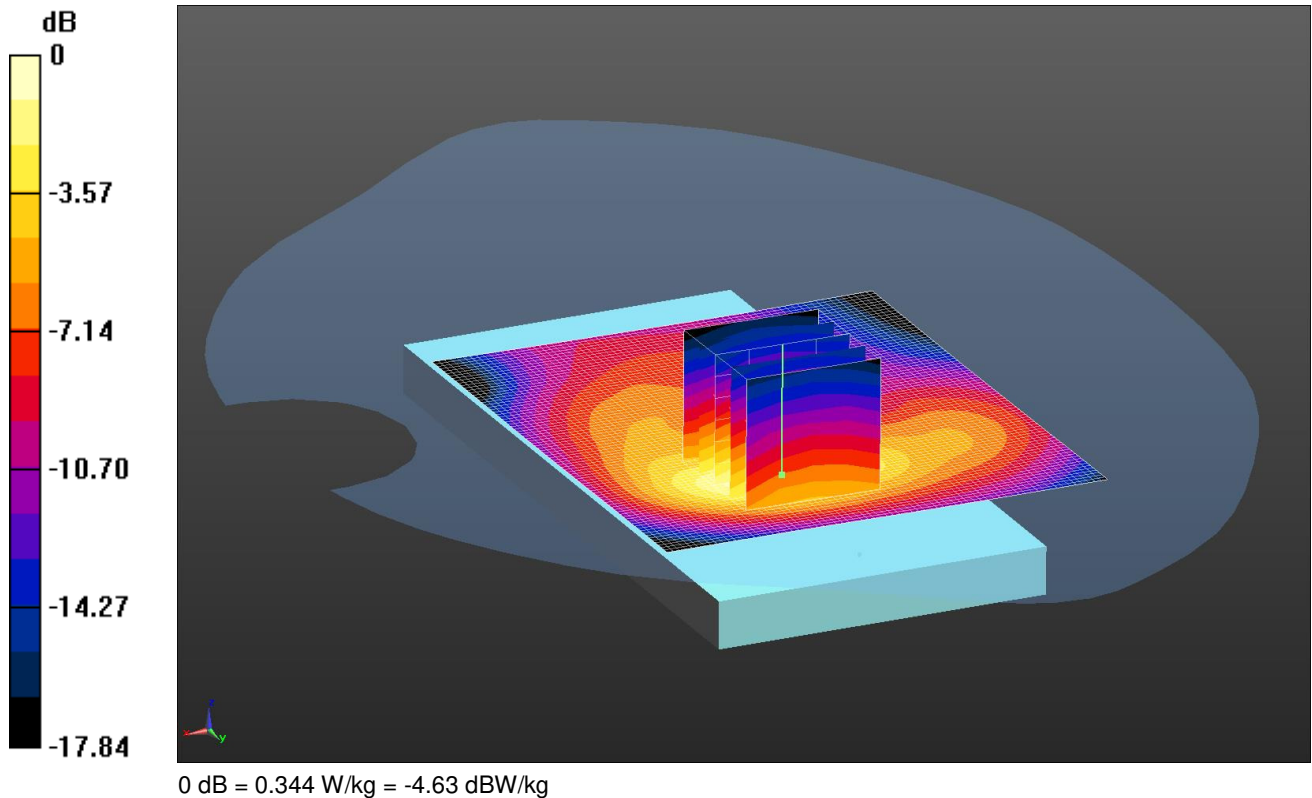
Peak SAR (extrapolated) = 0.803 W/kg

SAR(1 g) = 0.417 W/kg; SAR(10 g) = 0.200 W/kg

Maximum value of SAR (measured) = 0.486 W/kg

Date: 17/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: UID 0, UMTS FDD (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.543$ S/m; $\epsilon_r = 51.646$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.84, 7.84, 7.84); Calibrated: 26/04/2016;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/02/2016
- Phantom: SAM 1-2 (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1817
- ; SEMCAD X Version 14.6.10 (7372)

Configuration/Back - Bodyworn - PB0/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.339 W/kg

Configuration/Back - Bodyworn - PB0/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.431 V/m; Power Drift = -0.00 dB

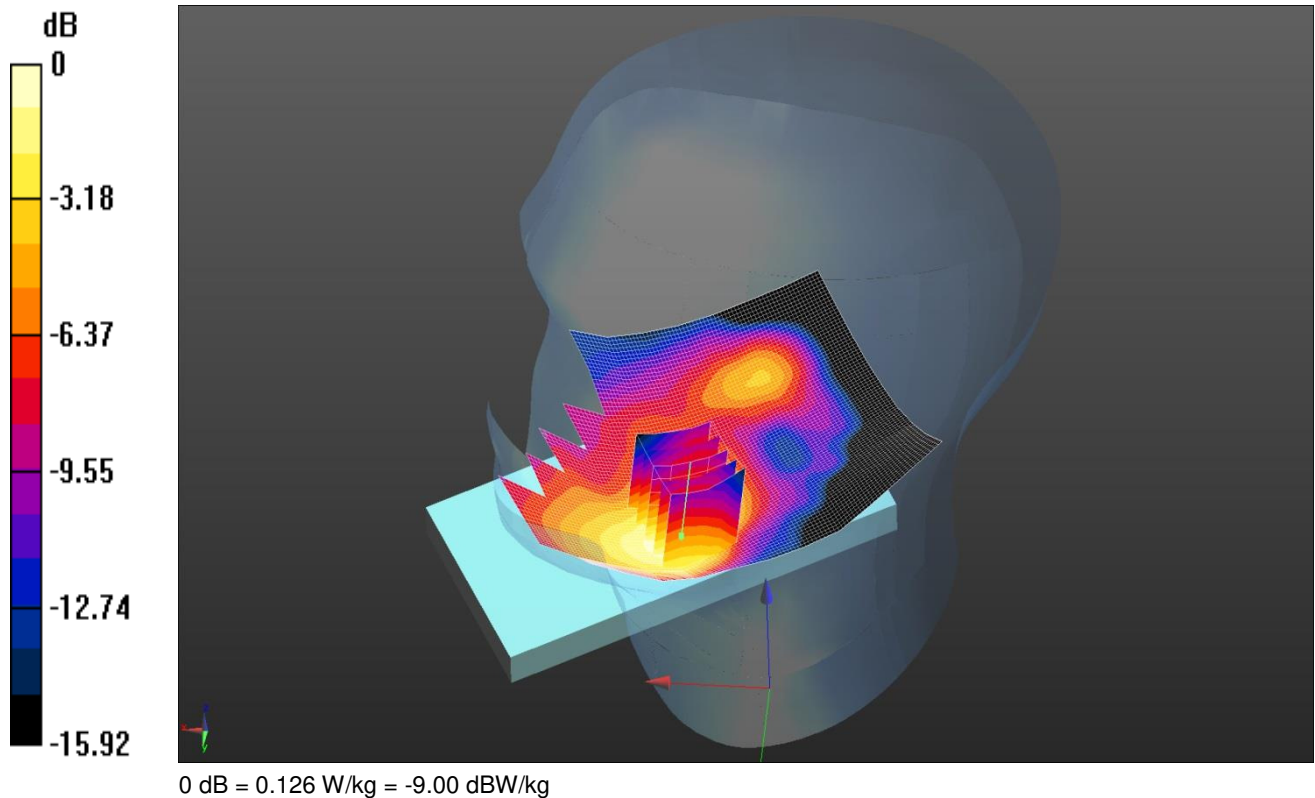
Peak SAR (extrapolated) = 0.530 W/kg

SAR(1 g) = 0.305 W/kg; SAR(10 g) = 0.166 W/kg

Maximum value of SAR (measured) = 0.344 W/kg

Date: 26/4/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: UID 0, UMTS FDD (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: 1800 MHz HSL Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.295$ S/m; $\epsilon_r = 40.845$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(5.27, 5.27, 5.27); Calibrated: 25/8/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/2/2016
- Phantom: SAM A (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1836
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Touch Right - Head - PB0/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.127 W/kg

Configuration/Touch Right - Head - PB0/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.179 V/m; Power Drift = 0.05 dB

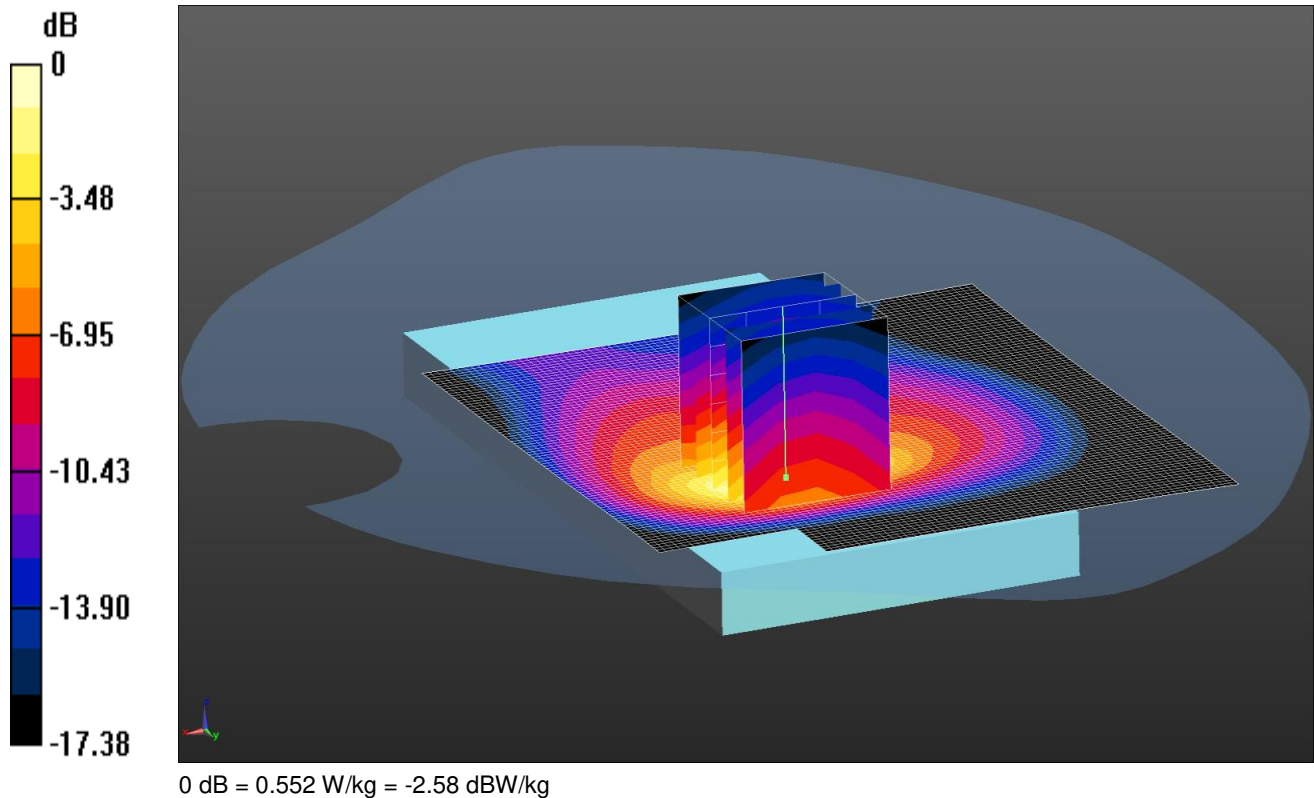
Peak SAR (extrapolated) = 0.162 W/kg

SAR(1 g) = 0.111 W/kg; SAR(10 g) = 0.072 W/kg

Maximum value of SAR (measured) = 0.126 W/kg

Date: 27/4/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: UID 0, UMTS FDD (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: 1800 MHz MSL Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.486$ S/m; $\epsilon_r = 52.788$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(4.93, 4.93, 4.93); Calibrated: 25/8/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/2/2016
- Phantom: SAM B (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1836
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Back - Hotspot - PB1/Area Scan 2 2 (81x91x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.558 W/kg

Configuration/Back - Hotspot - PB1/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 17.36 V/m; Power Drift = 0.02 dB

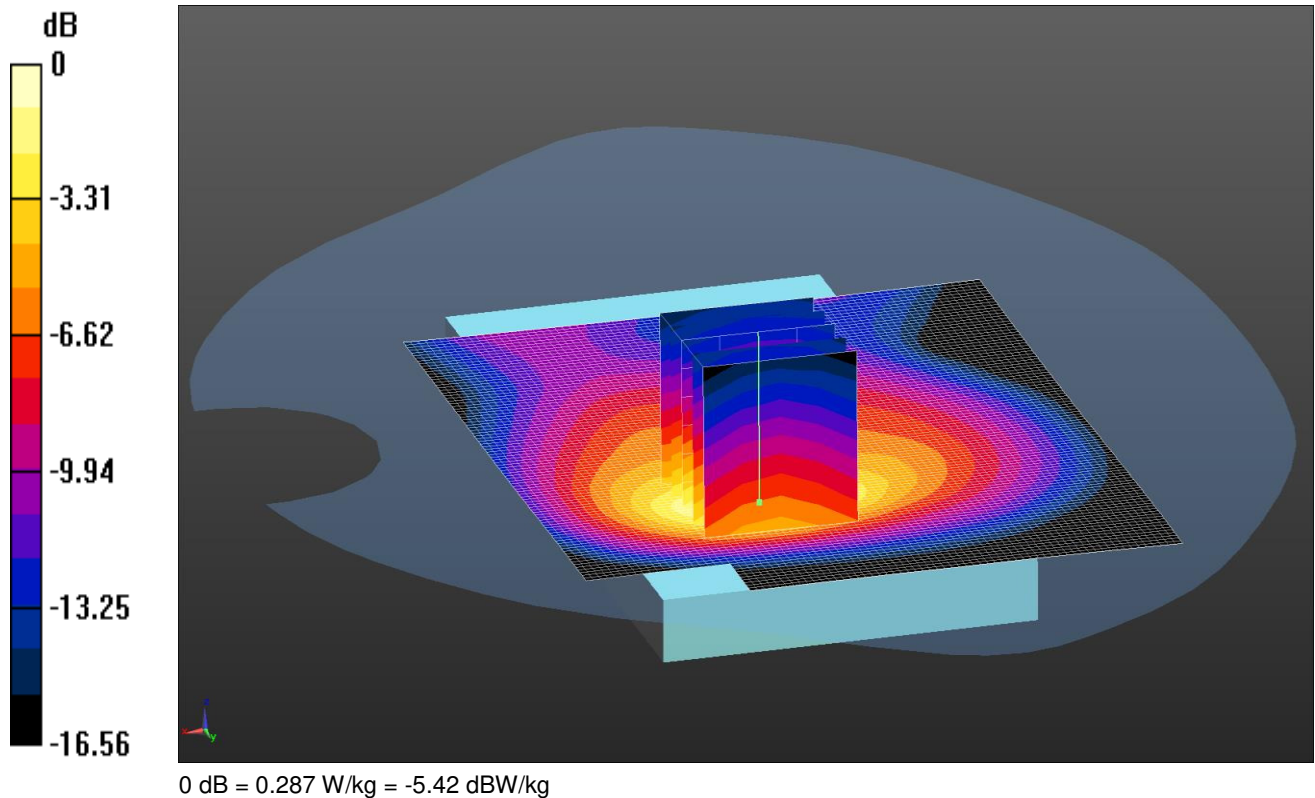
Peak SAR (extrapolated) = 0.886 W/kg

SAR(1 g) = 0.481 W/kg; SAR(10 g) = 0.244 W/kg

Maximum value of SAR (measured) = 0.552 W/kg

Date: 28/4/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



Communication System: UID 0, UMTS FDD (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: 1800 MHz MSL Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.486$ S/m; $\epsilon_r = 52.788$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3341; ConvF(4.93, 4.93, 4.93); Calibrated: 25/8/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 12/2/2016
- Phantom: SAM B (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1836
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Back - Bodyworn - PB0/Area Scan 2 2 (81x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.291 W/kg

Configuration/Back - Bodyworn - PB0/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.30 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.437 W/kg

SAR(1 g) = 0.256 W/kg; SAR(10 g) = 0.143 W/kg

Maximum value of SAR (measured) = 0.287 W/kg