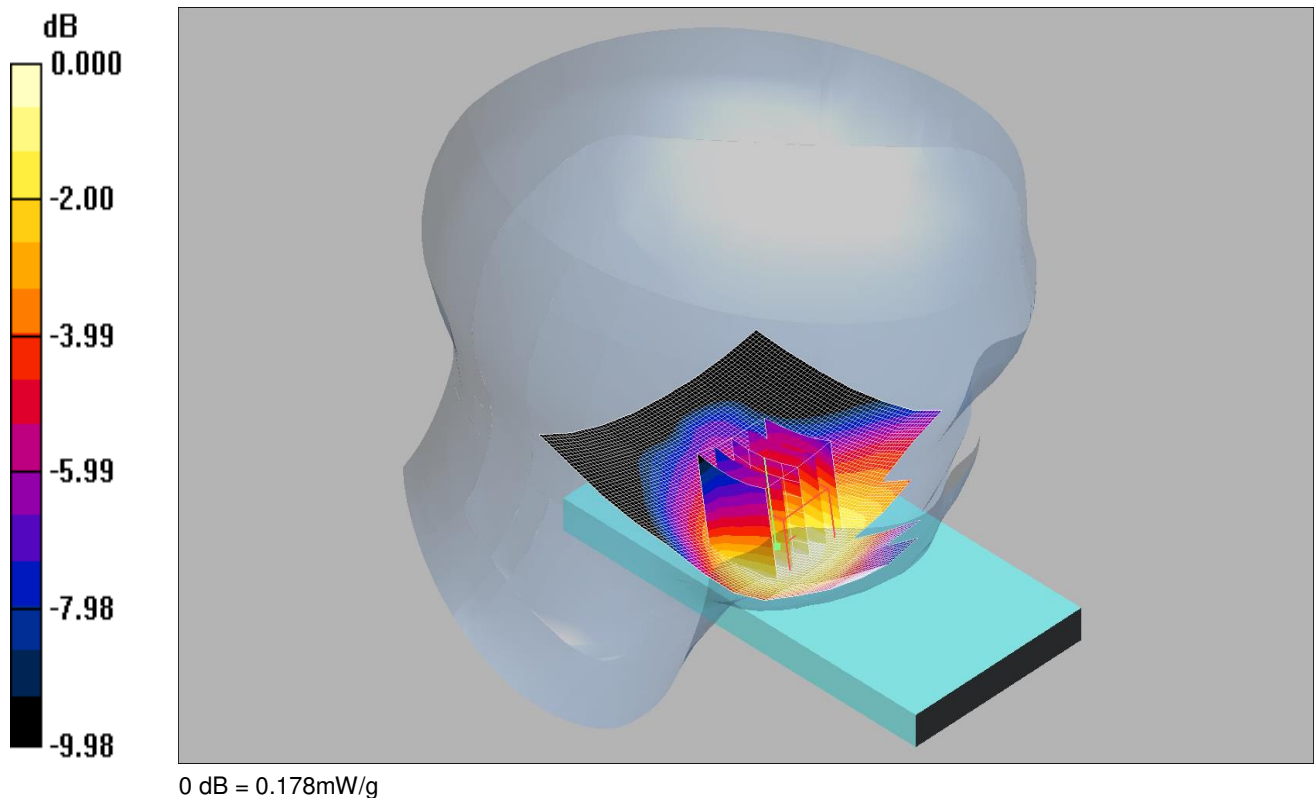


Date: 21/04/2016



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/m<sup>3</sup>

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) = 0.183 mW/g

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

Reference Value = 4.76 V/m; Power Drift = 0.067 dB

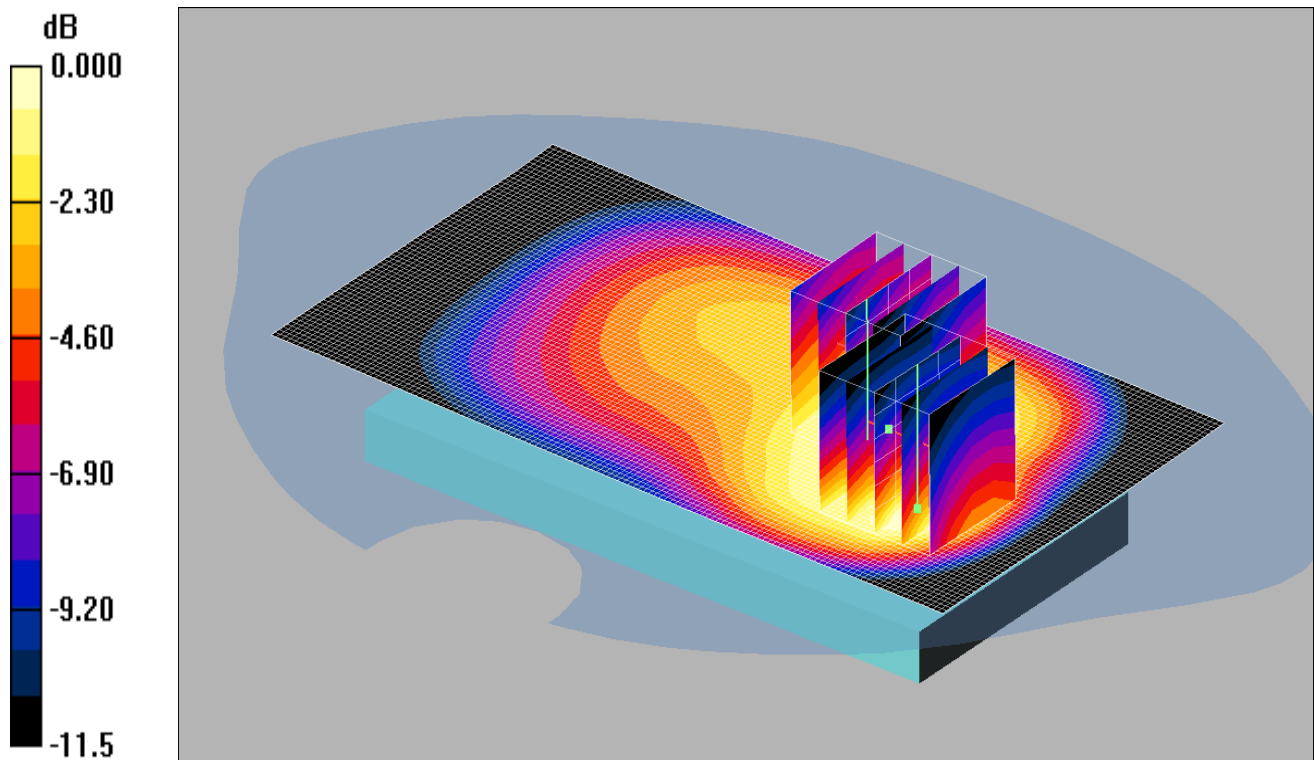
Peak SAR (extrapolated) = 0.218 W/kg

**SAR(1 g) = 0.161 mW/g; SAR(10 g) = 0.123 mW/g**

Maximum value of SAR (measured) = 0.178 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/m<sup>3</sup>

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 (71x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.764 mW/g

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

Reference Value = 19.0 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 1.37 W/kg

**SAR(1 g) = 0.603 mW/g; SAR(10 g) = 0.341 mW/g**

Maximum value of SAR (measured) = 0.740 mW/g

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

Reference Value = 19.0 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 0.802 W/kg

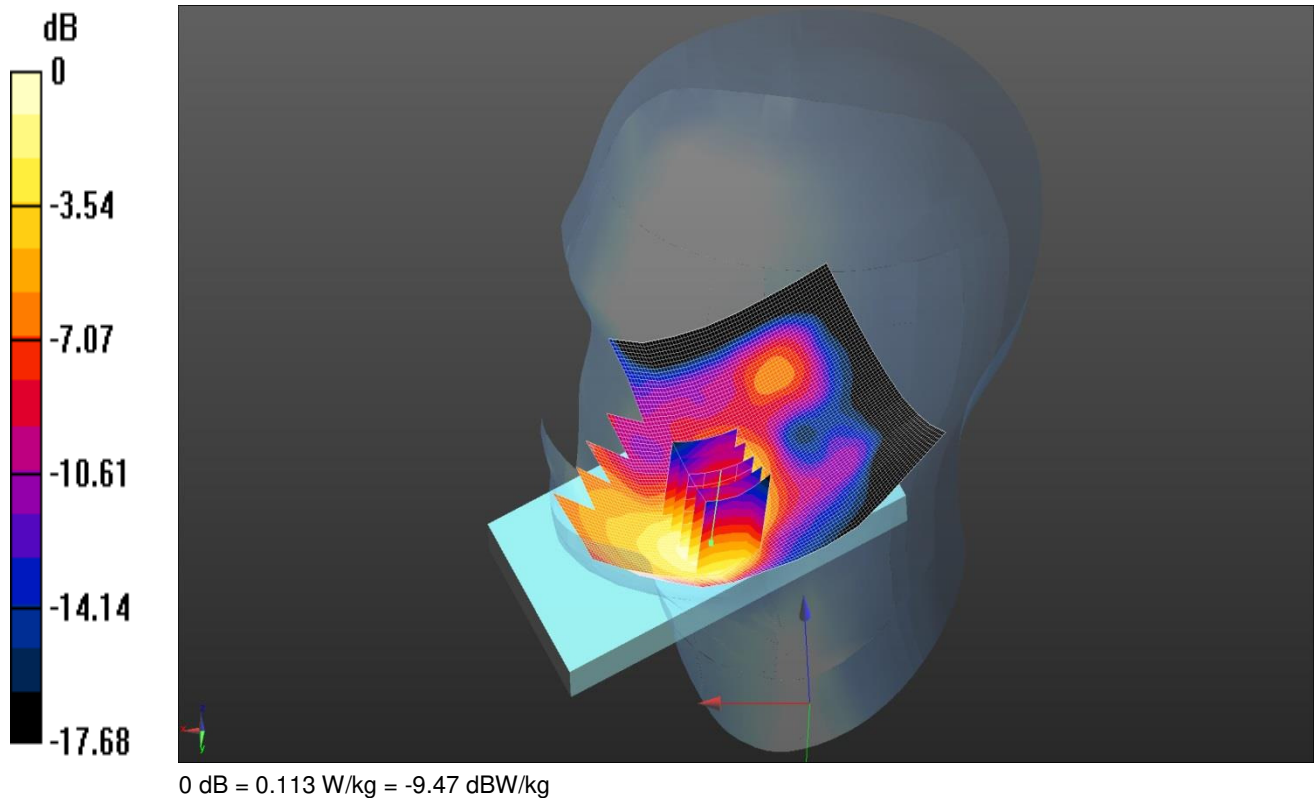
**SAR(1 g) = 0.544 mW/g; SAR(10 g) = 0.382 mW/g**

Maximum value of SAR (measured) = 0.621 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; FCC ID: 2AIP8I



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/m<sup>3</sup>

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) = 0.115 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 = 9.061 V/m; Power Drift = 0.07 dB

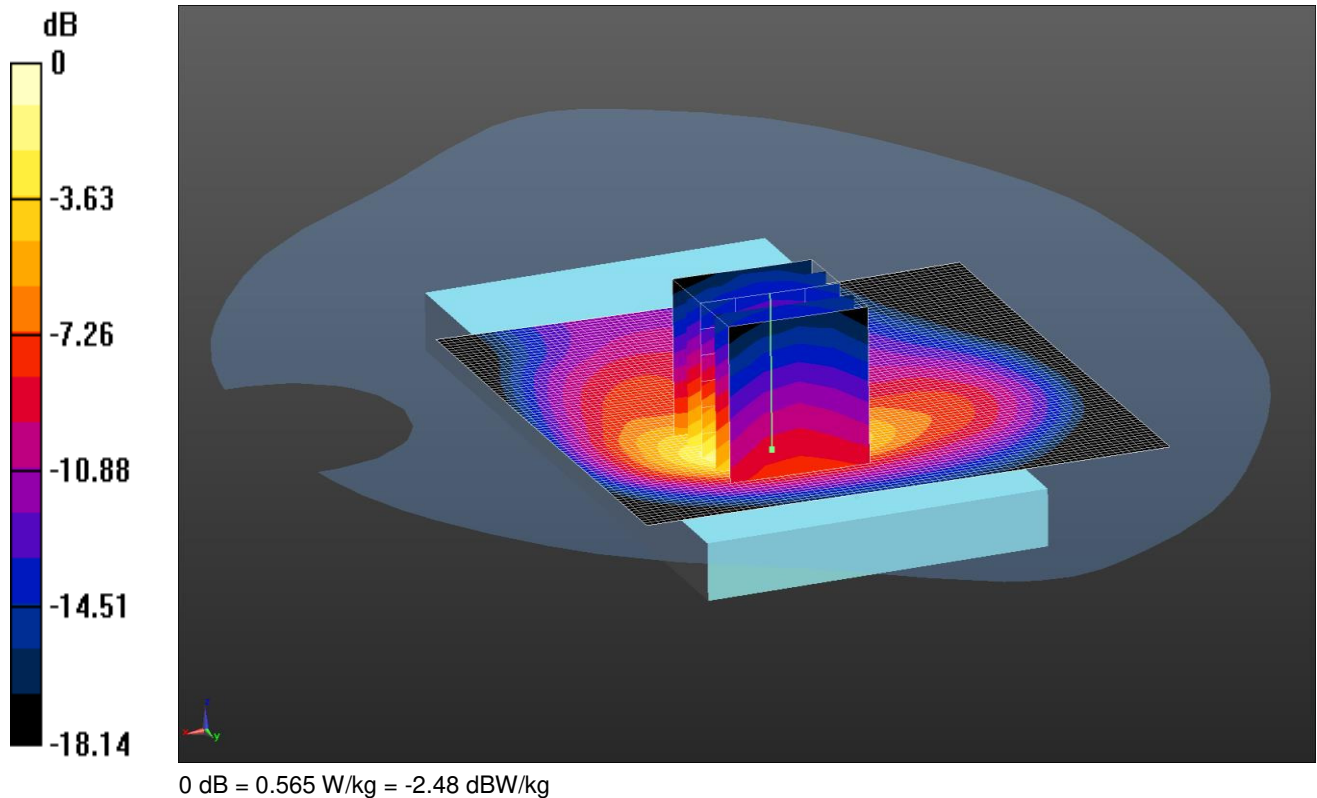
Peak SAR (extrapolated) = 0.162 W/kg

**SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.066 W/kg**

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

Date: 5/5/2016

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



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/m<sup>3</sup>

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) = 0.524 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 = 13.53 V/m; Power Drift = -0.09 dB

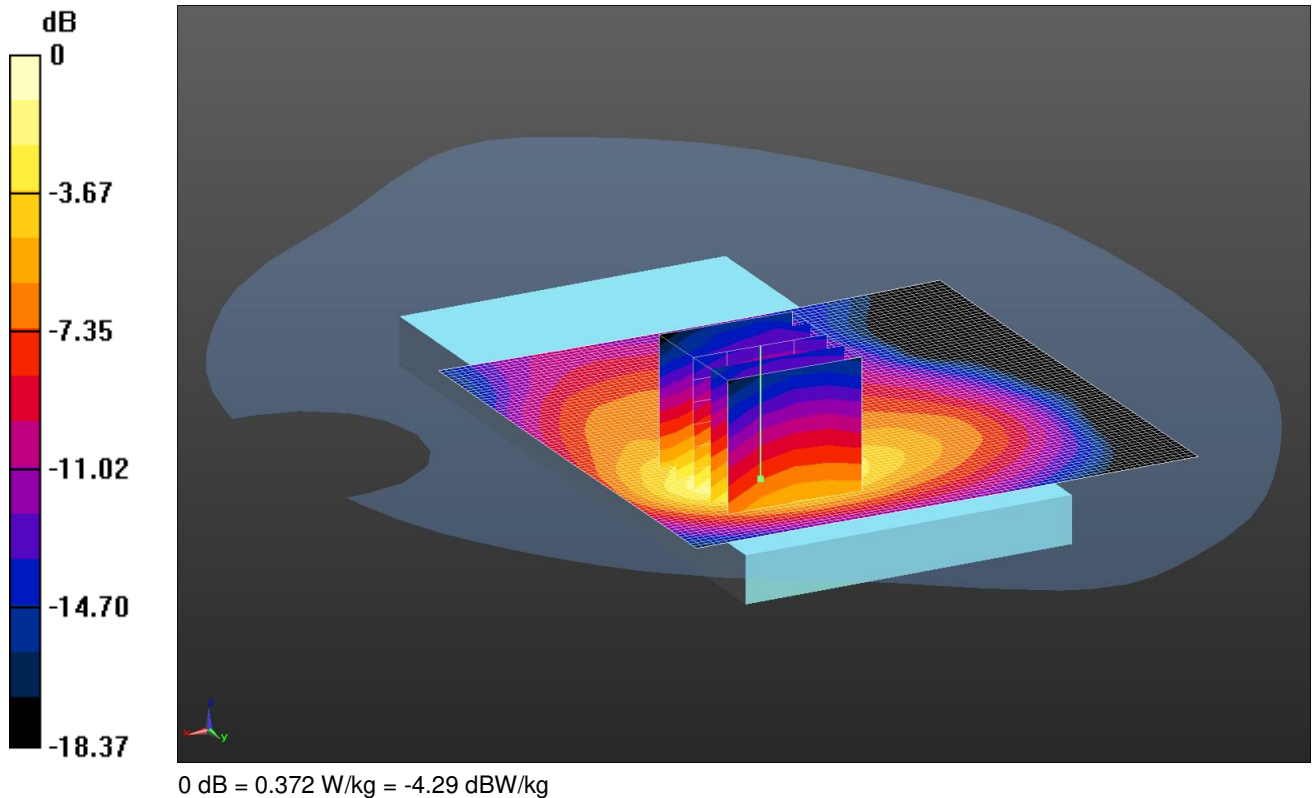
Peak SAR (extrapolated) = 0.924 W/kg

**SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.251 W/kg**

Maximum value of SAR (measured) = 0.565 W/kg

Date: 16/05/2016

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



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/m<sup>3</sup>  
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 2/Area Scan (81x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.361 W/kg

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

Reference Value = 13.53 V/m; Power Drift = -0.07 dB

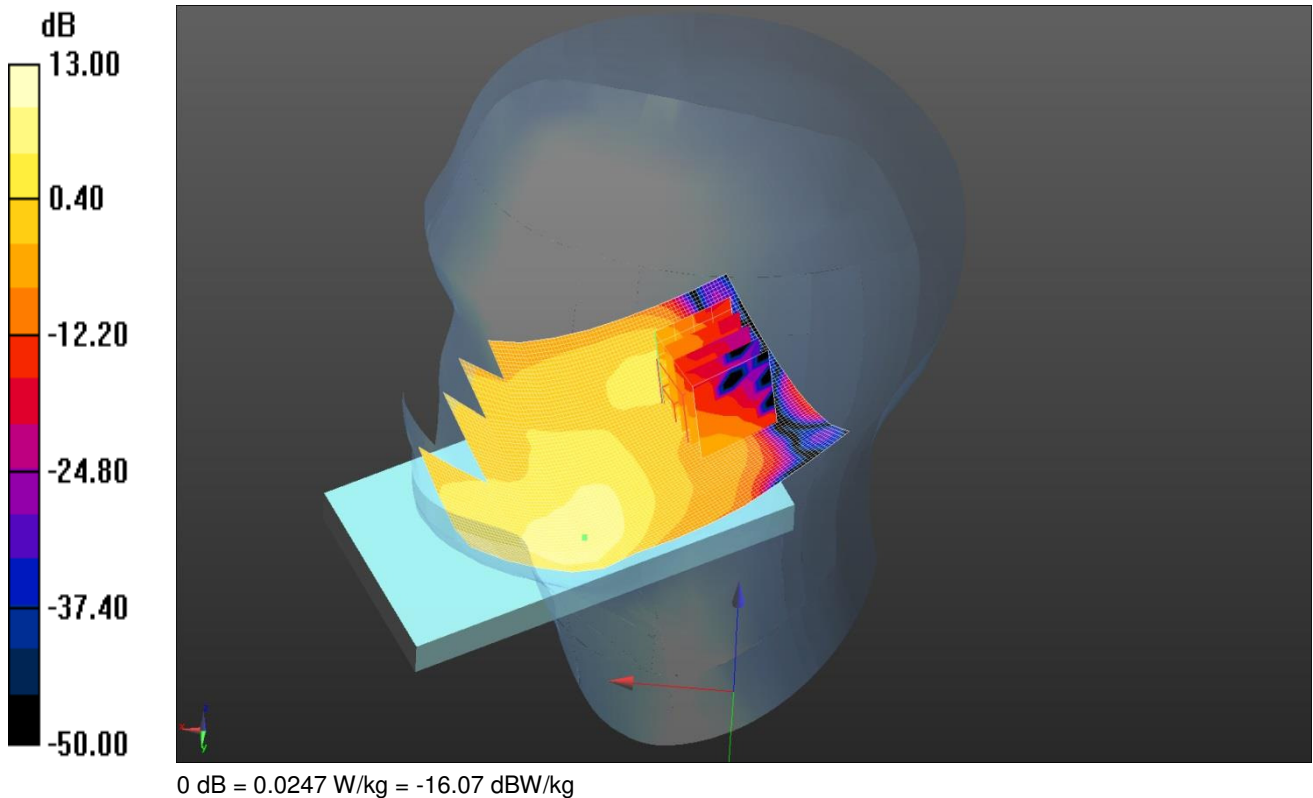
Peak SAR (extrapolated) = 0.559 W/kg

**SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.183 W/kg**

Maximum value of SAR (measured) = 0.372 W/kg

Date: 26/4/2016

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/m<sup>3</sup>  
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) = 0.123 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 = 2.167 V/m; Power Drift = -0.05 dB

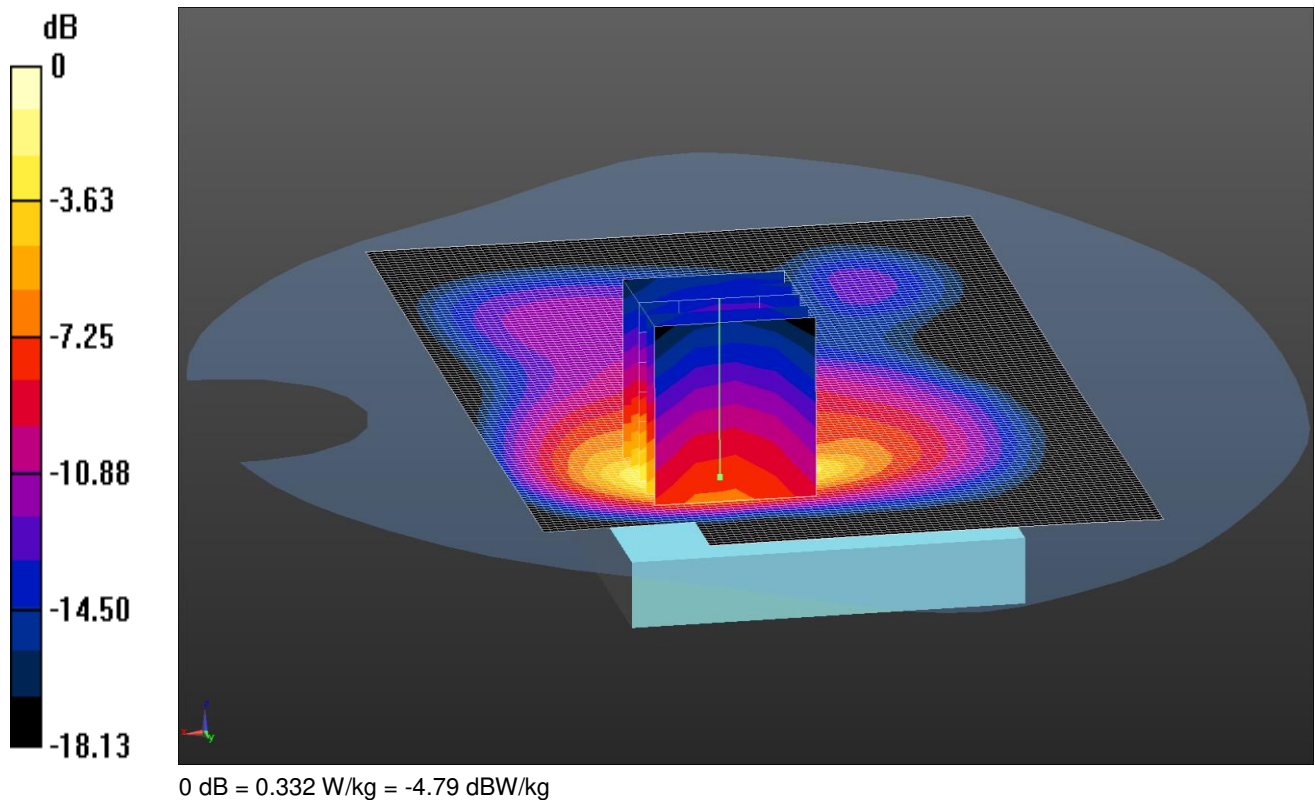
Peak SAR (extrapolated) = 0.0310 W/kg

**SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.00657 W/kg**

Maximum value of SAR (measured) = 0.0247 W/kg

Date: 3/5/2016

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



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/m<sup>3</sup>

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/Area Scan (81x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.319 W/kg

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

Reference Value = 14.83 V/m; Power Drift = 0.04 dB

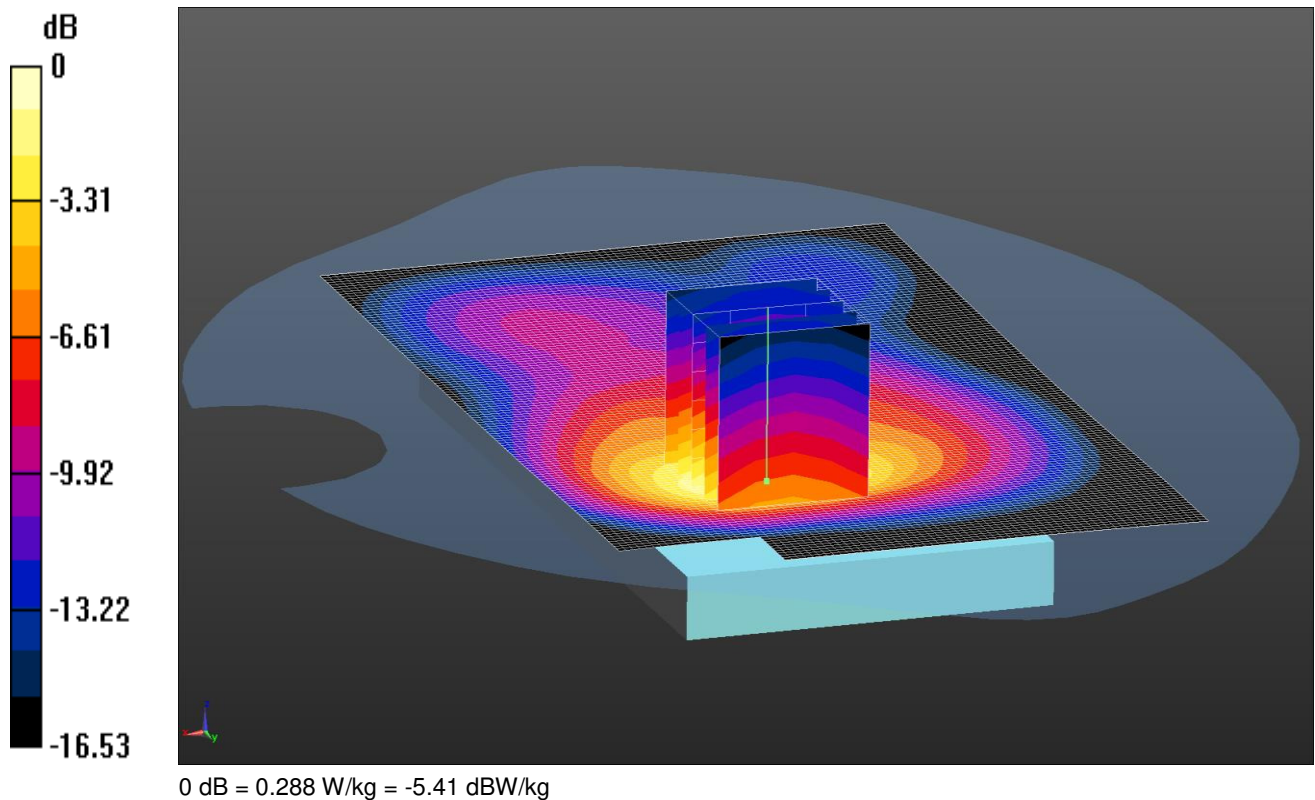
Peak SAR (extrapolated) = 0.530 W/kg

**SAR(1 g) = 0.289 W/kg; SAR(10 g) = 0.147 W/kg**

Maximum value of SAR (measured) = 0.332 W/kg

Date: 28/4/2016

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 MSL Medium parameters used (interpolated):  $f = 1745$  MHz;  $\sigma = 1.48$  S/m;  $\epsilon_r = 52.804$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
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) = 0.283 W/kg

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

Reference Value = 13.91 V/m; Power Drift = -0.00 dB

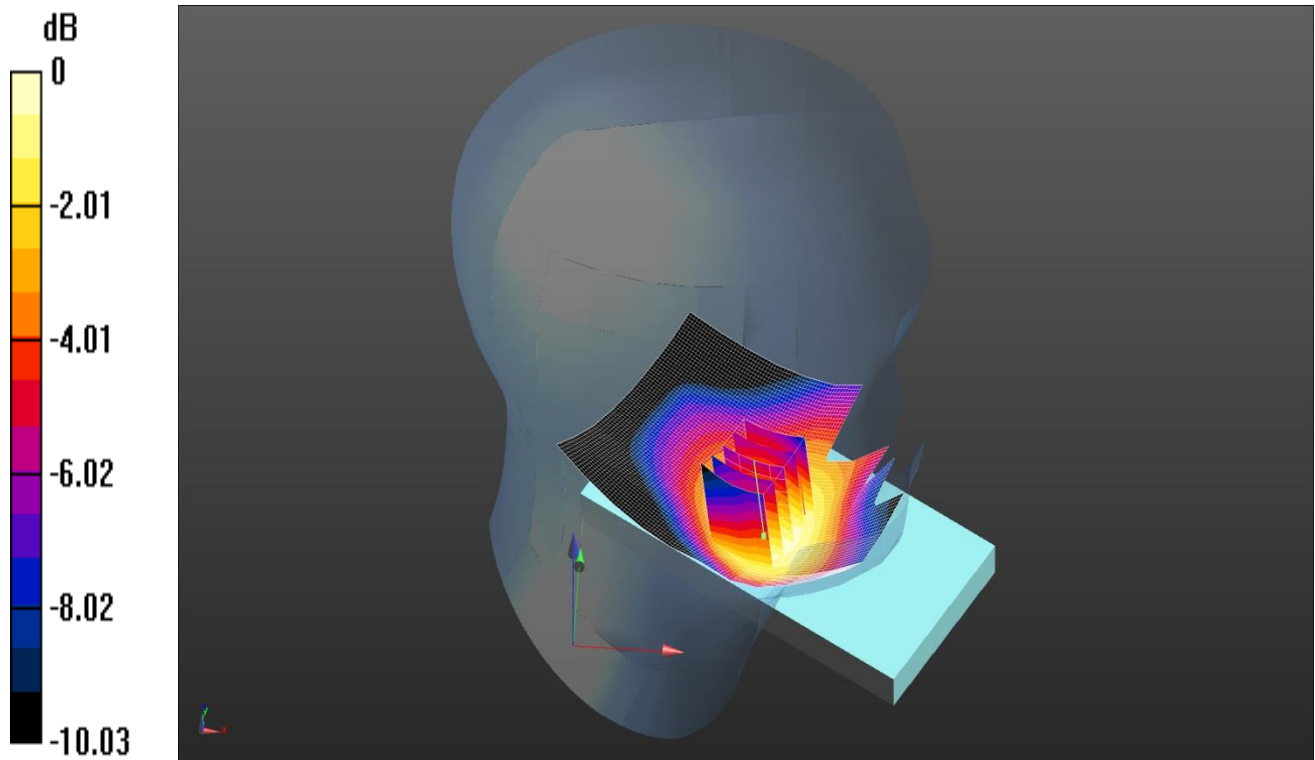
Peak SAR (extrapolated) = 0.436 W/kg

**SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.144 W/kg**

Maximum value of SAR (measured) = 0.288 W/kg

Date: 21/4/2016

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



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/m<sup>3</sup>  
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) = 0.132 W/kg

**Configuration/Touch Left 1RB Middle - Head - PBx/Zoom Scan (5x5x7) 2 2 2 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.206 V/m; Power Drift = 0.01 dB

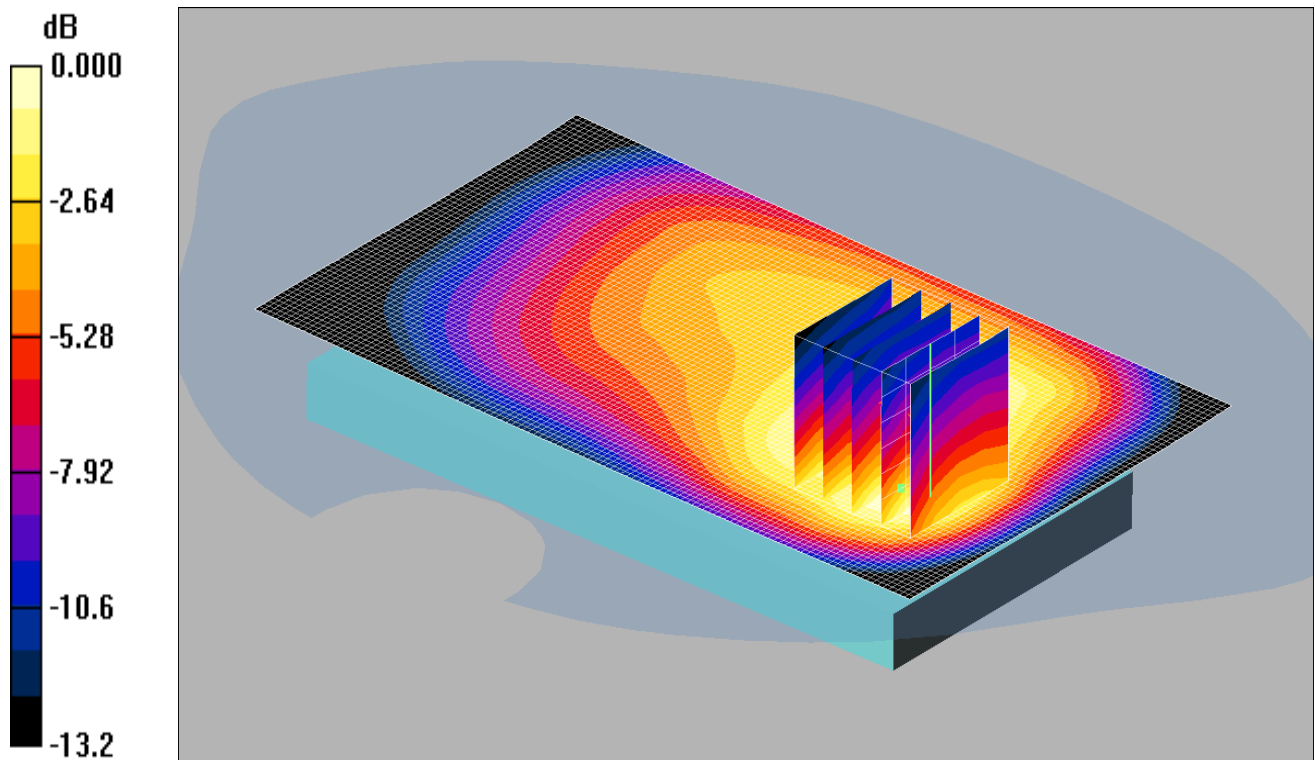
Peak SAR (extrapolated) = 0.150 W/kg

**SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.091 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**



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/m<sup>3</sup>

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) = 0.501 mW/g

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

Reference Value = 15.6 V/m; Power Drift = -0.055 dB

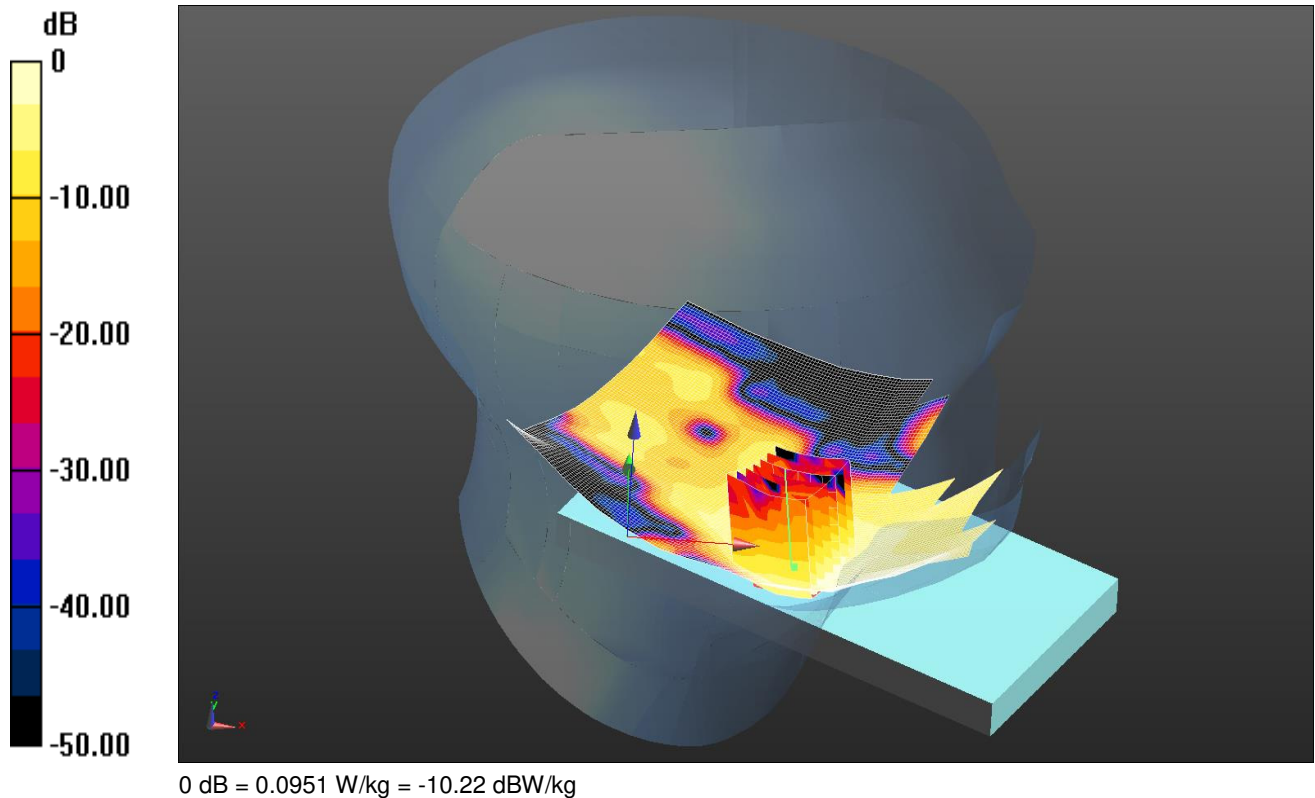
Peak SAR (extrapolated) = 0.823 W/kg

**SAR(1 g) = 0.394 mW/g; SAR(10 g) = 0.231 mW/g**

Maximum value of SAR (measured) = 0.475 mW/g

Date: 26/04/2016

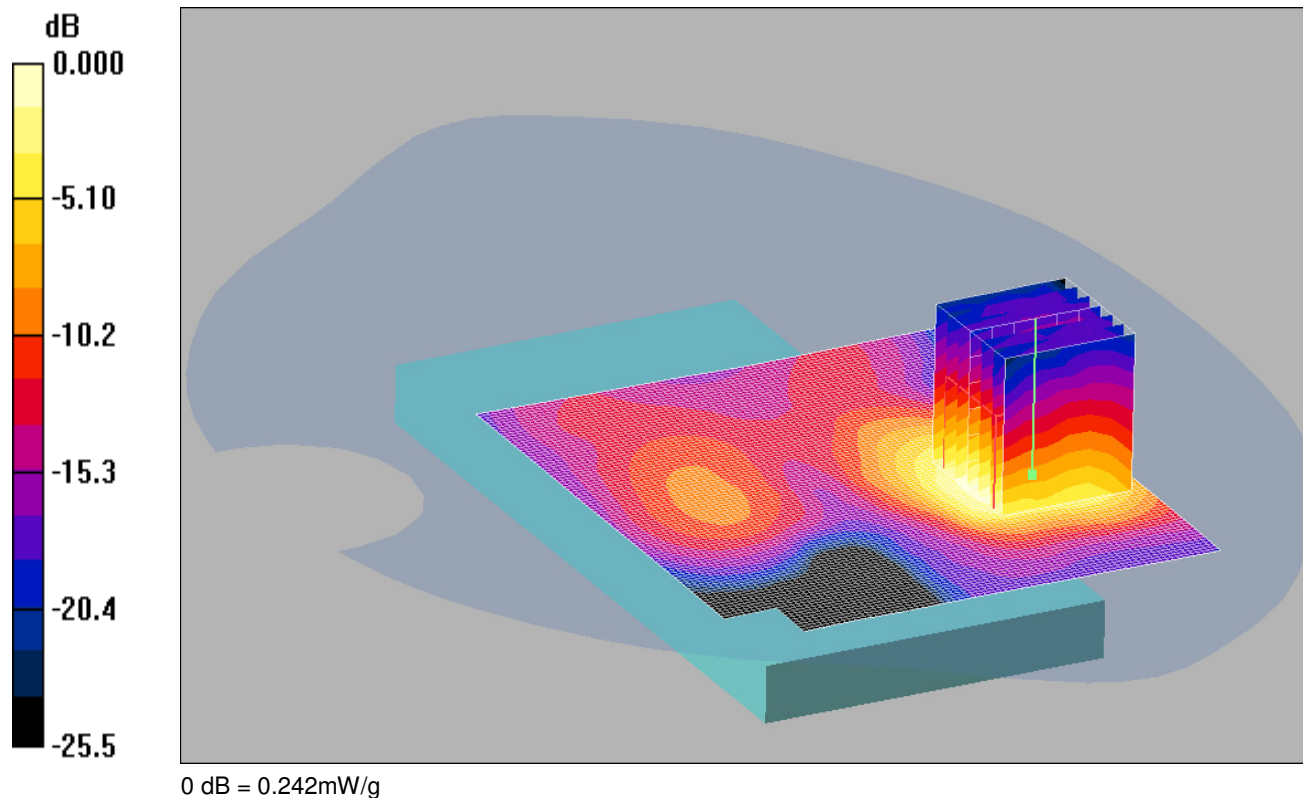
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



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/m<sup>3</sup>  
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) = 0.0754 W/kg  
**Configuration/Touch Left 1RB Low - Head - PB0/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 3.074 V/m; Power Drift = 0.79 dB  
Peak SAR (extrapolated) = 0.141 W/kg  
**SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.033 W/kg**  
Maximum value of SAR (measured) = 0.0951 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/m<sup>3</sup>  
Phantom section: Flat Section

DASY4 Configuration:

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

- Sensor-Surface: 4mm (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 2 (91x101x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.246 mW/g

**Back - Hotspot - PB1/Zoom Scan (7x7x7) 2 (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.99 V/m; Power Drift = -0.007 dB

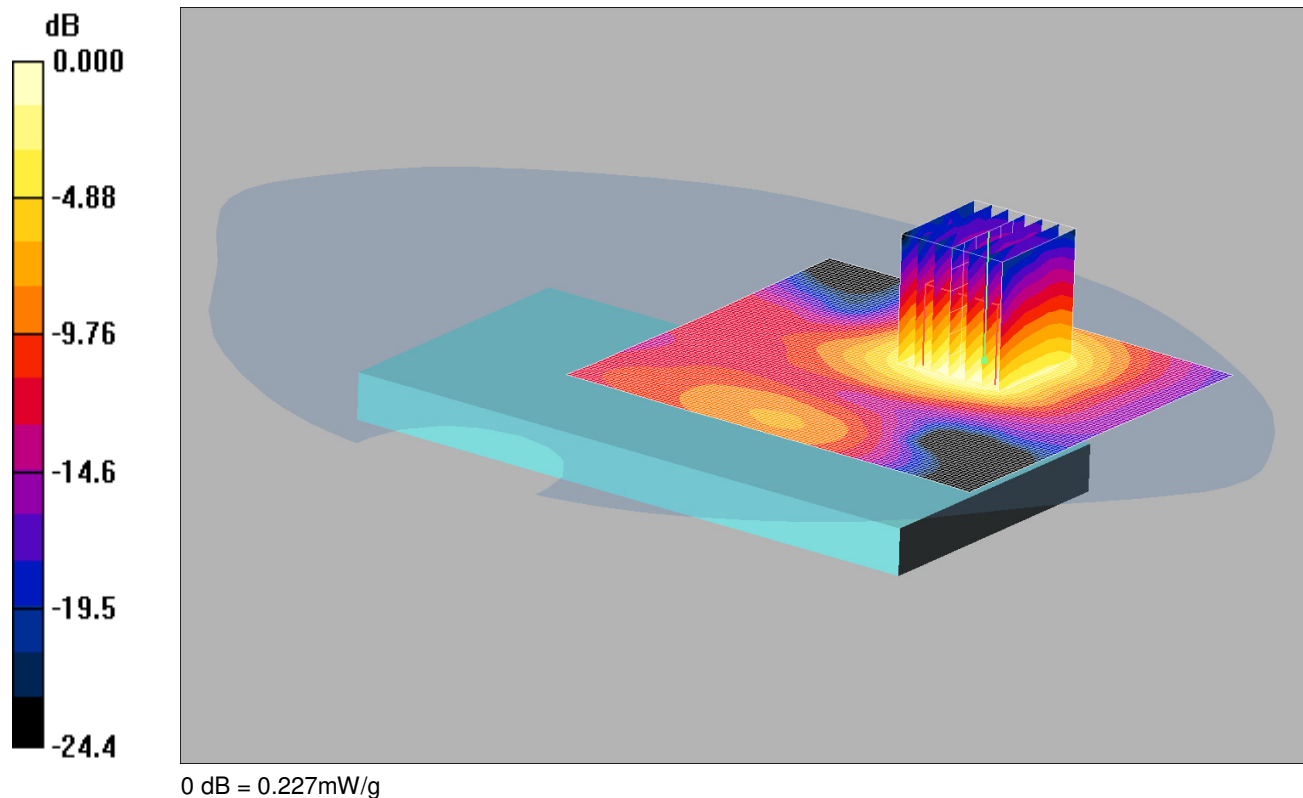
Peak SAR (extrapolated) = 0.479 W/kg

**SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.115 mW/g**

Maximum value of SAR (measured) = 0.242 mW/g

Date: 11/05/2016

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/m<sup>3</sup>  
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 2/Area Scan (91x101x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.222 mW/g

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

Reference Value = 9.39 V/m; Power Drift = 0.140 dB

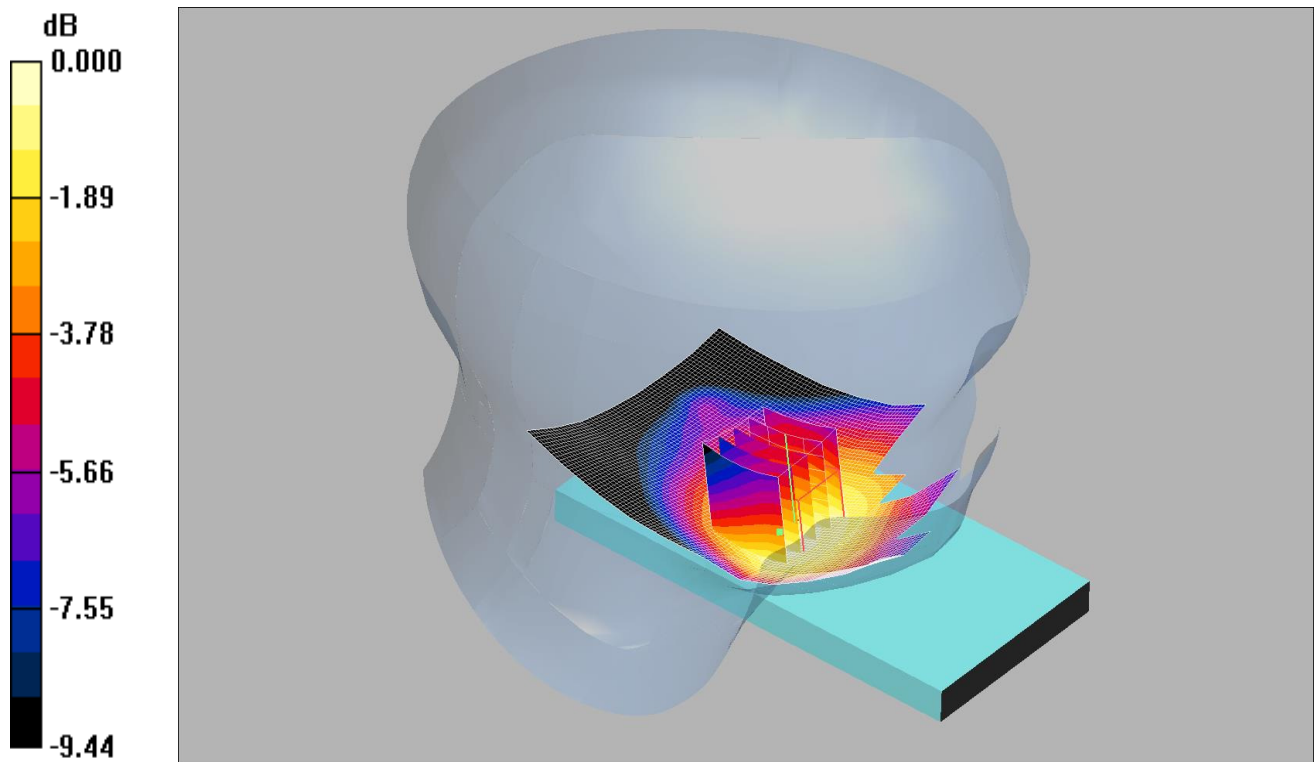
Peak SAR (extrapolated) = 0.369 W/kg

**SAR(1 g) = 0.181 mW/g; SAR(10 g) = 0.095 mW/g**

Maximum value of SAR (measured) = 0.227 mW/g

Date: 16/04/2016

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



0 dB = 0.041mW/g

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/m<sup>3</sup>

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) = 0.040 mW/g

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

Reference Value = 2.40 V/m; Power Drift = -0.094 dB

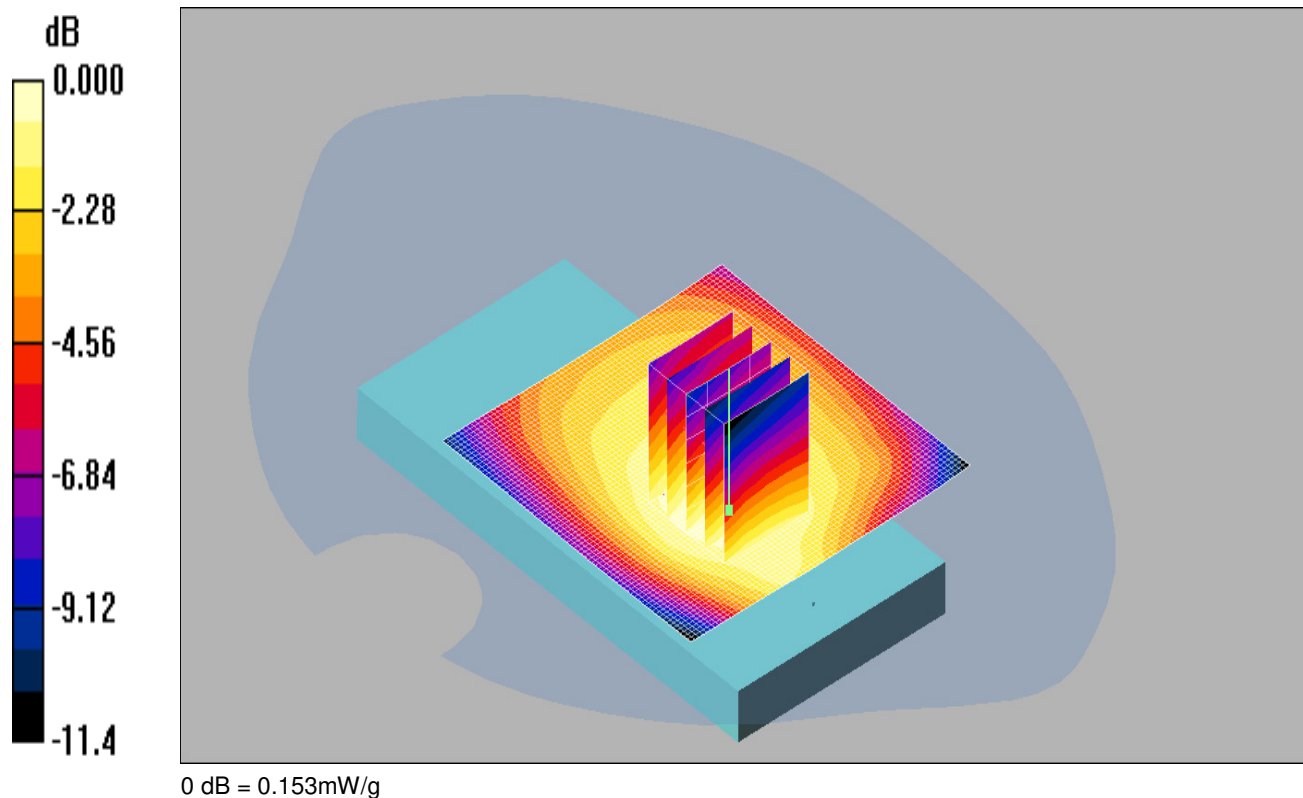
Peak SAR (extrapolated) = 0.049 W/kg

**SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.029 mW/g**

Maximum value of SAR (measured) = 0.041 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/m<sup>3</sup>  
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) = 0.148 mW/g

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

Reference Value = 10.9 V/m; Power Drift = -0.024 dB

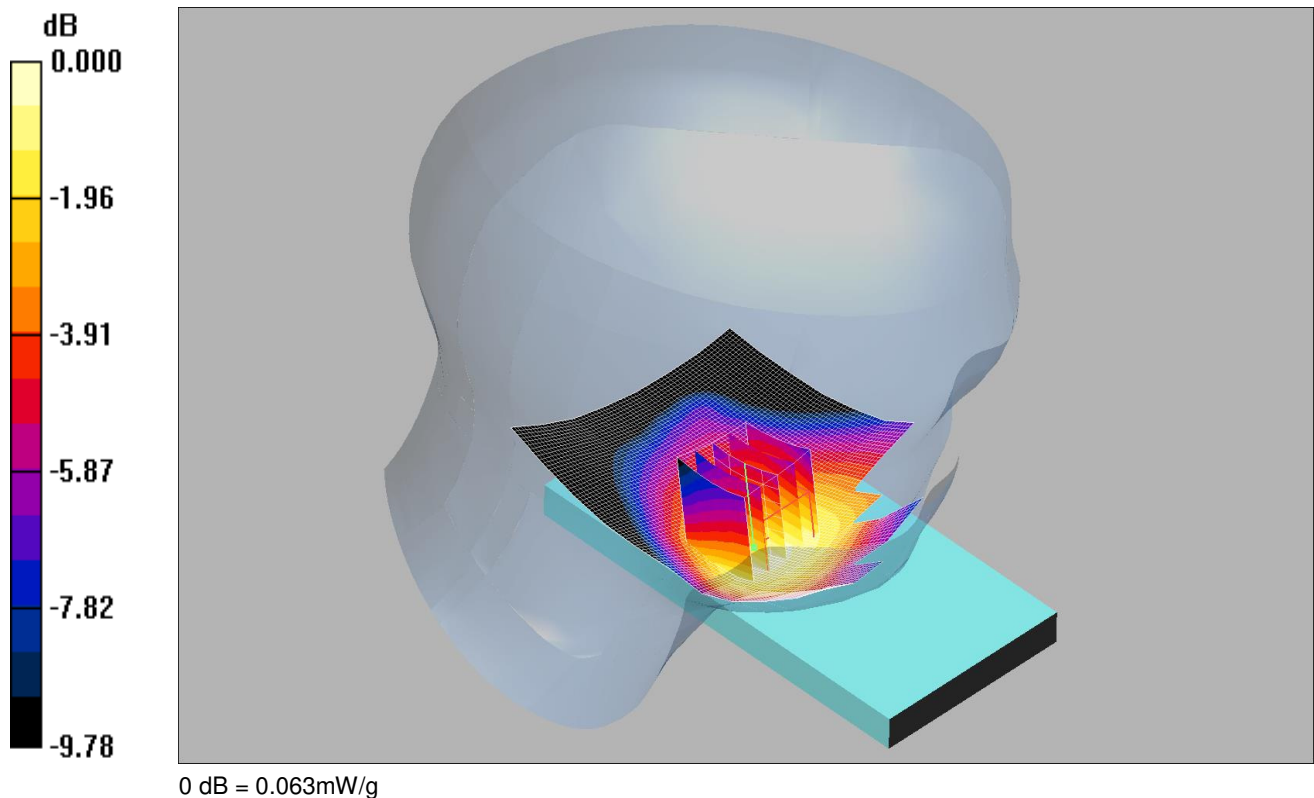
Peak SAR (extrapolated) = 0.188 W/kg

**SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.107 mW/g**

Maximum value of SAR (measured) = 0.153 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):  $f = 782 \text{ MHz}$ ;  $\sigma = 0.881 \text{ mho/m}$ ;  $\epsilon_r = 39.9$ ;  $\rho = 1000 \text{ kg/m}^3$   
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:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.062 mW/g

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

Reference Value = 2.98 V/m; Power Drift = 0.026 dB

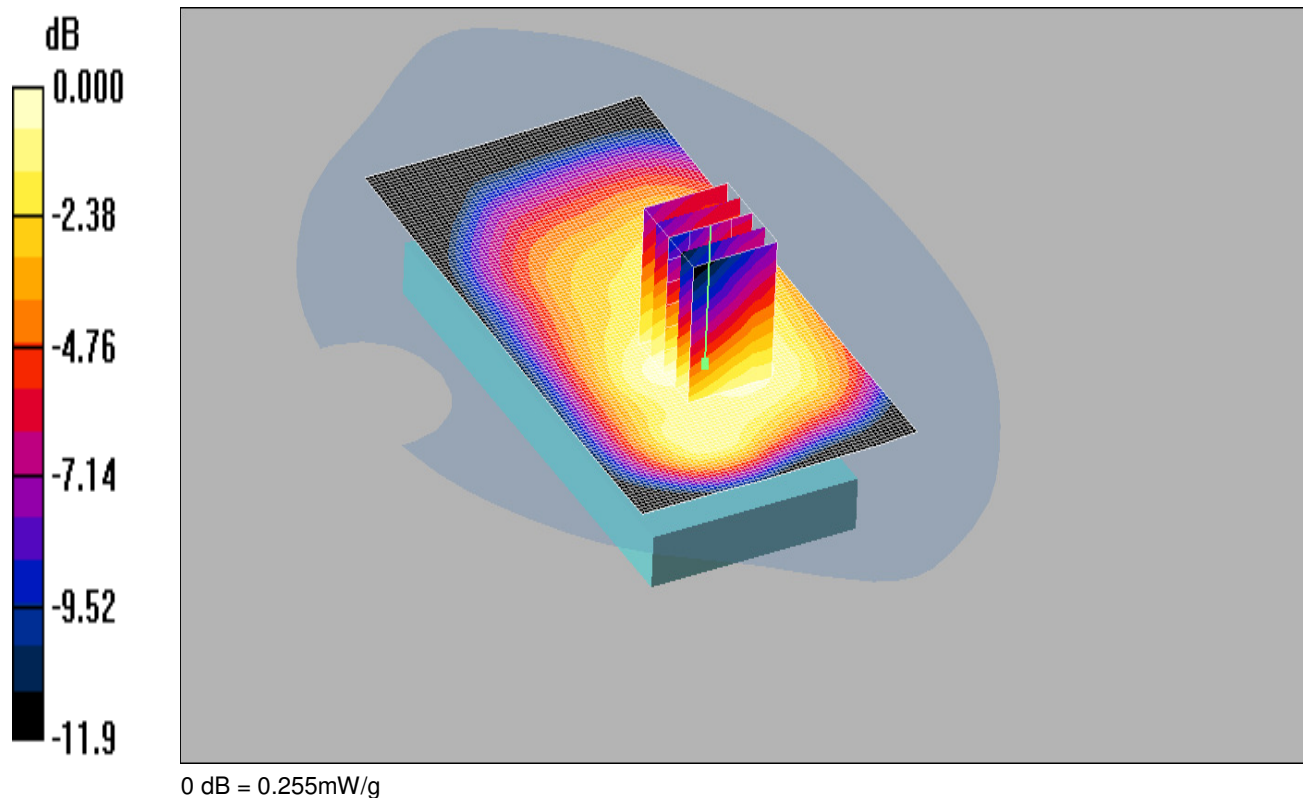
Peak SAR (extrapolated) = 0.078 W/kg

**SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.044 mW/g**

Maximum value of SAR (measured) = 0.063 mW/g

Date: 13/05/2016

**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: 900/750 MHz MSL Medium parameters used (interpolated):  $f = 782$  MHz;  $\sigma = 0.949$  mho/m;  $\epsilon_r = 54.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
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) = 0.255 mW/g

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

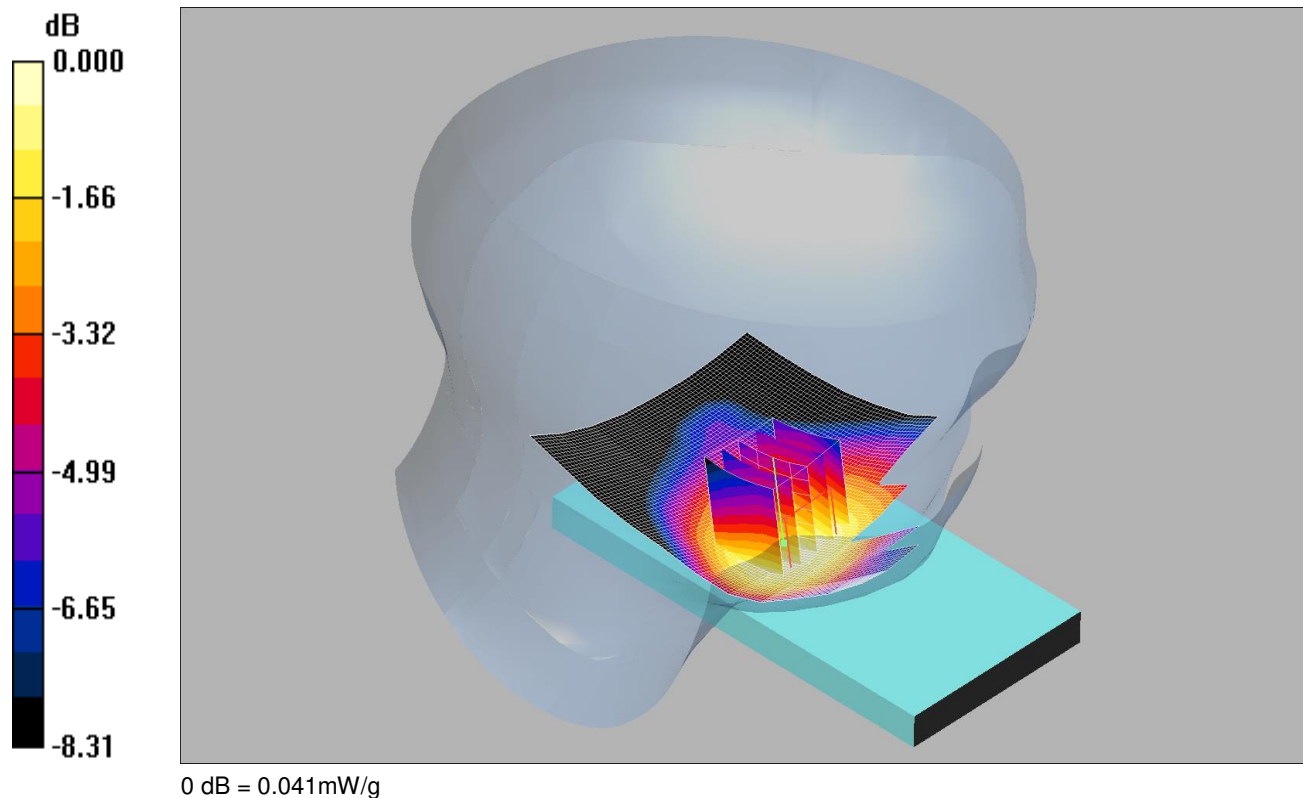
Reference Value = 17.1 V/m; Power Drift = -0.099 dB

Peak SAR (extrapolated) = 0.321 W/kg

**SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.177 mW/g** Maximum value of SAR (measured) = 0.255 mW/g

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/m<sup>3</sup>  
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) = 0.041 mW/g

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

Reference Value = 2.37 V/m; Power Drift = -0.141 dB

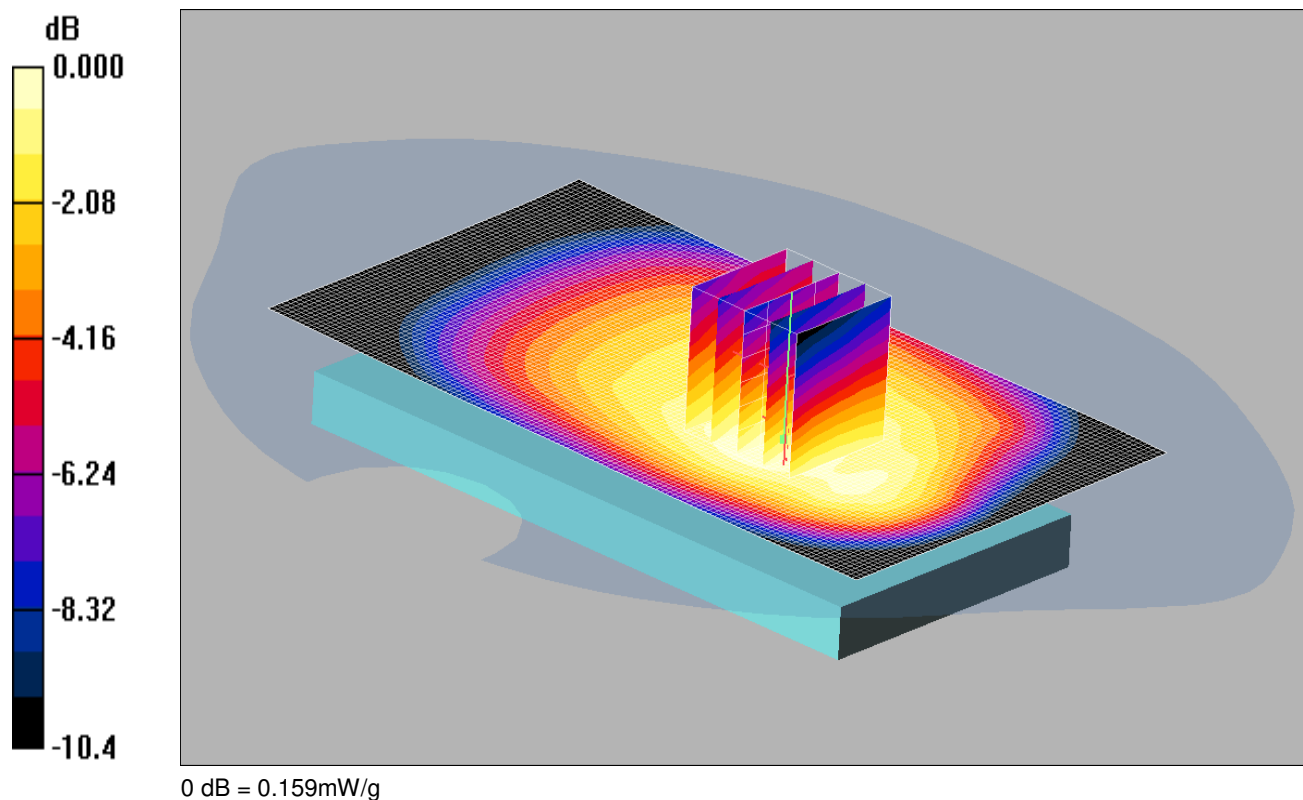
Peak SAR (extrapolated) = 0.050 W/kg

**SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.029 mW/g**

Maximum value of SAR (measured) = 0.041 mW/g

Date: 17/05/2016

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



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/m<sup>3</sup>  
Phantom section: Flat Section

DASY4 Configuration:

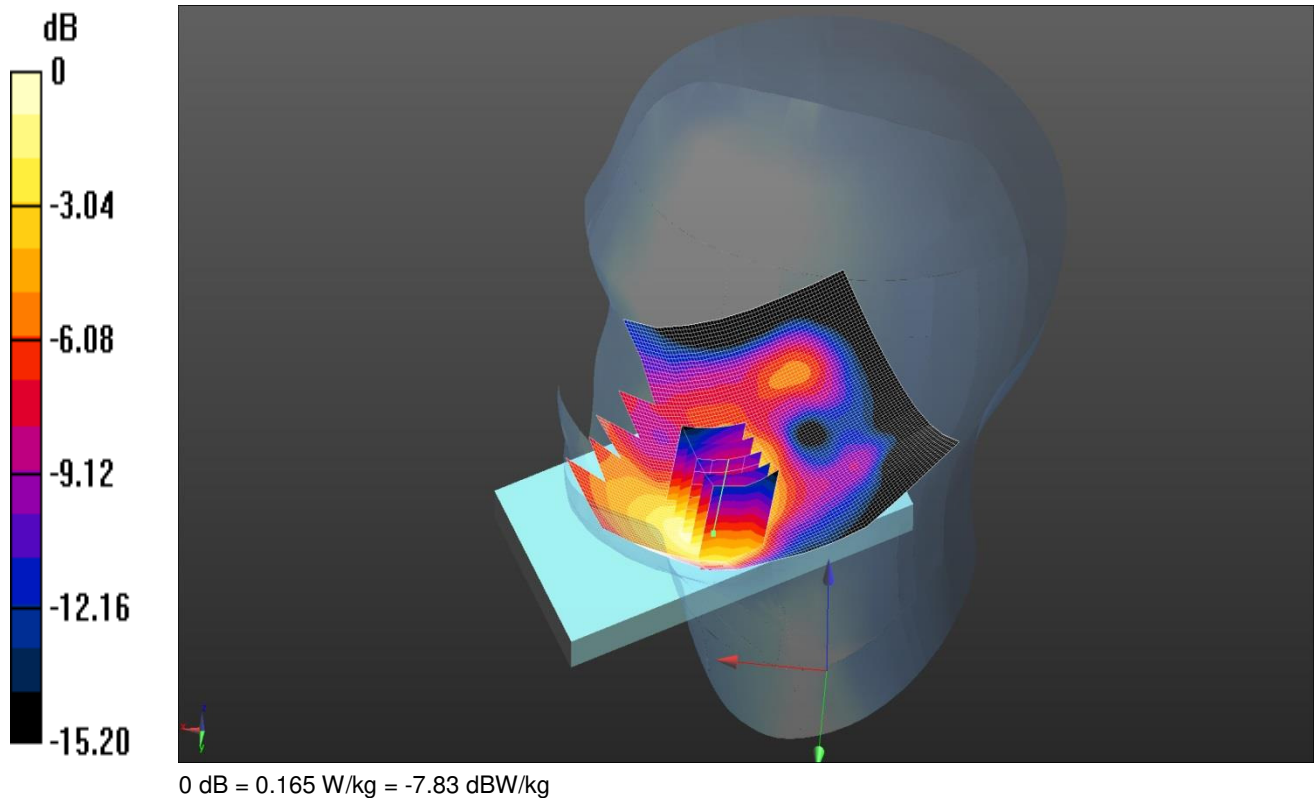
- Probe: ET3DV6 - SN1528; ConvF(6.11, 6.11, 6.11);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn450; Calibrated: 28/09/2015
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

**Back 1RB High - Hotspot - PBx 3/Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.159 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 = -0.028 dB  
Peak SAR (extrapolated) = 0.200 W/kg  
**SAR(1 g) = 0.152 mW/g; SAR(10 g) = 0.112 mW/g**  
Maximum value of SAR (measured) = 0.159 mW/g

Date: 19/4/2016

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



Communication System: UID 0, LTE FDD Bands - 20MHz Channel BW (0); Frequency: 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/m<sup>3</sup>  
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) = 0.172 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 = 6.833 V/m; Power Drift = 0.16 dB

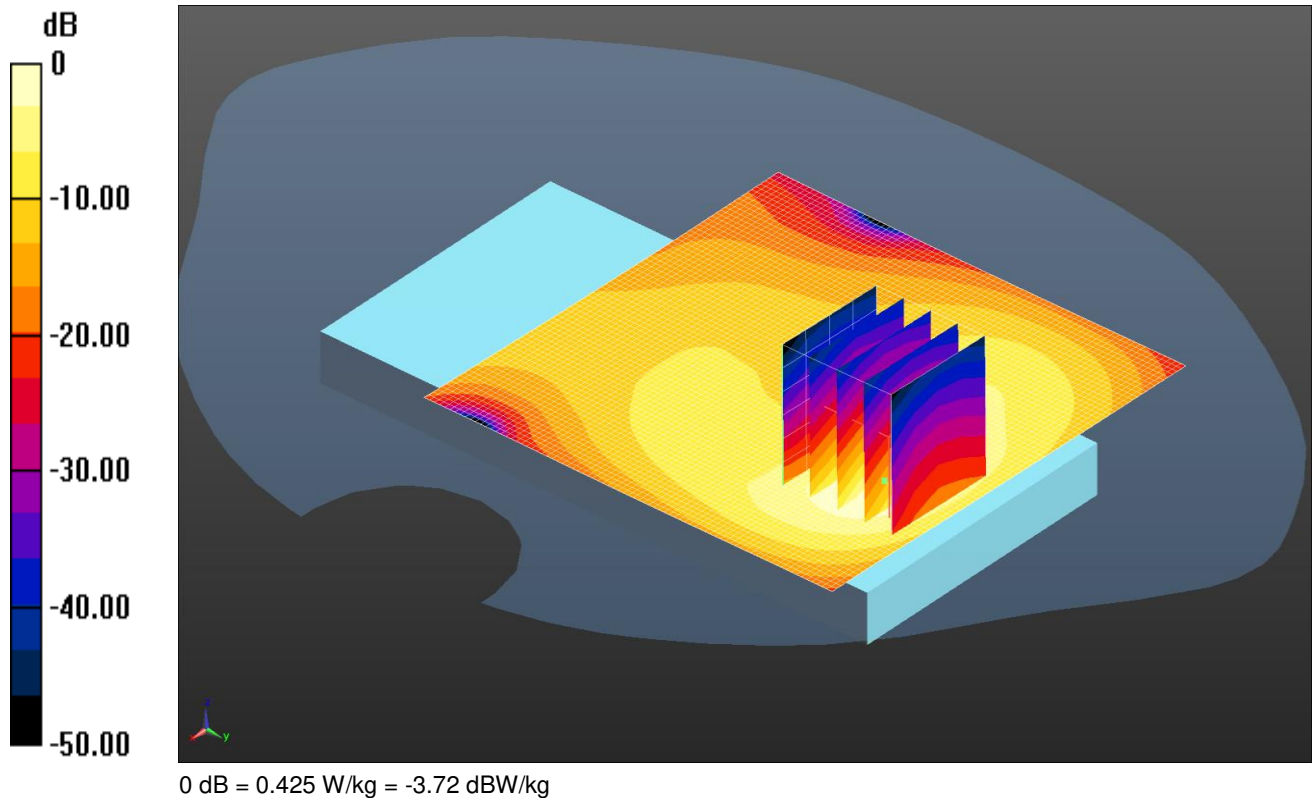
Peak SAR (extrapolated) = 0.236 W/kg

**SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.097 W/kg**

Maximum value of SAR (measured) = 0.165 W/kg

Date: 9/5/2016

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



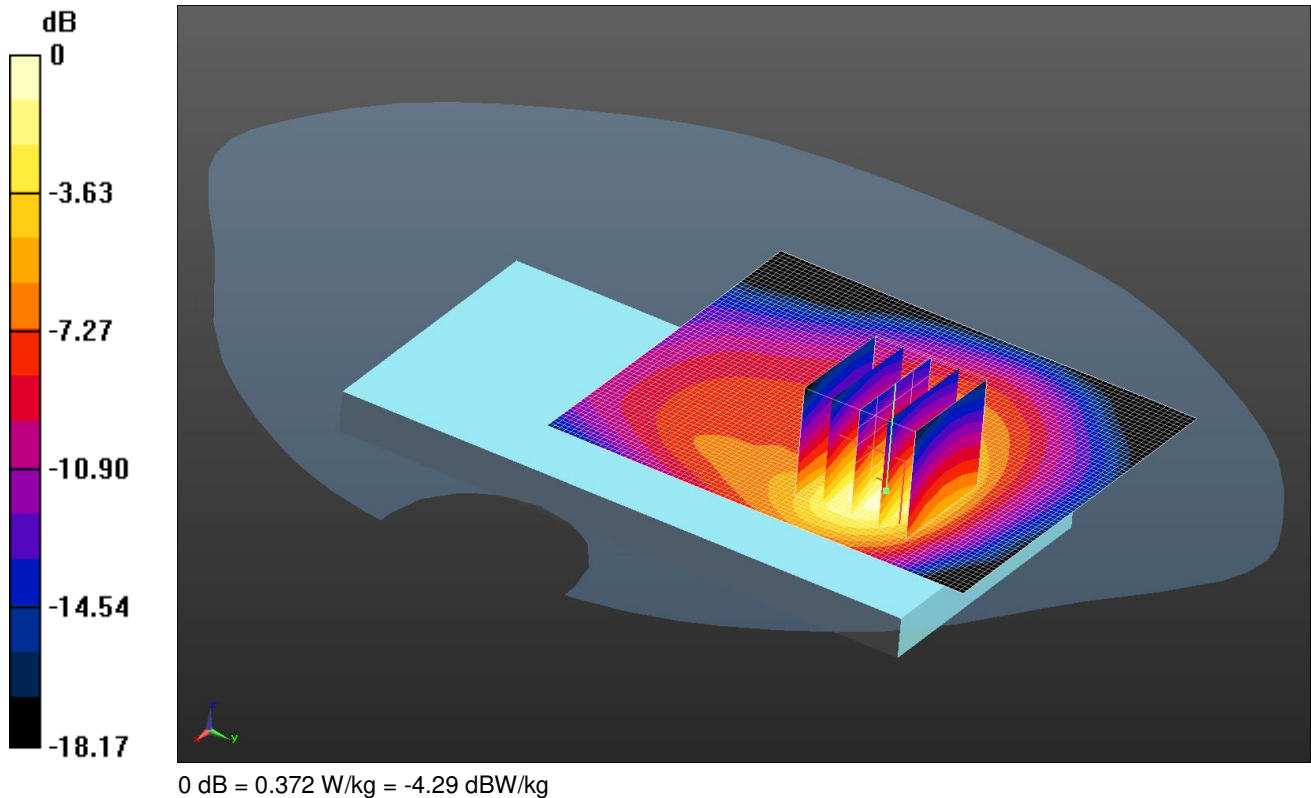
Communication System: UID 0, LTE FDD Bands - 20MHz Channel BW (0); Frequency: 1905 MHz; Duty Cycle: 1:1  
Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1905$  MHz;  $\sigma = 1.507$  S/m;  $\epsilon_r = 51.761$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
DASY4 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) = 0.425 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 = 10.86 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 0.794 W/kg  
**SAR(1 g) = 0.427 W/kg; SAR(10 g) = 0.212 W/kg**  
Maximum value of SAR (measured) = 0.489 W/kg

Date: 16/05/2016

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



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/m<sup>3</sup>  
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) = 0.352 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 = 7.340 V/m; Power Drift = 0.12 dB

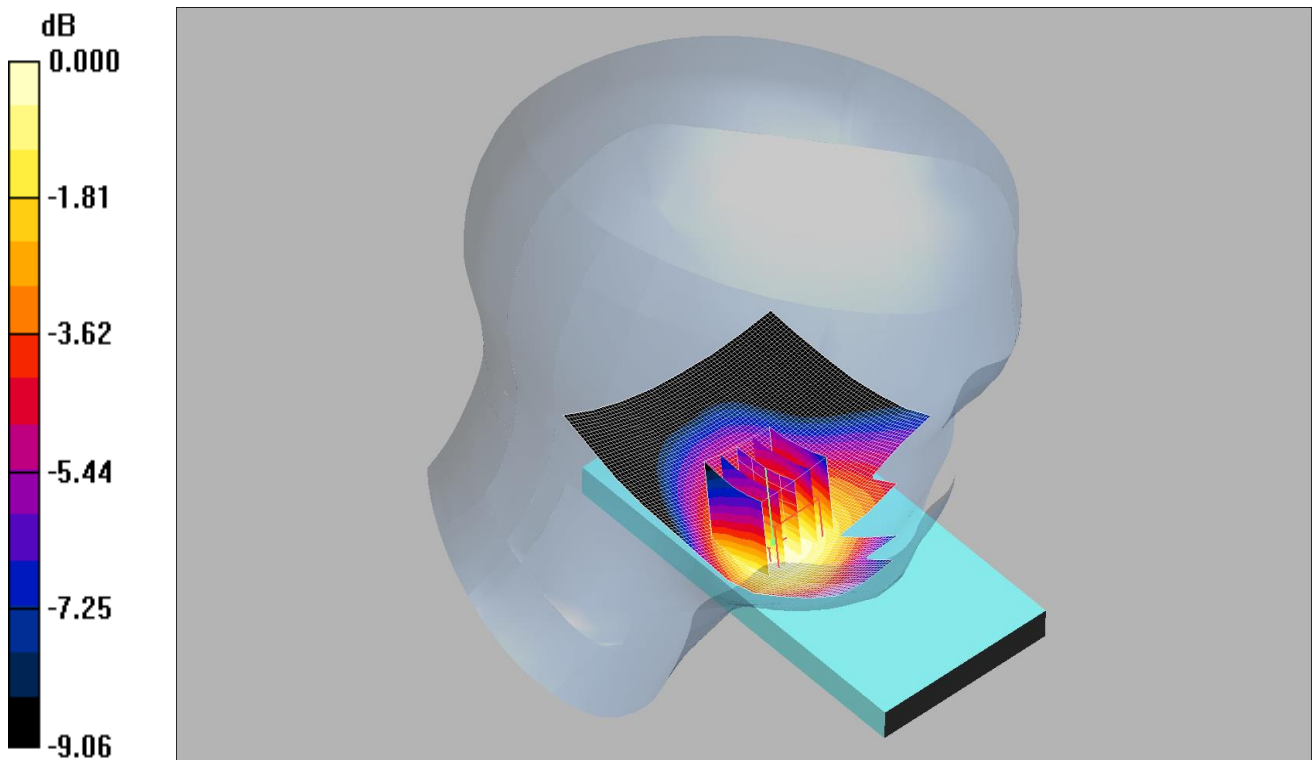
Peak SAR (extrapolated) = 0.570 W/kg

**SAR(1 g) = 0.328 W/kg; SAR(10 g) = 0.177 W/kg**

Maximum value of SAR (measured) = 0.372 W/kg

Date: 06/05/2016

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



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/m<sup>3</sup>

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) = 0.123 mW/g

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

Reference Value = 12.3 V/m; Power Drift = -0.020 dB

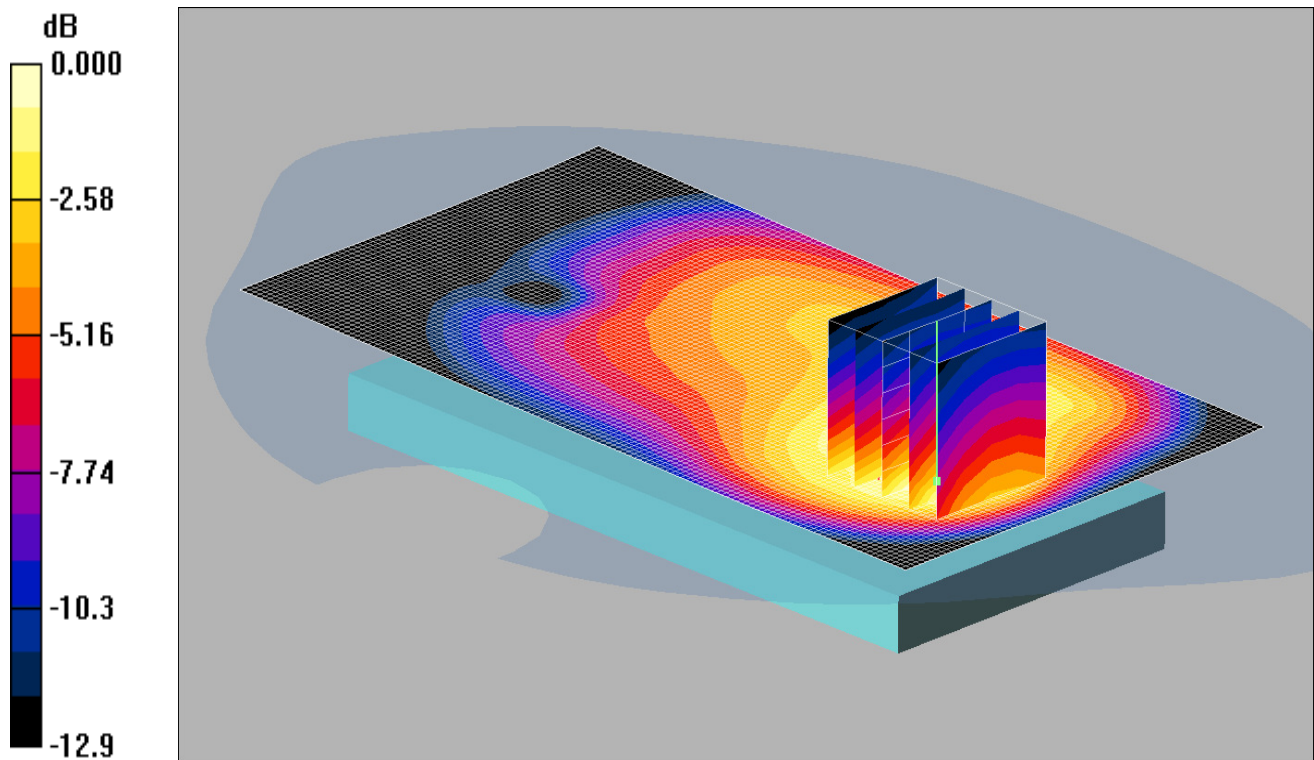
Peak SAR (extrapolated) = 0.142 W/kg

**SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.089 mW/g**

Maximum value of SAR (measured) = 0.121 mW/g

Date: 28/04/2016

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



0 dB = 0.552mW/g

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/m<sup>3</sup>  
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) = 0.544 mW/g

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

Reference Value = 16.3 V/m; Power Drift = -0.018 dB

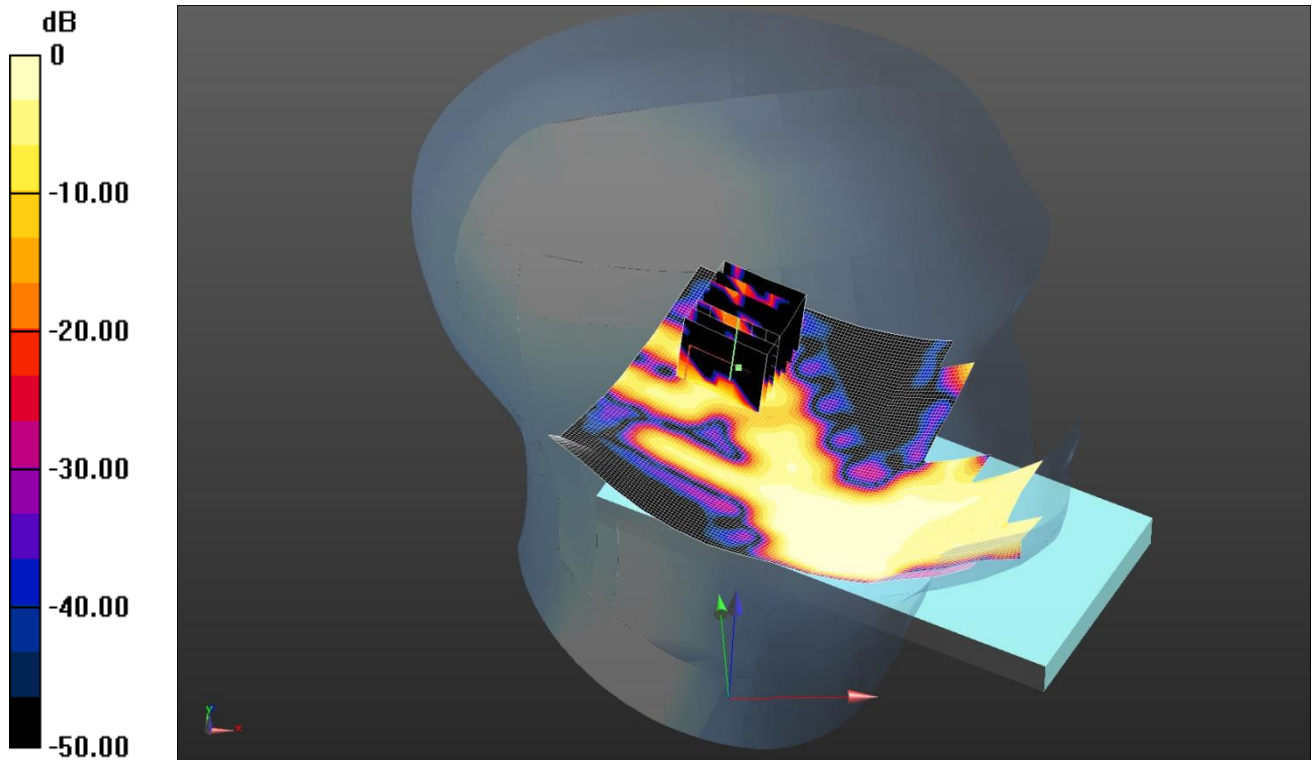
Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.475 mW/g; SAR(10 g) = 0.267 mW/g**

Maximum value of SAR (measured) = 0.552 mW/g

Date: 06/05/2016

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



0 dB = 0.0297 W/kg = -15.27 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/m<sup>3</sup>  
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 (7372)

**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) = 0.0517 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 = 4.482 V/m; Power Drift = 0.25 dB

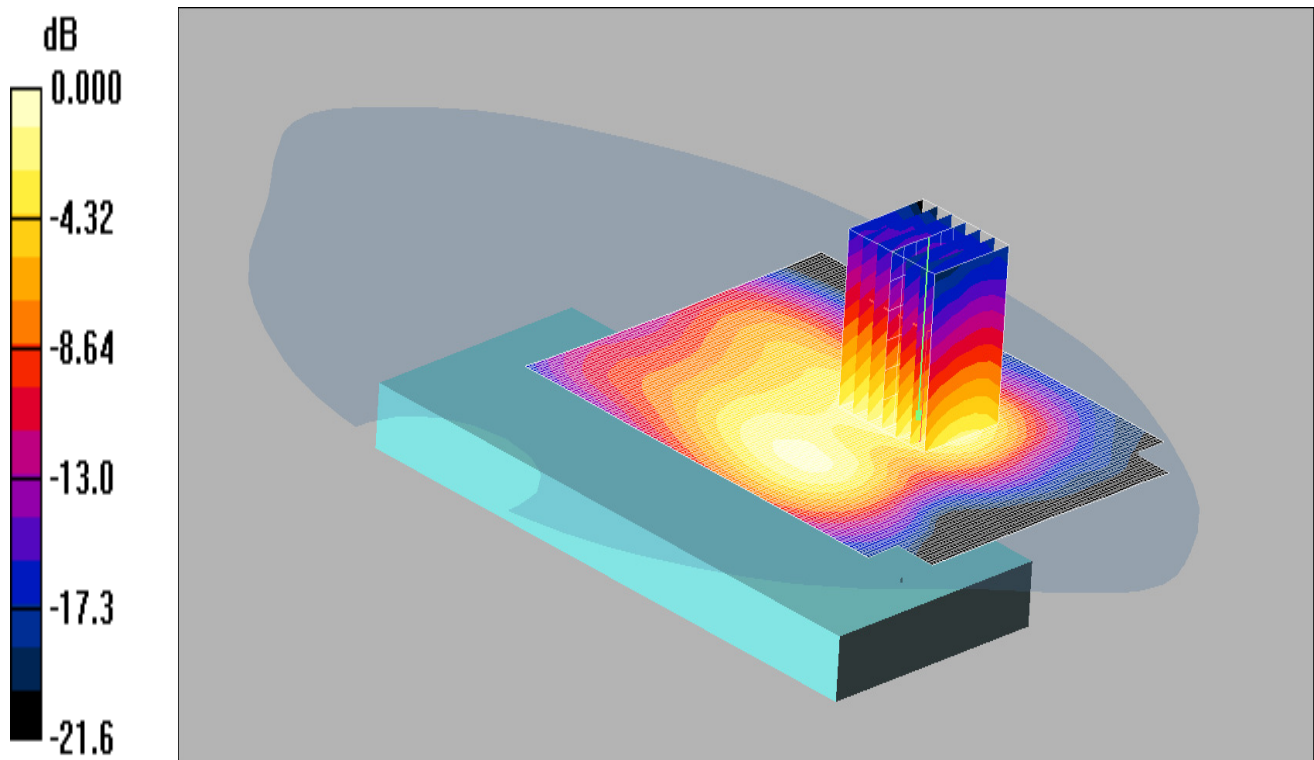
Peak SAR (extrapolated) = 0.0550 W/kg

**SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.00581 W/kg**

Maximum value of SAR (measured) = 0.0297 W/kg

Date: 19/05/2016

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



0 dB = 0.349mW/g

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/m<sup>3</sup>

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 (101x111x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.353 mW/g

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

Reference Value = 12.0 V/m; Power Drift = -0.061 dB

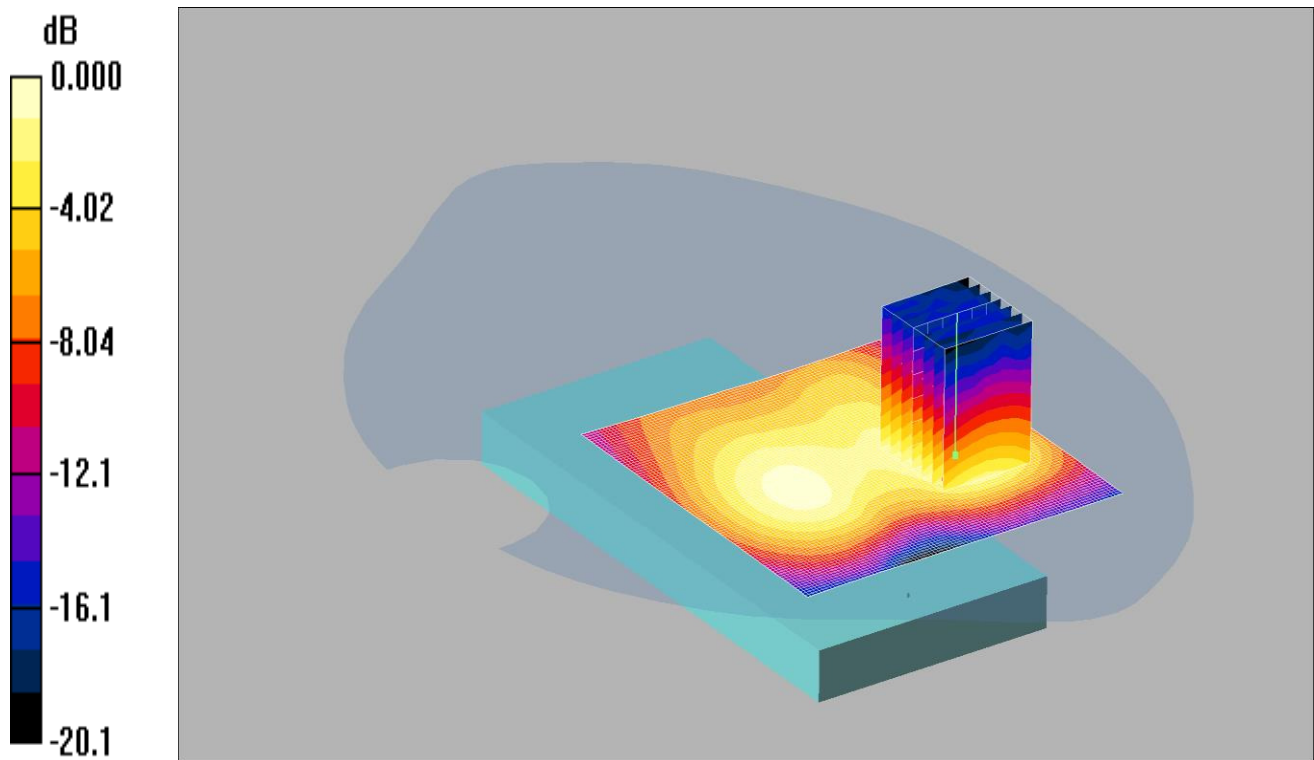
Peak SAR (extrapolated) = 0.551 W/kg

**SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.144 mW/g**

Maximum value of SAR (measured) = 0.349 mW/g

Date: 17/05/2016

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



0 dB = 0.153mW/g

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/m<sup>3</sup>

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) = 0.154 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 = 8.38 V/m; Power Drift = -0.065 dB

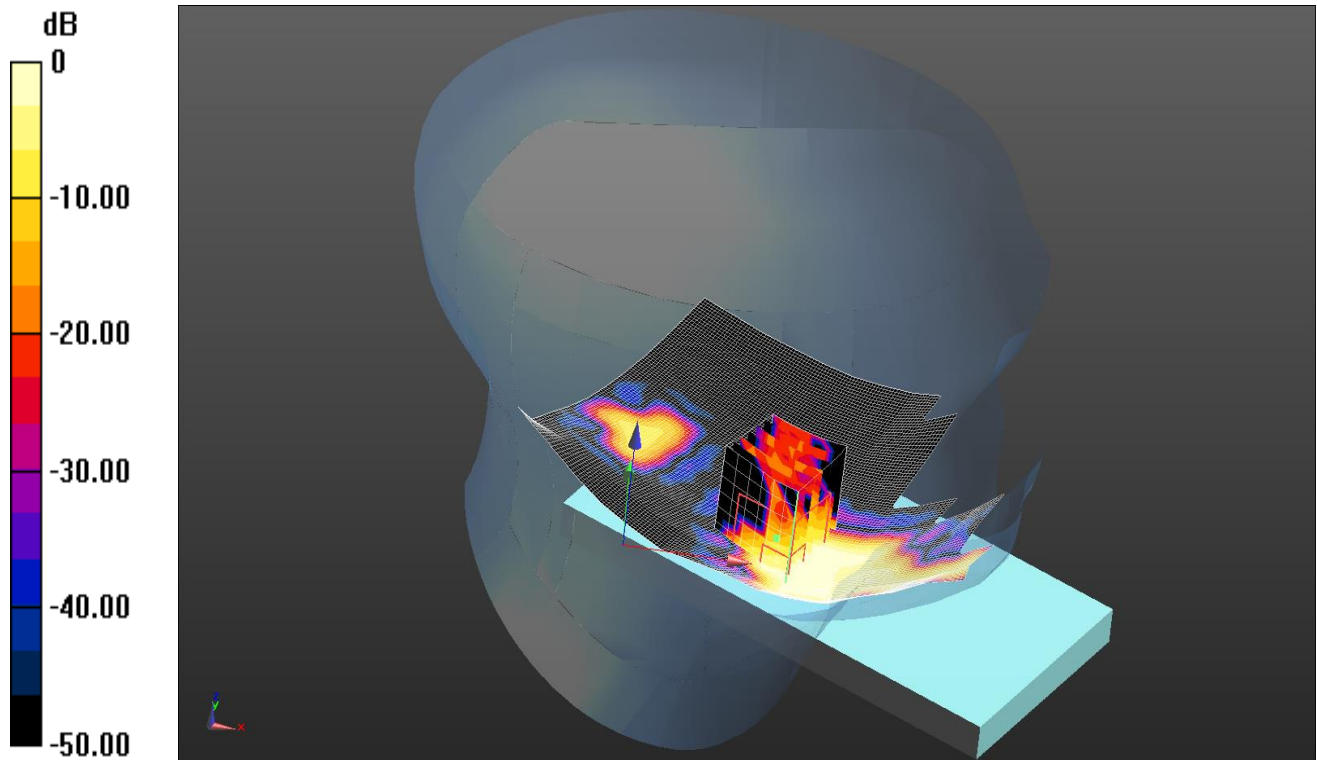
Peak SAR (extrapolated) = 0.232 W/kg

**SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.066 mW/g**

Maximum value of SAR (measured) = 0.153 mW/g

Date: 29/04/2016

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



0 dB = 0.0447 W/kg = -13.50 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/m<sup>3</sup>  
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) = 0.0582 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 = 1.186 V/m; Power Drift = 4.04 dB

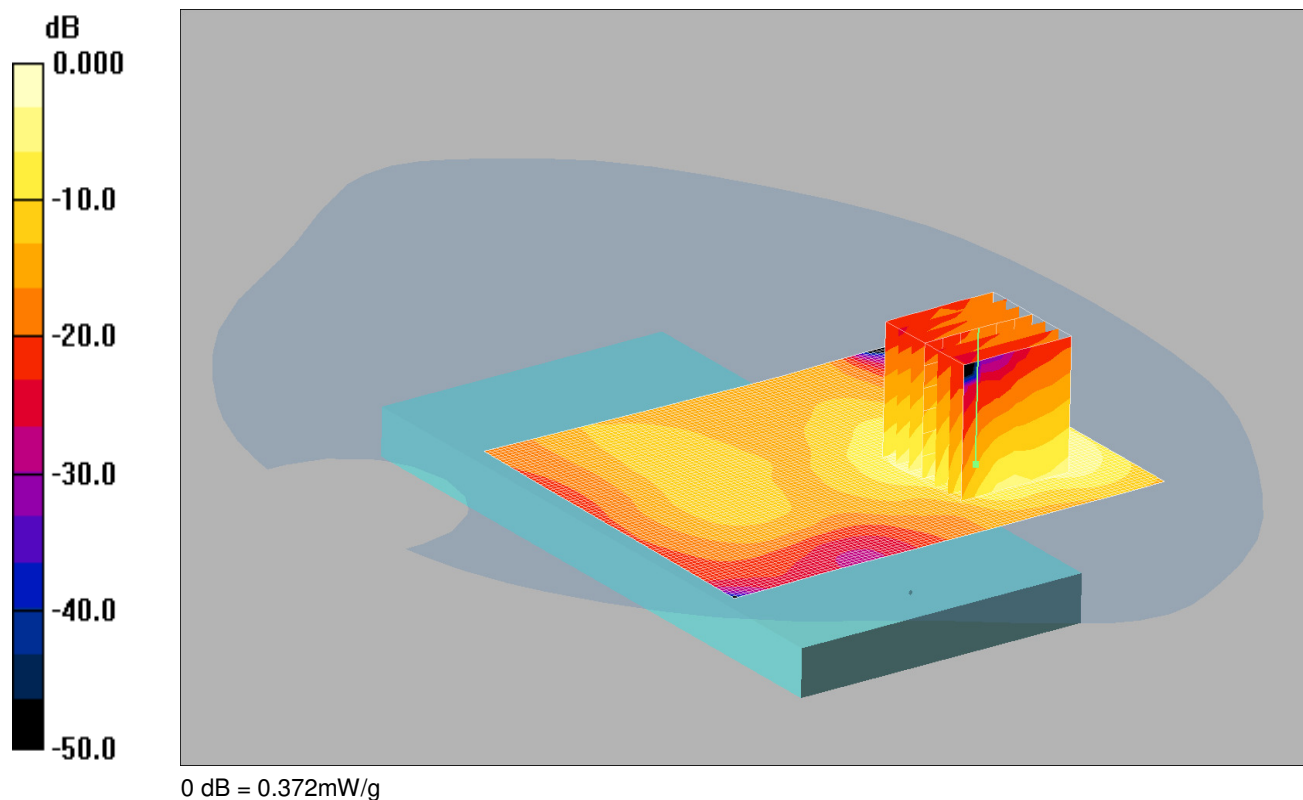
Peak SAR (extrapolated) = 0.0630 W/kg

**SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.00914 W/kg**

Maximum value of SAR (measured) = 0.0447 W/kg

Date: 14/05/2016

**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/m<sup>3</sup>  
Phantom section: Flat Section

DASY4 Configuration:

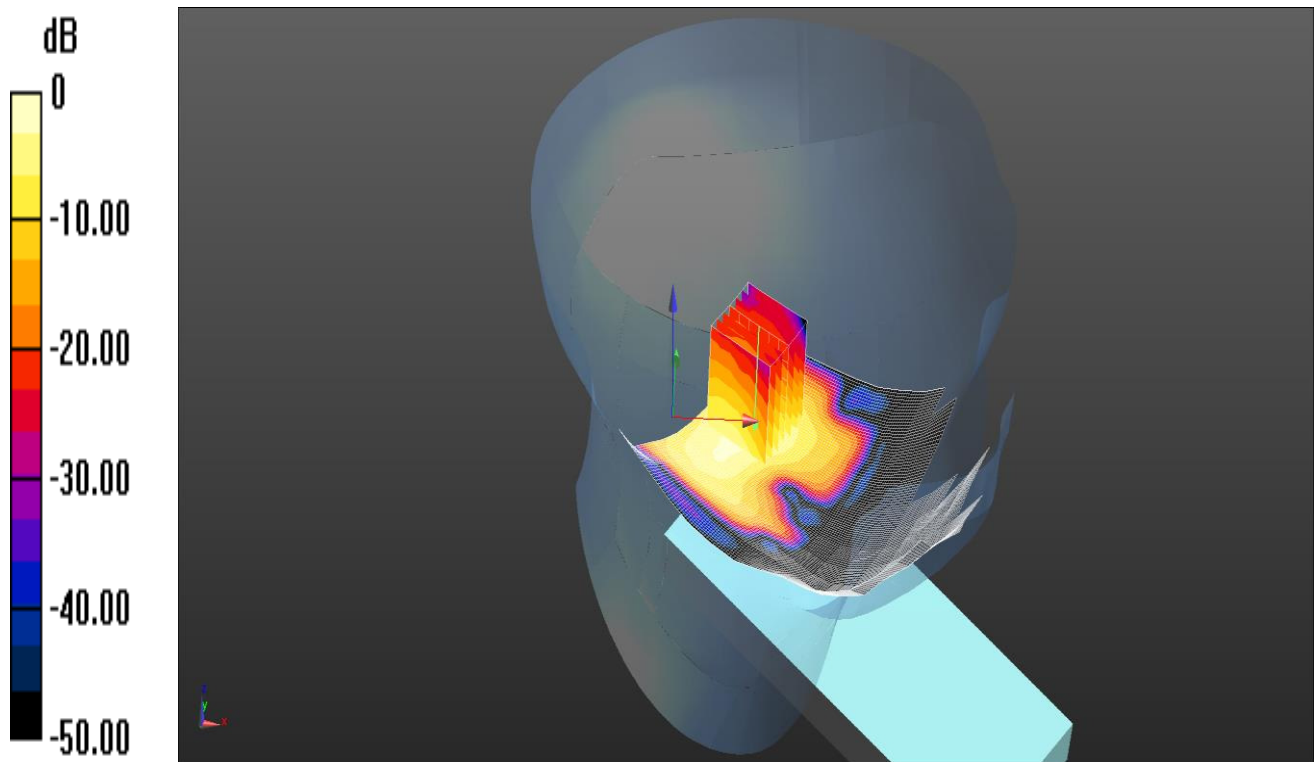
- Probe: ES3DV3 - SN3341; ConvF(4.1, 4.1, 4.1);
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn432; Calibrated: 25/08/2015
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Back 1RB Middle - Hotspot - PBx/Area Scan (101x81x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 0.329 mW/g

**Back 1RB Middle - Hotspot - PBx/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 7.00 V/m; Power Drift = -0.099 dB  
Peak SAR (extrapolated) = 0.642 W/kg  
**SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.132 mW/g**  
Maximum value of SAR (measured) = 0.372 mW/g

Date: 23/04/2016

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



0 dB = 0.332 W/kg = -4.79 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/m<sup>3</sup>

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) = 0.225 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 = 12.490 V/m; Power Drift = 0.12 dB

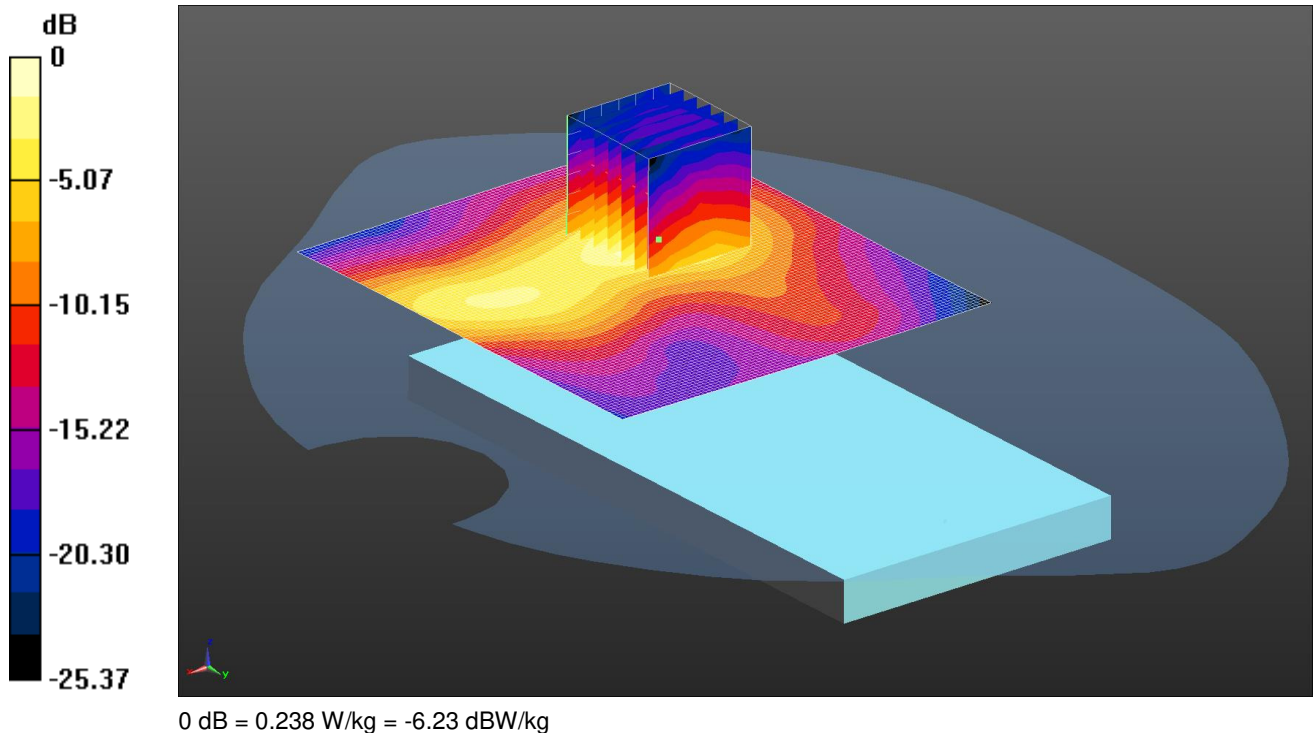
Peak SAR (extrapolated) = 0.519 W/kg

**SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.090 W/kg**

Maximum value of SAR (measured) = 0.332 W/kg

Date: 09/05/2016

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



Communication System: UID 0, WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 2.011$  S/m;  $\epsilon_r = 50.691$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3335; ConvF(4.31, 4.31, 4.31); Calibrated: 23/07/2015;
- 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
- ; SEMCAD X Version 14.6.10 (7372)

**Configuration/Back - Hotspot - PBx 2/Area Scan (91x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.238 W/kg

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

Reference Value = 7.859 V/m; Power Drift = 0.05 dB

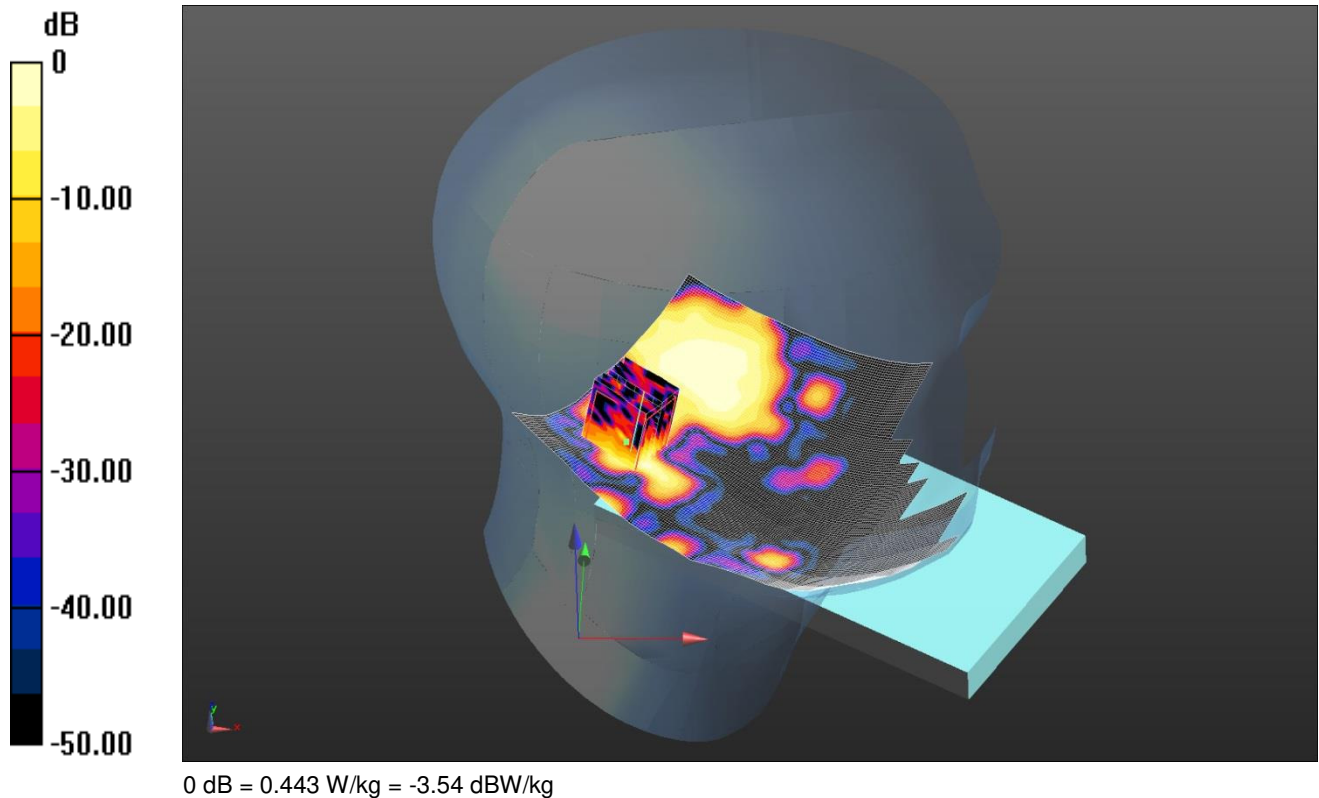
Peak SAR (extrapolated) = 0.388 W/kg

**SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.088 W/kg**

Maximum value of SAR (measured) = 0.246 W/kg

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/m<sup>3</sup>

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/Touch Left 802.11a MIMO Ant 1&2 - Head - PBx/Area Scan (121x191x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.653 W/kg

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

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

Reference Value = 10.23 V/m; Power Drift = 0.03 dB

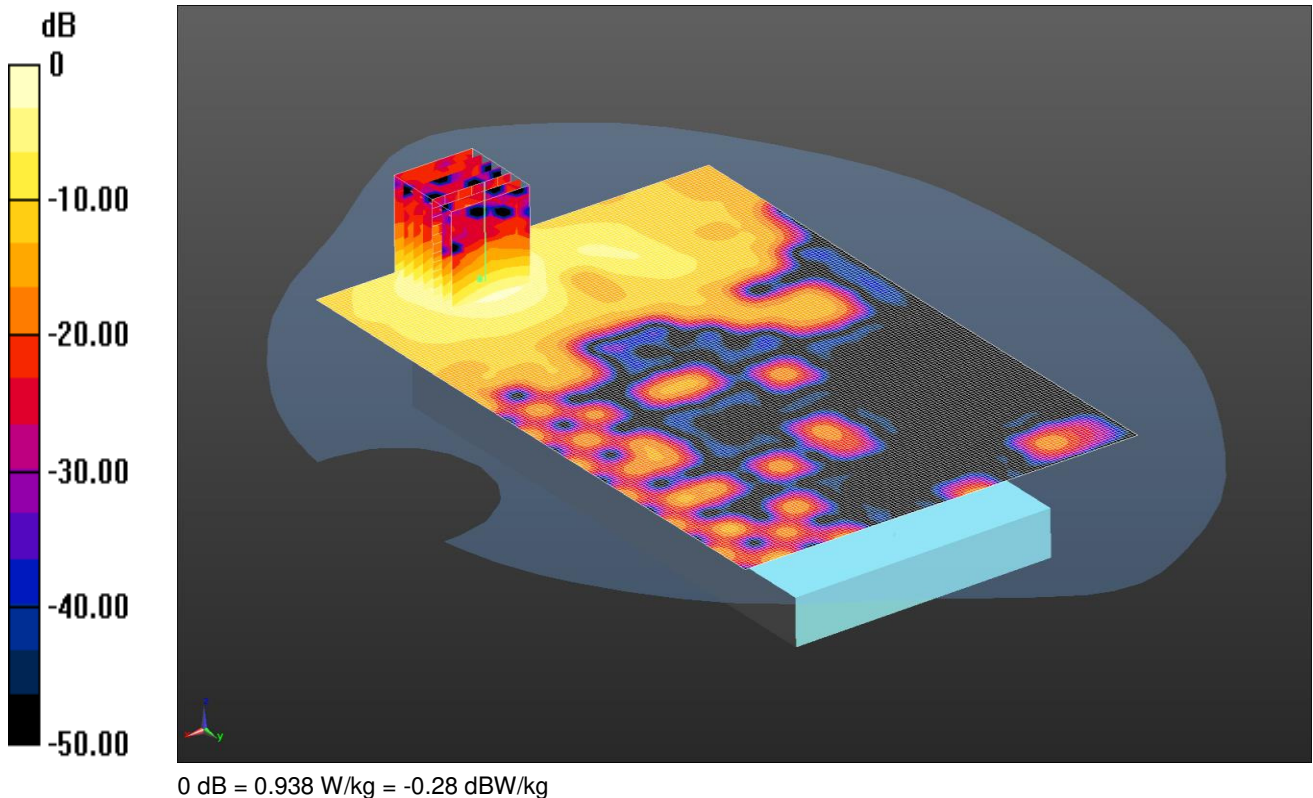
Peak SAR (extrapolated) = 0.700 W/kg

**SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.057 W/kg**

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

Date: 04/05/16

DUT: Model Name: Solarin; Model Number: SR0020-W; Type: Wifi Antenna; Serial: Sample 25



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/m<sup>3</sup>

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) = 0.933 W/kg

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

Reference Value = 12.89 V/m; Power Drift = -0.03 dB

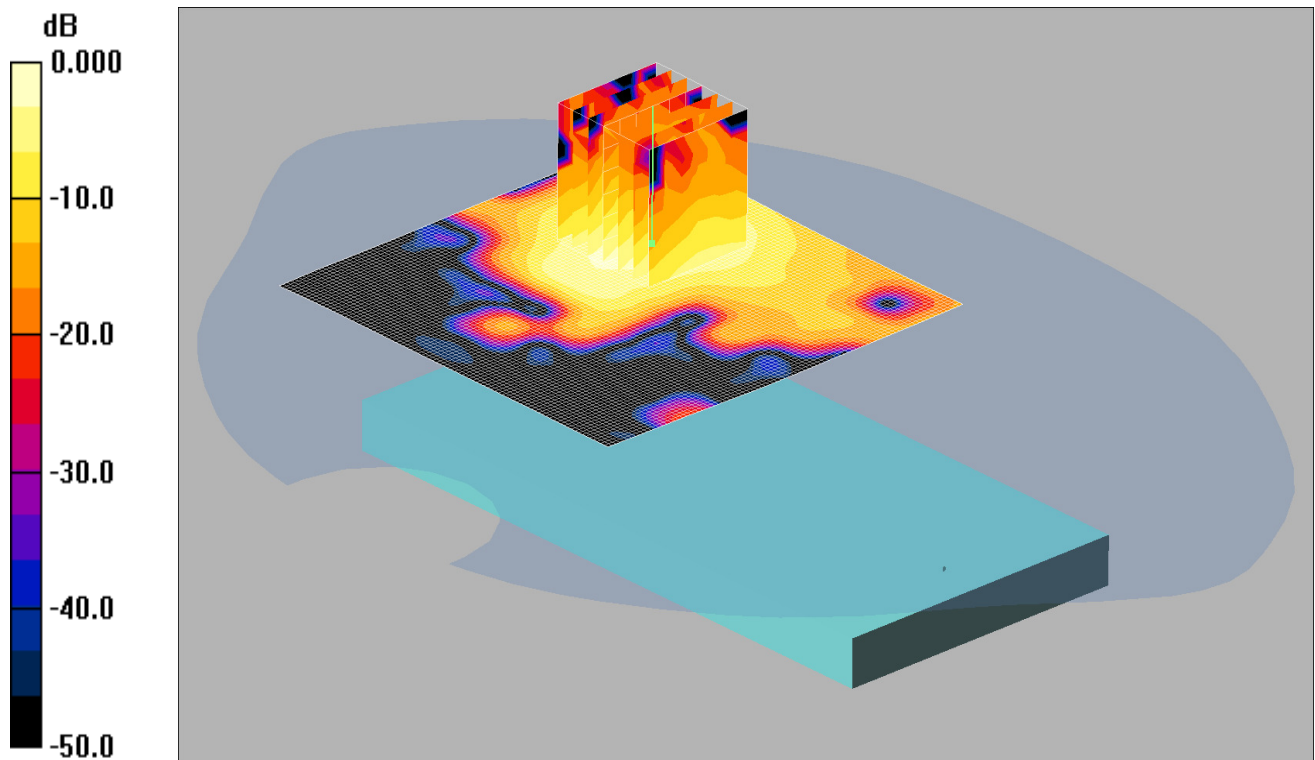
Peak SAR (extrapolated) = 1.96 W/kg

**SAR(1 g) = 0.495 W/kg; SAR(10 g) = 0.177 W/kg**

Maximum value of SAR (measured) = 0.938 W/kg

Date: 20/05/2016

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



0 dB = 0.036mW/g

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/m<sup>3</sup>

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 = 4.19 V/m; Power Drift = 0.129 dB

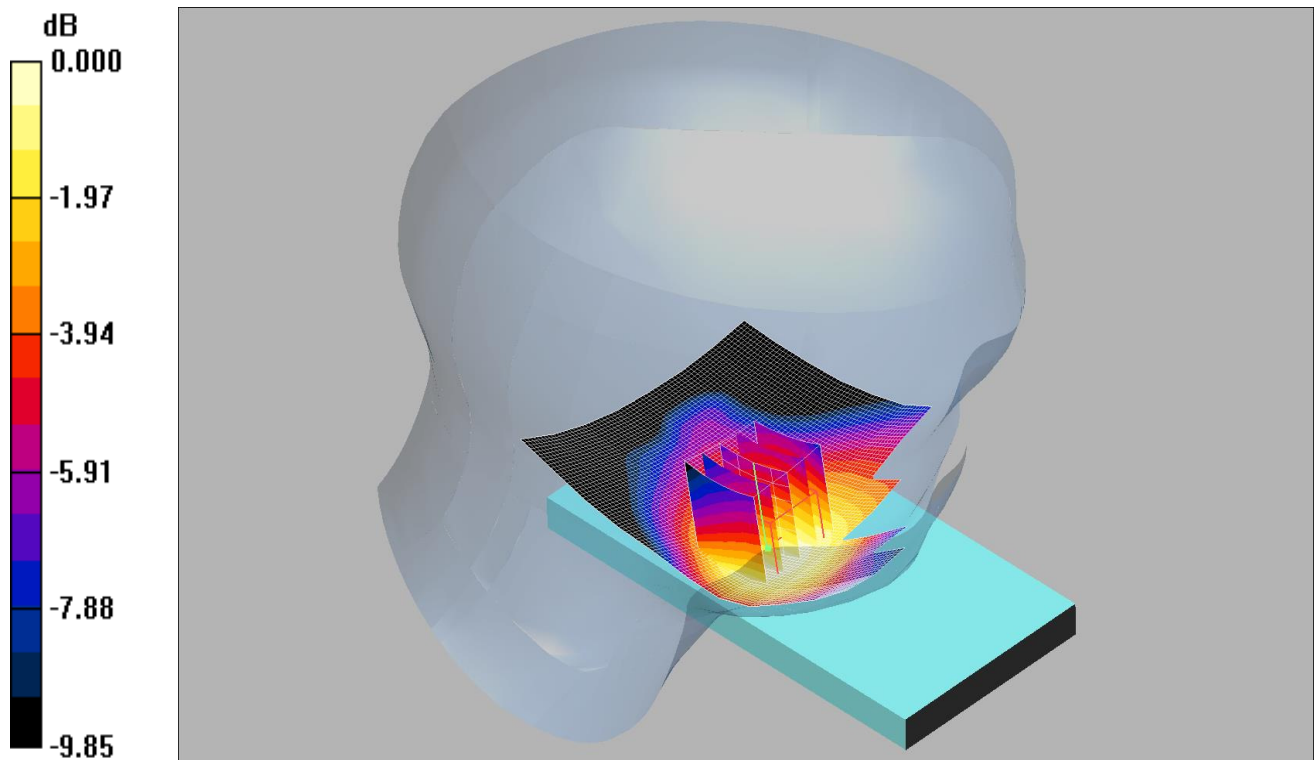
Peak SAR (extrapolated) = 0.059 W/kg

**SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.012 mW/g**

Maximum value of SAR (measured) = 0.036 mW/g

Date: 20/04/2016

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



0 dB = 0.135mW/g

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/m<sup>3</sup>

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) = 0.136 mW/g

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

Reference Value = 4.11 V/m; Power Drift = -0.031 dB

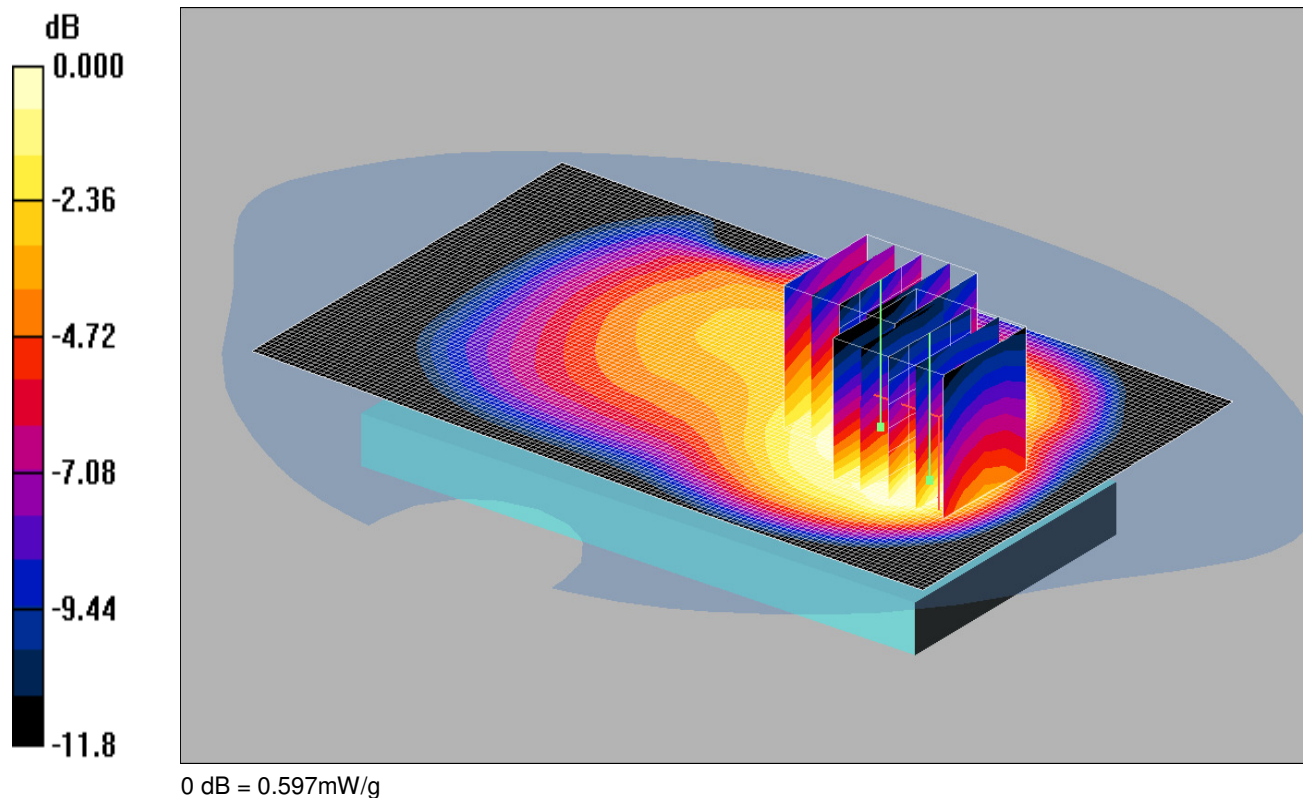
Peak SAR (extrapolated) = 0.167 W/kg

**SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.093 mW/g**

Maximum value of SAR (measured) = 0.135 mW/g

Date: 26/04/2016

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



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/m<sup>3</sup>

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) = 0.752 mW/g

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

Reference Value = 18.3 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 1.30 W/kg

**SAR(1 g) = 0.578 mW/g; SAR(10 g) = 0.328 mW/g**

Maximum value of SAR (measured) = 0.695 mW/g

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

Reference Value = 18.3 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 0.819 W/kg

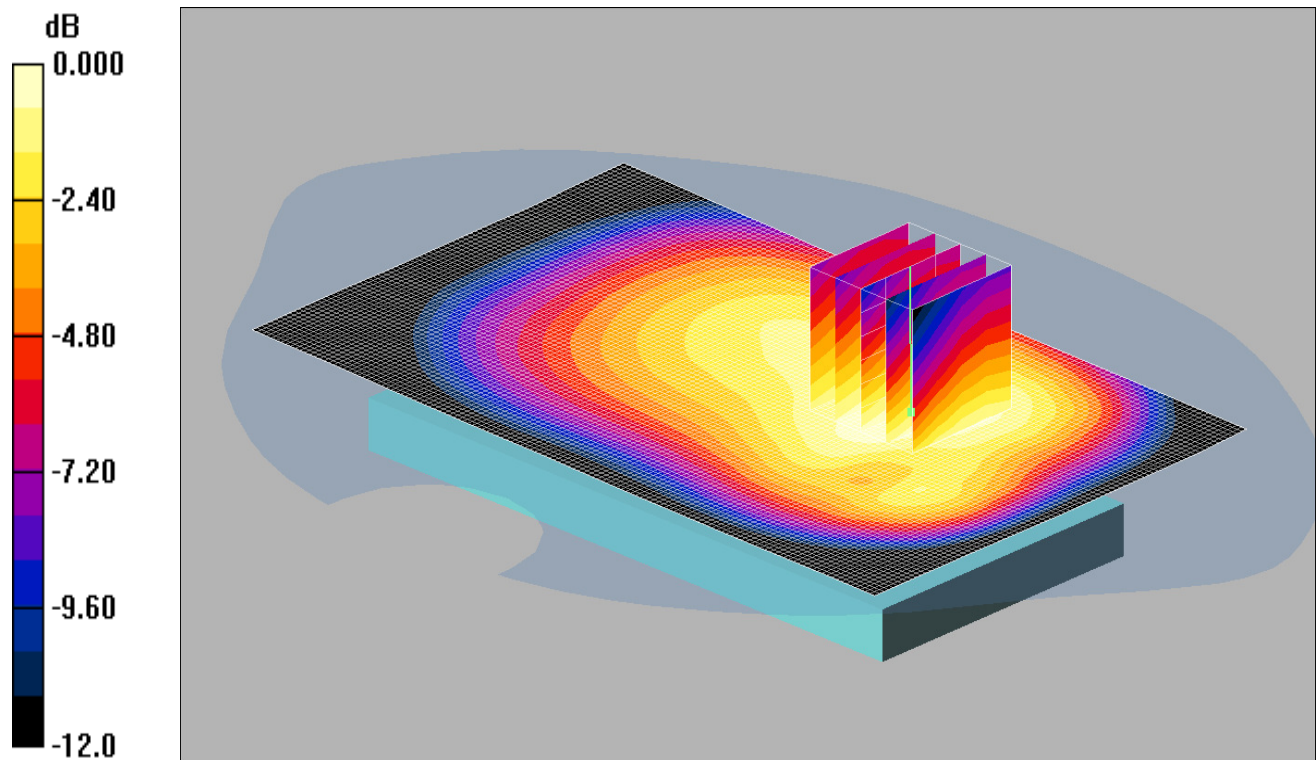
**SAR(1 g) = 0.517 mW/g; SAR(10 g) = 0.359 mW/g**

Maximum value of SAR (measured) = 0.597 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**



0 dB = 0.210mW/g

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/m<sup>3</sup>

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) = 0.209 mW/g

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

Reference Value = 12.1 V/m; Power Drift = 0.043 dB

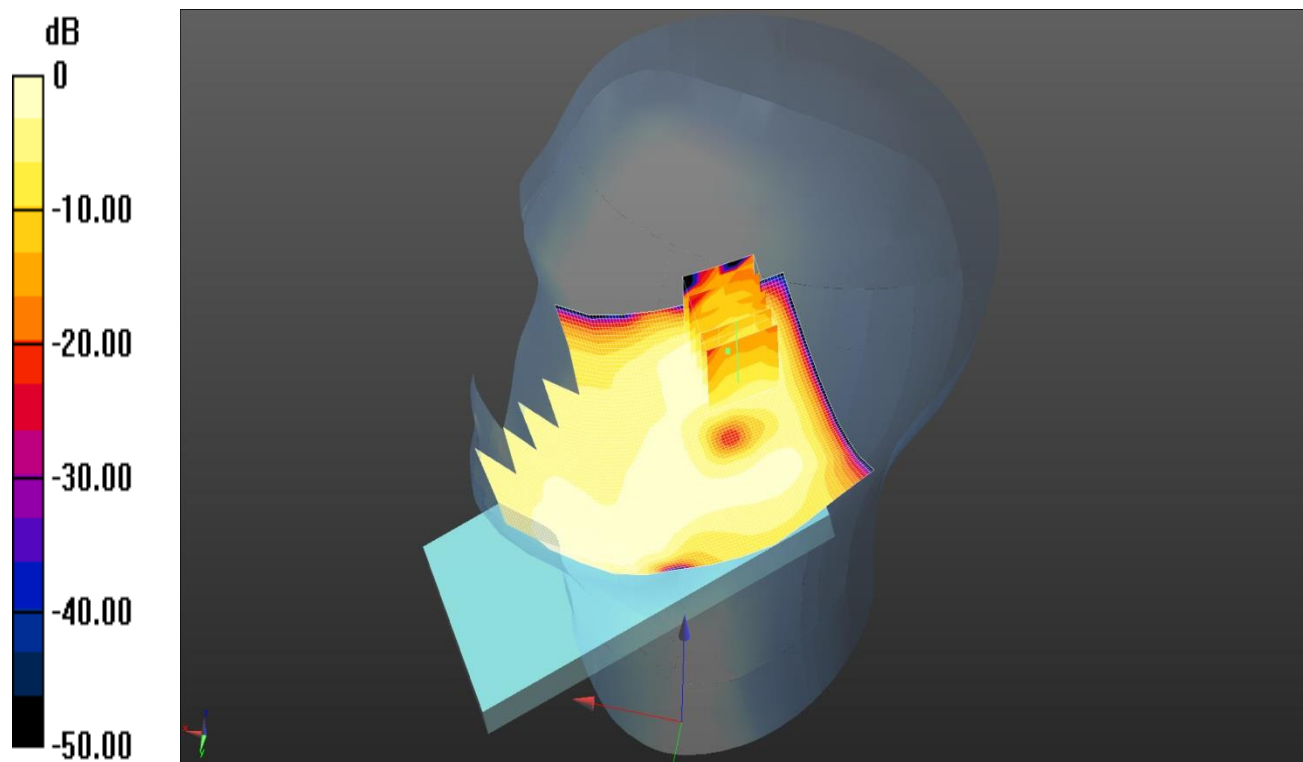
Peak SAR (extrapolated) = 0.255 W/kg

**SAR(1 g) = 0.187 mW/g; SAR(10 g) = 0.137 mW/g**

Maximum value of SAR (measured) = 0.210 mW/g

Date: 16/4/2016

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



0 dB = 0.0158 W/kg = -18.01 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/m<sup>3</sup>

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) = 0.0261 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 = 3.456 V/m; Power Drift = -0.19 dB

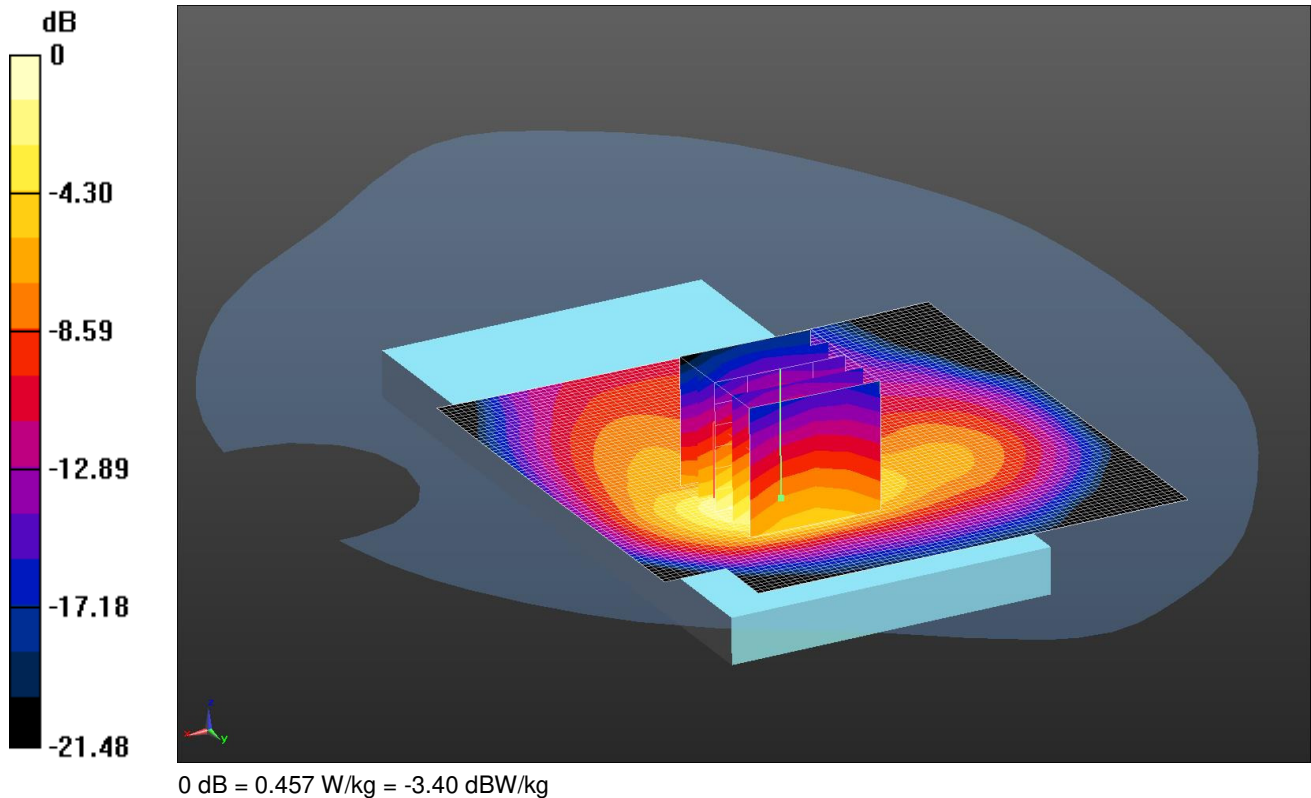
Peak SAR (extrapolated) = 0.0220 W/kg

**SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.00884 W/kg**

Maximum value of SAR (measured) = 0.0158 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/m<sup>3</sup>

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) = 0.416 W/kg

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

Reference Value = 5.516 V/m; Power Drift = 0.06 dB

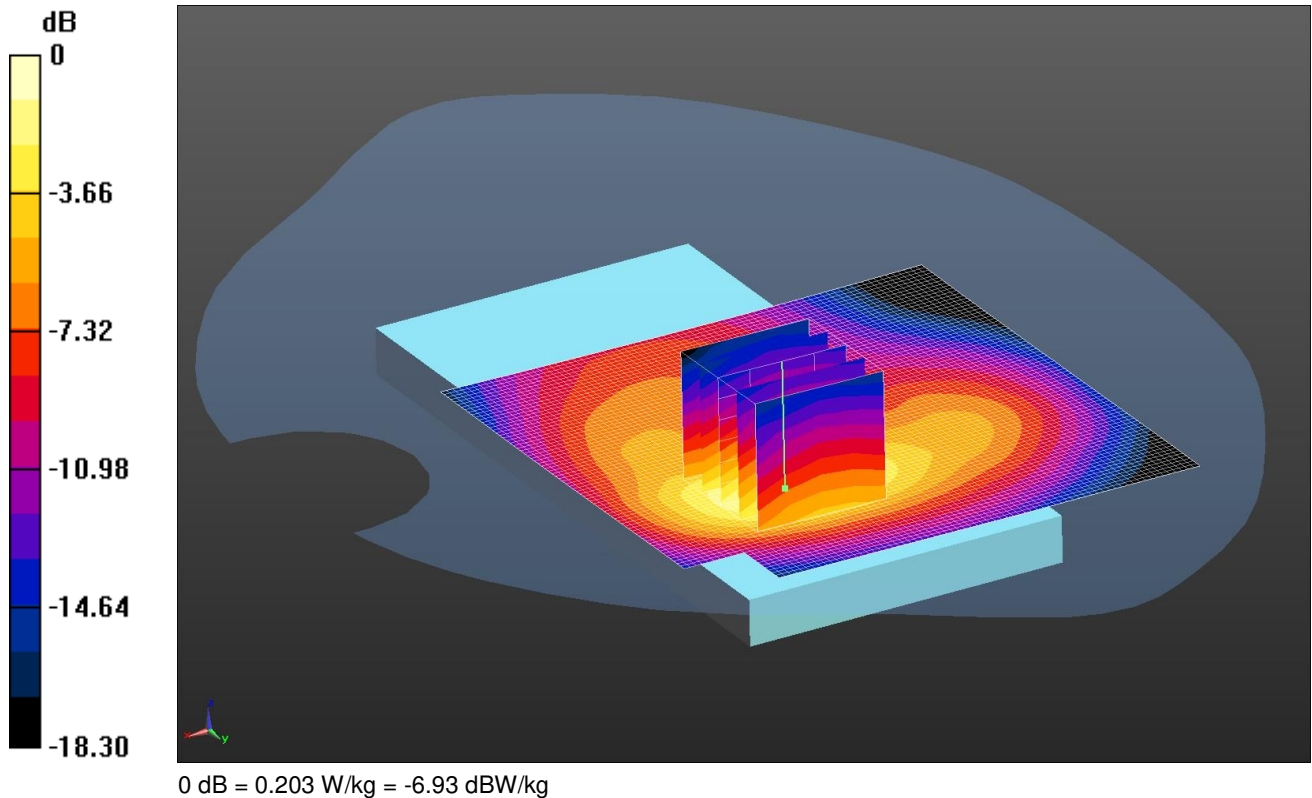
Peak SAR (extrapolated) = 0.776 W/kg

**SAR(1 g) = 0.421 W/kg; SAR(10 g) = 0.208 W/kg**

Maximum value of SAR (measured) = 0.457 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/m<sup>3</sup>

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) = 0.183 W/kg

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

Reference Value = 6.927 V/m; Power Drift = 0.01 dB

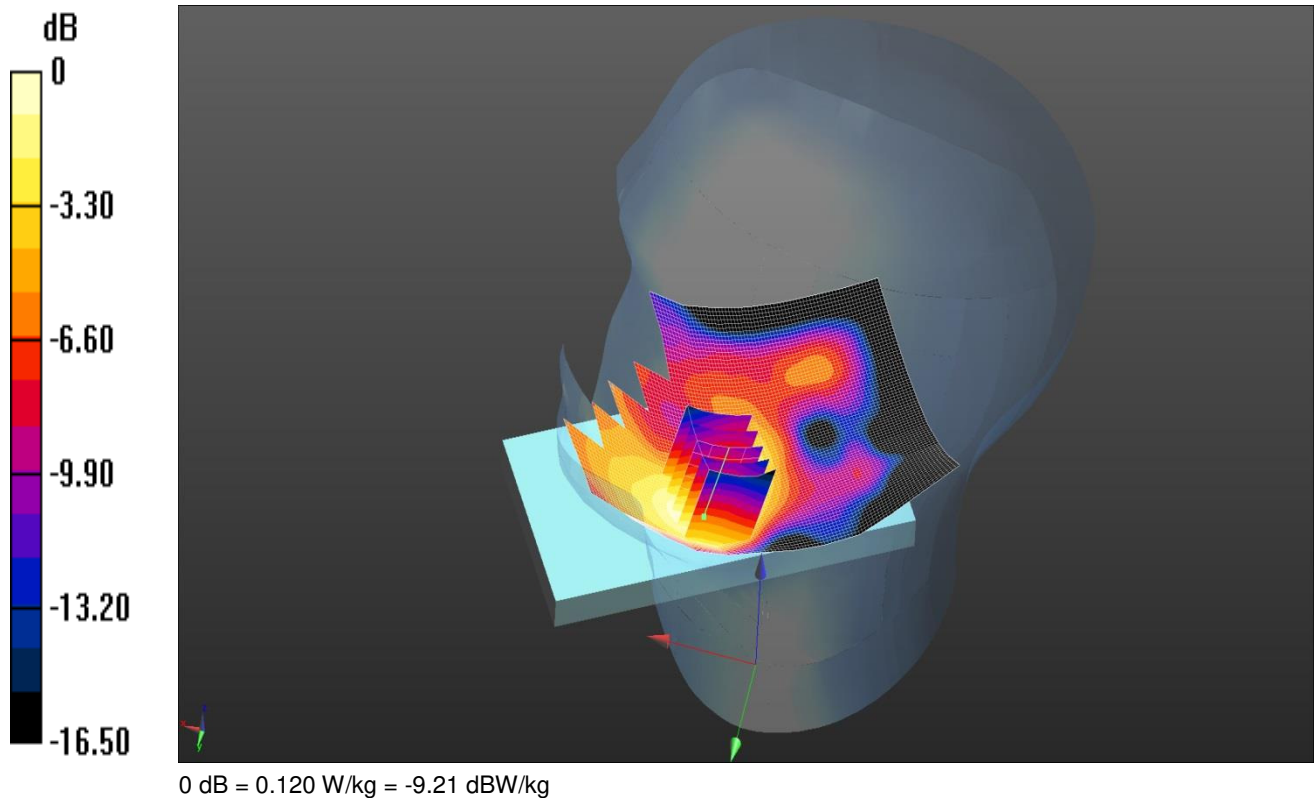
Peak SAR (extrapolated) = 0.315 W/kg

**SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.099 W/kg**

Maximum value of SAR (measured) = 0.203 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/m<sup>3</sup>

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) = 0.134 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 = 9.773 V/m; Power Drift = 0.08 dB

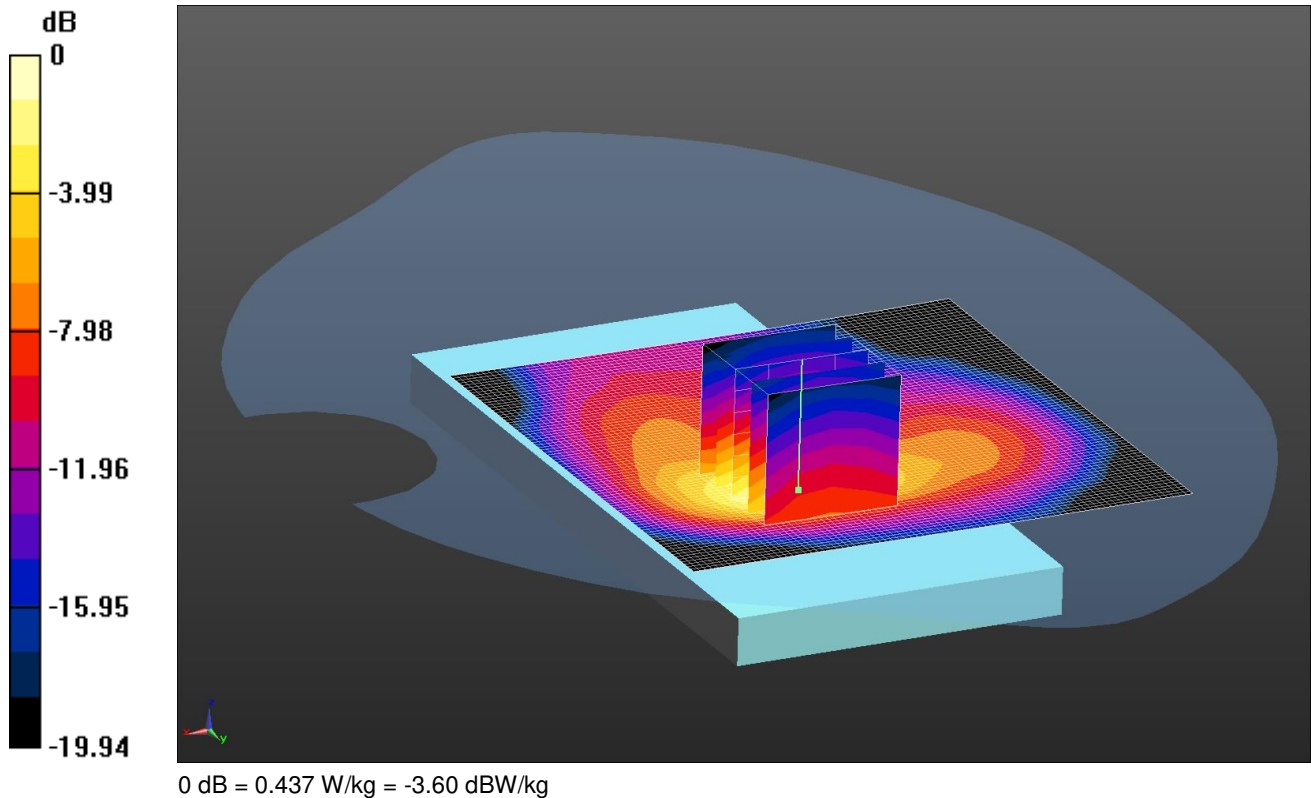
Peak SAR (extrapolated) = 0.173 W/kg

**SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.070 W/kg**

Maximum value of SAR (measured) = 0.120 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/m<sup>3</sup>

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) = 0.361 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 = 5.364 V/m; Power Drift = 0.12 dB

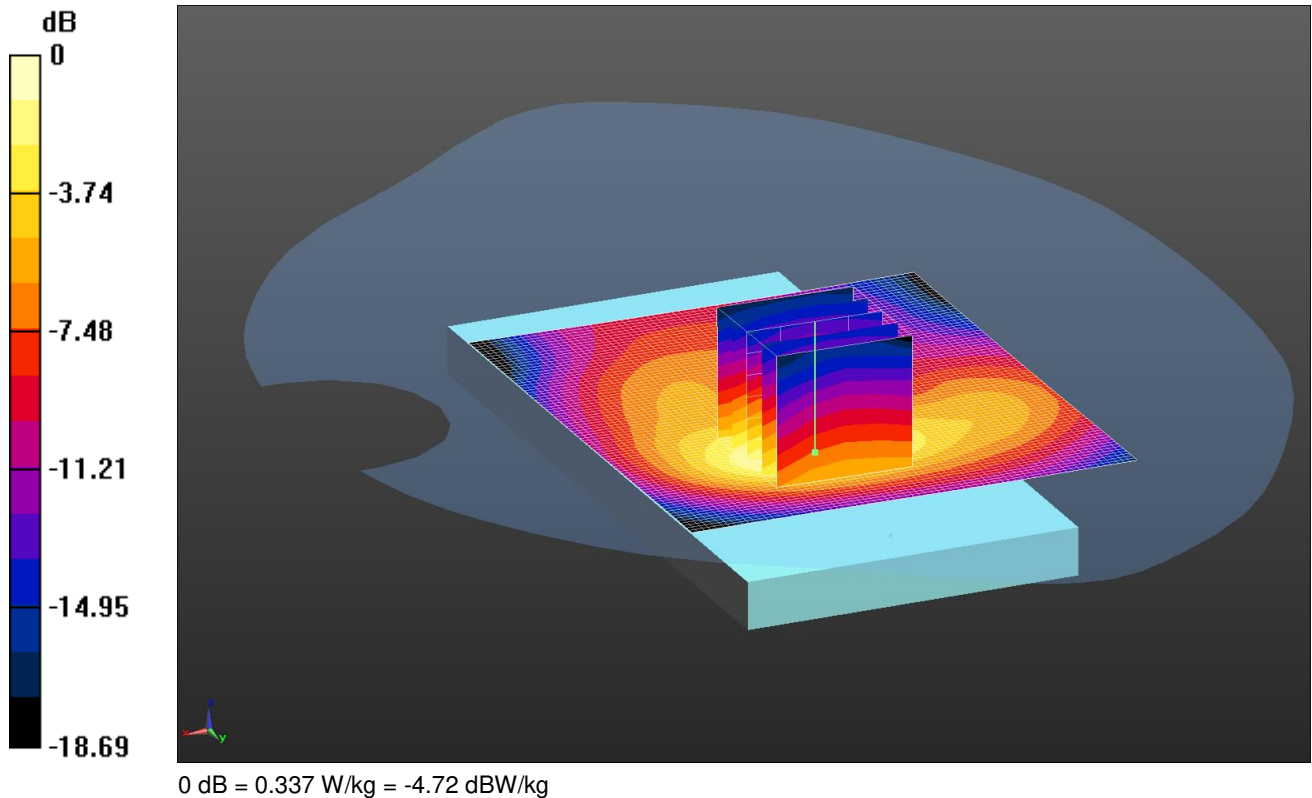
Peak SAR (extrapolated) = 0.718 W/kg

**SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.190 W/kg**

Maximum value of SAR (measured) = 0.437 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/m<sup>3</sup>

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) = 0.328 W/kg

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

Reference Value = 8.720 V/m; Power Drift = -0.05 dB

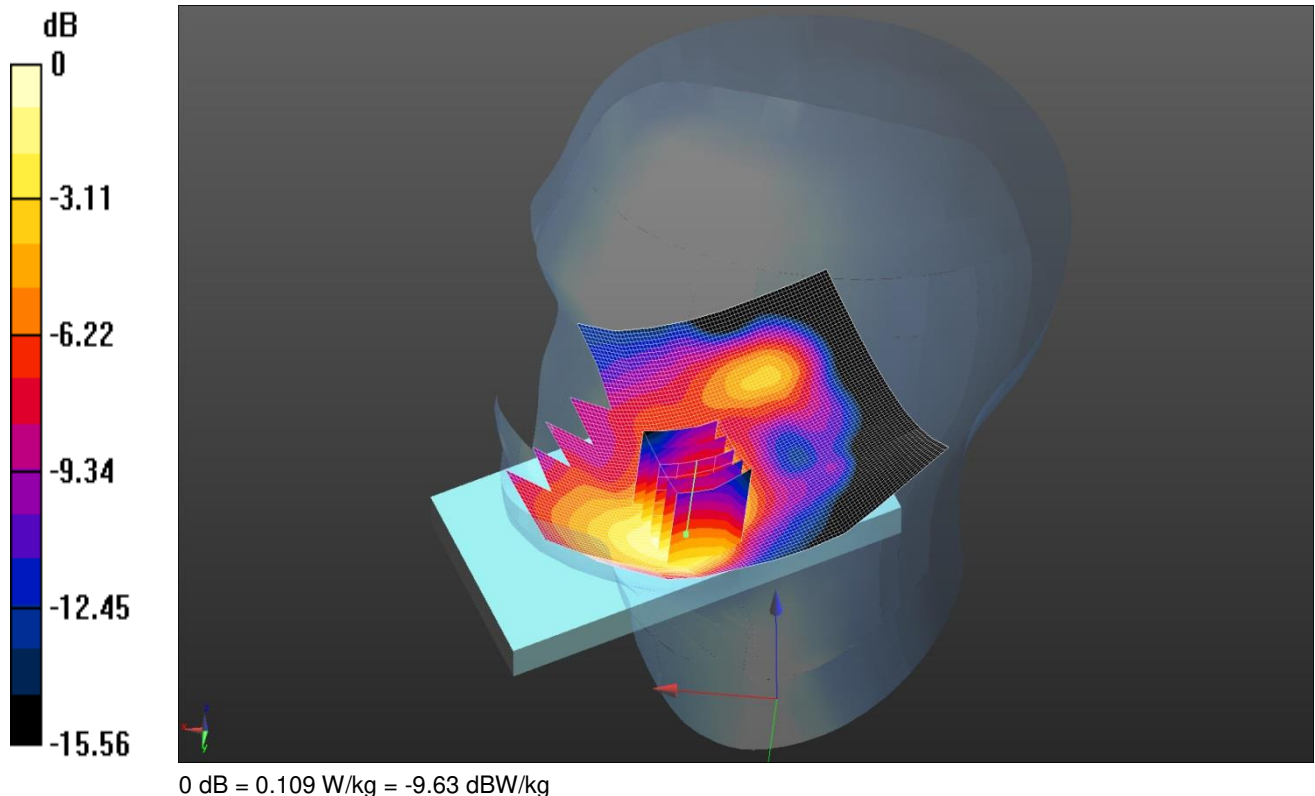
Peak SAR (extrapolated) = 0.522 W/kg

**SAR(1 g) = 0.302 W/kg; SAR(10 g) = 0.165 W/kg**

Maximum value of SAR (measured) = 0.337 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/m<sup>3</sup>

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) = 0.103 W/kg

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

Reference Value = 9.624 V/m; Power Drift = -0.08 dB

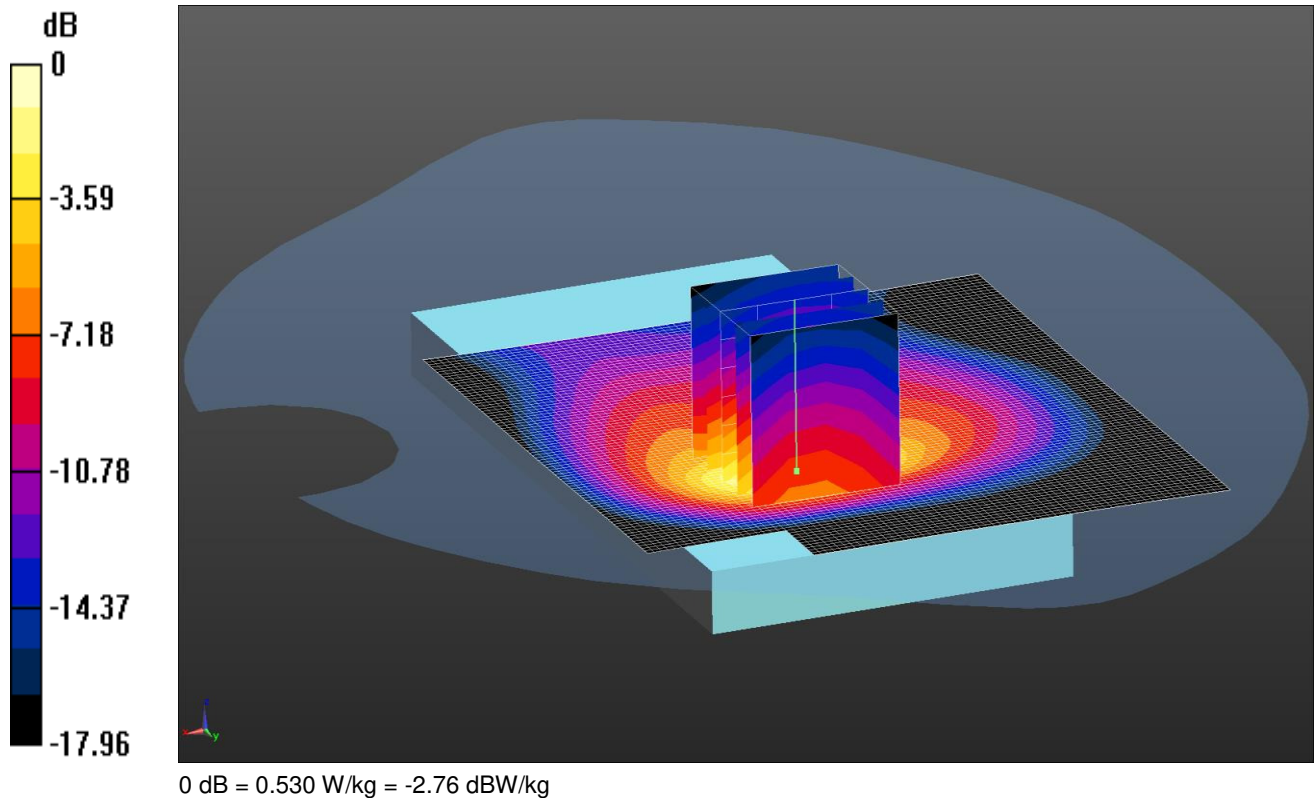
Peak SAR (extrapolated) = 0.137 W/kg

**SAR(1 g) = 0.095 W/kg; SAR(10 g) = 0.062 W/kg**

Maximum value of SAR (measured) = 0.109 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/m<sup>3</sup>

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 2/Area Scan 2 2 (81x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.541 W/kg

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

Reference Value = 18.75 V/m; Power Drift = 0.04 dB

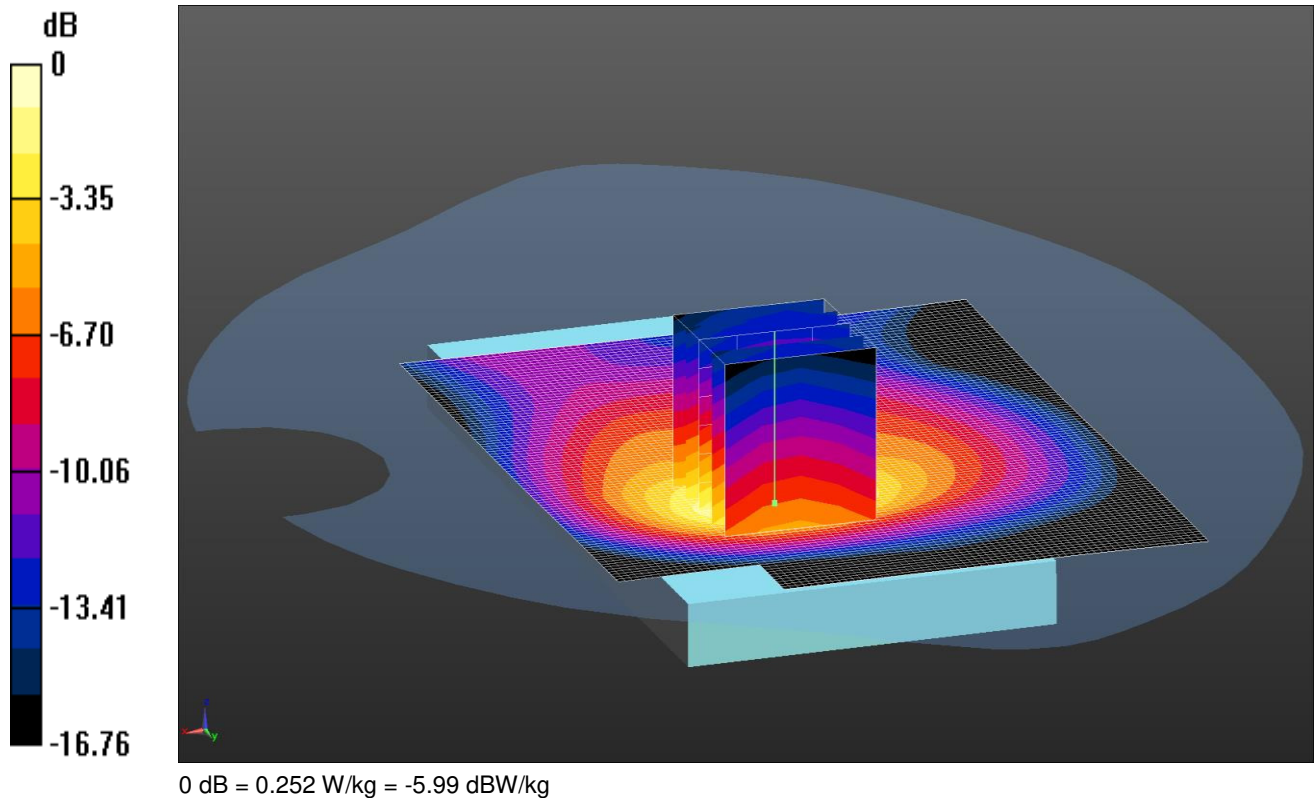
Peak SAR (extrapolated) = 0.858 W/kg

**SAR(1 g) = 0.460 W/kg; SAR(10 g) = 0.231 W/kg**

Maximum value of SAR (measured) = 0.530 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/m<sup>3</sup>

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) = 0.245 W/kg

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

Reference Value = 12.93 V/m; Power Drift = 0.01 dB

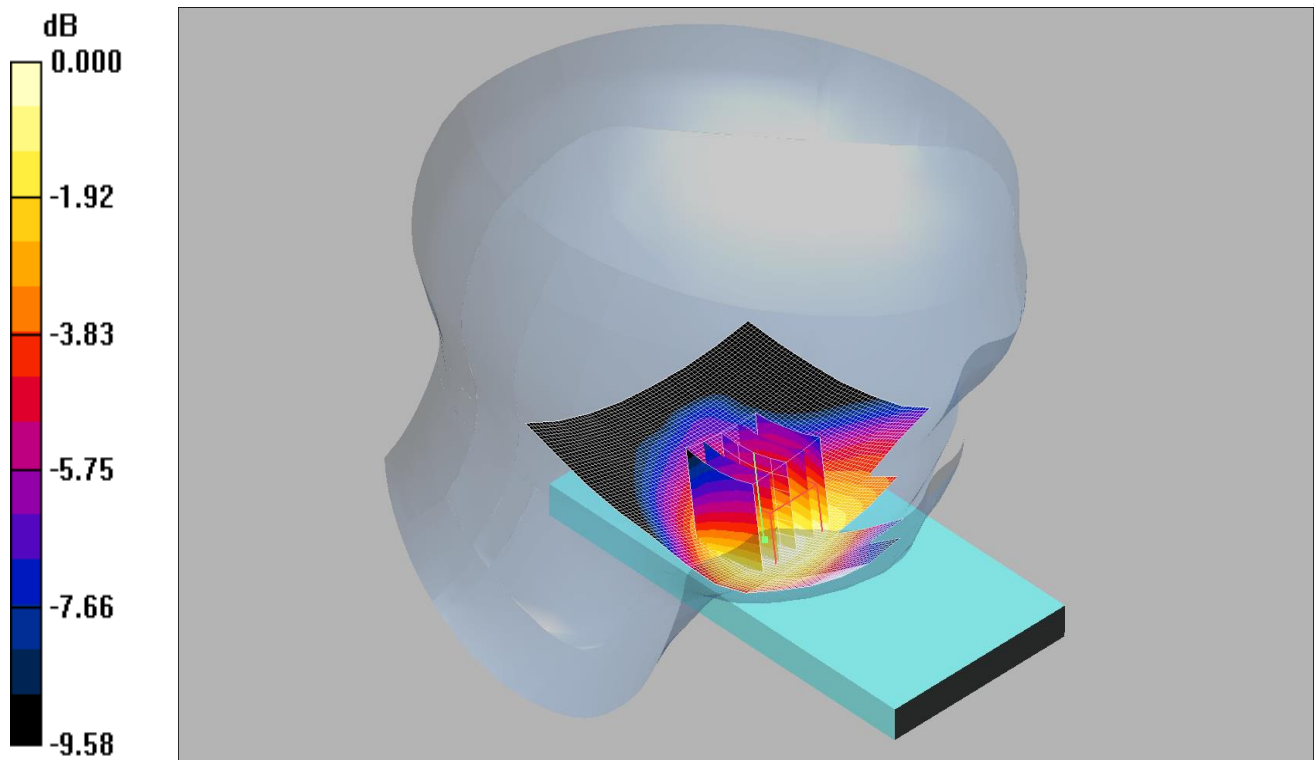
Peak SAR (extrapolated) = 0.383 W/kg

**SAR(1 g) = 0.224 W/kg; SAR(10 g) = 0.124 W/kg**

Maximum value of SAR (measured) = 0.252 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/m<sup>3</sup>

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) = 0.182 mW/g

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

Reference Value = 4.76 V/m; Power Drift = 0.007 dB

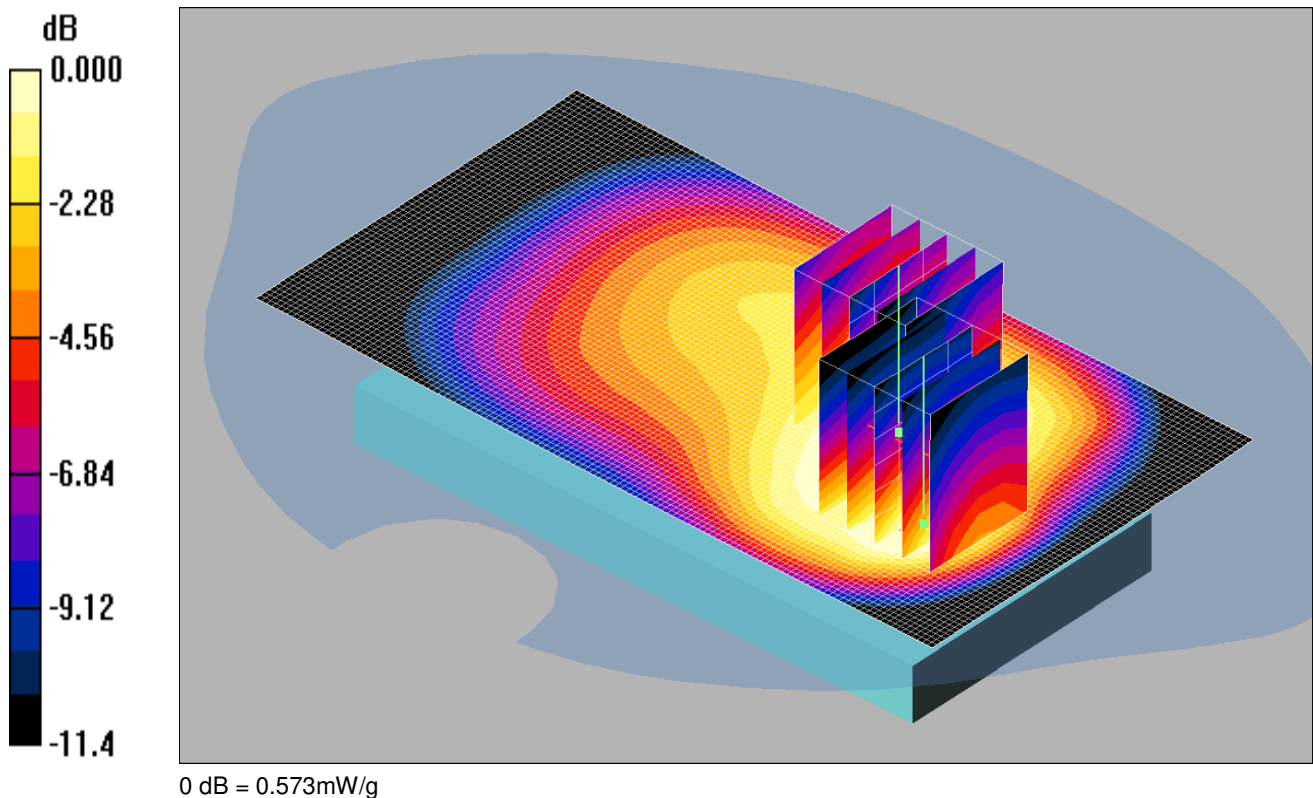
Peak SAR (extrapolated) = 0.225 W/kg

**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/m<sup>3</sup>

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) = 0.790 mW/g

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

Reference Value = 18.0 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 0.860 W/kg

**SAR(1 g) = 0.518 mW/g; SAR(10 g) = 0.312 mW/g**

Maximum value of SAR (measured) = 0.559 mW/g

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

Reference Value = 18.0 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 0.719 W/kg

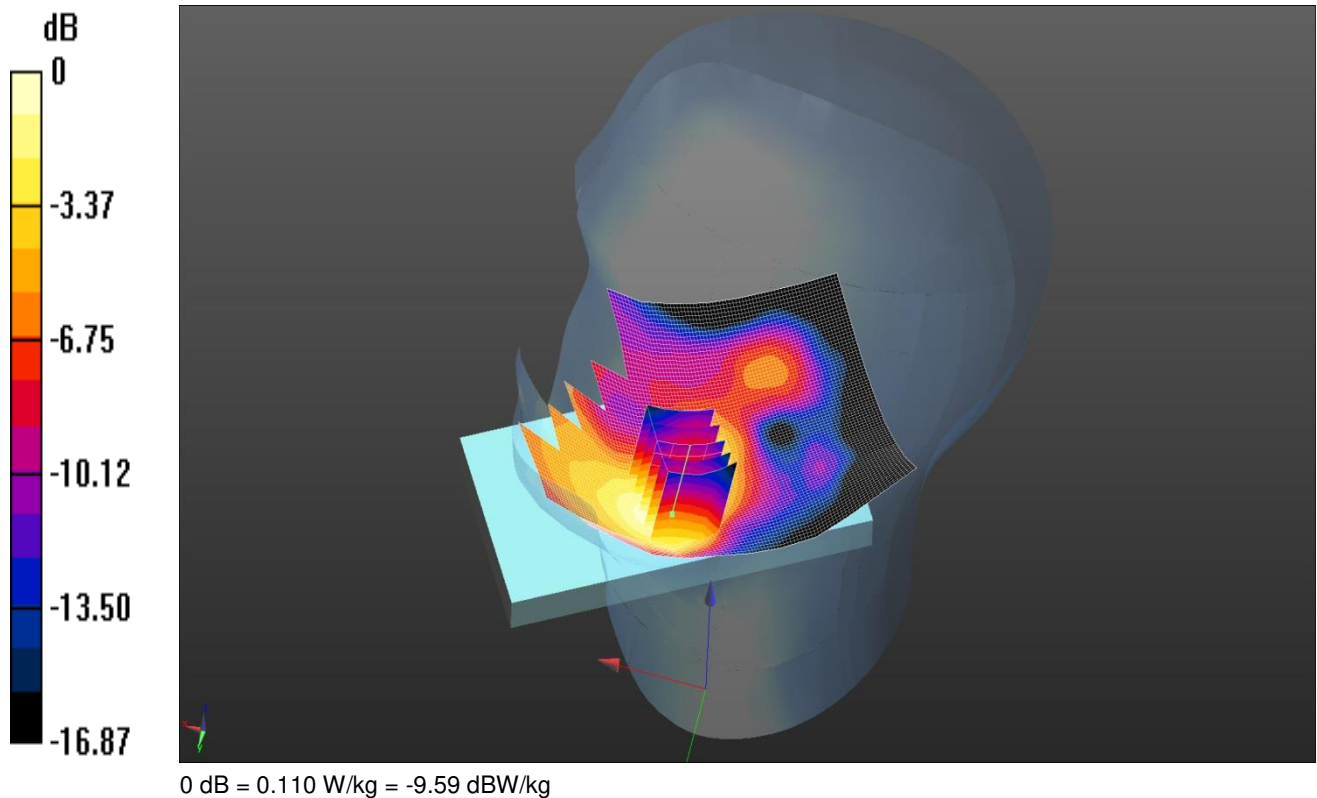
**SAR(1 g) = 0.538 mW/g; SAR(10 g) = 0.385 mW/g**

Maximum value of SAR (measured) = 0.573 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; FCC ID: 2AIP8I



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/m<sup>3</sup>

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) = 0.115 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 = 8.873 V/m; Power Drift = 0.16 dB

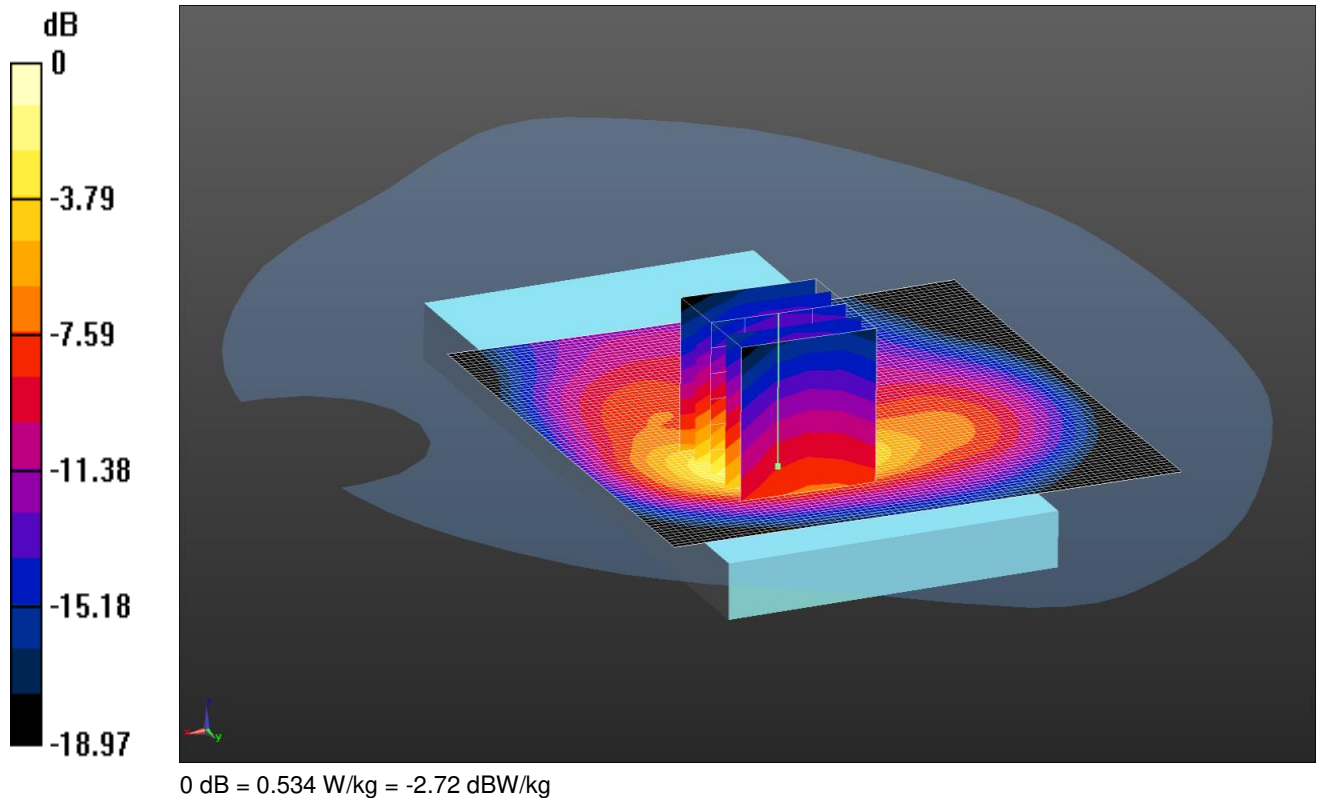
Peak SAR (extrapolated) = 0.157 W/kg

**SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.064 W/kg**

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

Date: 5/5/2016

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



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/m<sup>3</sup>

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 (81x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.472 W/kg

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

Reference Value = 17.62 V/m; Power Drift = 0.01 dB

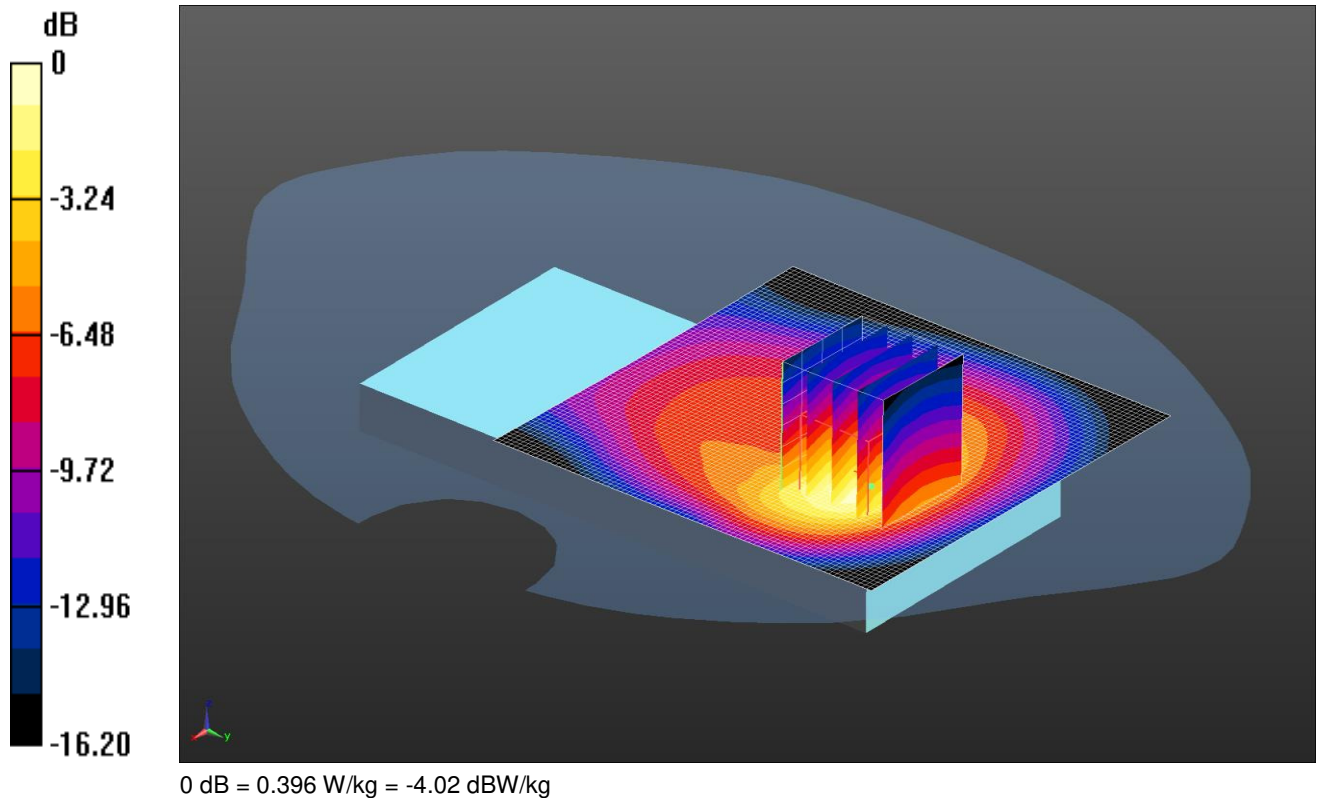
Peak SAR (extrapolated) = 0.868 W/kg

**SAR(1 g) = 0.470 W/kg; SAR(10 g) = 0.237 W/kg**

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

Date: 7/5/2016

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



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/m<sup>3</sup>  
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) = 0.371 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 = 6.518 V/m; Power Drift = 0.02 dB

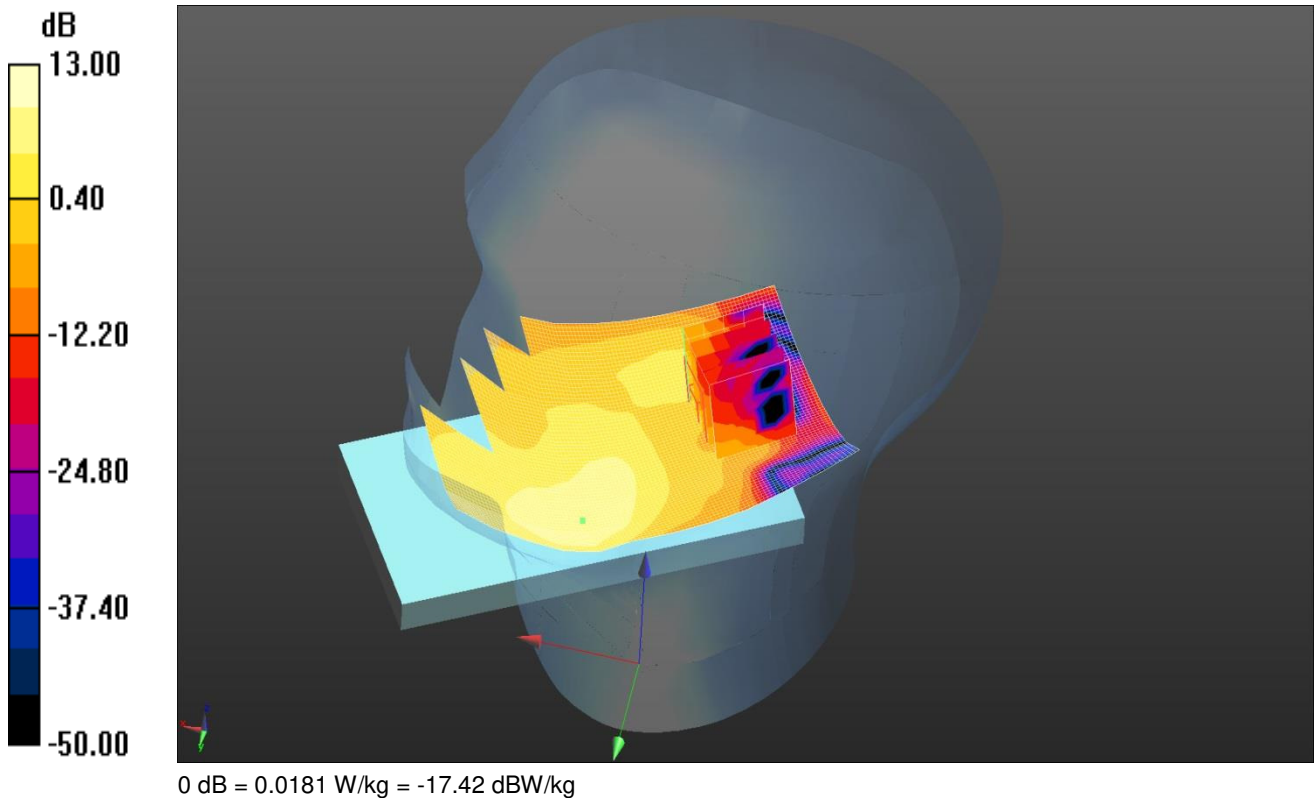
Peak SAR (extrapolated) = 0.610 W/kg

**SAR(1 g) = 0.362 W/kg; SAR(10 g) = 0.203 W/kg**

Maximum value of SAR (measured) = 0.396 W/kg

Date: 26/4/2016

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/m<sup>3</sup>  
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) = 0.107 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 = 1.950 V/m; Power Drift = 0.54 dB

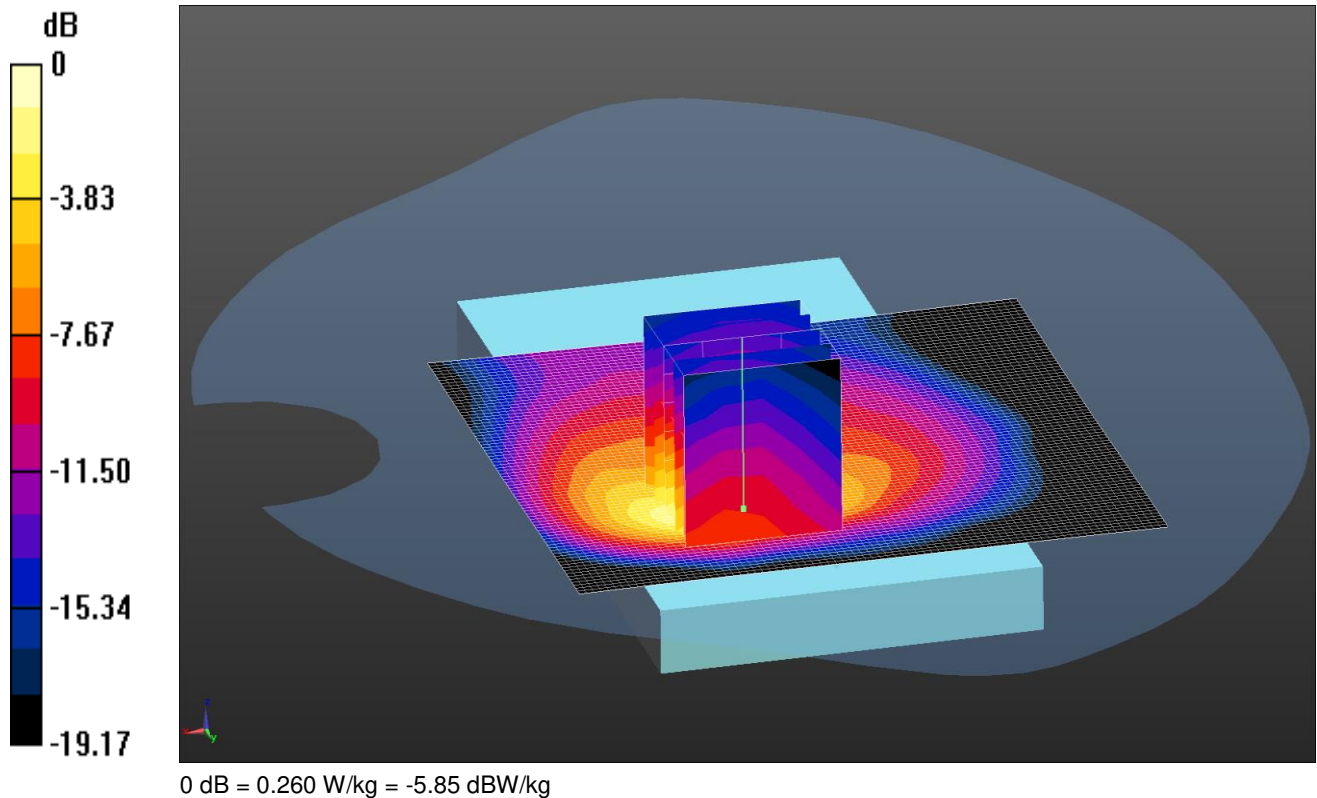
Peak SAR (extrapolated) = 0.0240 W/kg

**SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00438 W/kg**

Maximum value of SAR (measured) = 0.0181 W/kg

Date: 4/5/2016

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



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/m<sup>3</sup>

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/Area Scan (81x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.239 W/kg

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

Reference Value = 12.77 V/m; Power Drift = 0.01 dB

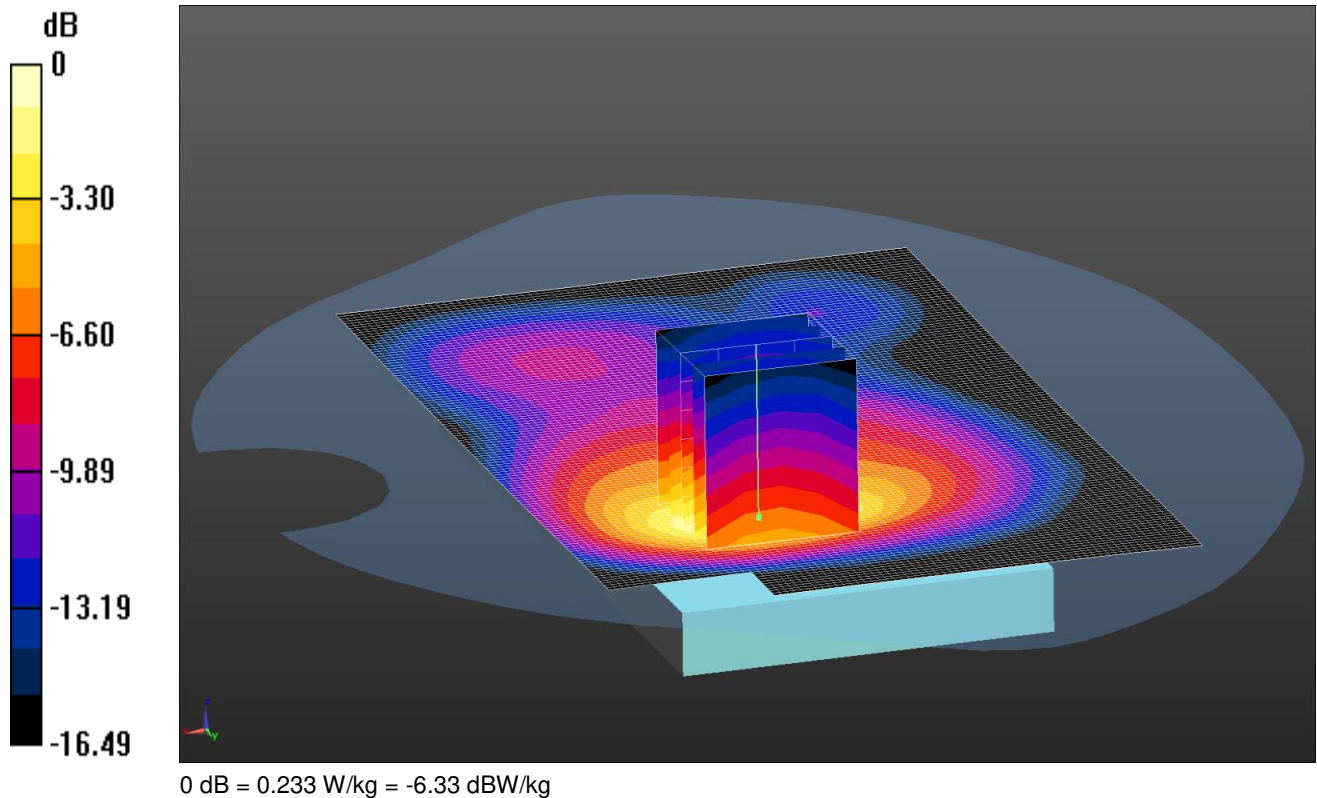
Peak SAR (extrapolated) = 0.423 W/kg

**SAR(1 g) = 0.227 W/kg; SAR(10 g) = 0.114 W/kg**

Maximum value of SAR (measured) = 0.260 W/kg

Date: 28/4/2016

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 MSL Medium parameters used (interpolated):  $f = 1745$  MHz;  $\sigma = 1.48$  S/m;  $\epsilon_r = 52.804$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
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) = 0.230 W/kg

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

Reference Value = 12.44 V/m; Power Drift = 0.08 dB

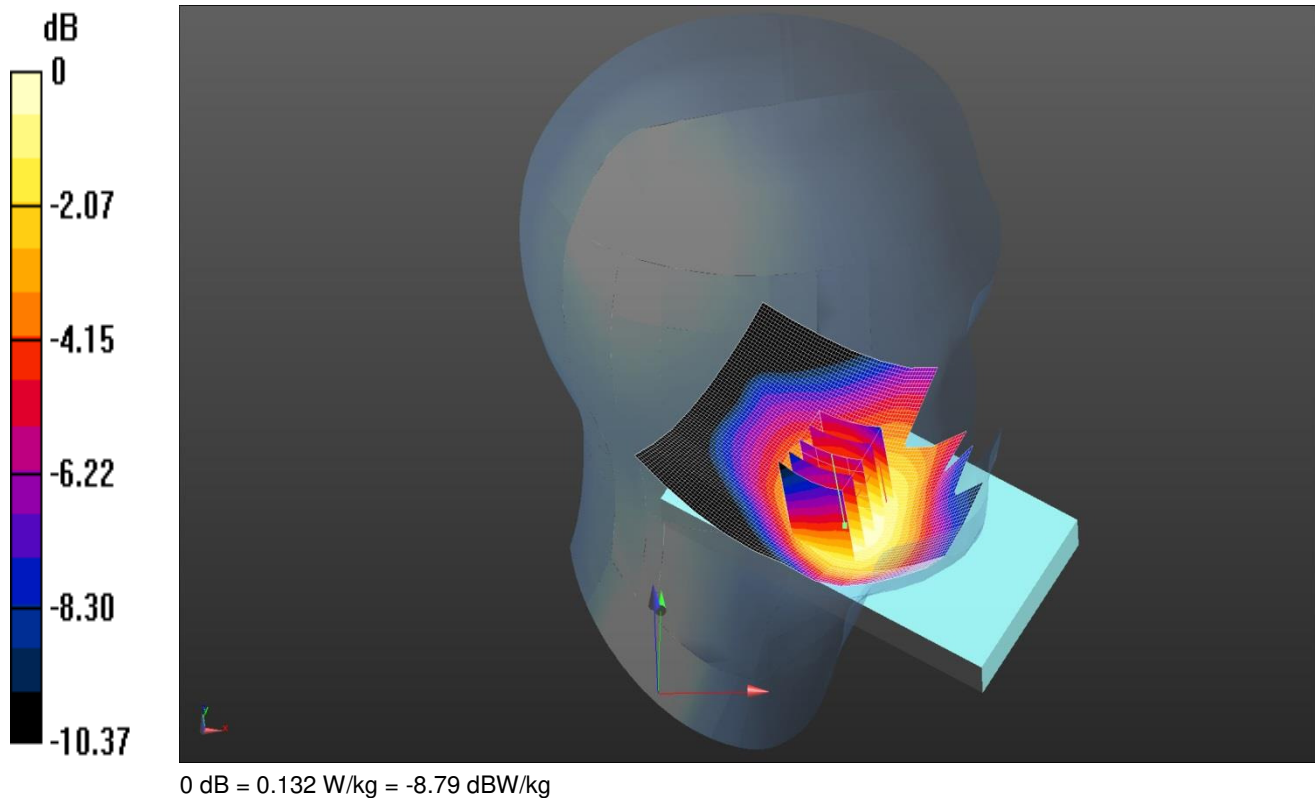
Peak SAR (extrapolated) = 0.353 W/kg

**SAR(1 g) = 0.208 W/kg; SAR(10 g) = 0.116 W/kg**

Maximum value of SAR (measured) = 0.233 W/kg

Date: 21/4/2016

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



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/m<sup>3</sup>  
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) = 0.135 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 = 4.329 V/m; Power Drift = 0.09 dB

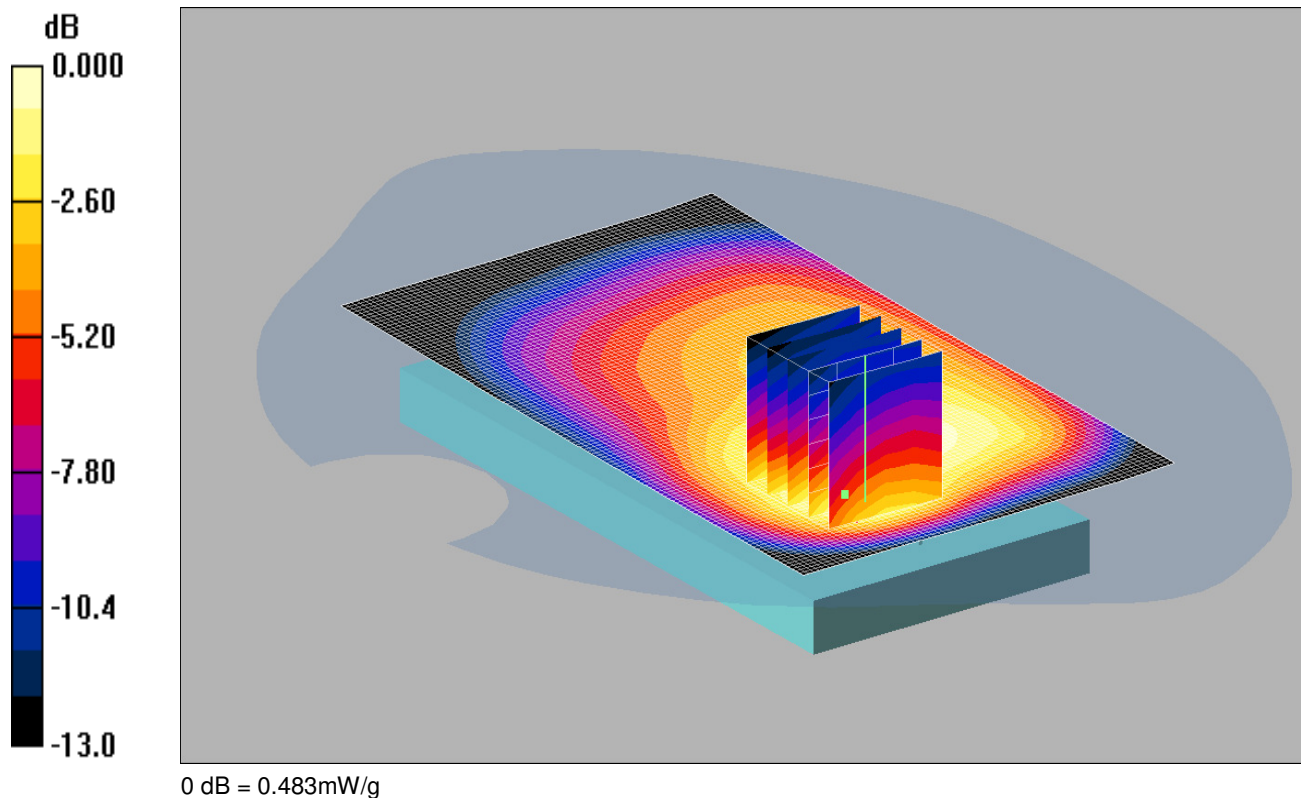
Peak SAR (extrapolated) = 0.152 W/kg

**SAR(1 g) = 0.121 W/kg; SAR(10 g) = 0.094 W/kg**

Maximum value of SAR (measured) = 0.132 W/kg

Date: 09/05/2016

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



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/m<sup>3</sup>  
Phantom section: Flat Section

DASY4 Configuration:

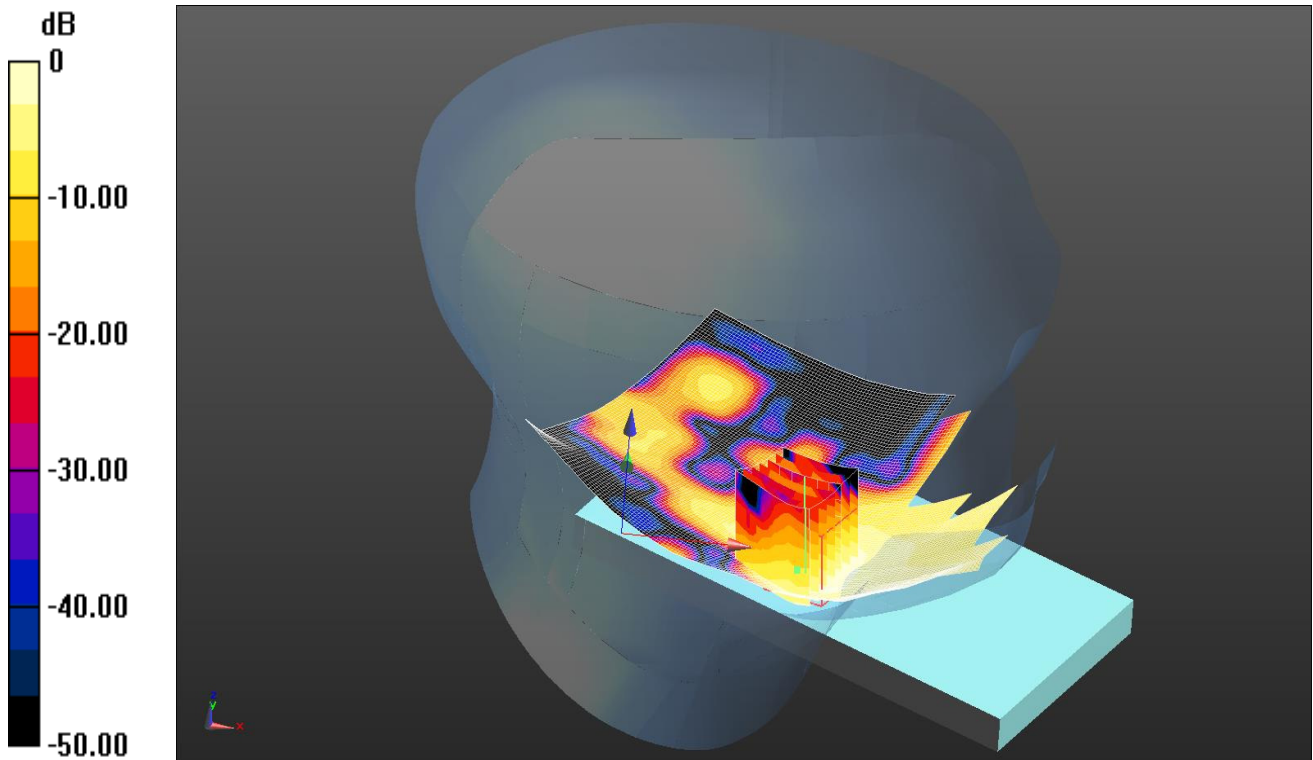
- Probe: ET3DV6 - SN1528; ConvF(6.05, 6.05, 6.05);
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn450; Calibrated: 28/09/2015
- Phantom: SAM 12a (Site 56); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

**Back 1RB Middle - Hotspot - PBx/Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.488 mW/g

**Back 1RB Middle - Hotspot - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 15.7 V/m; Power Drift = 0.039 dB  
Peak SAR (extrapolated) = 0.871 W/kg  
**SAR(1 g) = 0.401 mW/g; SAR(10 g) = 0.232 mW/g**  
Maximum value of SAR (measured) = 0.483 mW/g

Date: 26/04/2016

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

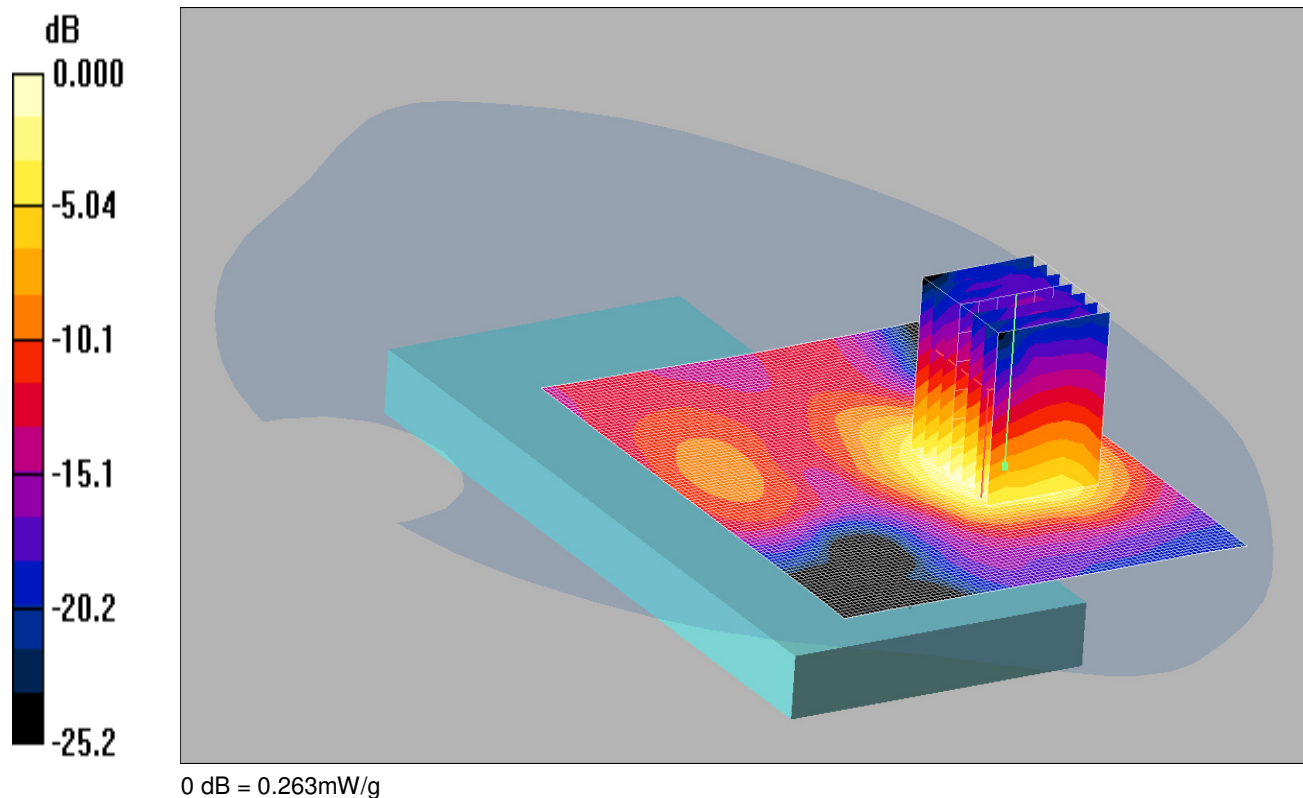


0 dB = 0.0918 W/kg = -10.37 dBW/kg

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/m<sup>3</sup>  
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) = 0.0737 W/kg  
**Configuration/Touch Left 1RB Low - Head - PB0/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 3.583 V/m; Power Drift = 0.35 dB  
Peak SAR (extrapolated) = 0.135 W/kg  
**SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.031 W/kg**  
Maximum value of SAR (measured) = 0.0918 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/m<sup>3</sup>  
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 Middle - Hotspot - PB1/Area Scan (91x101x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.286 mW/g

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

Reference Value = 10.4 V/m; Power Drift = -0.062 dB

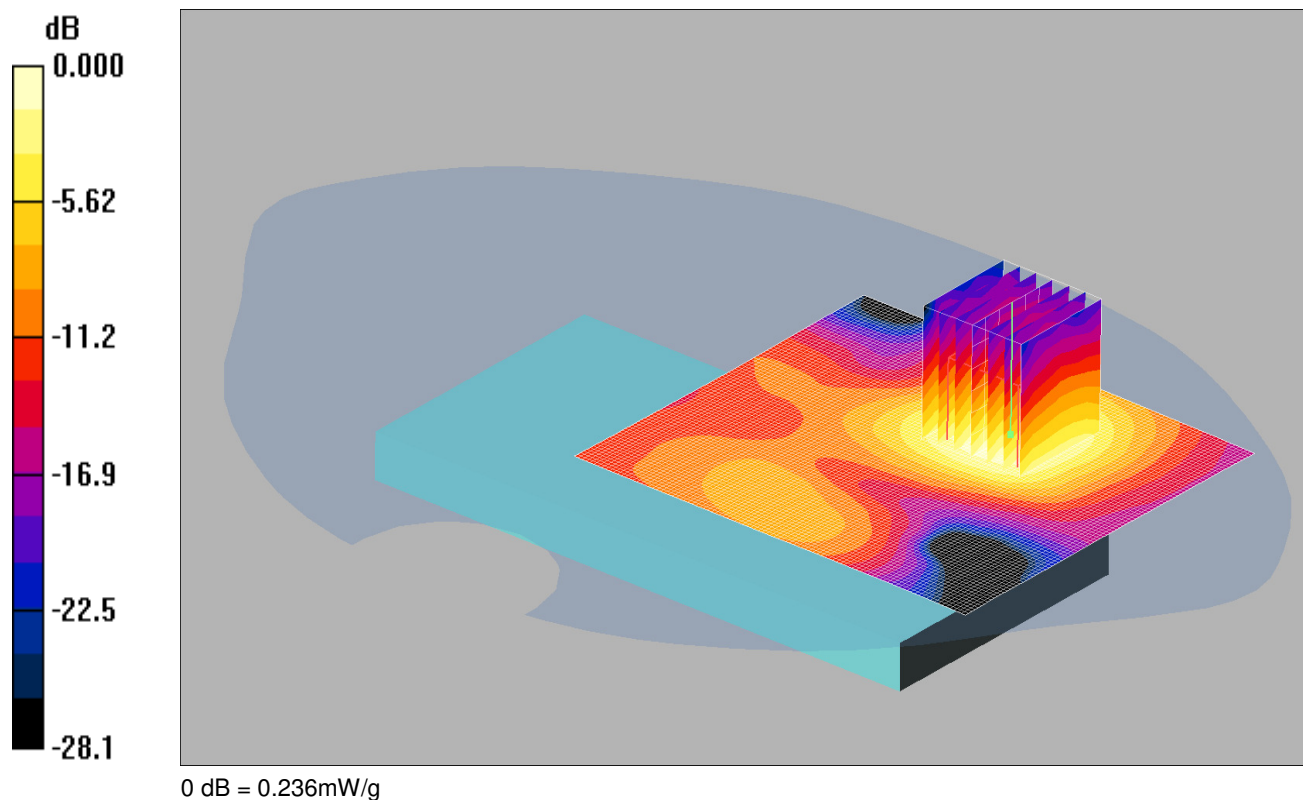
Peak SAR (extrapolated) = 0.464 W/kg

**SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.108 mW/g**

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

Date: 11/05/2016

**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/m<sup>3</sup>  
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) = 0.250 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 = 9.32 V/m; Power Drift = 0.132 dB

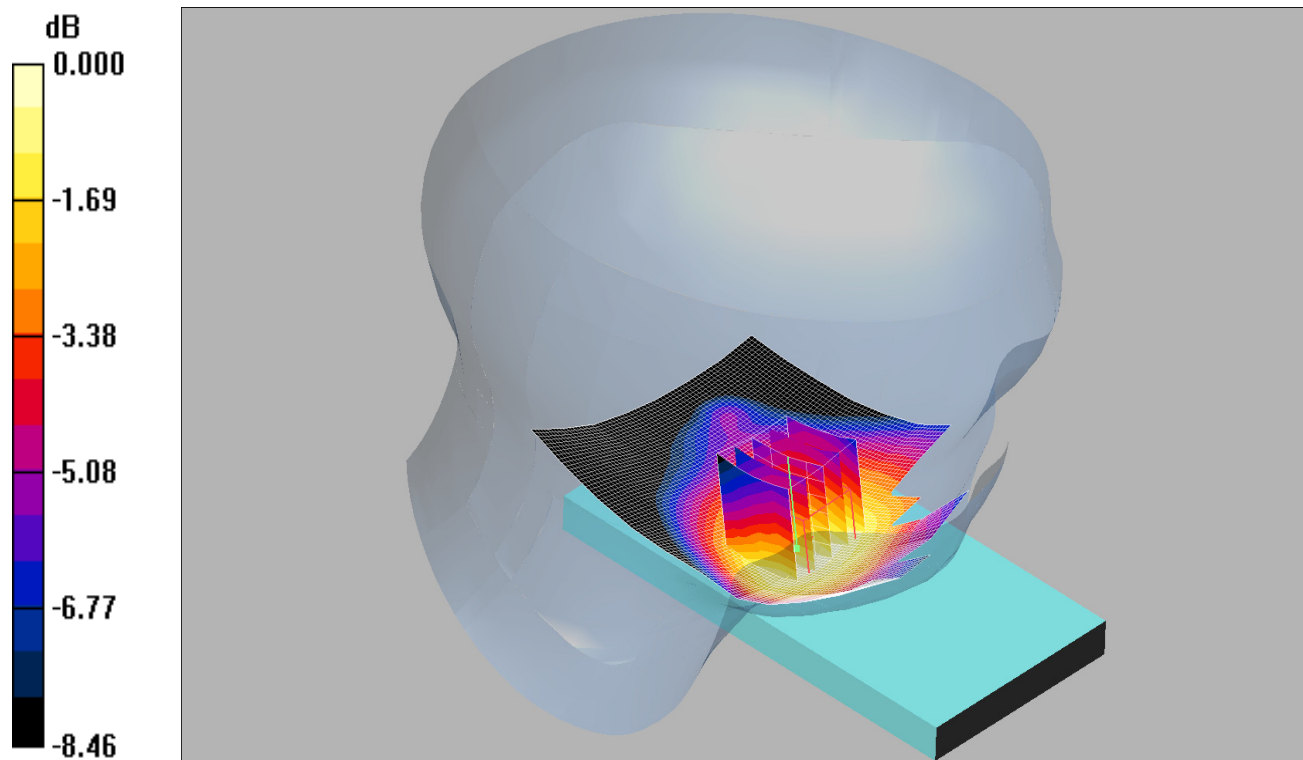
Peak SAR (extrapolated) = 0.389 W/kg

**SAR(1 g) = 0.190 mW/g; SAR(10 g) = 0.099 mW/g**

Maximum value of SAR (measured) = 0.236 mW/g

Date: 16/04/2016

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



0 dB = 0.040mW/g

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/m<sup>3</sup>  
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) = 0.041 mW/g

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

Reference Value = 2.38 V/m; Power Drift = 0.070 dB

Peak SAR (extrapolated) = 0.047 W/kg

**SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.028 mW/g**

Maximum value of SAR (measured) = 0.040 mW/g