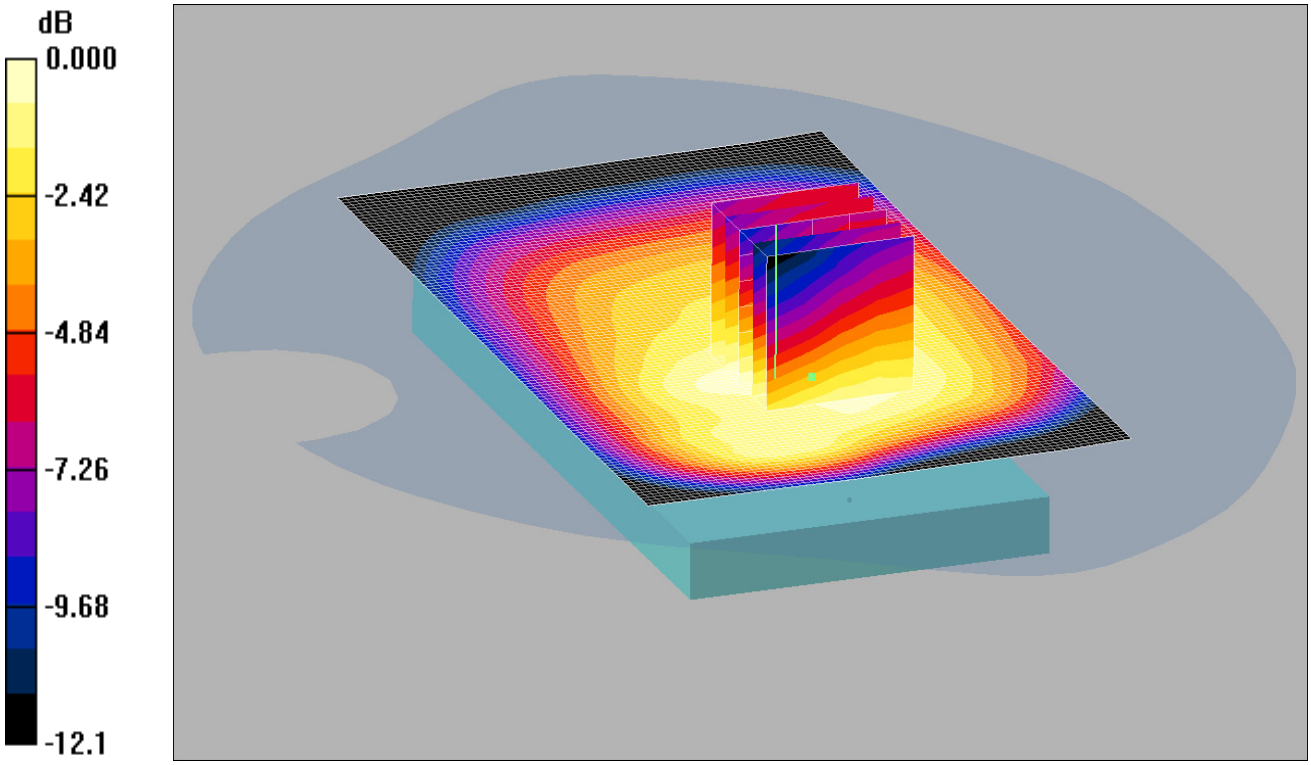
SAR/389: Back of EUT Hotspot LTE 13 10MHz 1RB High CH23230 Flavor 1

Date: 13/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I 6



0 dB = 0.290mW/g

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; σ = 0.949 mho/m; ε_r = 54.5; ρ = 1000 kg/m^3
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) = 0.285 mW/g
Back 1RB High - Hotspot - PBx 3/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.9 V/m; Power Drift = 0.015 dB
Peak SAR (extrapolated) = 0.365 W/kg
SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.200 mW/g

Maximum value of SAR (measured) = 0.290 mW/g

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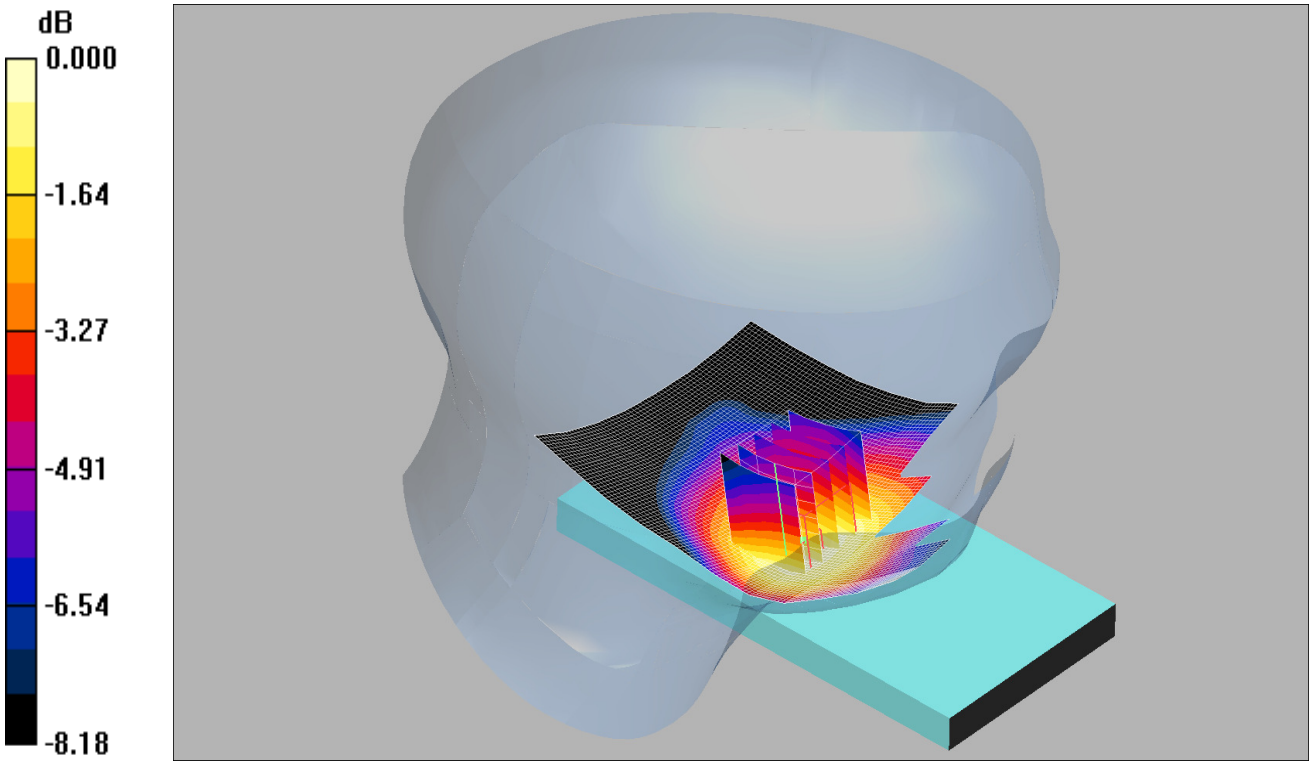
SAR/390: Touch Left LTE FDD 17 10MHz 1RB High CH23790 - Flavor 1

Date: 19/04/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I 6



0 dB = 0.045mW/g

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; σ = 0.838 mho/m; ε_r = 40.4; ρ = 1000 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=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 = 2.49 V/m; Power Drift = 0.046 dB
Peak SAR (extrapolated) = 0.054 W/kg
SAR(1 g) = 0.041 mW/g; SAR(10 g) = 0.032 mW/g
Maximum value of SAR (measured) = 0.045 mW/g

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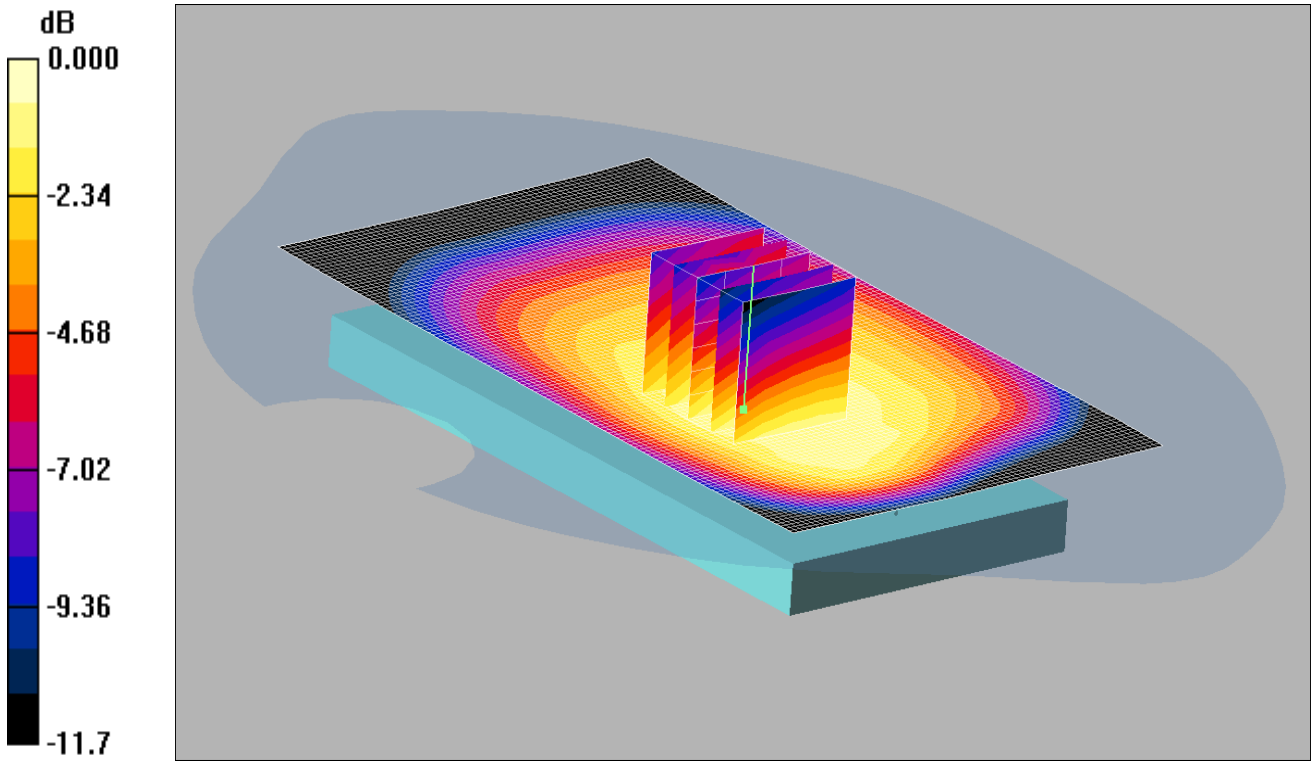
SAR/391: Back of EUT Hotspot LTE 17 10MHz 1RB High CH23780 Flavor 1

Date: 17/05/2016

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



0 dB = 0.175mW/g

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; σ = 0.904 mho/m; ε_r = 54.2; ρ = 1000 kg/m^3
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) = 0.164 mW/g

Back 1RB High - Hotspot - PBx 3/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.4 V/m; Power Drift = 0.080 dB
Peak SAR (extrapolated) = 0.214 W/kg
SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.116 mW/g
Maximum value of SAR (measured) = 0.175 mW/g

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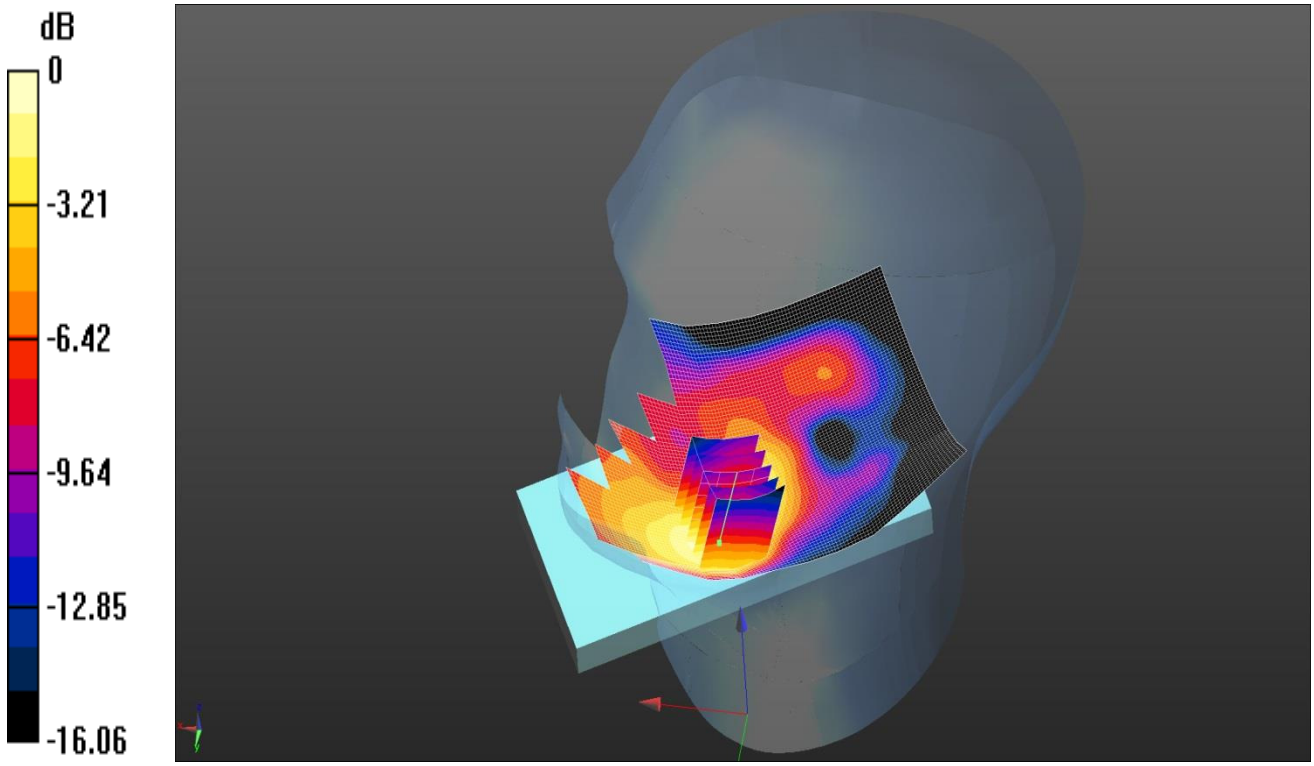
SAR/392: Touch Right LTE Band 25 FDD 20 MHz 1 RB Low CH26140 - Flavor 1

Date: 19/4/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.158 W/kg = -8.01 dBW/kg

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; σ = 1.392 S/m; ε_r = 39.173; ρ = 1000 kg/m^3
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) = 0.154 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 = 10.61 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.229 W/kg
SAR(1 g) = 0.150 W/kg; SAR(10 g) = 0.094 W/kg
Maximum value of SAR (measured) = 0.158 W/kg

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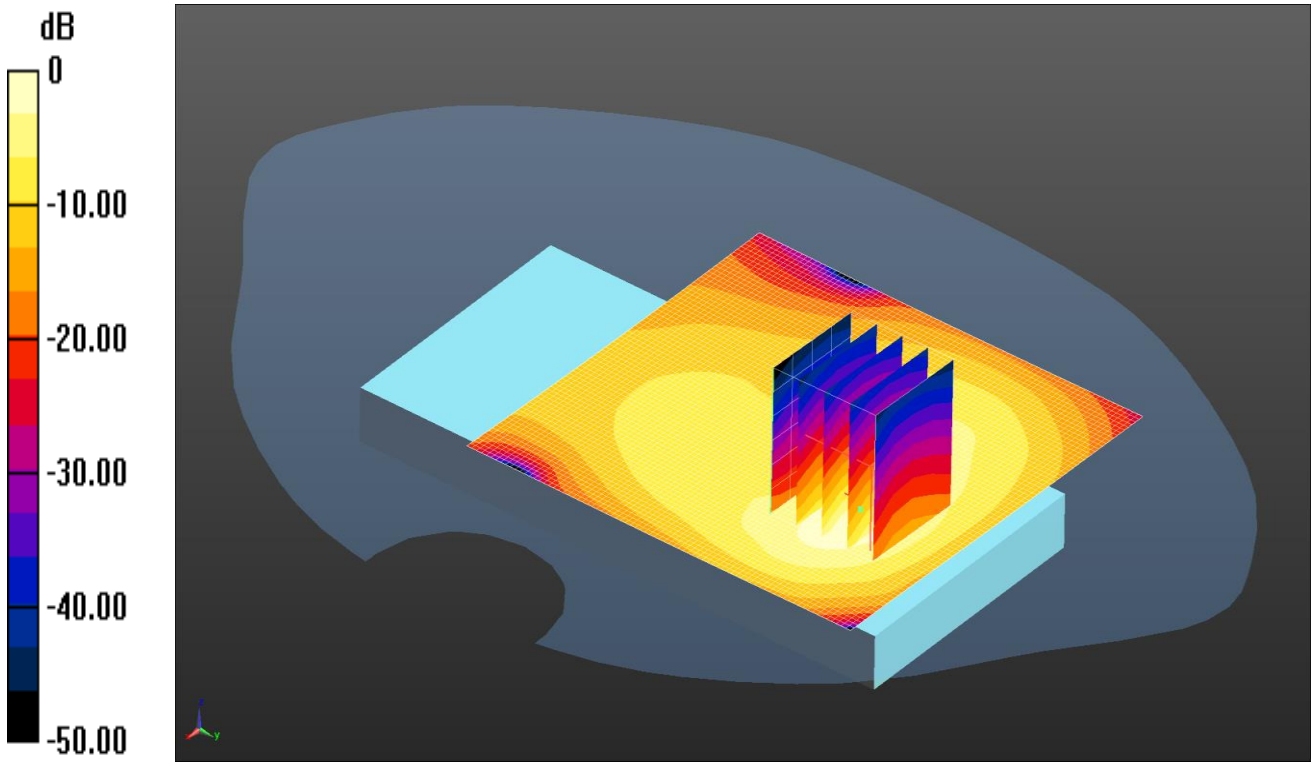
SAR/393: Back of EUT Hotspot LTE Band 25 20 MHz 1RB Low CH26590 - Flavor 1

Date: 9/5/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.433 W/kg = -3.63 dBW/kg

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; σ = 1.507 S/m; ε_r = 51.761; ρ = 1000 kg/m^3
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) = 0.433 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 = 8.666 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.711 W/kg
SAR(1 g) = 0.385 W/kg; SAR(10 g) = 0.195 W/kg

Maximum value of SAR (measured) = 0.440 W/kg

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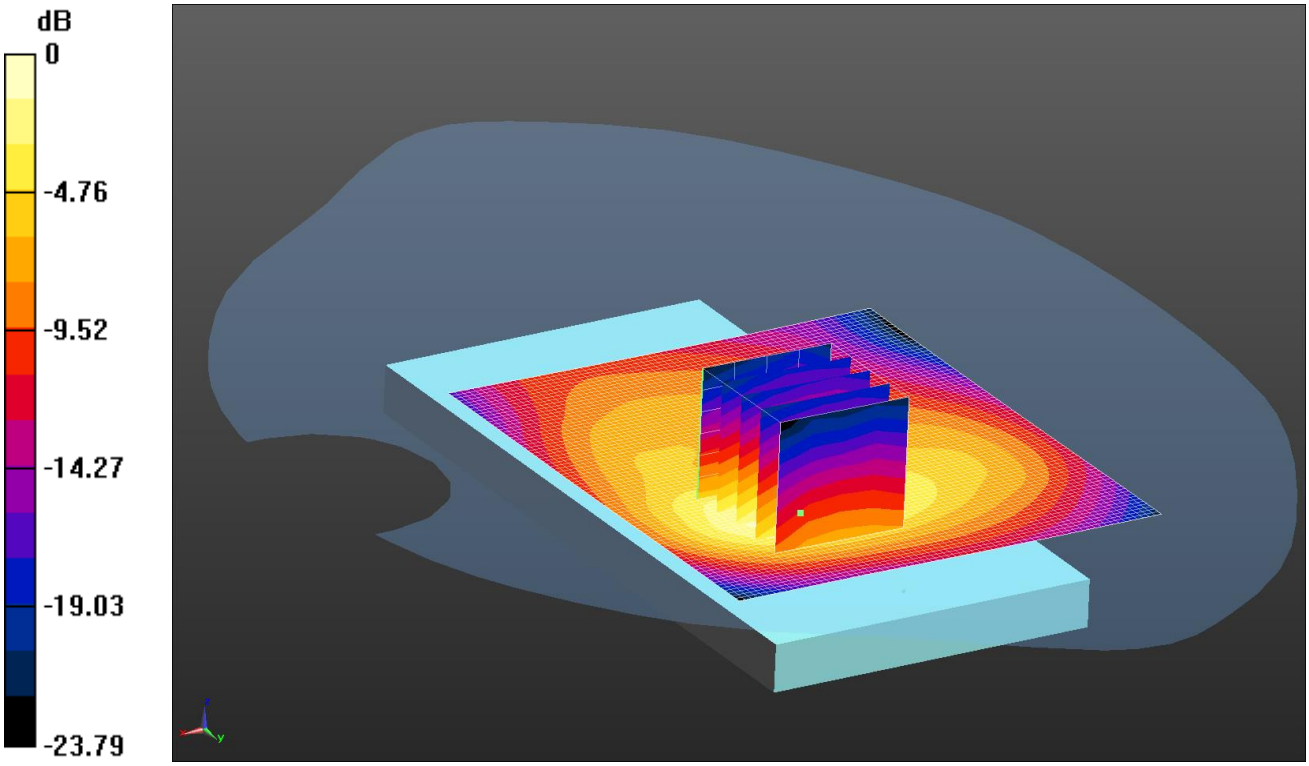
SAR/394: Back of EUT LTE Band 25 20 MHz 1RB Low CH26140 - Flavor1

Date: 16/05/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.329 W/kg = -4.82 dBW/kg

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; σ = 1.495 S/m; ε_r = 51.771; ρ = 1000 kg/m^3
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) = 0.329 W/kg
Configuration/Back 1RB Low - Bodyworn - PB0/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.716 V/m; Power Drift = 0.21 dB
Peak SAR (extrapolated) = 0.527 W/kg
SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.167 W/kg

Maximum value of SAR (measured) = 0.345 W/kg

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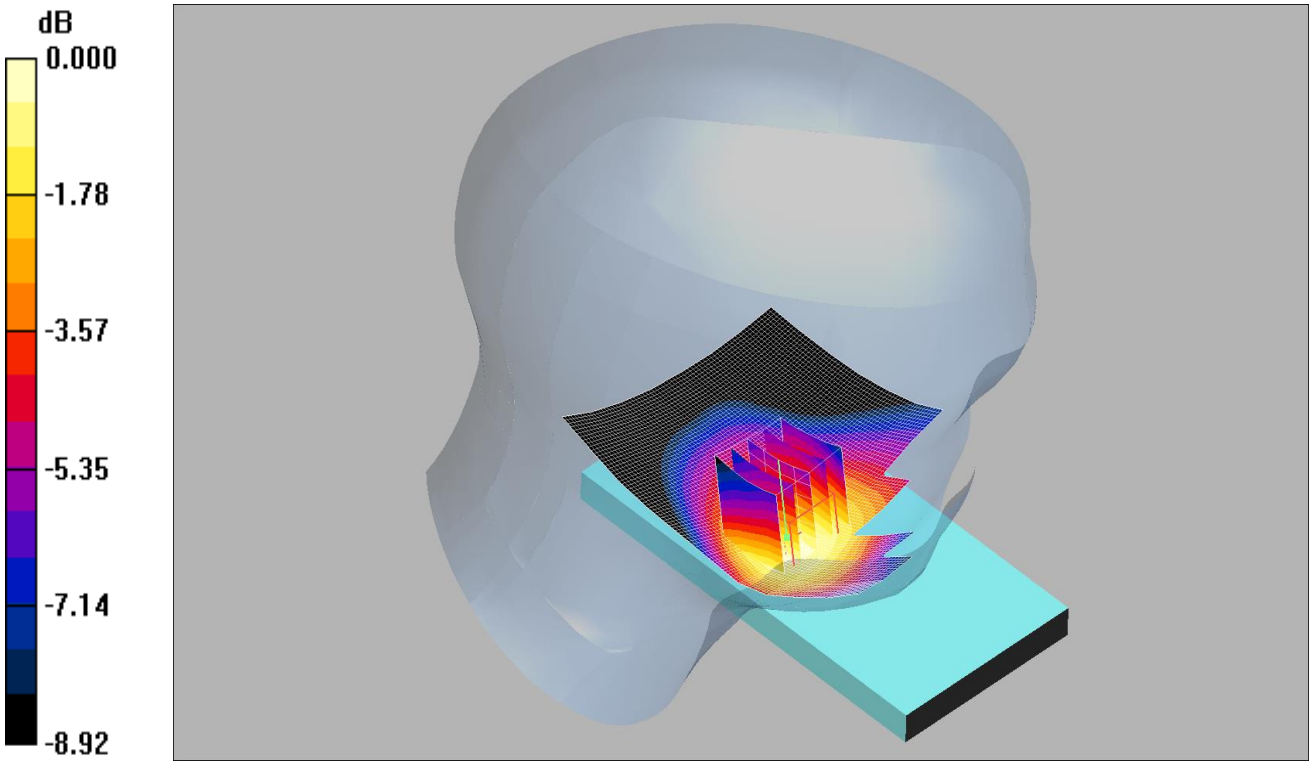
SAR/395: Touch Left LTE FDD 26 15MHz 1RB Low CH26865 - Flavor 1

Date: 06/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I 6



0 dB = 0.137mW/g

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; σ = 0.909 mho/m; ε_r = 40.3; ρ = 1000 kg/m^3
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 (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.132 mW/g
Touch Left 1RB Low - Head - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.6 V/m; Power Drift = 0.113 dB
Peak SAR (extrapolated) = 0.156 W/kg
SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.100 mW/g
Maximum value of SAR (measured) = 0.137 mW/g

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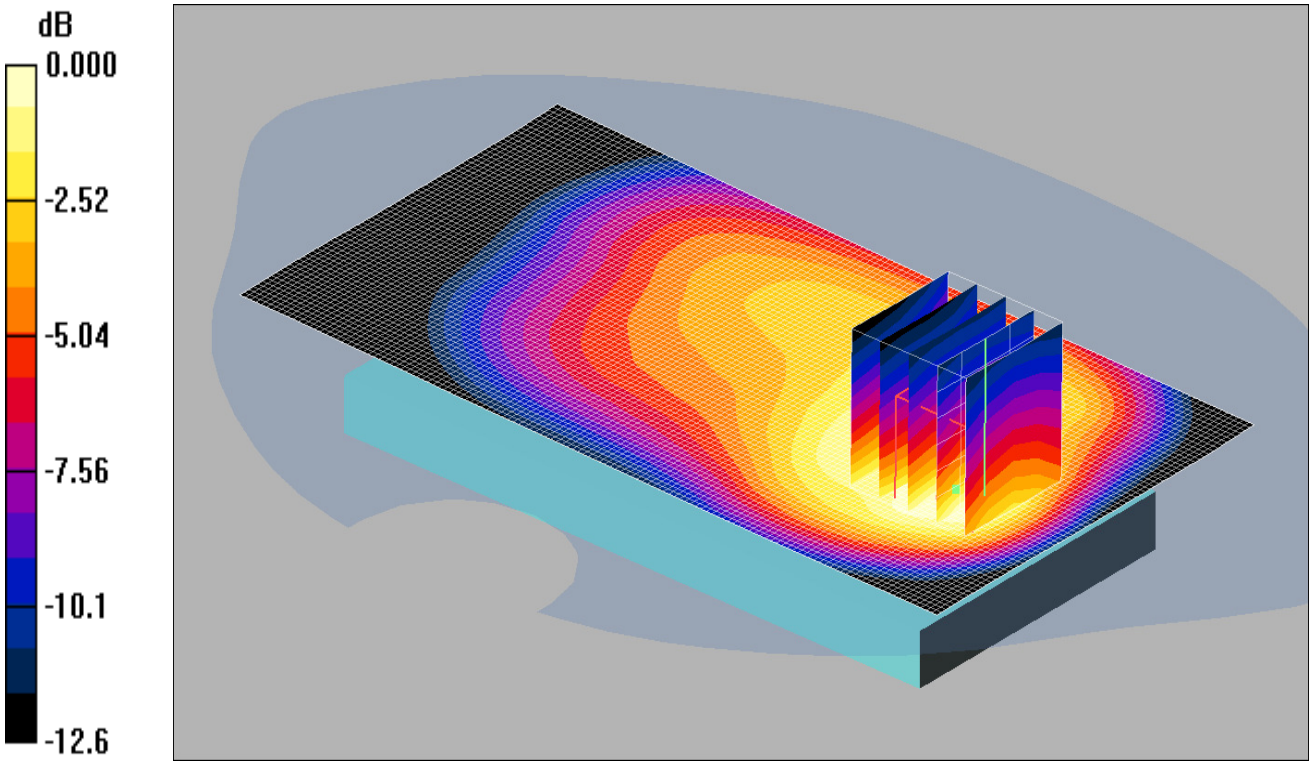
SAR/396: Back of EUT Hotspot LTE FDD 26 15MHz 1RB Low CH26965 - Flavor 1

Date: 28/04/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I 6



0 dB = 0.523mW/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; σ = 0.98 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
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 2 (71x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.551 mW/g
Back 1RB Low - Hotspot - PBx/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.2 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.452 mW/g; SAR(10 g) = 0.257 mW/g
Maximum value of SAR (measured) = 0.523 mW/g

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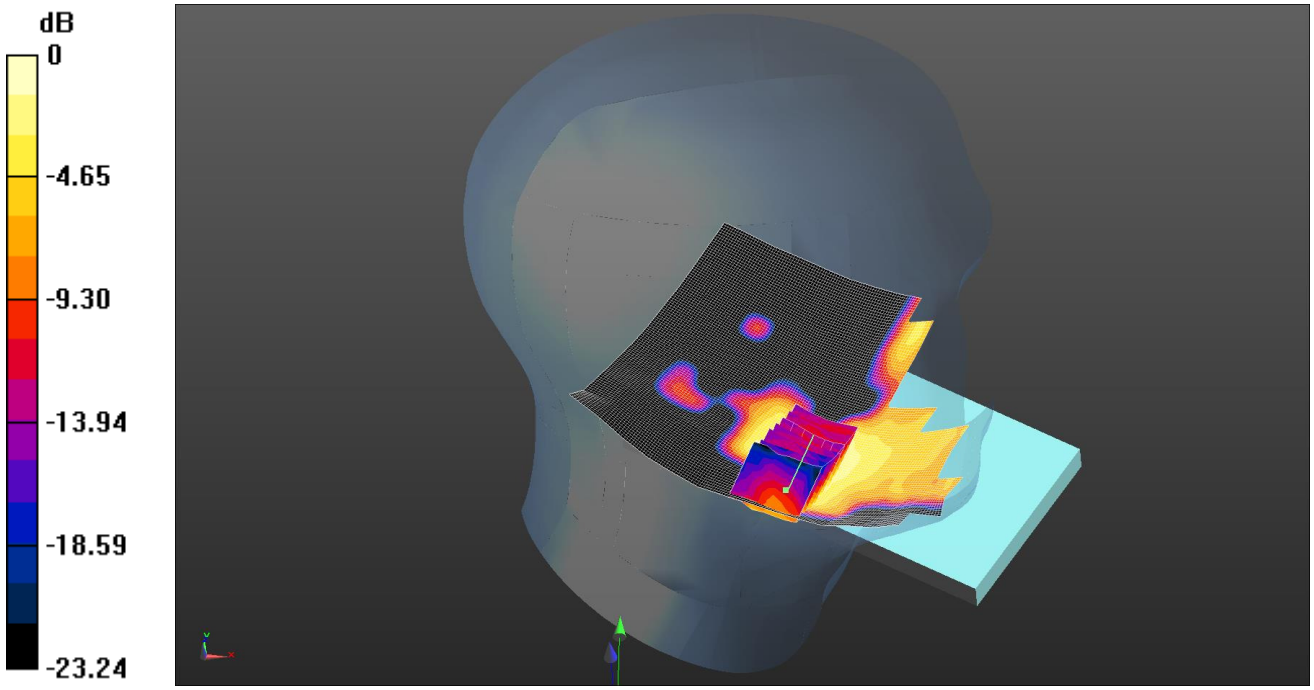
SAR/397: Touch Left LTE Band 30 10MHz 50%RB Low CH27710 Flavor 1x

Date: 05/05/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.0630 W/kg = -12.01 dBW/kg

Communication System: UID 0, LTE Bands - 10MHz Channel BW (0); Frequency: 2310 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2310 MHz; σ = 1.72 S/m; ε_r = 40.143; ρ = 1000 kg/m^3
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) = 0.0589 W/kg

Configuration/Touch Left 50%RB Low - Head - PB0/Zoom Scan (7x7x7) 2 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.103 V/m; Power Drift = 0.33 dB
Peak SAR (extrapolated) = 0.0850 W/kg
SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.023 W/kg
Maximum value of SAR (measured) = 0.0630 W/kg

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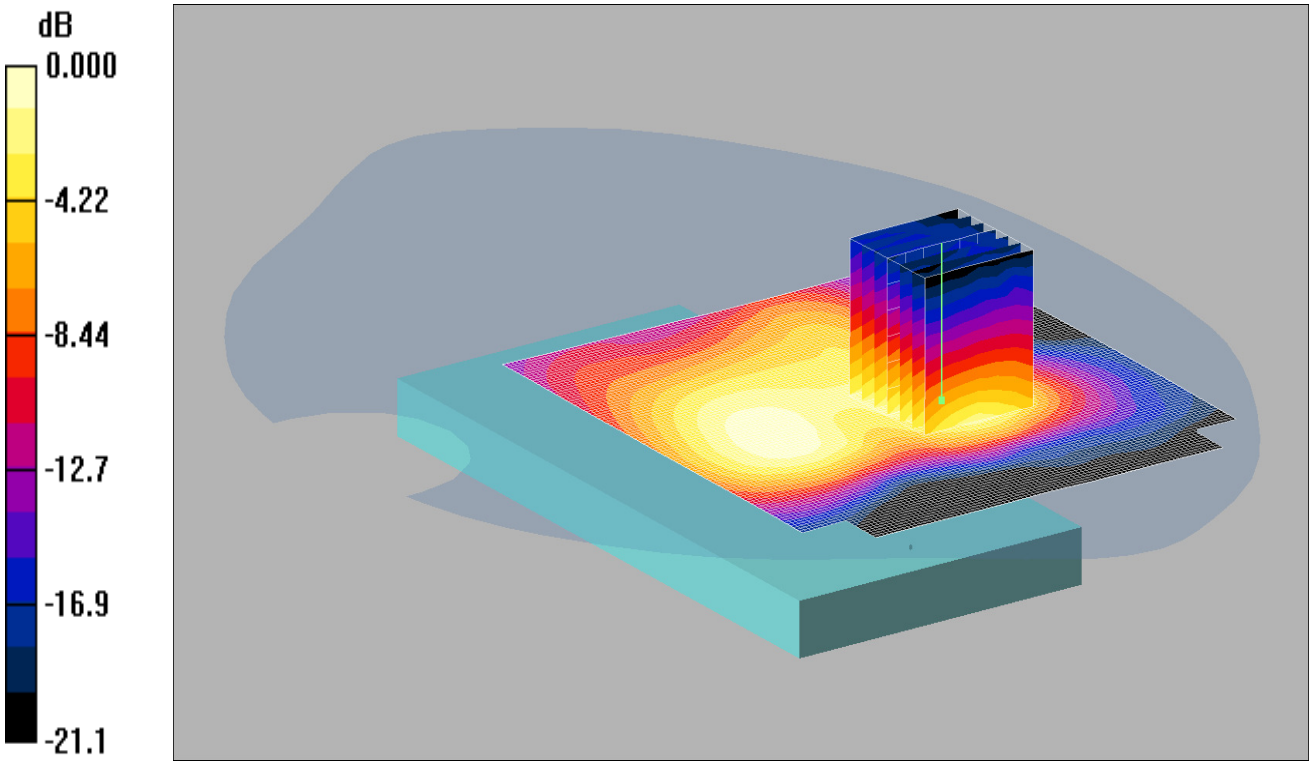
SAR/398: Back of EUT Hotspot LTE Band 30 10MHz 1 RB Low CH27710 Flavor-1

Date: 23/05/2016

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



0 dB = 0.231mW/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; σ = 1.87 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3
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) = 0.238 mW/g
Back 1 RB Low - Hotspot - PB1/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.47 V/m; Power Drift = -0.158 dB
Peak SAR (extrapolated) = 0.372 W/kg
SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.094 mW/g

Maximum value of SAR (measured) = 0.231 mW/g

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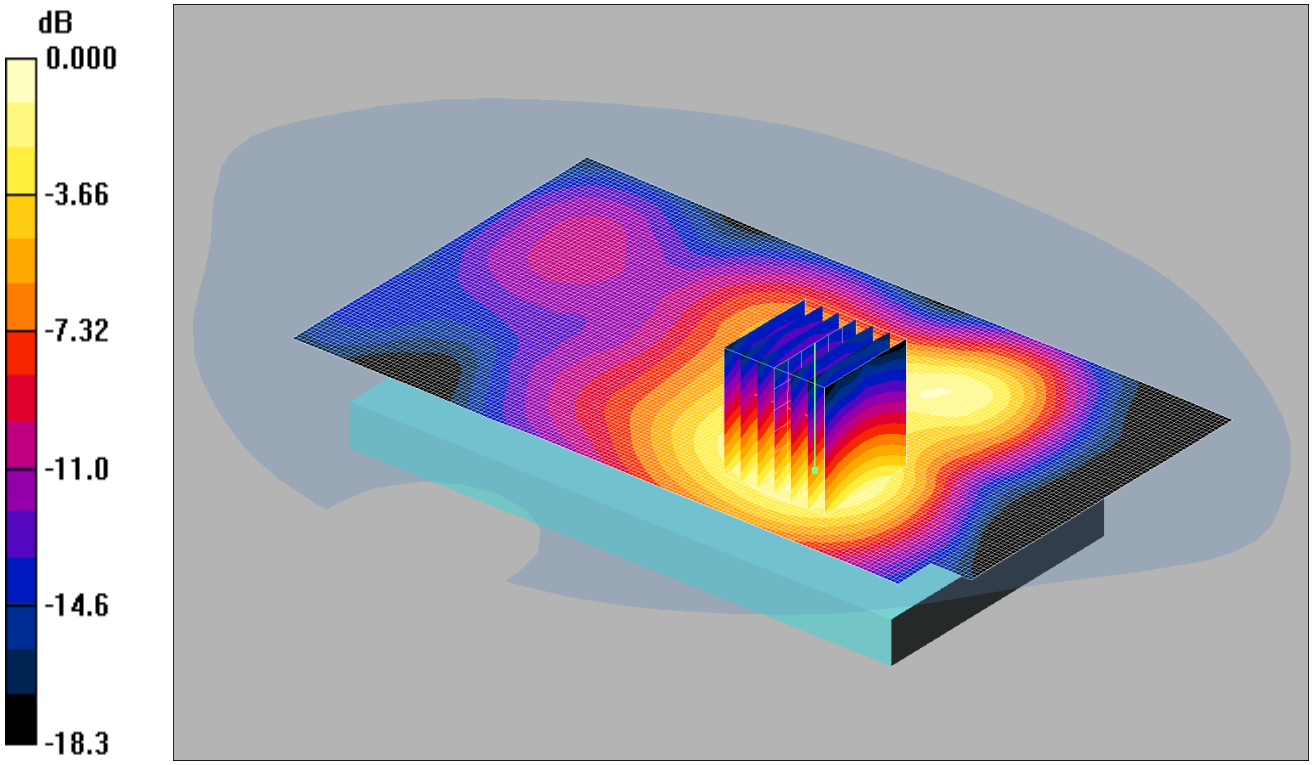
SAR/399: Back of EUT Body-worn LTE Band 30 10MHz 1RB Low CH27710 - Flavor 1

Date: 16/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I 6



0 dB = 0.254mW/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; σ = 1.87 mho/m; ε_r = 50.9; ρ = 1000 kg/m^3
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 Flavor1/Area Scan (91x161x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.259 mW/g
Back of EUT 1RB Low - Bodyworn – PB0 Flavor1/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.43 V/m; Power Drift = 0.027 dB
Peak SAR (extrapolated) = 0.363 W/kg
SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.121 mW/g
Maximum value of SAR (measured) = 0.254 mW/g

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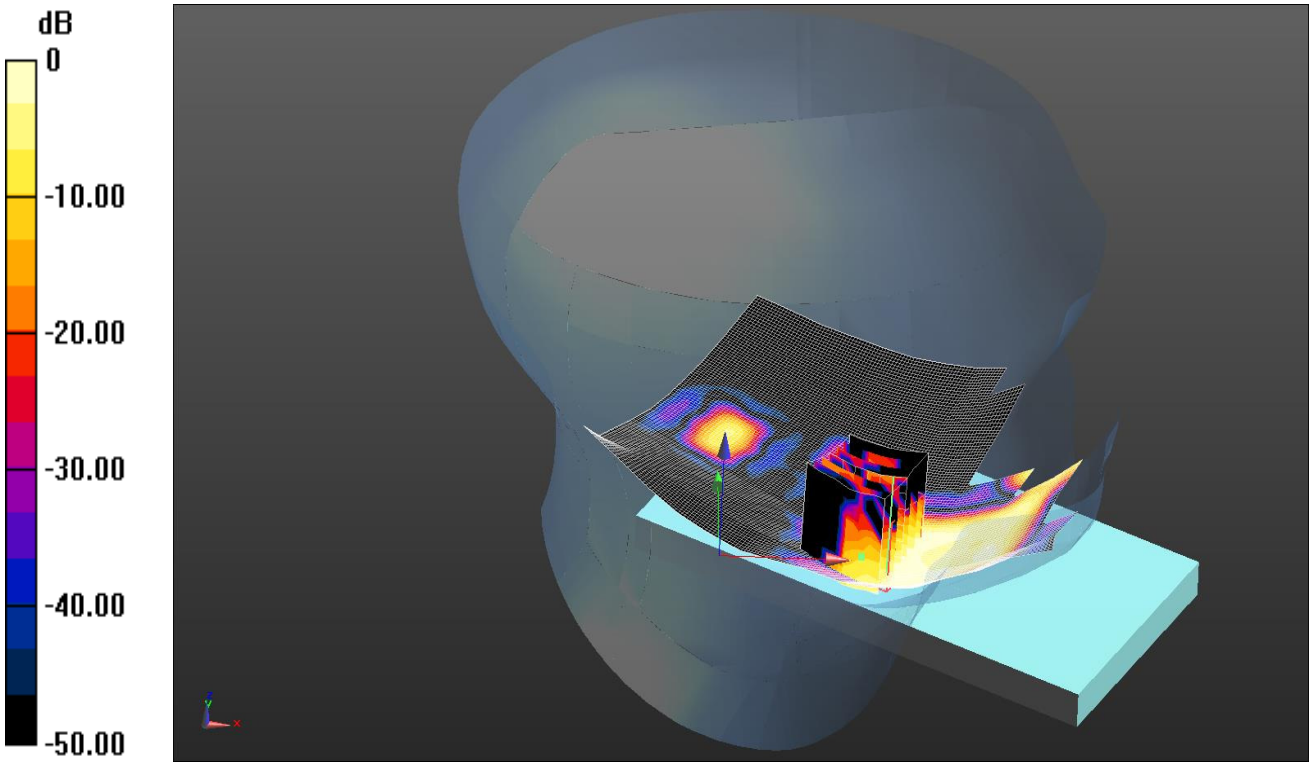
SAR/400: Touch Left LTE Band 41 20MHz 1RB Middle CH40620 Flavor 1

Date: 29/04/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.0327 W/kg = -14.85 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; σ = 1.971 S/m; ε_r = 38.232; ρ = 1000 kg/m^3
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) = 0.0535 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 = 3.181 V/m; Power Drift = 1.38 dB
Peak SAR (extrapolated) = 0.0490 W/kg
SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.00855 W/kg
Maximum value of SAR (measured) = 0.0327 W/kg

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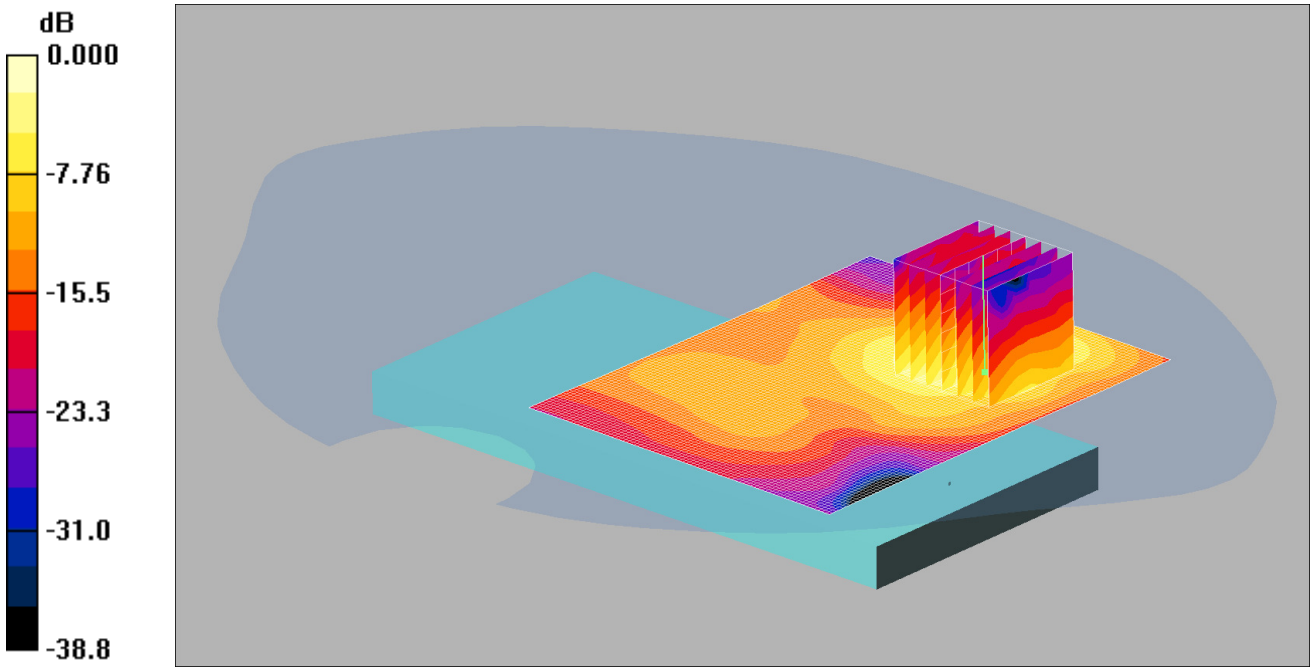
SAR/401: Back of EUT Hotspot LTE 41 1RB Mid CH40620 - Flavor 1x

Date: 13/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I 6



0 dB = 0.388mW/g

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; σ = 2.16 mho/m; ε_r = 50.5; ρ = 1000 kg/m^3
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) = 0.380 mW/g
Back 1RB Middle - Hotspot - PBx/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.5 V/m; Power Drift = -0.121 dB
Peak SAR (extrapolated) = 0.687 W/kg
SAR(1 g) = 0.289 mW/g; SAR(10 g) = 0.126 mW/g
Maximum value of SAR (measured) = 0.388 mW/g

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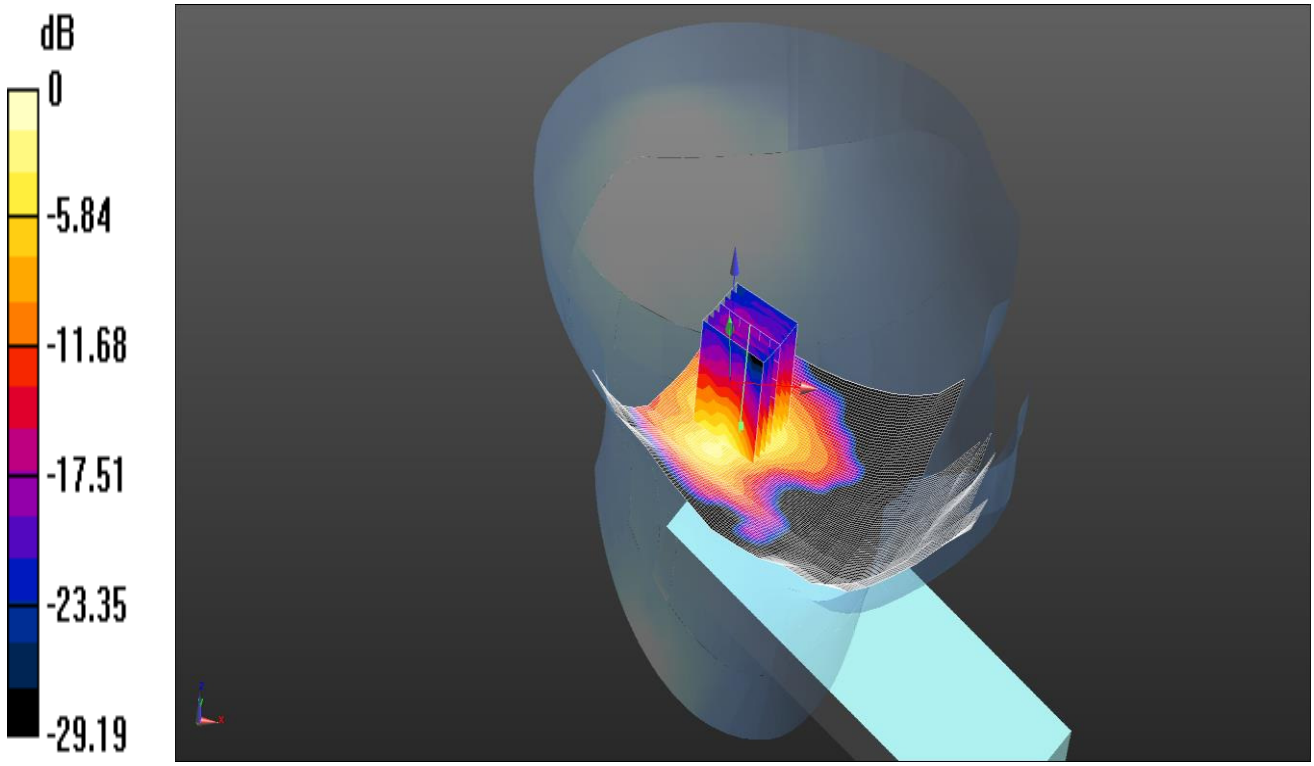
SAR/402: Tilt Left WLAN 2.4GHz 802.11b 6MBps MIMO Ant 1&2 CH1 Flavor 1

Date: 23/04/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.328 W/kg = -4.84 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; σ = 1.802 S/m; ε_r = 39.992; ρ = 1000 kg/m^3
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 2 (101x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.250 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 = 12.380 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.455 W/kg
SAR(1 g) = 0.214 W/kg; SAR(10 g) = 0.104 W/kg
Maximum value of SAR (measured) = 0.328 W/kg

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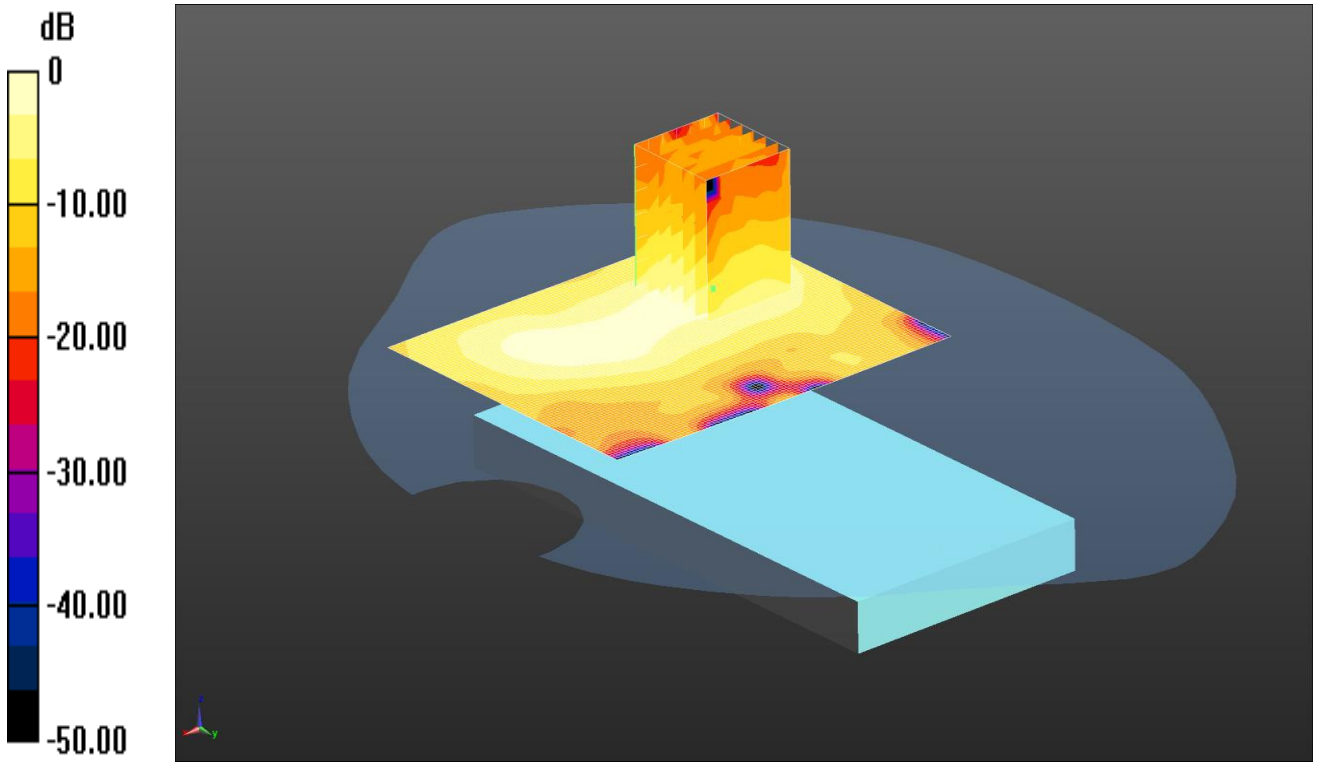
SAR/403: Back of EUT Hotspot WiFi 802.11b 1Mbps MIMO 1&2 CH6 - Flavor 1

Date: 07/05/16
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.108 W/kg = -9.67 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2437 MHz; σ = 2.009 S/m; ε_r = 51.935; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3814; ConvF(7.04, 7.04, 7.04); Calibrated: 06/10/15;
- Sensor-Surface: 4mm (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 802.11b MIMO Ant 1&2 - Hotspot - PBx/Area Scan (101x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.108 W/kg
Configuration/Back 802.11b MIMO Ant 1&2 - Hotspot - PBx/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.047 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.185 W/kg
SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.049 W/kg
Maximum value of SAR (measured) = 0.116 W/kg

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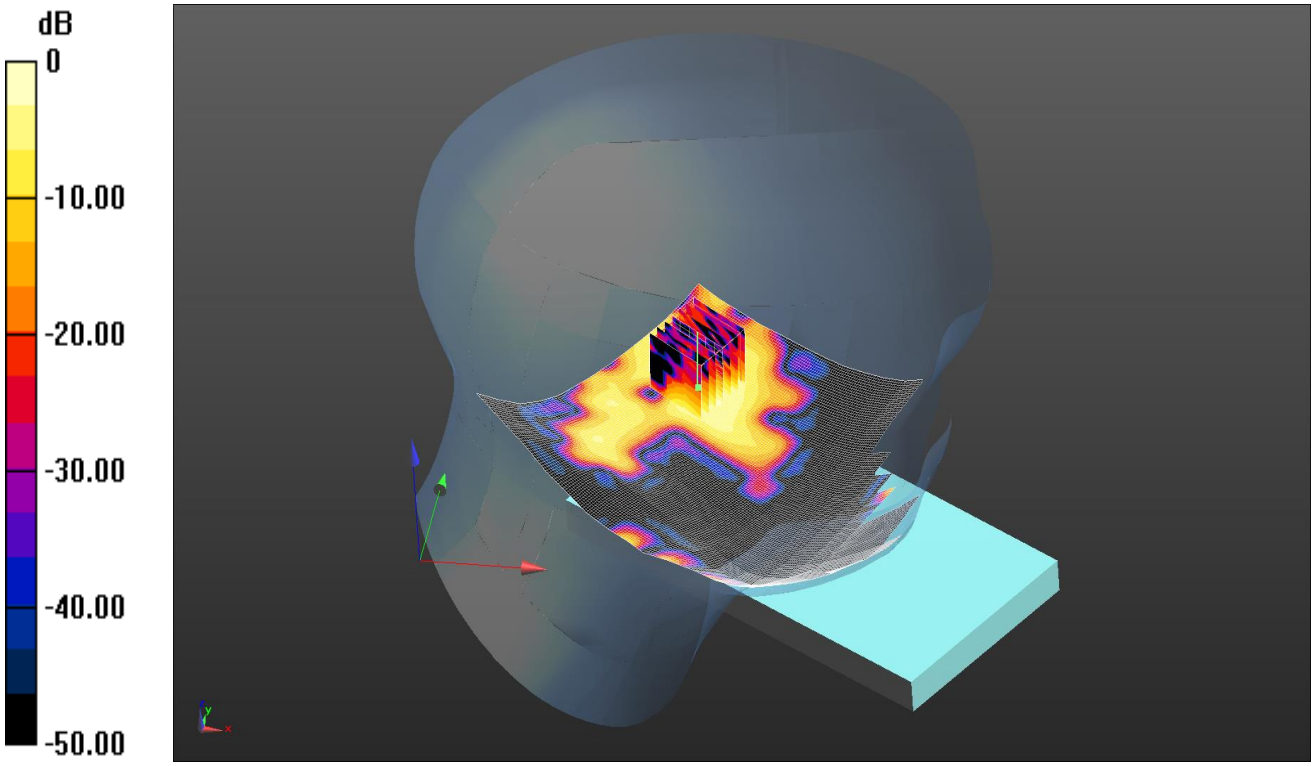
SAR/404: Touch Left WiFi 802.11a 6Mbps MIMO 1&2 CH100 - Flavor 1

Date: 21/04/16
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.949 W/kg = -0.23 dBW/kg

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; σ = 4.921 S/m; ε_r = 34.234; ρ = 1000 kg/m^3
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) = 1.03 W/kg
Configuration/Touch Left 802.11a MIMO Ant 1&2 - Head - PBx/Ant1 Zoom Scan (7x7x12) (7x7x12)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 13.44 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.89 W/kg
SAR(1 g) = 0.476 W/kg; SAR(10 g) = 0.147 W/kg
Maximum value of SAR (measured) = 0.949 W/kg

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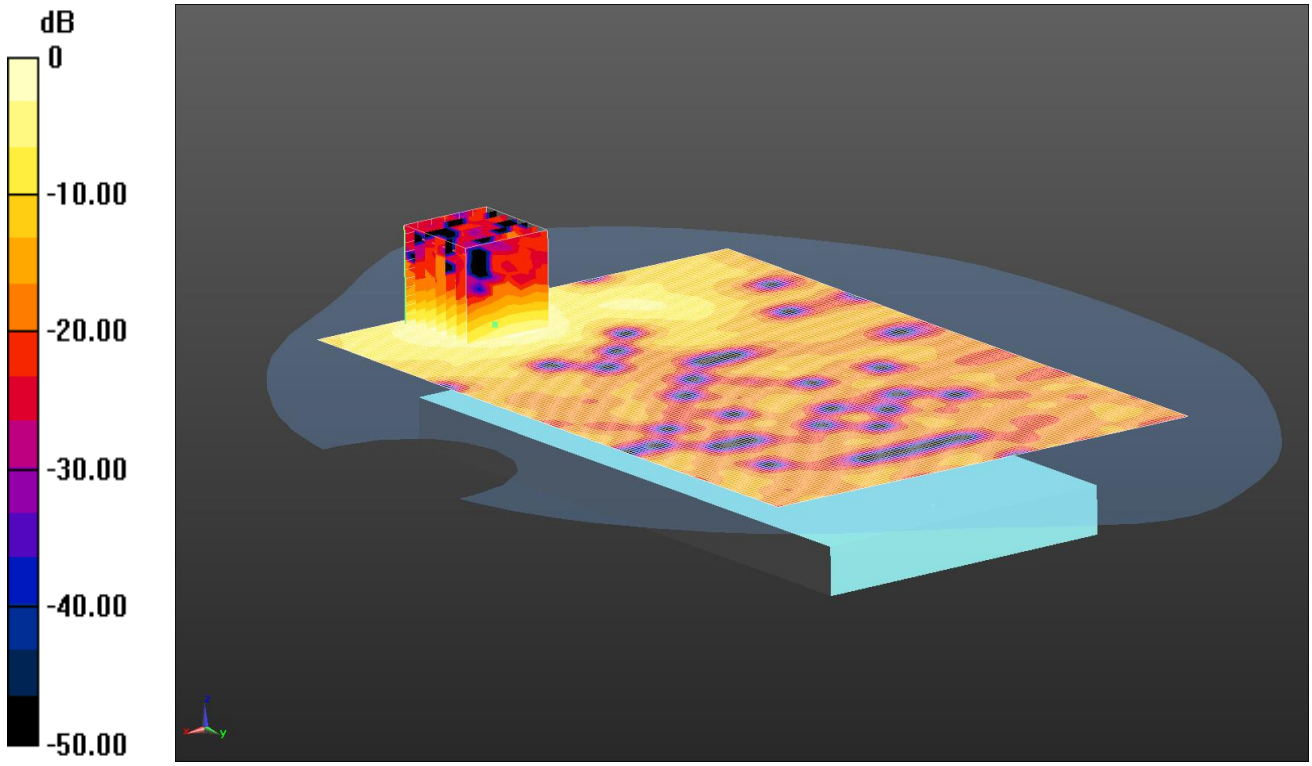
SAR/405: Back of EUT Hotspot WiFi 802.11a 6Mbps MIMO 1&2 CH153 - Flavor 1

Date: 03/05/16
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I 6



0 dB = 0.755 W/kg = -1.22 dBW/kg

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; σ = 6.067 S/m; ε_r = 48.056; ρ = 1000 kg/m^3
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) = 0.762 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 = 11.87 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 1.57 W/kg
SAR(1 g) = 0.394 W/kg; SAR(10 g) = 0.140 W/kg
Maximum value of SAR (measured) = 0.755 W/kg

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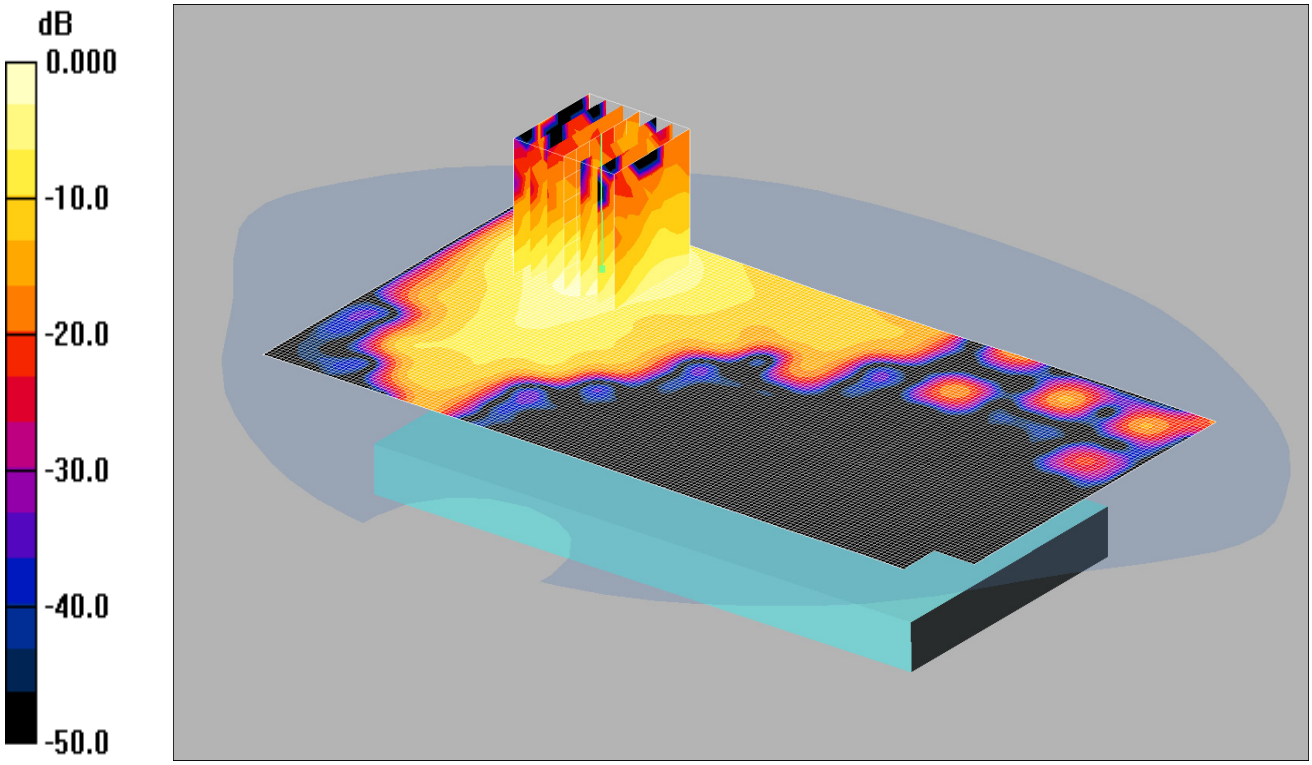
SAR/406: Back of EUT Bluetooth BDR CH78 - Flavor 1

Date: 20/05/2016

DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I 6



0 dB = 0.033mW/g

Communication System: Bluetooth; Frequency: 2480 MHz;Duty Cycle: 1:1
Medium: 2300/2450 MHz MSL Medium parameters used (interpolated): f = 2480 MHz; σ = 2.05 mho/m; ε_r = 50.3; ρ = 1000 kg/m^3
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 (91x171x1): 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 = 3.31 V/m; Power Drift = -0.002 dB
Peak SAR (extrapolated) = 0.054 W/kg
SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.012 mW/g
Maximum value of SAR (measured) = 0.033 mW/g

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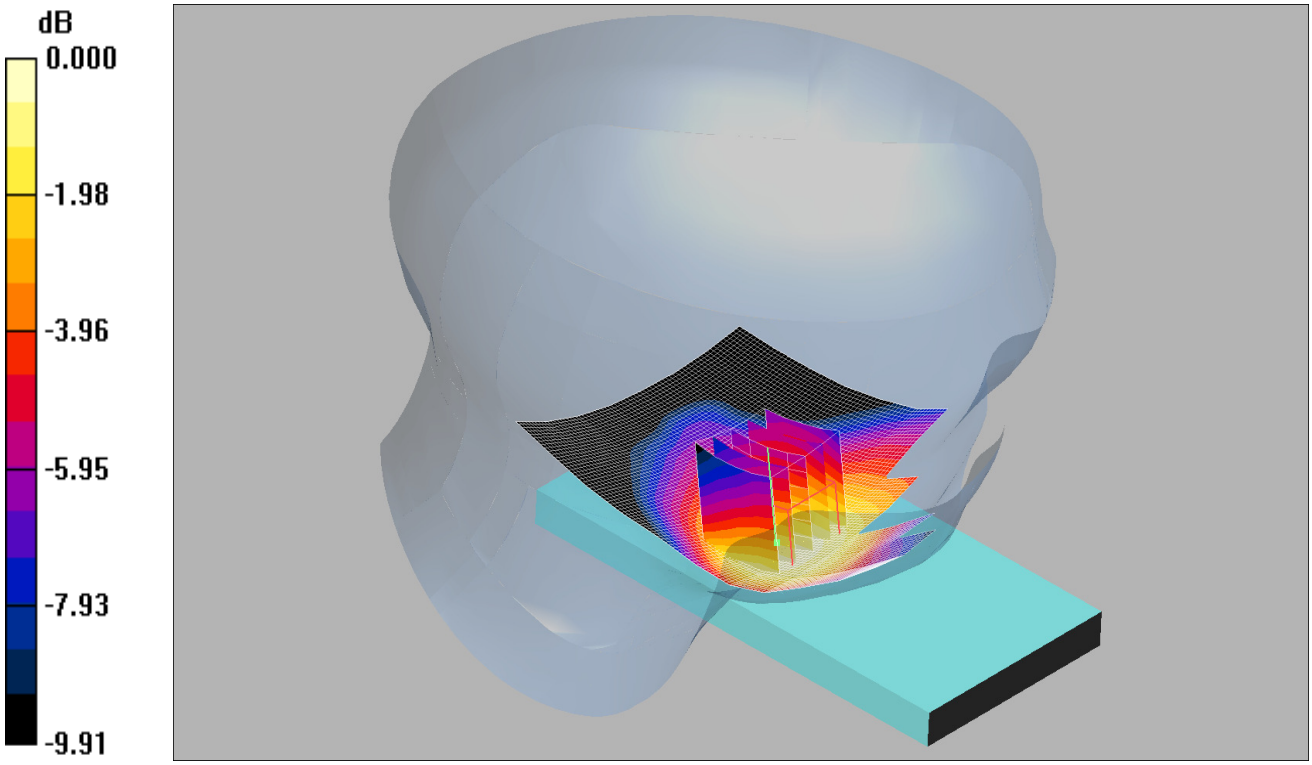
SAR/407: Touch Left GSM850 CH251 - Flavor 2

Date: 27/04/2016

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



0 dB = 0.116mW/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; σ = 0.893 mho/m; ε_r = 40.7; ρ = 1000 kg/m^3
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) = 0.116 mW/g
Touch Left - Head - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.70 V/m; Power Drift = 0.632 dB
Peak SAR (extrapolated) = 0.145 W/kg
SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.080 mW/g
Maximum value of SAR (measured) = 0.116 mW/g

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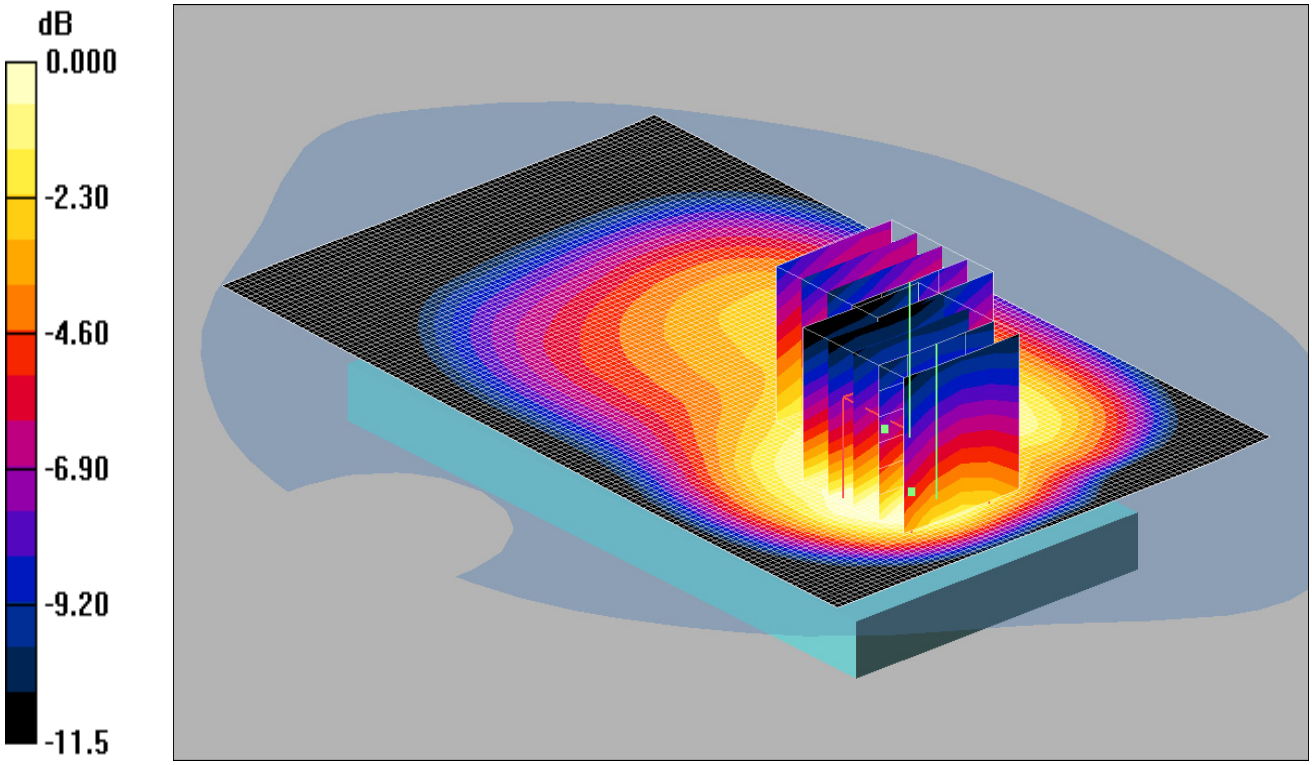
SAR/408: Back of EUT Hotspot GPRS850 3Tx CH251 - Flavor 2

Date: 26/04/2016

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



0 dB = 0.561mW/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; σ = 0.973 mho/m; ε_r = 54.7; ρ = 1000 kg/m^3
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) = 0.662 mW/g
Back - Hotspot - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.1 V/m; Power Drift = -0.056 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.568 mW/g; SAR(10 g) = 0.318 mW/g
Maximum value of SAR (measured) = 0.661 mW/g
Back - Hotspot - PBx/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.1 V/m; Power Drift = -0.056 dB
Peak SAR (extrapolated) = 0.731 W/kg
SAR(1 g) = 0.500 mW/g; SAR(10 g) = 0.353 mW/g
Maximum value of SAR (measured) = 0.561 mW/g

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

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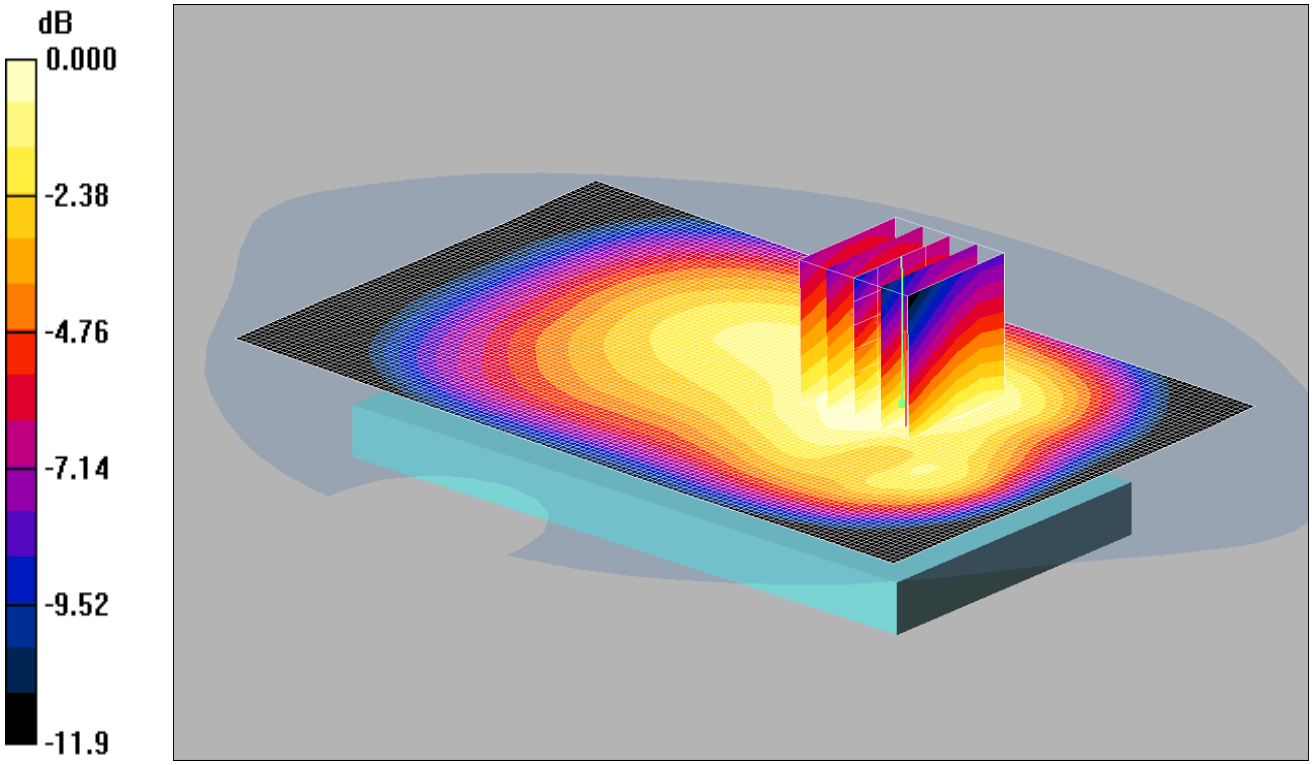
SAR/409: Back of EUT Body-worn GSM850 CH251 - Flavor 2

Date: 26/04/2016

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



0 dB = 0.216mW/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; σ = 0.973 mho/m; ε_r = 54.7; ρ = 1000 kg/m^3
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) = 0.220 mW/g
Back - Hotspot - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.5 V/m; Power Drift = -0.005 dB
Peak SAR (extrapolated) = 0.267 W/kg
SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.143 mW/g
Maximum value of SAR (measured) = 0.216 mW/g

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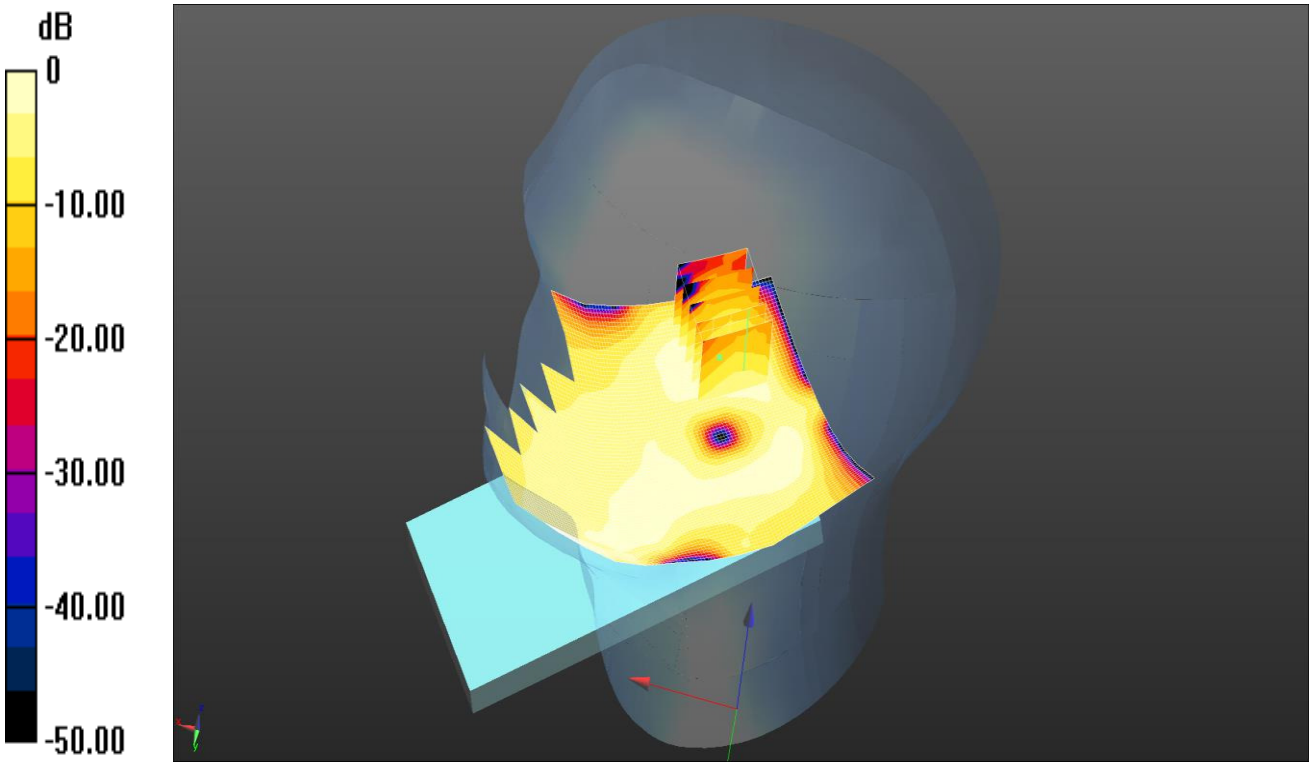
SAR/410: Tilt Right PCS1900 CH810 - Flavor 2

Date: 16/4/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.0181 W/kg = -17.42 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; σ = 1.441 S/m; ε_r = 39.816; ρ = 1000 kg/m^3
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) = 0.0213 W/kg
Configuration/TILT Right - Head - PB0/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.421 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.0270 W/kg
SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.0092 W/kg
Maximum value of SAR (measured) = 0.0181 W/kg

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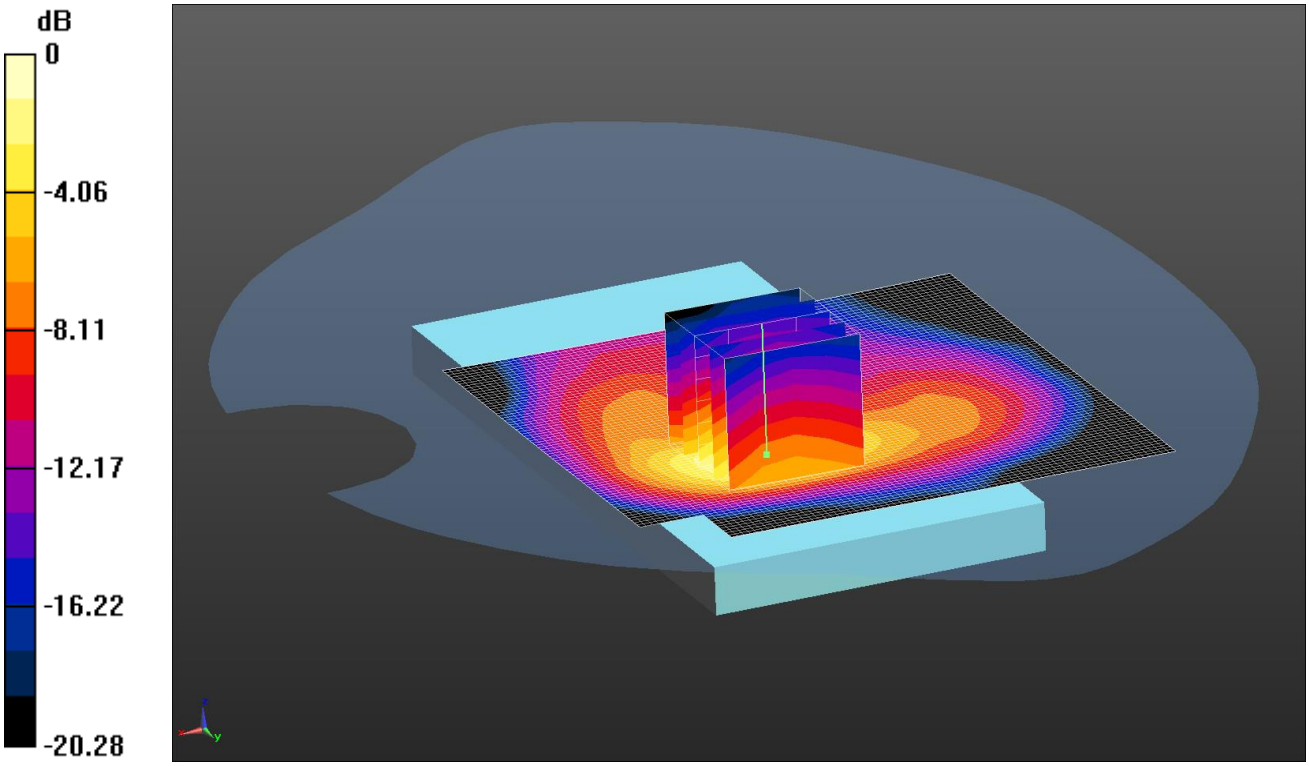
SAR/411: Back of EUT PCS1900 CH810 - Flavor 2

Date: 19/05/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.429 W/kg = -3.68 dBW/kg

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; σ = 1.571 S/m; ε_r = 50.954; ρ = 1000 kg/m^3
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 - PBx/Area Scan 2 (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.358 W/kg
Configuration/Back - Hotspot - PBx/Zoom Scan 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.088 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.704 W/kg
SAR(1 g) = 0.380 W/kg; SAR(10 g) = 0.187 W/kg
Maximum value of SAR (measured) = 0.429 W/kg

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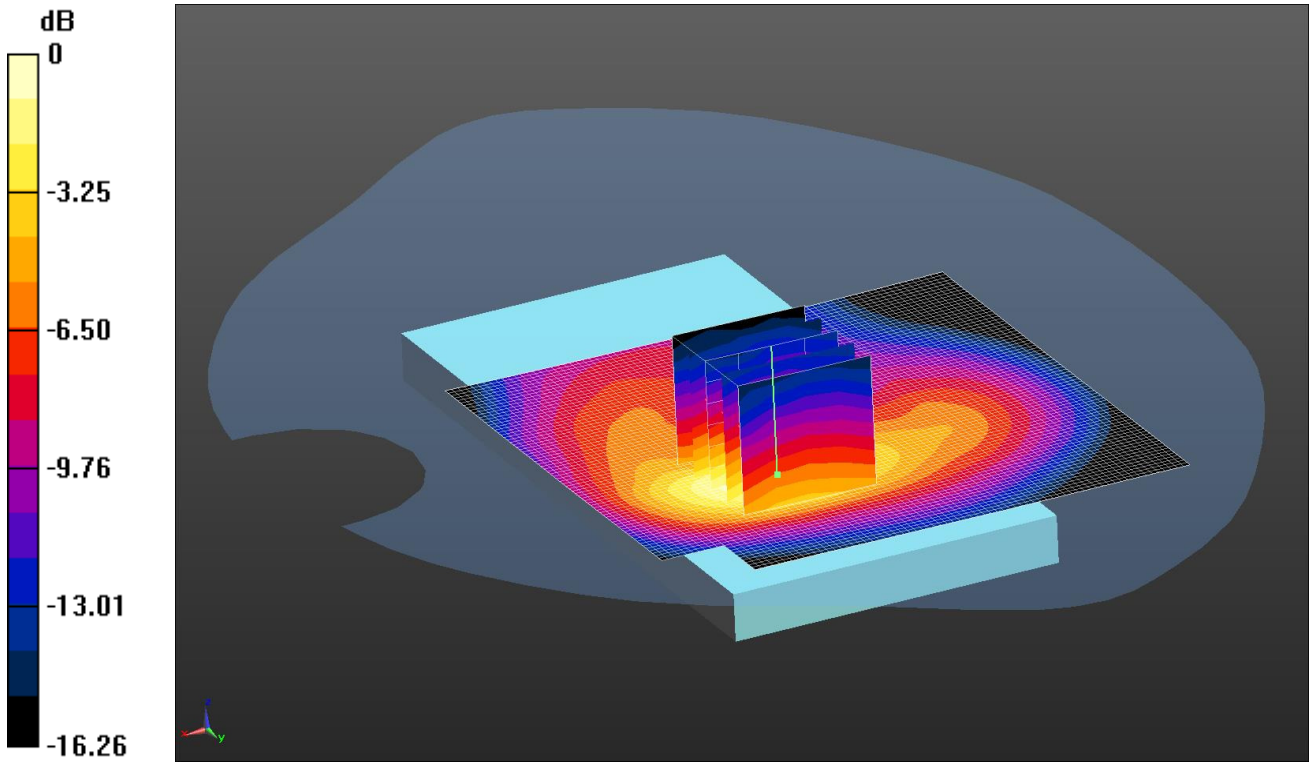
SAR/412: Back of EUT PCS1900 Bodyworn CH810 - Flavor 2

Date: 20/05/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.181 W/kg = -7.42 dBW/kg

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; σ = 1.571 S/m; ε_r = 50.954; ρ = 1000 kg/m^3
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 2/Area Scan 2 2 (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.170 W/kg
Configuration/Back - Bodyworn - PBx 2 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.653 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.287 W/kg
SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.089 W/kg
Maximum value of SAR (measured) = 0.181 W/kg

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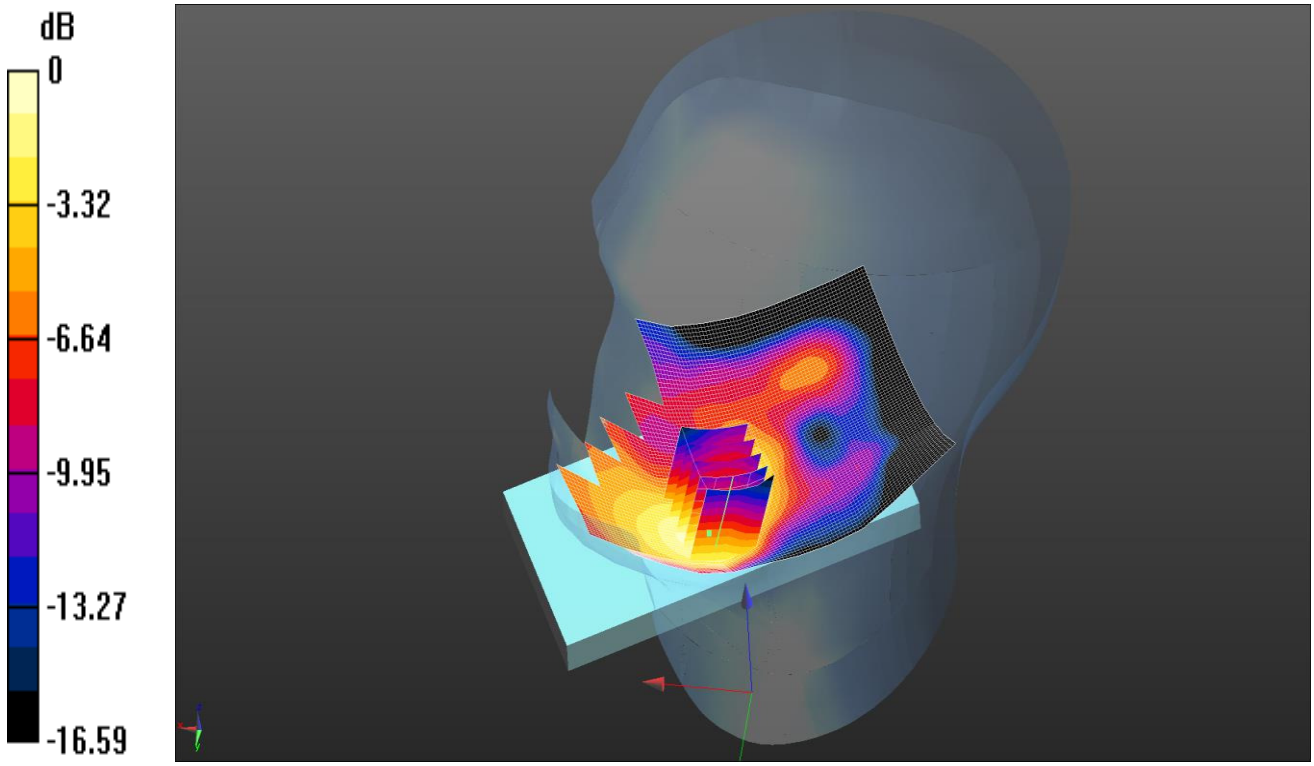
SAR/413: Touch Right UMTS FDD 2 CH9262 - Flavor 2

Date: 16/4/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.125 W/kg = -9.03 dBW/kg

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; σ = 1.383 S/m; ε_r = 40.012; ρ = 1000 kg/m^3
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) = 0.123 W/kg
Configuration/Touch Right - Head - PB0/Zoom Scan (7x7x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.667 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.181 W/kg
SAR(1 g) = 0.120 W/kg; SAR(10 g) = 0.075 W/kg
Maximum value of SAR (measured) = 0.125 W/kg

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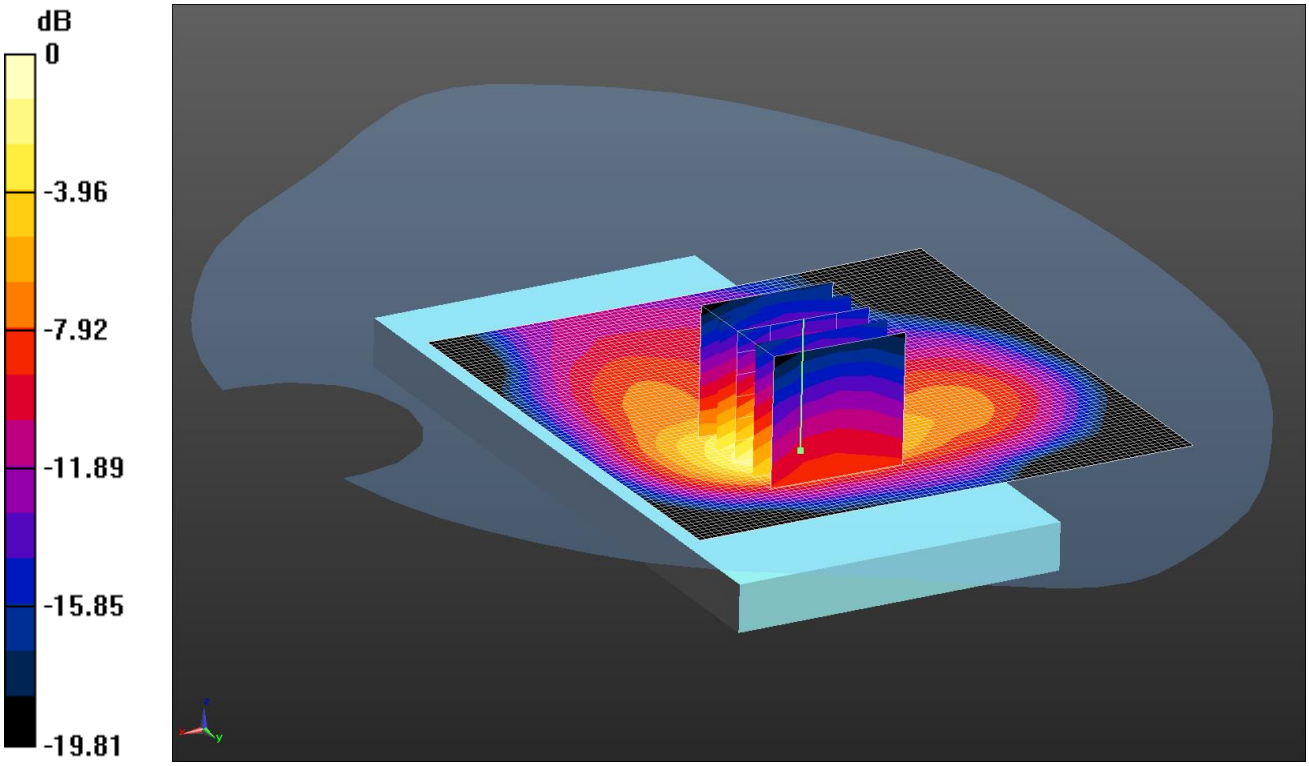
SAR/414: Back of EUT UMTS FDD 2 CH9538 - Flavor2

Date: 17/05/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.415 W/kg = -3.82 dBW/kg

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; σ = 1.543 S/m; ε_r = 51.646; ρ = 1000 kg/m^3
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) = 0.342 W/kg
Configuration/Back - Hotspot - PB1/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.425 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.695 W/kg
SAR(1 g) = 0.369 W/kg; SAR(10 g) = 0.182 W/kg
Maximum value of SAR (measured) = 0.415 W/kg

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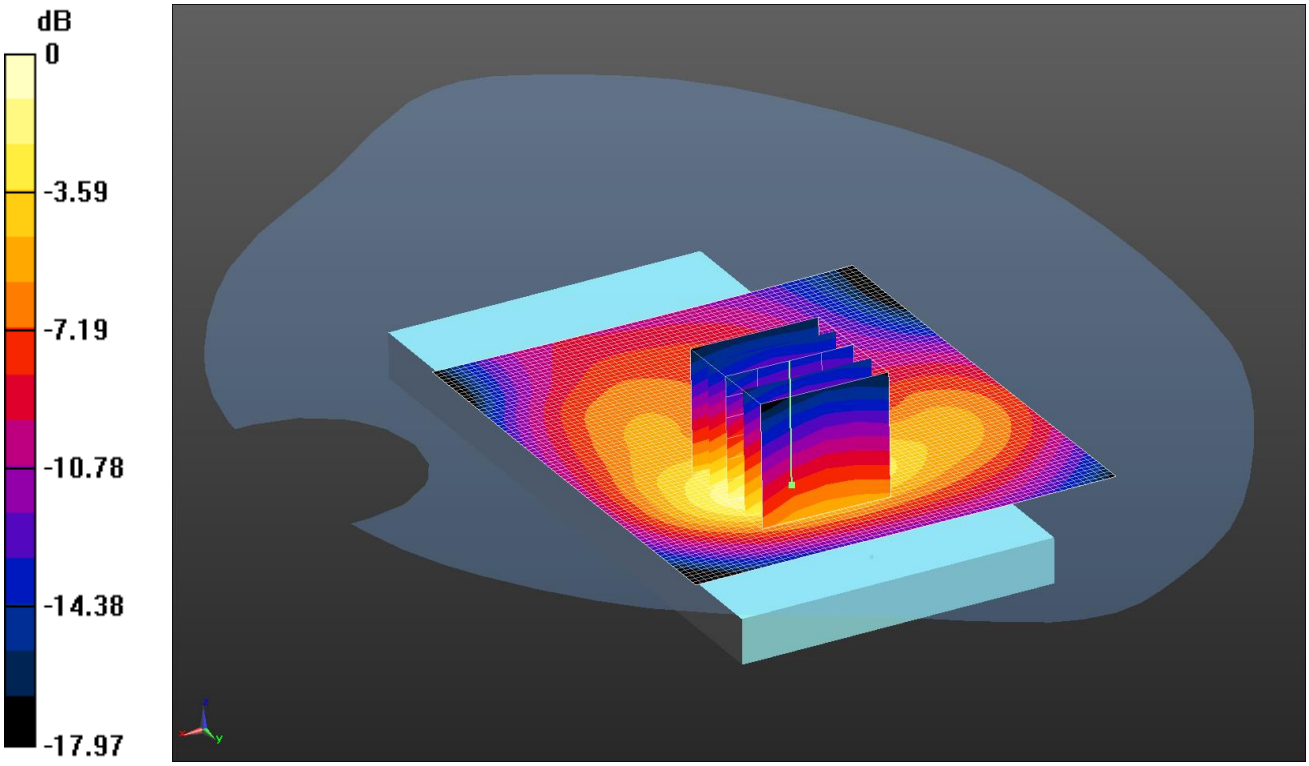
SAR/415: Back of EUT UMTS FDD 2 CH9538 - Flavor2

Date: 17/05/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.333 W/kg = -4.78 dBW/kg

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; σ = 1.543 S/m; ε_r = 51.646; ρ = 1000 kg/m^3
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) = 0.324 W/kg
Configuration/Back - Bodyworn - PB0/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.330 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.516 W/kg
SAR(1 g) = 0.298 W/kg; SAR(10 g) = 0.163 W/kg
Maximum value of SAR (measured) = 0.333 W/kg

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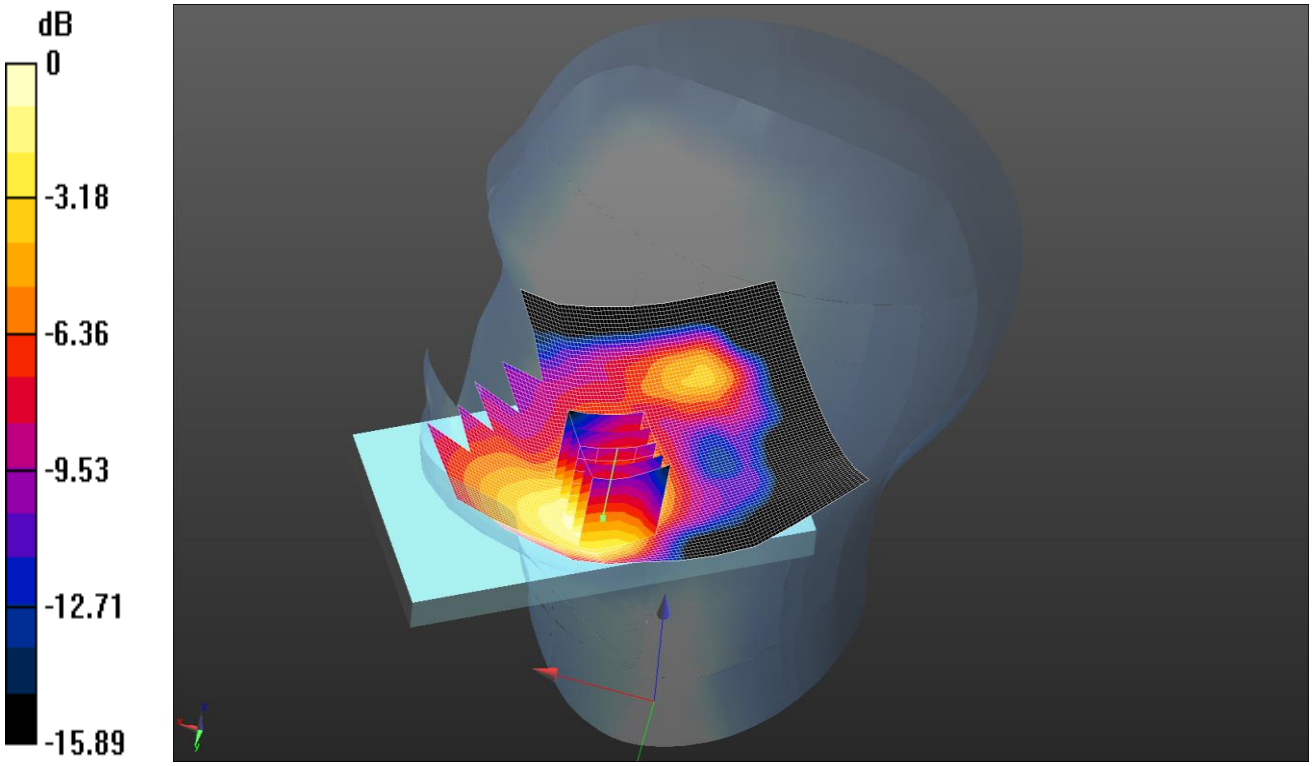
SAR/416: Touch Right UMTS FDD 4 CH1513 - Flavor2

Date: 26/4/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.101 W/kg = -9.96 dBW/kg

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; σ = 1.295 S/m; ε_r = 40.845; ρ = 1000 kg/m^3
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) = 0.0976 W/kg
Configuration/Touch Right - Head - PB0/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.303 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.128 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

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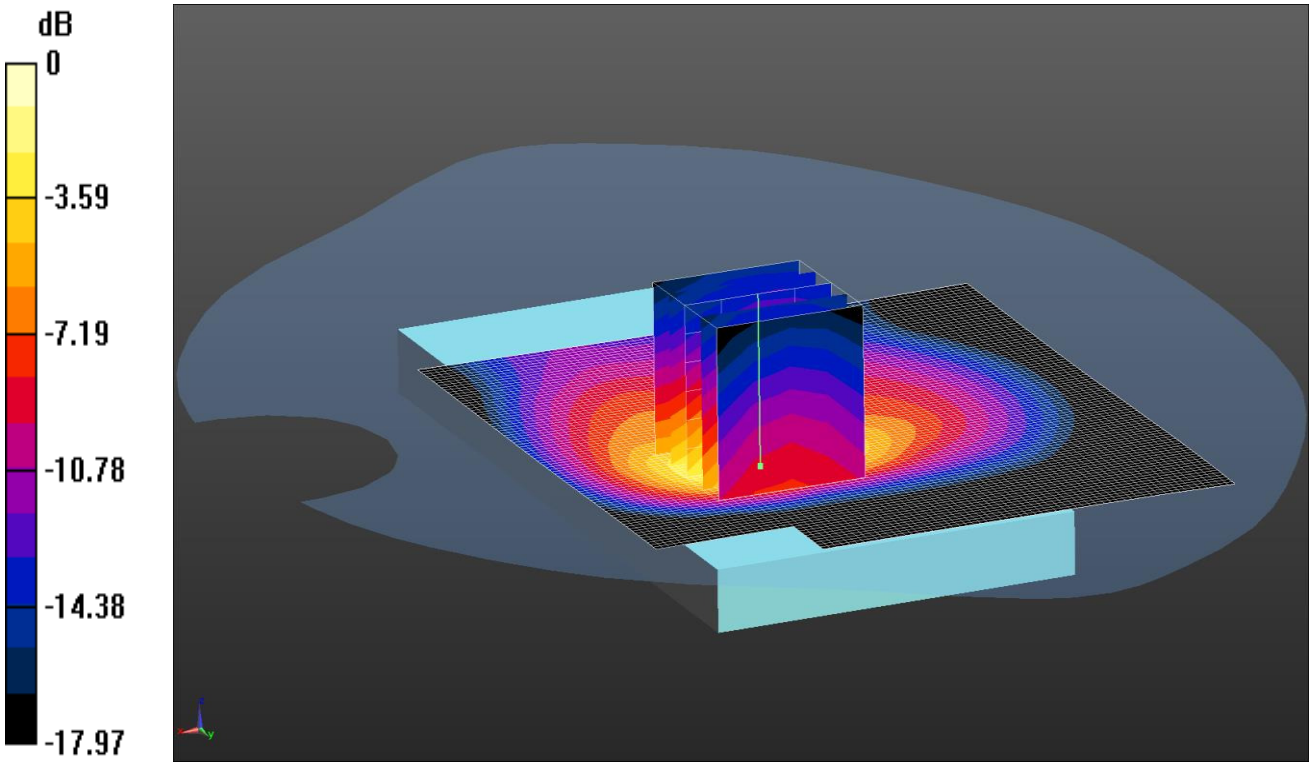
SAR/417: Back of EUT Hotspot UMTS FDD 4 CH1513 - Flavor2

Date: 27/4/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.489 W/kg = -3.11 dBW/kg

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; σ = 1.486 S/m; ε_r = 52.788; ρ = 1000 kg/m^3
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) = 0.450 W/kg
Configuration/Back - Hotspot - PB1/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.24 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.792 W/kg
SAR(1 g) = 0.427 W/kg; SAR(10 g) = 0.217 W/kg
Maximum value of SAR (measured) = 0.489 W/kg

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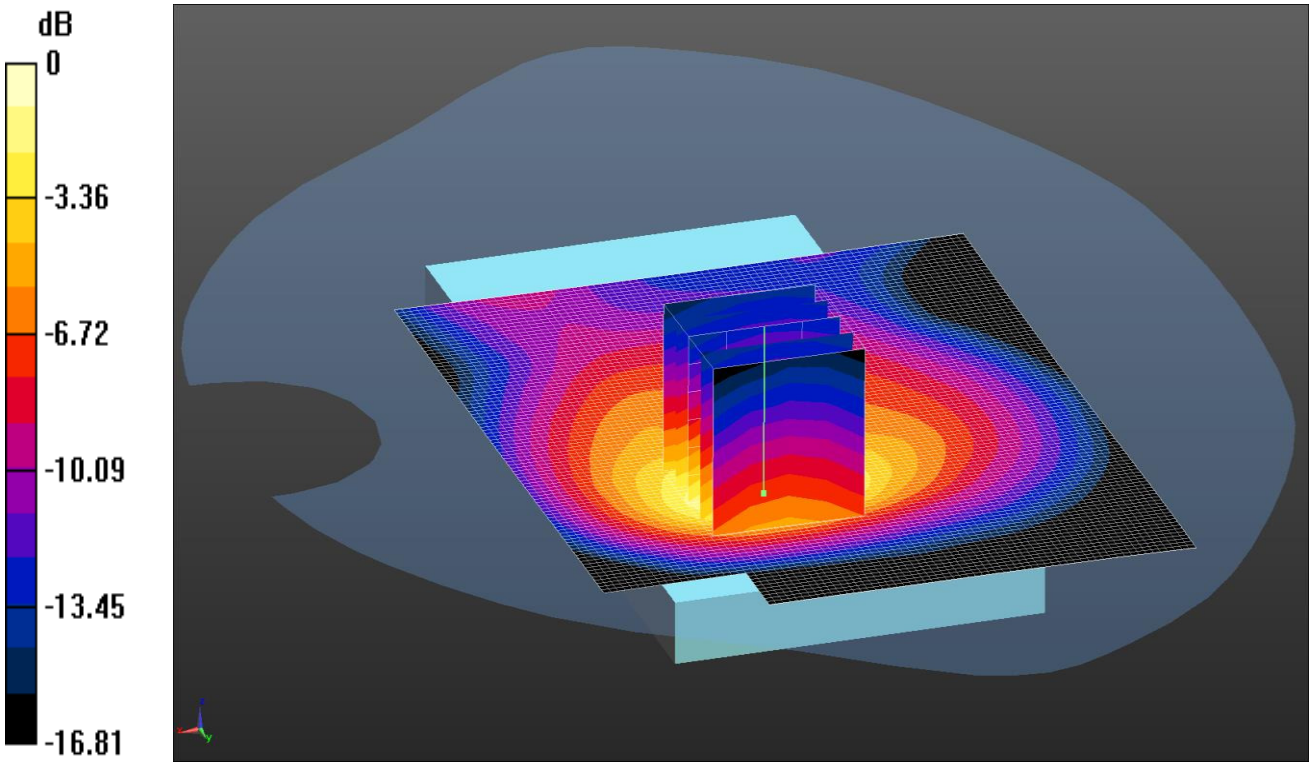
SAR/418: Back of EUT Body-worn UMTS FDD 4 CH1513 - Flavor2

Date: 28/4/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.234 W/kg = -6.31 dBW/kg

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; σ = 1.486 S/m; ε_r = 52.788; ρ = 1000 kg/m^3
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) = 0.228 W/kg
Configuration/Back - Bodyworn - PB0/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.53 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.356 W/kg
SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.117 W/kg
Maximum value of SAR (measured) = 0.234 W/kg

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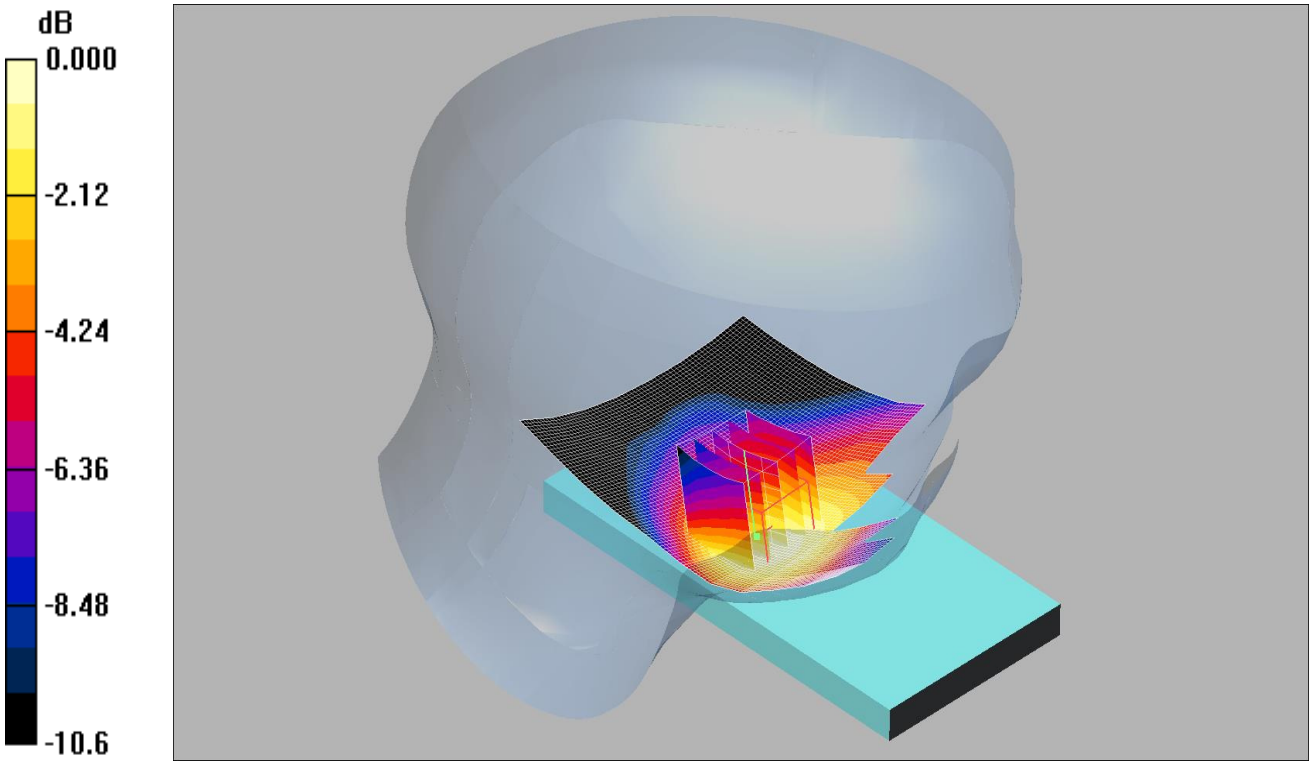
SAR/419: Touch Left UMTS FDD 5 CH4233 - Flavor 2

Date: 21/04/2016

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



0 dB = 0.193mW/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; σ = 0.892 mho/m; ε_r = 40.8; ρ = 1000 kg/m^3
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) = 0.195 mW/g
Touch Left - Head - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.35 V/m; Power Drift = -0.046 dB
Peak SAR (extrapolated) = 0.239 W/kg
SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.131 mW/g
Maximum value of SAR (measured) = 0.193 mW/g

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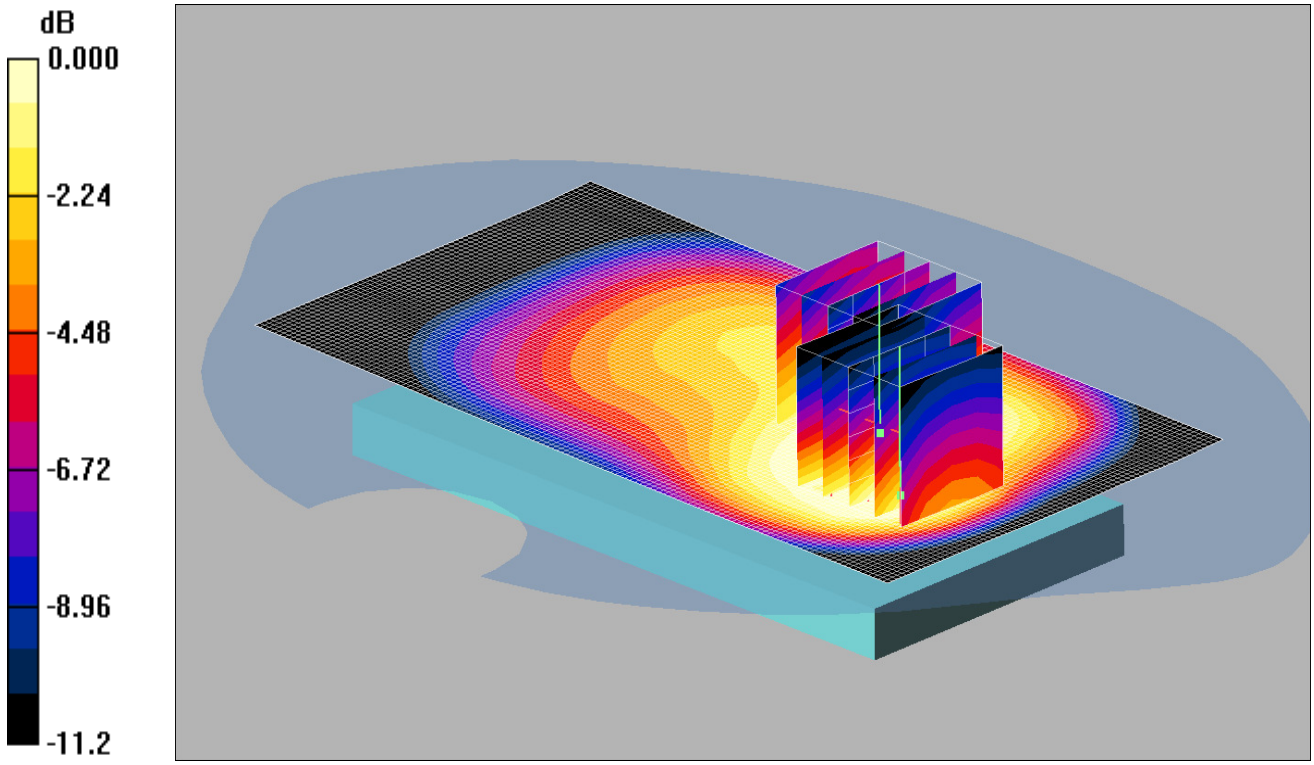
SAR/420: Back of EUT Hotspot UMTS FDD 5 CH4233 - Flavor 2

Date: 22/04/2016

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



0 dB = 0.532mW/g

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; σ = 0.958 mho/m; ε_r = 54.3; ρ = 1000 kg/m^3
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) = 0.770 mW/g
Back - Hotspot - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.5 V/m; Power Drift = 0.001 dB
Peak SAR (extrapolated) = 0.821 W/kg
SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.300 mW/g
Maximum value of SAR (measured) = 0.531 mW/g
Back - Hotspot - PBx/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.5 V/m; Power Drift = 0.001 dB
Peak SAR (extrapolated) = 0.667 W/kg
SAR(1 g) = 0.500 mW/g; SAR(10 g) = 0.362 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.

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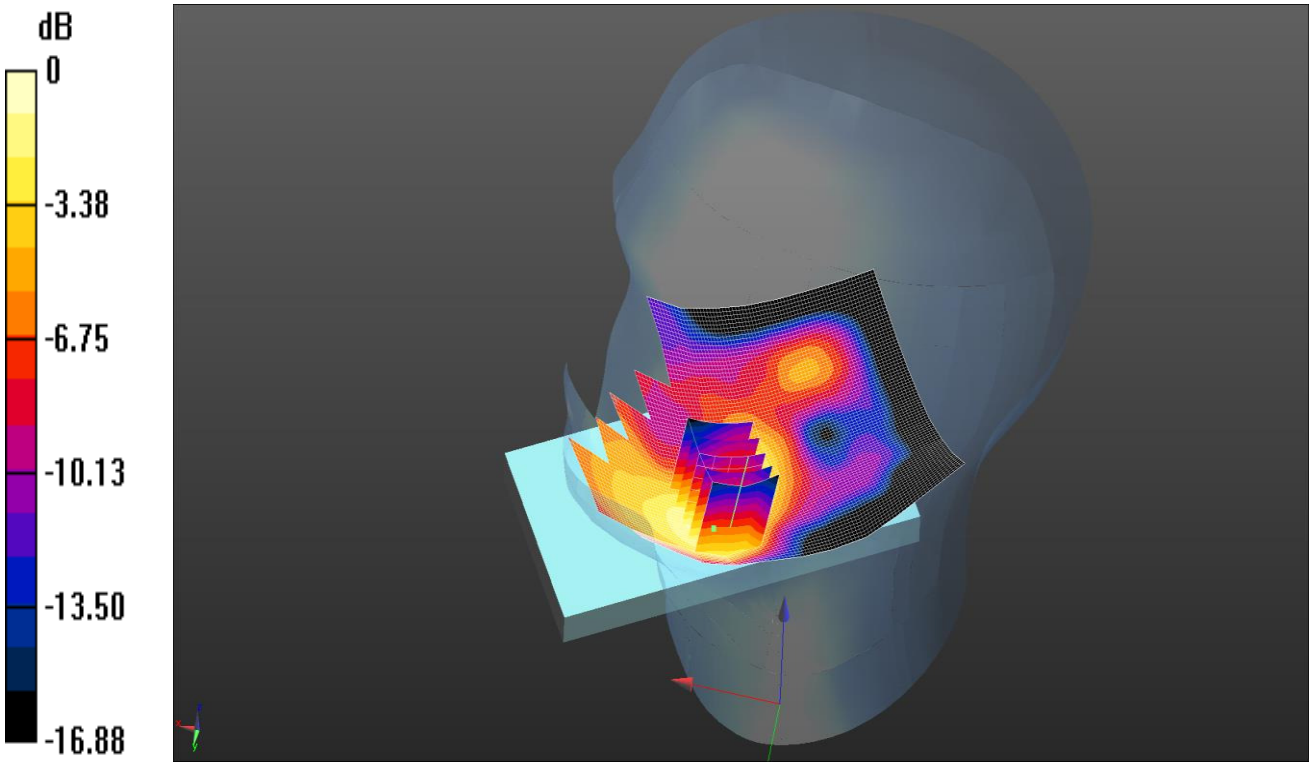
SAR/421: Touch Right LTE Band 2 FDD 20 MHz 50% RB Low CH19100 - Flavor 2

Date: 18/4/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.120 W/kg = -9.21 dBW/kg

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; σ = 1.43 S/m; ε_r = 38.978; ρ = 1000 kg/m^3
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) = 0.117 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 = 9.050 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.171 W/kg
SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.071 W/kg
Maximum value of SAR (measured) = 0.120 W/kg

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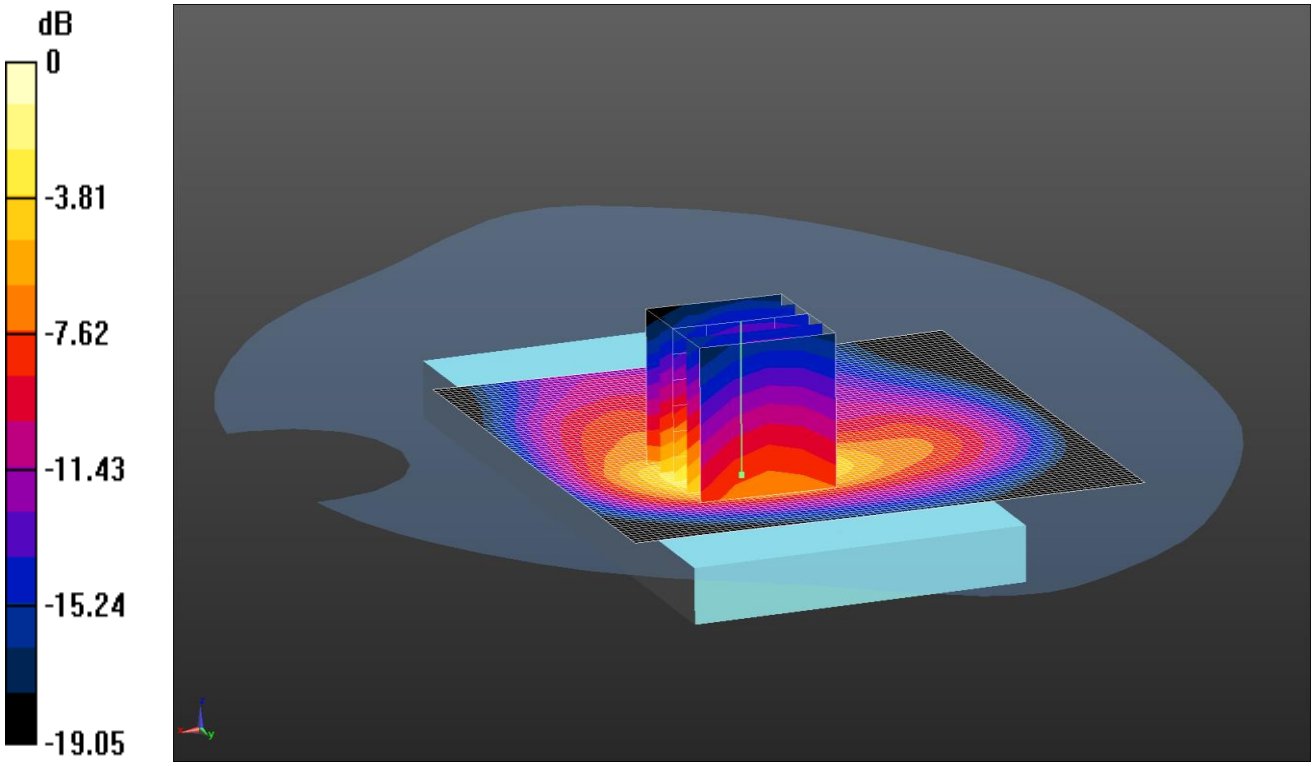
SAR/422: Back of EUT Hotspot LTE Band 2 FDD 20 MHz 1RB Low CH19100 - Flavor 2

Date: 5/5/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.608 W/kg = -2.16 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; σ = 1.592 S/m; ε_r = 51.333; ρ = 1000 kg/m^3
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) = 0.484 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 = 11.78 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.970 W/kg
SAR(1 g) = 0.520 W/kg; SAR(10 g) = 0.259 W/kg
Maximum value of SAR (measured) = 0.608 W/kg

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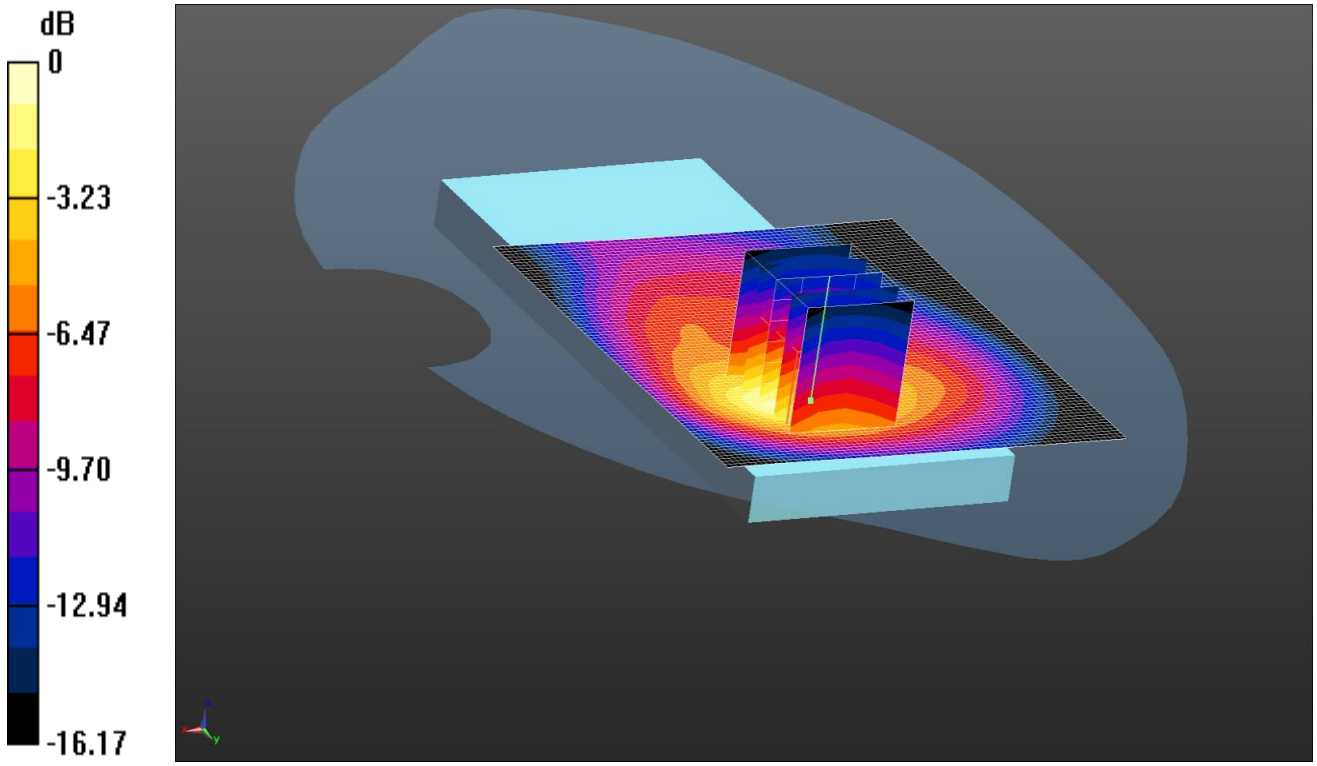
SAR/423: Back of EUT Body-worn LTE Band 2 20 MHz 1RB Low CH18700 - Flavor2

Date: 6/5/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.469 W/kg = -3.29 dBW/kg

Communication System: UID 0, LTE FDD Bands - 20MHz Channel BW (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: 1900 MSL Medium parameters used (interpolated): f = 1860 MHz; σ = 1.545 S/m; ε_r = 51.366; ρ = 1000 kg/m^3
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) = 0.459 W/kg
Configuration/Back 1RB Low - Bodyworn - PB0/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.58 V/m; Power Drift =0.2dB
Peak SAR (extrapolated) = 0.718 W/kg
SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.230 W/kg
Maximum value of SAR (measured) = 0.469 W/kg

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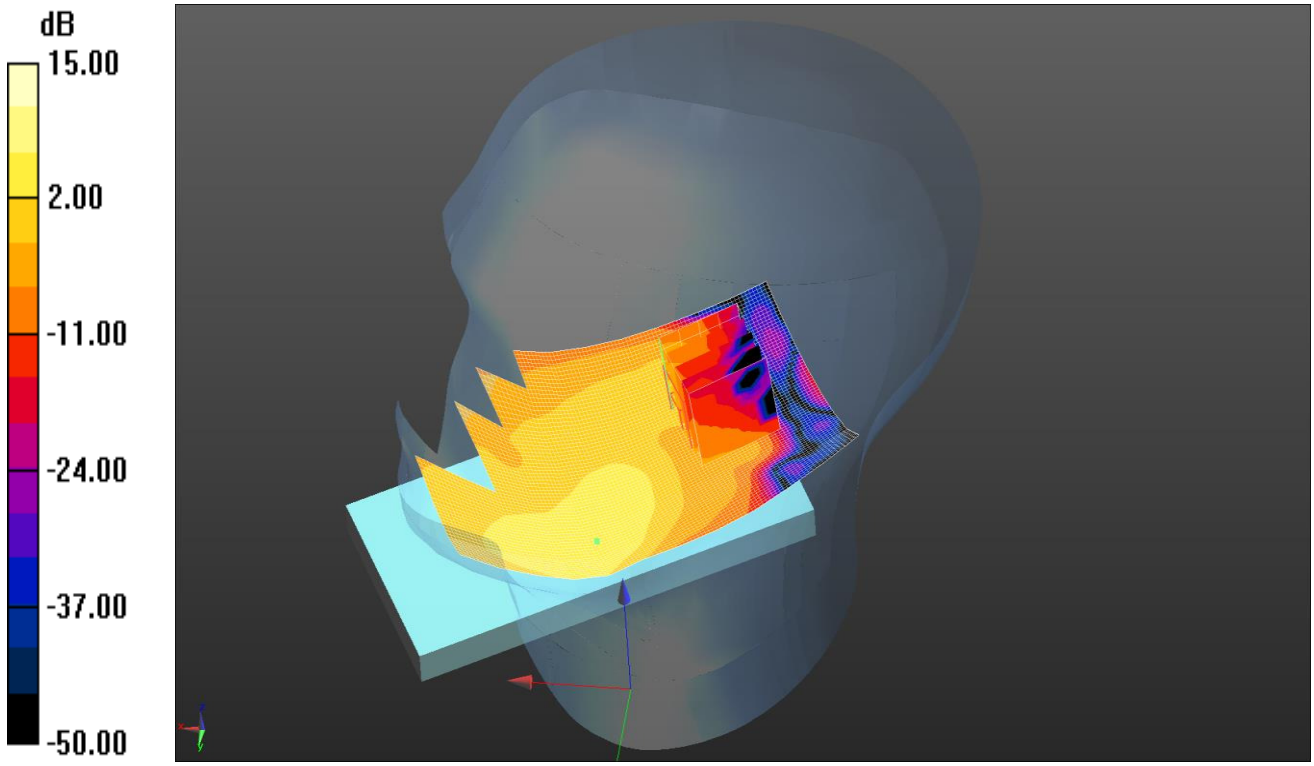
SAR/424: Touch Right LTE FDD 4 20MHz 1RB Low CH20300 - Flavor 2

Date: 25/4/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I 6



0 dB = 0.0232 W/kg = -16.35 dBW/kg

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; σ = 1.288 S/m; ε_r = 40.872; ρ = 1000 kg/m^3
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 2/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0953 W/kg
Configuration/Touch Right 1RB Low - Head - PB0 2/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.156 V/m; Power Drift = 0.60 dB
Peak SAR (extrapolated) = 0.0260 W/kg
SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00782 W/kg
Maximum value of SAR (measured) = 0.0232 W/kg

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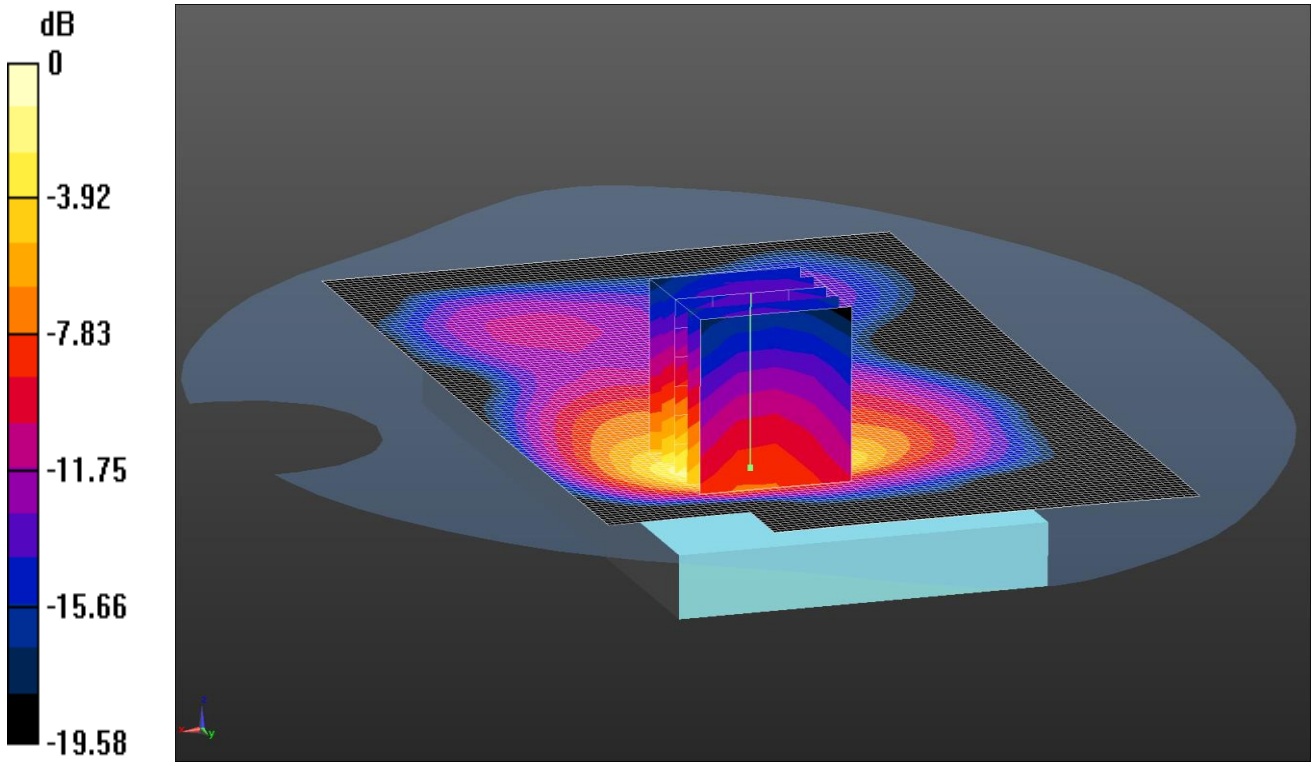
SAR/425: Back of EUT Hotspot LTE FDD 4 16QAM 20MHz 50%RB Low CH20175 - Flavor2

Date: 3/5/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.241 W/kg = -6.18 dBW/kg

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; σ = 1.513 S/m; ε_r = 53.102; ρ = 1000 kg/m^3
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) = 0.244 W/kg
Configuration/Back 50%RB Low - Hotspot - PB1 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.79 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.385 W/kg
SAR(1 g) = 0.208 W/kg; SAR(10 g) = 0.106 W/kg
Maximum value of SAR (measured) = 0.241 W/kg

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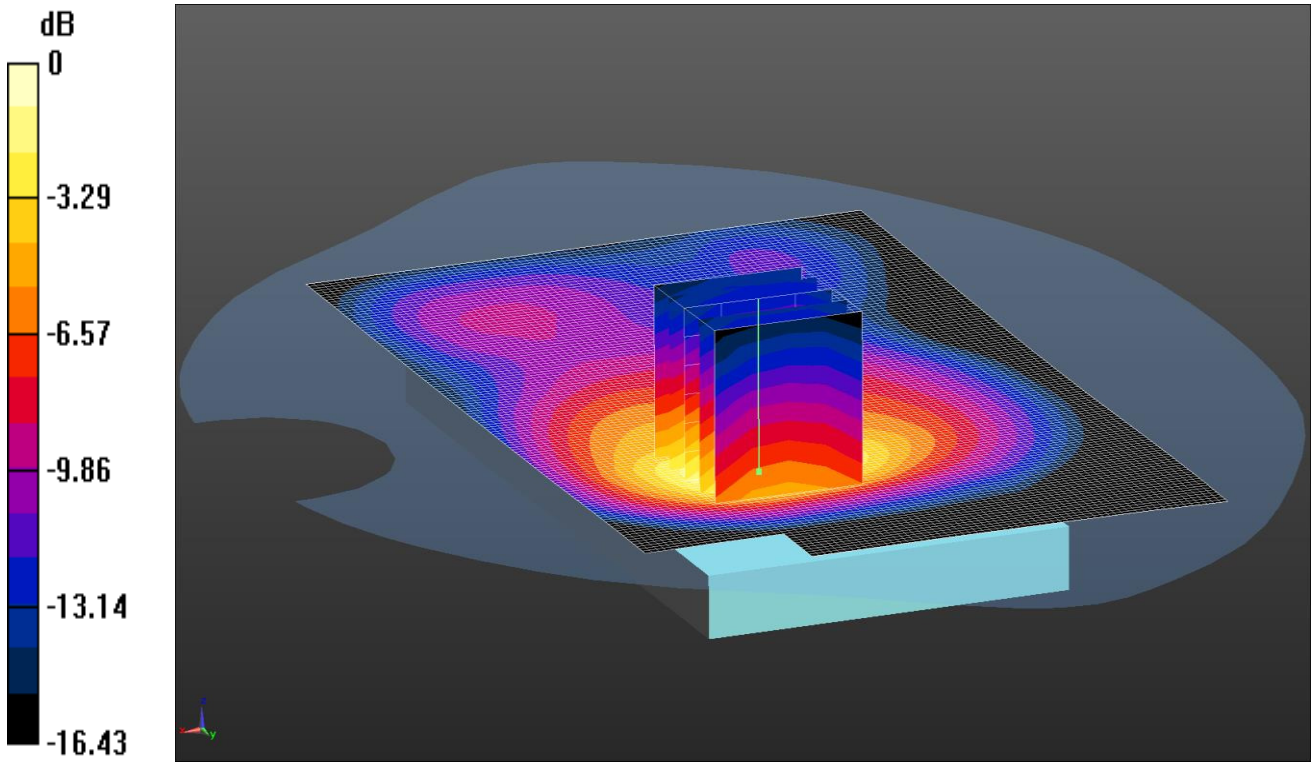
SAR/426: Back of EUT Body-worn LTE FDD 4 20MHz 1RB Low CH20300 - Flavor2

Date: 28/4/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.205 W/kg = -6.88 dBW/kg

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; σ = 1.48 S/m; ε_r = 52.804; ρ = 1000 kg/m^3
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) = 0.198 W/kg
Configuration/Back - Bodyworn - PB0/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.12 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.313 W/kg
SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.104 W/kg
Maximum value of SAR (measured) = 0.205 W/kg

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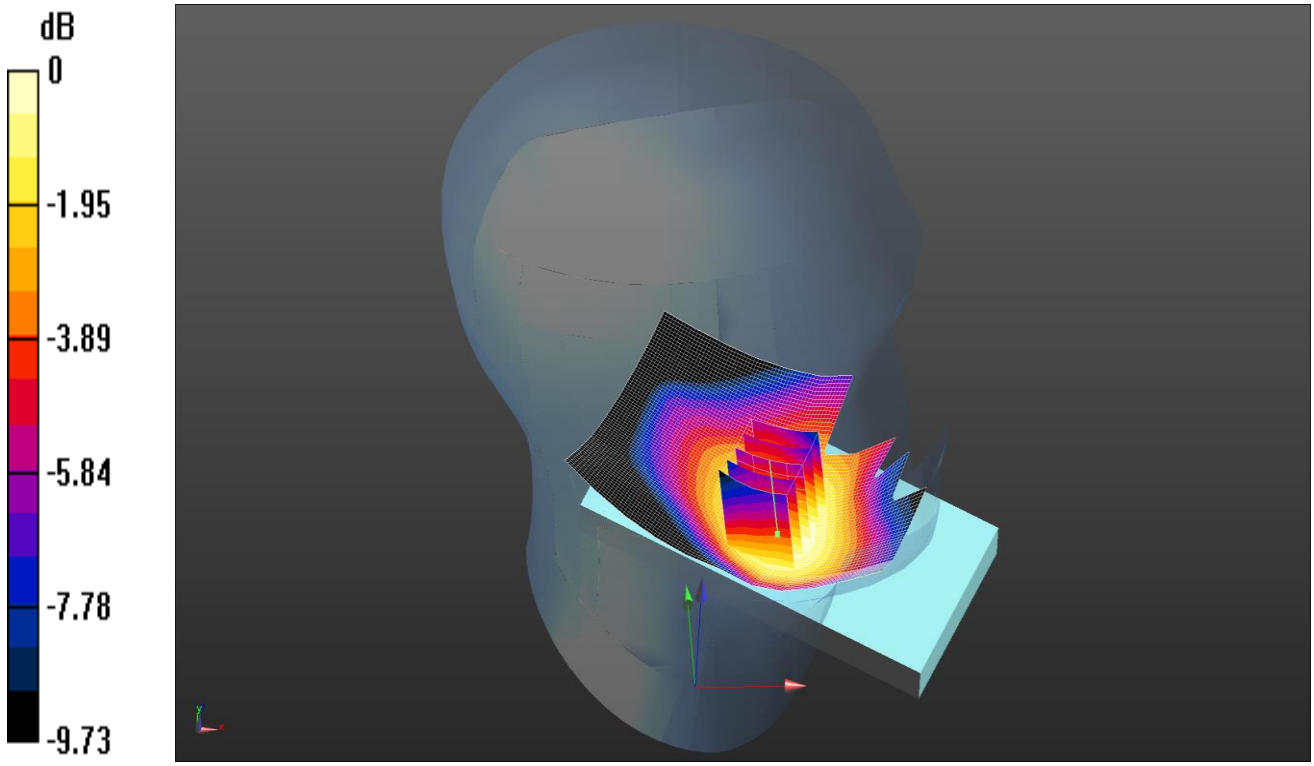
SAR/427: Touch Left LTE FDD 5 10MHz 1RB Mid CH20600 - Flavor 2

Date: 21/4/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.116 W/kg = -9.36 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; σ = 0.914 S/m; ε_r = 40.494; ρ = 1000 kg/m^3
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) = 0.120 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 = 4.446 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.130 W/kg
SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.084 W/kg
Maximum value of SAR (measured) = 0.116 W/kg

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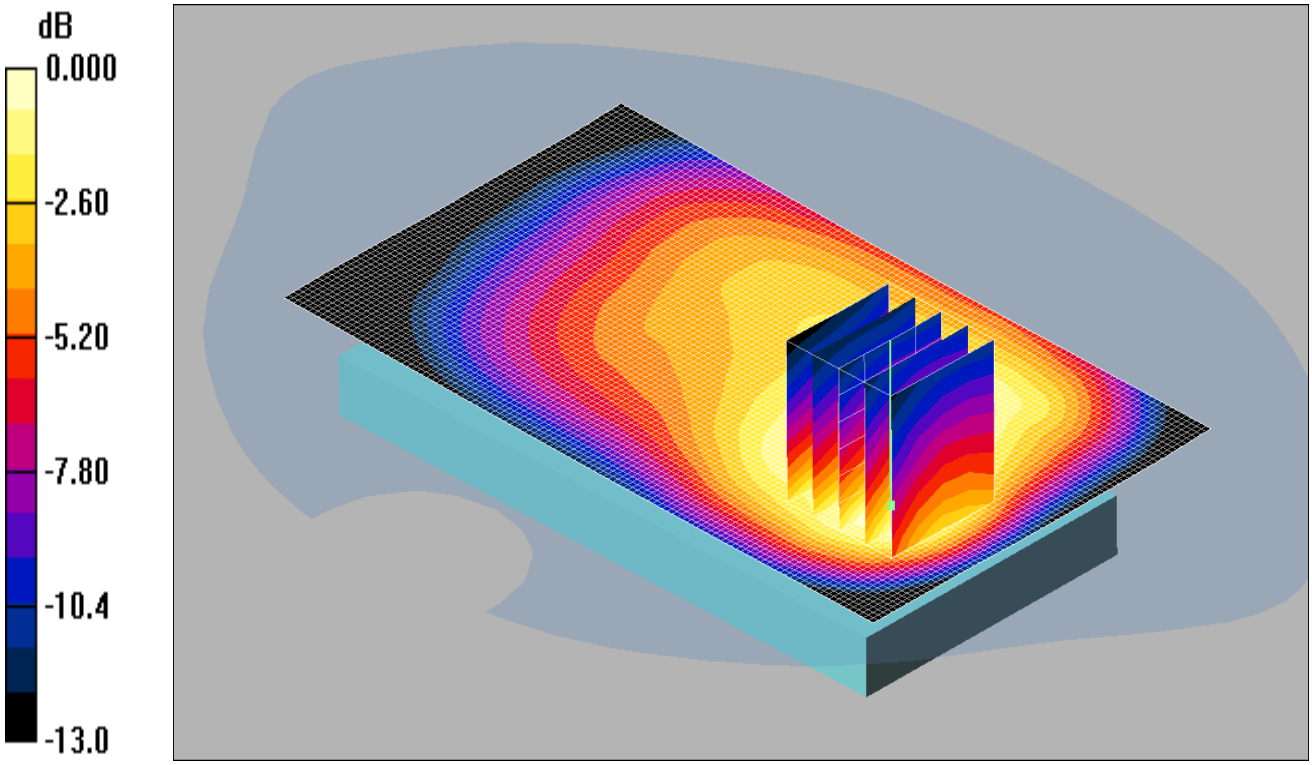
SAR/428: Back of EUT Hotspot LTE FDD 5 10MHz 1RB Middle CH20600 - Flavor 2

Date: 09/05/2016

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



0 dB = 0.440mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 844 MHz; σ = 0.991 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
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) = 0.476 mW/g
Back 1RB Middle - Hotspot - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.2 V/m; Power Drift = -0.169 dB
Peak SAR (extrapolated) = 0.831 W/kg
SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.222 mW/g
Maximum value of SAR (measured) = 0.440 mW/g

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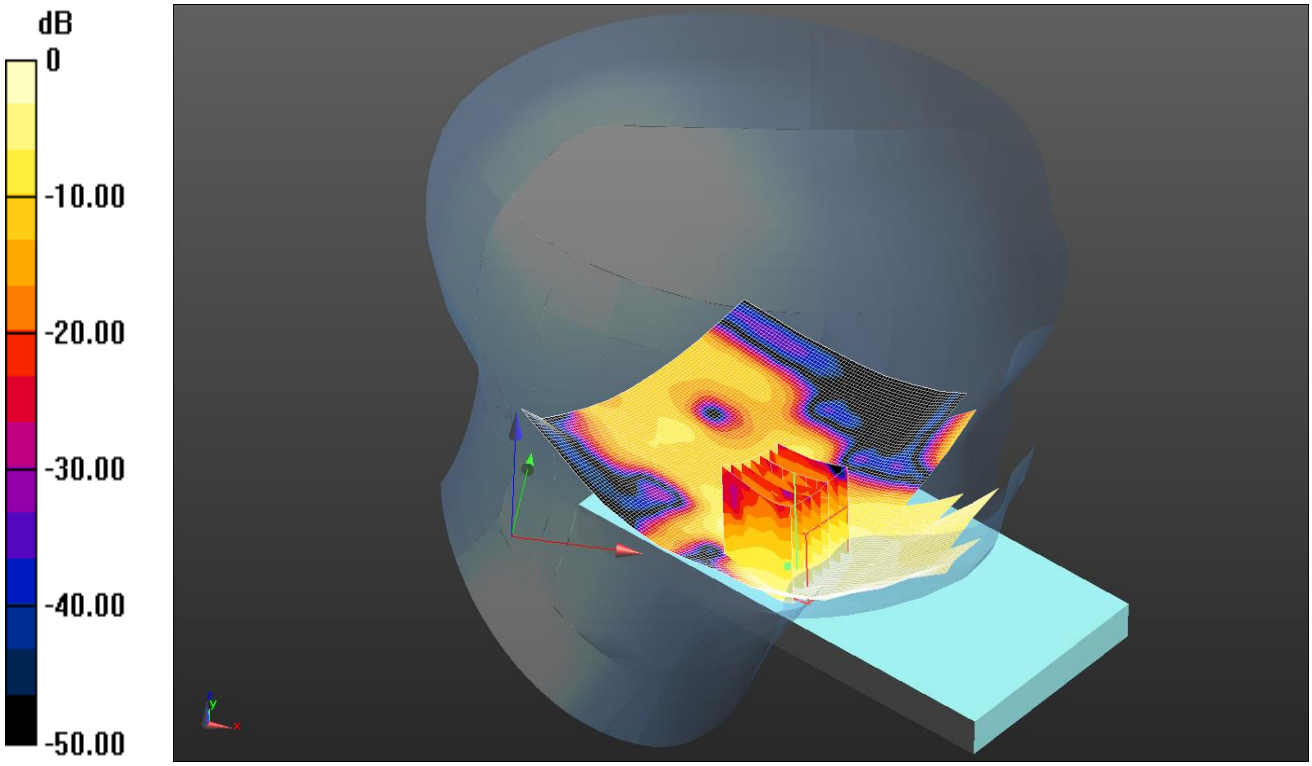
SAR/429: Touch Left LTE Band 7 20MHz 1RB Low CH21100 Flavor 2

Date: 26/04/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.0818 W/kg = -10.87 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; σ = 1.914 S/m; ε_r = 38.417; ρ = 1000 kg/m^3
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) = 0.0651 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 = 5.466 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 0.116 W/kg
SAR(1 g) = 0.055 W/kg; SAR(10 g) = 0.029 W/kg
Maximum value of SAR (measured) = 0.0818 W/kg

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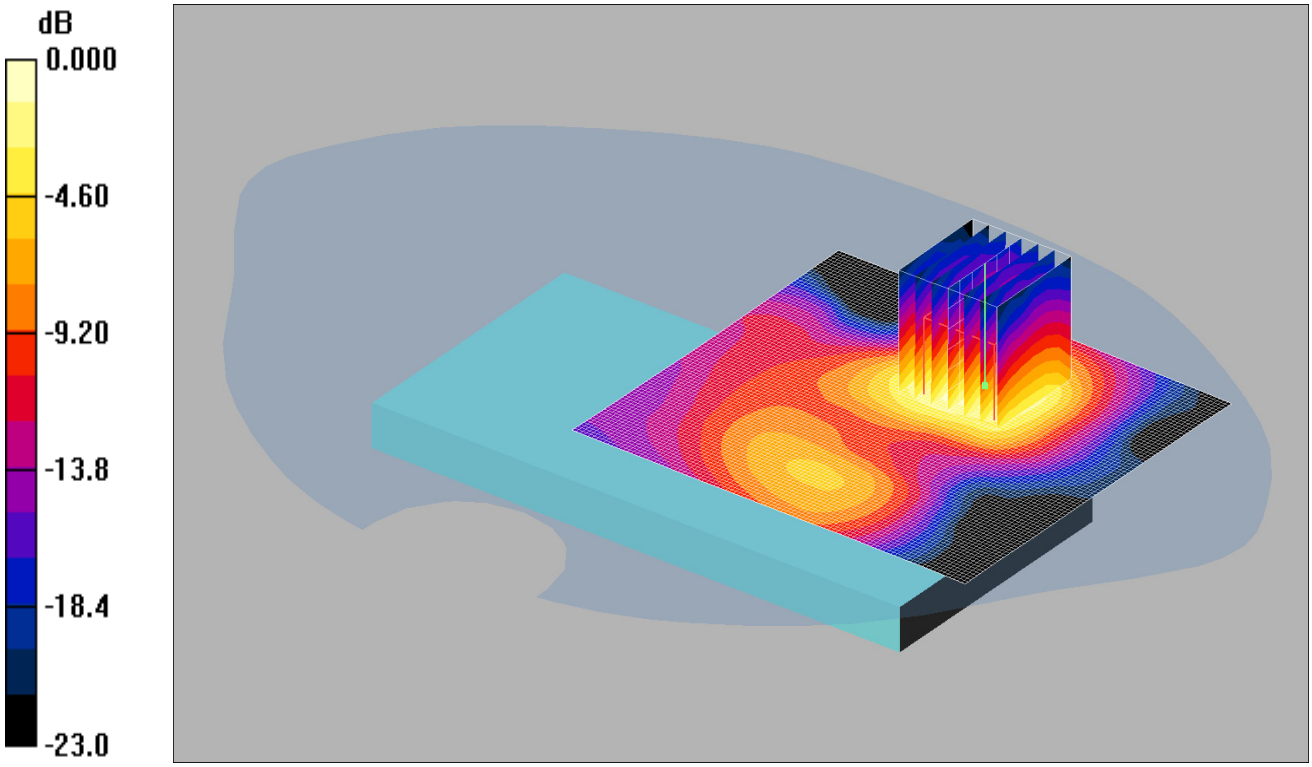
SAR/430: Back of EUT Hotspot LTE FDD 7 1RB Middle CH21100 - Flavor 2

Date: 18/05/2016

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



0 dB = 0.350mW/g

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; σ = 2.14 mho/m; ε_r = 50.4; ρ = 1000 kg/m^3
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) = 0.359 mW/g
Back 1RB Middle - Hotspot - PB1/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.89 V/m; Power Drift = 0.039 dB
Peak SAR (extrapolated) = 0.580 W/kg
SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.136 mW/g
Maximum value of SAR (measured) = 0.350 mW/g

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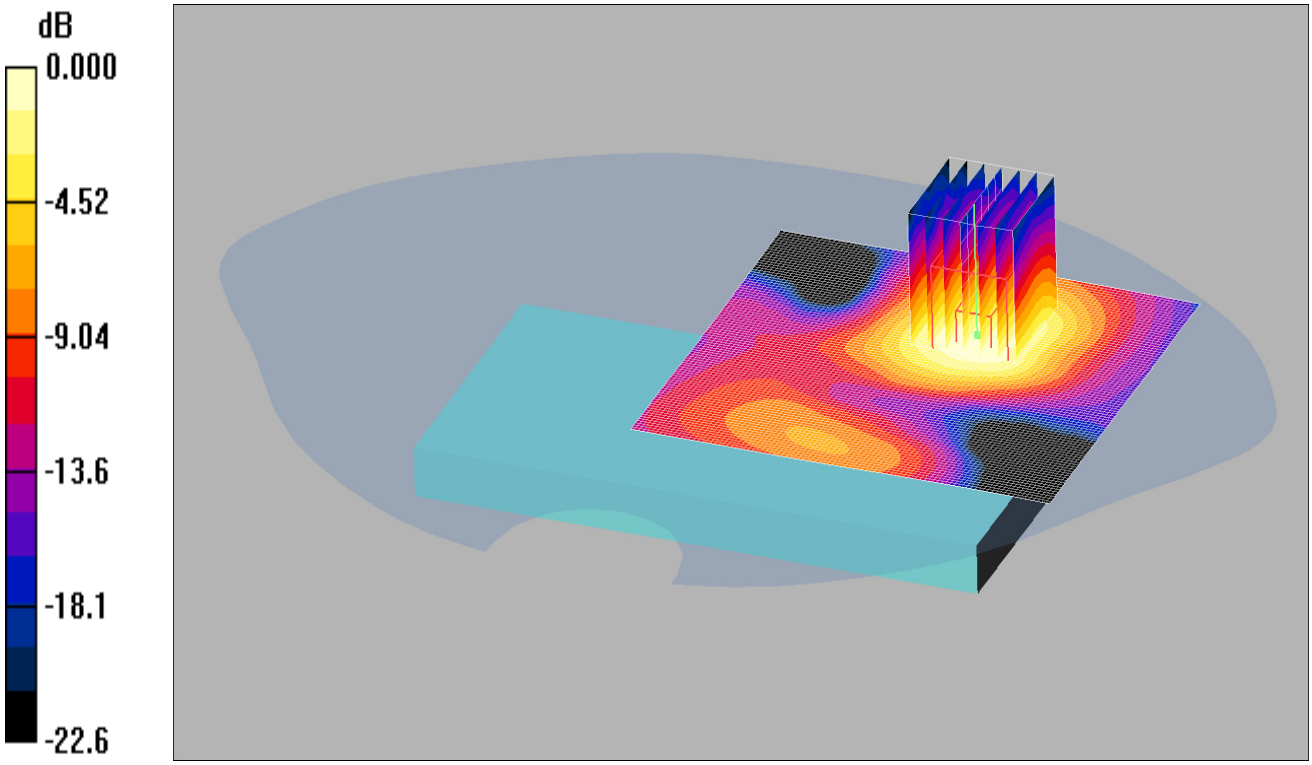
SAR/431: Back of EUT Body-worn LTE FDD 7 1RB Low CH21100 - Flavor 2

Date: 11/05/2016

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



0 dB = 0.236mW/g

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; σ = 2.02 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
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) = 0.230 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 = 9.53 V/m; Power Drift = 0.018 dB
Peak SAR (extrapolated) = 0.382 W/kg
SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.099 mW/g
Maximum value of SAR (measured) = 0.236 mW/g

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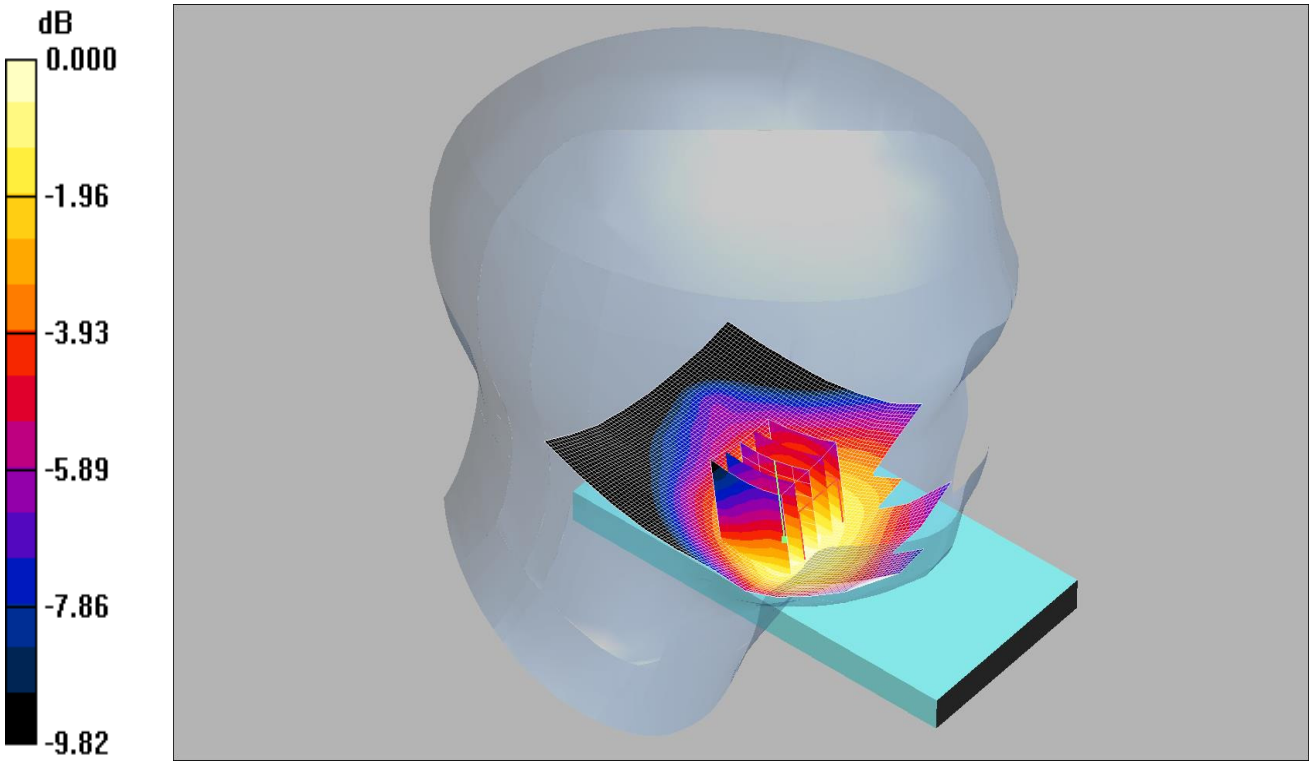
SAR/432: Touch Left LTE FDD 12 10MHz 1RB Low CH23060 - Flavor 2

Date: 16/04/2016

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



0 dB = 0.044mW/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; σ = 0.894 mho/m; ε_r = 40.4; ρ = 1000 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=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.043 mW/g
Touch Left - Head - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.48 V/m; Power Drift = -0.130 dB
Peak SAR (extrapolated) = 0.052 W/kg
SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.030 mW/g
Maximum value of SAR (measured) = 0.044 mW/g

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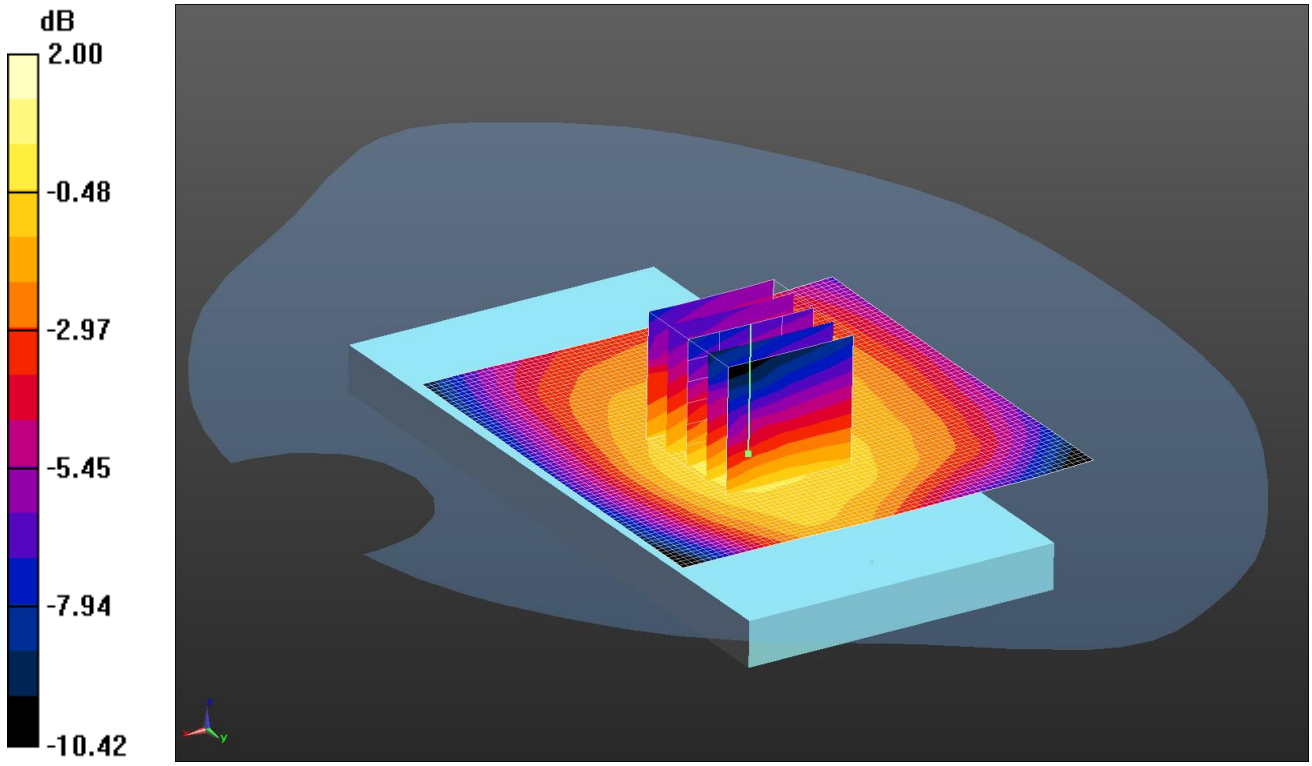
SAR/433: Back of EUT Hotspot LTE FDD 12 10MHz 1RB Low CH23130 Flavor 2

Date: 11/05/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.148 W/kg = -8.30 dBW/kg

Communication System: UID 0, LTE - Band 12 / 10MHz Channel; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: 900/750 MHz MSL Medium parameters used (interpolated): f = 711 MHz; σ = 0.912 S/m; ε_r = 53.916; ρ = 1000 kg/m^3
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 low - Hotspot - PBx 2/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.144 W/kg
Configuration/Back 1RB low - Hotspot - PBx 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.24 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.188 W/kg
SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.105 W/kg
Maximum value of SAR (measured) = 0.148 W/kg

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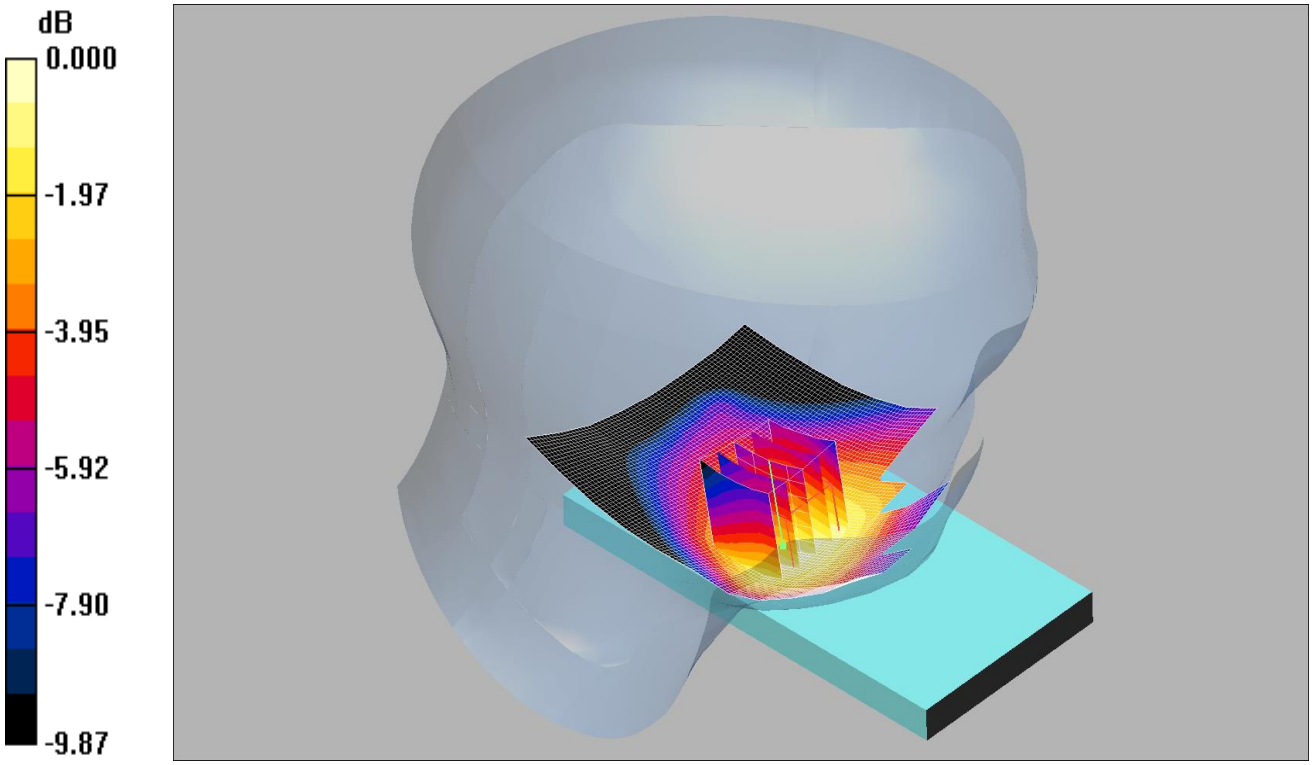
SAR/434: Touch Left LTE FDD 13 10MHz 1RB High CH23230 - Flavor 2

Date: 18/04/2016

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



0 dB = 0.065mW/g

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; σ = 0.881 mho/m; ε_r = 39.9; ρ = 1000 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=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.064 mW/g
Touch Left - Head - PBx/Zoom Scan (5x5x7) 3 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.10 V/m; Power Drift = 0.093 dB
Peak SAR (extrapolated) = 0.081 W/kg
SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.044 mW/g
Maximum value of SAR (measured) = 0.065 mW/g

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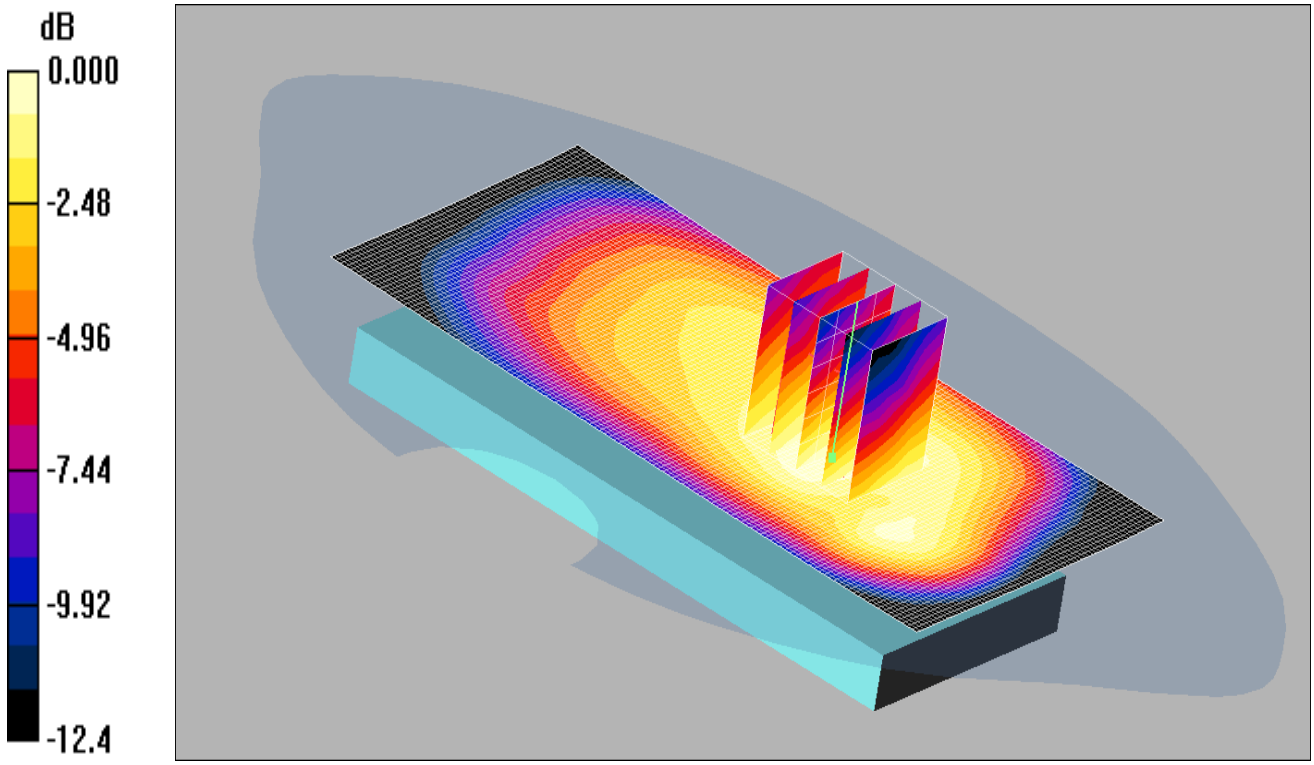
SAR/435: Back of EUT Hotspot LTE 13 10MHz 1RB High CH23230 Flavor 2

Date: 13/05/2016

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



0 dB = 0.264mW/g

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; σ = 0.949 mho/m; ε_r = 54.5; ρ = 1000 kg/m^3
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) = 0.262 mW/g

Back 1RB High - Hotspot - PBx 3/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.2 V/m; Power Drift = 0.071 dB
Peak SAR (extrapolated) = 0.330 W/kg
SAR(1 g) = 0.249 mW/g; SAR(10 g) = 0.181 mW/g
Maximum value of SAR (measured) = 0.264 mW/g

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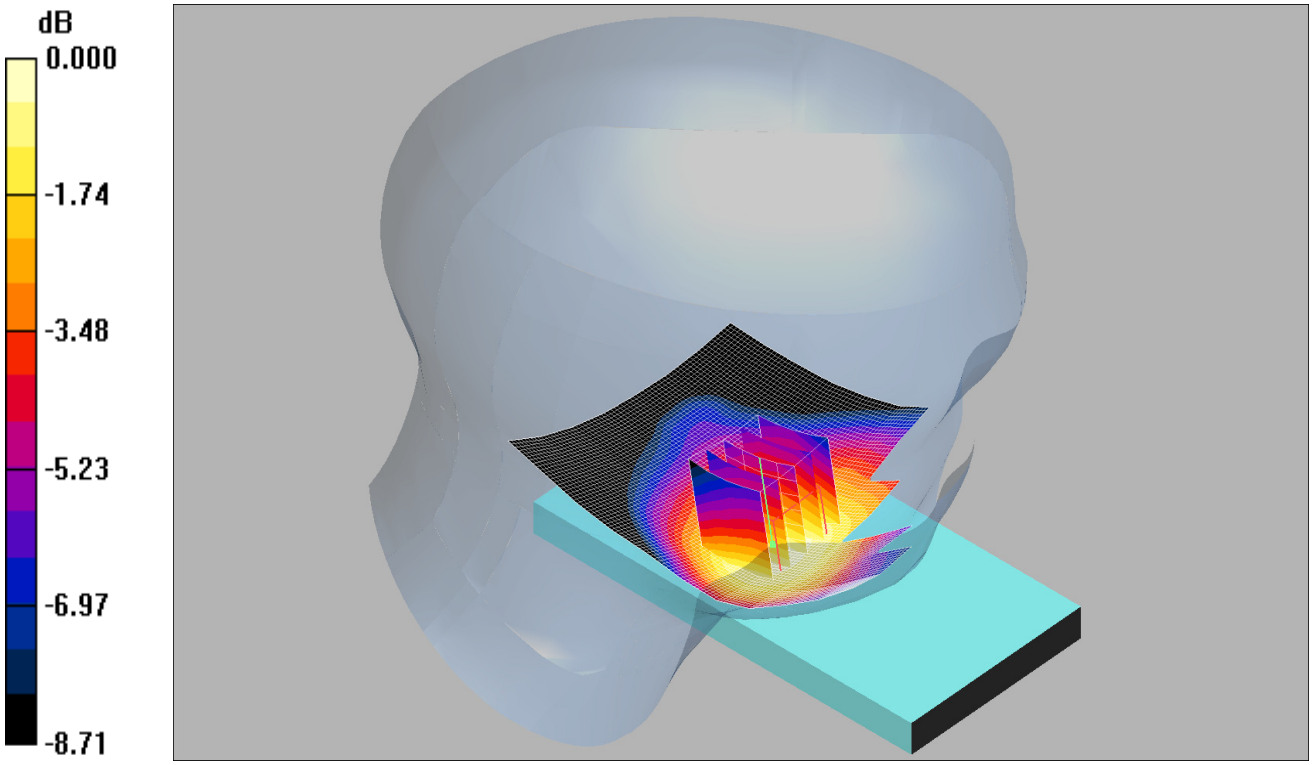
SAR/436: Touch Left LTE FDD 17 10MHz 1RB High CH23790 - Flavor 2

Date: 19/04/2016

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



0 dB = 0.042mW/g

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; σ = 0.838 mho/m; ε_r = 40.4; ρ = 1000 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=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 = 0.000 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) = 0.042 mW/g

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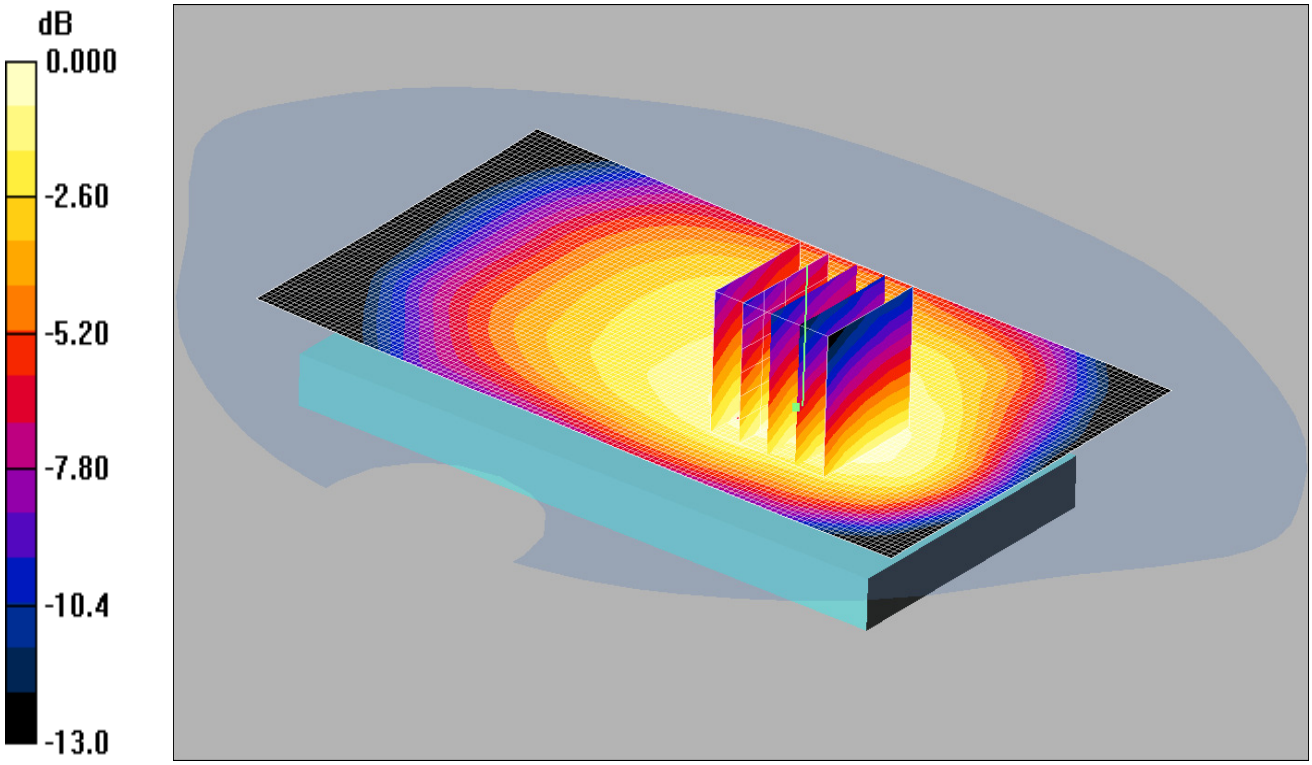
SAR/437: Back of EUT Hotspot LTE 17 10MHz 1RB High CH23780 Flavor 2

Date: 17/05/2016

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



0 dB = 0.163mW/g

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; σ = 0.904 mho/m; ε_r = 54.2; ρ = 1000 kg/m^3
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 2/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.159 mW/g

Back 1RB High - Hotspot - PBx 3 2/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.4 V/m; Power Drift = -0.038 dB
Peak SAR (extrapolated) = 0.201 W/kg
SAR(1 g) = 0.154 mW/g; SAR(10 g) = 0.110 mW/g
Maximum value of SAR (measured) = 0.163 mW/g

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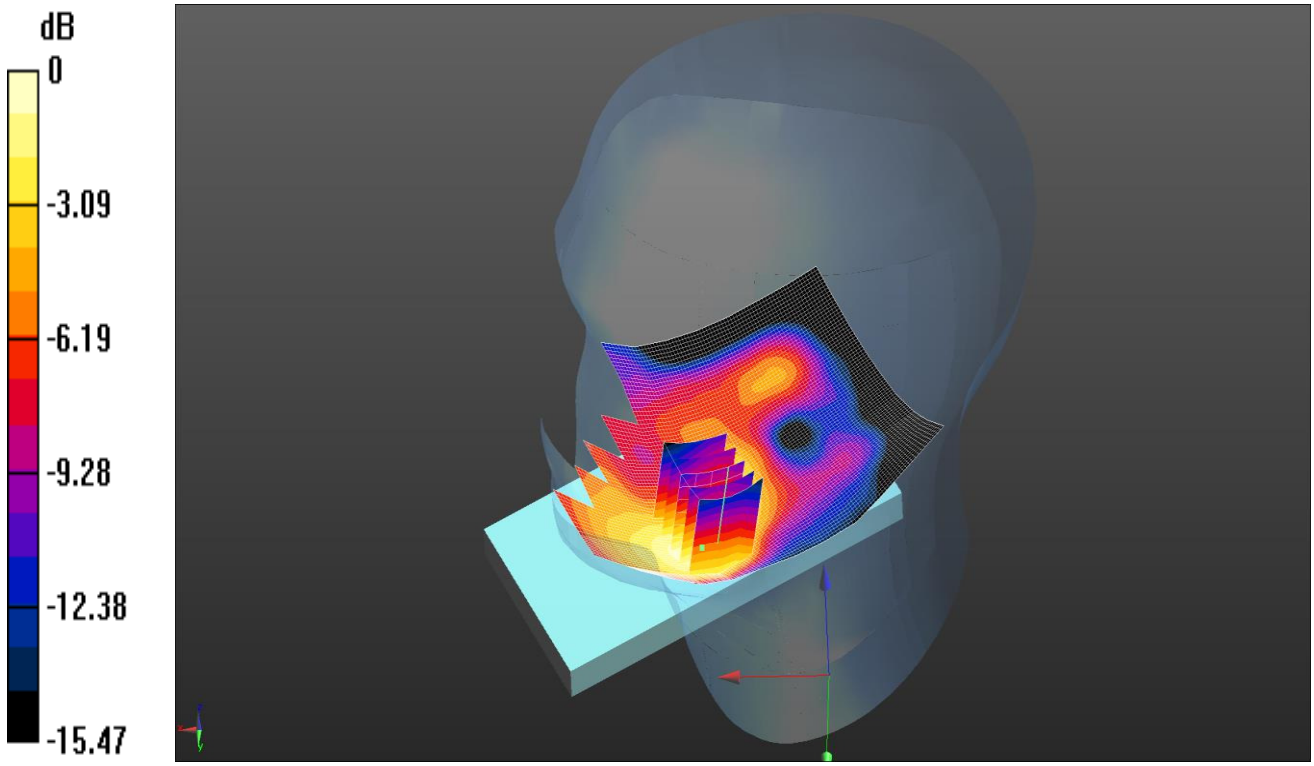
SAR/438: Touch Right LTE Band 25 FDD 20 MHz 1 RB Low CH26140 - Flavor 2

Date: 19/4/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.161 W/kg = -7.93 dBW/kg

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; σ = 1.392 S/m; ε_r = 39.173; ρ = 1000 kg/m^3
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) = 0.169 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 = 11.17 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.233 W/kg
SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.099 W/kg
Maximum value of SAR (measured) = 0.161 W/kg

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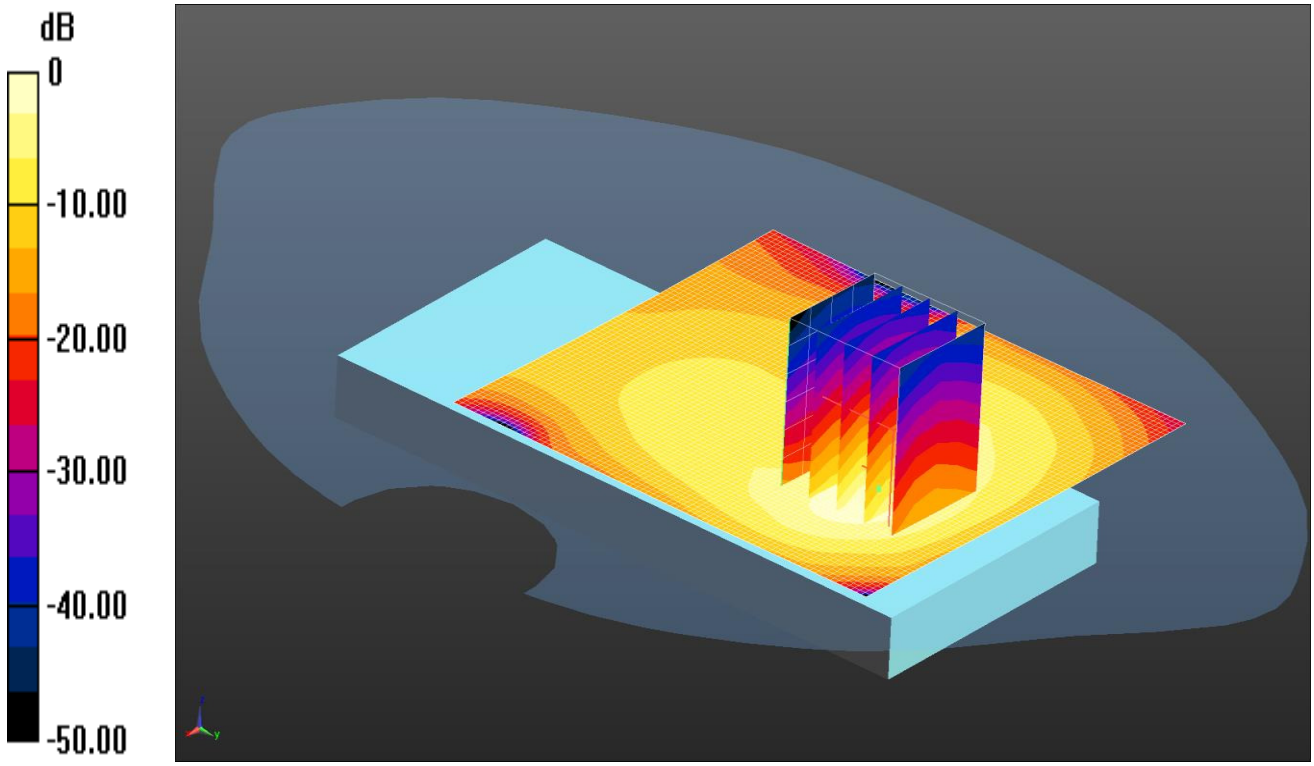
SAR/439: Back of EUT Hotspot LTE Band 25 20 MHz 1RB Low CH26590 - Flavor 2

Date: 9/5/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.466 W/kg = -3.31 dBW/kg

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; σ = 1.507 S/m; ε_r = 51.761; ρ = 1000 kg/m^3
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) = 0.466 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 = 8.094 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.770 W/kg
SAR(1 g) = 0.423 W/kg; SAR(10 g) = 0.214 W/kg
.
Maximum value of SAR (measured) = 0.475 W/kg

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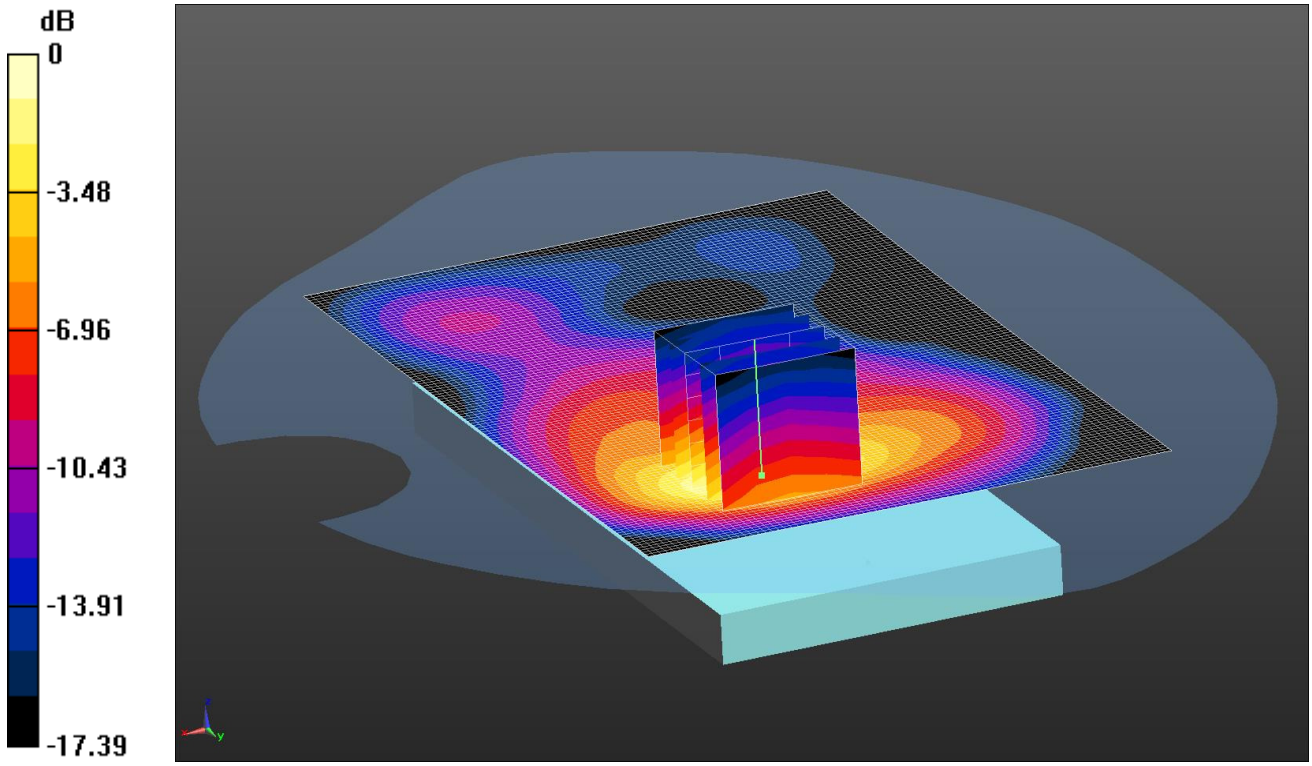
SAR/440: Back of EUT LTE Band 25 20 MHz 1RB Low CH26140 - Flavor2

Date: 16/05/2016
DUT: Model Name: Solarin; Model Number: SR0020-W; FCC ID: 2AIP8I



0 dB = 0.369 W/kg = -4.33 dBW/kg

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; σ = 1.495 S/m; ε_r = 51.771; ρ = 1000 kg/m^3
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 (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.354 W/kg
Configuration/Back 1RB Low - Bodyworn - PB0/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.605 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.567 W/kg
SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.179 W/kg
Maximum value of SAR (measured) = 0.369 W/kg

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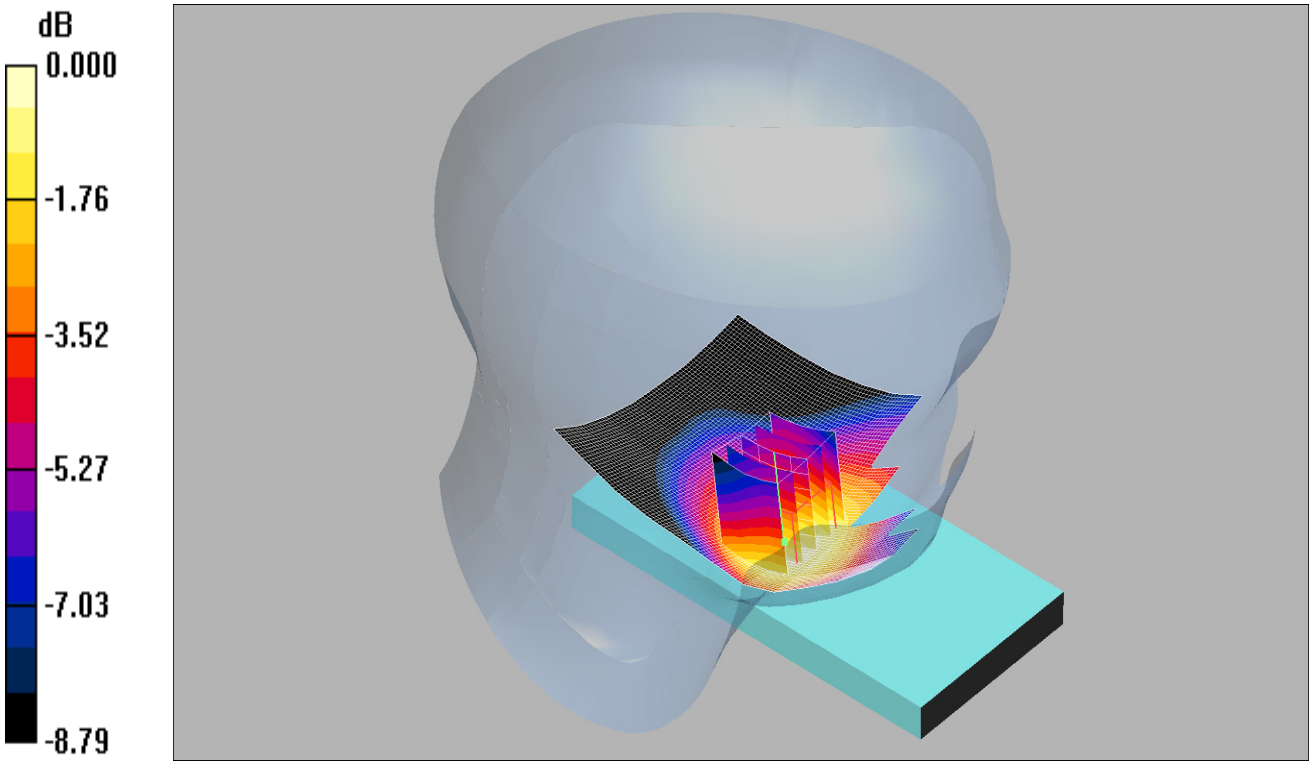
SAR/441: Touch Left LTE FDD 26 15MHz 1RB Low CH26865 - Flavor 2

Date: 06/05/2016

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



0 dB = 0.118mW/g

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; σ = 0.909 mho/m; ε_r = 40.3; ρ = 1000 kg/m^3
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) = 0.119 mW/g
Touch Left 1RB Low - Head - PBx/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.0 V/m; Power Drift = -0.014 dB
Peak SAR (extrapolated) = 0.133 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

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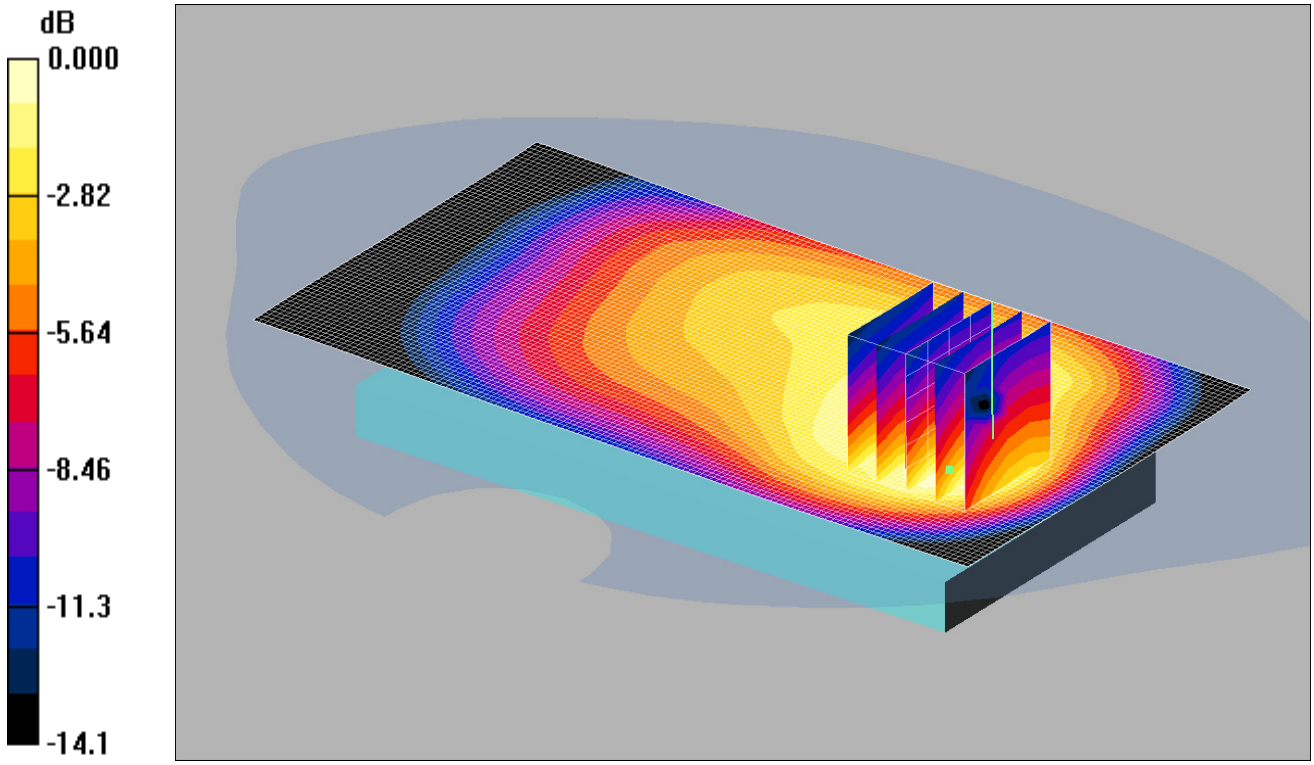
SAR/442: Back of EUT Hotspot LTE FDD 26 15MHz 1RB Low CH26965 - Flavor 2

Date: 28/04/2016

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



0 dB = 0.485mW/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; σ = 0.98 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
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) = 0.527 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 = 0.010 dB
Peak SAR (extrapolated) = 0.912 W/kg
SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.240 mW/g
Maximum value of SAR (measured) = 0.485 mW/g

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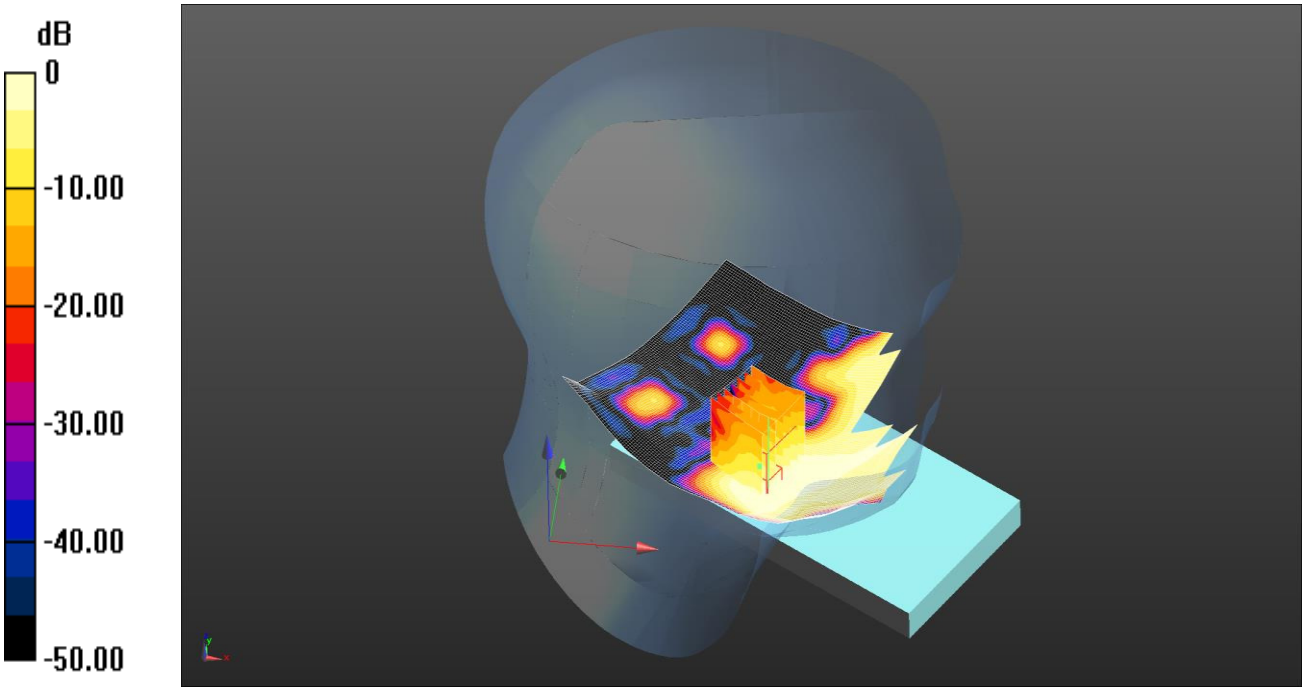
SAR/443: Touch Left LTE Band 30 10MHz 50%RB Low CH27710 Flavor 2

Date: 05/05/2016

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



0 dB = 0.0596 W/kg = -12.25 dBW/kg

Communication System: UID 0, LTE Bands - 10MHz Channel BW (0); Frequency: 2310 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2310 MHz; σ = 1.72 S/m; εr = 40.143; ρ = 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 (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) = 0.0473 W/kg
Configuration/Touch Left 50%RB Low - Head - PB0/Zoom Scan (7x7x7) 2 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.625 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.179 W/kg
SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.020 W/kg
Maximum value of SAR (measured) = 0.0596 W/kg

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