

## Appendix 4. SAR Distribution Scans

This appendix contains SAR distribution scans which are not included in the total number of pages for this report.

Scan Reference Number	Title
SCN/87697/001	Touch Left GSM CH190
SCN/87697/002	Touch Left GSM CH128
SCN/87697/003	Touch Left GSM CH251
SCN/87697/004	Tilt Left GSM CH190
SCN/87697/005	Touch Right GSM CH190
SCN/87697/006	Touch Right GSM CH128
SCN/87697/007	Touch Right GSM CH251
SCN/87697/008	Tilt Right GSM CH190
SCN/87697/009	Front of EUT Facing Phantom GPRS CH190
SCN/87697/010	Rear of EUT Facing Phantom GPRS CH190
SCN/87697/011	Left Hand Side of EUT Facing Phantom GPRS CH190
SCN/87697/012	Right Hand Side of EUT Facing Phantom GPRS CH190
SCN/87697/013	Bottom of EUT Facing Phantom GPRS CH190
SCN/87697/014	Rear of EUT Facing Phantom EDGE CH190
SCN/87697/015	Rear of EUT Facing Phantom GSM CH190
SCN/87697/016	Rear of EUT Facing Phantom GSM CH128
SCN/87697/017	Rear of EUT Facing Phantom GSM CH251
SCN/87697/018	Rear of EUT Facing Phantom GPRS CH128
SCN/87697/019	Rear of EUT Facing Phantom GPRS CH251
SCN/87697/020	Rear of EUT Facing Phantom with PHF GPRS CH251
SCN/87697/021	Touch Left PCS CH661
SCN/87697/022	Touch Left PCS CH512
SCN/87697/023	Touch Left PCS CH810
SCN/87697/024	Tilt Left PCS CH661
SCN/87697/025	Touch Right PCS CH661
SCN/87697/026	Tilt Right PCS CH661
SCN/87697/027	Front of EUT Facing Phantom GPRS CH661
SCN/87697/028	Front of EUT Facing Phantom GPRS CH512
SCN/87697/029	Front of EUT Facing Phantom GPRS CH810
SCN/87697/030	Rear of EUT Facing Phantom GPRS CH661
SCN/87697/031	Rear of EUT Facing Phantom GPRS CH512
SCN/87697/032	Rear of EUT Facing Phantom GPRS CH810

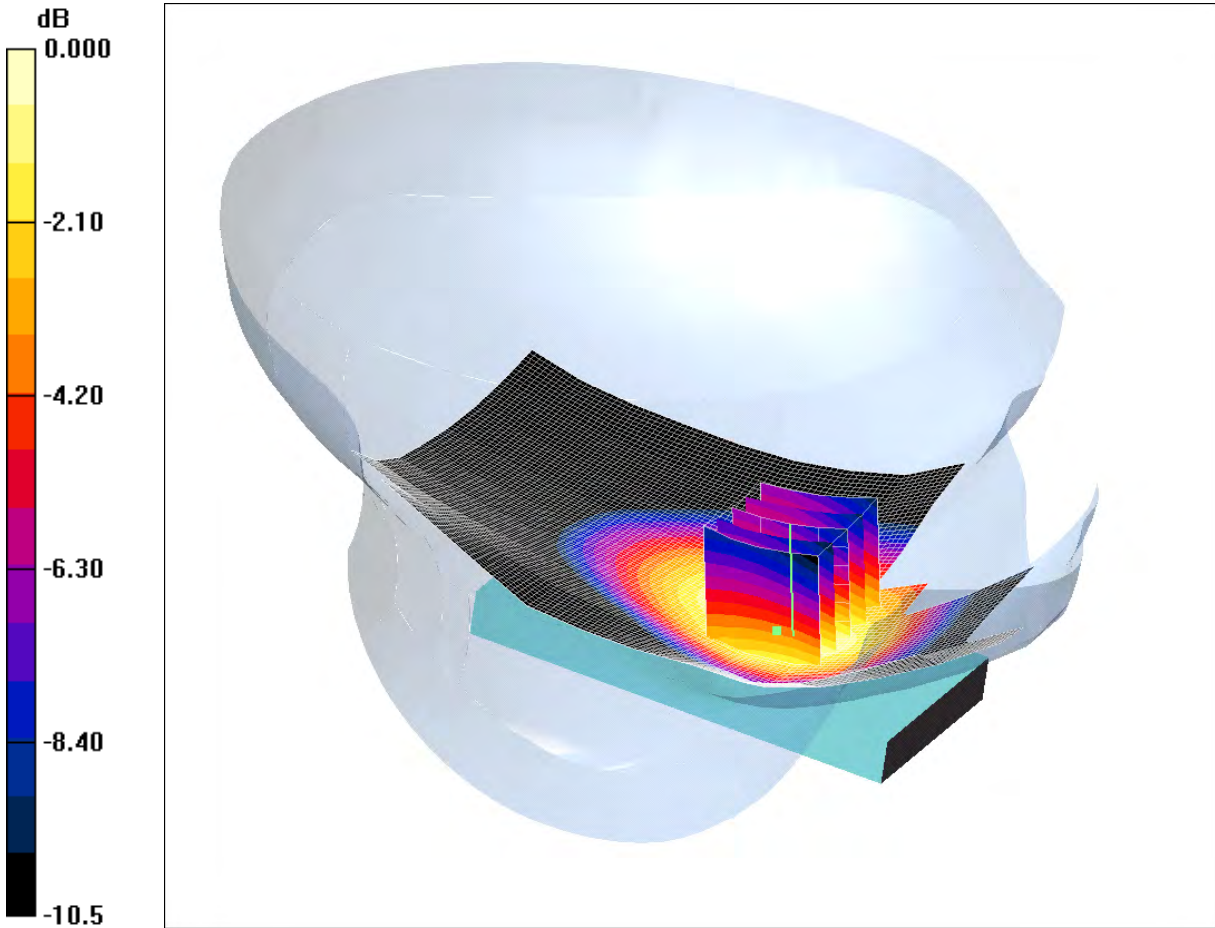
**SAR Distribution Scans (Continued)**

Scan Reference Number	Title
SCN/87697/033	Left Hand Side of EUT Facing Phantom GPRS CH661
SCN/87697/034	Right Hand Side of EUT Facing Phantom GPRS CH661
SCN/87697/035	Bottom of EUT Facing Phantom GPRS CH661
SCN/87697/036	Front of EUT Facing Phantom EDGE CH661
SCN/87697/037	Front of EUT Facing Phantom EDGE CH512
SCN/87697/038	Front of EUT Facing Phantom EDGE CH810
SCN/87697/039	Front of EUT Facing Phantom PCS CH661
SCN/87697/040	Front of EUT Facing Phantom 15mm GPRS CH810
SCN/87697/041	Front of EUT Facing Phantom with PHF GPRS CH810
SCN/87697/042	Touch Left WLAN 802.11b 1Mbps CH6
SCN/87697/043	Tilt Left WLAN 802.11b 1Mbps CH6
SCN/87697/044	Touch Right WLAN 802.11b 1Mbps CH6
SCN/87697/045	Tilt Right WLAN 802.11b 1Mbps CH6
SCN/87697/046	Touch Left WLAN 802.11g 6Mbps CH6
SCN/87697/047	Touch Left WLAN 802.11n 6_5Mbps CH6
SCN/87697/048	Touch Left WLAN 802.11b 1Mbps CH1
SCN/87697/049	Touch Left WLAN 802.11b 1Mbps CH11
SCN/87697/050	Front of EUT Facing Phantom WLAN 802.11b 1Mbps CH6
SCN/87697/051	Rear of EUT Facing Phantom WLAN 802.11b 1Mbps CH6
SCN/87697/052	Left Hand Side of EUT Facing Phantom WLAN 802.11b 1Mbps CH6
SCN/87697/053	Right Hand Side of EUT Facing Phantom WLAN 802.11b 1Mbps CH6
SCN/87697/054	Top of EUT Facing Phantom WLAN 802.11b 1Mbps CH6
SCN/87697/055	Rear of EUT Facing Phantom WLAN 802.11g 6Mbps CH6
SCN/87697/056	Rear of EUT Facing Phantom WLAN 802.11n 6_5Mbps CH6
SCN/87697/057	Rear of EUT Facing Phantom WLAN 802.11b 1Mbps CH1
SCN/87697/058	Rear of EUT Facing Phantom WLAN 802.11b 1Mbps CH11
SCN/87697/059	Rear of EUT Facing Phantom with PHF WLAN 802.11b 1Mbps CH1
SCN/87697/060	System Performance Check 900MHz Head 17 04 12
SCN/87697/061	System Performance Check 900MHz Body 18 04 12
SCN/87697/062	System Performance Check 900MHz Body 20 04 12
SCN/87697/063	System Performance Check 1900MHz Head 18 04 12
SCN/87697/064	System Performance Check 1900MHz Head 19 04 12
SCN/87697/065	System Performance Check 1900MHz Body 19 04 12
SCN/87697/066	System Performance Check 1900MHz Body 20 04 12
SCN/87697/067	System Performance Check 2450MHz Head 21 04 12
SCN/87697/068	System Performance Check 2450MHz Body 21 04 12

SCN/87697/001: Touch Left GSM CH190

Date/Time: 17/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.868mW/g

Communication System: GSM 850 MHz; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz HSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.9$  mho/m;  $\epsilon_r = 43.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.75, 8.75, 8.75); Calibrated: 22/09/2011

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

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Touch Left - Middle/Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.895 mW/g

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

Reference Value = 9.14 V/m; Power Drift = 0.018 dB

Peak SAR (extrapolated) = 1.08 W/kg

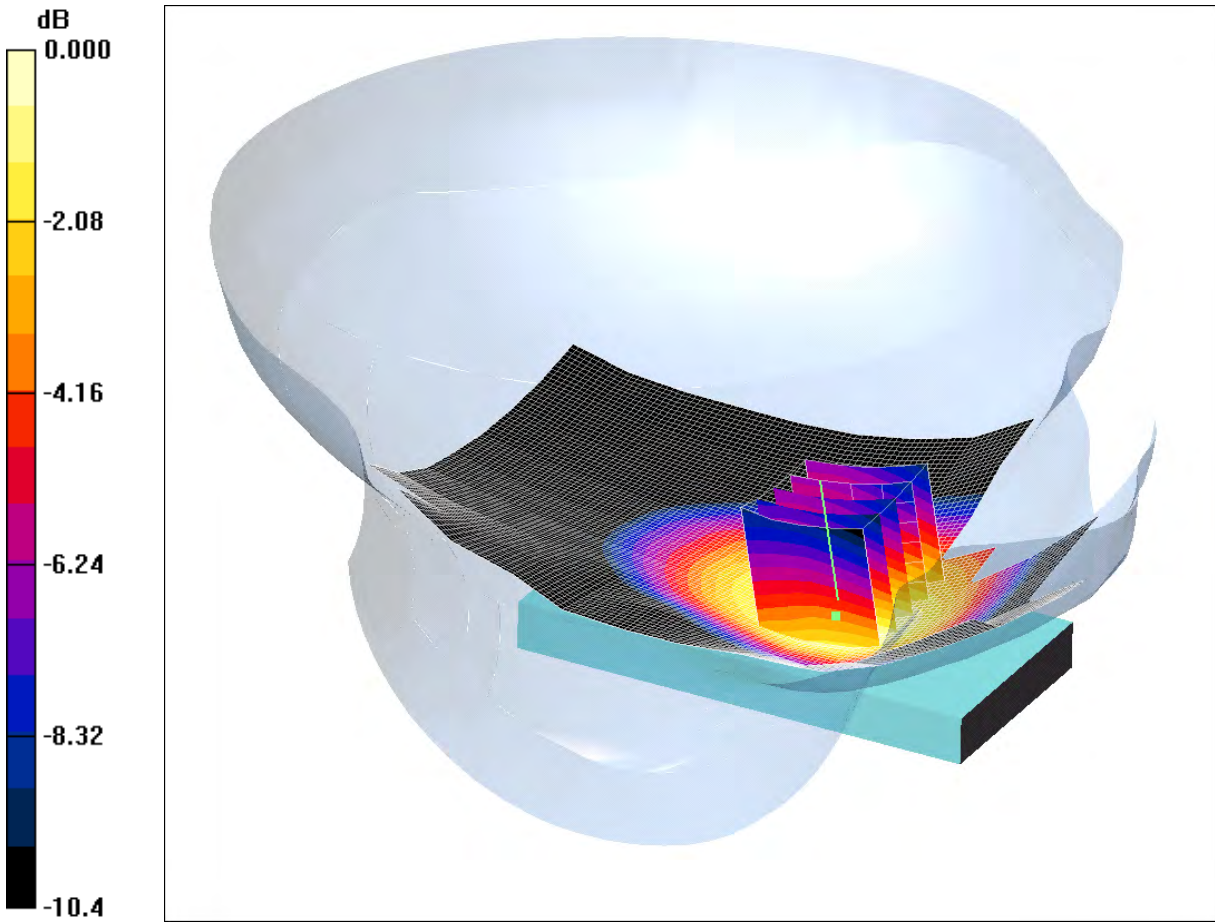
**SAR(1 g) = 0.828 mW/g; SAR(10 g) = 0.607 mW/g**

Maximum value of SAR (measured) = 0.868 mW/g

SCN/87697/002: Touch Left GSM CH128

Date: 17/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.741mW/g

Communication System: GSM 850 MHz; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz HSL Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.892$  mho/m;  $\epsilon_r = 43.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.75, 8.75, 8.75); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Touch Left - Low/Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.756 mW/g

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

Reference Value = 7.42 V/m; Power Drift = -0.177 dB

Peak SAR (extrapolated) = 0.917 W/kg

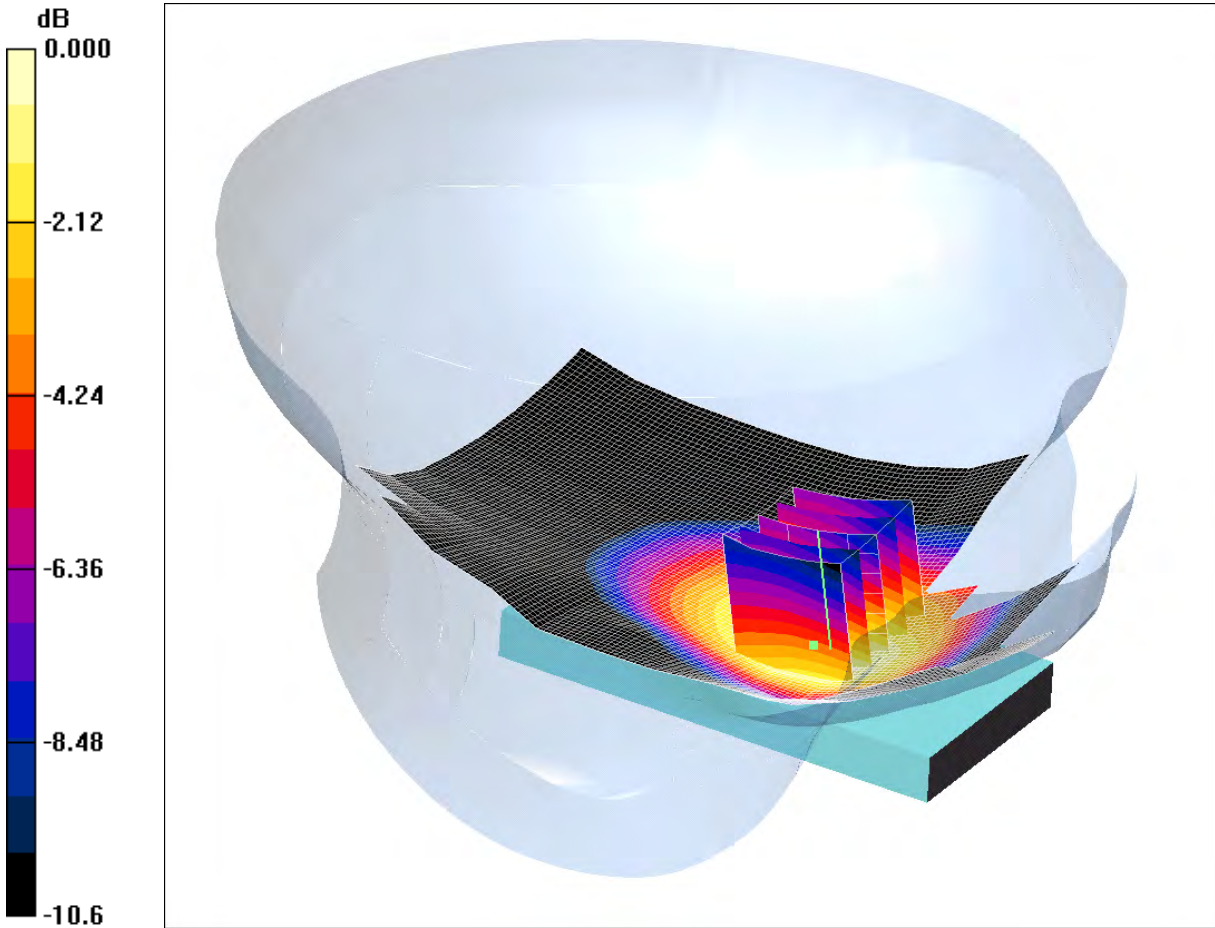
**SAR(1 g) = 0.709 mW/g; SAR(10 g) = 0.520 mW/g**

Maximum value of SAR (measured) = 0.741 mW/g

SCN/87697/003: Touch Left GSM CH251

Date: 17/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 1.05mW/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;  $\sigma = 0.908$  mho/m;  $\epsilon_r = 43.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.75, 8.75, 8.75); Calibrated: 22/09/2011

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

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Touch Left - High/Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.08 mW/g

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

Reference Value = 8.36 V/m; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 1.34 W/kg

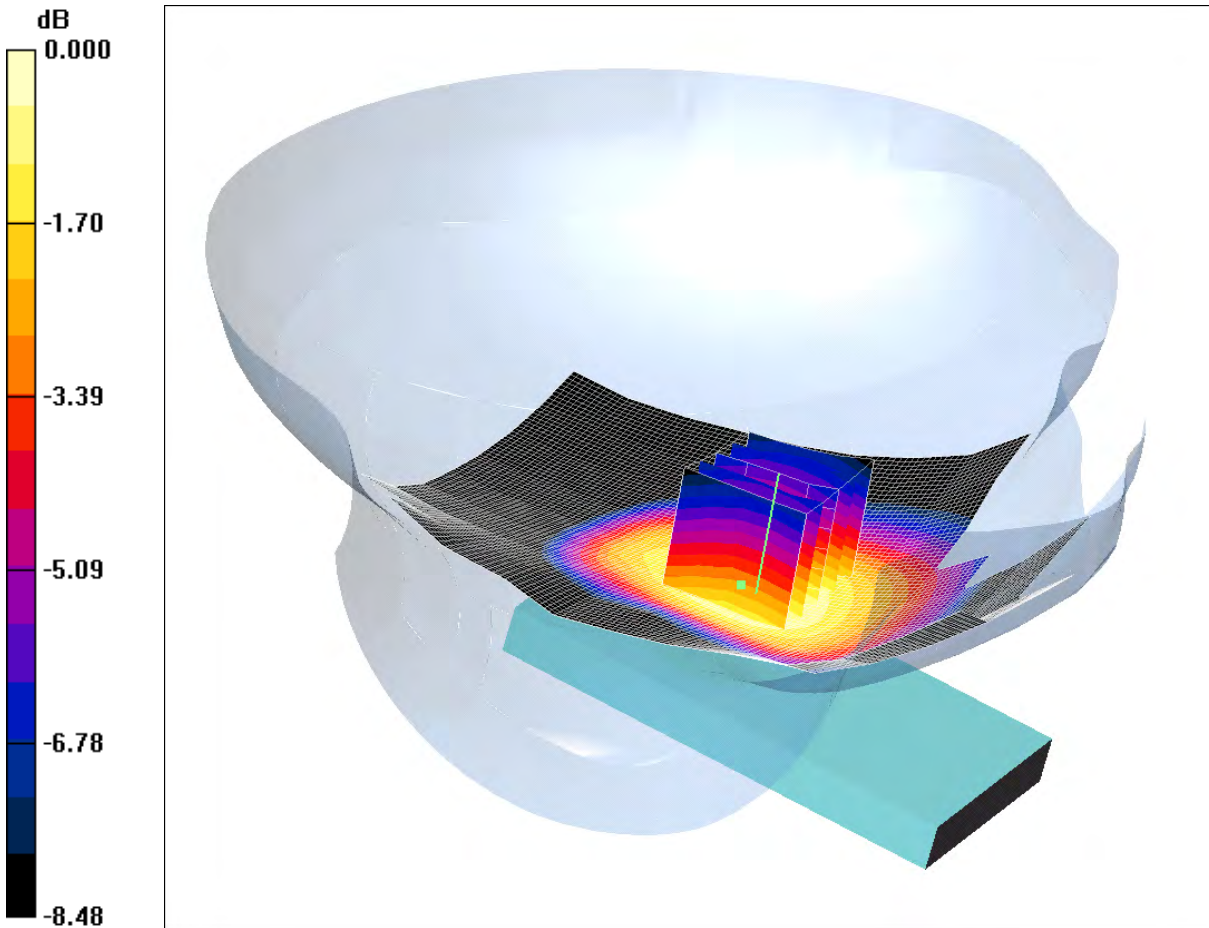
**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.738 mW/g**

Maximum value of SAR (measured) = 1.05 mW/g

SCN/87697/004: Tilt Left GSM CH190

Date: 17/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.470mW/g

Communication System: GSM 850 MHz; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz HSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.9$  mho/m;  $\epsilon_r = 43.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.75, 8.75, 8.75); Calibrated: 22/09/2011

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

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Tilt Left - Middle/Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.474 mW/g

**Tilt Left - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.3 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 0.568 W/kg

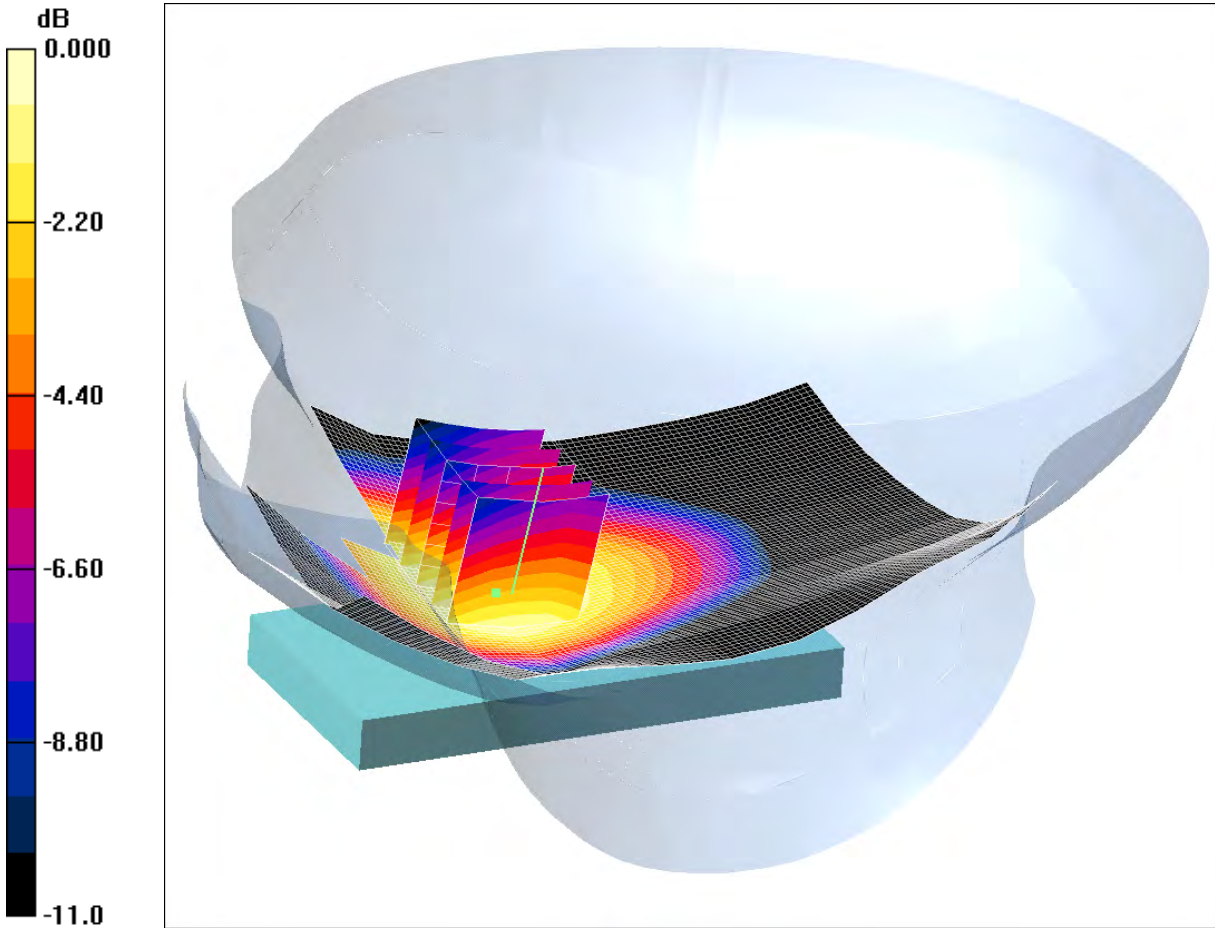
**SAR(1 g) = 0.452 mW/g; SAR(10 g) = 0.340 mW/g**

Maximum value of SAR (measured) = 0.470 mW/g

SCN/87697/005: Touch Right GSM CH190

Date: 17/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.907mW/g

Communication System: GSM 850 MHz; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz HSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.9$  mho/m;  $\epsilon_r = 43.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.75, 8.75, 8.75); Calibrated: 22/09/2011

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

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Touch Right - Middle 2/Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.928 mW/g

**Touch Right - Middle 2/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = 0.099 dB

Peak SAR (extrapolated) = 1.09 W/kg

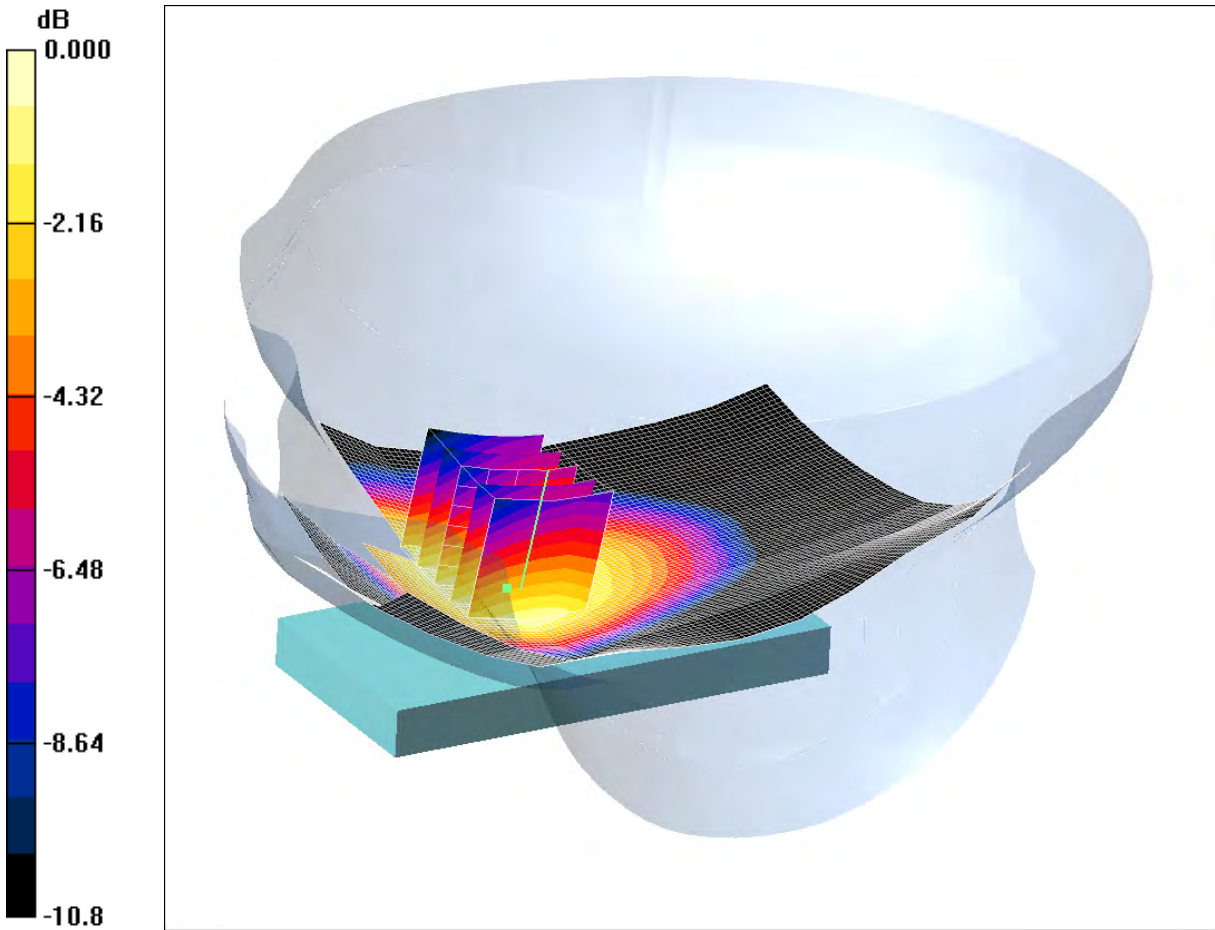
**SAR(1 g) = 0.867 mW/g; SAR(10 g) = 0.646 mW/g**

Maximum value of SAR (measured) = 0.907 mW/g

SCN/87697/006: Touch Right GSM CH128

Date: 17/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.782mW/g

Communication System: GSM 850 MHz; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz HSL Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.892$  mho/m;  $\epsilon_r = 43.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.75, 8.75, 8.75); Calibrated: 22/09/2011

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

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Touch Right - Low/Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.776 mW/g

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

Reference Value = 10.3 V/m; Power Drift = 0.080 dB

Peak SAR (extrapolated) = 0.948 W/kg

**SAR(1 g) = 0.744 mW/g; SAR(10 g) = 0.554 mW/g**

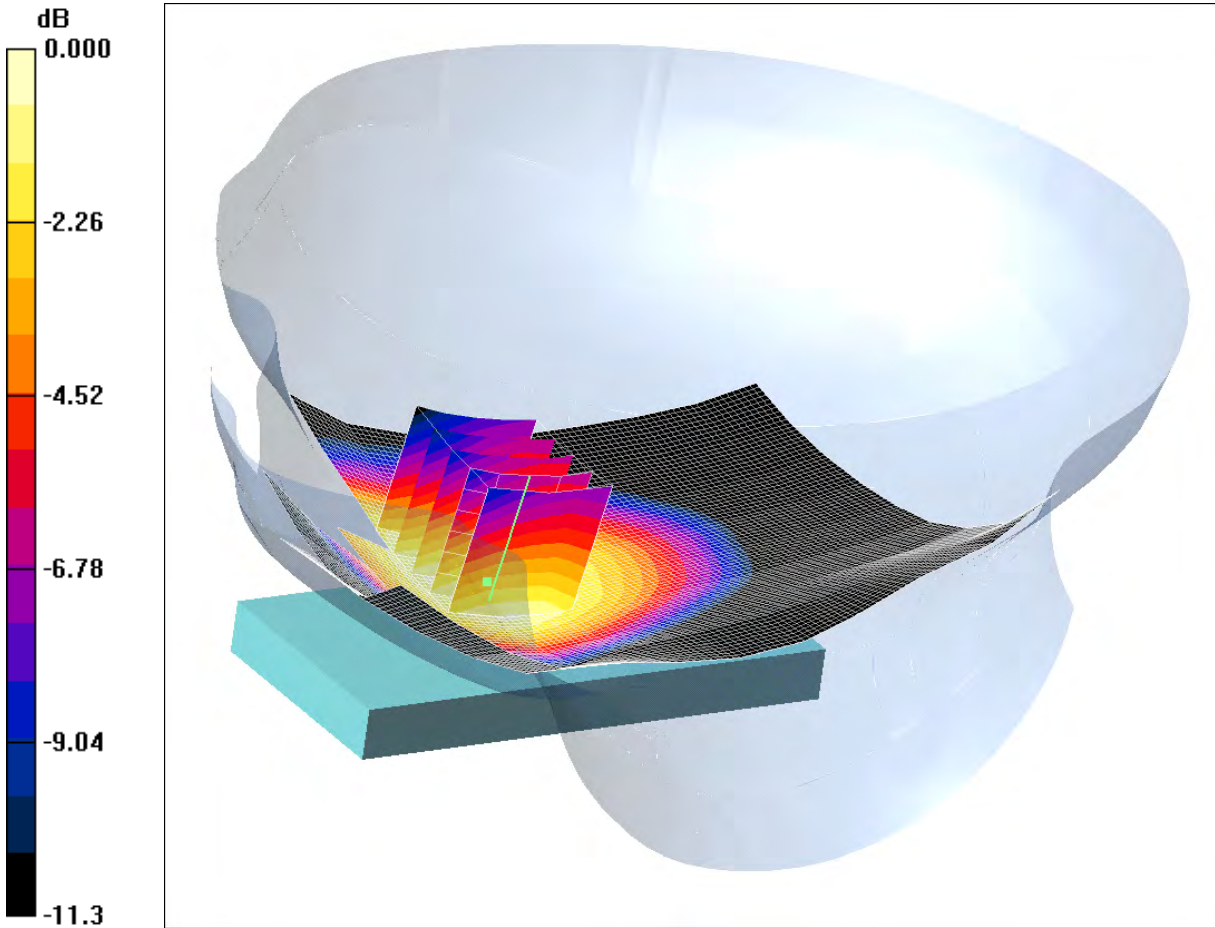
Maximum value of SAR (measured) = 0.782 mW/g



SCN/87697/007: Touch Right GSM CH251

Date: 17/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 1.11mW/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;  $\sigma = 0.908$  mho/m;  $\epsilon_r = 43.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.75, 8.75, 8.75); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Touch Right - High/Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.12 mW/g

**Touch Right - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.7 V/m; Power Drift = 0.149 dB

Peak SAR (extrapolated) = 1.35 W/kg

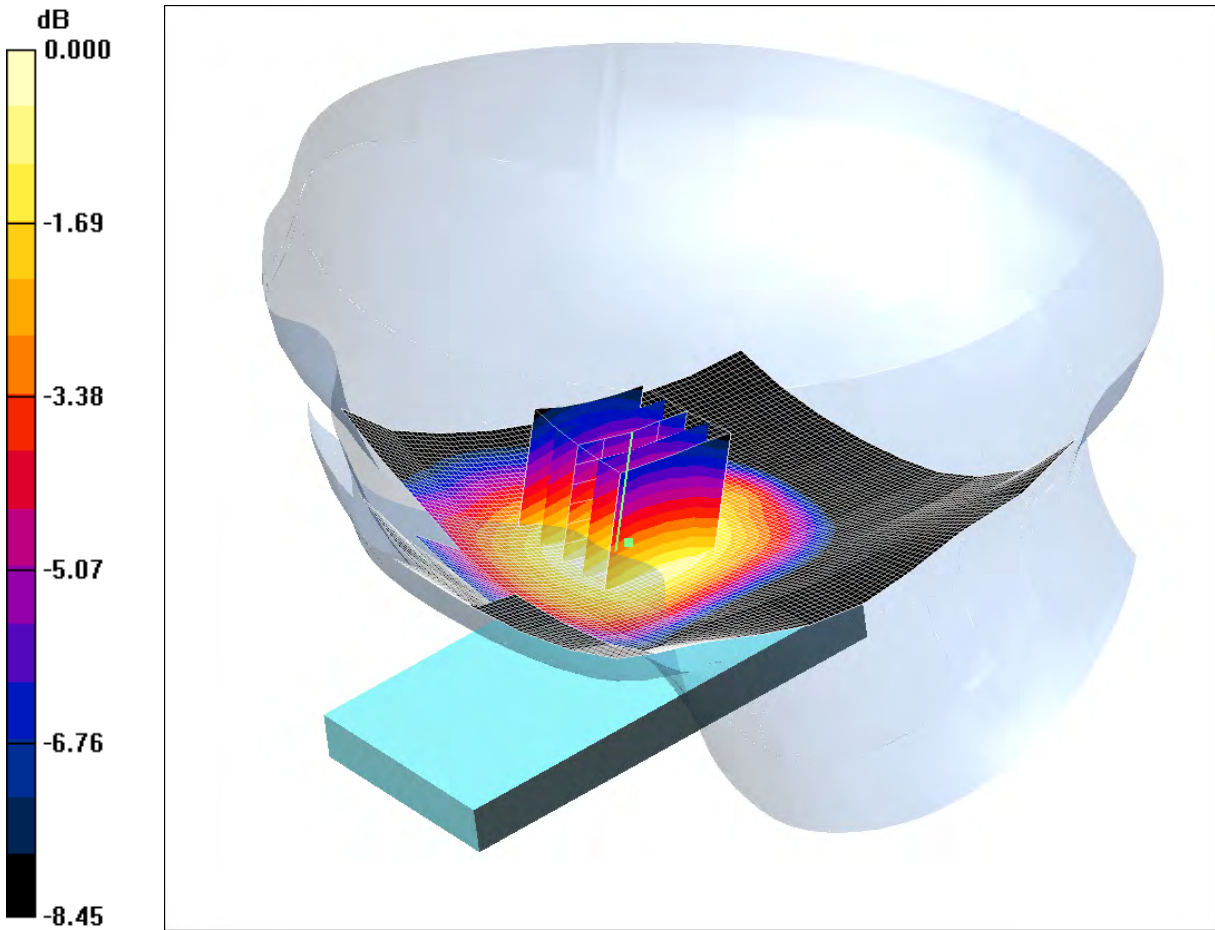
**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.800 mW/g**

Maximum value of SAR (measured) = 1.11 mW/g

SCN/87697/008: Tilt Right GSM CH190

Date: 17/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.443mW/g

Communication System: GSM 850 MHz; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz HSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.9$  mho/m;  $\epsilon_r = 43.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.75, 8.75, 8.75); Calibrated: 22/09/2011

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

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Tilt Right - Middle/Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.459 mW/g

**Tilt Right - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.4 V/m; Power Drift = 0.053 dB

Peak SAR (extrapolated) = 0.531 W/kg

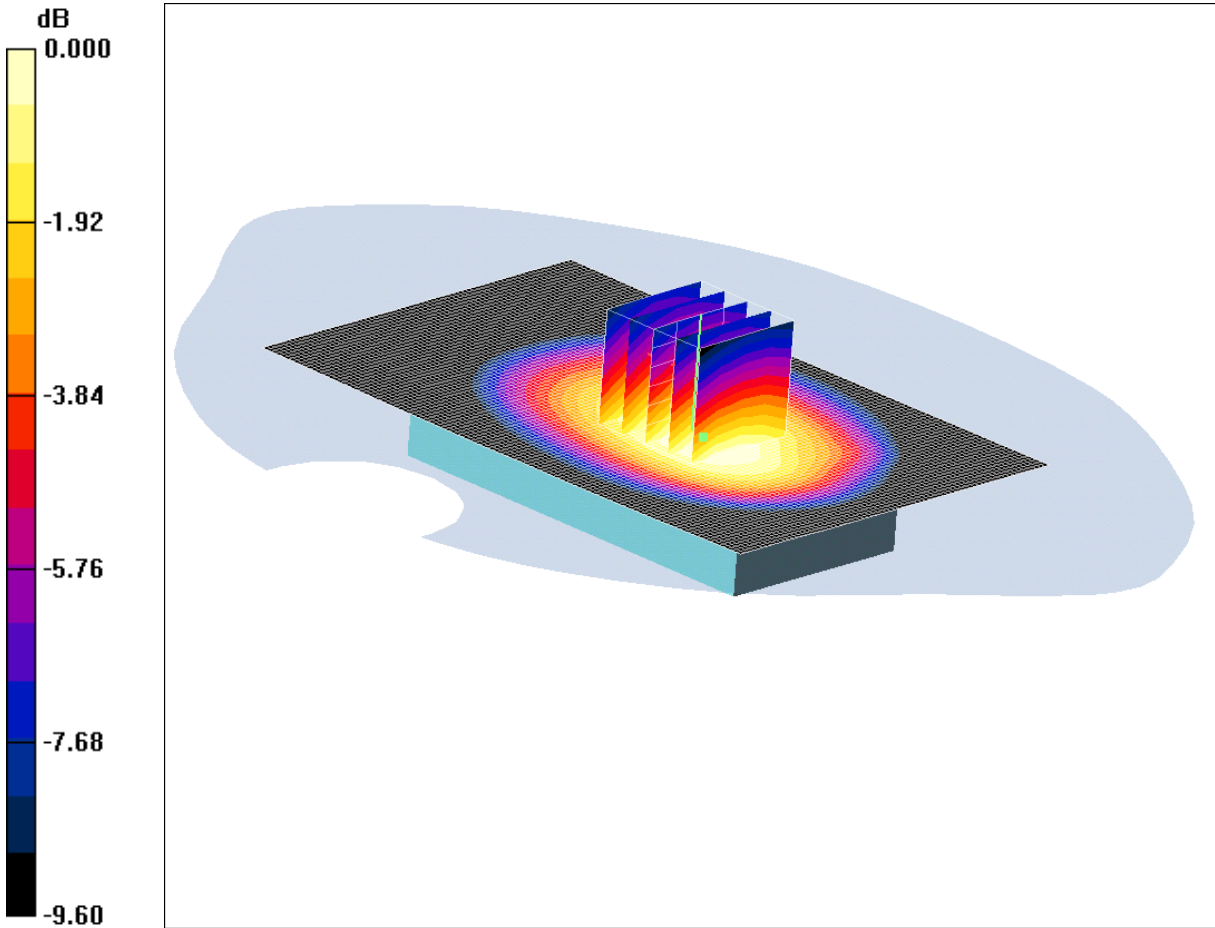
**SAR(1 g) = 0.424 mW/g; SAR(10 g) = 0.317 mW/g**

Maximum value of SAR (measured) = 0.443 mW/g

SCN/87697/009: Front of EUT Facing Phantom GPRS CH190

Date: 18/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.757mW/g

Communication System: GPRS 850 MHz 3TX; Frequency: 836.6 MHz; Duty Cycle: 1:2.67

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 1$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.92, 8.92, 8.92); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Front of EUT Facing Phantom - Middle 2/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.770 mW/g

**Front of EUT Facing Phantom - Middle 2/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.4 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.885 W/kg

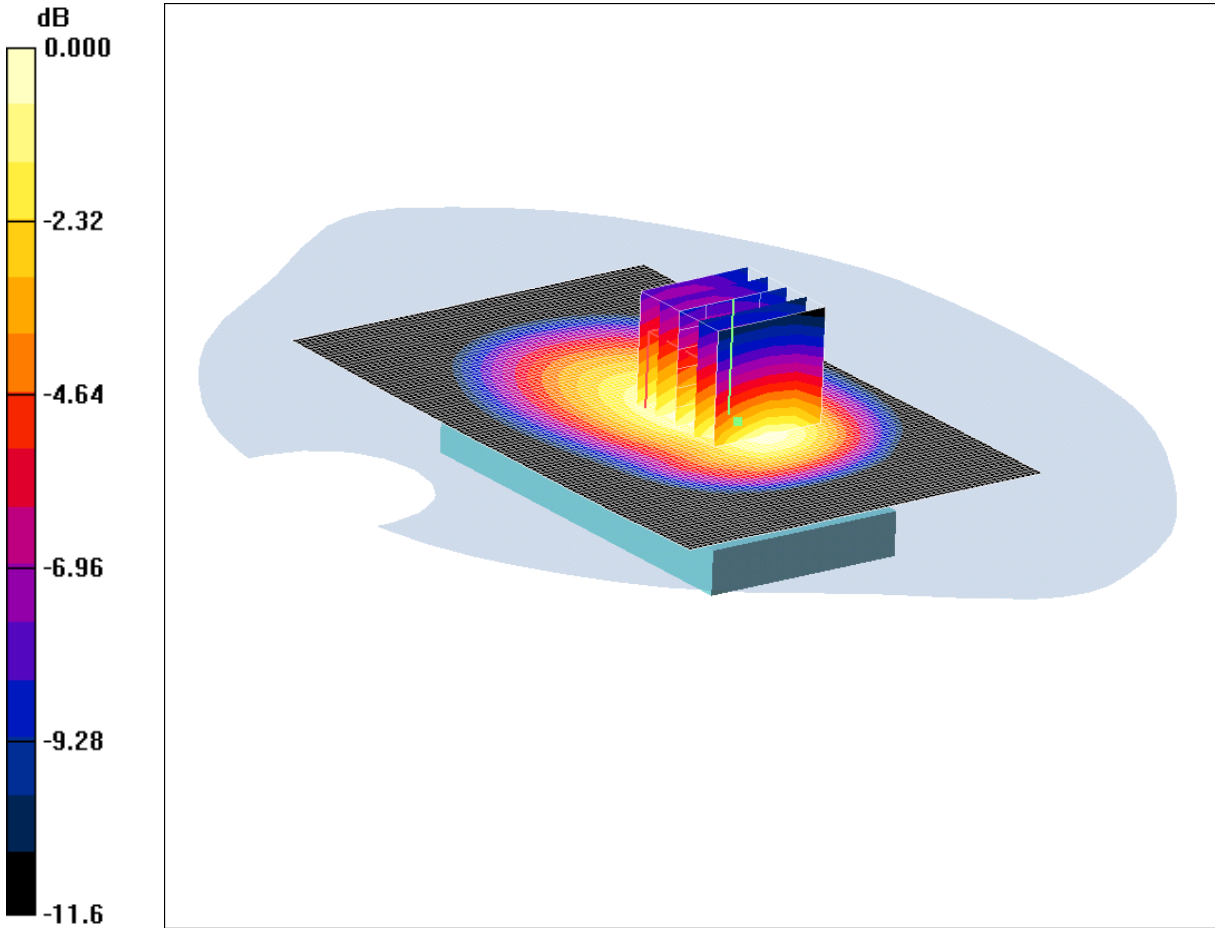
**SAR(1 g) = 0.666 mW/g; SAR(10 g) = 0.488 mW/g**

Maximum value of SAR (measured) = 0.757 mW/g

SCN/87697/010: Rear of EUT Facing Phantom GPRS CH190

Date: 18/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.900mW/g

Communication System: GPRS 850 MHz 3TX; Frequency: 836.6 MHz; Duty Cycle: 1:2.67  
 Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz;  $\sigma = 1$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.92, 8.92, 8.92); Calibrated: 22/09/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Rear of EUT Facing Phantom - Middle/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.895 mW/g

**Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.1 V/m; Power Drift = 0.045 dB

Peak SAR (extrapolated) = 1.11 W/kg

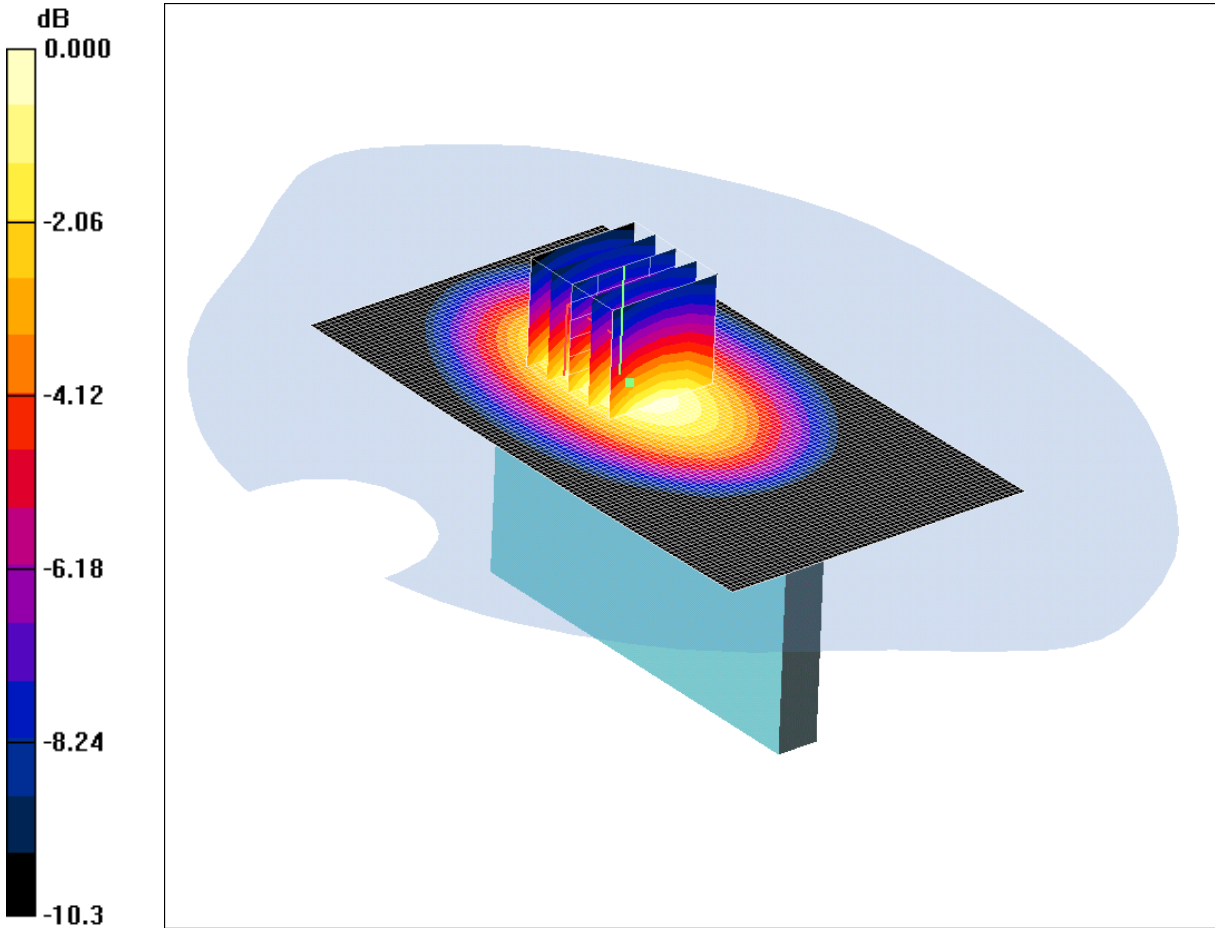
**SAR(1 g) = 0.759 mW/g; SAR(10 g) = 0.528 mW/g**

Maximum value of SAR (measured) = 0.900 mW/g

SCN/87697/011: Left Hand Side of EUT Facing Phantom GPRS CH190

Date: 18/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.494mW/g

Communication System: GPRS 850 MHz 3TX; Frequency: 836.6 MHz; Duty Cycle: 1:2.67

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 1$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.92, 8.92, 8.92); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Left Hand Side of EUT Facing Phantom - Middle/Area Scan (61x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.495 mW/g

**Left Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.0 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 0.599 W/kg

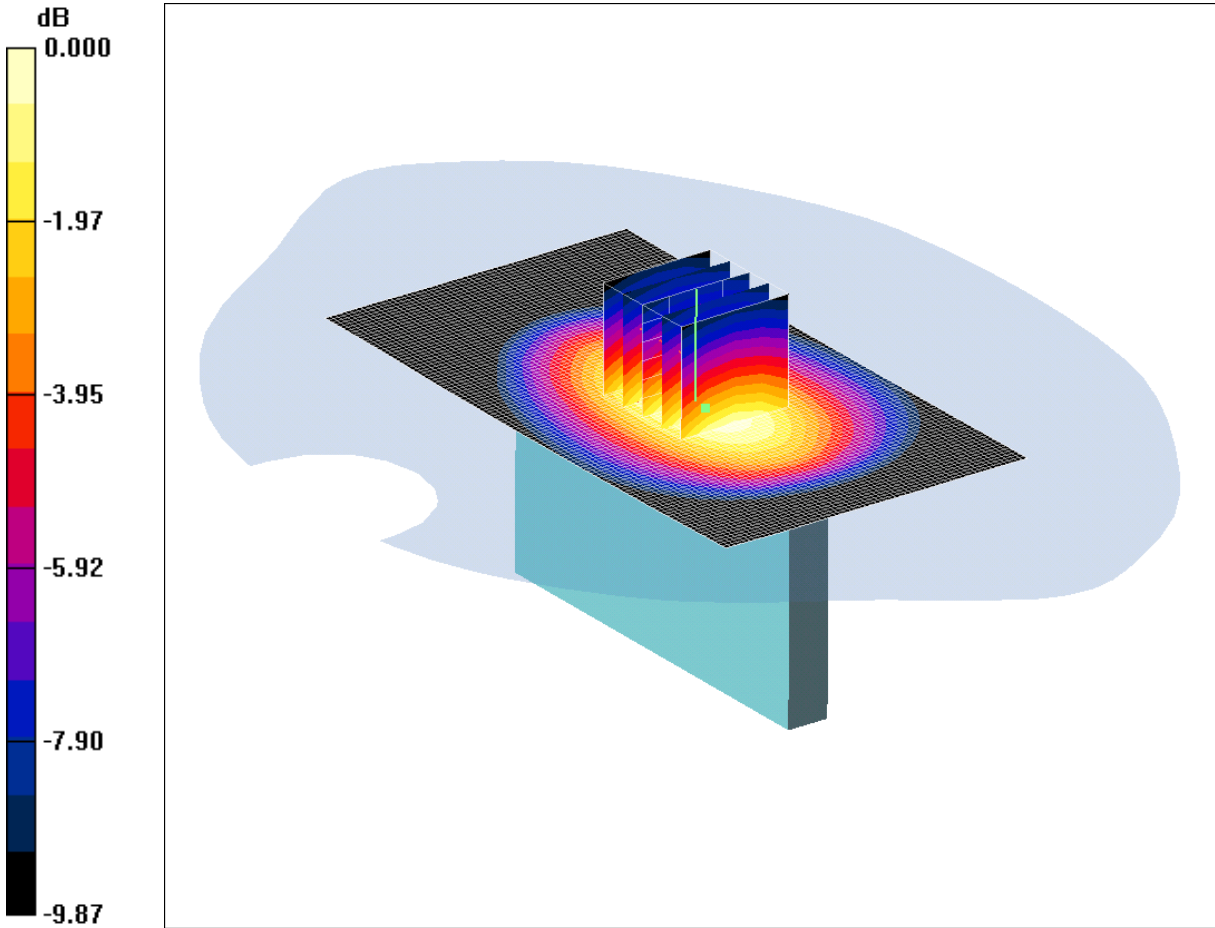
**SAR(1 g) = 0.414 mW/g; SAR(10 g) = 0.283 mW/g**

Maximum value of SAR (measured) = 0.494 mW/g

SCN/87697/012: Right Hand Side of EUT Facing Phantom GPRS CH190

Date: 18/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.440mW/g

Communication System: GPRS 850 MHz 3TX; Frequency: 836.6 MHz; Duty Cycle: 1:2.67  
 Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.6 MHz;  $\sigma = 1$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.92, 8.92, 8.92); Calibrated: 22/09/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Right Hand Side of EUT Facing Phantom - Middle/Area Scan (61x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.435 mW/g

**Right Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.4 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 0.534 W/kg

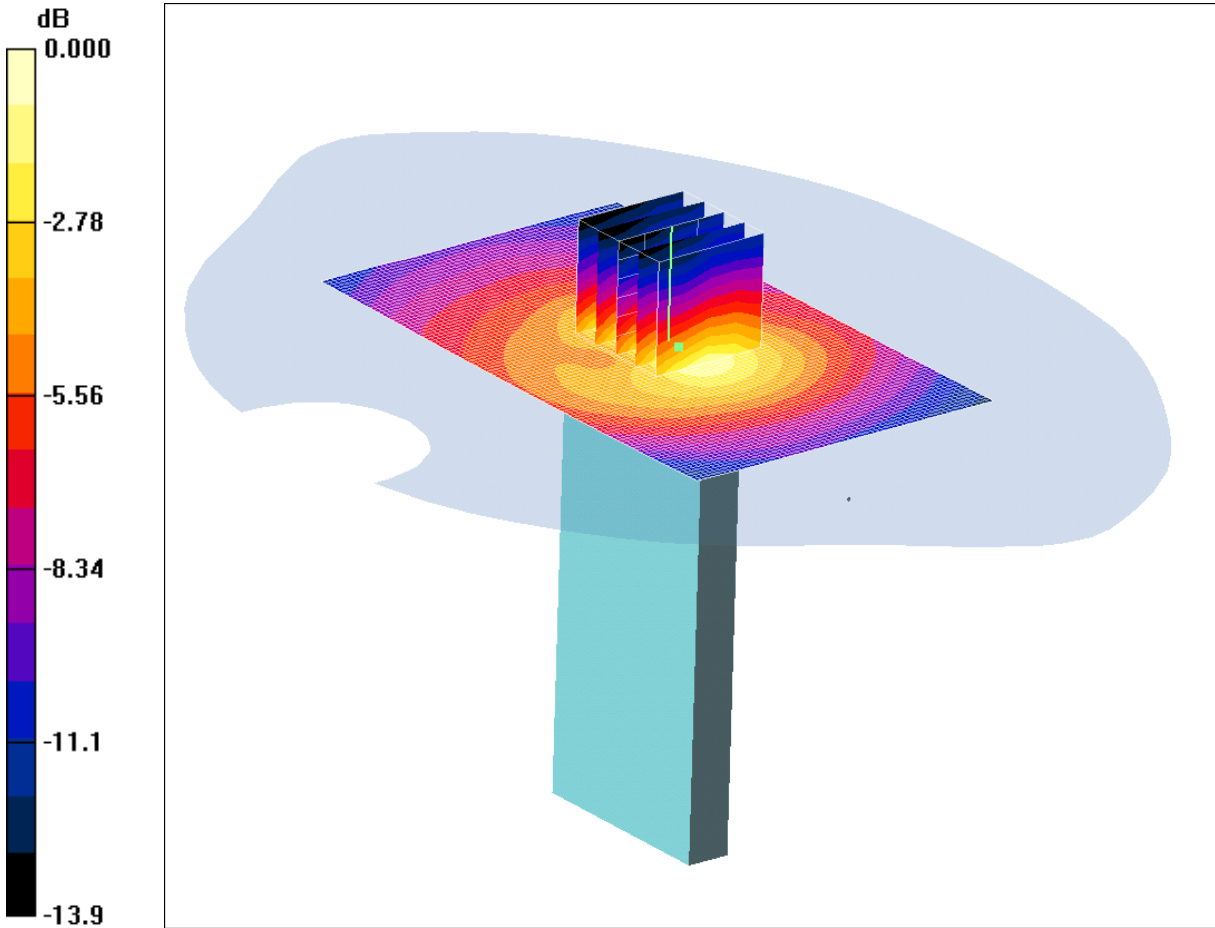
**SAR(1 g) = 0.369 mW/g; SAR(10 g) = 0.254 mW/g**

Maximum value of SAR (measured) = 0.440 mW/g

SCN/87697/013: Bottom of EUT Facing Phantom GPRS CH190

Date: 18/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.106mW/g

Communication System: GPRS 850 MHz 3TX; Frequency: 836.6 MHz; Duty Cycle: 1:2.67

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 1$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.92, 8.92, 8.92); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Base of EUT Facing Phantom - Middle/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.096 mW/g

**Base of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.60 V/m; Power Drift = 0.096 dB

Peak SAR (extrapolated) = 0.149 W/kg

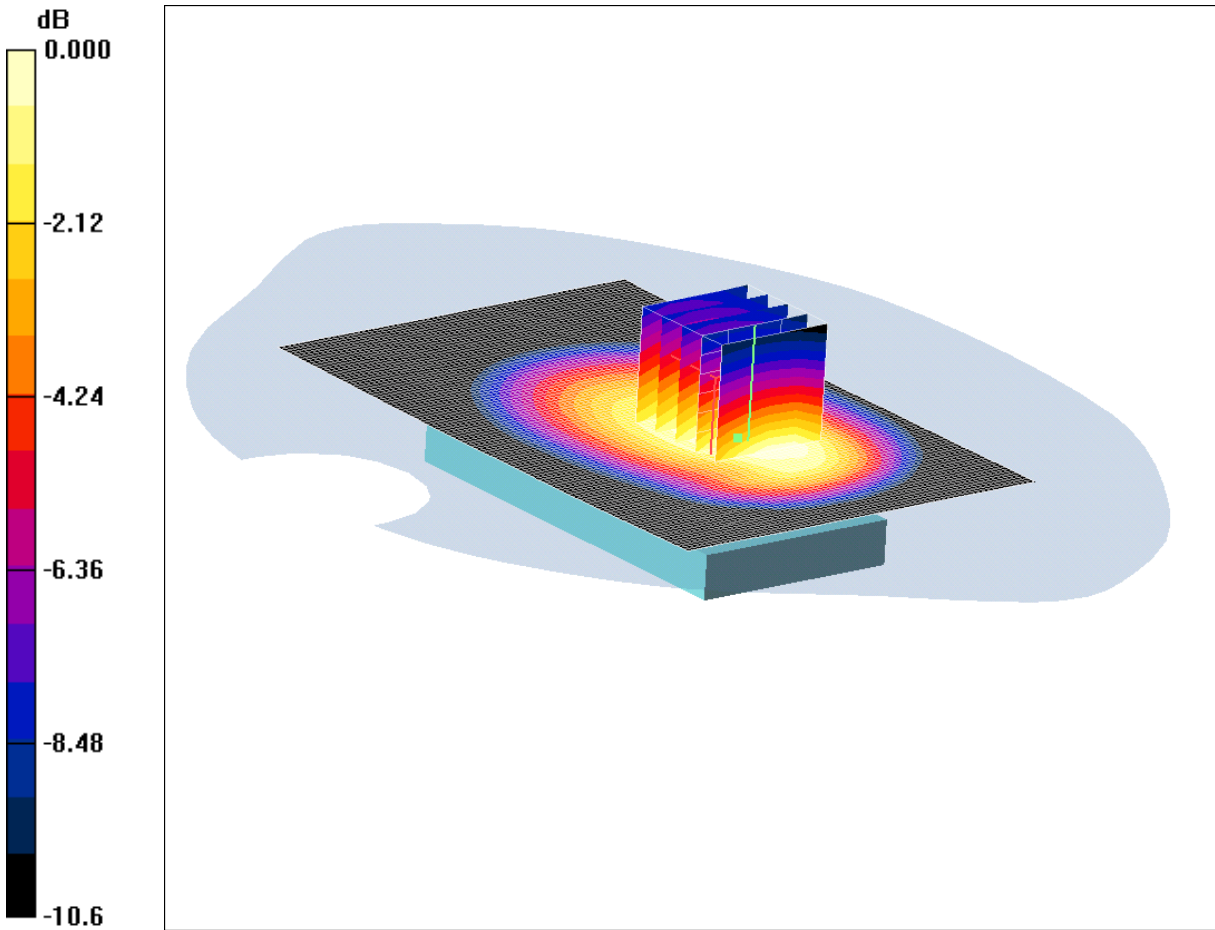
**SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.046 mW/g**

Maximum value of SAR (measured) = 0.106 mW/g

SCN/87697/014: Rear of EUT Facing Phantom EDGE CH190

Date: 18/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.851mW/g

Communication System: EDGE 850 MHz 3TX; Frequency: 836.6 MHz; Duty Cycle: 1:2.67

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 1$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.92, 8.92, 8.92); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Rear of EUT Facing Phantom - Middle/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.846 mW/g

**Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.0 V/m; Power Drift = 0.036 dB

Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.728 mW/g; SAR(10 g) = 0.512 mW/g**

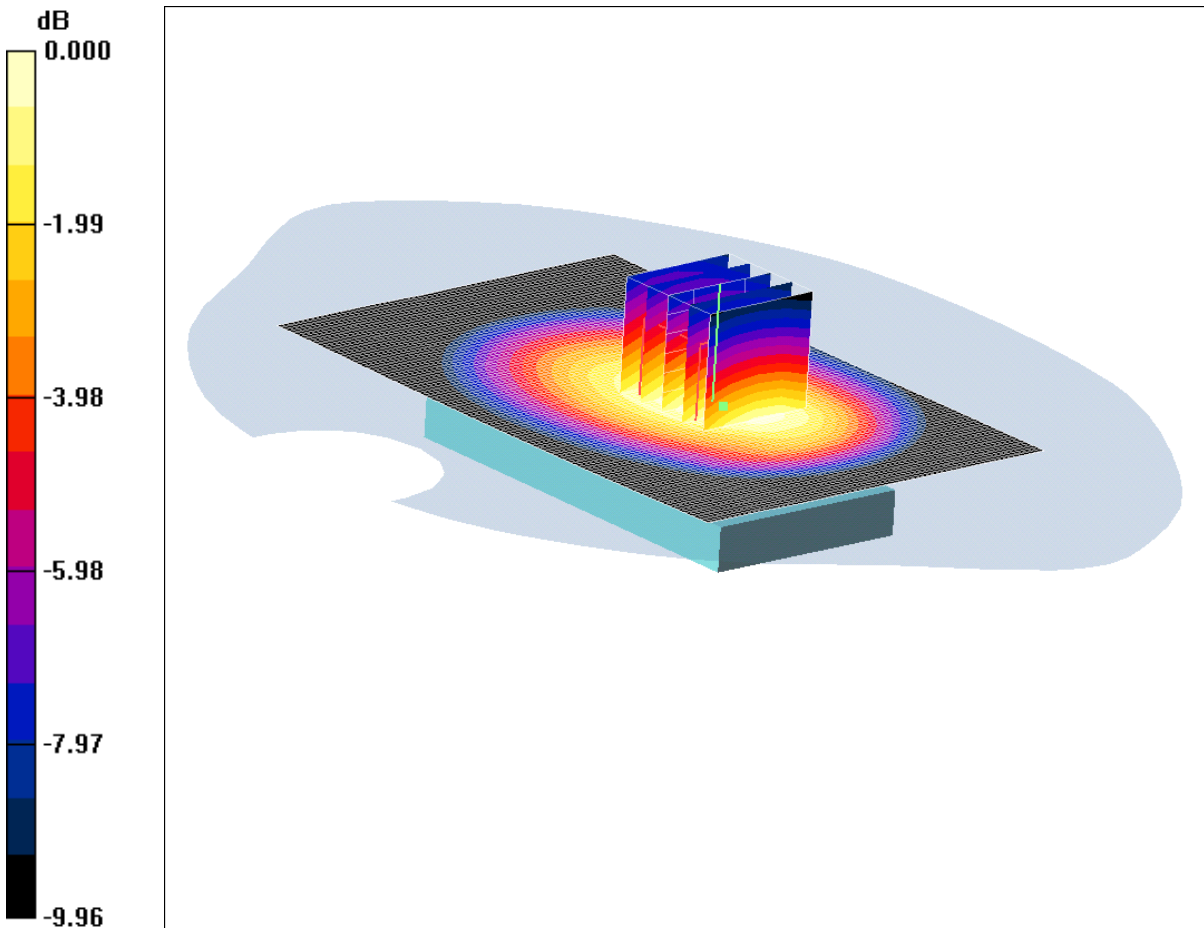
Maximum value of SAR (measured) = 0.851 mW/g



SCN/87697/015: Rear of EUT Facing Phantom GSM CH190

Date: 18/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.983mW/g

Communication System: GSM 850 MHz; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 1$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.92, 8.92, 8.92); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Rear of EUT Facing Phantom - Middle/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.985 mW/g

**Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

dy=8mm, dz=5mm

Reference Value = 30.0 V/m; Power Drift = 0.012 dB

Peak SAR (extrapolated) = 1.15 W/kg

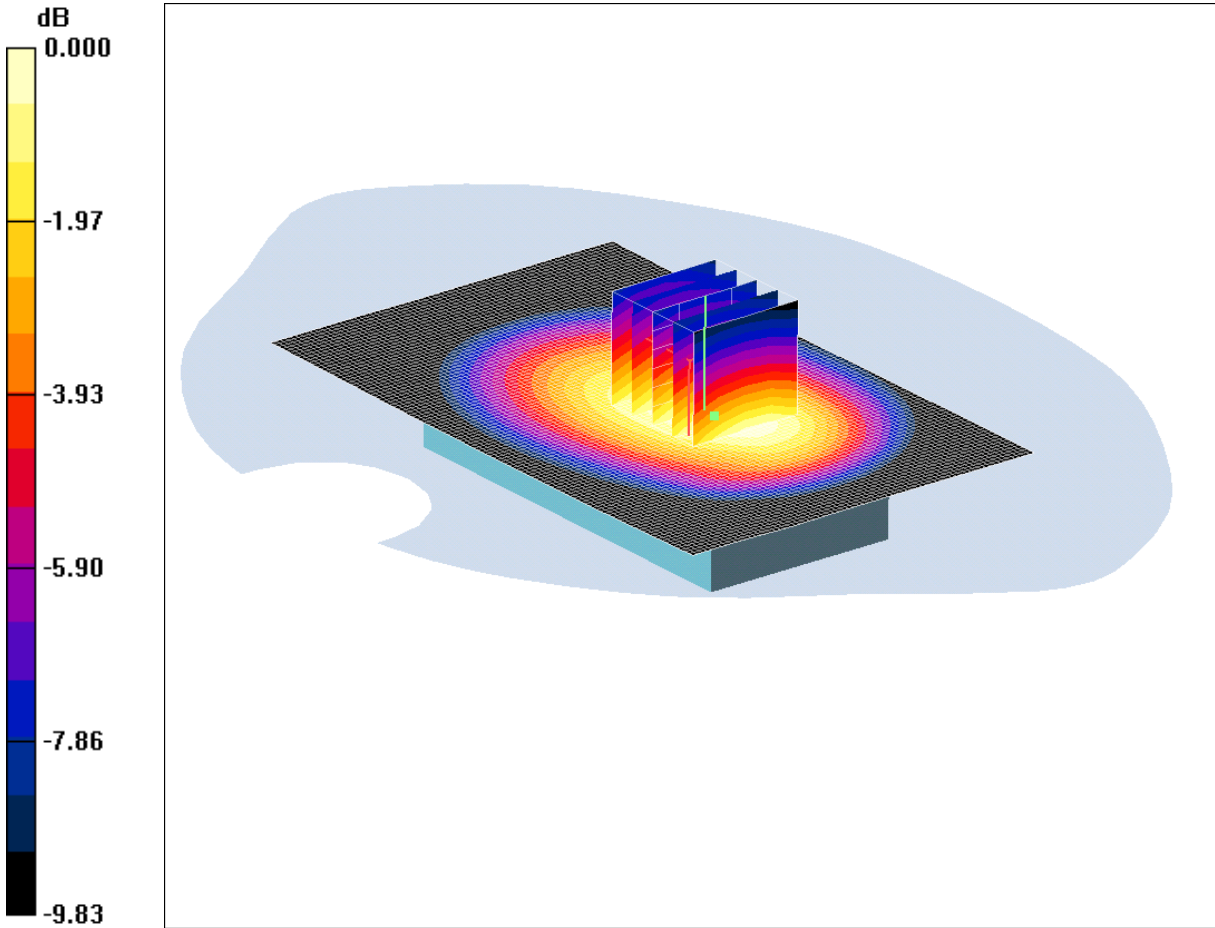
**SAR(1 g) = 0.847 mW/g; SAR(10 g) = 0.609 mW/g**

Maximum value of SAR (measured) = 0.983 mW/g

SCN/87697/016: Rear of EUT Facing Phantom GSM CH128

Date: 18/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.877mW/g

Communication System: GSM 850 MHz; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.995$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.92, 8.92, 8.92); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Rear of EUT Facing Phantom - Low/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.882 mW/g

**Rear of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

dy=8mm, dz=5mm

Reference Value = 28.1 V/m; Power Drift = 0.024 dB

Peak SAR (extrapolated) = 1.03 W/kg

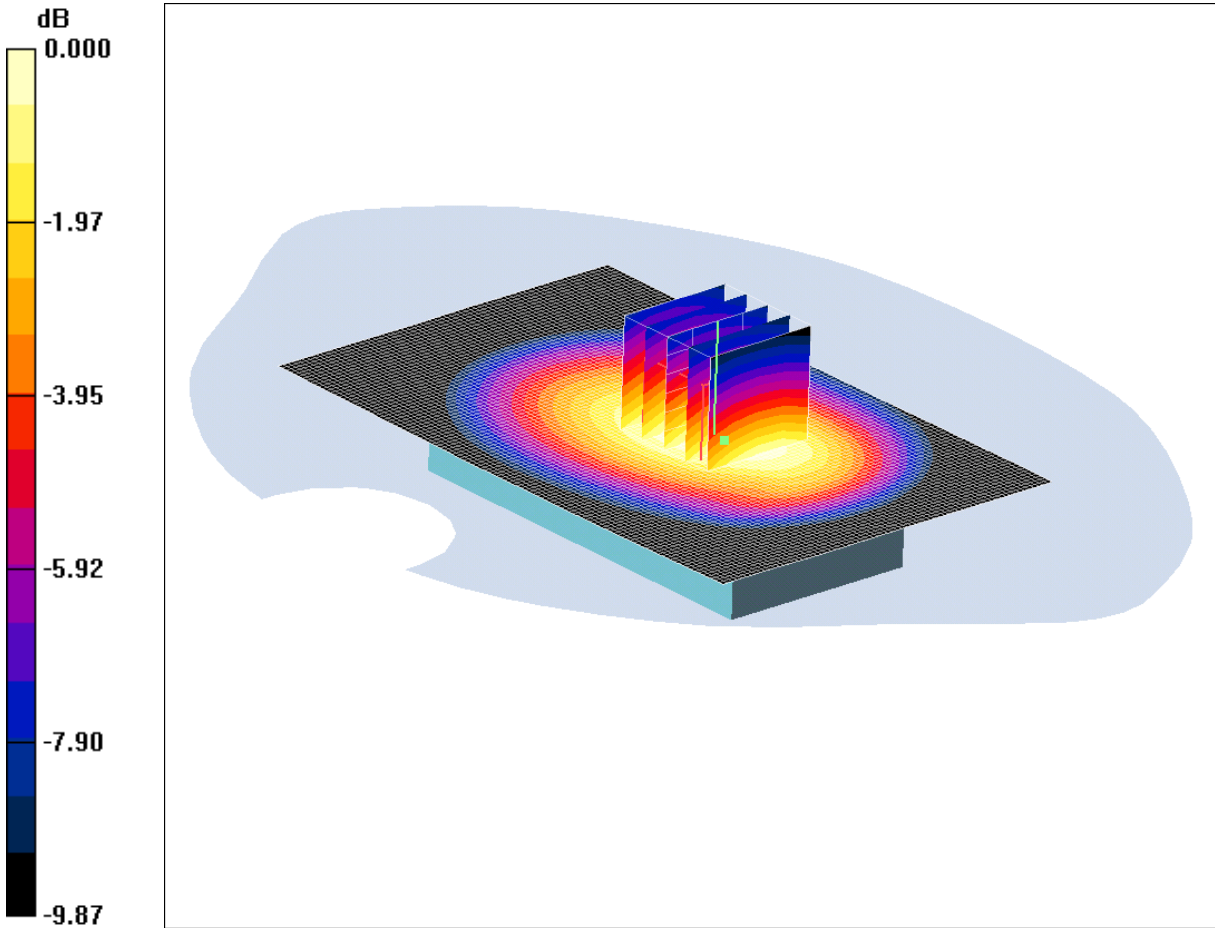
**SAR(1 g) = 0.755 mW/g; SAR(10 g) = 0.541 mW/g**

Maximum value of SAR (measured) = 0.877 mW/g

SCN/87697/017: Rear of EUT Facing Phantom GSM CH251

Date: 18/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 1.09mW/g

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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 848.8 \text{ MHz}$ ;  $\sigma = 1.01 \text{ mho/m}$ ;  $\epsilon_r = 52.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.92, 8.92, 8.92); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Rear of EUT Facing Phantom - High/Area Scan (71x111x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.07 mW/g

**Rear of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,

$dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 31.6 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 1.27 W/kg

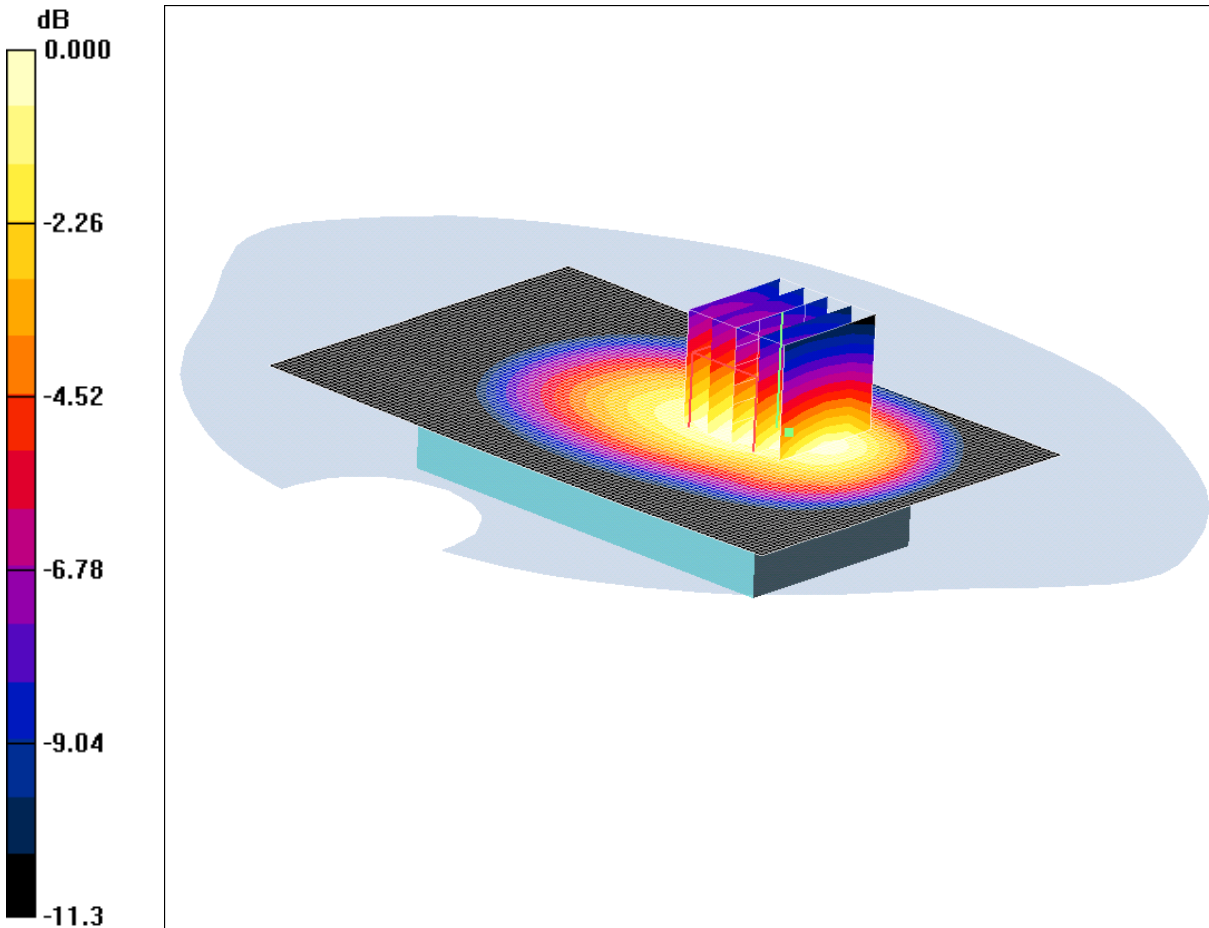
**SAR(1 g) = 0.932 mW/g; SAR(10 g) = 0.671 mW/g**

Maximum value of SAR (measured) = 1.09 mW/g

SCN/87697/018: Rear of EUT Facing Phantom GPRS CH128

Date: 18/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.744mW/g

Communication System: GPRS 850 MHz 3TX; Frequency: 824.2 MHz; Duty Cycle: 1:2.67

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.995$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.92, 8.92, 8.92); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Rear of EUT Facing Phantom - Low/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.743 mW/g

**Rear of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

dy=8mm, dz=5mm

Reference Value = 23.6 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.925 W/kg

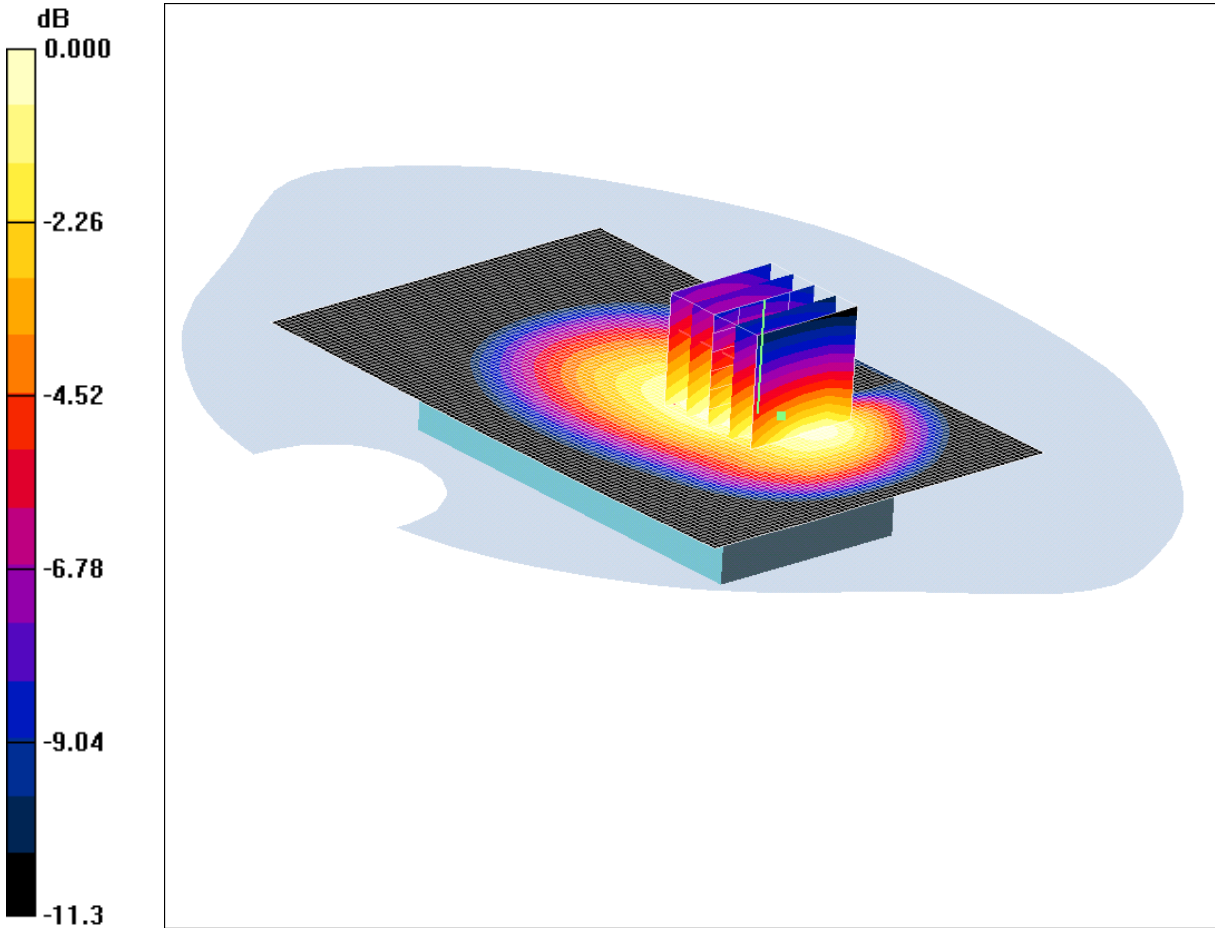
**SAR(1 g) = 0.640 mW/g; SAR(10 g) = 0.449 mW/g**

Maximum value of SAR (measured) = 0.744 mW/g

SCN/87697/019: Rear of EUT Facing Phantom GPRS CH251

Date: 18/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.913mW/g

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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 1.01$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.92, 8.92, 8.92); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Rear of EUT Facing Phantom - High/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.995 mW/g

**Rear of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.2 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 1.13 W/kg

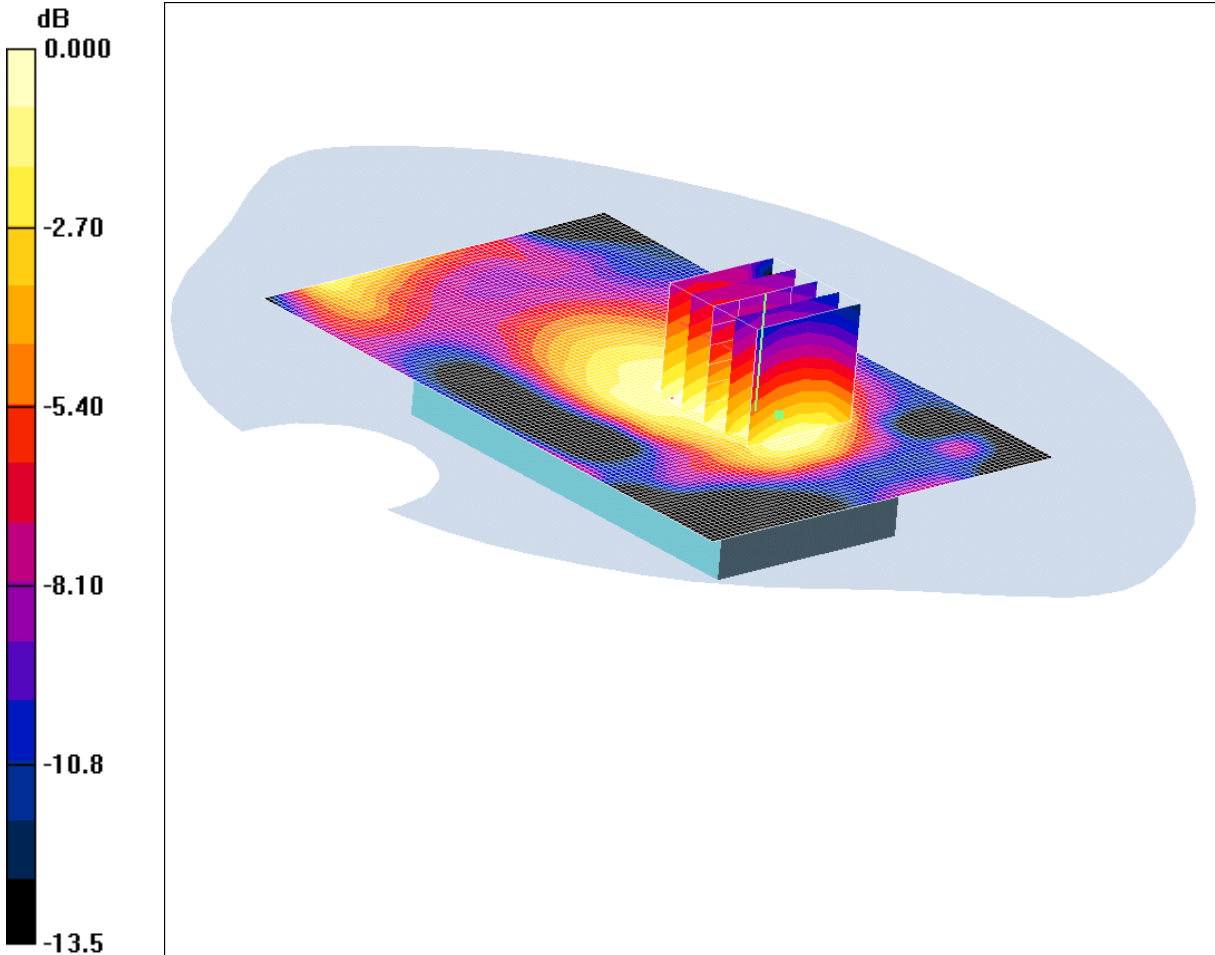
**SAR(1 g) = 0.778 mW/g; SAR(10 g) = 0.549 mW/g**

Maximum value of SAR (measured) = 0.913 mW/g

**SCN/87697/020: Rear of EUT Facing Phantom with PHF GPRS CH251**

Date: 20/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.722mW/g

Communication System: GPRS 850 MHz 3TX; Frequency: 848.8 MHz; Duty Cycle: 1:2.67  
 Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 1.01$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.92, 8.92, 8.92); Calibrated: 22/09/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Rear of EUT Facing Phantom with PHF- High 2/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.756 mW/g

**Rear of EUT Facing Phantom with PHF- High 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.8 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 0.920 W/kg

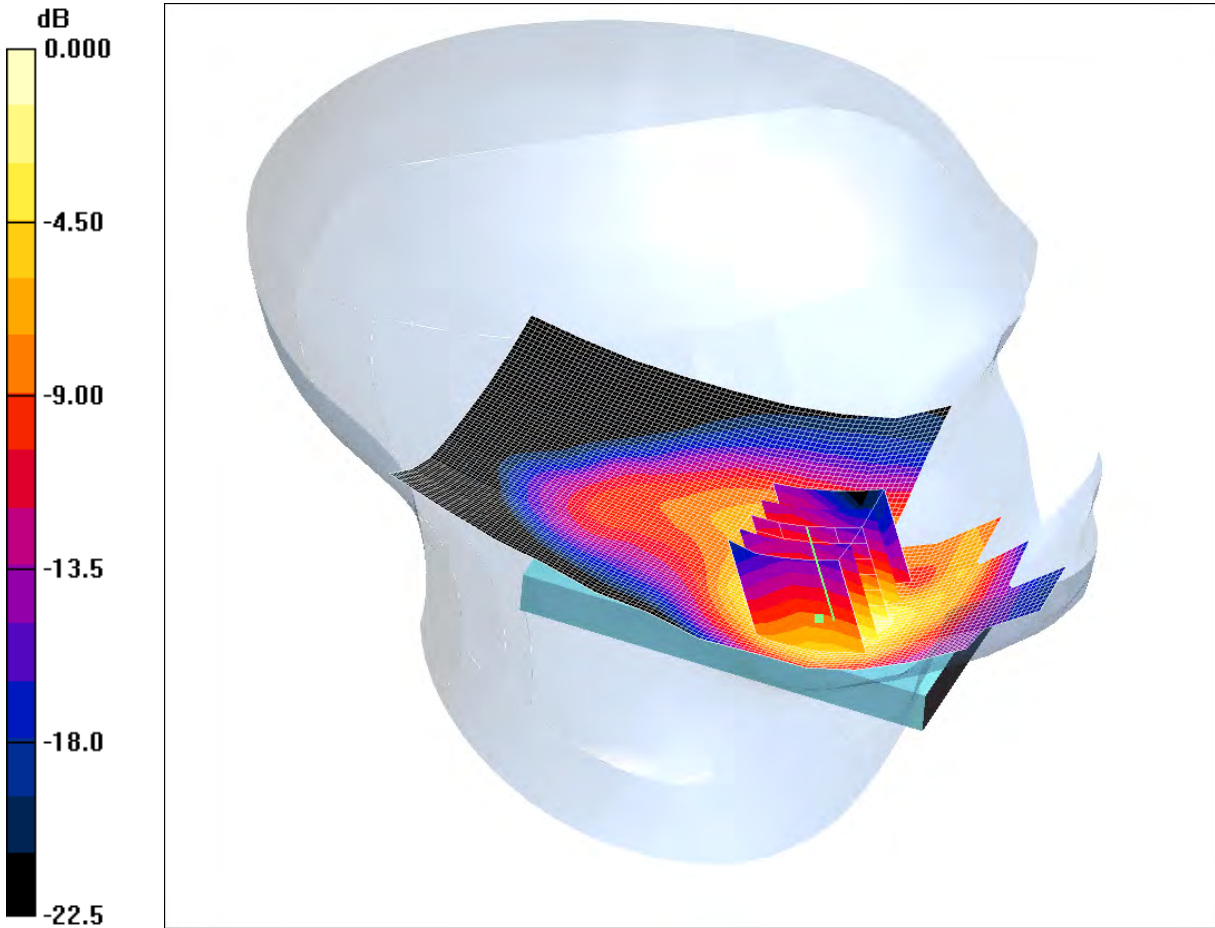
**SAR(1 g) = 0.606 mW/g; SAR(10 g) = 0.416 mW/g**

Maximum value of SAR (measured) = 0.722 mW/g

SCN/87697/021: Touch Left PCS CH661

Date: 18/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 1.18mW/g

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz HSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 38.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.78, 7.78, 7.78); Calibrated: 22/09/2011

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

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Touch Left - Middle 2/Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.23 mW/g

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

Reference Value = 7.61 V/m; Power Drift = 0.164 dB

Peak SAR (extrapolated) = 1.77 W/kg

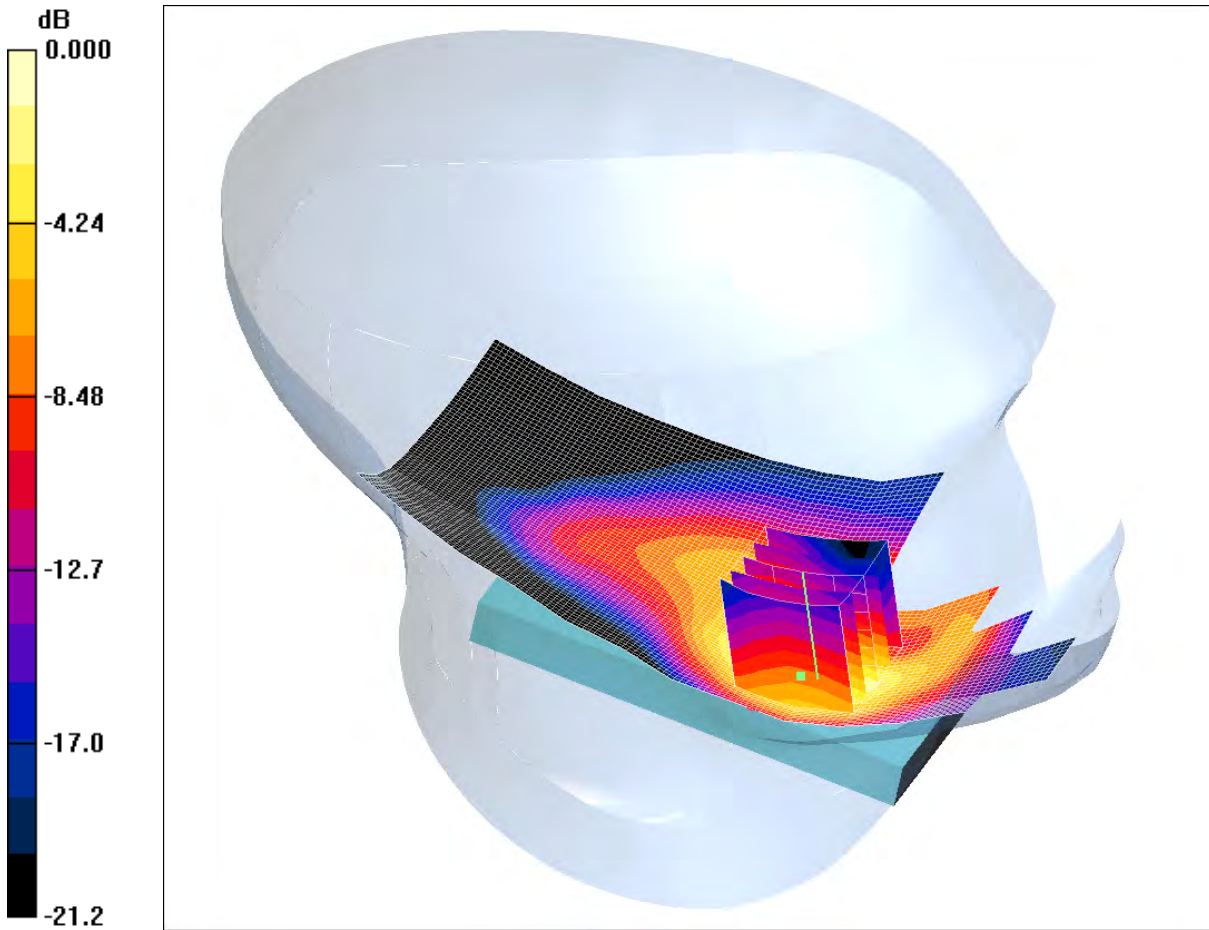
**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.582 mW/g**

Maximum value of SAR (measured) = 1.18 mW/g

SCN/87697/022: Touch Left PCS CH512

Date: 18/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 1.06mW/g

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz HSL Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.78, 7.78, 7.78); Calibrated: 22/09/2011

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

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Touch Left - Low 2/Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.10 mW/g

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

Reference Value = 6.63 V/m; Power Drift = 0.122 dB

Peak SAR (extrapolated) = 1.60 W/kg

**SAR(1 g) = 0.963 mW/g; SAR(10 g) = 0.527 mW/g**

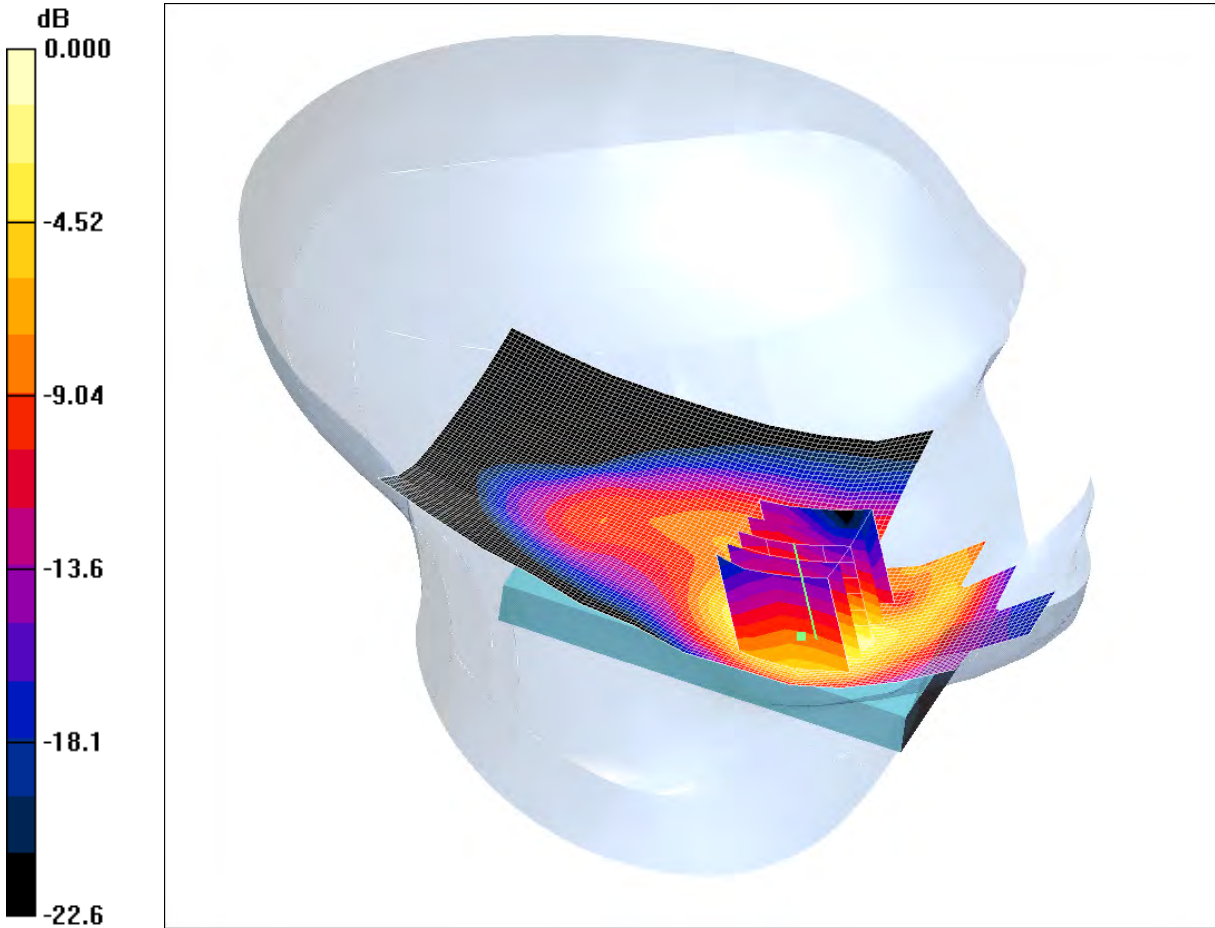
Maximum value of SAR (measured) = 1.06 mW/g



SCN/87697/023: Touch Left PCS CH810

Date: 18/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 1.20mW/g

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz HSL Medium parameters used (interpolated):  $f = 1909.8$  MHz;  $\sigma = 1.46$  mho/m;  $\epsilon_r = 38.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.78, 7.78, 7.78); Calibrated: 22/09/2011

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

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Touch Left - High 2/Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.24 mW/g

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

Reference Value = 7.87 V/m; Power Drift = 0.053 dB

Peak SAR (extrapolated) = 1.82 W/kg

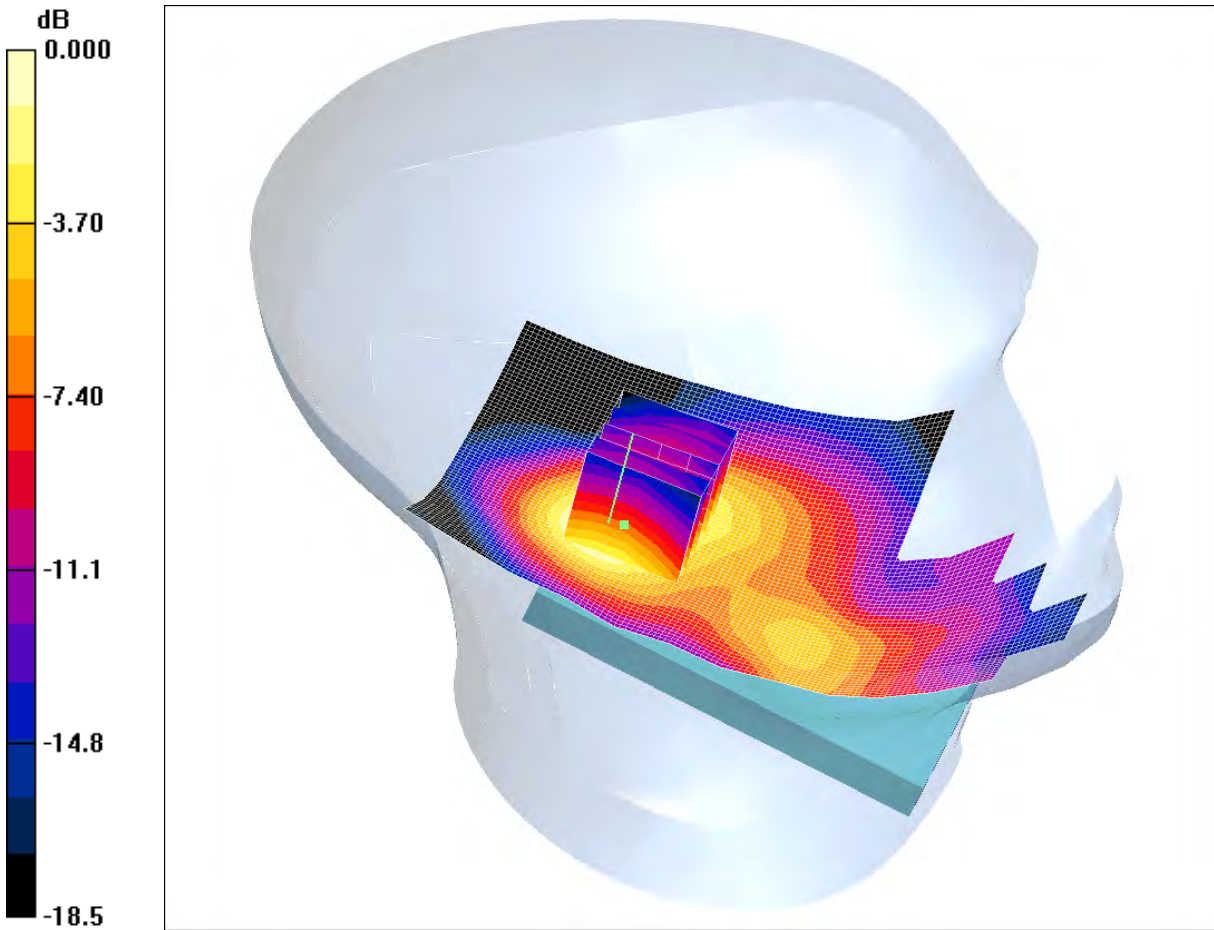
**SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.592 mW/g**

Maximum value of SAR (measured) = 1.20 mW/g

SCN/87697/024: Tilt Left PCS CH661

Date: 18/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.289mW/g

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz HSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 38.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.78, 7.78, 7.78); Calibrated: 22/09/2011

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

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Tilt Left - Middle/Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.311 mW/g

**Tilt Left - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.0 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 0.441 W/kg

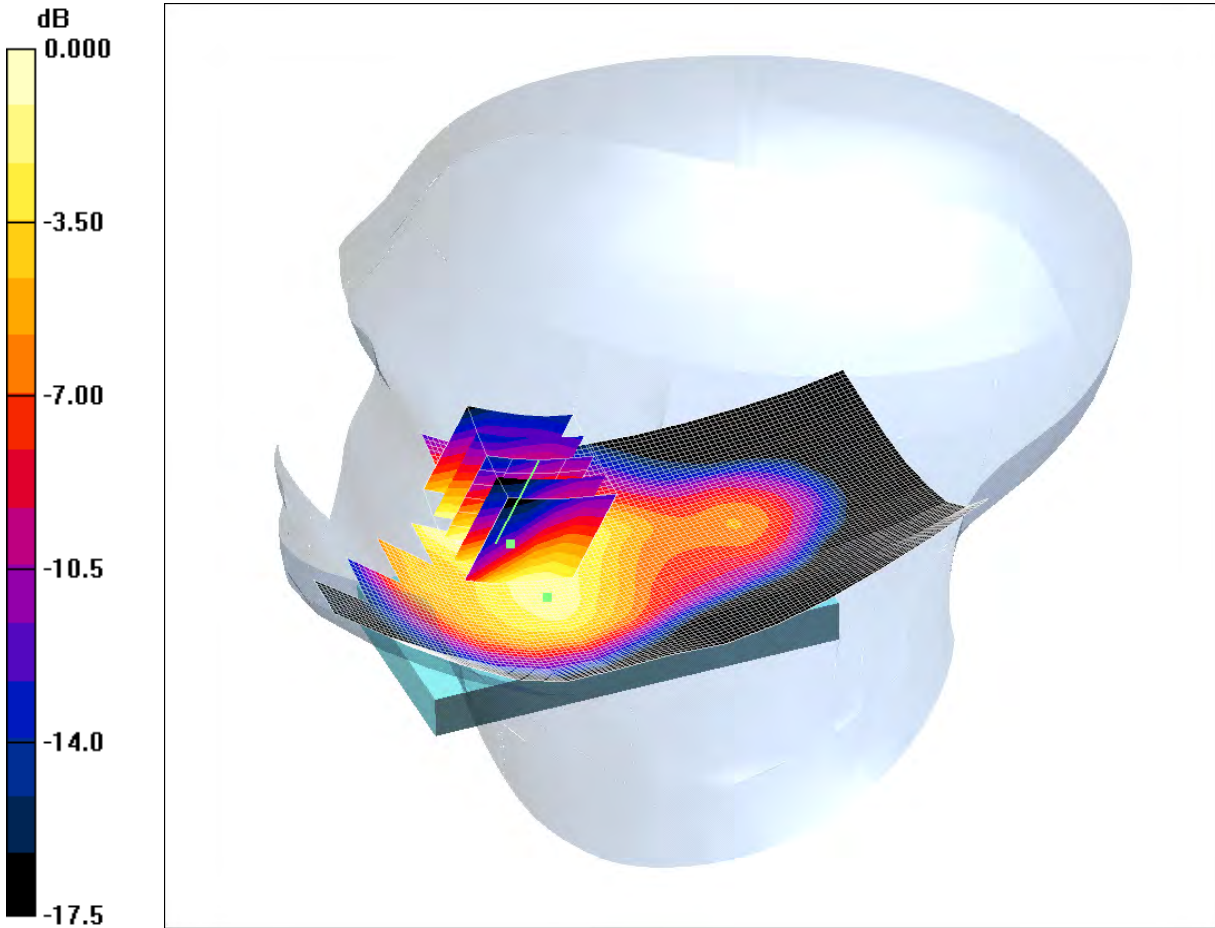
**SAR(1 g) = 0.268 mW/g; SAR(10 g) = 0.156 mW/g**

Maximum value of SAR (measured) = 0.289 mW/g

SCN/87697/025: Touch Right PCS CH661

Date: 19/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.793mW/g

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz HSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 38.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.78, 7.78, 7.78); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Touch Right- Middle/Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.813 mW/g

**Touch Right- Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.5 V/m; Power Drift = 0.057 dB

Peak SAR (extrapolated) = 0.993 W/kg

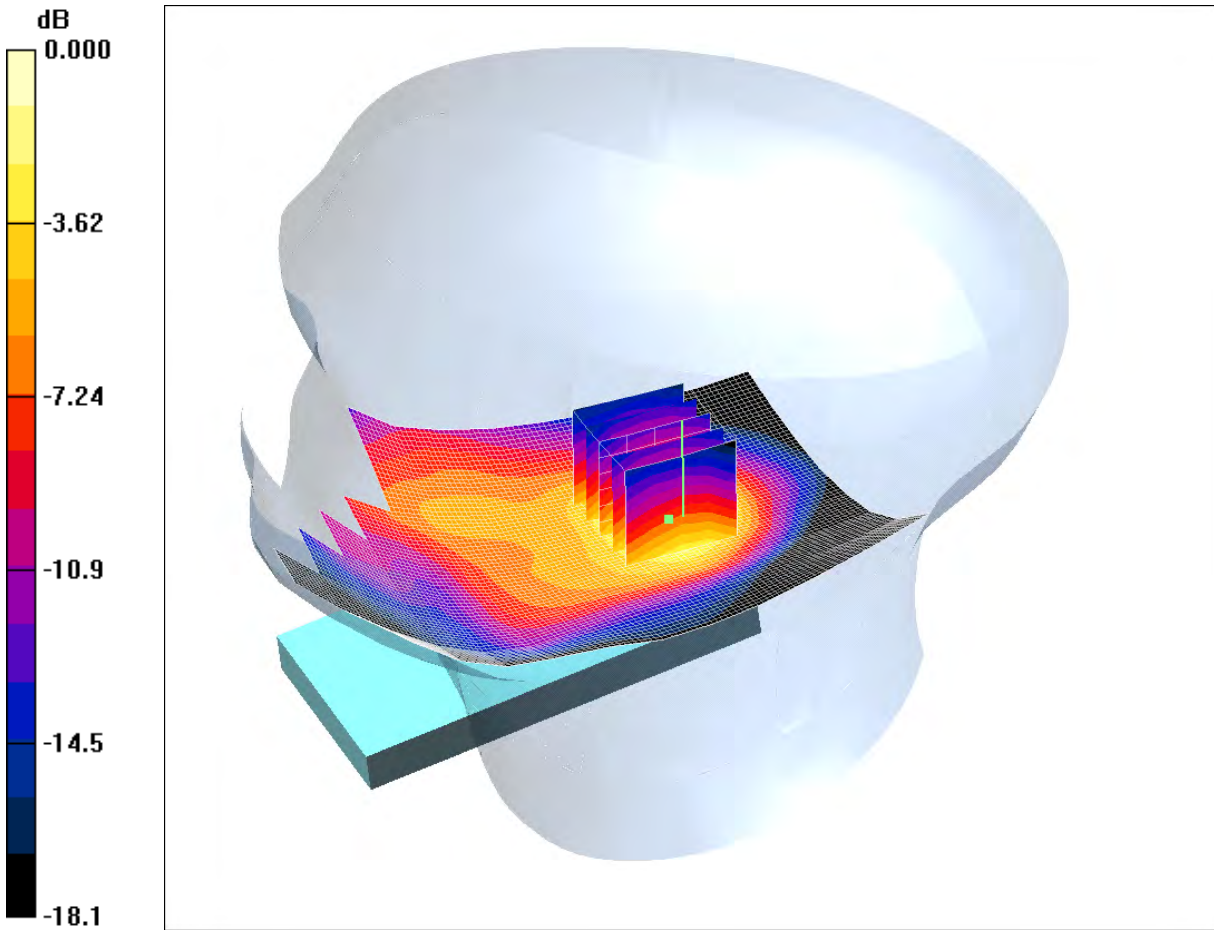
**SAR(1 g) = 0.641 mW/g; SAR(10 g) = 0.384 mW/g**

Maximum value of SAR (measured) = 0.793 mW/g

SCN/87697/026: Tilt Right PCS CH661

Date: 19/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.353mW/g

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz HSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 38.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.78, 7.78, 7.78); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Tilt Right- Middle/Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.372 mW/g

**Tilt Right- Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.4 V/m; Power Drift = 0.111 dB

Peak SAR (extrapolated) = 0.462 W/kg

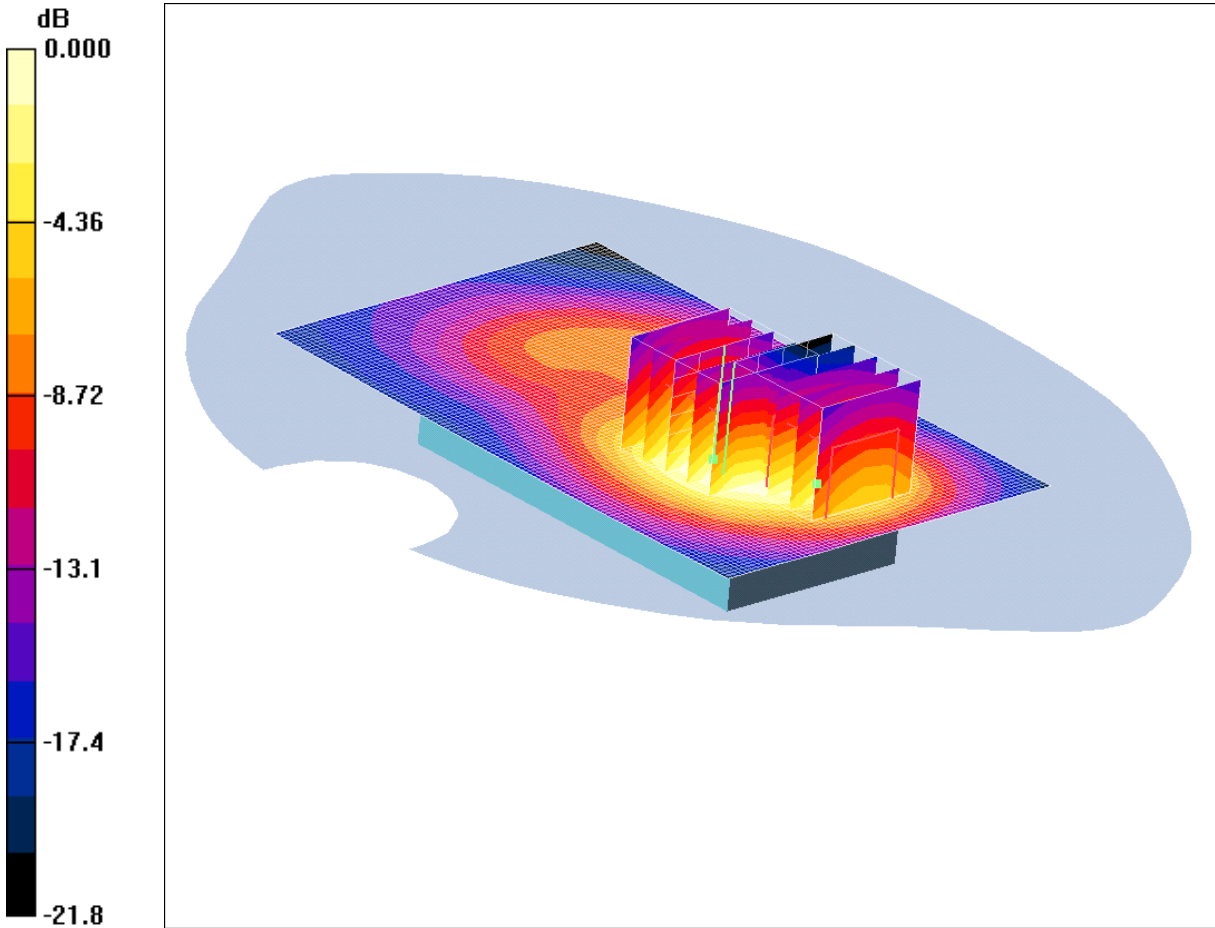
**SAR(1 g) = 0.280 mW/g; SAR(10 g) = 0.159 mW/g**

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

SCN/87697/027: Front of EUT Facing Phantom GPRS CH661

Date: 19/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 1.02mW/g

Communication System: GPRS 1900 3Tx; Frequency: 1880 MHz; Duty Cycle: 1:2.67

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 51.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.31, 7.31, 7.31); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Front of EUT Facing Phantom - Middle/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.04 mW/g

**Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.3 V/m; Power Drift = -0.104 dB; Peak SAR (extrapolated) = 1.47 W/kg

**SAR(1 g) = 0.869 mW/g; SAR(10 g) = 0.489 mW/g**

Maximum value of SAR (measured) = 1.10 mW/g

**Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.3 V/m; Power Drift = -0.104 dB; Peak SAR (extrapolated) = 1.41 W/kg

**SAR(1 g) = 0.710 mW/g; SAR(10 g) = 0.362 mW/g**

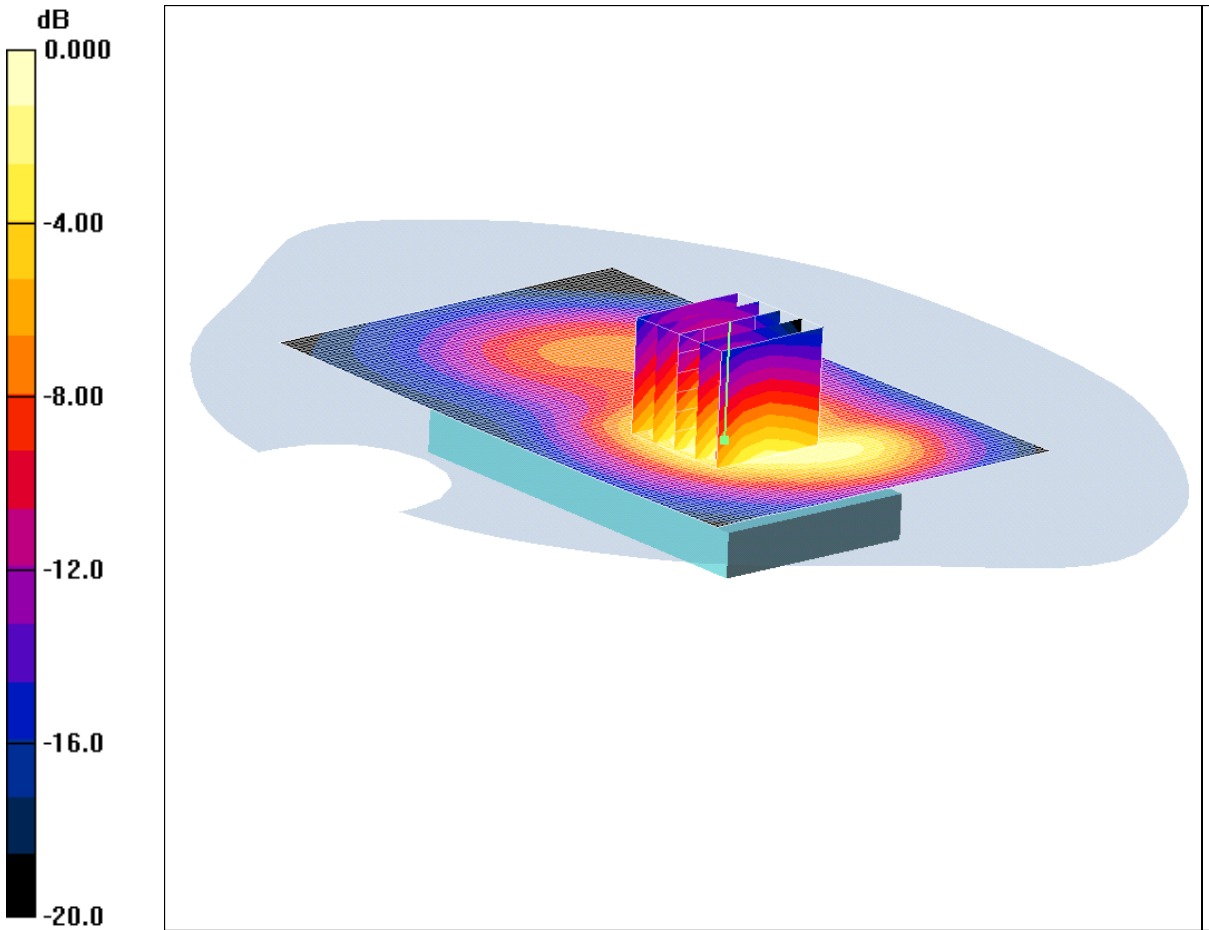
Maximum value of SAR (measured) = 1.02 mW/g

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

SCN/87697/028: Front of EUT Facing Phantom GPRS CH512

Date: 19/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 1.01mW/g

Communication System: GPRS 1900 3Tx; Frequency: 1850.2 MHz; Duty Cycle: 1:2.67

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.52 \text{ mho/m}$ ;  $\epsilon_r = 51.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.31, 7.31, 7.31); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Front of EUT Facing Phantom - Low 2/Area Scan (71x111x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.946 mW/g

**Front of EUT Facing Phantom - Low 2/Zoom Scan (5x5x7) 2 2 2 (5x5x7)/Cube 0:** Measurement grid:

$dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.4 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 1.32 W/kg

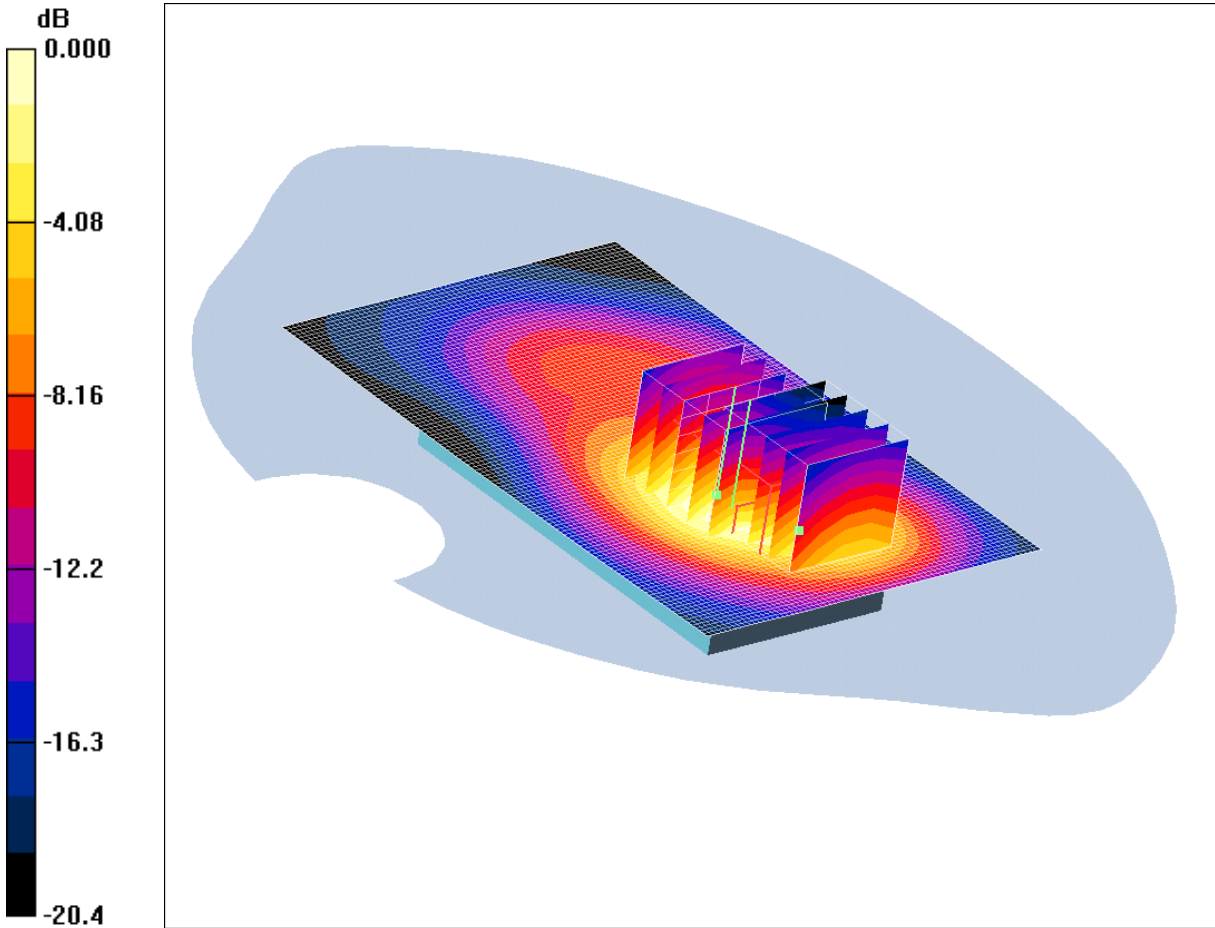
**SAR(1 g) = 0.791 mW/g; SAR(10 g) = 0.443 mW/g**

Maximum value of SAR (measured) = 1.01 mW/g

SCN/87697/029: Front of EUT Facing Phantom GPRS CH810

Date/Time: 19/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 1.21mW/g

Communication System: GPRS 1900 3Tx; Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.6 \text{ mho/m}$ ;  $\epsilon_r = 51.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.31, 7.31, 7.31); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Front of EUT Facing Phantom - High/Area Scan (71x111x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.18 mW/g

**Front of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 13.4 V/m; Power Drift = -0.082 dB; Peak SAR (extrapolated) = 1.68 W/kg

**SAR(1 g) = 0.995 mW/g; SAR(10 g) = 0.558 mW/g**

Maximum value of SAR (measured) = 1.26 mW/g

**Front of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 1:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 13.4 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 1.65 W/kg

**SAR(1 g) = 0.750 mW/g; SAR(10 g) = 0.372 mW/g**

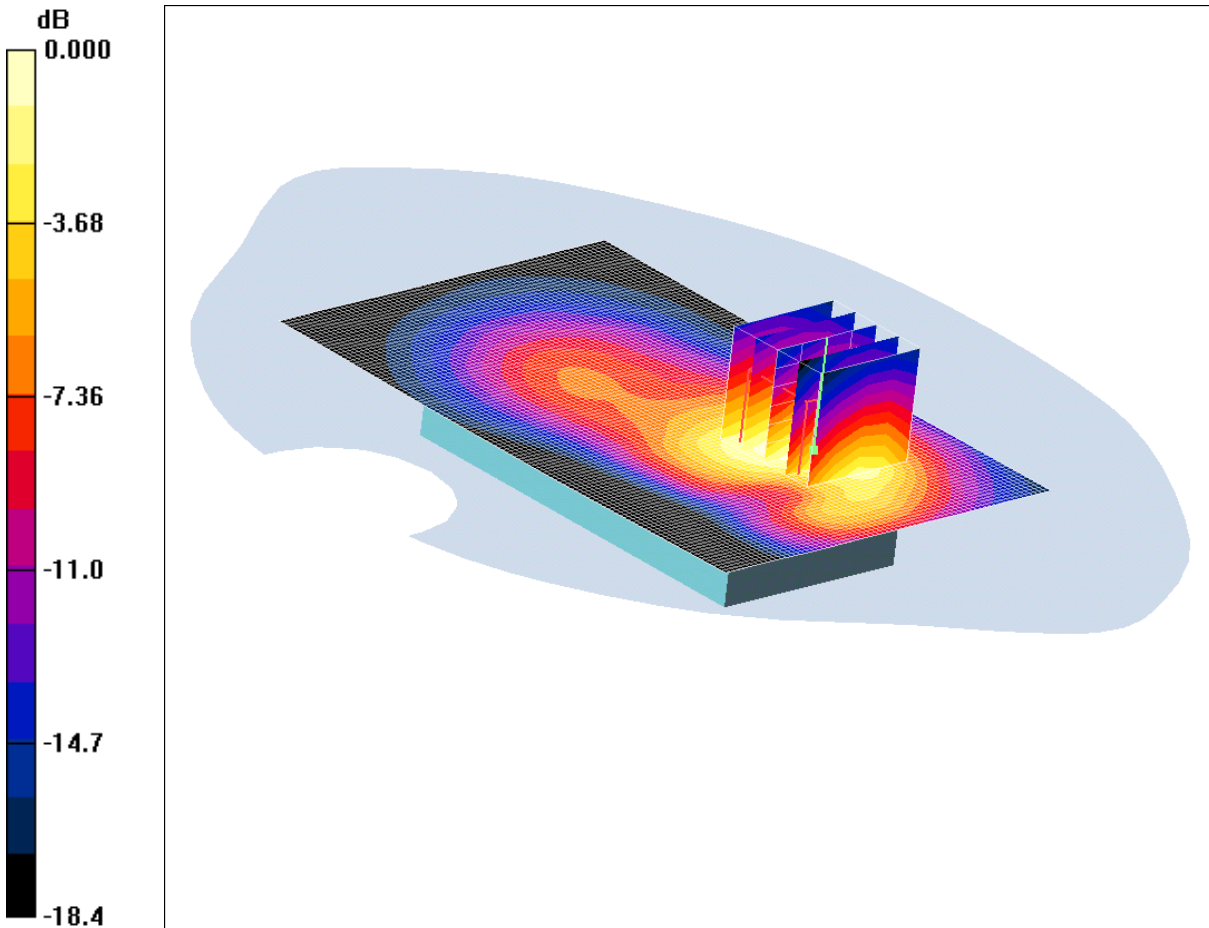
Maximum value of SAR (measured) = 1.21 mW/g

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

SCN/87697/030: Rear of EUT Facing Phantom GPRS CH661

Date: 19/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 1.10mW/g

Communication System: GPRS 1900 3Tx; Frequency: 1880 MHz; Duty Cycle: 1:2.67

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 51.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.31, 7.31, 7.31); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Rear of EUT Facing Phantom - Middle/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.13 mW/g

**Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.6 V/m; Power Drift = 0.017 dB

Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.856 mW/g; SAR(10 g) = 0.483 mW/g**

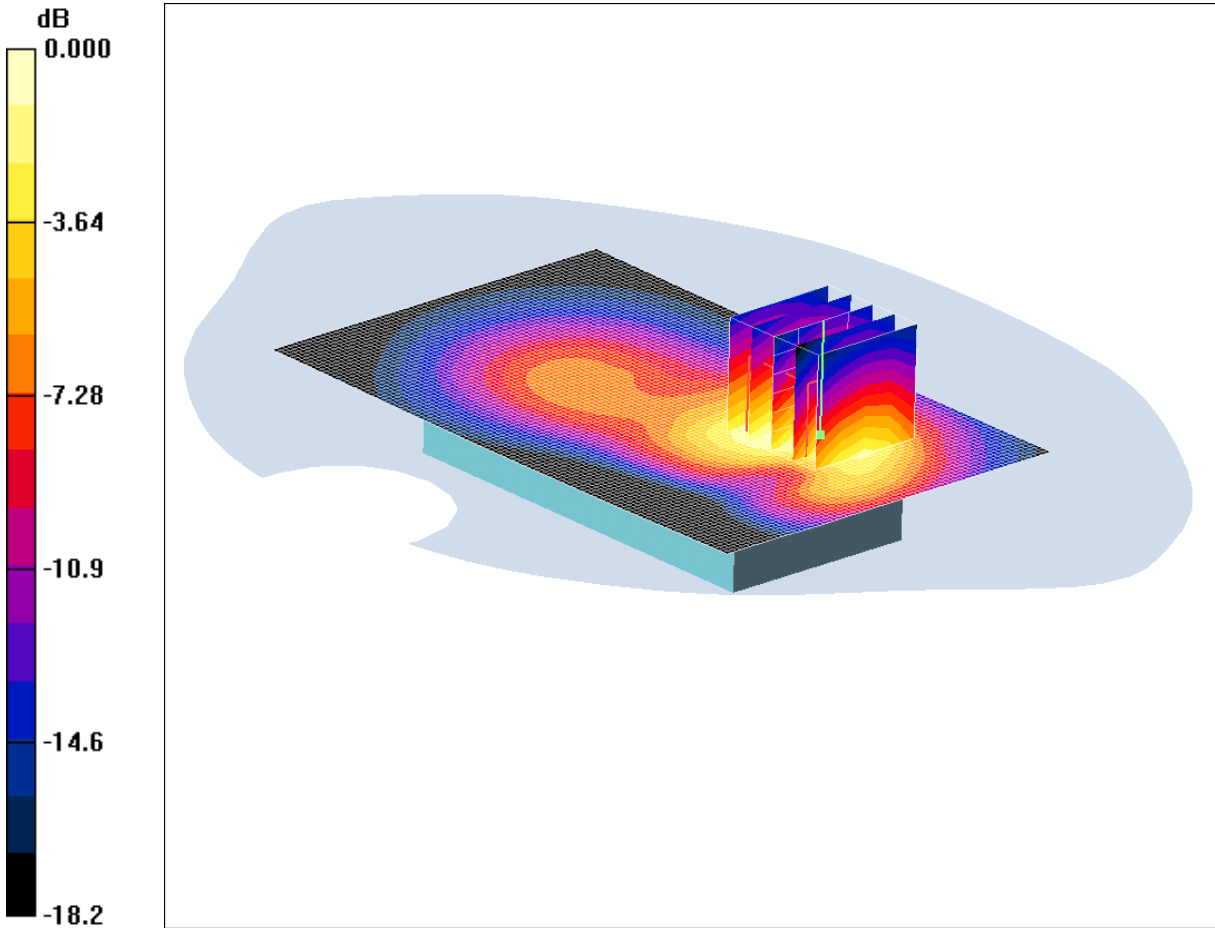
Maximum value of SAR (measured) = 1.10 mW/g



SCN/87697/031: Rear of EUT Facing Phantom GPRS CH512

Date: 19/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.996mW/g

Communication System: GPRS 1900 3Tx; Frequency: 1850.2 MHz; Duty Cycle: 1:2.67

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 51.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.31, 7.31, 7.31); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Rear of EUT Facing Phantom - Low/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.02 mW/g

**Rear of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

dy=8mm, dz=5mm

Reference Value = 11.1 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 1.30 W/kg

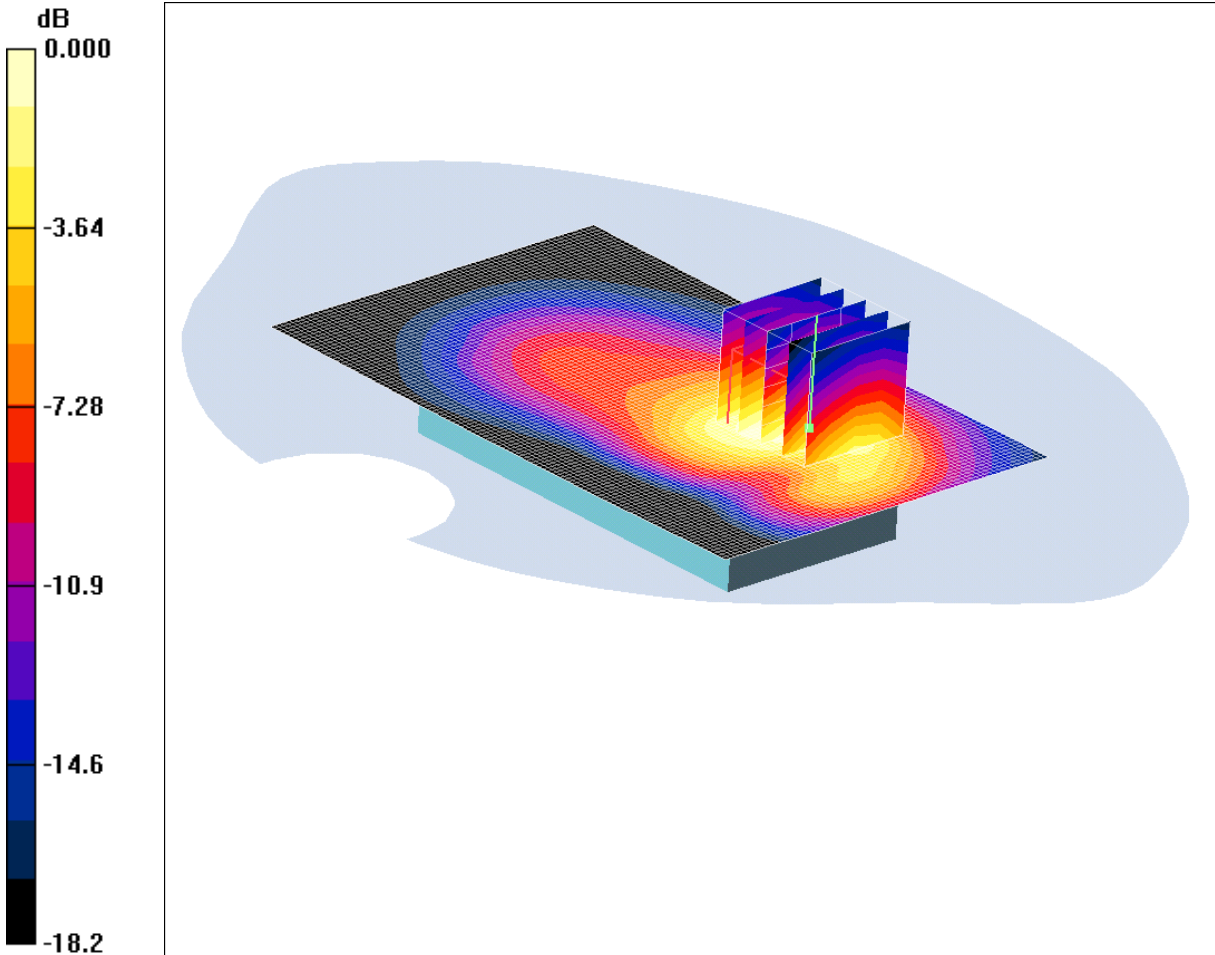
**SAR(1 g) = 0.774 mW/g; SAR(10 g) = 0.436 mW/g**

Maximum value of SAR (measured) = 0.996 mW/g

SCN/87697/032: Rear of EUT Facing Phantom GPRS CH810

Date: 19/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 1.18mW/g

Communication System: GPRS 1900 3Tx; Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.6 \text{ mho/m}$ ;  $\epsilon_r = 51.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.31, 7.31, 7.31); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Rear of EUT Facing Phantom - High/Area Scan (71x111x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.23 mW/g

**Rear of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 12.5 V/m; Power Drift = 0.061 dB

Peak SAR (extrapolated) = 1.56 W/kg

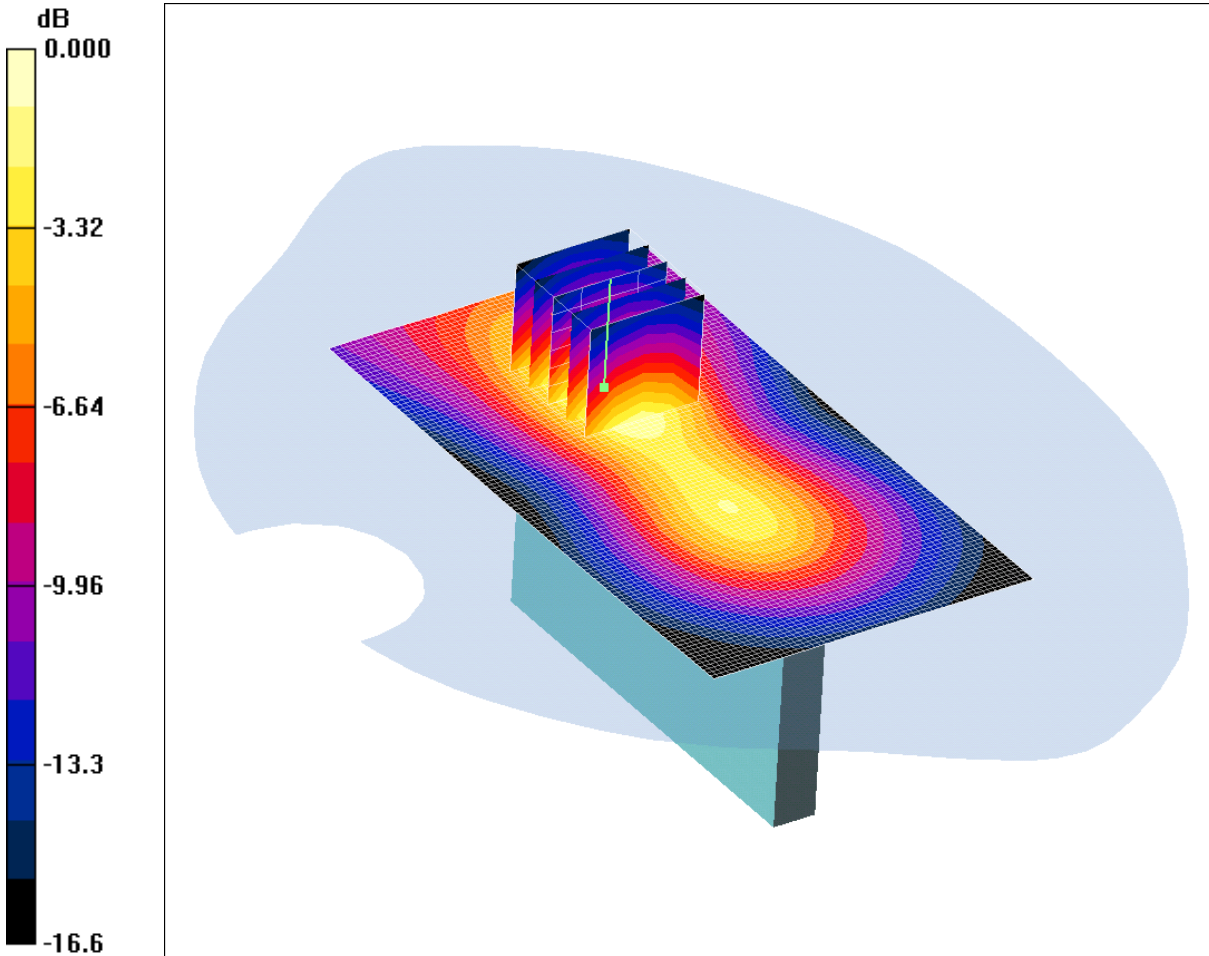
**SAR(1 g) = 0.921 mW/g; SAR(10 g) = 0.523 mW/g**

Maximum value of SAR (measured) = 1.18 mW/g

SCN/87697/033: Left Hand Side of EUT Facing Phantom GPRS CH661

Date: 19/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.482mW/g

Communication System: GPRS 1900 3Tx; Frequency: 1880 MHz; Duty Cycle: 1:2.67

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 51.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.31, 7.31, 7.31); Calibrated: 22/09/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Left Hand Side of EUT Facing Phantom - Middle/Area Scan (61x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.486 mW/g

**Left Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.5 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 0.626 W/kg

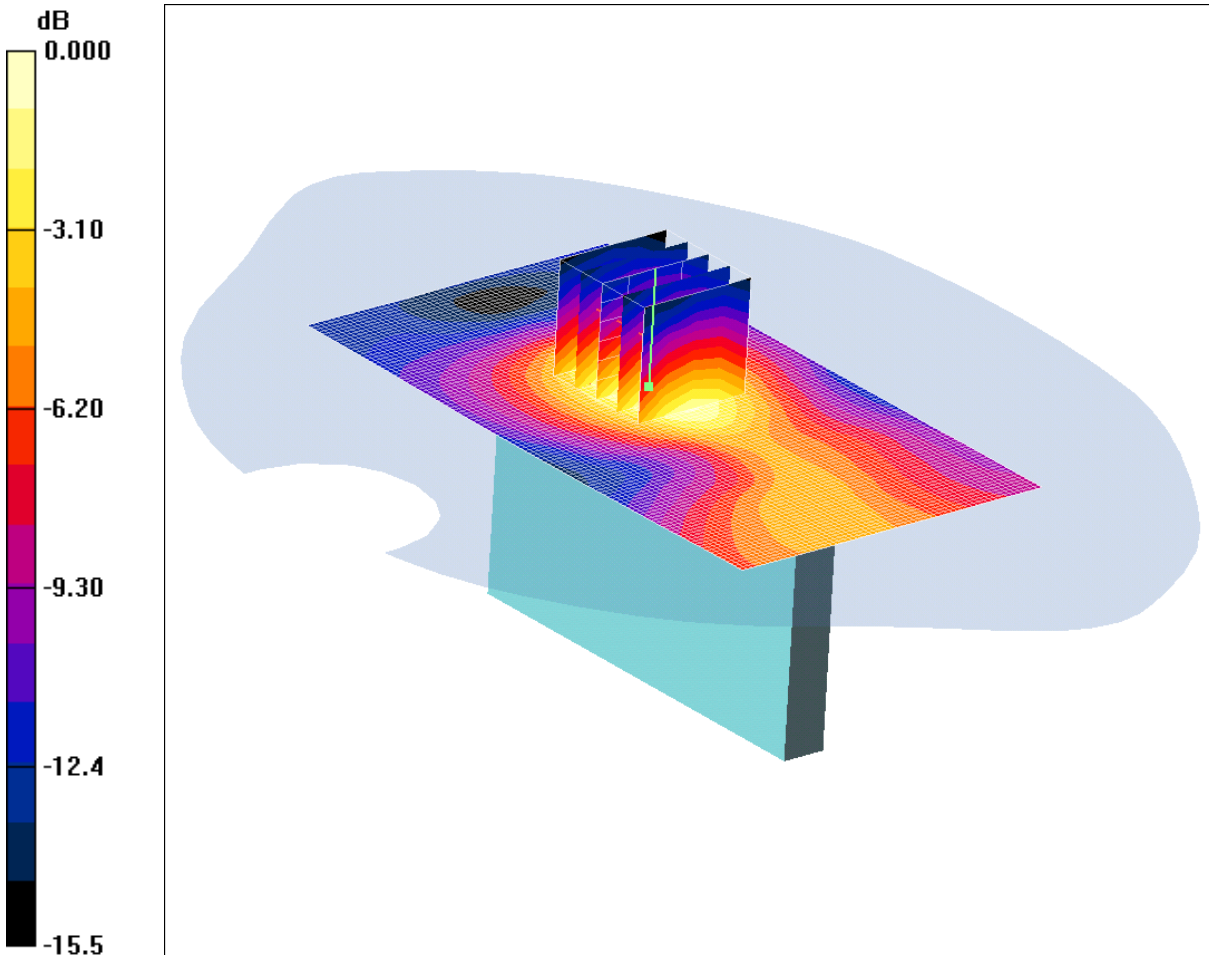
**SAR(1 g) = 0.374 mW/g; SAR(10 g) = 0.213 mW/g**

Maximum value of SAR (measured) = 0.482 mW/g

SCN/87697/034: Right Hand Side of EUT Facing Phantom GPRS CH661

Date: 19/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.183mW/g

Communication System: GPRS 1900 3Tx; Frequency: 1880 MHz; Duty Cycle: 1:2.67

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 51.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.31, 7.31, 7.31); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Right Hand Side of EUT Facing Phantom - Middle/Area Scan (61x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.190 mW/g

**Right Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.2 V/m; Power Drift = 0.060 dB

Peak SAR (extrapolated) = 0.233 W/kg

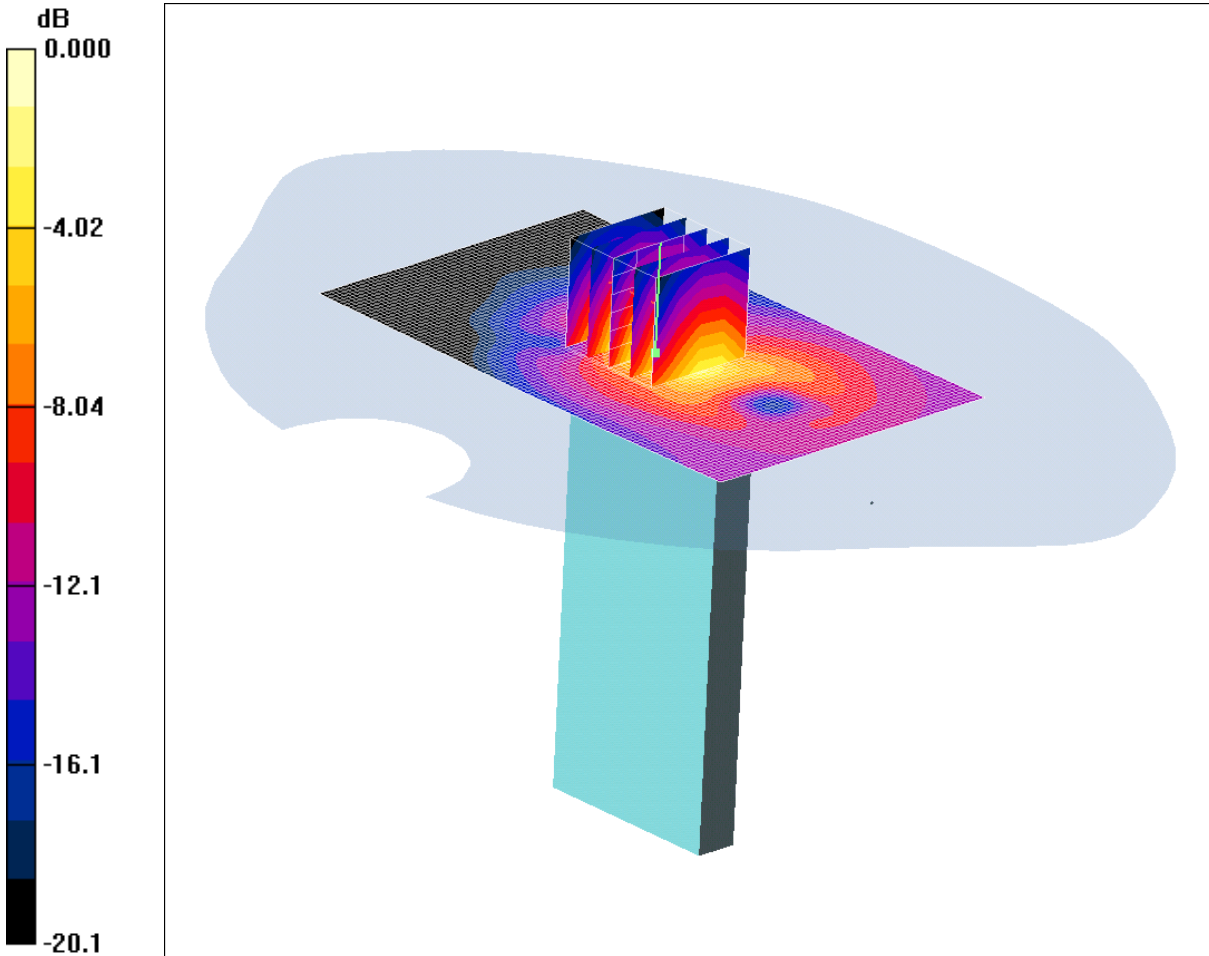
**SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.086 mW/g**

Maximum value of SAR (measured) = 0.183 mW/g

SCN/87697/035: Bottom of EUT Facing Phantom GPRS CH661

Date: 19/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.861mW/g

Communication System: GPRS 1900 3Tx; Frequency: 1880 MHz; Duty Cycle: 1:2.67

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 51.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.31, 7.31, 7.31); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Base of EUT Facing Phantom - Middle/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.906 mW/g

**Base of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.6 V/m; Power Drift = 0.059 dB

Peak SAR (extrapolated) = 1.15 W/kg

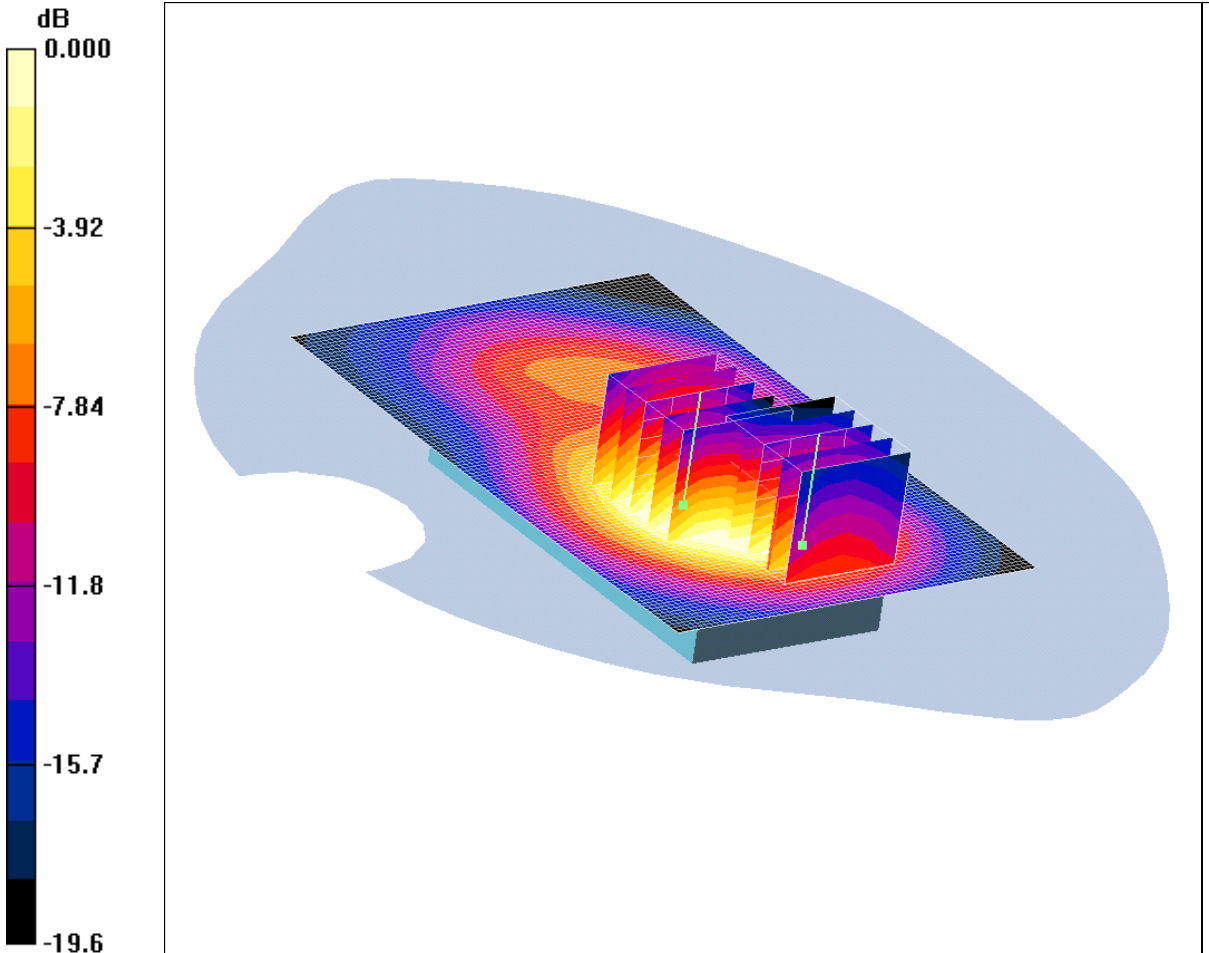
**SAR(1 g) = 0.629 mW/g; SAR(10 g) = 0.302 mW/g**

Maximum value of SAR (measured) = 0.861 mW/g

SCN/87697/036: Front of EUT Facing Phantom EDGE CH661

Date 19/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.873mW/g

Communication System: EDGE 1900 3Tx; Frequency: 1880 MHz; Duty Cycle: 1:2.67

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 51.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.31, 7.31, 7.31); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Front of EUT Facing Phantom - Middle /Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.17 mW/g

**Front of EUT Facing Phantom - Middle /Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.3 V/m; Power Drift = -0.039 dB; Peak SAR (extrapolated) = 1.58 W/kg

**SAR(1 g) = 0.923 mW/g; SAR(10 g) = 0.513 mW/g**

Maximum value of SAR (measured) = 1.20 mW/g

**Front of EUT Facing Phantom - Middle /Zoom Scan (5x5x7) (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.3 V/m; Power Drift = -0.039 dB; Peak SAR (extrapolated) = 1.17 W/kg

**SAR(1 g) = 0.676 mW/g; SAR(10 g) = 0.356 mW/g**

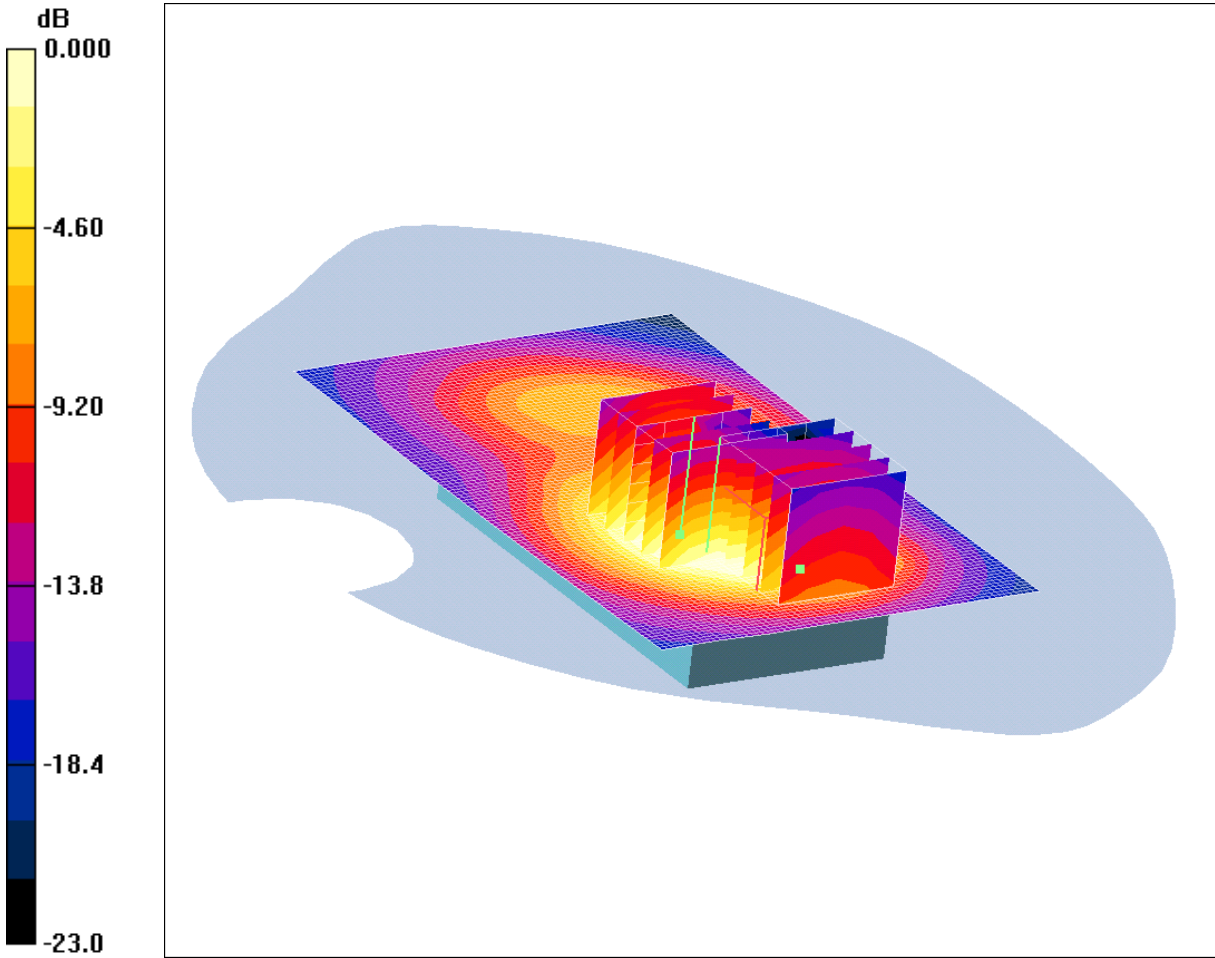
Maximum value of SAR (measured) = 0.873 mW/g

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

SCN/87697/037: Front of EUT Facing Phantom EDGE CH512

Date 19/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.777mW/g

Communication System: EDGE 1900 3Tx; Frequency: 1850.2 MHz; Duty Cycle: 1:2.67

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 51.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.31, 7.31, 7.31); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Front of EUT Facing Phantom - Low/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.06 mW/g

**Front of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.7 V/m; Power Drift = -0.037 dB; Peak SAR (extrapolated) = 1.38 W/kg

**SAR(1 g) = 0.820 mW/g; SAR(10 g) = 0.455 mW/g**

Maximum value of SAR (measured) = 1.05 mW/g

**Front of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.7 V/m; Power Drift = -0.037 dB; Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.596 mW/g; SAR(10 g) = 0.314 mW/g**

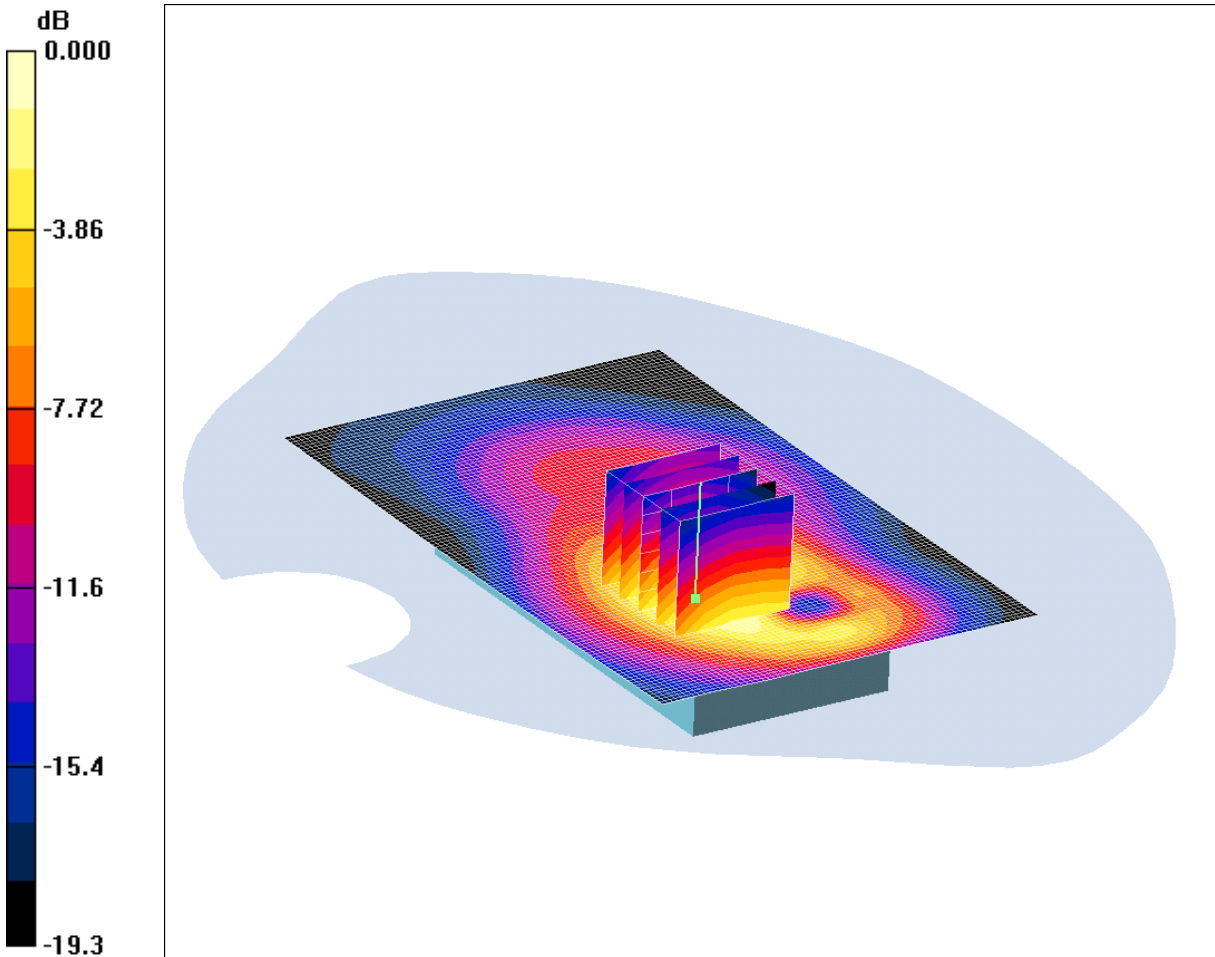
Maximum value of SAR (measured) = 0.777 mW/g

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

SCN/87697/038: Front of EUT Facing Phantom EDGE CH810

Date: 19/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 1.22mW/g

Communication System: EDGE 1900 3Tx; Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1909.8$  MHz;  $\sigma = 1.6$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.31, 7.31, 7.31); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Front of EUT Facing Phantom - High/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.25 mW/g

**Front of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 1.70 W/kg

**SAR(1 g) = 0.992 mW/g; SAR(10 g) = 0.551 mW/g**

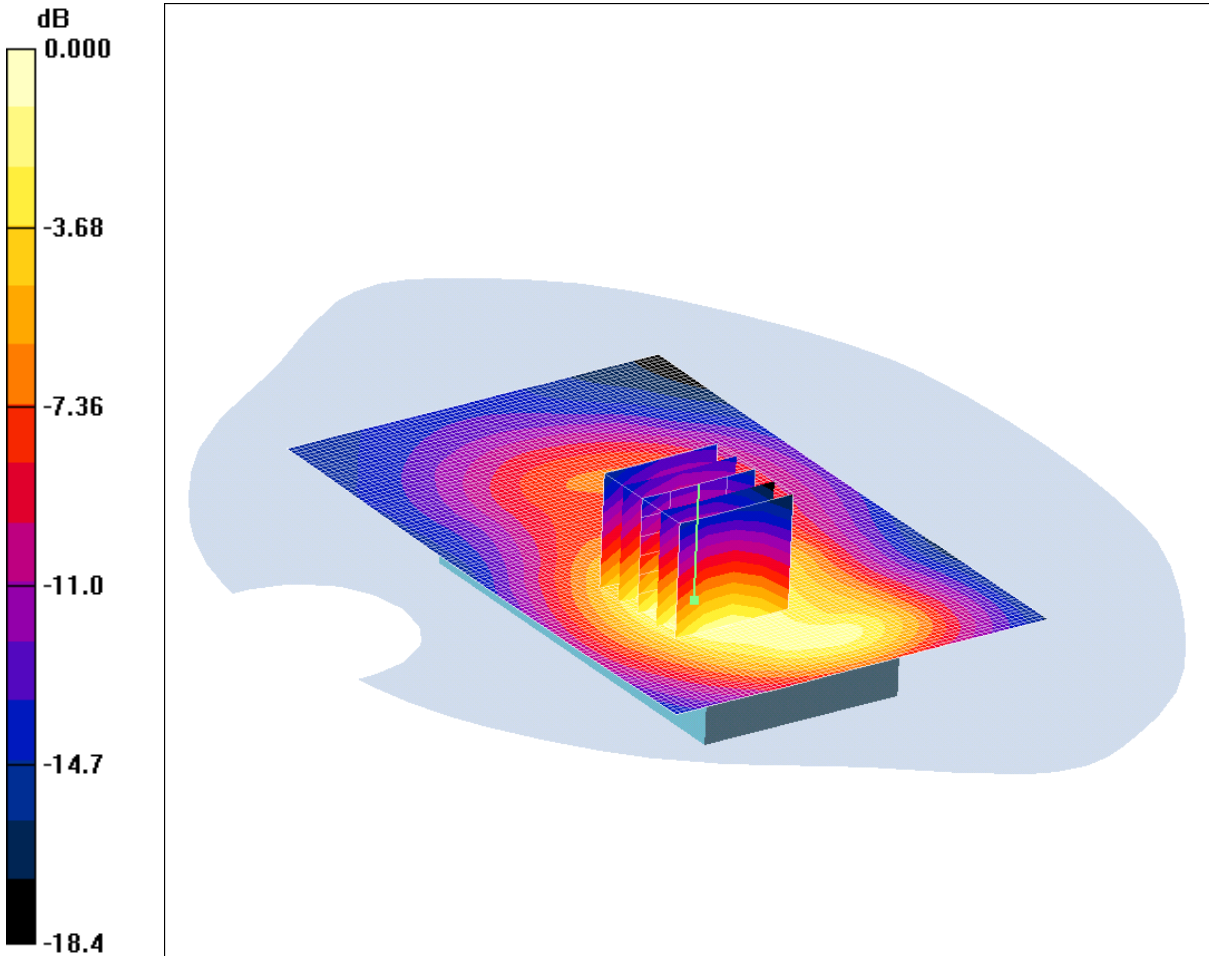
Maximum value of SAR (measured) = 1.22 mW/g



SCN/87697/039: Front of EUT Facing Phantom PCS CH661

Date: 19/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.442mW/g

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 51.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.31, 7.31, 7.31); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Front of EUT Facing Phantom - Middle/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.433 mW/g

**Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.81 V/m; Power Drift = 0.051 dB

Peak SAR (extrapolated) = 0.587 W/kg

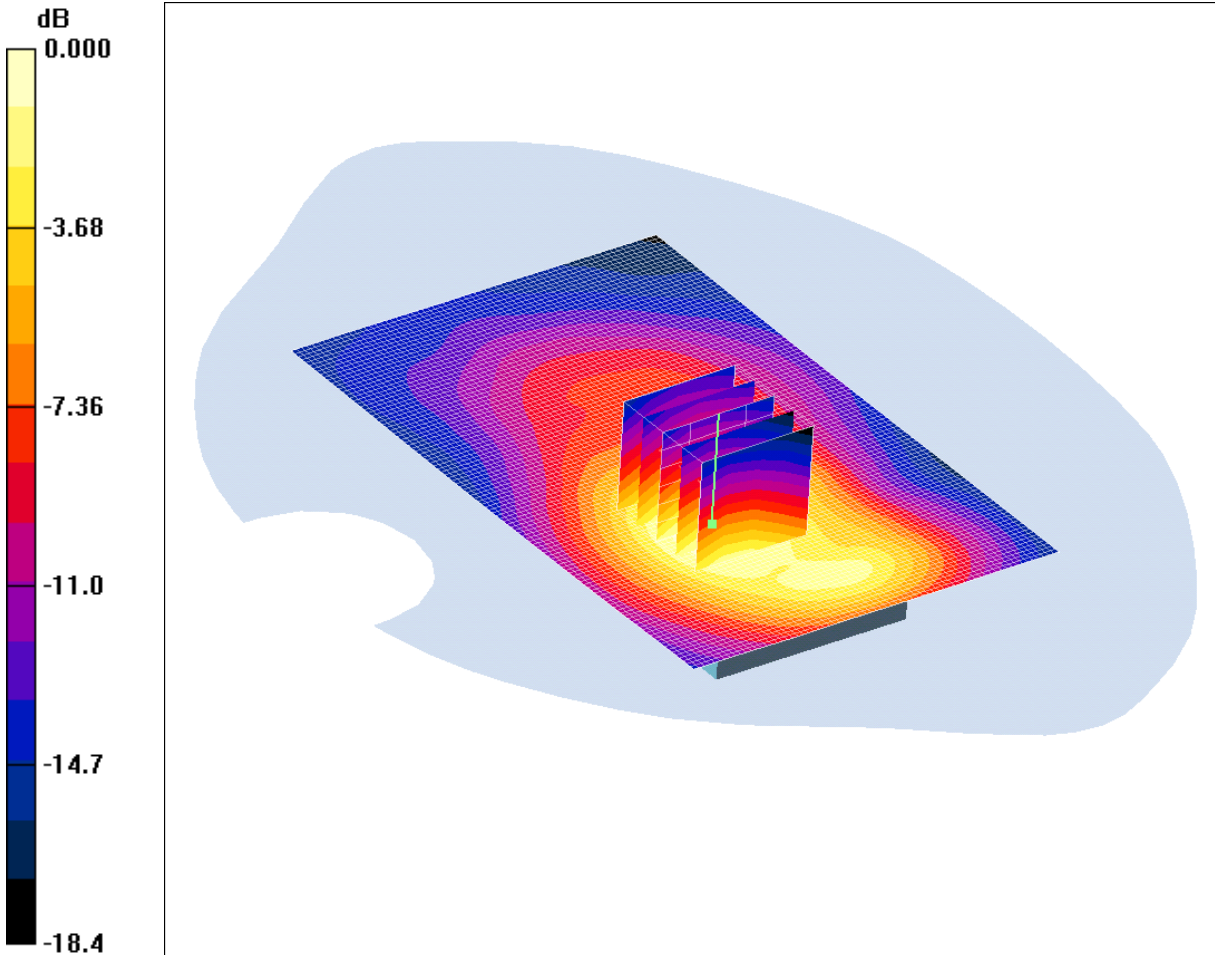
**SAR(1 g) = 0.352 mW/g; SAR(10 g) = 0.204 mW/g**

Maximum value of SAR (measured) = 0.442 mW/g

**SCN/87697/040: Front of EUT Facing Phantom 15mm GPRS CH810**

Date: 19/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 0.608mW/g

Communication System: GPRS 1900 3Tx; Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1909.8$  MHz;  $\sigma = 1.6$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.31, 7.31, 7.31); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Front of EUT Facing Phantom - High/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.591 mW/g

**Front of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.39 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 0.792 W/kg

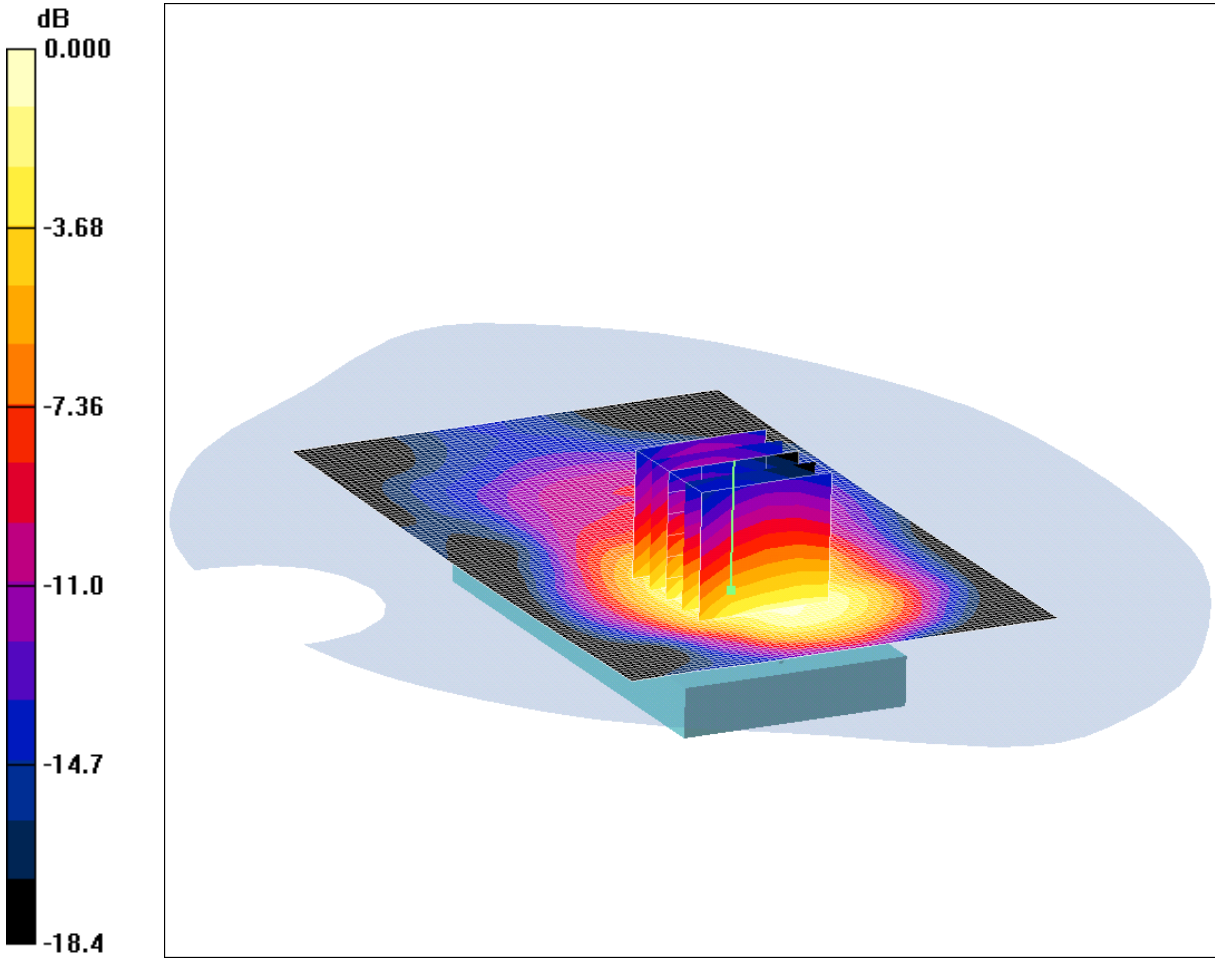
**SAR(1 g) = 0.481 mW/g; SAR(10 g) = 0.280 mW/g**

Maximum value of SAR (measured) = 0.608 mW/g

SCN/87697/041: Front of EUT Facing Phantom with PHF GPRS CH810

Date: 20/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8TT



0 dB = 1.21mW/g

Communication System: GPRS 1900 3Tx; Frequency: 1909.8 MHz; Duty Cycle: 1:2.67

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.6 \text{ mho/m}$ ;  $\epsilon_r = 51.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.31, 7.31, 7.31); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Front of EUT Facing Phantom with PHF - High/Area Scan (71x111x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.19 mW/g

**Front of EUT Facing Phantom with PHF - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

$dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 11.7 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 1.67 W/kg

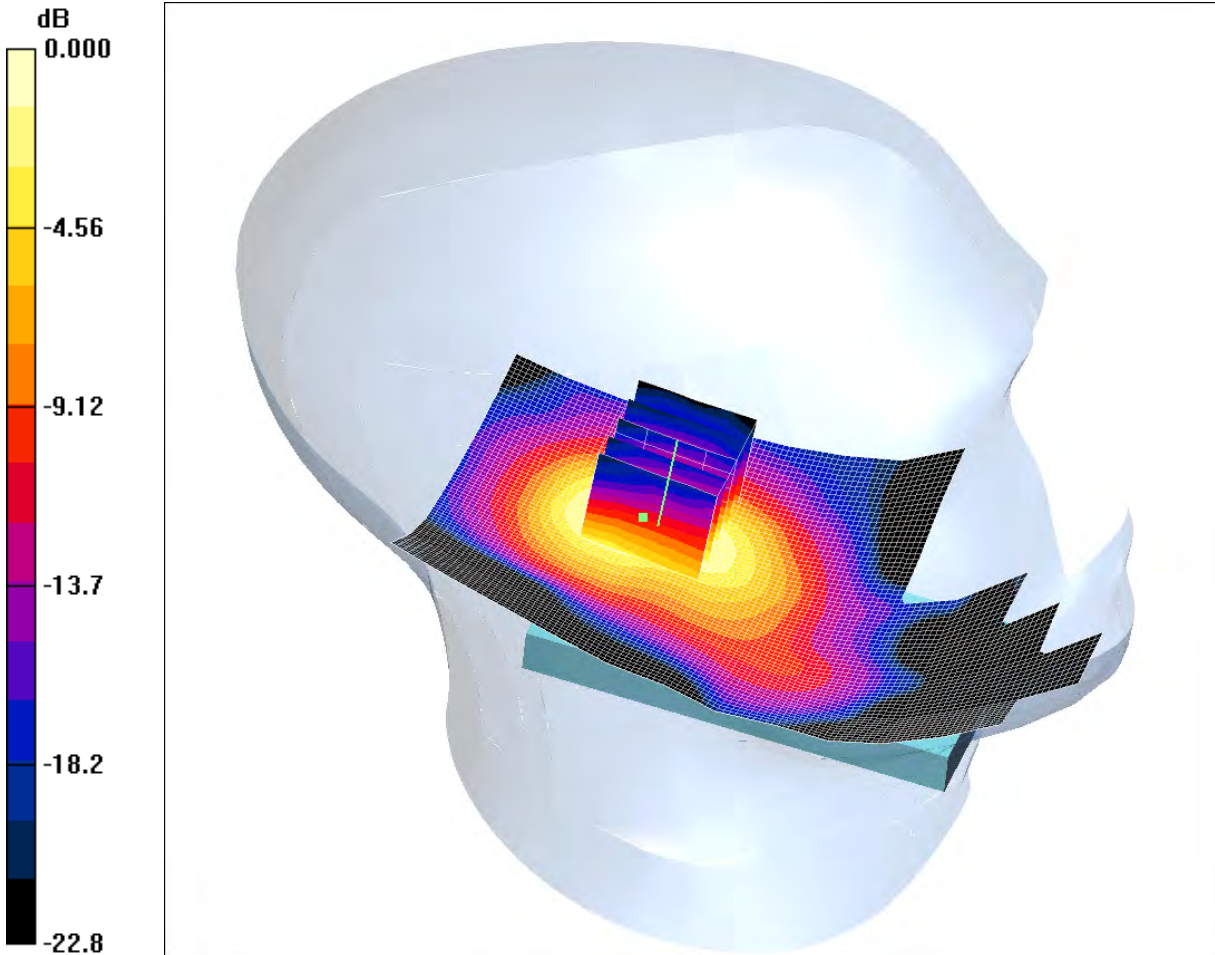
**SAR(1 g) = 0.973 mW/g; SAR(10 g) = 0.542 mW/g**

Maximum value of SAR (measured) = 1.21 mW/g

SCN/87697/042: Touch Left WLAN 802.11b 1Mbps CH6

Date: 21/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8KQ



0 dB = 0.370mW/g

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

Medium: 2450 MHz HSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.83$  mho/m;  $\epsilon_r = 38.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Touch Left - Middle 2/Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.389 mW/g

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

Reference Value = 10.2 V/m; Power Drift = 0.002 dB

Peak SAR (extrapolated) = 0.540 W/kg

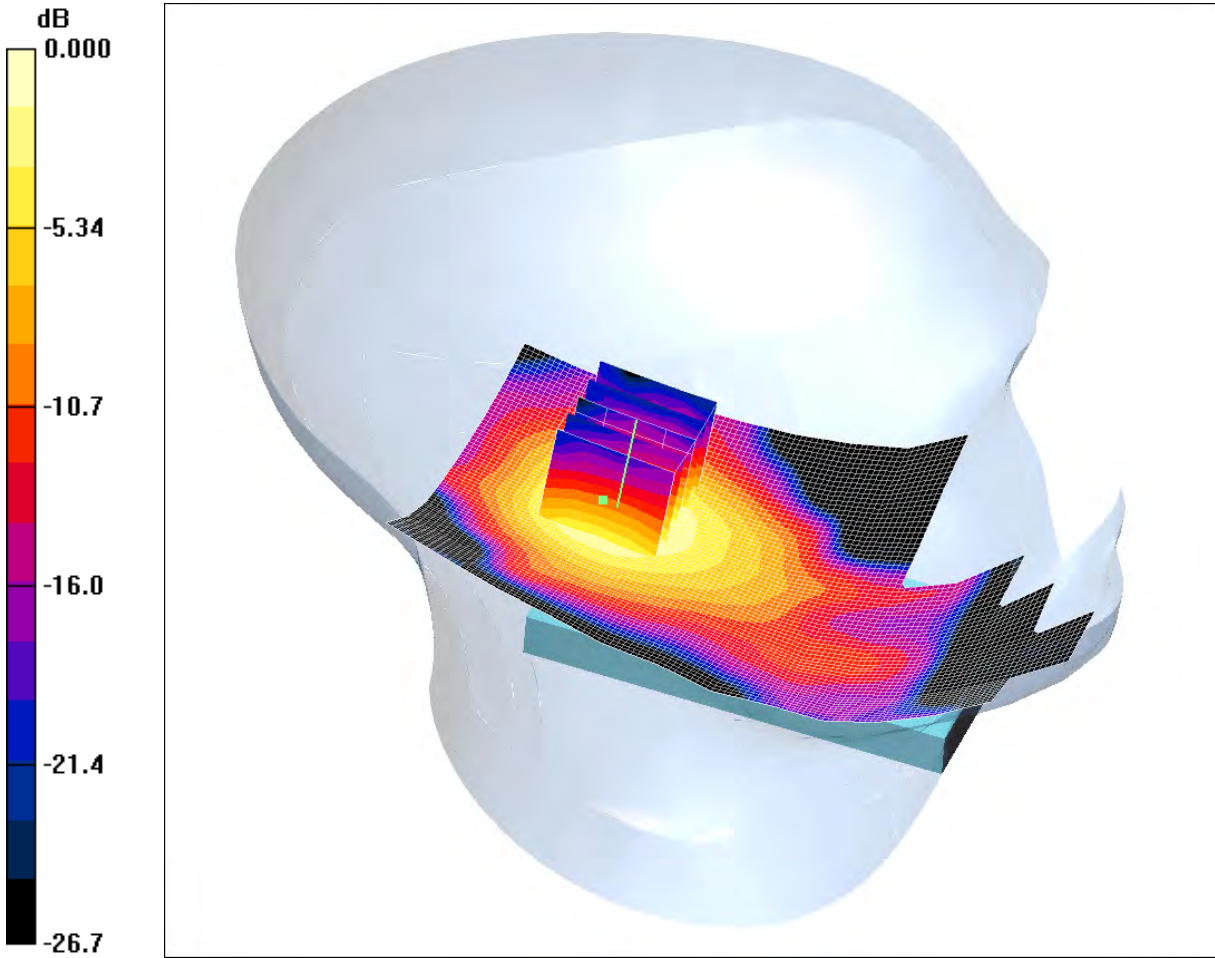
**SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.140 mW/g**

Maximum value of SAR (measured) = 0.370 mW/g

SCN/87697/043: Tilt Left WLAN 802.11b 1Mbps CH6

Date: 21/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8KQ



0 dB = 0.204mW/g

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

Medium: 2450 MHz HSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.83$  mho/m;  $\epsilon_r = 38.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Tilt Left - Middle/Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.208 mW/g

**Tilt Left - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.83 V/m; Power Drift = 0.134 dB

Peak SAR (extrapolated) = 0.319 W/kg

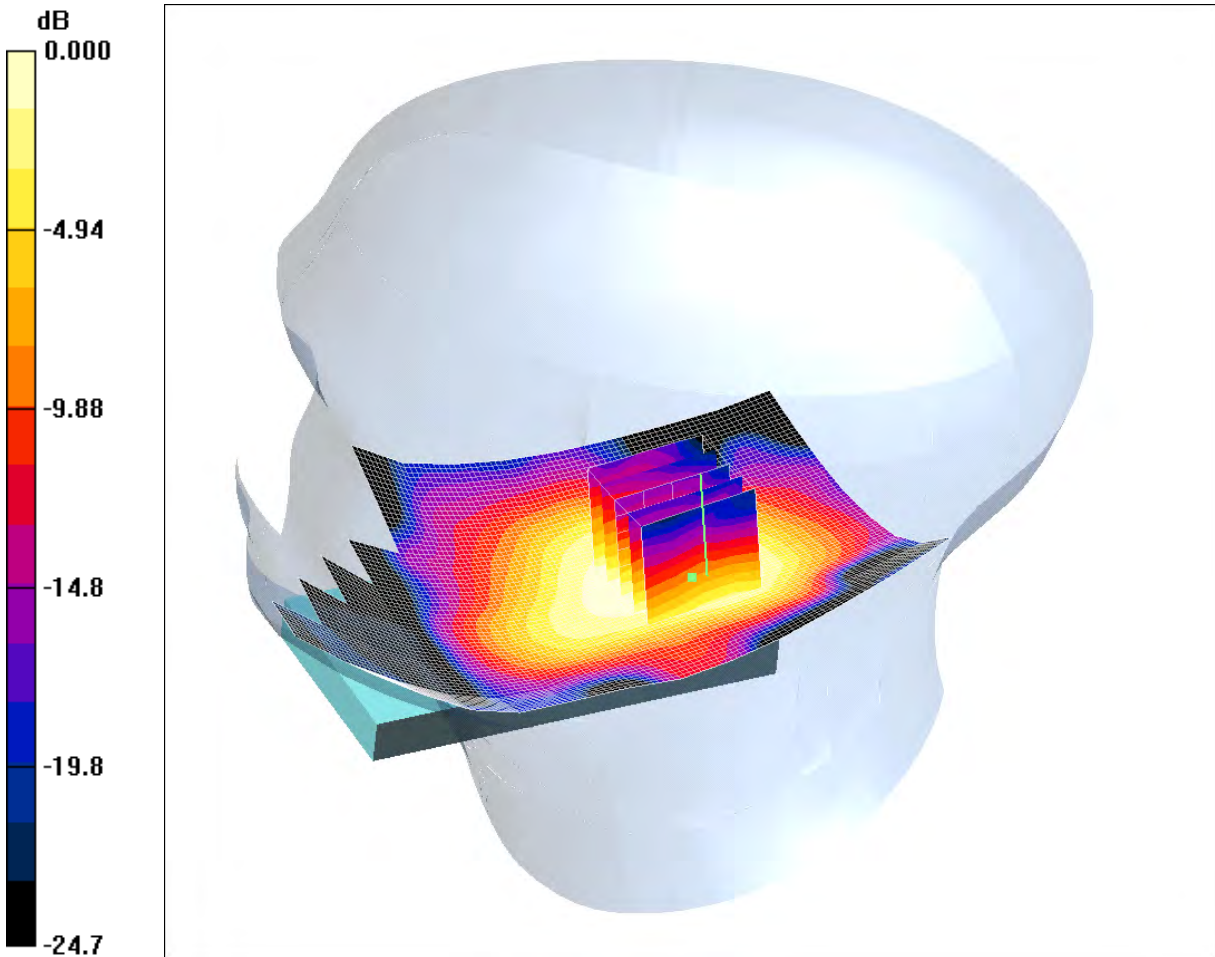
**SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.076 mW/g**

Maximum value of SAR (measured) = 0.204 mW/g

SCN/87697/044: Touch Right WLAN 802.11b 1Mbps CH6

Date: 21/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8KQ



0 dB = 0.169mW/g

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

Medium: 2450 MHz HSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.83$  mho/m;  $\epsilon_r = 38.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Touch Right - Middle/Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.181 mW/g

**Touch Right - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.52 V/m; Power Drift = 0.070 dB

Peak SAR (extrapolated) = 0.244 W/kg

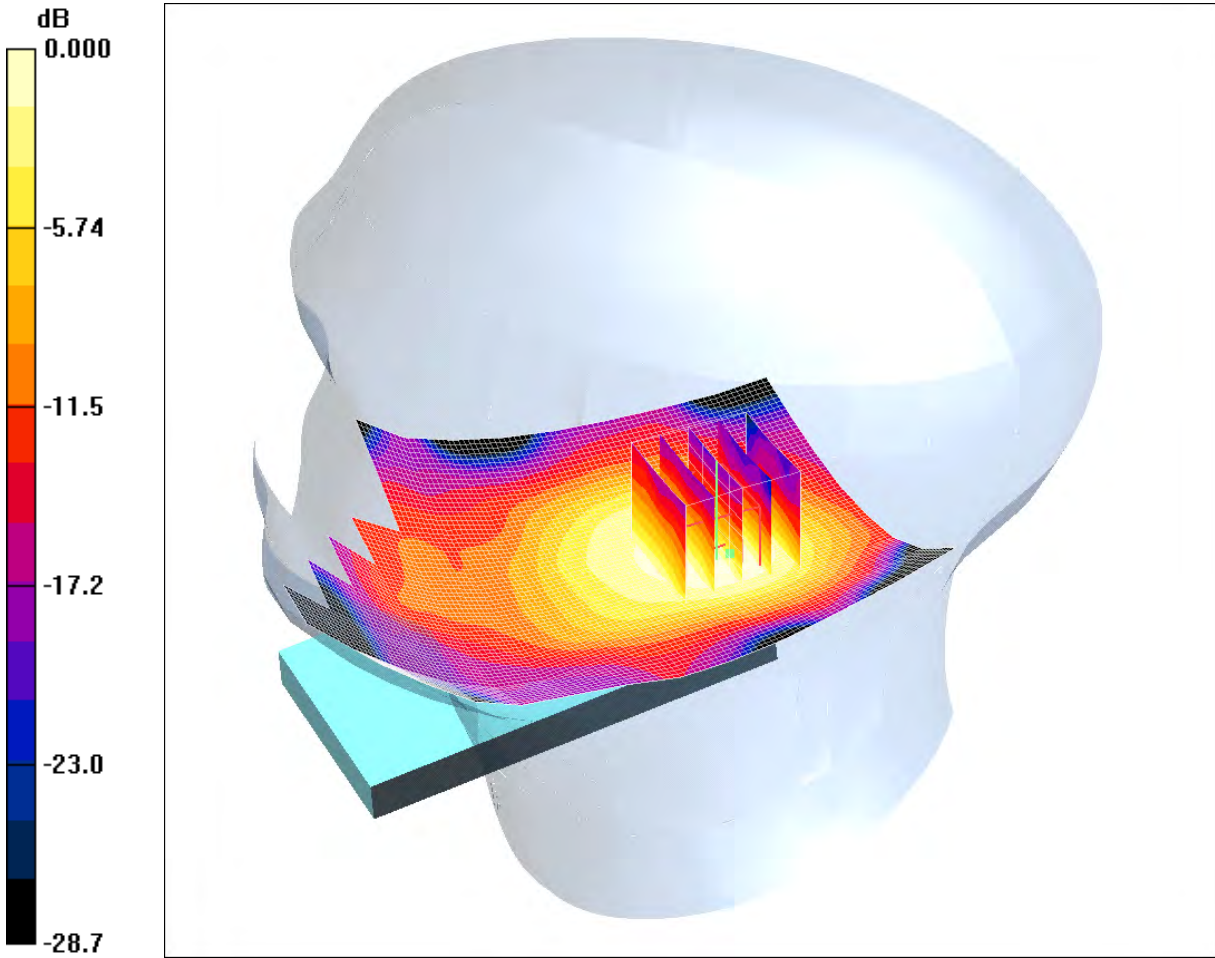
**SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.073 mW/g**

Maximum value of SAR (measured) = 0.169 mW/g

SCN/87697/045: Tilt Right WLAN 802.11b 1Mbps CH6

Date: 21/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8KQ



0 dB = 0.118mW/g

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

Medium: 2450 MHz HSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.83$  mho/m;  $\epsilon_r = 38.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Tilt Right - Middle/Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.122 mW/g

**Tilt Right - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.79 V/m; Power Drift = 0.105 dB

Peak SAR (extrapolated) = 0.177 W/kg

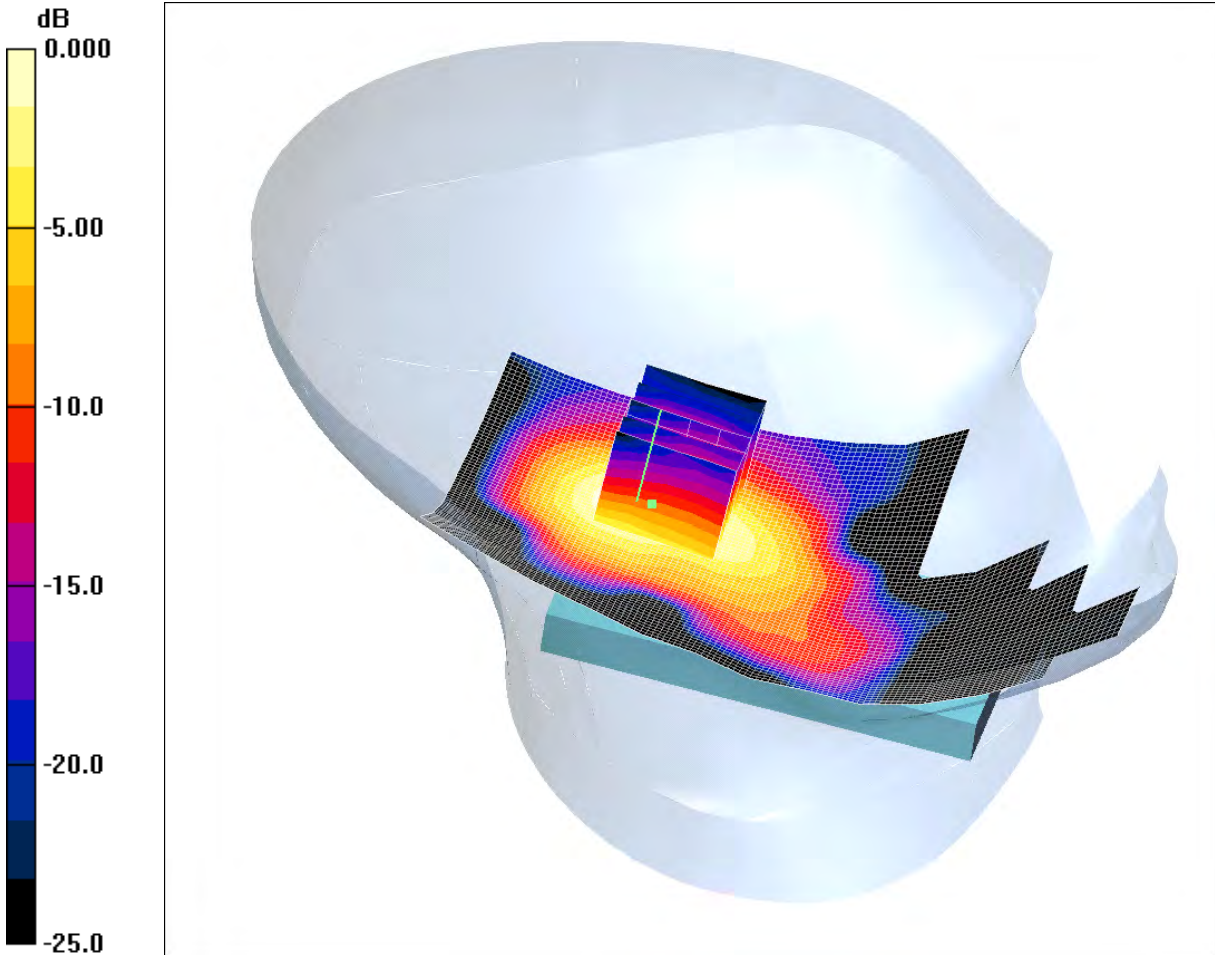
**SAR(1 g) = 0.087 mW/g; SAR(10 g) = 0.046 mW/g**

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

SCN/87697/046: Touch Left WLAN 802.11g 6Mbps CH6

Date: 21/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8KQ



0 dB = 0.295mW/g

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

Medium: 2450 MHz HSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.83$  mho/m;  $\epsilon_r = 38.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Maximum value of SAR (interpolated) = 0.308 mW/g

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

Reference Value = 9.46 V/m; Power Drift = 0.046 dB

Peak SAR (extrapolated) = 0.434 W/kg

**SAR(1 g) = 0.220 mW/g; SAR(10 g) = 0.110 mW/g**

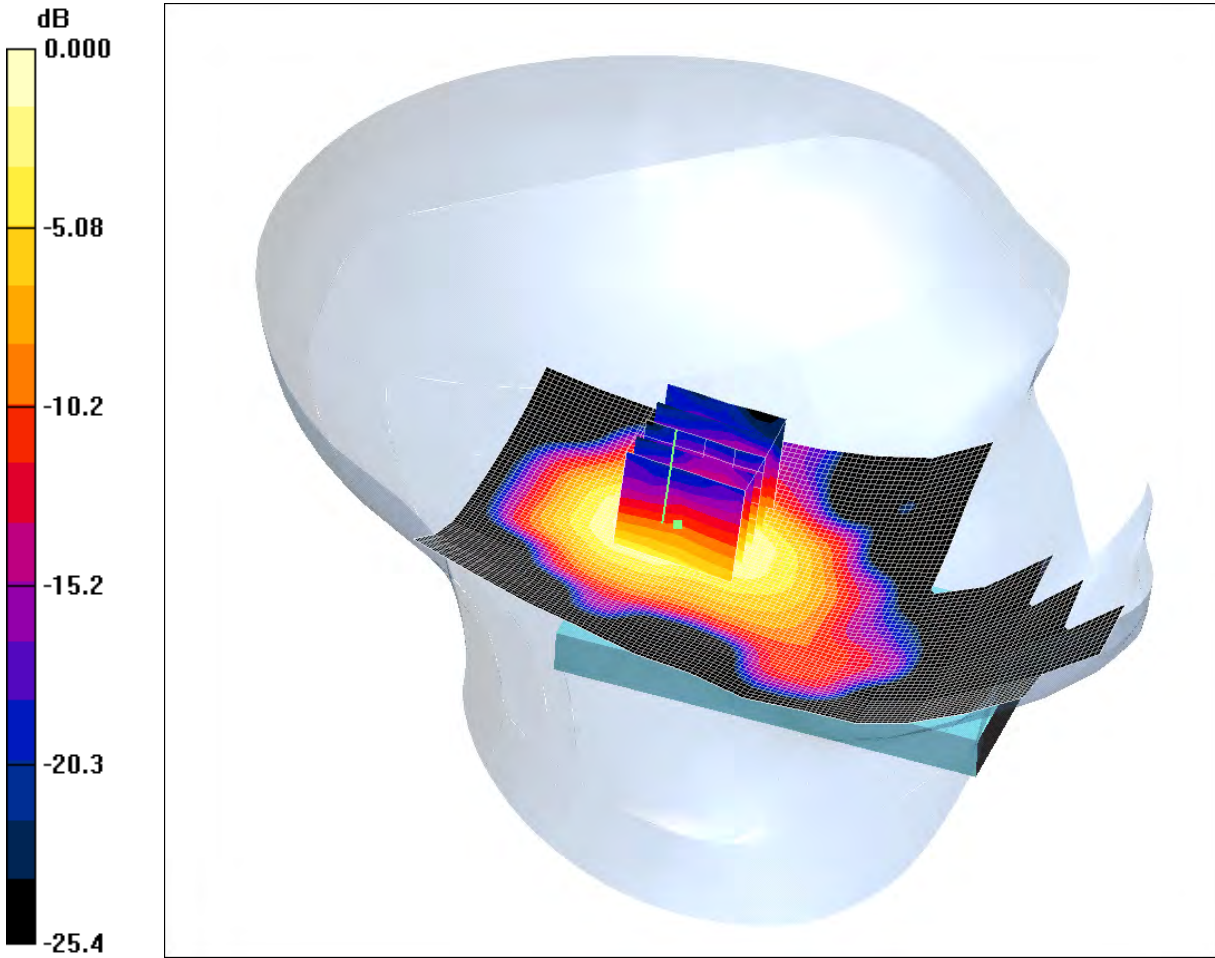
Maximum value of SAR (measured) = 0.295 mW/g



SCN/87697/047: Touch Left WLAN 802.11n 6\_5Mbps CH6

Date: 21/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8KQ



0 dB = 0.215mW/g

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

Medium: 2450 MHz HSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.83$  mho/m;  $\epsilon_r = 38.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Maximum value of SAR (interpolated) = 0.220 mW/g

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

Reference Value = 8.01 V/m; Power Drift = 0.116 dB

Peak SAR (extrapolated) = 0.310 W/kg

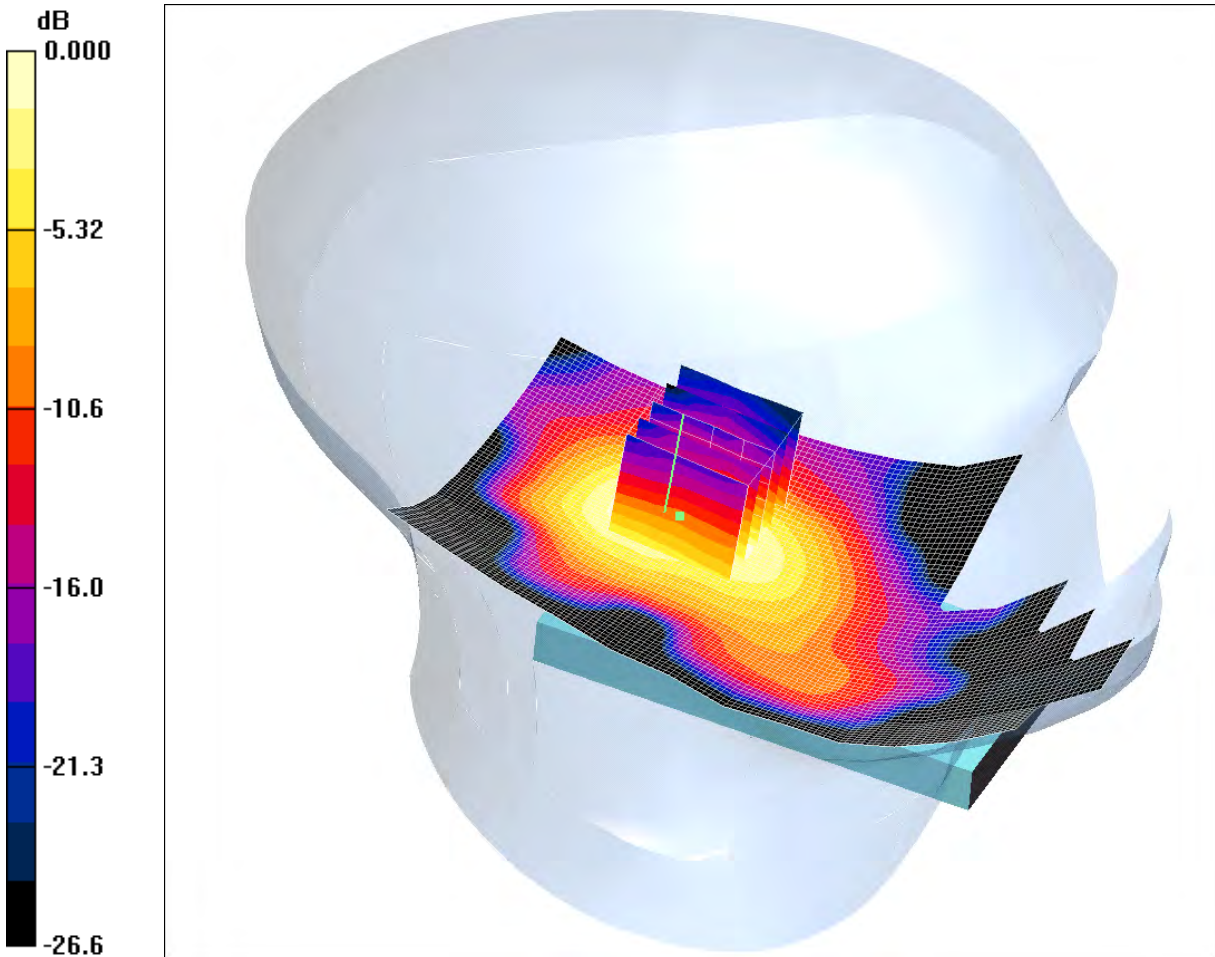
**SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.079 mW/g**

Maximum value of SAR (measured) = 0.215 mW/g

SCN/87697/048: Touch Left WLAN 802.11b 1Mbps CH1

Date: 21/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8KQ



0 dB = 0.348mW/g

Communication System: WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: 2450 MHz HSL Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.8$  mho/m;  $\epsilon_r = 38.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Maximum value of SAR (interpolated) = 0.354 mW/g

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

Reference Value = 10.4 V/m; Power Drift = 0.019 dB

Peak SAR (extrapolated) = 0.503 W/kg

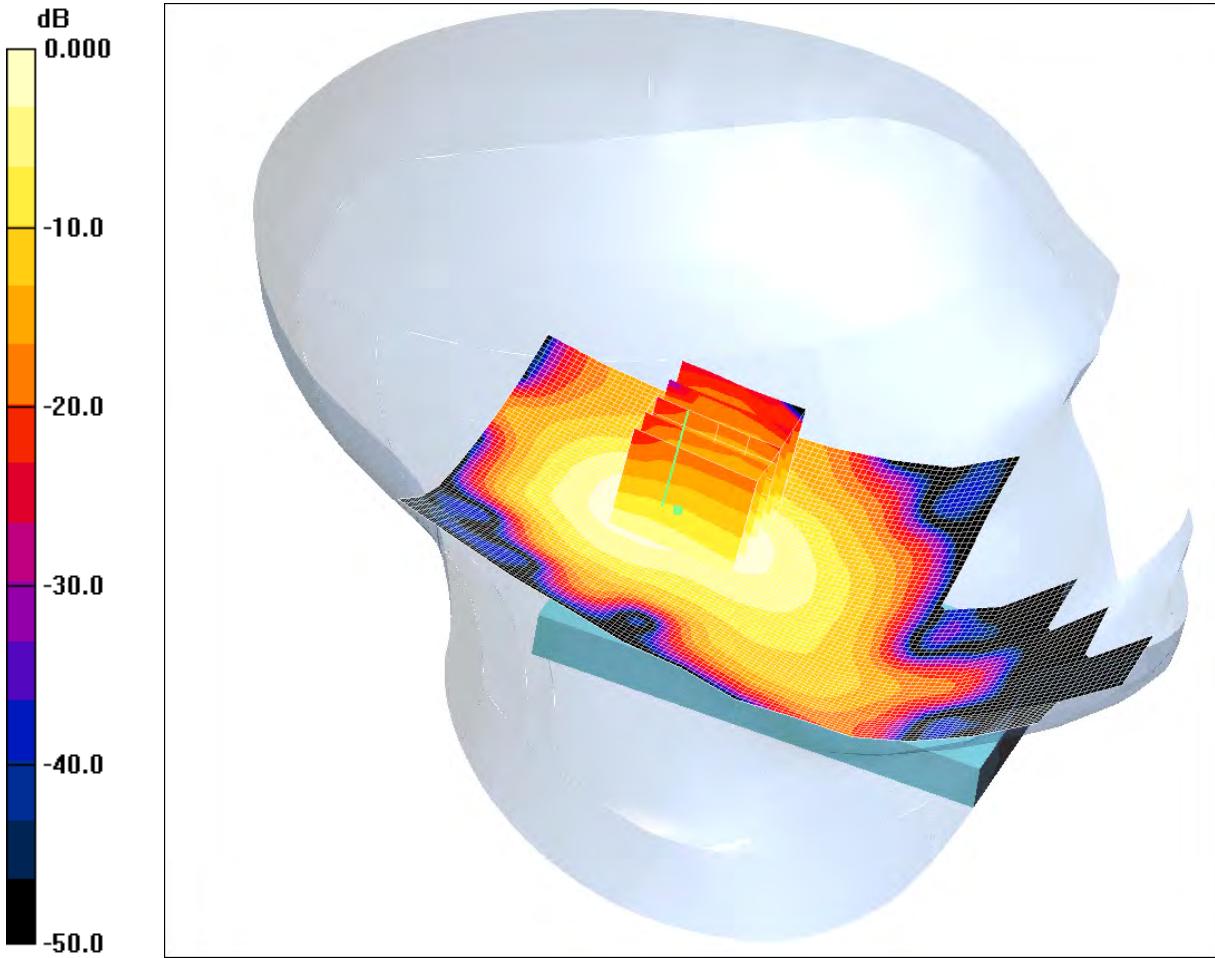
**SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.128 mW/g**

Maximum value of SAR (measured) = 0.348 mW/g

SCN/87697/049: Touch Left WLAN 802.11b 1Mbps CH11

Date: 21/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8KQ



0 dB = 0.362mW/g

Communication System: WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: 2450 MHz HSL Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.86$  mho/m;  $\epsilon_r = 38$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Maximum value of SAR (interpolated) = 0.373 mW/g

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

Reference Value = 9.89 V/m; Power Drift = 0.049 dB

Peak SAR (extrapolated) = 0.542 W/kg

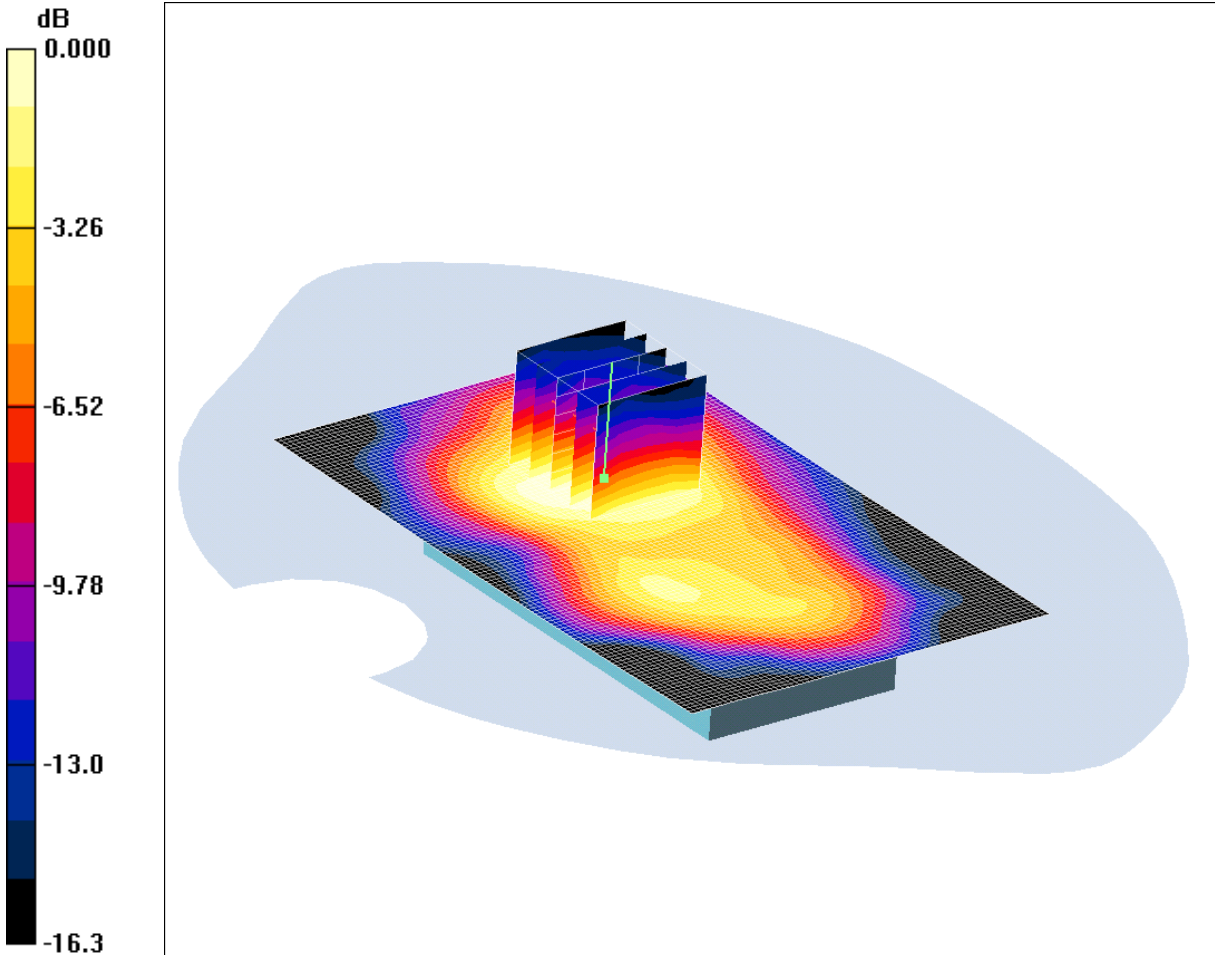
**SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.134 mW/g**

Maximum value of SAR (measured) = 0.362 mW/g

SCN/87697/050: Front of EUT Facing Phantom WLAN 802.11b 1Mbps CH6

Date: 21/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8KQ



0 dB = 0.077mW/g

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

Medium: 2450 MHz MSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Front of EUT Facing Phantom - Middle/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.082 mW/g

**Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 2 (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.60 V/m; Power Drift = 0.125 dB

Peak SAR (extrapolated) = 0.110 W/kg

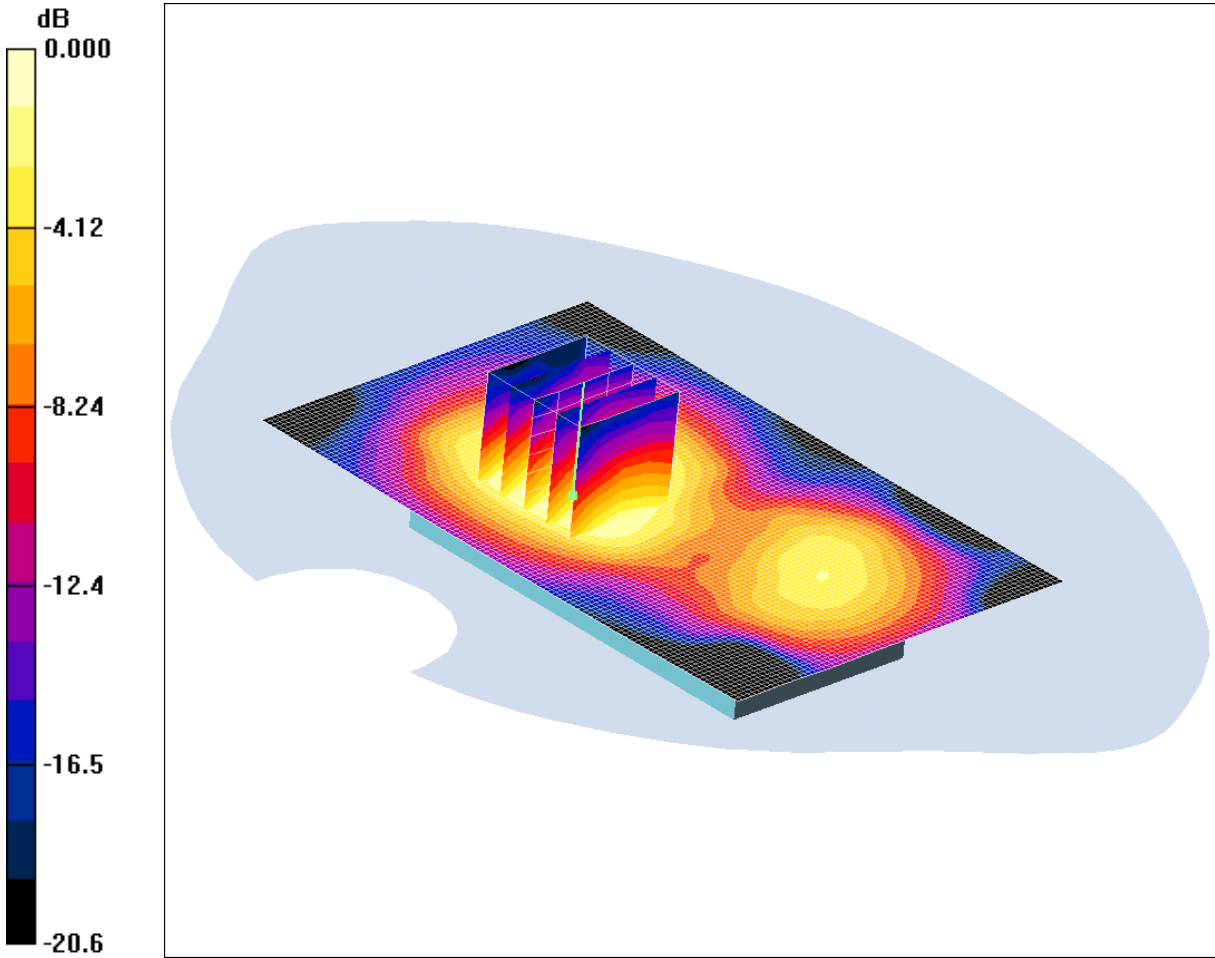
**SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.036 mW/g**

Maximum value of SAR (measured) = 0.077 mW/g

SCN/87697/051: Rear of EUT Facing Phantom WLAN 802.11b 1Mbps CH6

Date: 21/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8KQ



0 dB = 0.121mW/g

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

Medium: 2450 MHz MSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Rear of EUT Facing Phantom - Middle/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.125 mW/g

**Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 2 (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.81 V/m; Power Drift = 0.072 dB

Peak SAR (extrapolated) = 0.170 W/kg

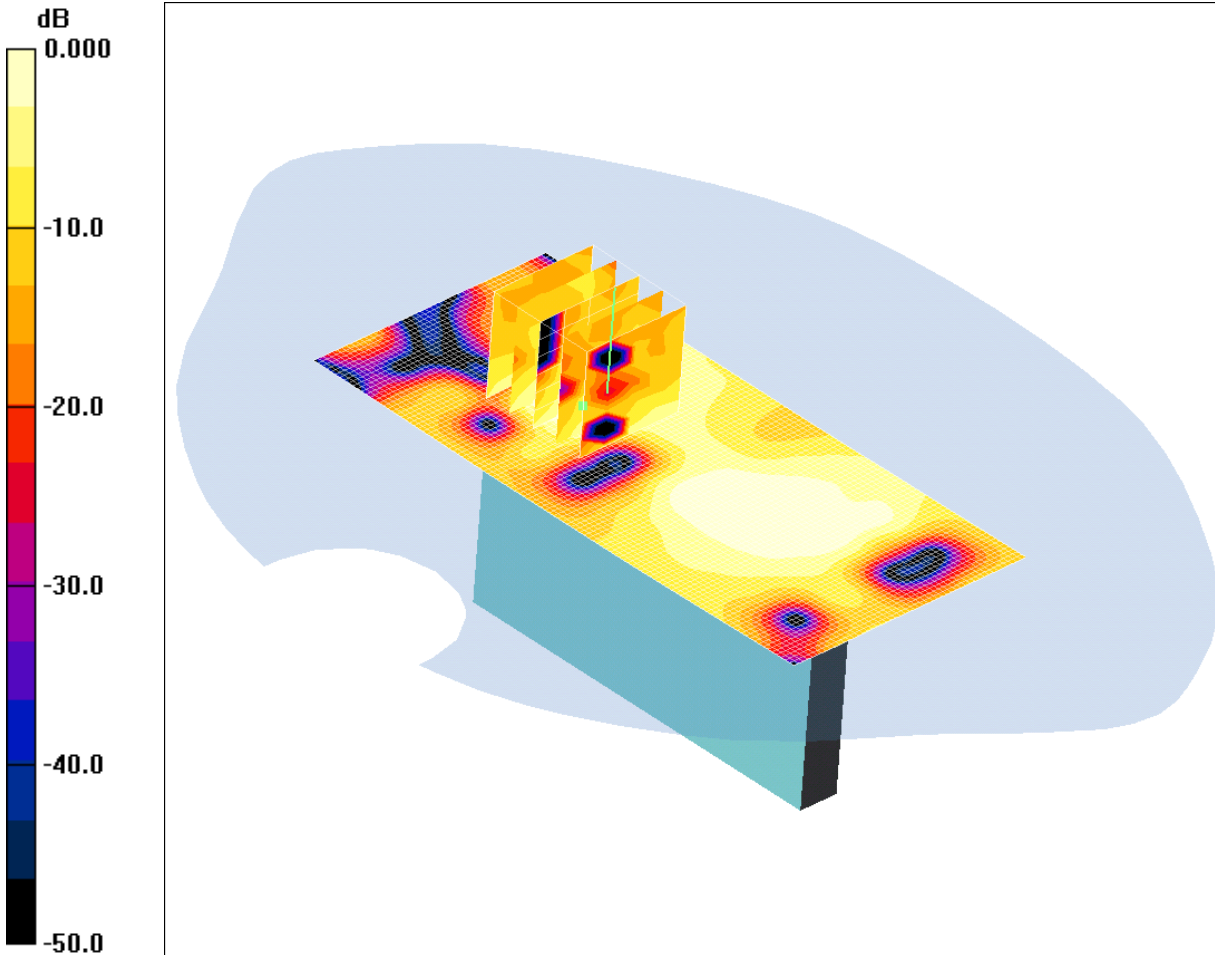
**SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.054 mW/g**

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

**SCN/87697/052: Left Hand Side of EUT Facing Phantom WLAN 802.11b 1Mbps CH6**

Date: 21/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8KQ



0 dB = 0.019mW/g

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

Medium: 2450 MHz MSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Left Hand Side of EUT Facing Phantom - Middle/Area Scan (51x111x1):** Measurement grid: dx=15mm, dy=15mm

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

**Left Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.82 V/m; Power Drift = 0.187 dB

Peak SAR (extrapolated) = 0.026 W/kg

**SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00742 mW/g**

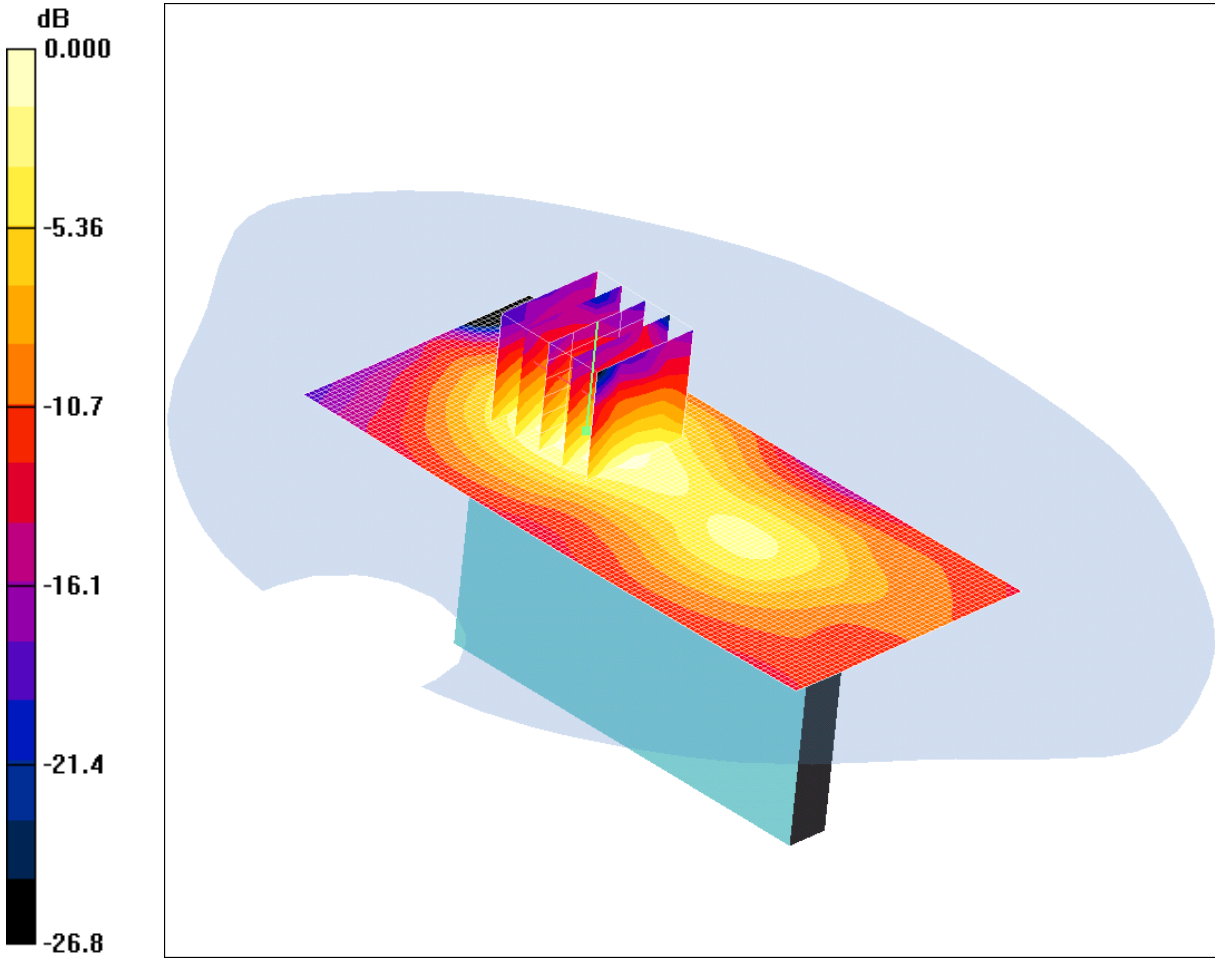
Maximum value of SAR (measured) = 0.019 mW/g

**Note: SAR level measured is very low as equivalent to noise flow.**

SCN/87697/053: Right Hand Side of EUT Facing Phantom WLAN 802.11b 1Mbps CH6

Date: 21/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8KQ



0 dB = 0.096mW/g

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

Medium: 2450 MHz MSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Right Hand Side of EUT Facing Phantom - Middle/Area Scan (51x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.100 mW/g

**Right Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.83 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 0.138 W/kg

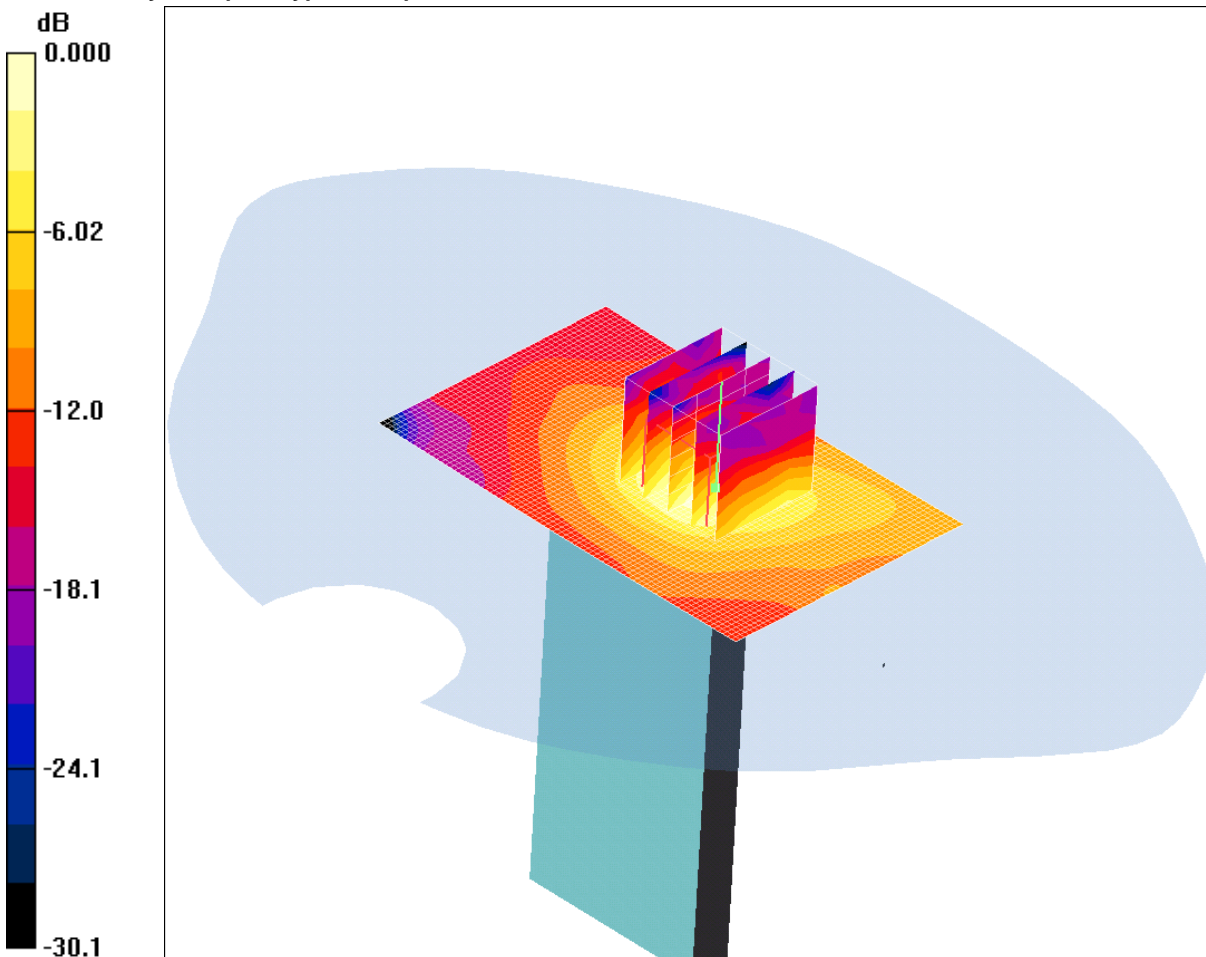
**SAR(1 g) = 0.071 mW/g; SAR(10 g) = 0.038 mW/g**

Maximum value of SAR (measured) = 0.096 mW/g

**SCN/87697/054: Top of EUT Facing Phantom WLAN 802.11b 1Mbps CH6**

Date: 21/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8KQ



0 dB = 0.068mW/g

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

Medium: 2450 MHz MSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Top of EUT Facing Phantom - Middle/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.075 mW/g

**Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.61 V/m; Power Drift = 0.101 dB

Peak SAR (extrapolated) = 0.105 W/kg

**SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.024 mW/g**

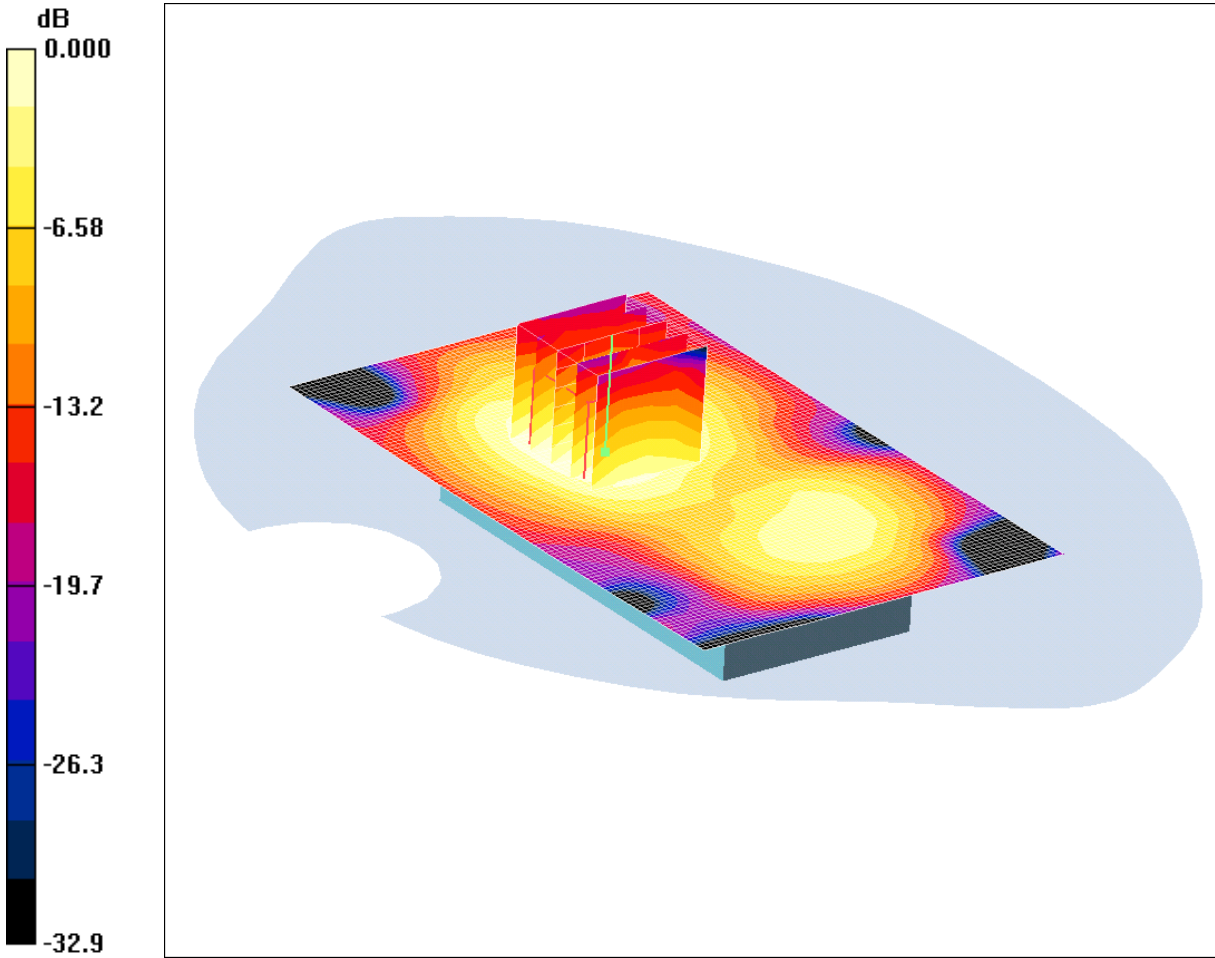
Maximum value of SAR (measured) = 0.068 mW/g



SCN/87697/055: Rear of EUT Facing Phantom WLAN 802.11g 6Mbps CH6

Date: 21/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8KQ



0 dB = 0.116mW/g

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

Medium: 2450 MHz MSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Rear of EUT Facing Phantom - Middle/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.122 mW/g

**Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 2 (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.59 V/m; Power Drift = 0.060 dB

Peak SAR (extrapolated) = 0.165 W/kg

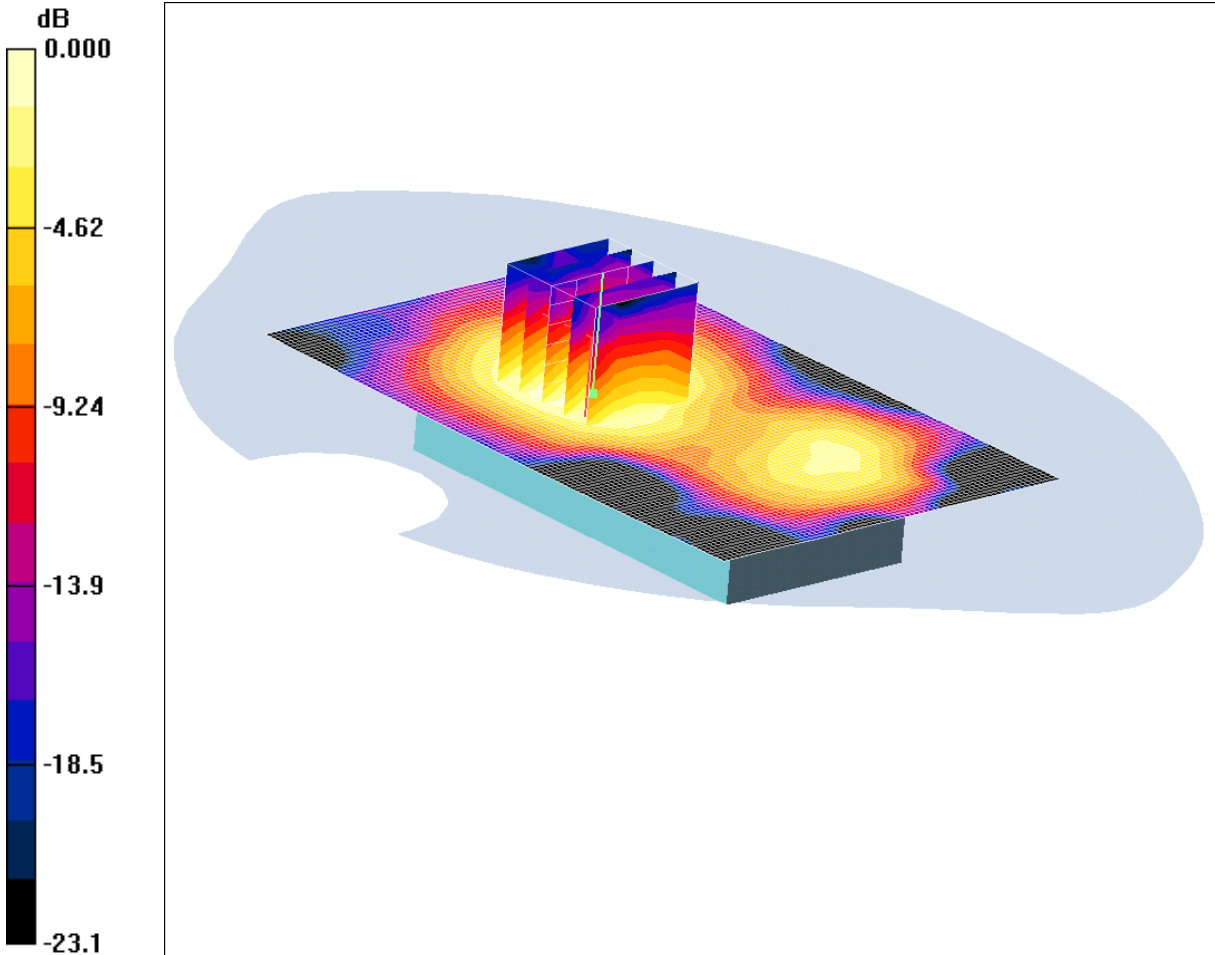
**SAR(1 g) = 0.092 mW/g; SAR(10 g) = 0.052 mW/g**

Maximum value of SAR (measured) = 0.116 mW/g

SCN/87697/056: Rear of EUT Facing Phantom WLAN 802.11n 6\_5Mbps CH6

Date: 21/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8KQ



0 dB = 0.111mW/g

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

Medium: 2450 MHz MSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Rear of EUT Facing Phantom - Middle/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

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

**Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 2 (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.91 V/m; Power Drift = 0.119 dB

Peak SAR (extrapolated) = 0.157 W/kg

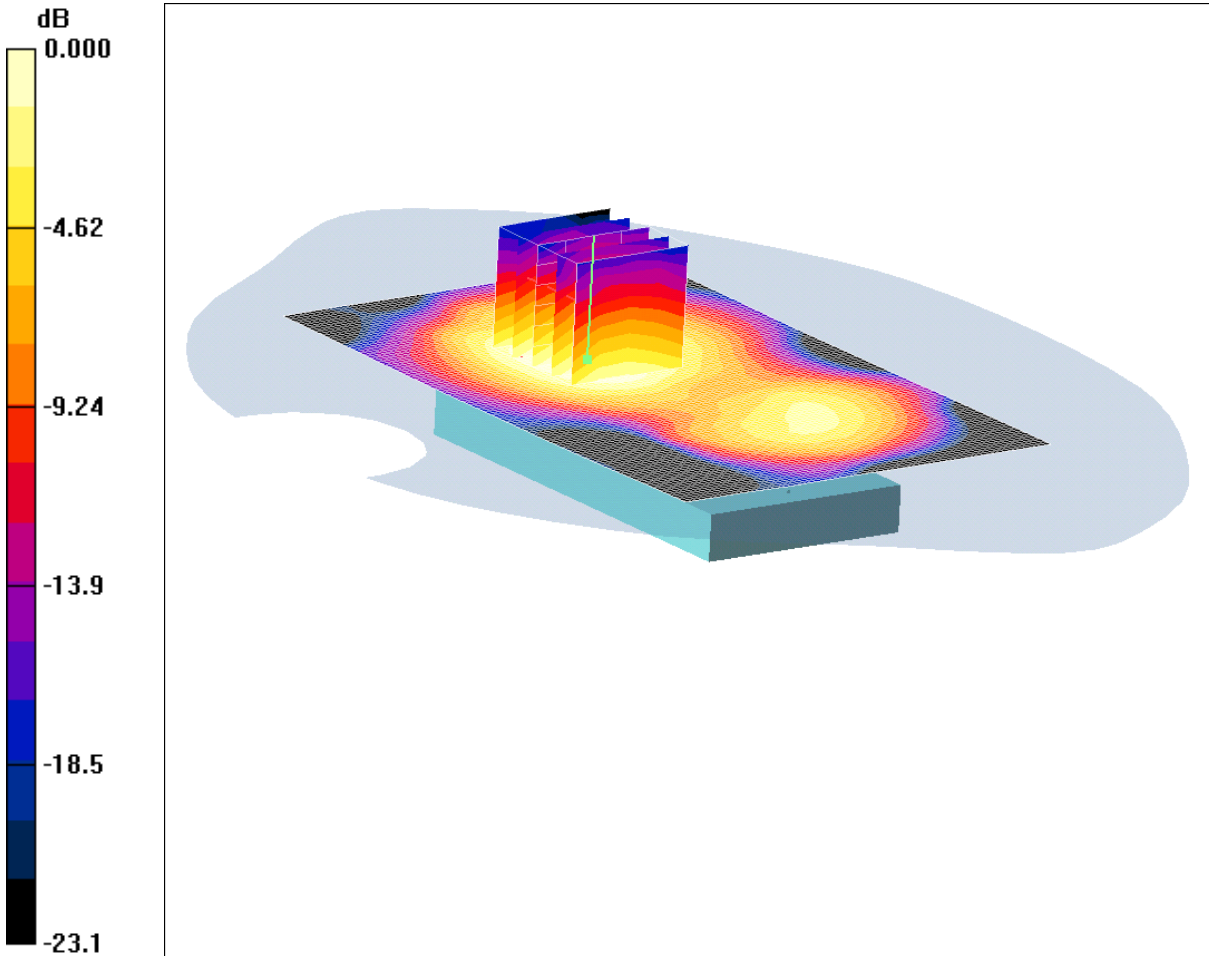
**SAR(1 g) = 0.086 mW/g; SAR(10 g) = 0.048 mW/g**

Maximum value of SAR (measured) = 0.111 mW/g

SCN/87697/057: Rear of EUT Facing Phantom WLAN 802.11b 1Mbps CH1

Date: 21/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8KQ



0 dB = 0.130mW/g

Communication System: WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Rear of EUT Facing Phantom - Low/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.141 mW/g

**Rear of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 2 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.53 V/m; Power Drift = 0.063 dB

Peak SAR (extrapolated) = 0.186 W/kg

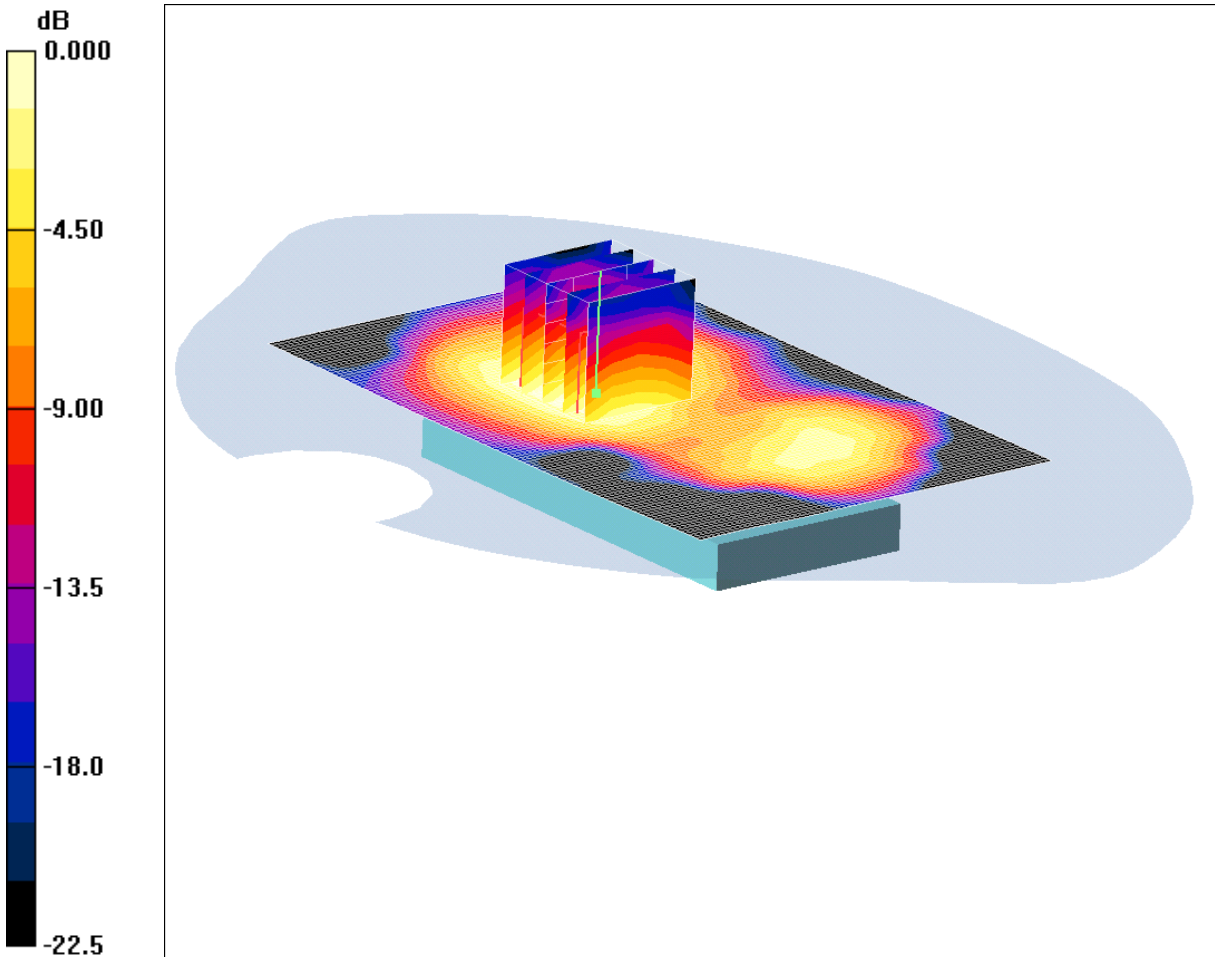
**SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.060 mW/g**

Maximum value of SAR (measured) = 0.130 mW/g

SCN/87697/058: Rear of EUT Facing Phantom WLAN 802.11b 1Mbps CH11

Date: 21/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8KQ



0 dB = 0.124mW/g

Communication System: WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 2.03$  mho/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Rear of EUT Facing Phantom - High/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.127 mW/g

**Rear of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 2 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.85 V/m; Power Drift = -0.095 dB

Peak SAR (extrapolated) = 0.176 W/kg

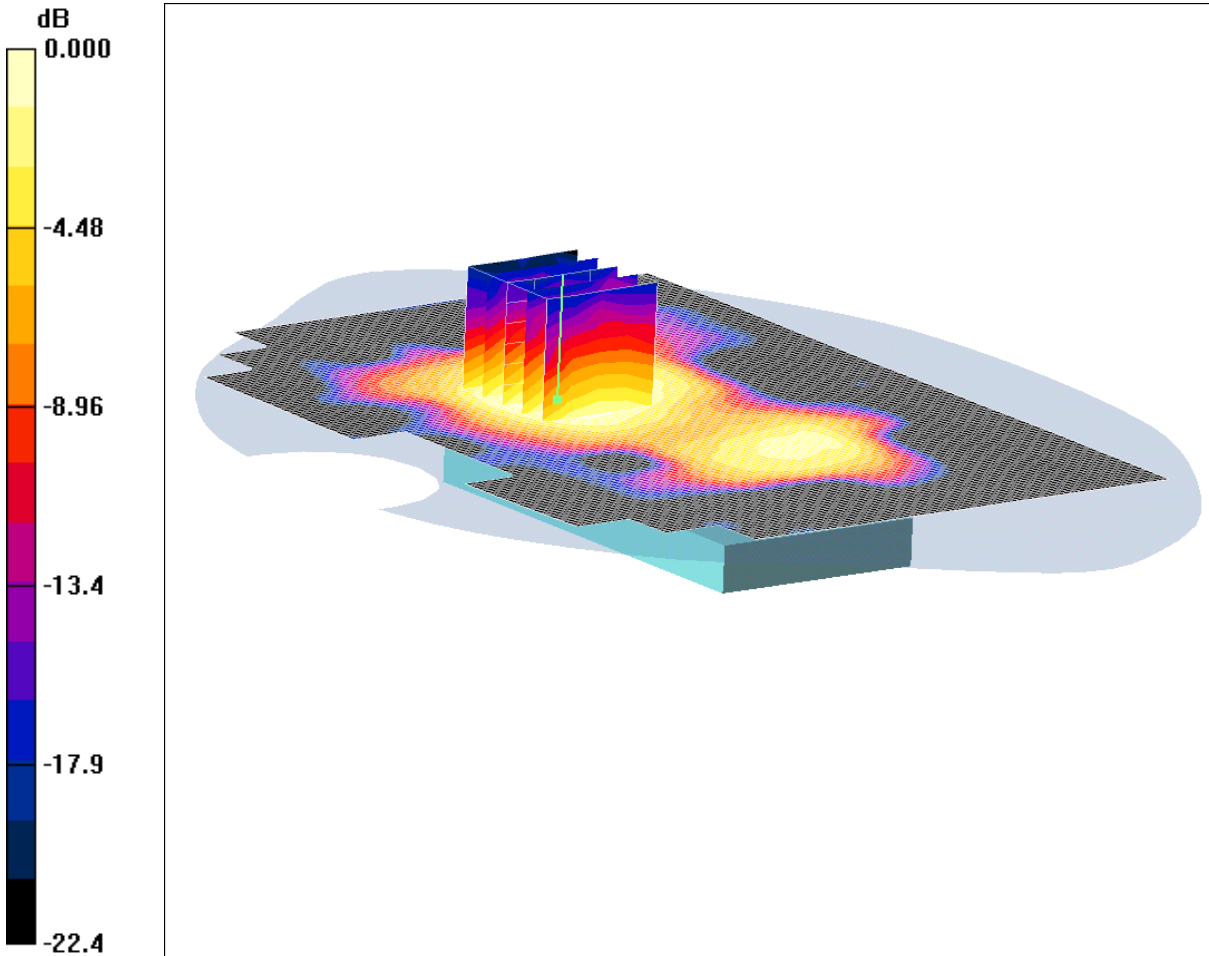
**SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.055 mW/g**

Maximum value of SAR (measured) = 0.124 mW/g

SCN/87697/059: Rear of EUT Facing Phantom with PHF WLAN 802.11b 1Mbps CH1

Date: 21/04/2012

DUT: Sony Kumquat; Type: Kumquat 18; Serial: BX902ST8KQ



0 dB = 0.097mW/g

Communication System: WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011

- Sensor-Surface: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Rear of EUT Facing Phantom with PHF- Low/Area Scan (101x141x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.105 mW/g

**Rear of EUT Facing Phantom with PHF- Low/Zoom Scan (5x5x7) 2 2 2 (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.61 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 0.137 W/kg

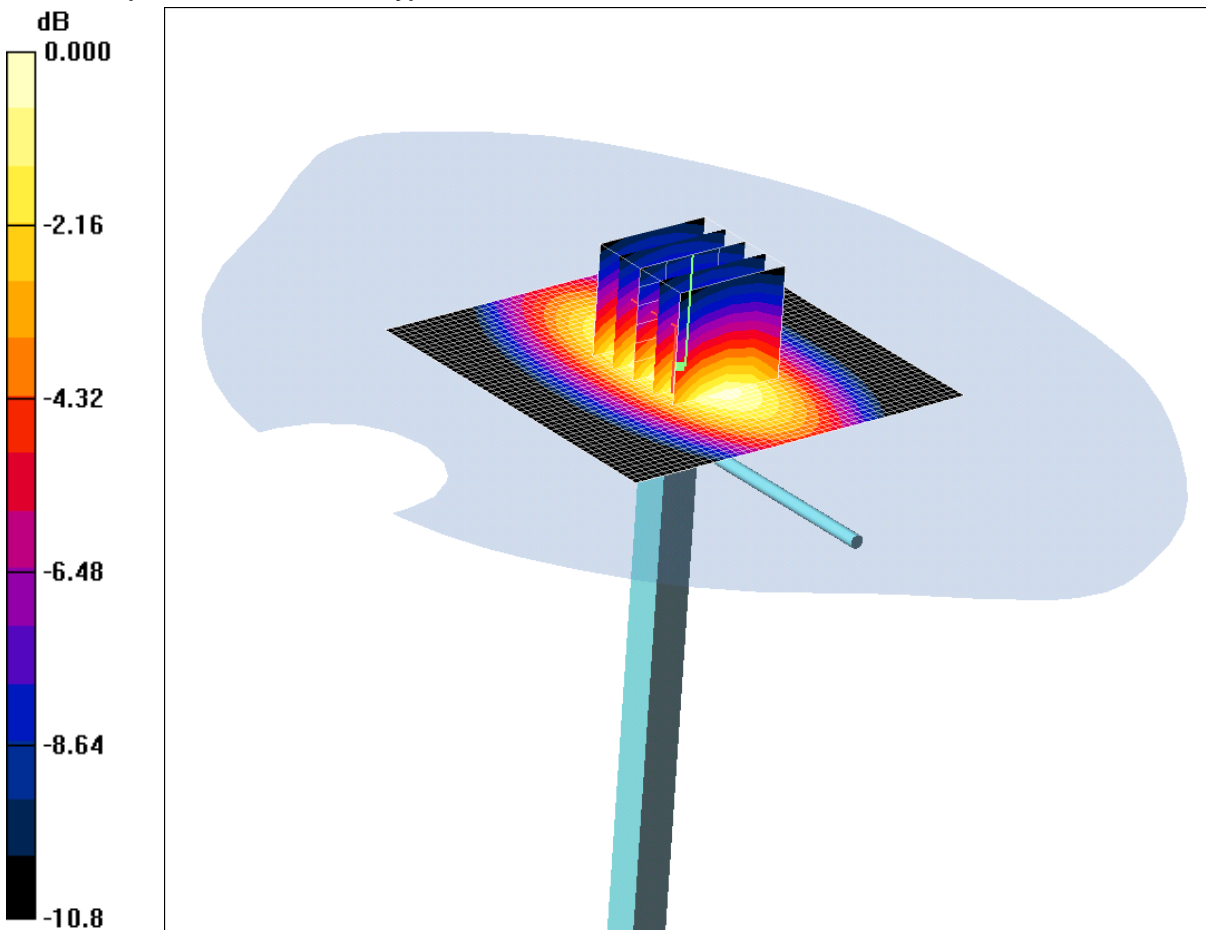
**SAR(1 g) = 0.075 mW/g; SAR(10 g) = 0.043 mW/g**

Maximum value of SAR (measured) = 0.097 mW/g

SCN/87697/060: System Performance Check 900MHz Head 17 04 12

Date: 17/04/2012

DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124



0 dB = 3.03mW/g

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: 900 MHz HSL Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 0.945 \text{ mho/m}$ ;  $\epsilon_r = 42.9$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.75, 8.75, 8.75); Calibrated: 22/09/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn394; Calibrated: 26/01/2012
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**d=15mm, Pin=250mW/Area Scan (51x51x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 3.05 mW/g

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

Reference Value = 56.8 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 4.24 W/kg

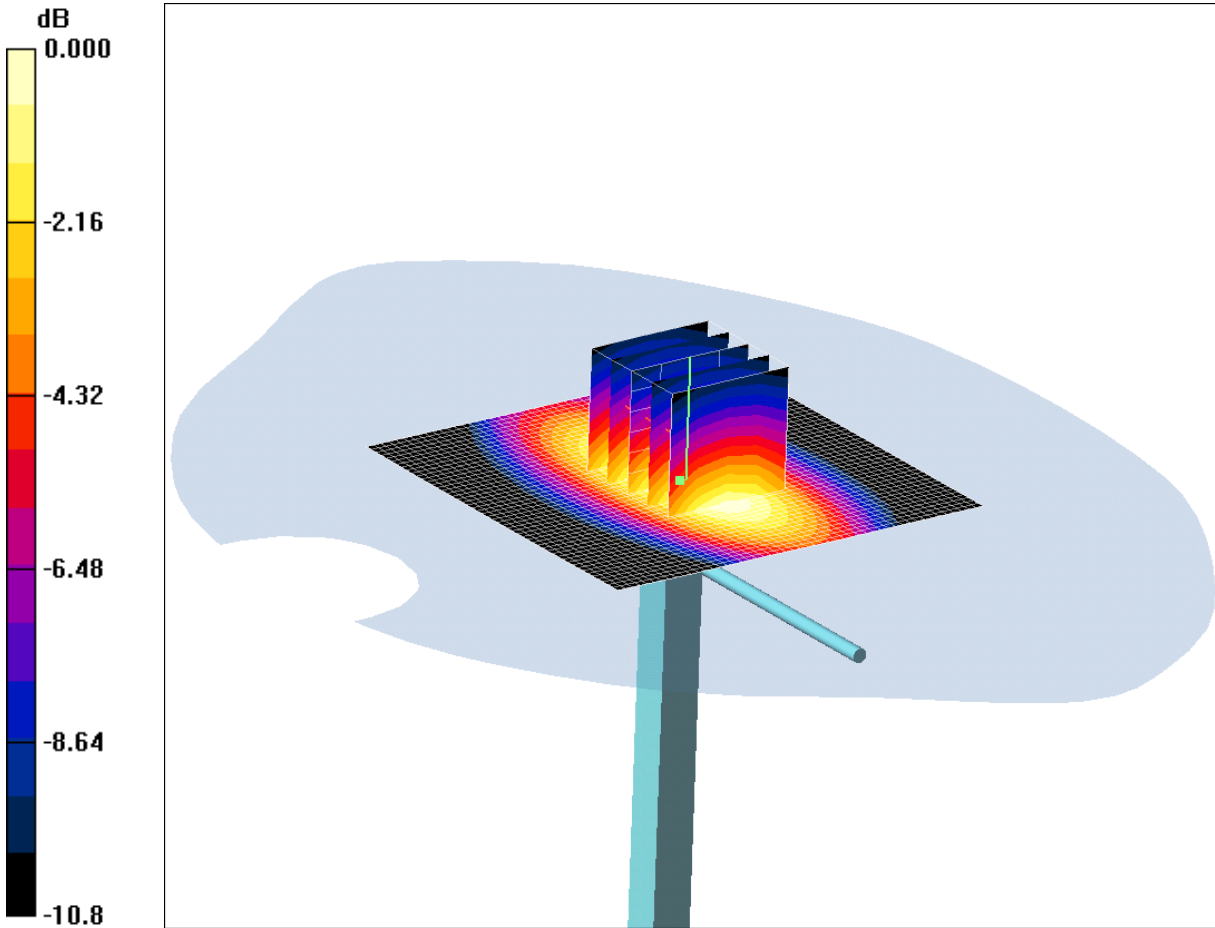
**SAR(1 g) = 2.8 mW/g; SAR(10 g) = 1.82 mW/g**

Maximum value of SAR (measured) = 3.03 mW/g

SCN/87697/061: System Performance Check 900MHz Body 18 04 12

Date: 18/04/2012

DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124



0 dB = 3.10mW/g

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 1.04 \text{ mho/m}$ ;  $\epsilon_r = 52.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.92, 8.92, 8.92); Calibrated: 22/09/2011

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

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**d=15mm, Pin=250mW/Area Scan (51x51x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 3.26 mW/g

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

Reference Value = 54.6 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 4.34 W/kg

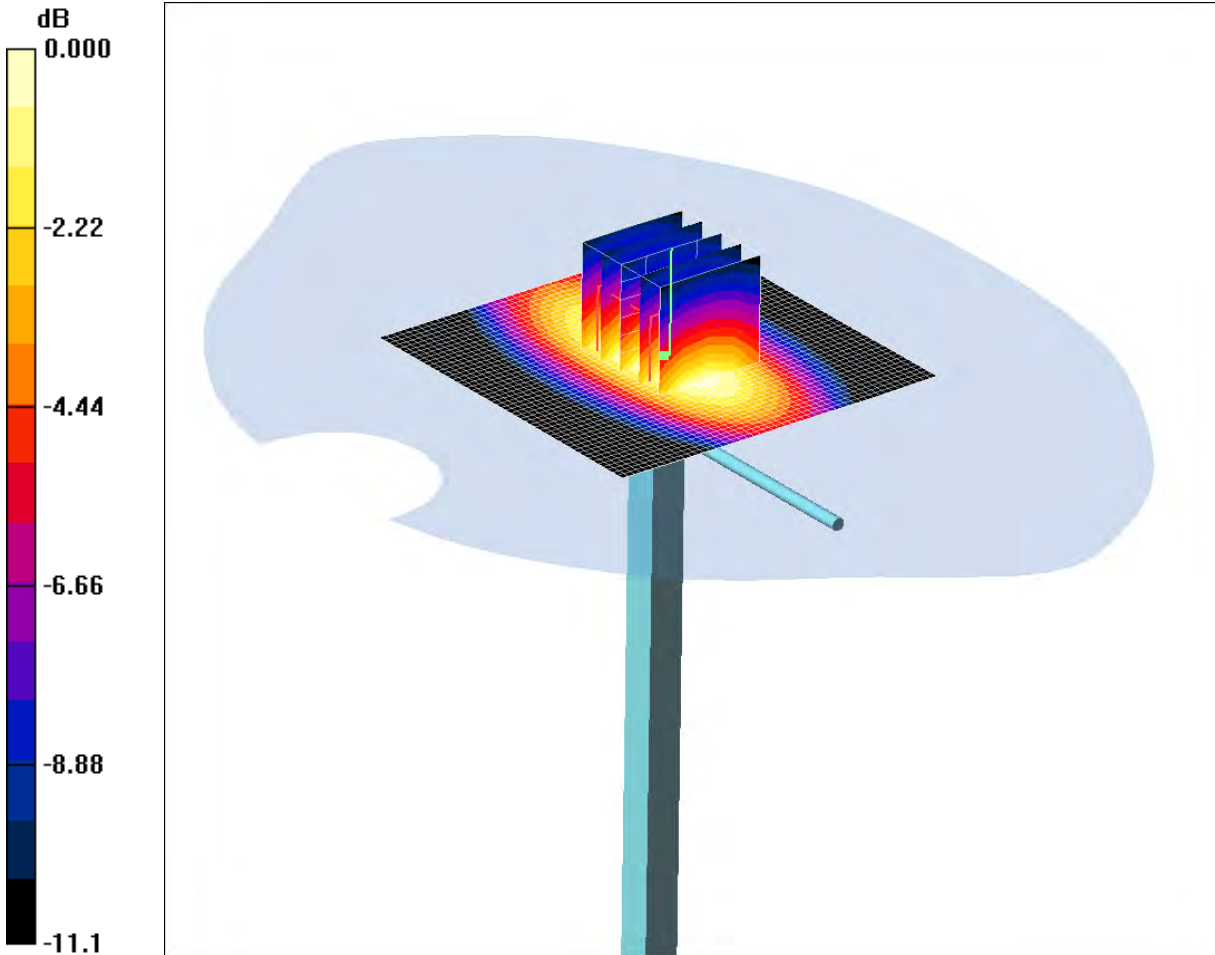
**SAR(1 g) = 2.87 mW/g; SAR(10 g) = 1.86 mW/g**

Maximum value of SAR (measured) = 3.10 mW/g

**SCN/87697/062: System Performance Check 900MHz Body 20 04 12**

Date: 20/04/2012

DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124



0 dB = 2.94mW/g

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 1.04 \text{ mho/m}$ ;  $\epsilon_r = 52.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.92, 8.92, 8.92); Calibrated: 22/09/2011

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

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**d=15mm, Pin=250mW/Area Scan (51x51x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 3.07 mW/g

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

Reference Value = 53.4 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 4.20 W/kg

**SAR(1 g) = 2.76 mW/g; SAR(10 g) = 1.78 mW/g**

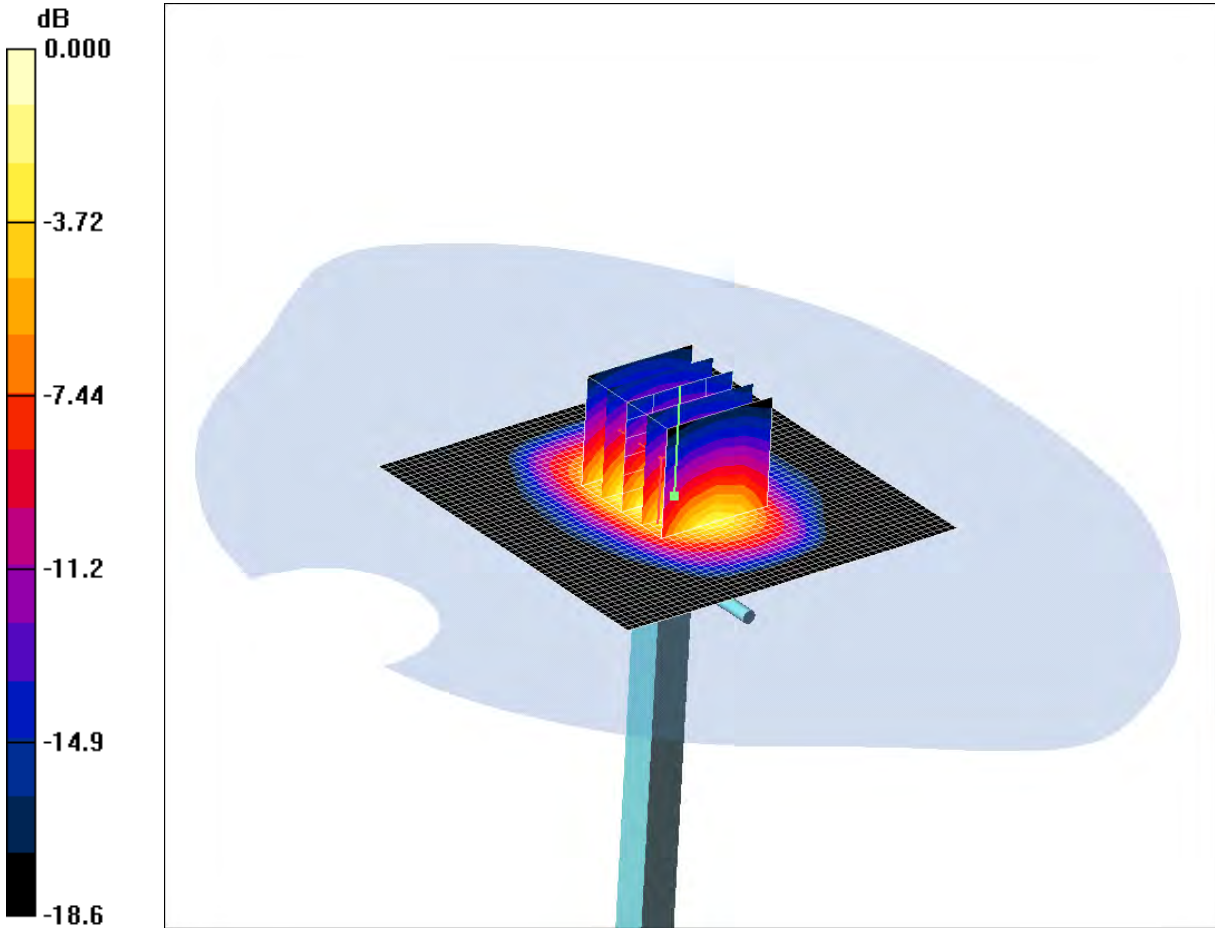
Maximum value of SAR (measured) = 2.94 mW/g



SCN/87697/063: System Performance Check 1900MHz Head 18 04 12

Date: 18/04/2012

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540



0 dB = 11.4mW/g

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 MHz HSL Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.45 \text{ mho/m}$ ;  $\epsilon_r = 38.8$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.78, 7.78, 7.78); Calibrated: 22/09/2011

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

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**d=10mm, Pin=250mW/Area Scan (51x51x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 15.4 mW/g

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

Reference Value = 88.0 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 19.5 W/kg

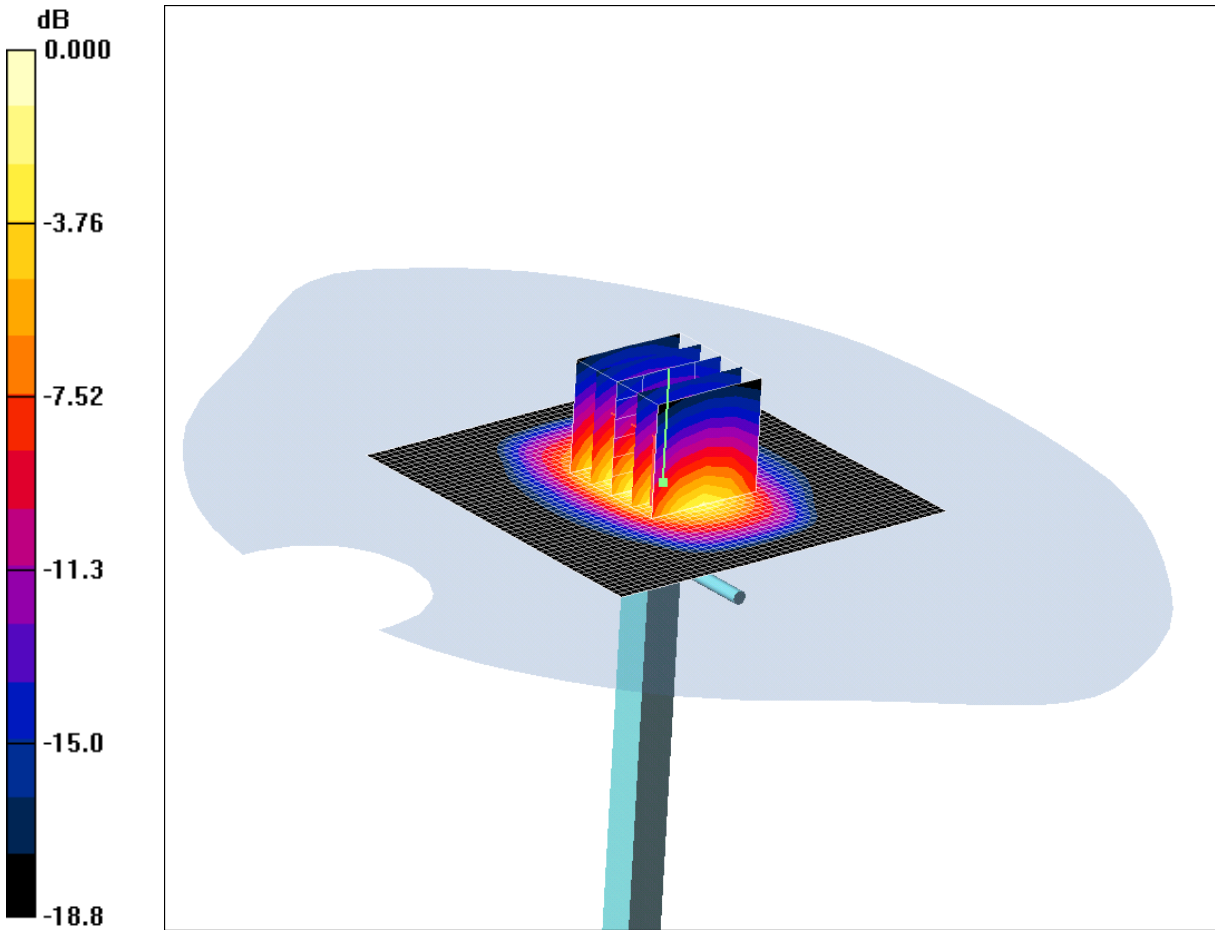
**SAR(1 g) = 10.2 mW/g; SAR(10 g) = 5.21 mW/g**

Maximum value of SAR (measured) = 11.4 mW/g

SCN/87697/064: System Performance Check 1900MHz Head 19 04 12

Date: 19/04/2012

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540



0 dB = 11.1mW/g

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 MHz HSL Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.45 \text{ mho/m}$ ;  $\epsilon_r = 38.8$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.78, 7.78, 7.78); Calibrated: 22/09/2011

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

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**d=10mm, Pin=250mW/Area Scan (51x51x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 14.6 mW/g

**d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 86.6 V/m; Power Drift = 0.082 dB

Peak SAR (extrapolated) = 19.1 W/kg

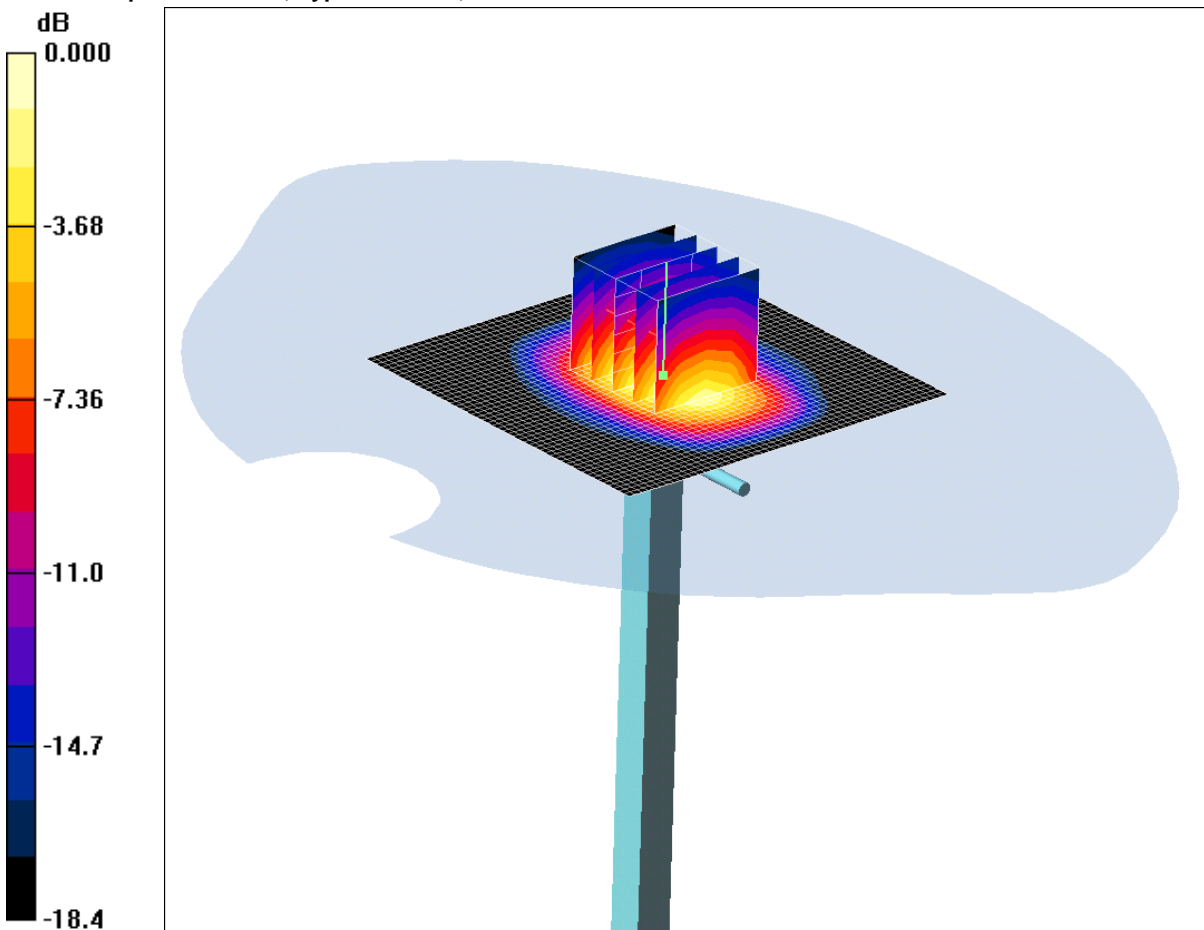
**SAR(1 g) = 9.99 mW/g; SAR(10 g) = 5.08 mW/g**

Maximum value of SAR (measured) = 11.1 mW/g

SCN/87697/065: System Performance Check 1900MHz Body 19 04 12

Date: 19/04/2012

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540



0 dB = 11.3mW/g

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 MHz MSL Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.59 \text{ mho/m}$ ;  $\epsilon_r = 51.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.31, 7.31, 7.31); Calibrated: 22/09/2011

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

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**d=10mm, Pin=250mW/Area Scan (51x51x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 14.7 mW/g

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

Reference Value = 84.4 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 18.4 W/kg

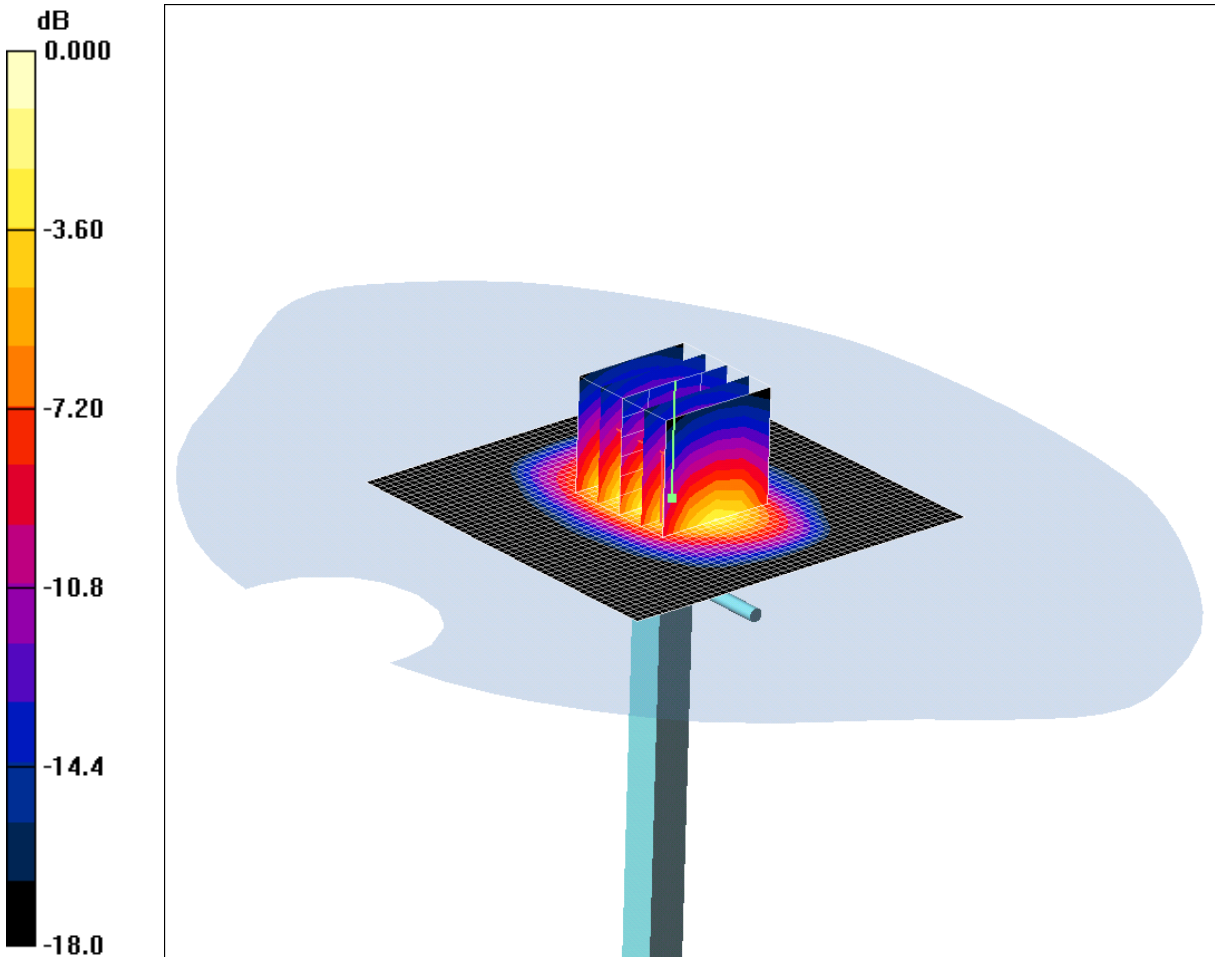
**SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.27 mW/g**

Maximum value of SAR (measured) = 11.3 mW/g

SCN/87697/066: System Performance Check 1900MHz Body 20 04 12

Date: 20/04/2012

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540



0 dB = 11.6mW/g

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 MHz MSL Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.59 \text{ mho/m}$ ;  $\epsilon_r = 51.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.31, 7.31, 7.31); Calibrated: 22/09/2011

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

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**d=10mm, Pin=250mW/Area Scan (51x51x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 15.0 mW/g

**d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 84.5 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 19.6 W/kg

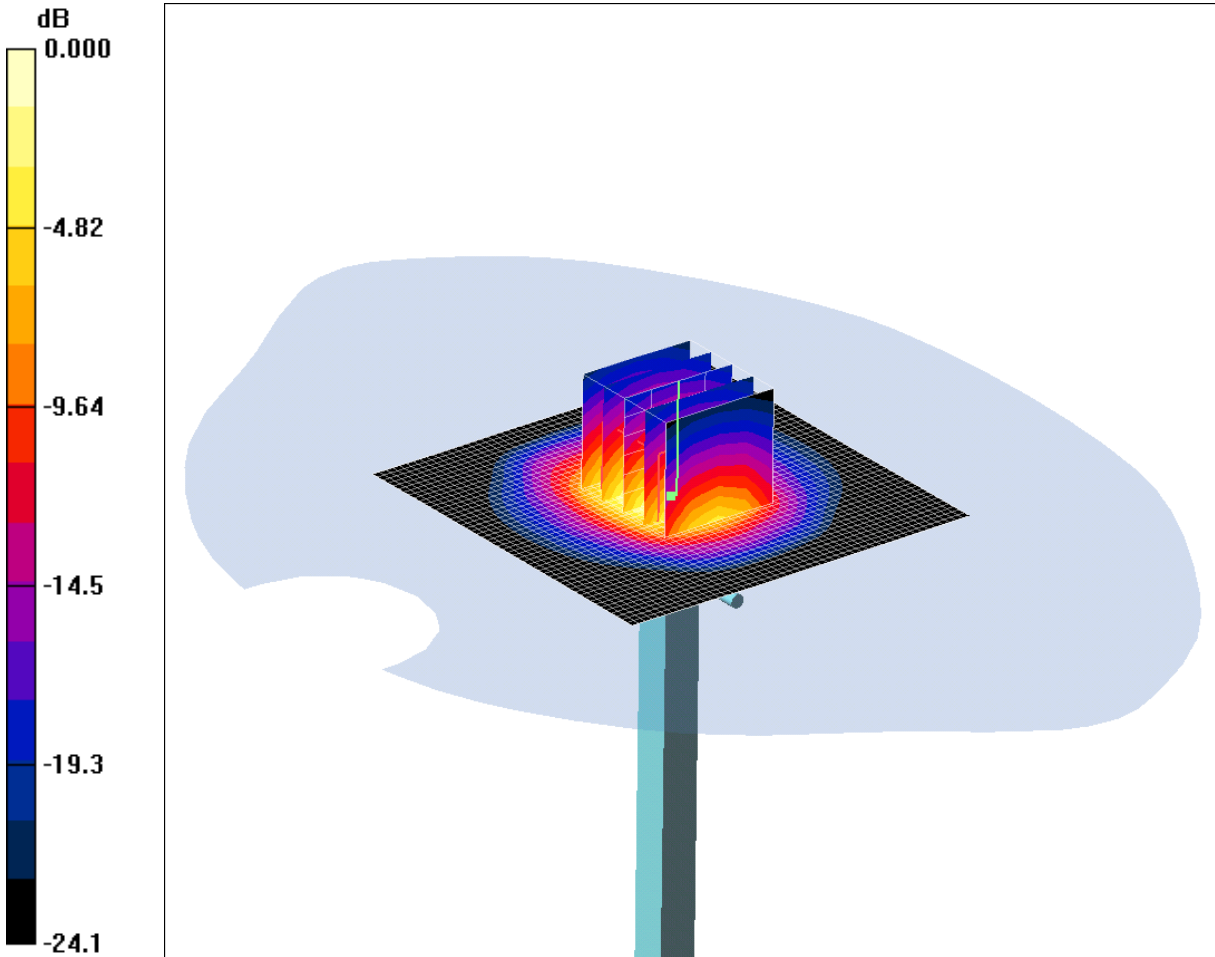
**SAR(1 g) = 10.4 mW/g; SAR(10 g) = 5.35 mW/g**

Maximum value of SAR (measured) = 11.6 mW/g

SCN/87697/067: System Performance Check 2450MHz Head 21 04 12

Date: 21/04/2012

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:725



0 dB = 14.4mW/g

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450 MHz HSL Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.84$  mho/m;  $\epsilon_r = 38.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.02, 7.02, 7.02); Calibrated: 22/09/2011

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

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**d=10mm, Pin=250mW 2/Area Scan (51x51x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 20.8 mW/g

**d=10mm, Pin=250mW 2/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 88.7 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 28.3 W/kg

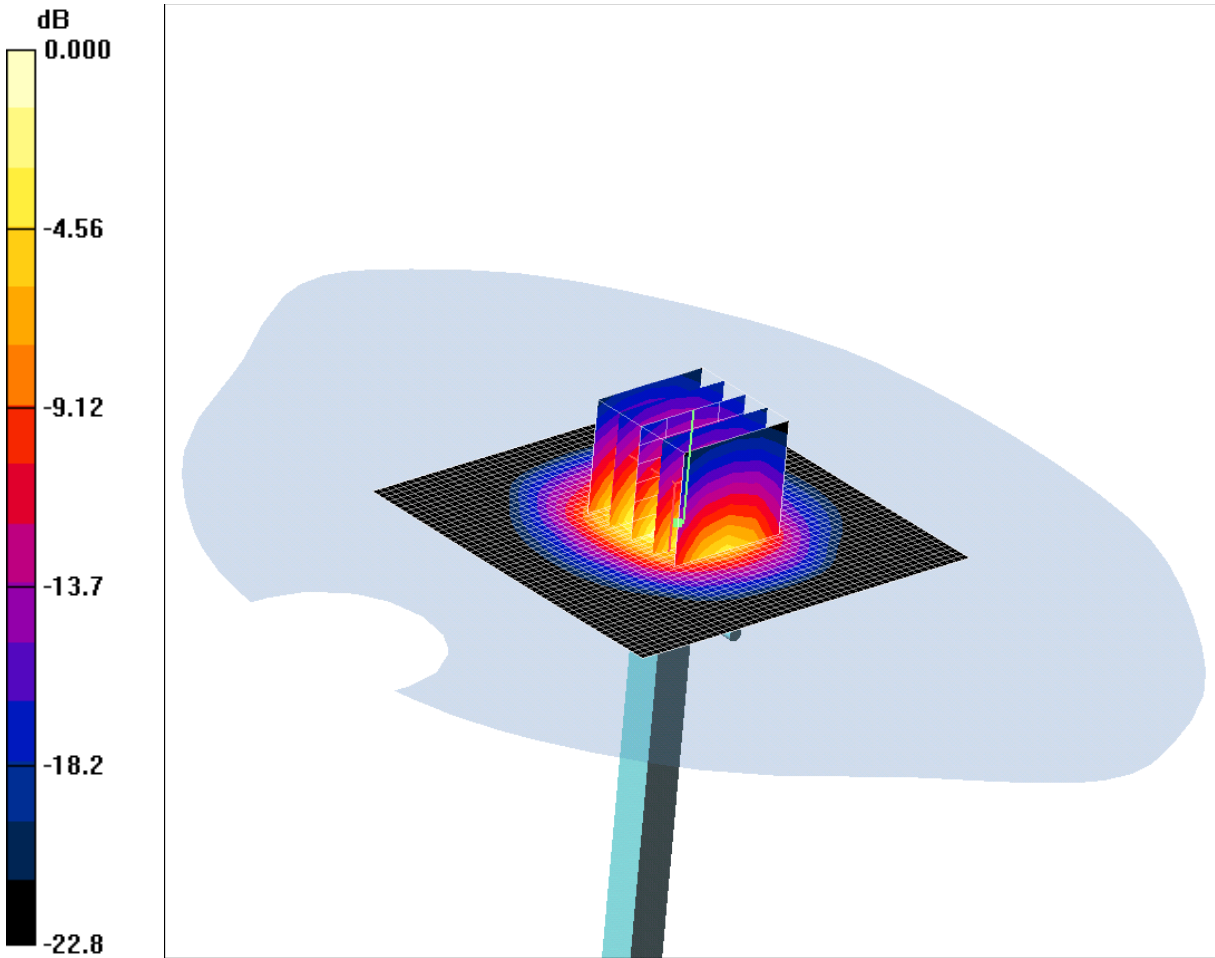
**SAR(1 g) = 13 mW/g; SAR(10 g) = 5.9 mW/g**

Maximum value of SAR (measured) = 14.4 mW/g

SCN/87697/068: System Performance Check 2450MHz Body 21 04 12

Date: 21/04/2012

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:725



0 dB = 14.0mW/g

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 2.01 \text{ mho/m}$ ;  $\epsilon_r = 51.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.15, 7.15, 7.15); Calibrated: 22/09/2011

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

- Electronics: DAE3 Sn394; Calibrated: 26/01/2012

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**d=10mm, Pin=250mW/Area Scan 2 (51x51x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 17.7 mW/g

**d=10mm, Pin=250mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 82.7 V/m; Power Drift = -0.009 dB

Peak SAR (extrapolated) = 25.1 W/kg

**SAR(1 g) = 12.4 mW/g; SAR(10 g) = 5.74 mW/g**

Maximum value of SAR (measured) = 14.0 mW/g