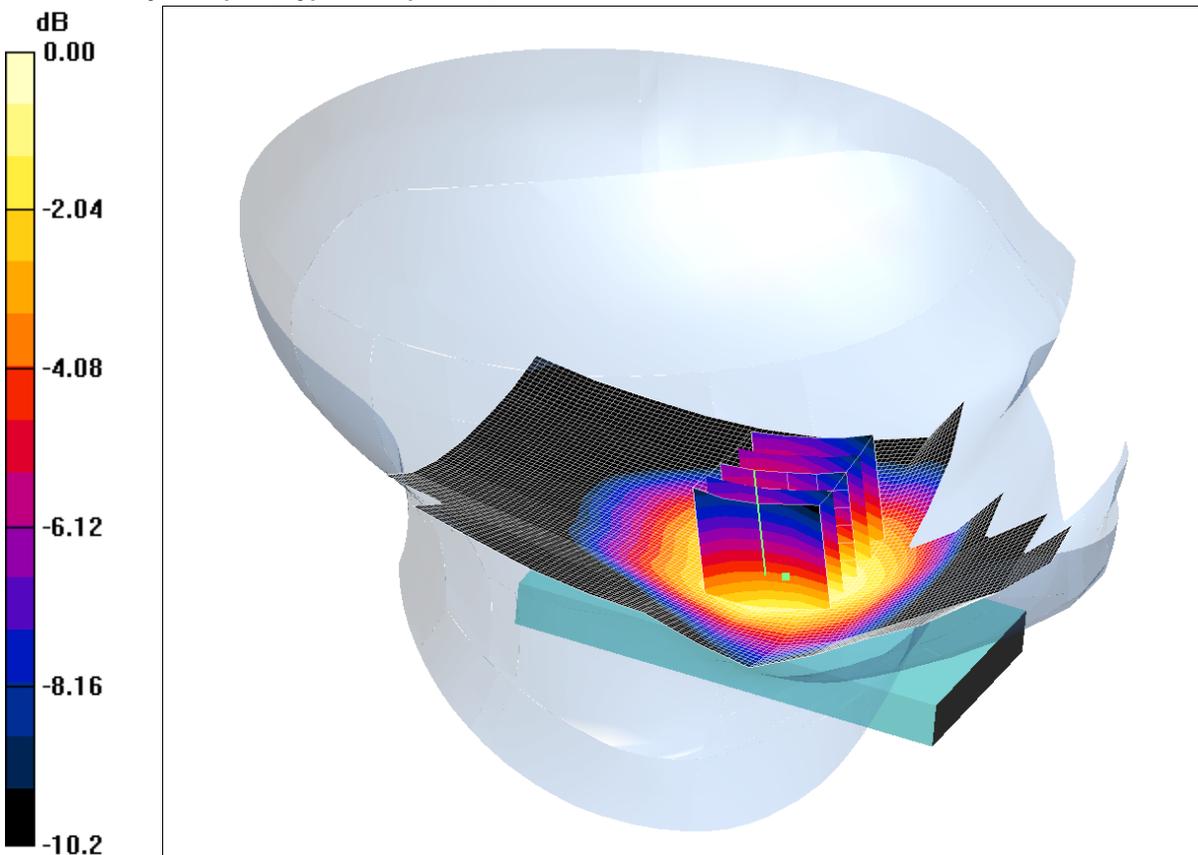


SCN/87696/066: Touch Left UMTS FDD V CH4233

Date: 24/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 1.11mW/g

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

Medium: 900 MHz HSL Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 0.904$  mho/m;  $\epsilon_r = 43.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

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

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

Reference Value = 13.7 V/m; Power Drift = 0.059 dB

Peak SAR (extrapolated) = 1.37 W/kg

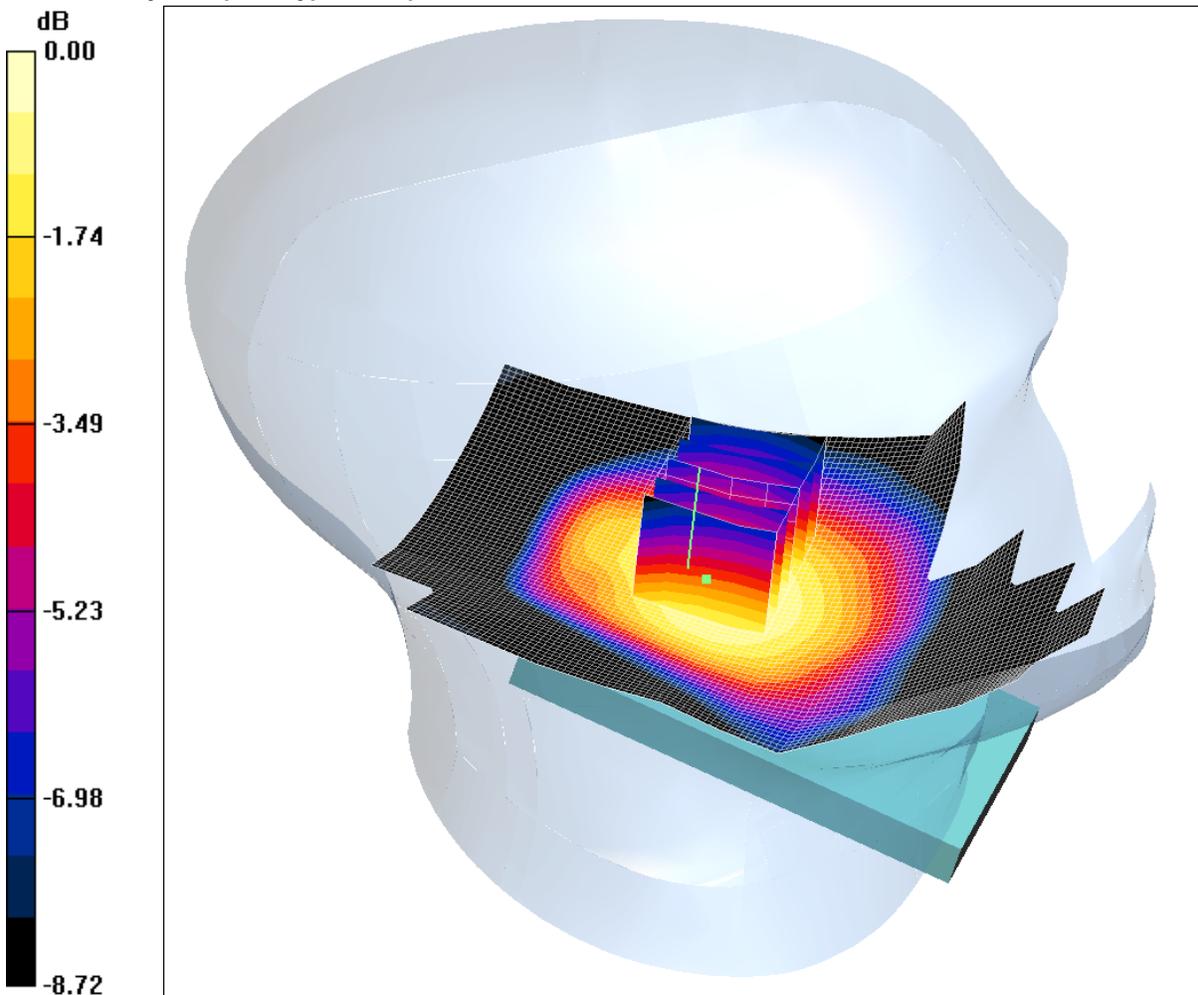
**SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.803 mW/g**

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

SCN/87696/067: Tilt Left UMTS FDD V CH4183

Date 24/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 0.590mW/g

Communication System: UMTS-FDD V; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 900 MHz HSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.898$  mho/m;  $\epsilon_r = 43.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 05/05/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

Maximum value of SAR (interpolated) = 0.575 mW/g

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

Reference Value = 19.6 V/m; Power Drift = 0.163 dB

Peak SAR (extrapolated) = 0.678 W/kg

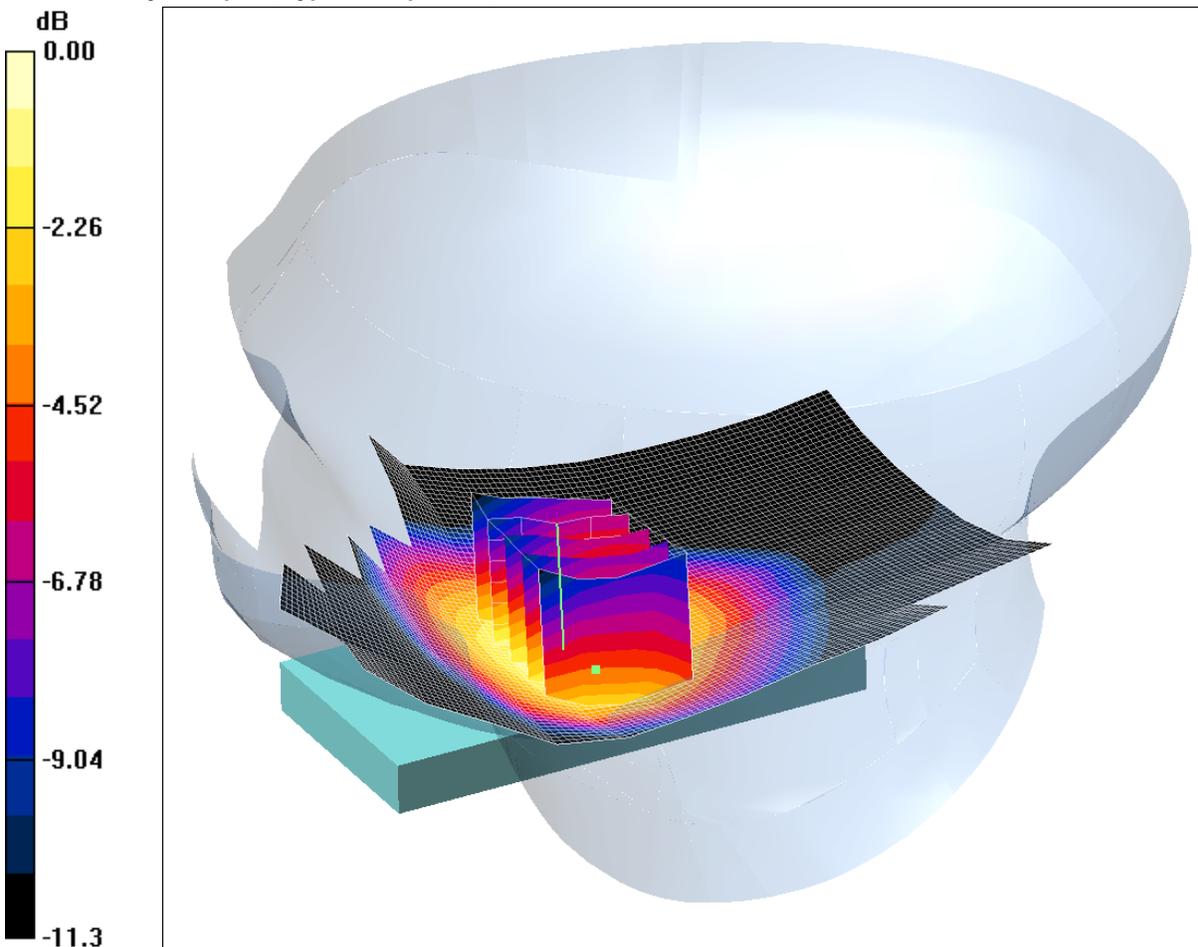
**SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.420 mW/g**

Maximum value of SAR (measured) = 0.590 mW/g

SCN/87696/068: Touch Right UMTS FDD V CH4183

Date 24/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 1.39mW/g

Communication System: UMTS-FDD V; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 900 MHz HSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.898$  mho/m;  $\epsilon_r = 43.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

Maximum value of SAR (interpolated) = 1.37 mW/g

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

Reference Value = 14.3 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 1.74 W/kg

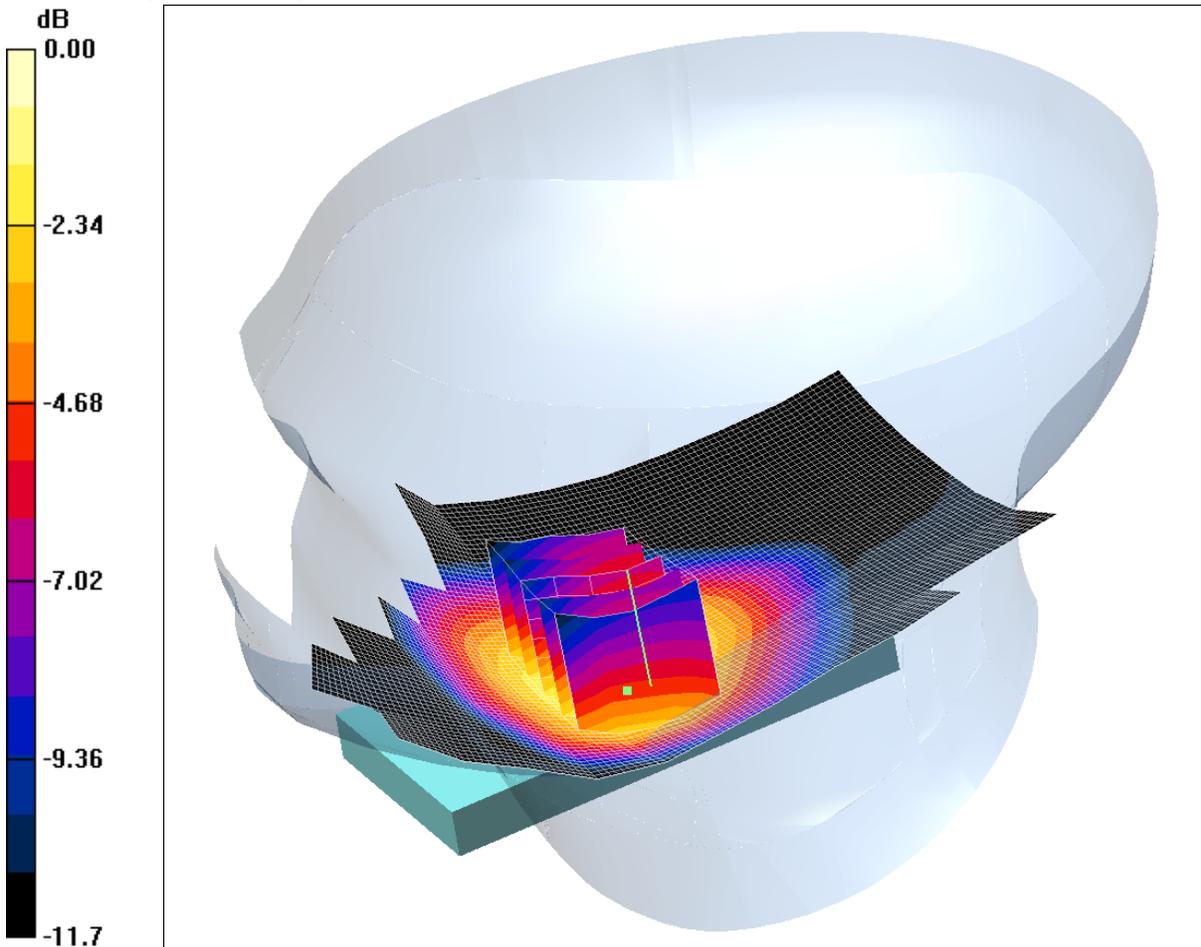
**SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.938 mW/g**

Maximum value of SAR (measured) = 1.39 mW/g

SCN/87696/069: Touch Right UMTS FDD V CH4132

Date 24/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 1.26mW/g

Communication System: UMTS-FDD V; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: 900 MHz HSL Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.892$  mho/m;  $\epsilon_r = 43.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

Maximum value of SAR (interpolated) = 1.15 mW/g

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

Reference Value = 13.2 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.72 W/kg

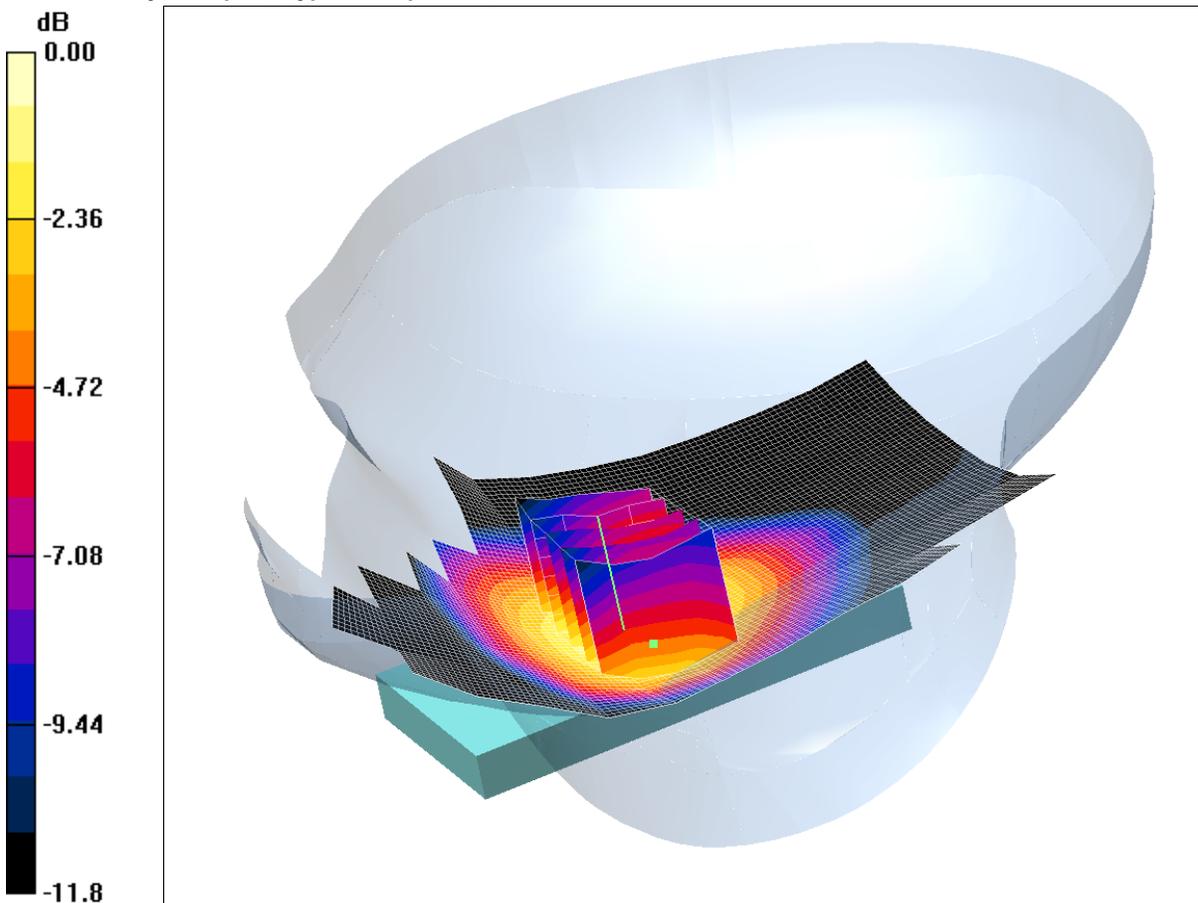
**SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.824 mW/g**

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

SCN/87696/070: Touch Right UMTS FDD V CH4233

Date 24/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 1.41mW/g

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

Medium: 900 MHz HSL Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 0.904$  mho/m;  $\epsilon_r = 43.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

Maximum value of SAR (interpolated) = 1.37 mW/g

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

Reference Value = 14.5 V/m; Power Drift = 0.046 dB

Peak SAR (extrapolated) = 1.80 W/kg

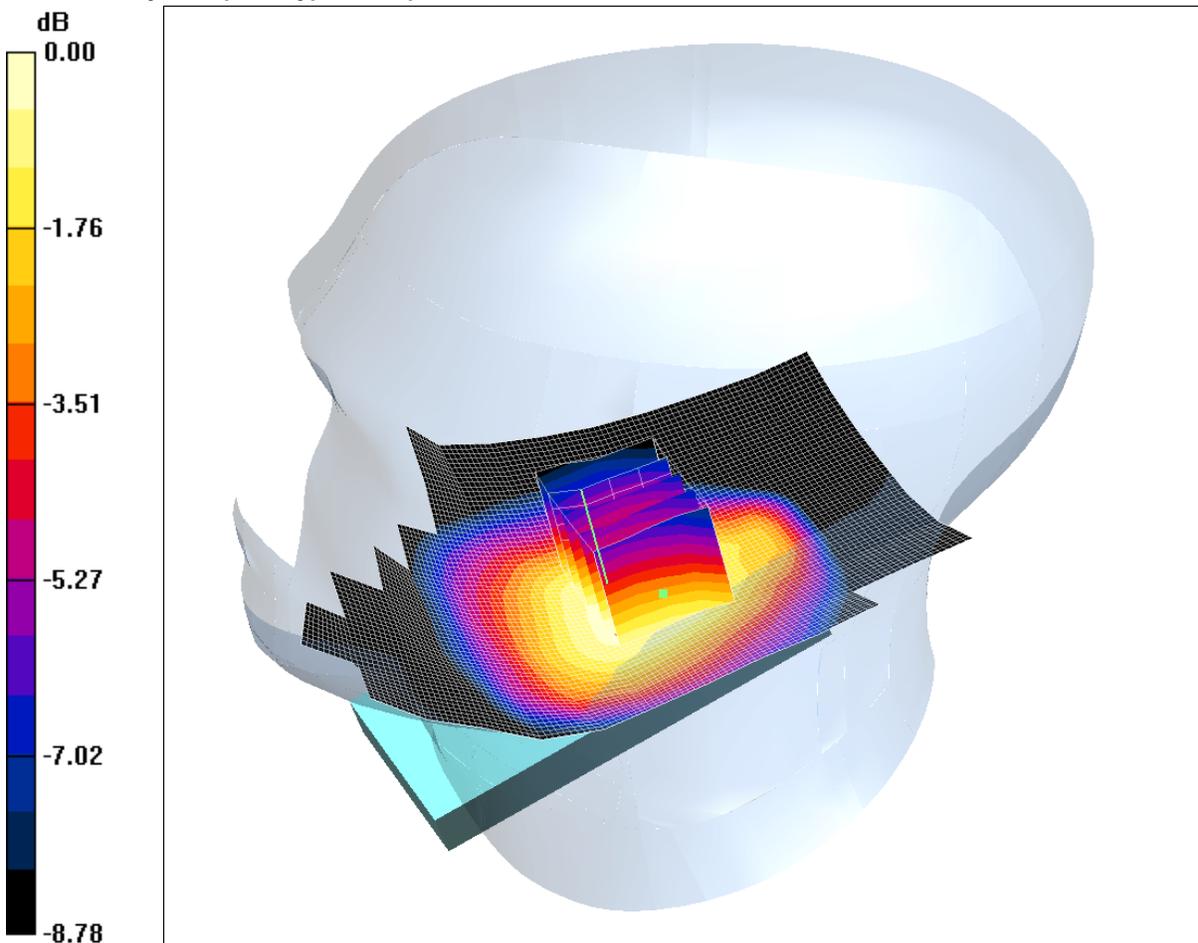
**SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.931 mW/g**

Maximum value of SAR (measured) = 1.41 mW/g

SCN/87696/071: Tilt Right UMTS FDD V CH4183

Date 24/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 0.537mW/g

Communication System: UMTS-FDD V; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 900 MHz HSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.898$  mho/m;  $\epsilon_r = 43.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 05/05/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

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

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

Reference Value = 18.9 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.642 W/kg

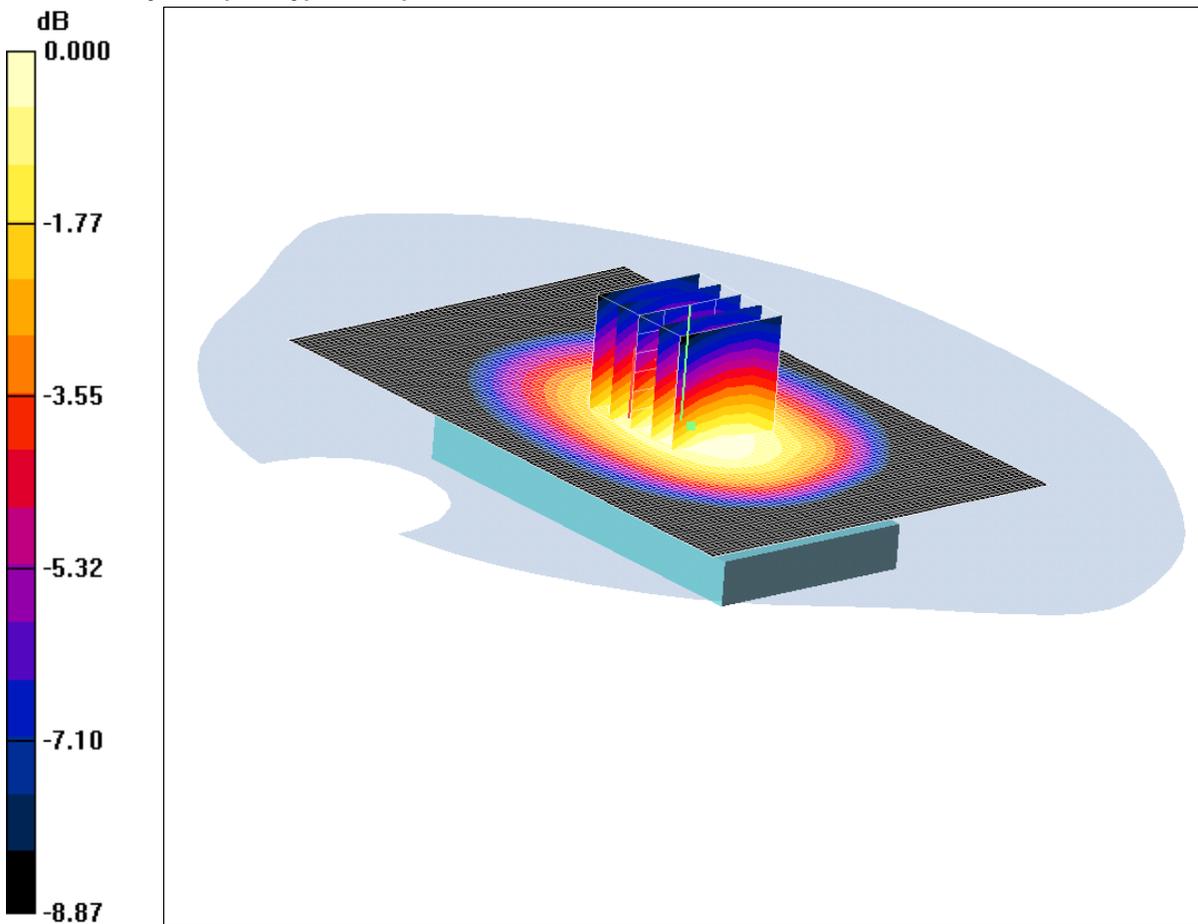
**SAR(1 g) = 0.514 mW/g; SAR(10 g) = 0.399 mW/g**

Maximum value of SAR (measured) = 0.537 mW/g

SCN/87696/072: Front of EUT Facing Phantom UMTS FDDV CH4183

Date: 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 1.09mW/g

Communication System: UMTS-FDD V; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.998$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

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

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

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

dy=8mm, dz=5mm

Reference Value = 34.1 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 1.27 W/kg

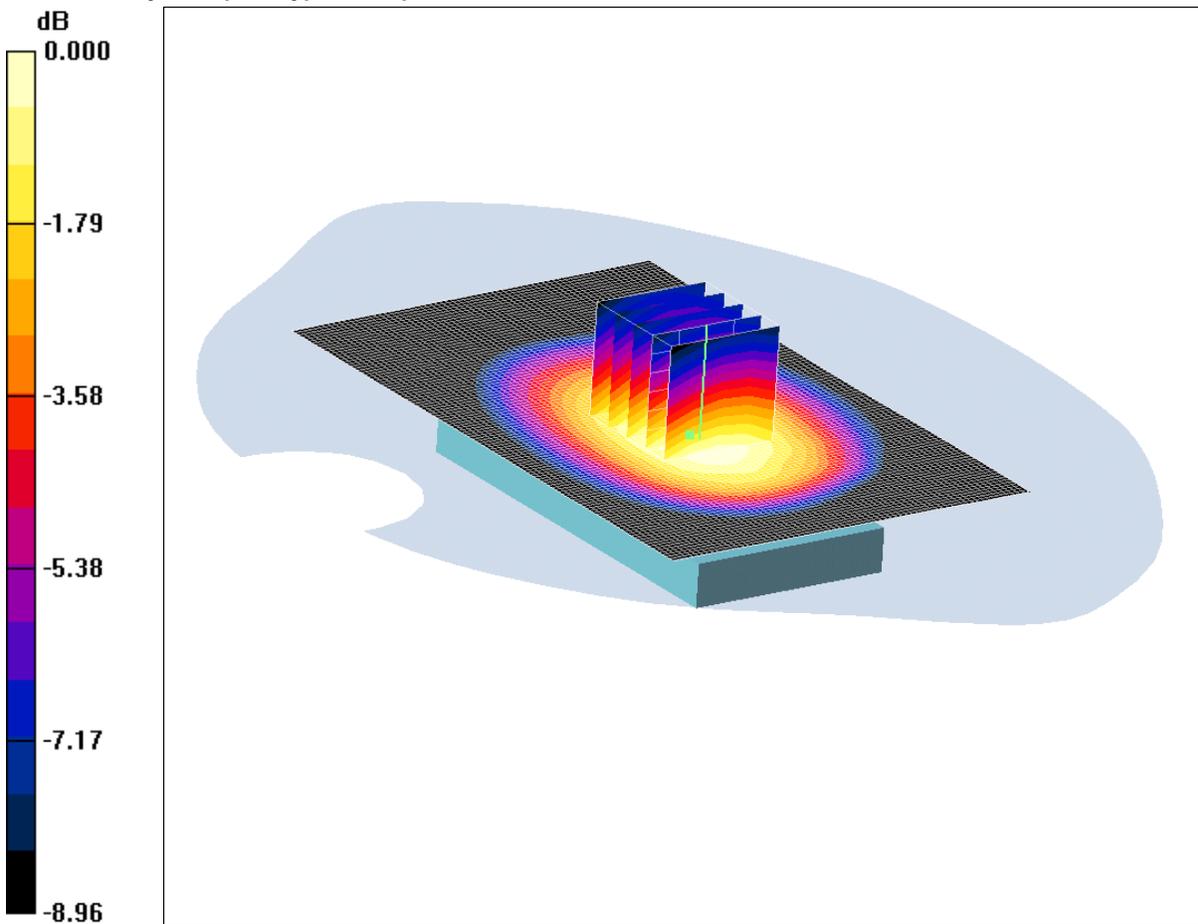
**SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.769 mW/g**

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

SCN/87696/073: Front of EUT Facing Phantom UMTS FDDV CH4132

Date: 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 1.00mW/g

Communication System: UMTS-FDD V; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.992$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

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

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

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

Reference Value = 31.8 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 1.18 W/kg

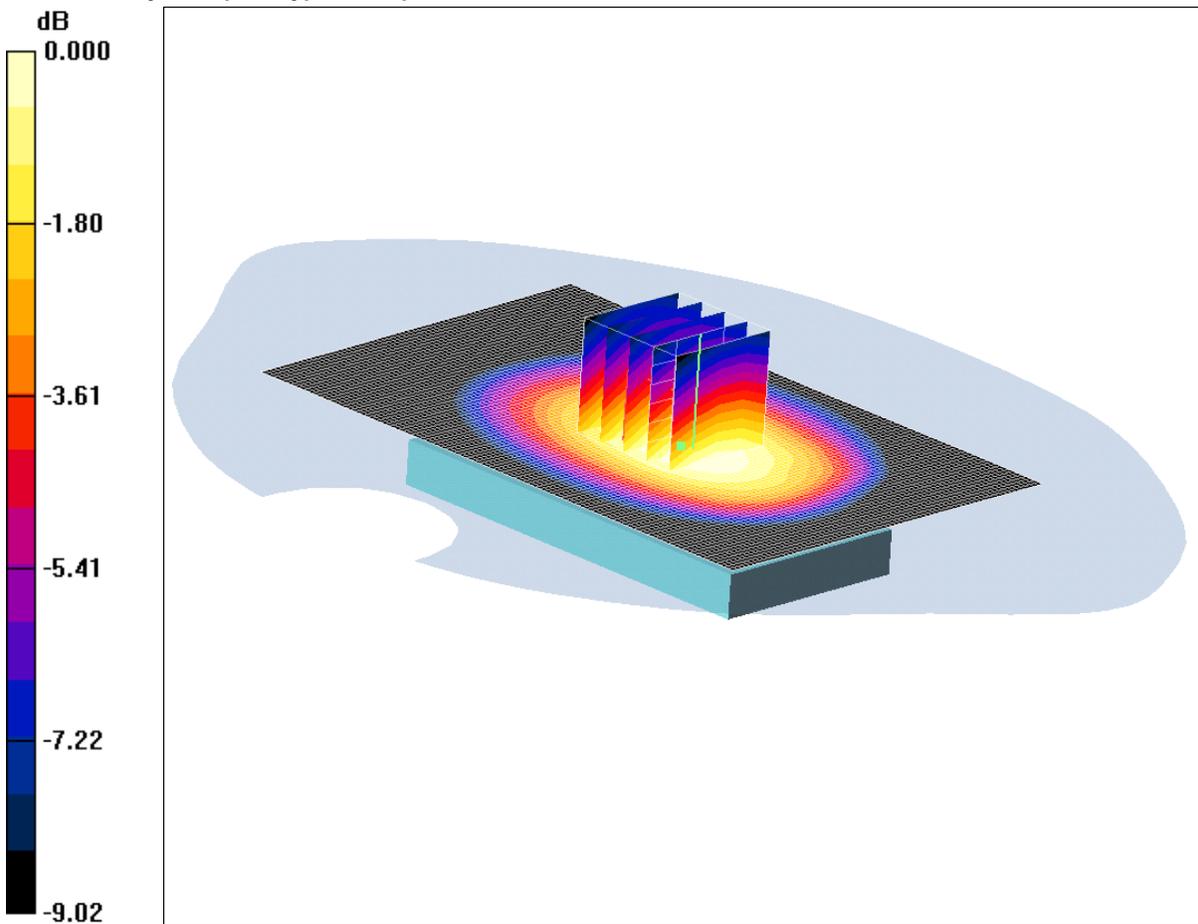
**SAR(1 g) = 0.954 mW/g; SAR(10 g) = 0.709 mW/g**

Maximum value of SAR (measured) = 1.00 mW/g

SCN/87696/074: Front of EUT Facing Phantom UMTS FDDV CH4233

Date: 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 1.03mW/g

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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 846.6 \text{ MHz}$ ;  $\sigma = 1 \text{ mho/m}$ ;  $\epsilon_r = 53.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

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

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

**Front 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 = 32.2 V/m; Power Drift = -0.073 dB

Peak SAR (extrapolated) = 1.20 W/kg

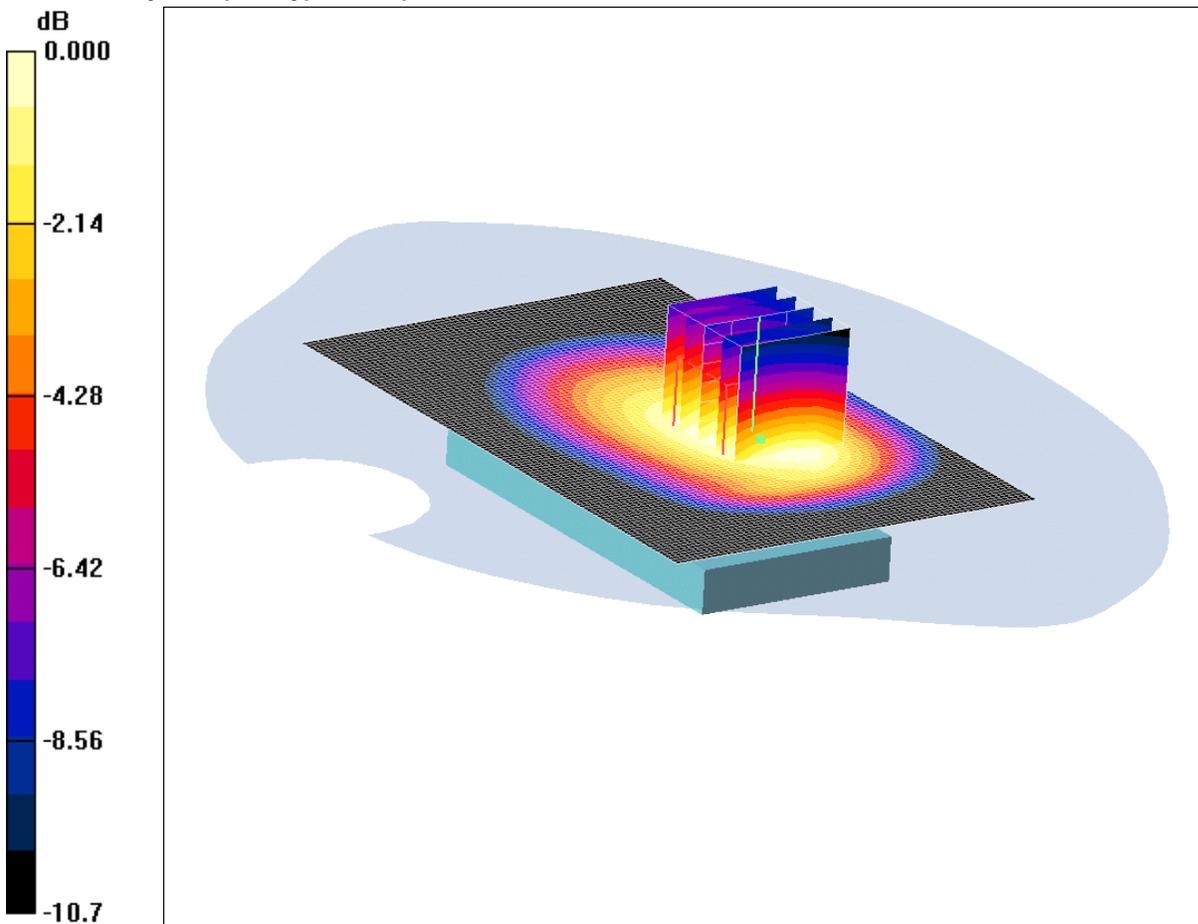
**SAR(1 g) = 0.984 mW/g; SAR(10 g) = 0.731 mW/g**

Maximum value of SAR (measured) = 1.03 mW/g

SCN/87696/075: Rear of EUT Facing Phantom UMTS FDDV CH4183

Date: 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 1.24mW/g

Communication System: UMTS-FDD V; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.998$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

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

Maximum value of SAR (interpolated) = 1.26 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 = 33.7 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 1.56 W/kg

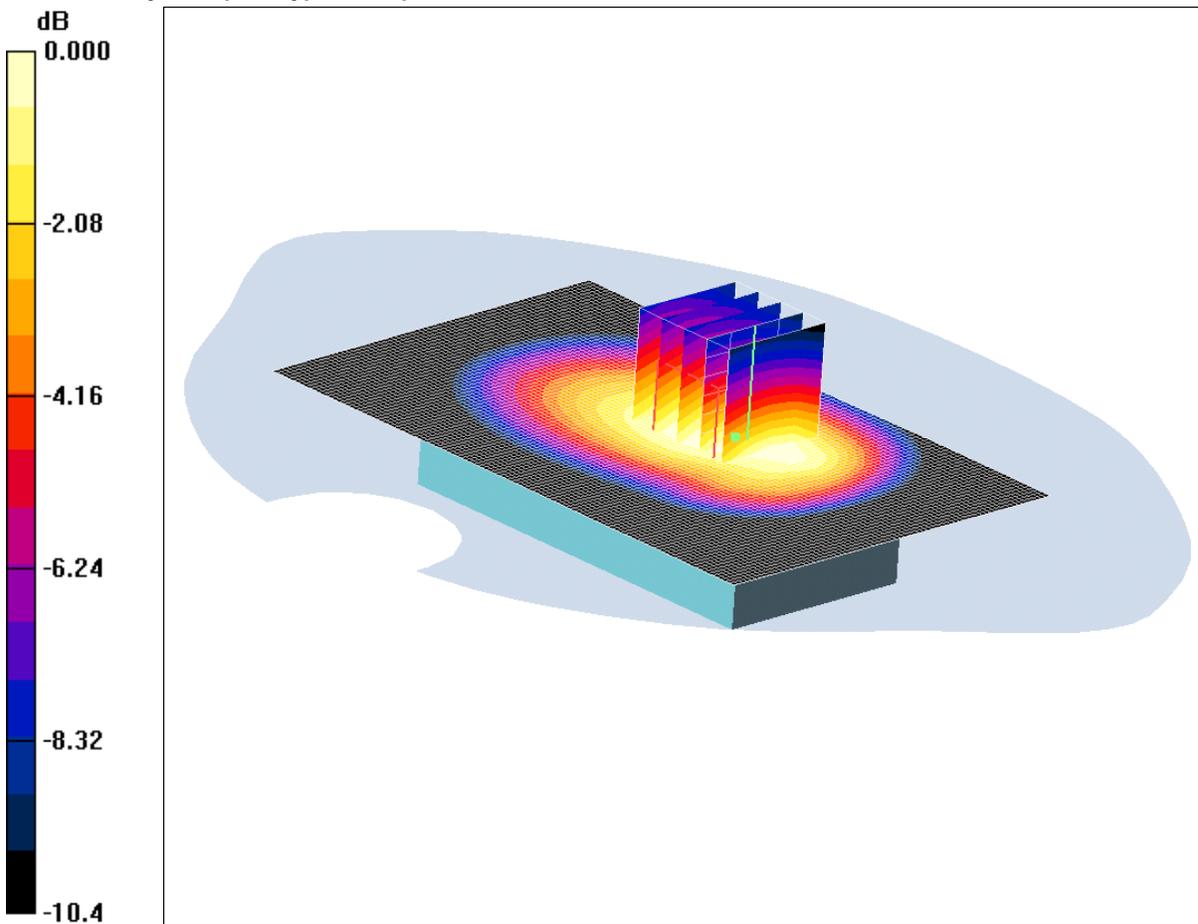
**SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.841 mW/g**

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

SCN/87696/076: Rear of EUT Facing Phantom UMTS FDDV CH4132

Date: 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 1.16mW/g

Communication System: UMTS-FDD V; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.992$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

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

Maximum value of SAR (interpolated) = 1.17 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 = 33.7 V/m; Power Drift = 0.012 dB

Peak SAR (extrapolated) = 1.49 W/kg

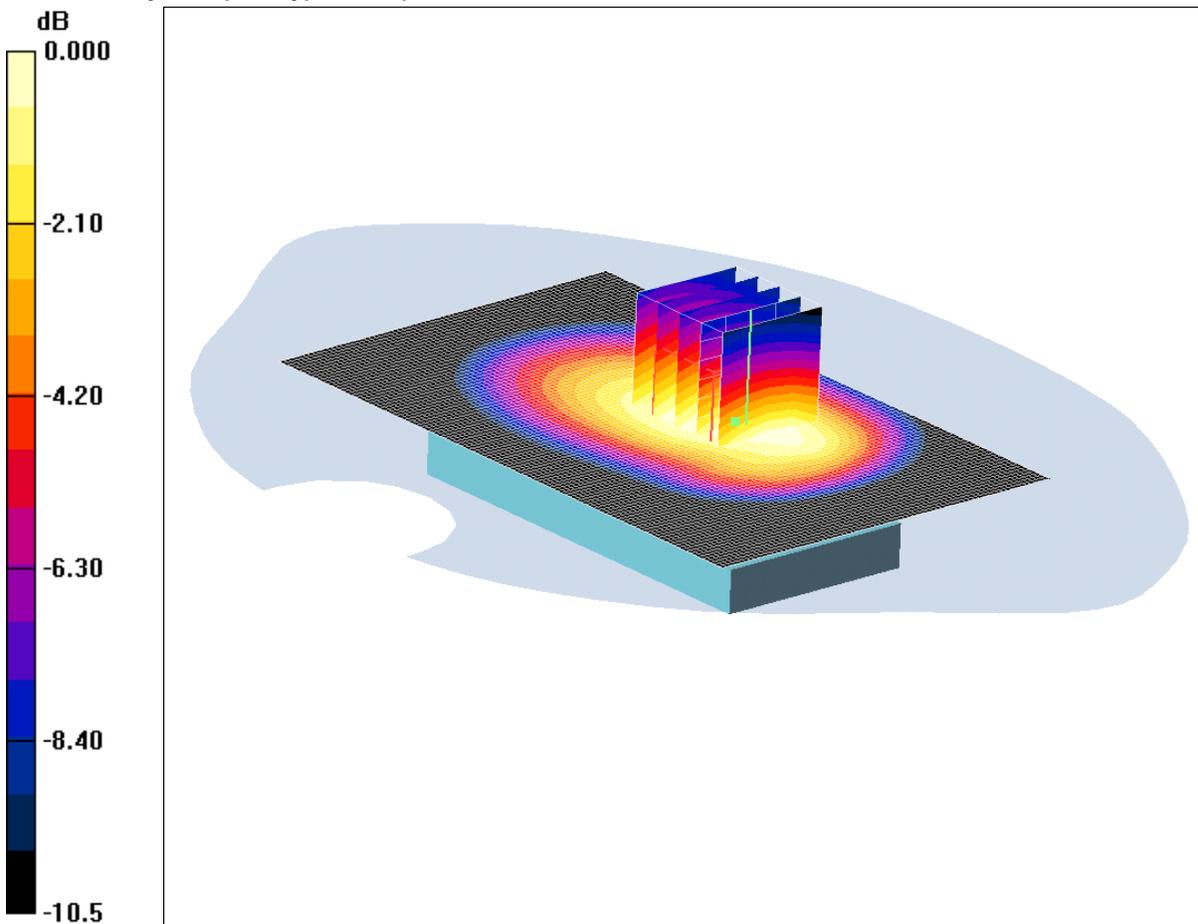
**SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.786 mW/g**

Maximum value of SAR (measured) = 1.16 mW/g

SCN/87696/077: Rear of EUT Facing Phantom UMTS FDDV CH4233

Date: 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 1.22mW/g

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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 1$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

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

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

Reference Value = 34.0 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 1.53 W/kg

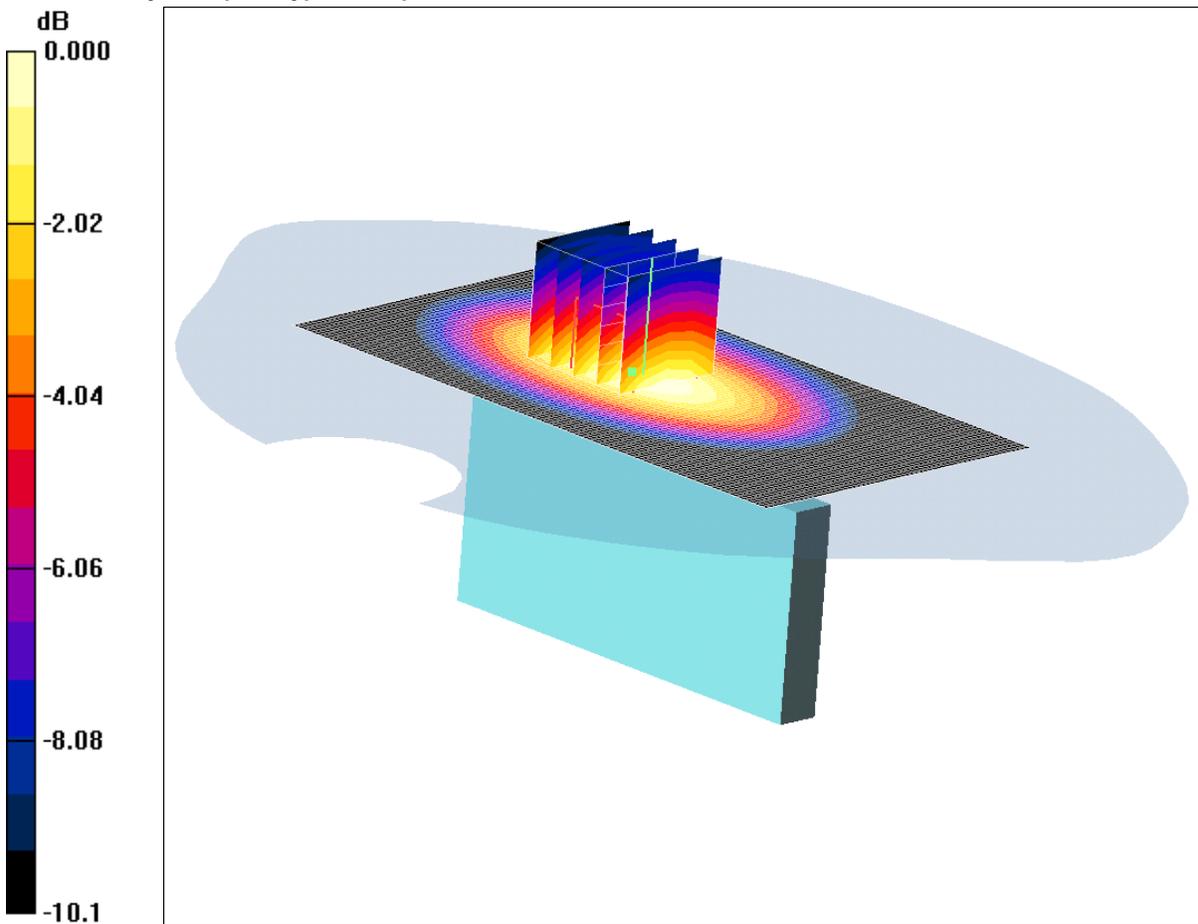
**SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.826 mW/g**

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

SCN/87696/078: Left Hand Side of EUT Facing Phantom UMTS FDDV CH4183

Date: 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 1.27mW/g

Communication System: UMTS-FDD V; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.998$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

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

Maximum value of SAR (interpolated) = 1.27 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 = 36.2 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 1.62 W/kg

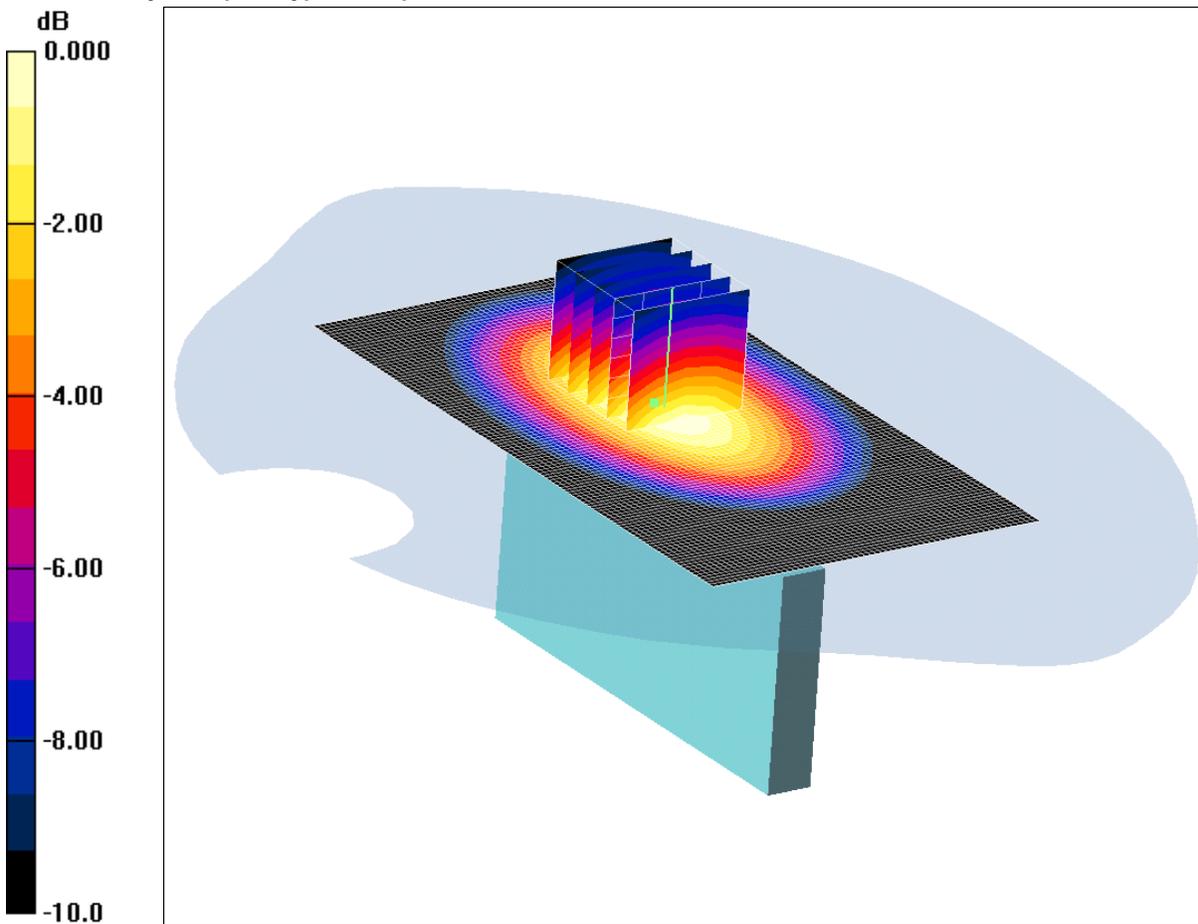
**SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.813 mW/g**

Maximum value of SAR (measured) = 1.27 mW/g

SCN/87696/079: Left Hand Side of EUT Facing Phantom UMTS FDDV CH4132

Date: 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 1.12mW/g

Communication System: UMTS-FDD V; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.992$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

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

Maximum value of SAR (interpolated) = 1.14 mW/g

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

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

Reference Value = 34.2 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 1.43 W/kg

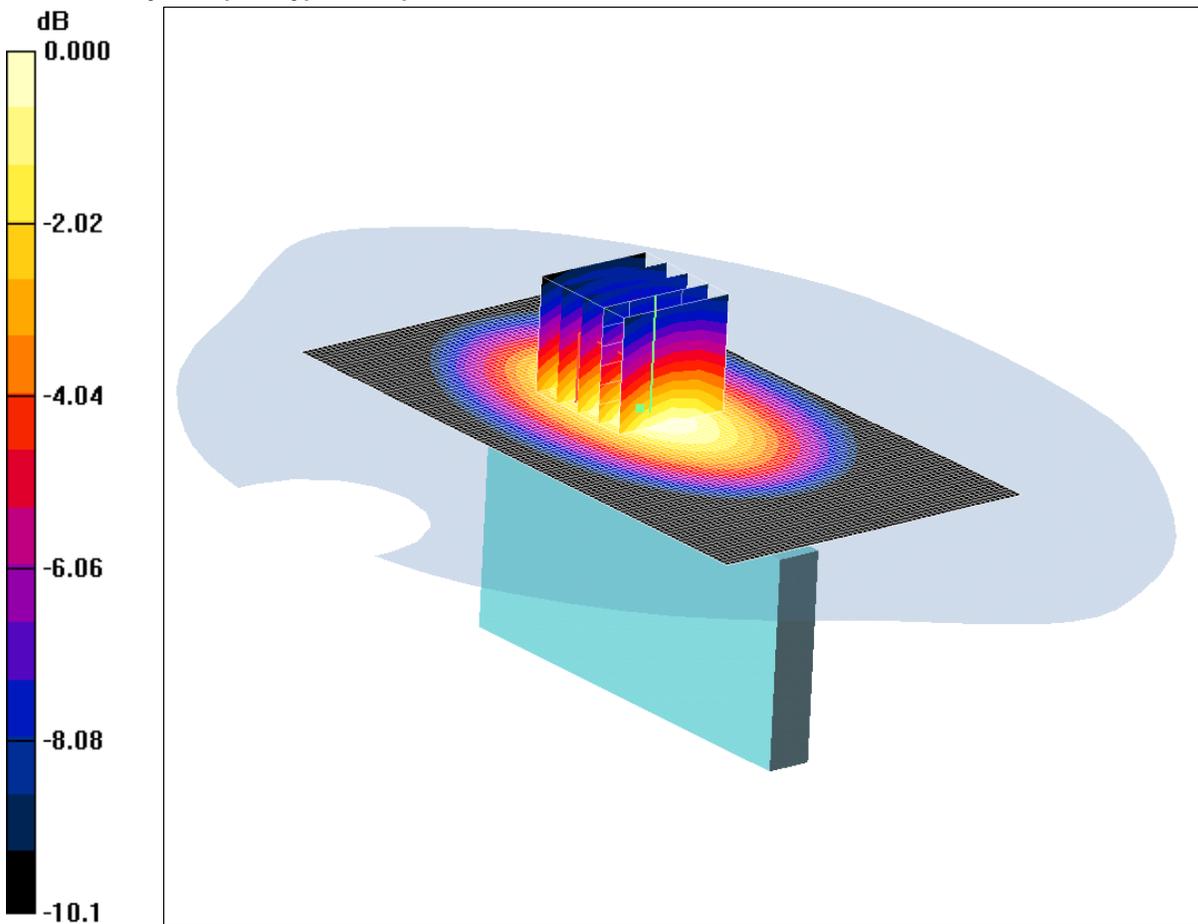
**SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.723 mW/g**

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

SCN/87696/080: Left Hand Side of EUT Facing Phantom UMTS FDDV CH4233

Date: 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 1.26mW/g

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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 1$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

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

Maximum value of SAR (interpolated) = 1.28 mW/g

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

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

Reference Value = 36.2 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 1.59 W/kg

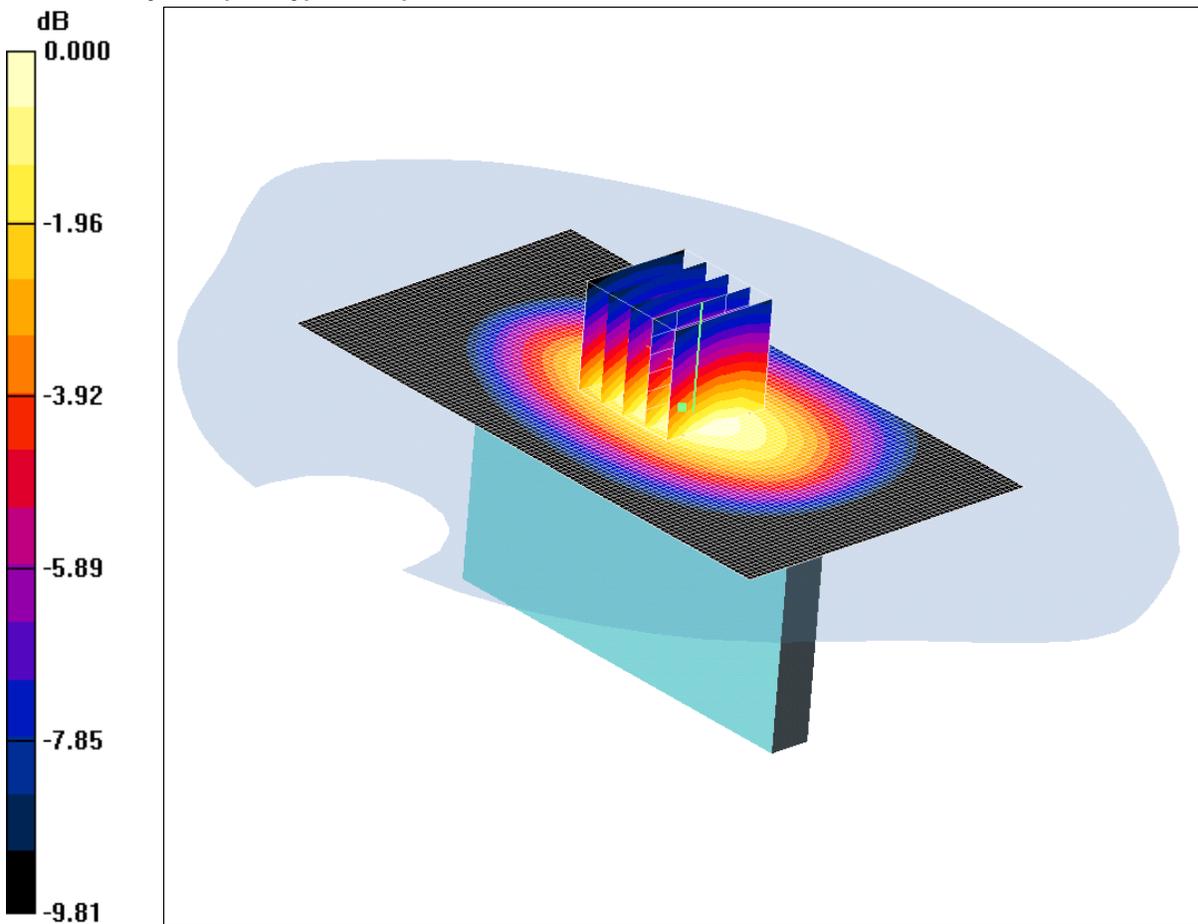
**SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.806 mW/g**

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

SCN/87696/081: Right Hand Side of EUT Facing Phantom UMTS FDDV CH4183

Date: 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 1.21mW/g

Communication System: UMTS-FDD V; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.998$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

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

Maximum value of SAR (interpolated) = 1.20 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 = 35.6 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 1.52 W/kg

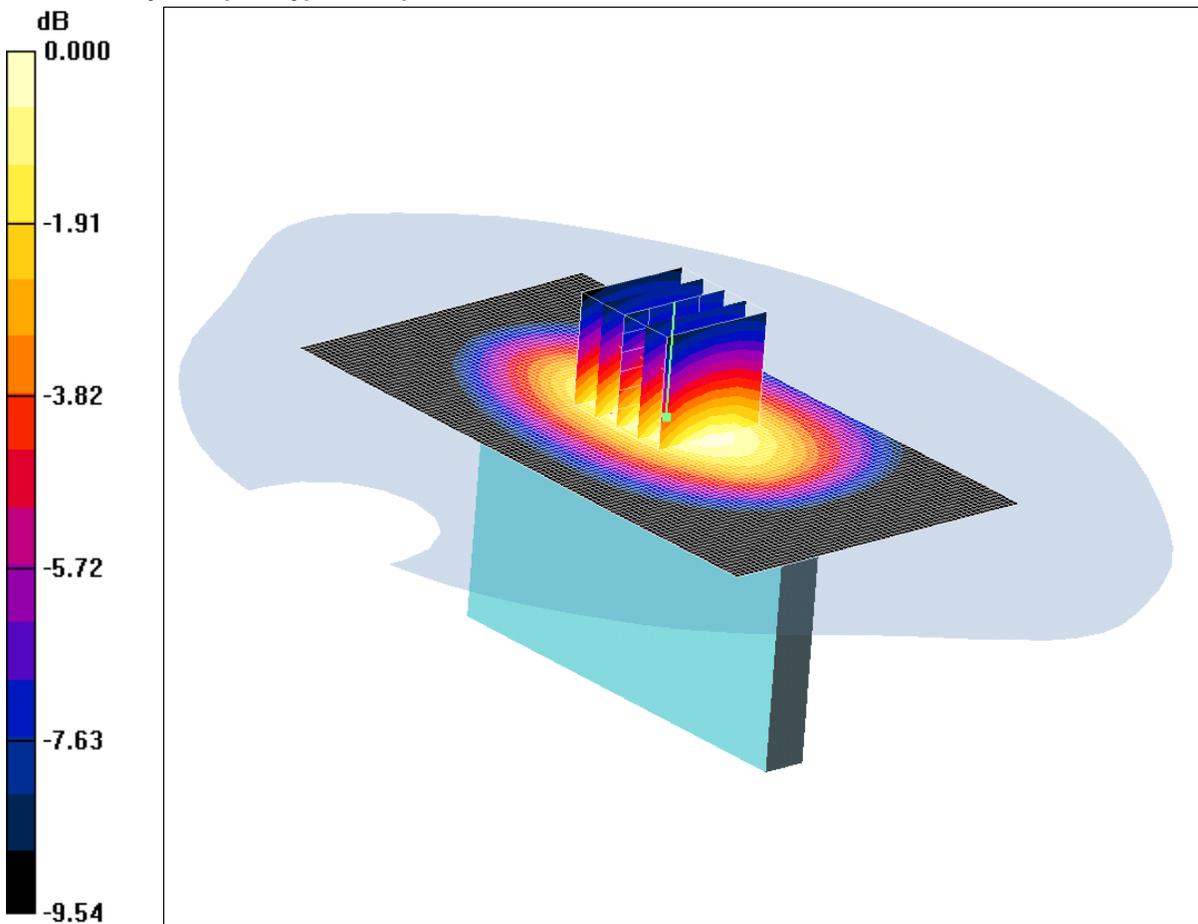
**SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.788 mW/g**

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

SCN/87696/082: Right Hand Side of EUT Facing Phantom UMTS FDDV CH4132

Date: 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 1.13mW/g

Communication System: UMTS-FDD V; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.992$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

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

Maximum value of SAR (interpolated) = 1.16 mW/g

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

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

Reference Value = 35.1 V/m; Power Drift = -0.042 dB

Peak SAR (extrapolated) = 1.42 W/kg

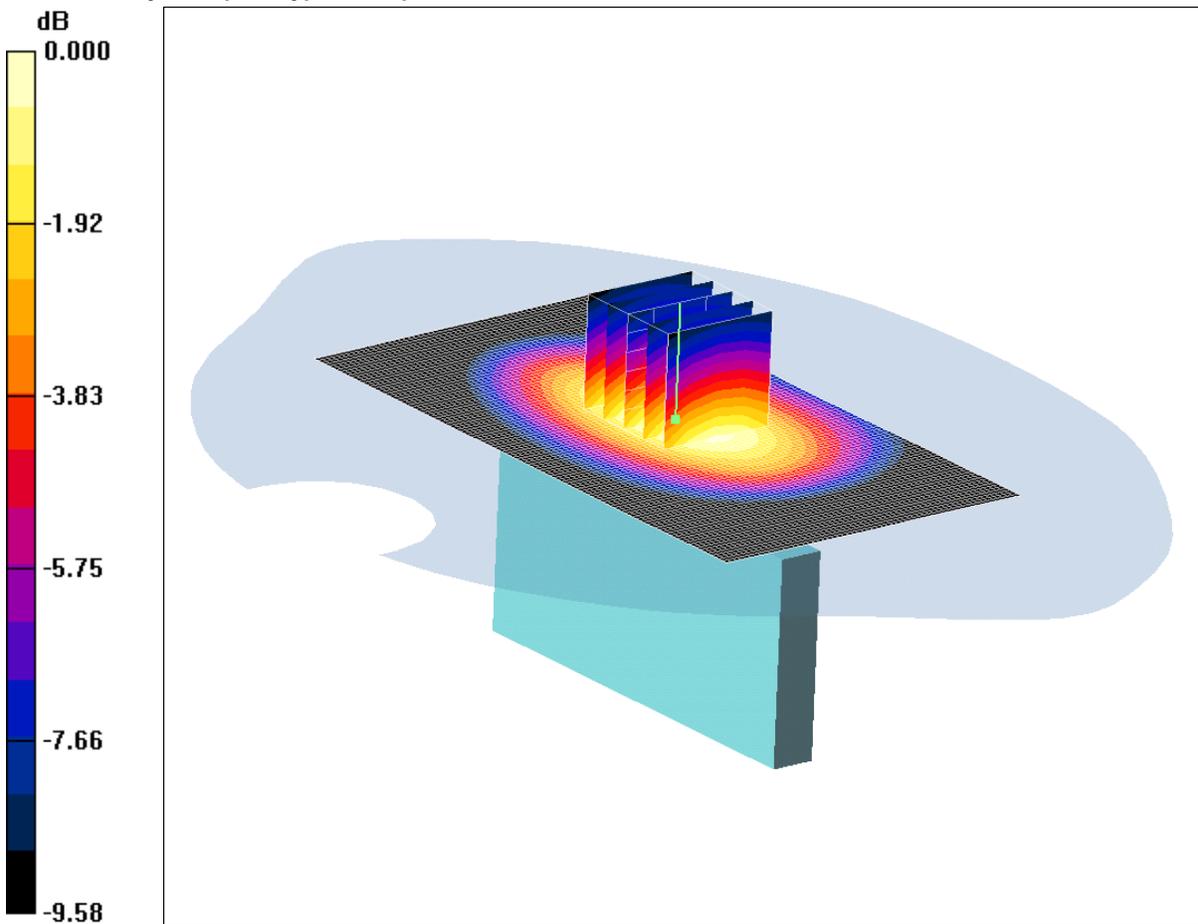
**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.741 mW/g**

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

SCN/87696/083: Right Hand Side of EUT Facing Phantom UMTS FDDV CH4233

Date: 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 1.15mW/g

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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 846.6 \text{ MHz}$ ;  $\sigma = 1 \text{ mho/m}$ ;  $\epsilon_r = 53.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

**Right Hand Side of EUT Facing Phantom - High/Area Scan (61x111x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.15 mW/g

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

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

Reference Value = 34.3 V/m; Power Drift = 0.003 dB

Peak SAR (extrapolated) = 1.44 W/kg

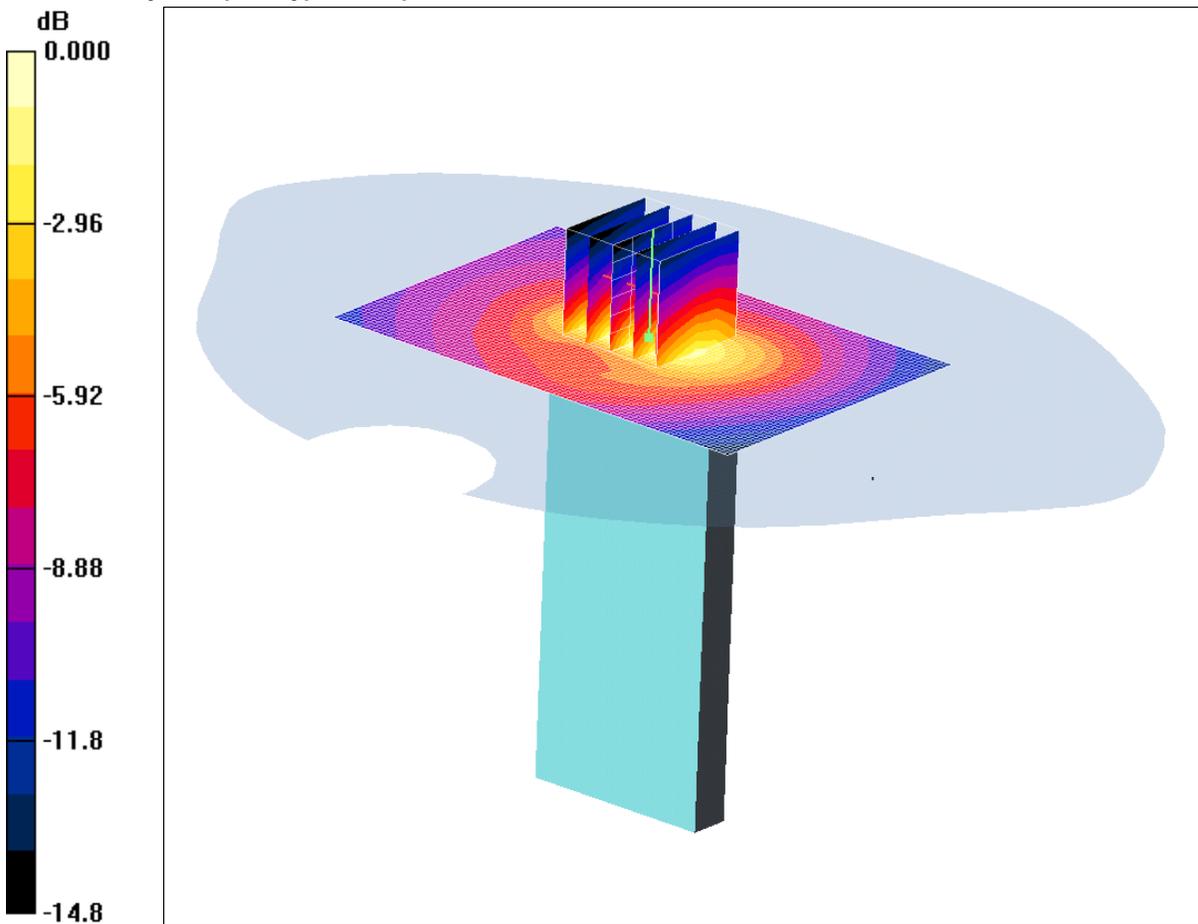
**SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.753 mW/g**

Maximum value of SAR (measured) = 1.15 mW/g

SCN/87696/084: Bottom of EUT Facing Phantom UMTS FDDV CH4183

Date: 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 0.215mW/g

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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 1$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

**Bottom of EUT Facing Phantom - High/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.212 mW/g

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

Reference Value = 14.2 V/m; Power Drift = 0.003 dB

Peak SAR (extrapolated) = 0.419 W/kg

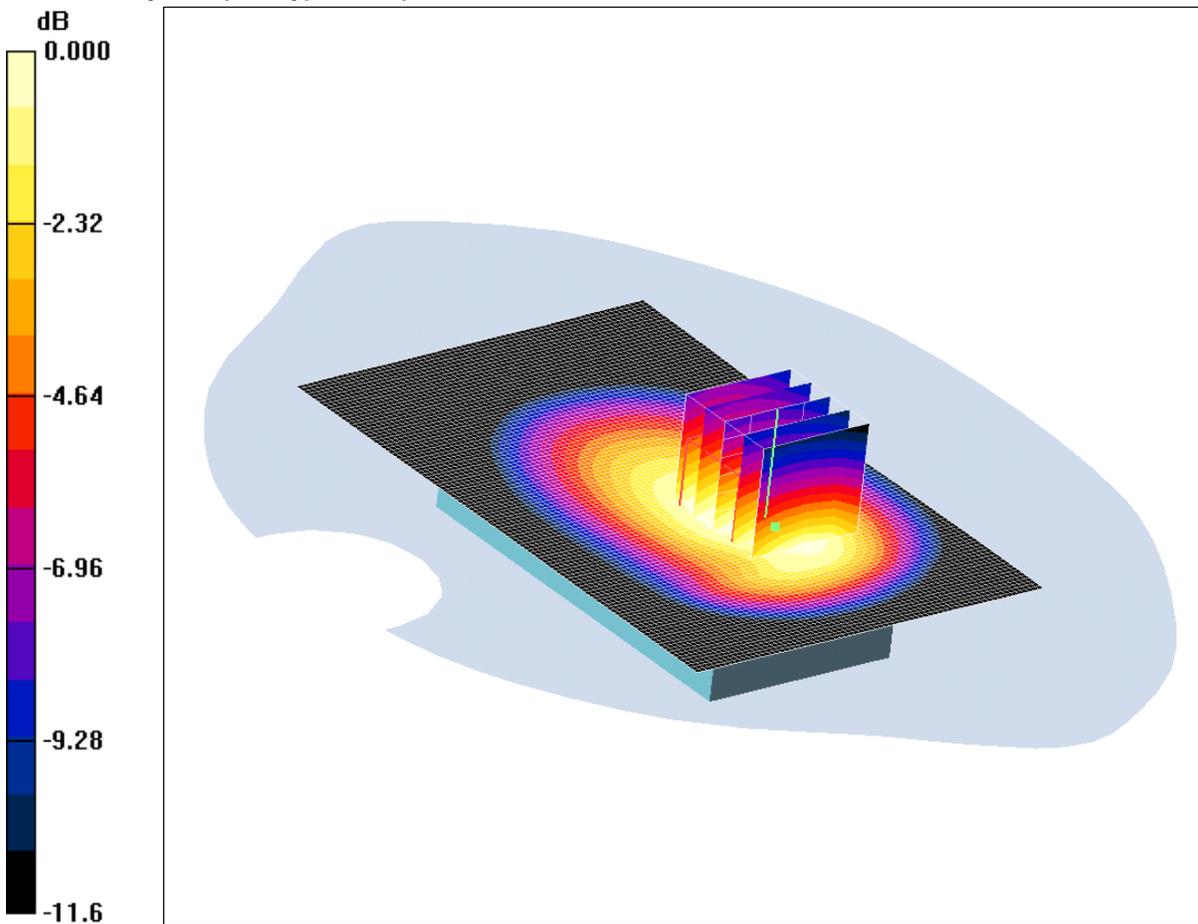
**SAR(1 g) = 0.194 mW/g; SAR(10 g) = 0.102 mW/g**

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

SCN/87696/085: Rear of EUT Facing Phantom UMTS FDDV + HSDPA CH4183

Date 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 0.944mW/g

Communication System: UMTS-FDD V; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.998$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

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

Maximum value of SAR (interpolated) = 0.950 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 = 28.4 V/m; Power Drift = -0.156 dB

Peak SAR (extrapolated) = 1.26 W/kg

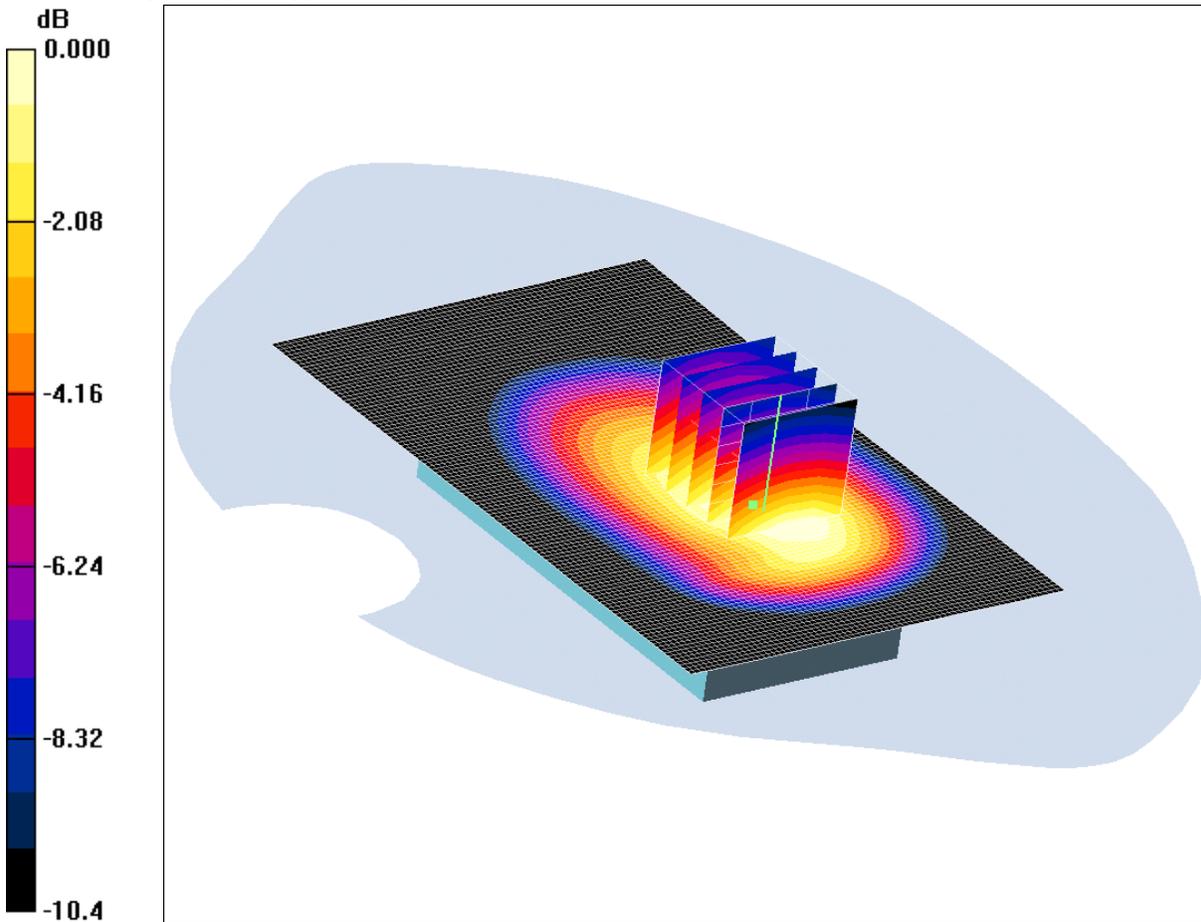
**SAR(1 g) = 0.894 mW/g; SAR(10 g) = 0.631 mW/g**

Maximum value of SAR (measured) = 0.944 mW/g

SCN/87696/086: Rear of EUT Facing Phantom UMTS FDDV + HSDPA CH4132

Date 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 0.871mW/g

Communication System: UMTS-FDD V; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.992$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

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

Maximum value of SAR (interpolated) = 0.866 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 = 27.2 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 1.13 W/kg

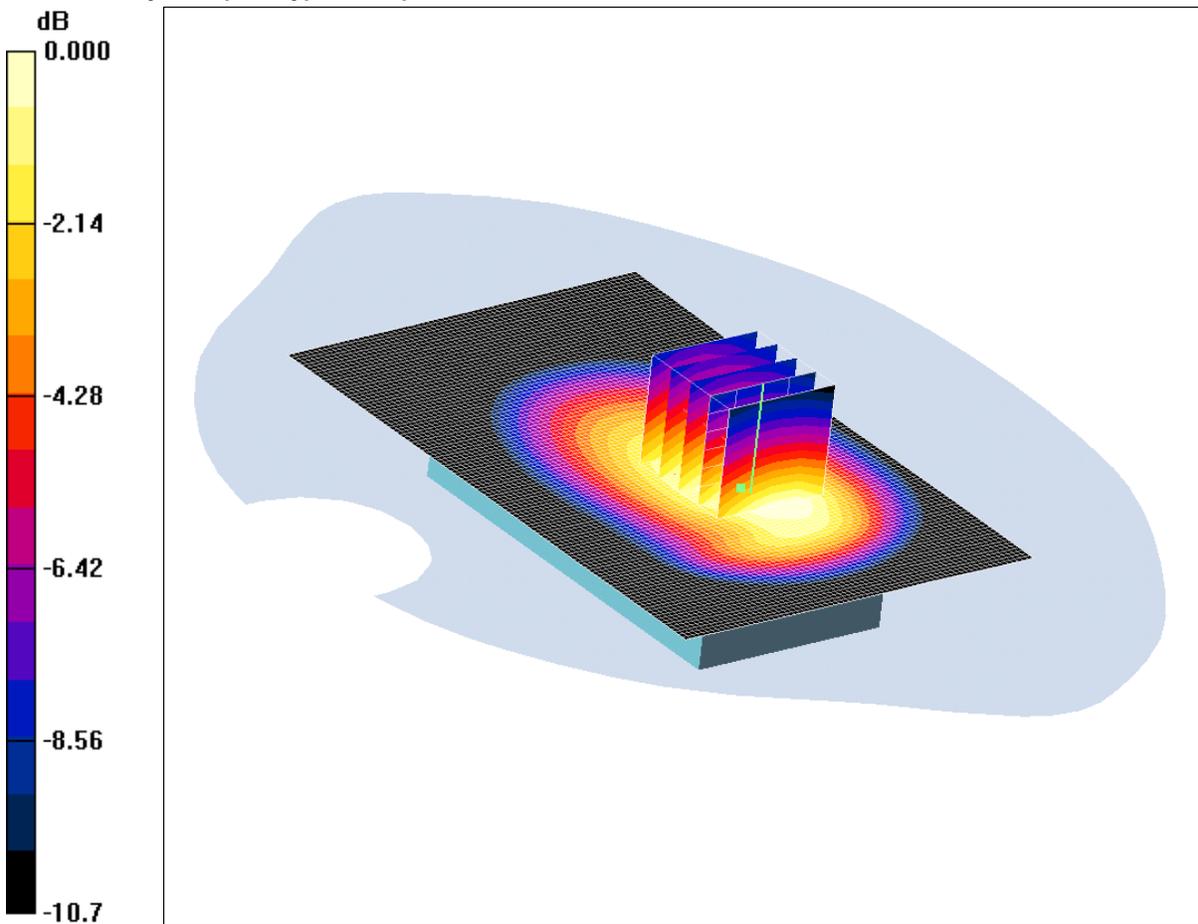
**SAR(1 g) = 0.822 mW/g; SAR(10 g) = 0.579 mW/g**

Maximum value of SAR (measured) = 0.871 mW/g

SCN/87696/087: Rear of EUT Facing Phantom UMTS FDDV + HSDPA CH4233

Date 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 0.992mW/g

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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 1$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

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

Maximum value of SAR (interpolated) = 0.986 mW/g

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

Reference Value = 28.5 V/m; Power Drift = 0.088 dB

Peak SAR (extrapolated) = 1.29 W/kg

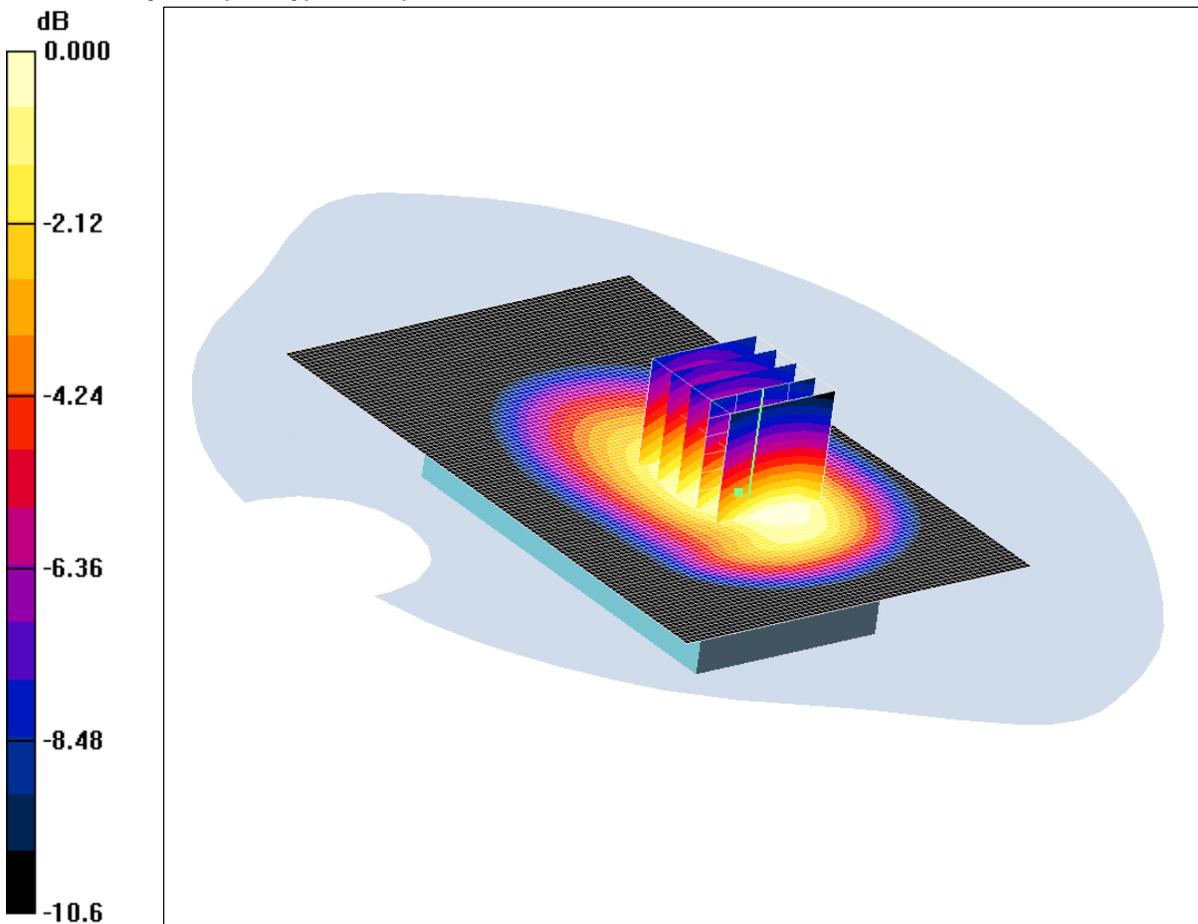
**SAR(1 g) = 0.930 mW/g; SAR(10 g) = 0.653 mW/g**

Maximum value of SAR (measured) = 0.992 mW/g

SCN/87696/088: Rear of EUT Facing Phantom UMTS FDDV + HSPA CH4183

Date 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 0.757mW/g

Communication System: UMTS-FDD V; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.998$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

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

Maximum value of SAR (interpolated) = 0.756 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 = 25.1 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 0.991 W/kg

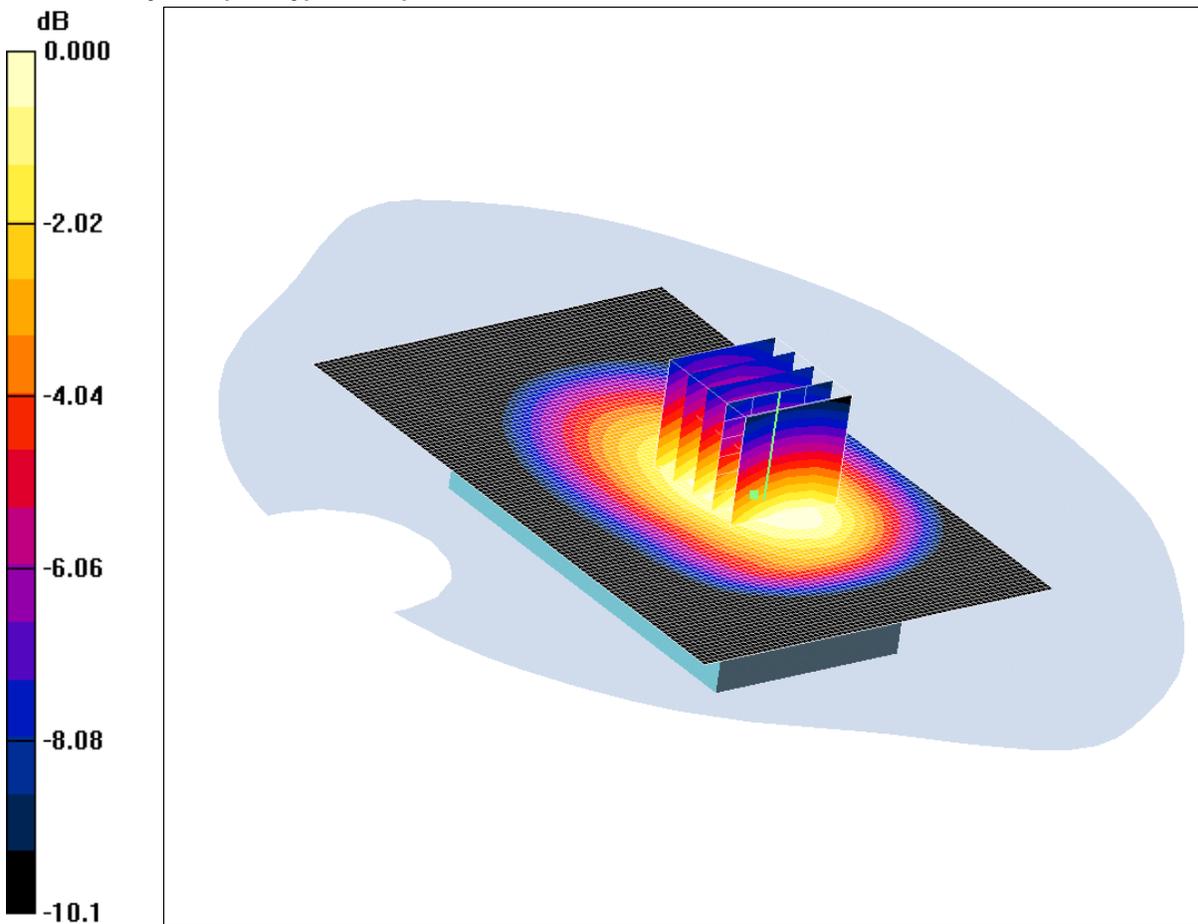
**SAR(1 g) = 0.715 mW/g; SAR(10 g) = 0.503 mW/g**

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

SCN/87696/089: Rear of EUT Facing Phantom at 15mm UMTS FDDV CH4183

Date 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 0.797mW/g

Communication System: UMTS-FDD V; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.998$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

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

Maximum value of SAR (interpolated) = 0.817 mW/g

**Rear of EUT Facing Phantom at 15mm - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 27.4 V/m; Power Drift = -0.174 dB

Peak SAR (extrapolated) = 0.986 W/kg

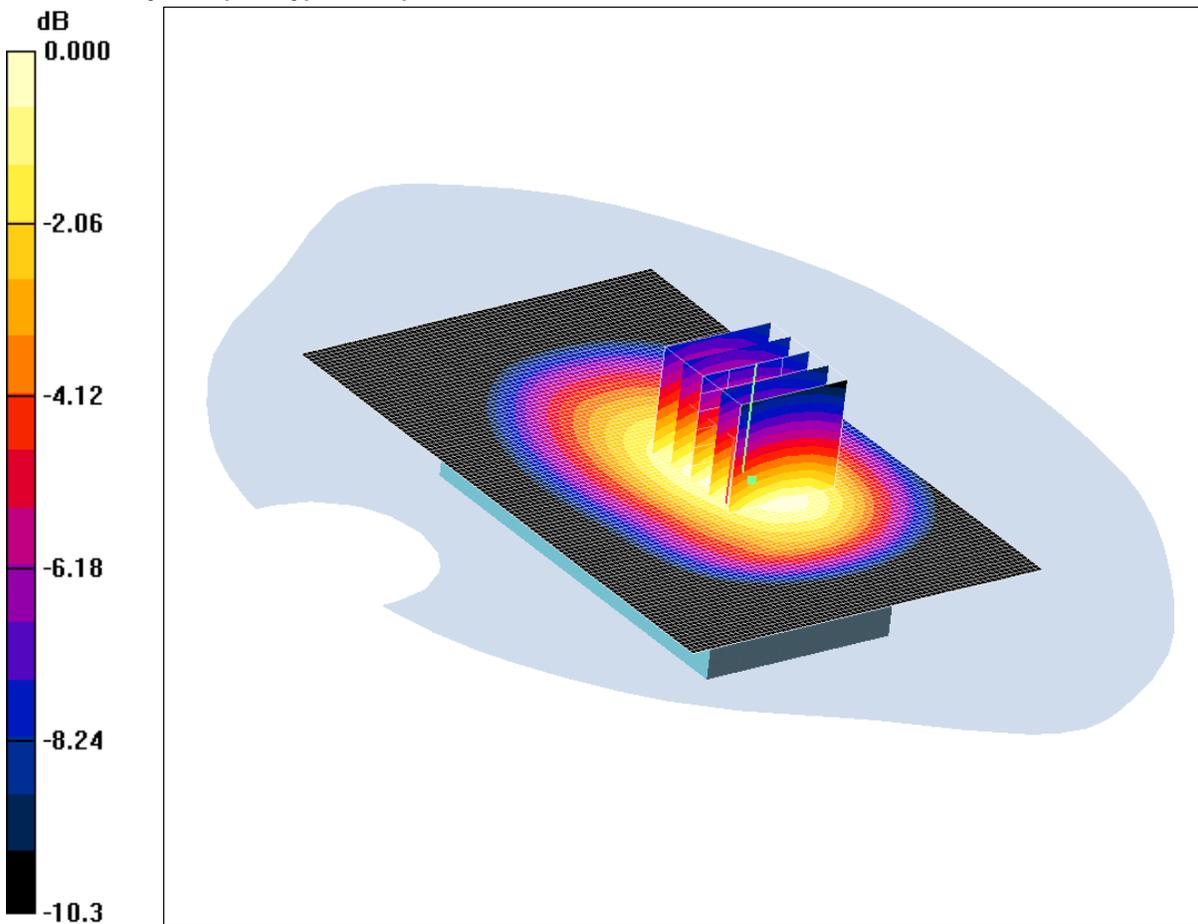
**SAR(1 g) = 0.752 mW/g; SAR(10 g) = 0.536 mW/g**

Maximum value of SAR (measured) = 0.797 mW/g

SCN/87696/090: Rear of EUT Facing Phantom at 15mm UMTS FDDV CH4132

Date 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 0.746mW/g

Communication System: UMTS-FDD V; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 826.4 \text{ MHz}$ ;  $\sigma = 0.992 \text{ mho/m}$ ;  $\epsilon_r = 53.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

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

Maximum value of SAR (interpolated) = 0.750 mW/g

**Rear of EUT Facing Phantom at 15mm - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 26.4 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 0.928 W/kg

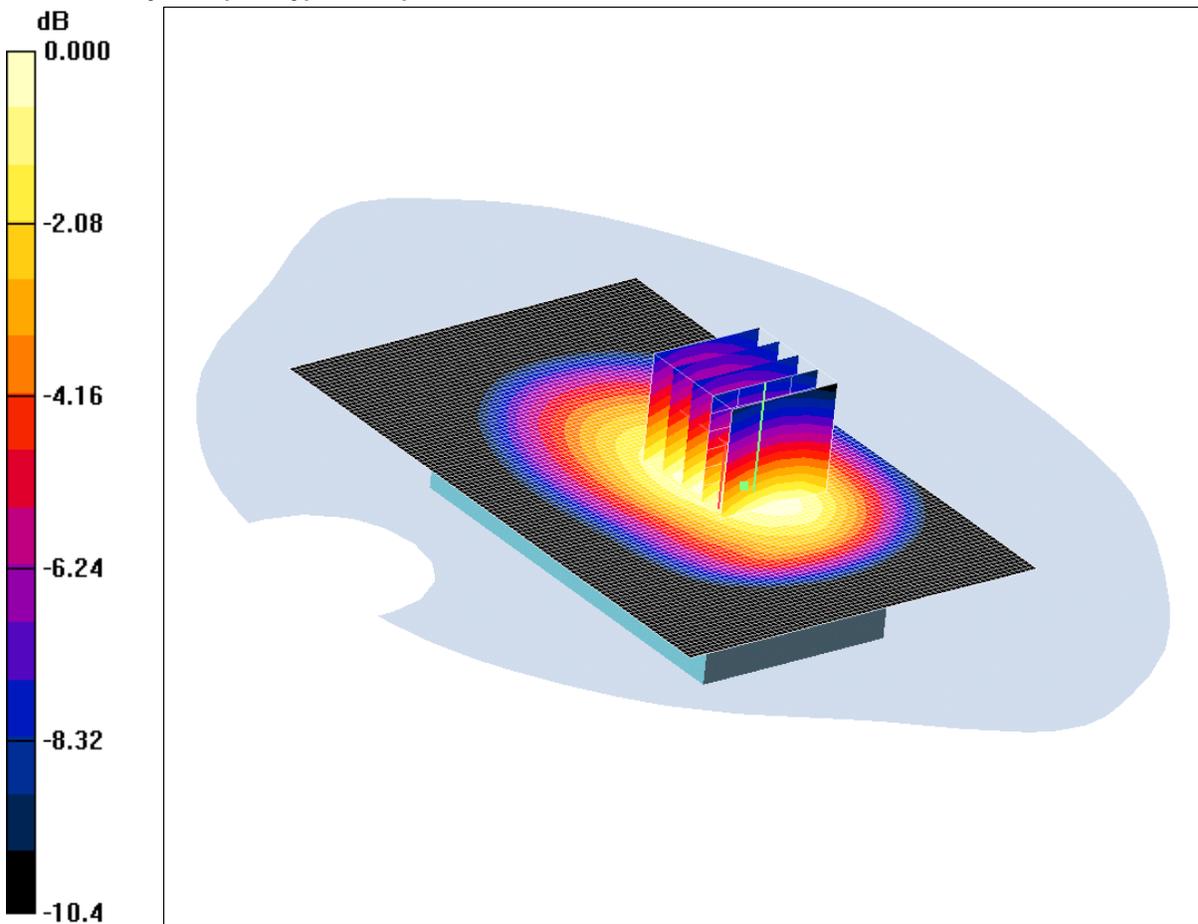
**SAR(1 g) = 0.703 mW/g; SAR(10 g) = 0.501 mW/g**

Maximum value of SAR (measured) = 0.746 mW/g

SCN/87696/091: Rear of EUT Facing Phantom at 15mm UMTS FDDV CH4233

Date 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 0.882mW/g

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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 846.6 \text{ MHz}$ ;  $\sigma = 1 \text{ mho/m}$ ;  $\epsilon_r = 53.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

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

Maximum value of SAR (interpolated) = 0.883 mW/g

**Rear of EUT Facing Phantom at 15mm - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 28.4 V/m; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 1.10 W/kg

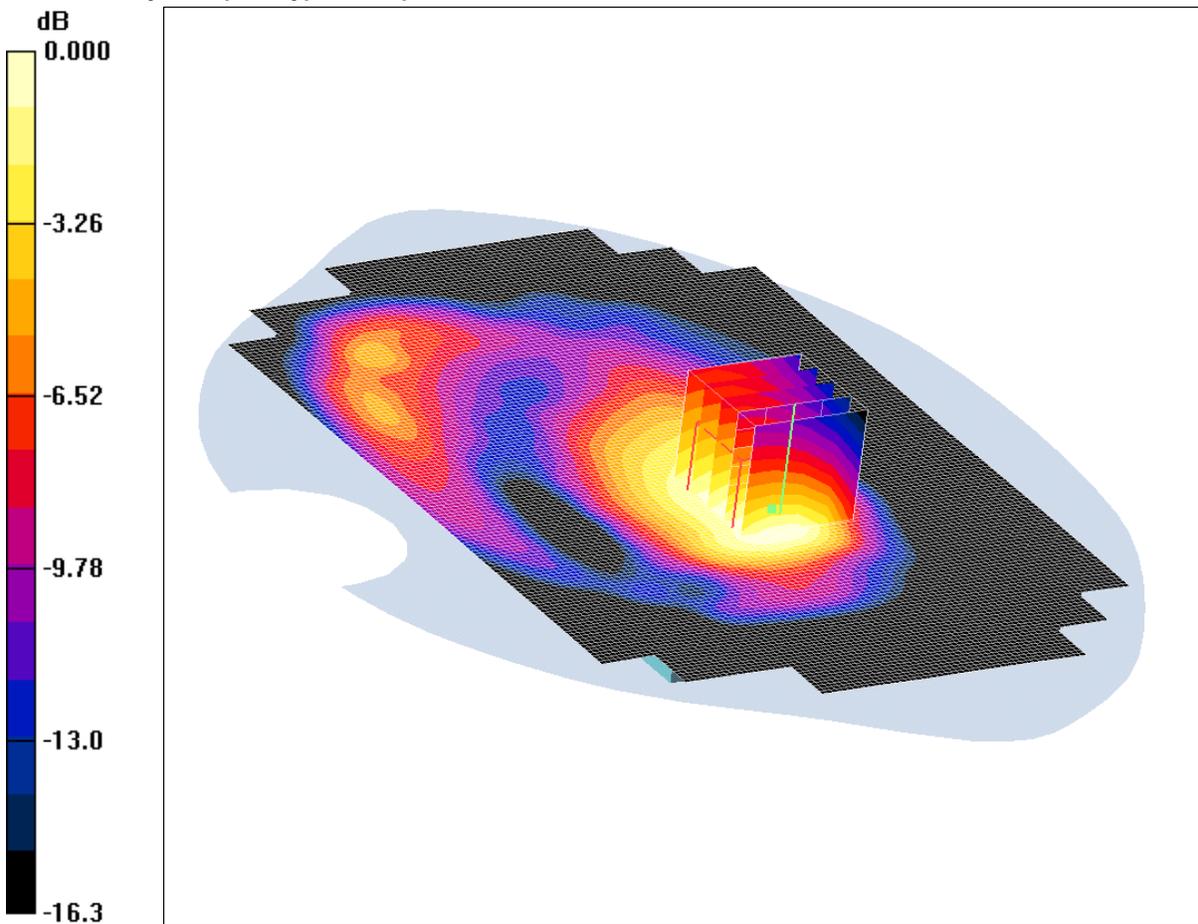
**SAR(1 g) = 0.835 mW/g; SAR(10 g) = 0.595 mW/g**

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

SCN/87696/092: Rear of EUT Facing Phantom with PHF UMTS FDDV CH4183

Date 25/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 1.27mW/g

Communication System: UMTS-FDD V; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.998$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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

**Rear of EUT Facing Phantom with PHF - Middle/Area Scan (101x161x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.46 mW/g

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

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

Reference Value = 28.1 V/m; Power Drift = 0.004 dB

Peak SAR (extrapolated) = 1.76 W/kg

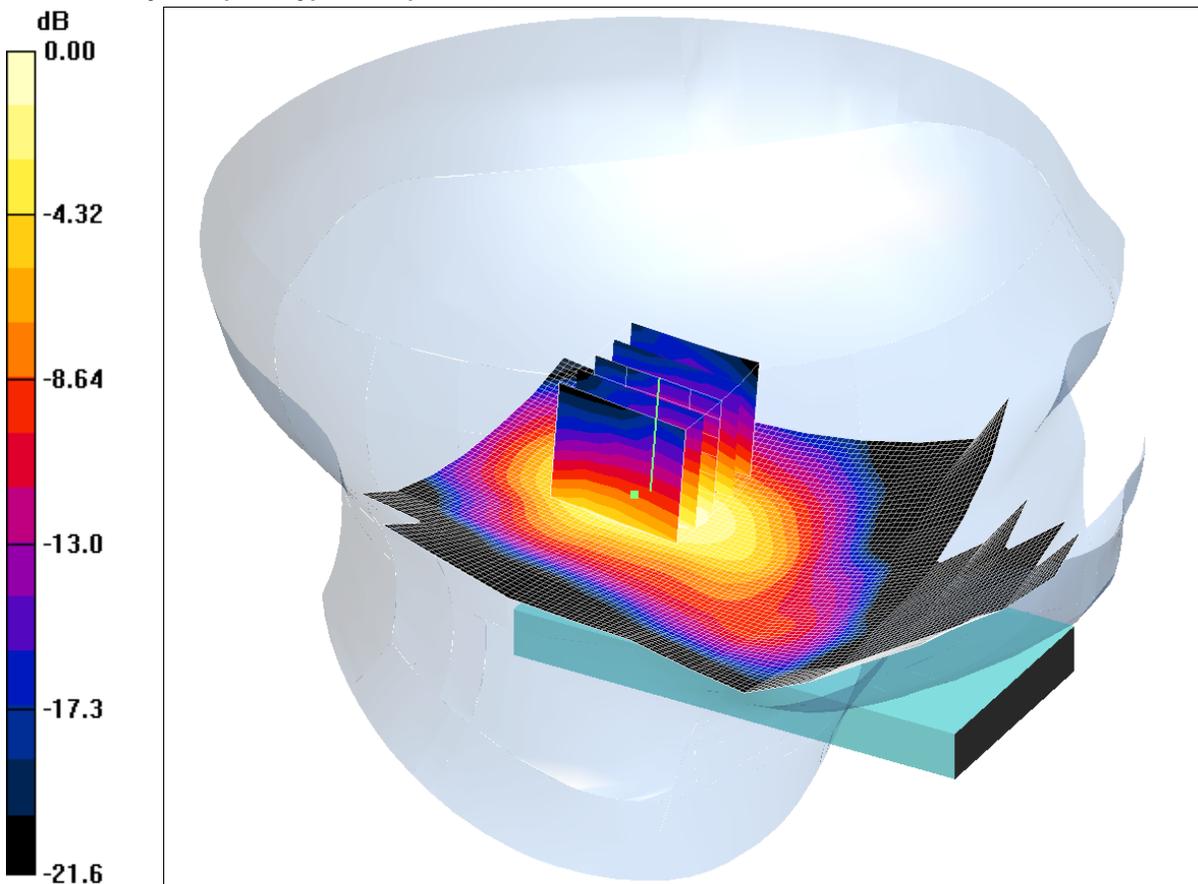
**SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.795 mW/g**

Maximum value of SAR (measured) = 1.27 mW/g

SCN/87696/093: Touch Left WLAN 802.11b 1Mbps CH6

Date: 25/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A0P



0 dB = 0.320mW/g

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

Medium: 2450 MHz HSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.81$  mho/m;  $\epsilon_r = 39.1$ ;  $\rho = 1000$  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: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

Maximum value of SAR (interpolated) = 0.326 mW/g

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

Reference Value = 7.50 V/m; Power Drift = 0.108 dB

Peak SAR (extrapolated) = 0.561 W/kg

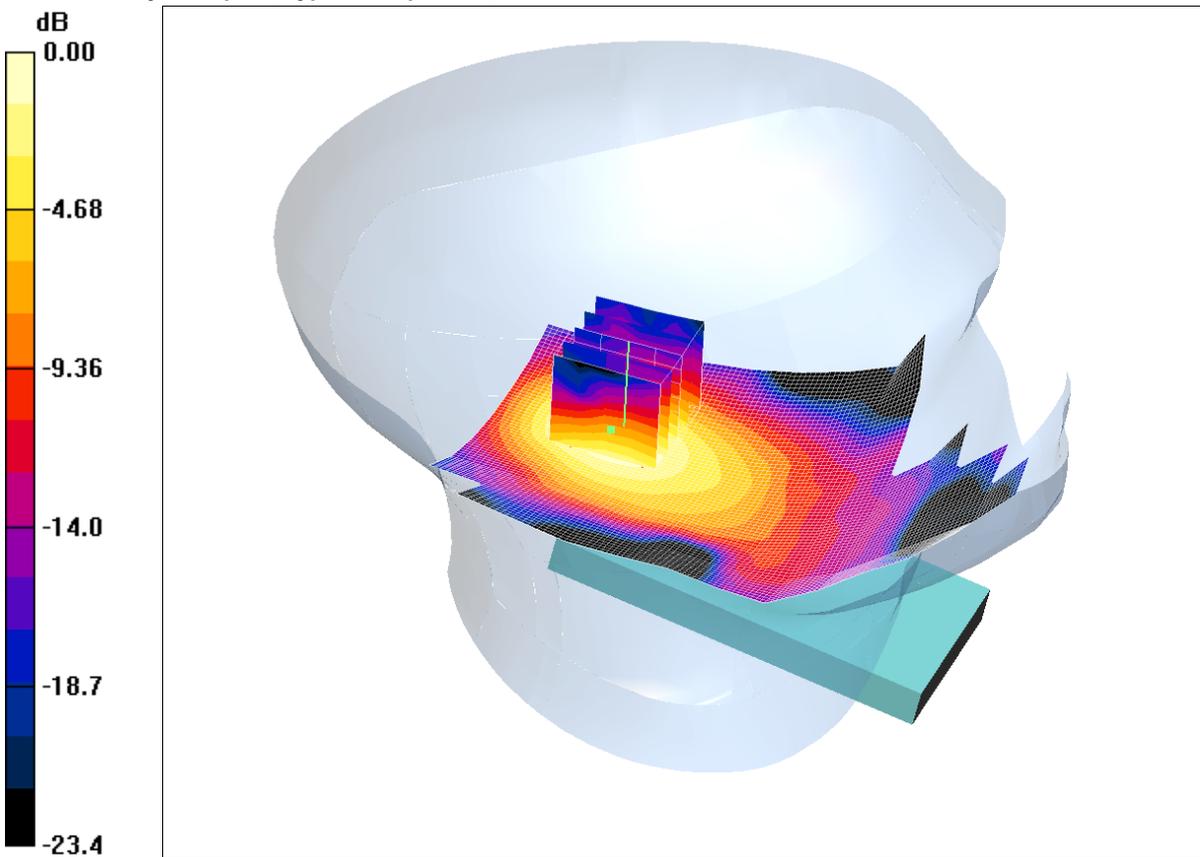
**SAR(1 g) = 0.289 mW/g; SAR(10 g) = 0.148 mW/g**

Maximum value of SAR (measured) = 0.320 mW/g

SCN/87696/094: Tilt Left WLAN 802.11b 1Mbps CH6

Date: 25/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A0P



0 dB = 0.140mW/g

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

Medium: 2450 MHz HSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.81$  mho/m;  $\epsilon_r = 39.1$ ;  $\rho = 1000$  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: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

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

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

Reference Value = 6.70 V/m; Power Drift = 0.154 dB

Peak SAR (extrapolated) = 0.258 W/kg

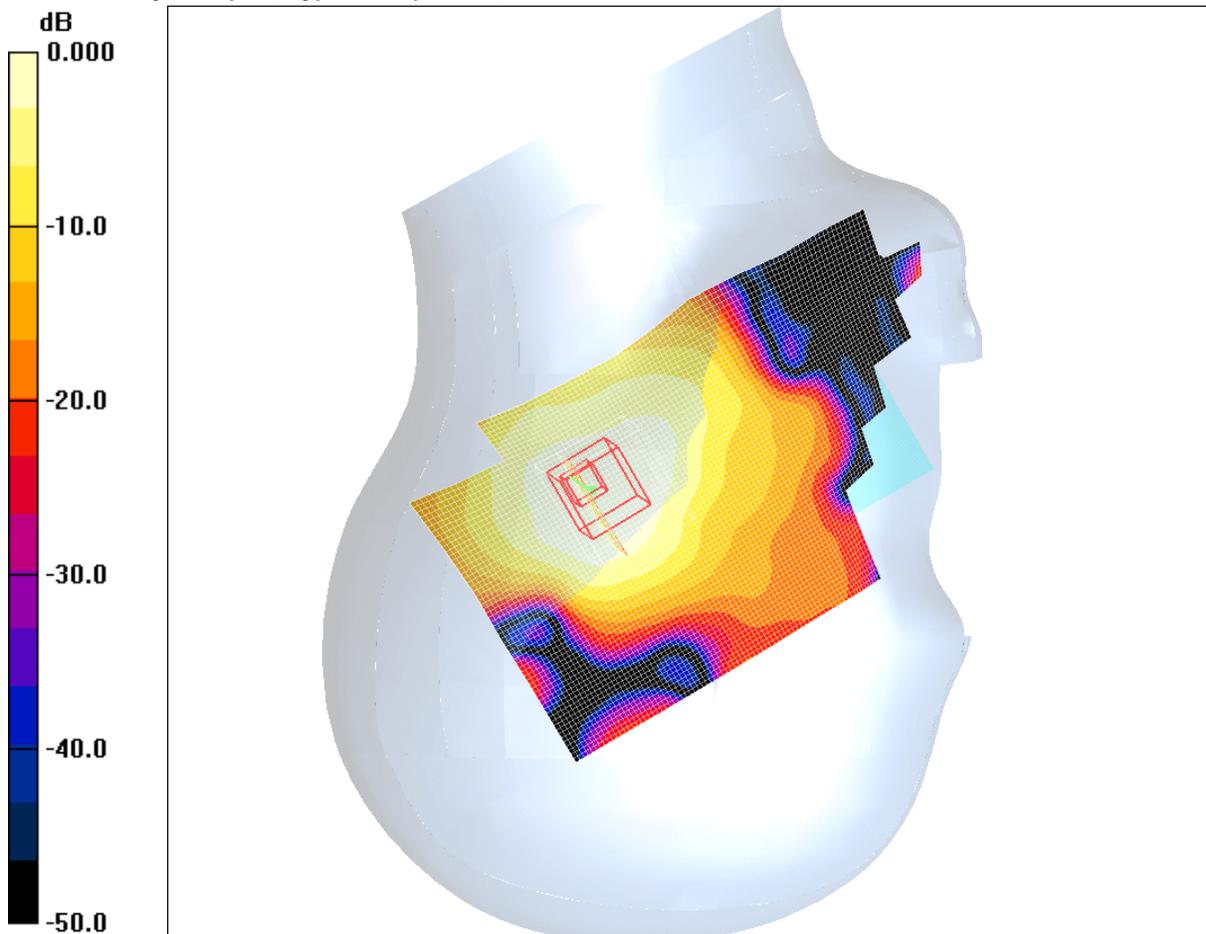
**SAR(1 g) = 0.130 mW/g; SAR(10 g) = 0.069 mW/g**

Maximum value of SAR (measured) = 0.140 mW/g

SCN/87696/095: Touch Right WLAN 802.11b 1Mbps CH6

Date 25/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A0P



0 dB = 0.196mW/g

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

Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz;  $\sigma = 1.81$  mho/m;  $\epsilon_r = 39.1$ ;  $\rho = 1000$  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 Sn431; Calibrated: 05/05/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Maximum value of SAR (interpolated) = 0.196 mW/g

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

Reference Value = 7.48 V/m; Power Drift = 0.125 dB

Peak SAR (extrapolated) = 0.251 W/kg

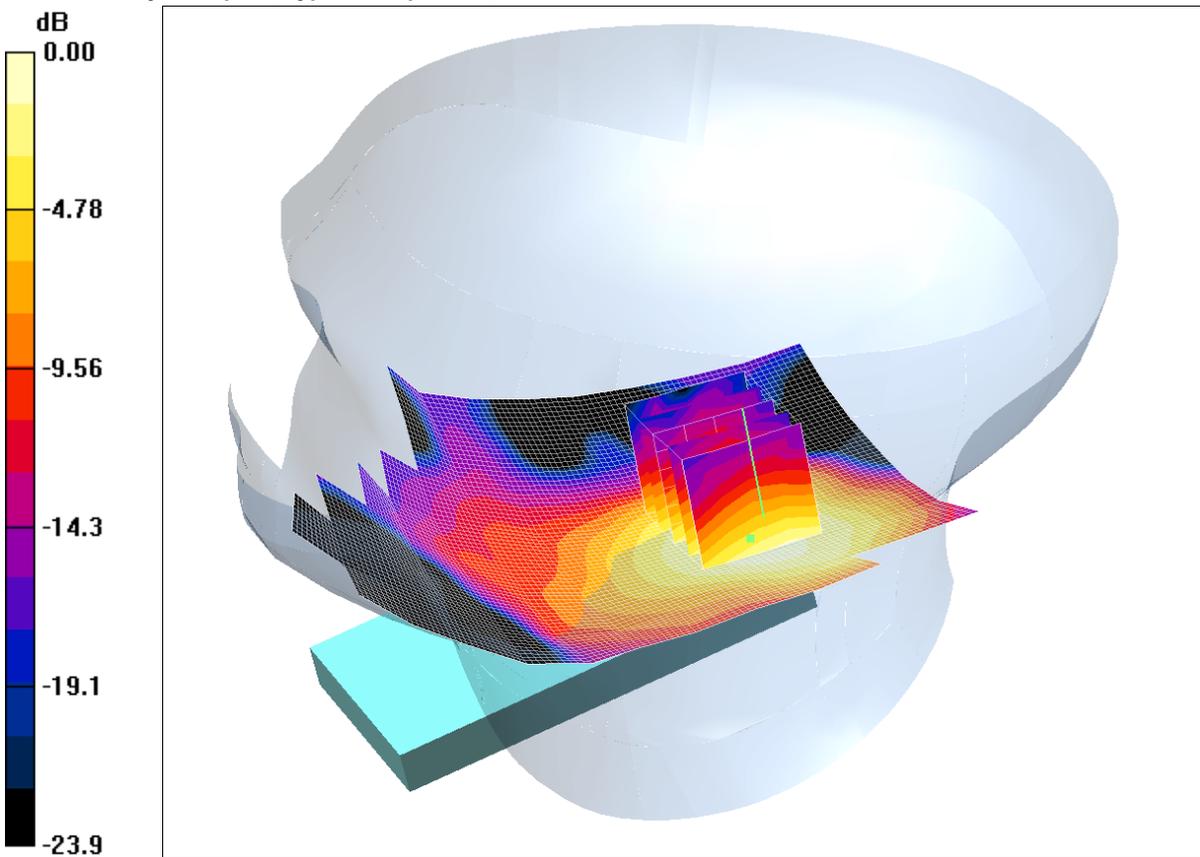
**SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.079 mW/g**

Maximum value of SAR (measured) = 0.175 mW/g

SCN/87696/096: Tilt Right WLAN 802.11b 1Mbps CH6

Date: 25/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A0P



0 dB = 0.106mW/g

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

Medium: 2450 MHz HSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.81$  mho/m;  $\epsilon_r = 39.1$ ;  $\rho = 1000$  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 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

Maximum value of SAR (interpolated) = 0.107 mW/g

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

Reference Value = 5.45 V/m; Power Drift = 0.157 dB

Peak SAR (extrapolated) = 0.152 W/kg

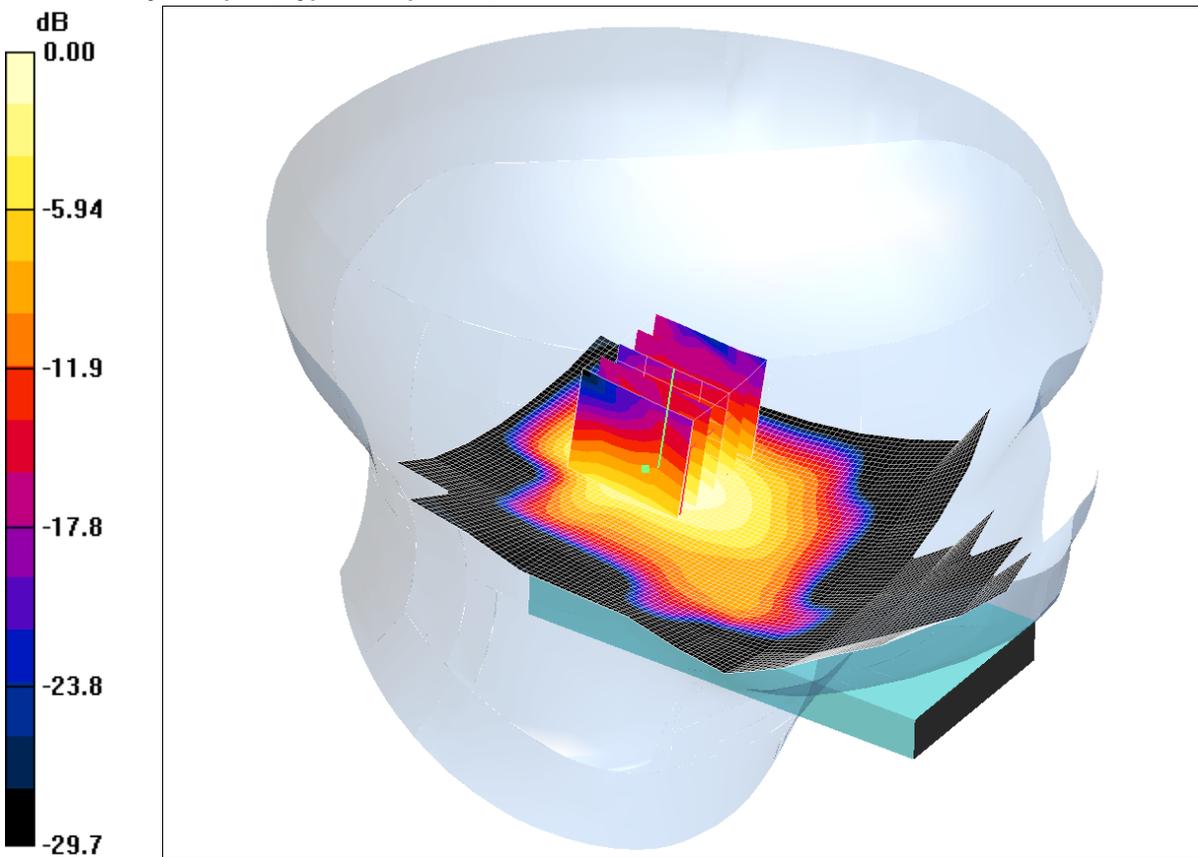
**SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.045 mW/g**

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

SCN/87696/097: Touch Left WLAN 802.11g 6Mbps CH6

Date: 25/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A0P



0 dB = 0.137mW/g

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

Medium: 2450 MHz HSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.81$  mho/m;  $\epsilon_r = 39.1$ ;  $\rho = 1000$  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: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

Maximum value of SAR (interpolated) = 0.145 mW/g

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

Reference Value = 4.46 V/m; Power Drift = 0.137 dB

Peak SAR (extrapolated) = 0.231 W/kg

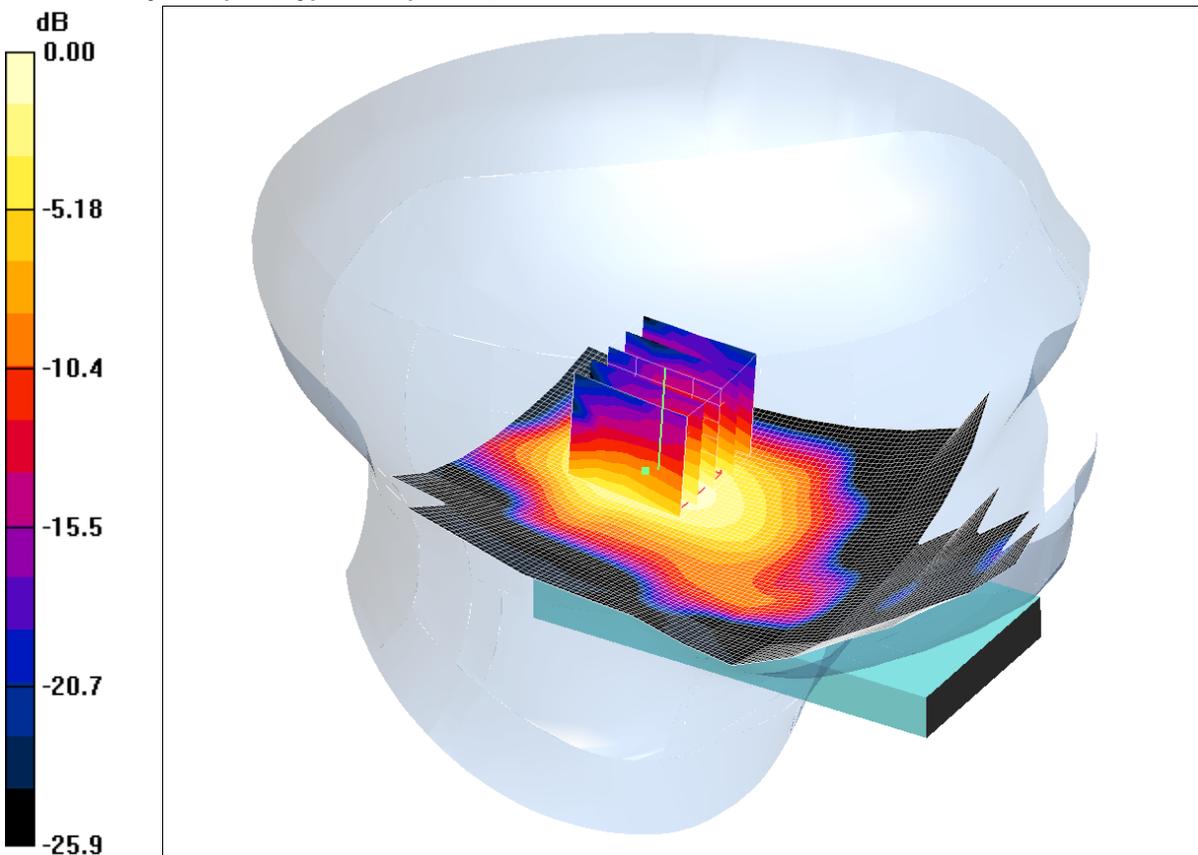
**SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.062 mW/g**

Maximum value of SAR (measured) = 0.137 mW/g

SCN/87696/098: Touch Left WLAN 802.11n 6\_5Mbps CH6

Date: 25/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A0P



0 dB = 0.151mW/g

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

Medium: 2450 MHz HSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.81$  mho/m;  $\epsilon_r = 39.1$ ;  $\rho = 1000$  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 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

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

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

Reference Value = 5.19 V/m; Power Drift = 0.146 dB

Peak SAR (extrapolated) = 0.216 W/kg

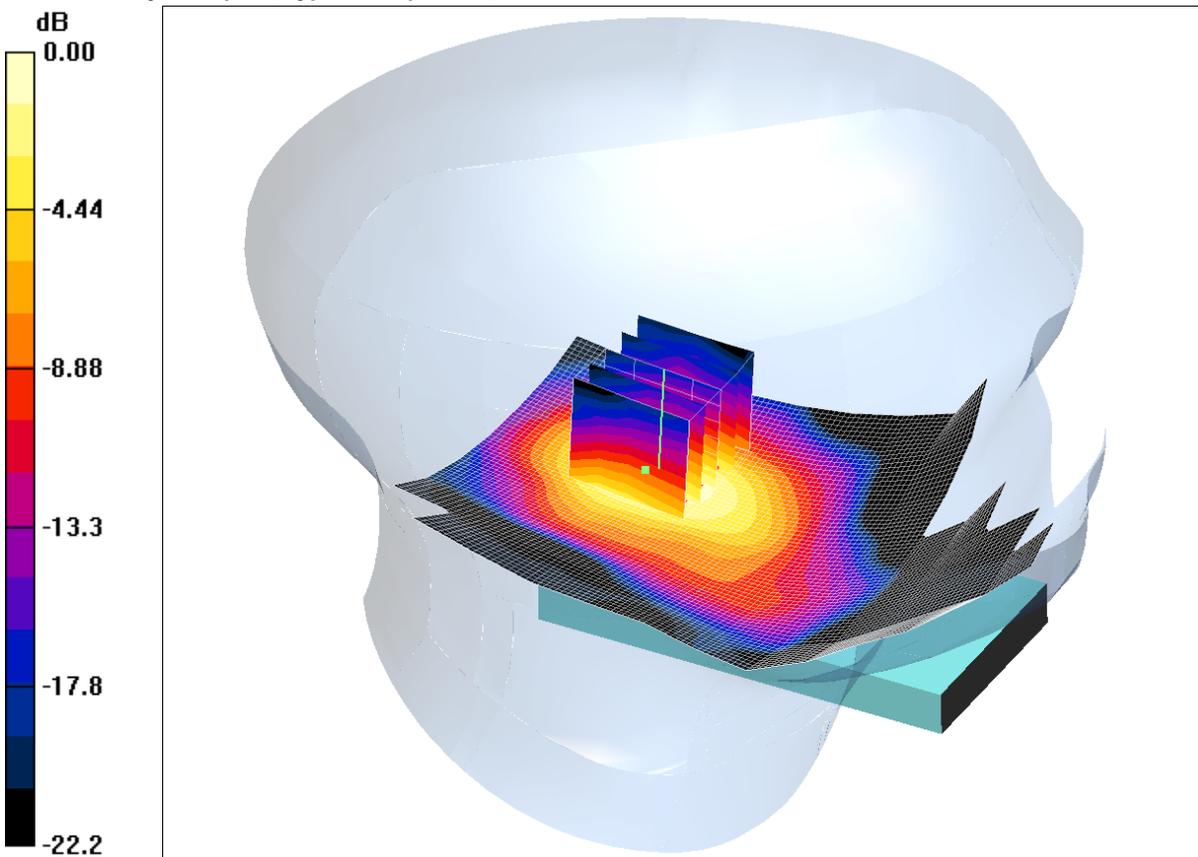
**SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.057 mW/g**

Maximum value of SAR (measured) = 0.151 mW/g

SCN/87696/099: Touch Left WLAN 802.11b 1Mbps CH1

Date: 25/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A0P



0 dB = 0.409mW/g

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

Medium: 2450 MHz HSL Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.77$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  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 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

Maximum value of SAR (interpolated) = 0.432 mW/g

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

Reference Value = 9.34 V/m; Power Drift = 0.017 dB

Peak SAR (extrapolated) = 0.583 W/kg

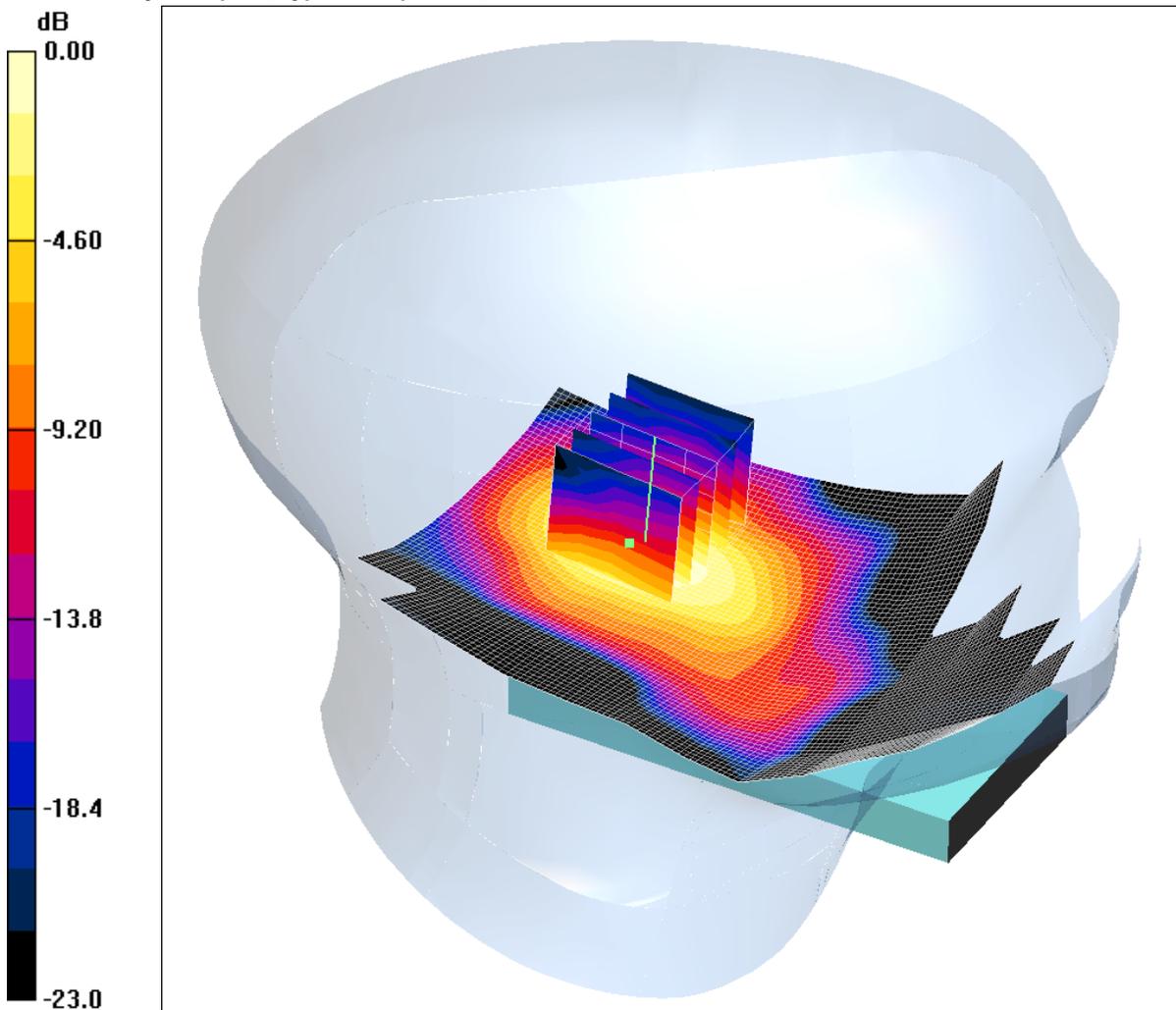
**SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.156 mW/g**

Maximum value of SAR (measured) = 0.409 mW/g

SCN/87696/100: Touch Left WLAN 802.11b 1Mbps CH11

Date 25/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A0P



0 dB = 0.280mW/g

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

Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2462 MHz;  $\sigma = 1.85$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  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: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 05/05/2011
- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

Maximum value of SAR (interpolated) = 0.293 mW/g

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

Reference Value = 7.26 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 0.502 W/kg

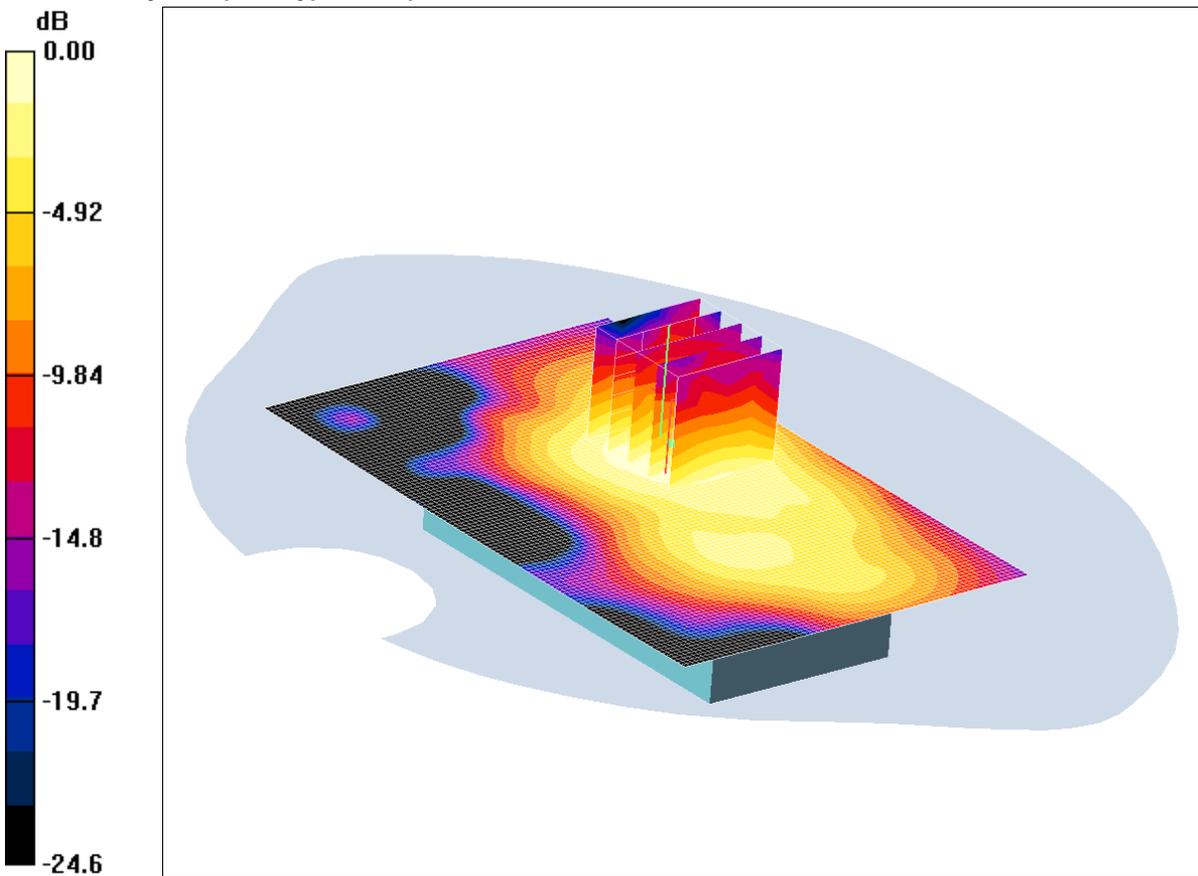
**SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.132 mW/g**

Maximum value of SAR (measured) = 0.280 mW/g

SCN/87696/101: Front of EUT Facing Phantom WLAN 802.11b 1Mbps CH6

Date: 27/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A0P



0 dB = 0.082mW/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;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  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 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

Maximum value of SAR (interpolated) = 0.087 mW/g

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

Reference Value = 4.64 V/m; Power Drift = -0.088 dB

Peak SAR (extrapolated) = 0.117 W/kg

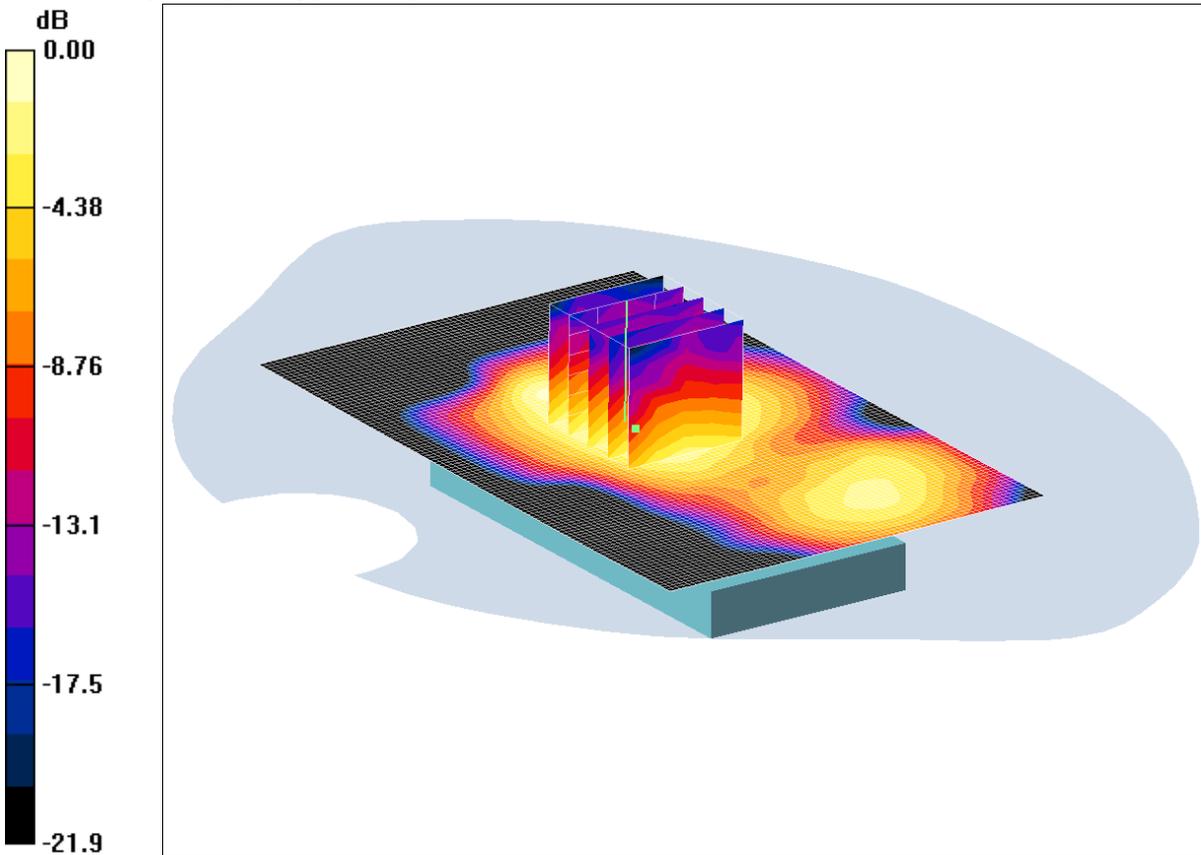
**SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.037 mW/g**

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

SCN/87696/102: Rear of EUT Facing Phantom WLAN 802.11b 1Mbps CH6

Date: 27/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A0P



0 dB = 0.120mW/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;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  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 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**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 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.62 V/m; Power Drift = 0.052 dB

Peak SAR (extrapolated) = 0.165 W/kg

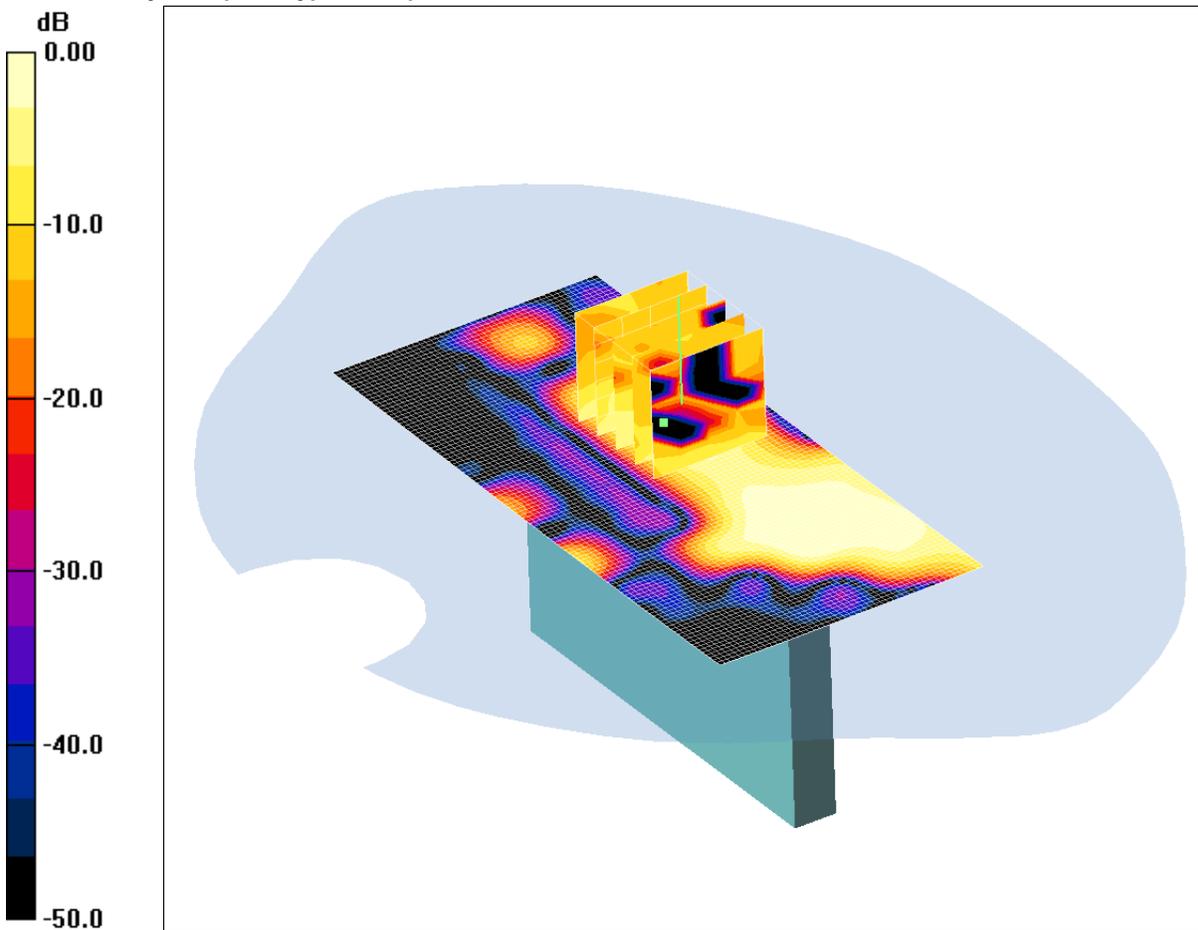
**SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.053 mW/g**

Maximum value of SAR (measured) = 0.120 mW/g

SCN/87696/103: Left Hand Side of EUT Facing Phantom WLAN 802.11b 1Mbps CH6

Date: 27/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A0P



0 dB = 0.016mW/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;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  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 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

Maximum value of SAR (interpolated) = 0.031 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 = 2.15 V/m; Power Drift = 0.156 dB

Peak SAR (extrapolated) = 0.047 W/kg

**SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00516 mW/g**

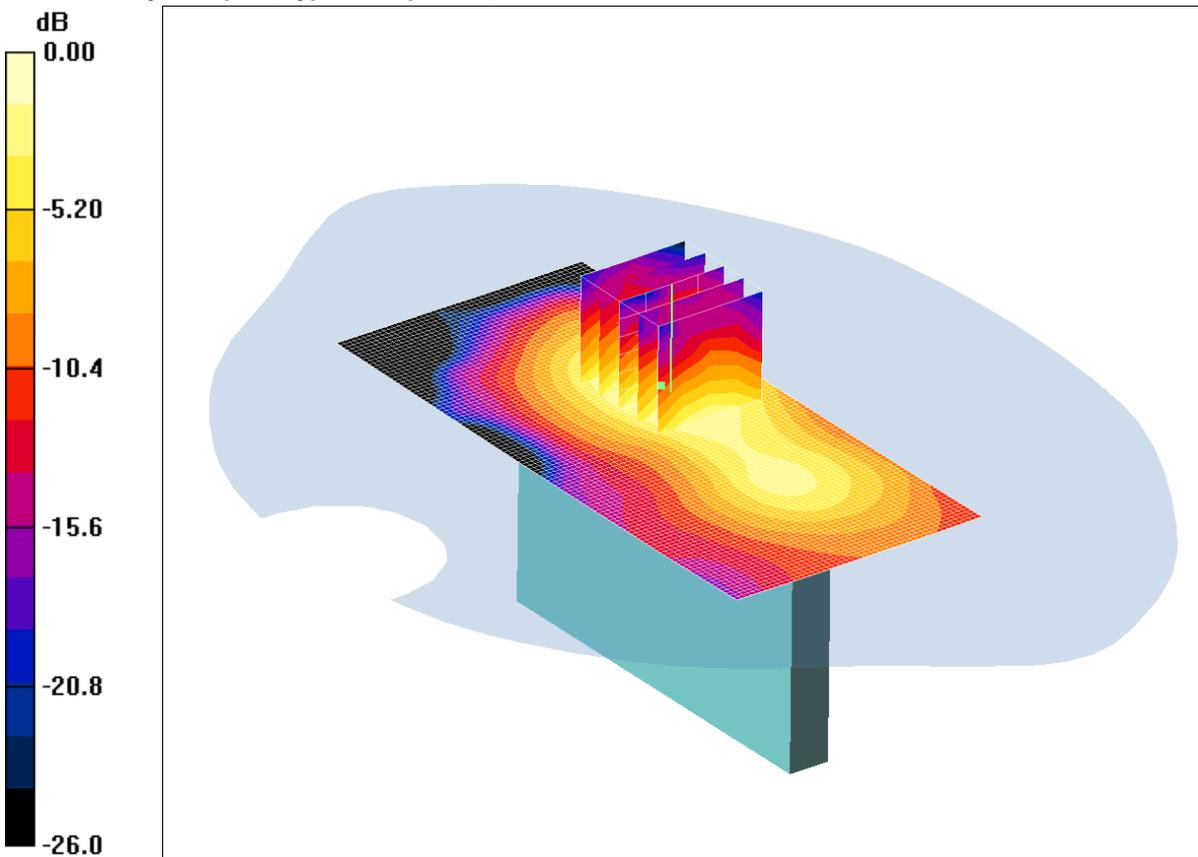
Maximum value of SAR (measured) = 0.016 mW/g

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

SCN/87696/104: Right Hand Side of EUT Facing Phantom WLAN 802.11b 1Mbps CH6

Date: 27/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A0P



0 dB = 0.124mW/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;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  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 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

Maximum value of SAR (interpolated) = 0.125 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 = 4.75 V/m; Power Drift = 0.193 dB

Peak SAR (extrapolated) = 0.178 W/kg

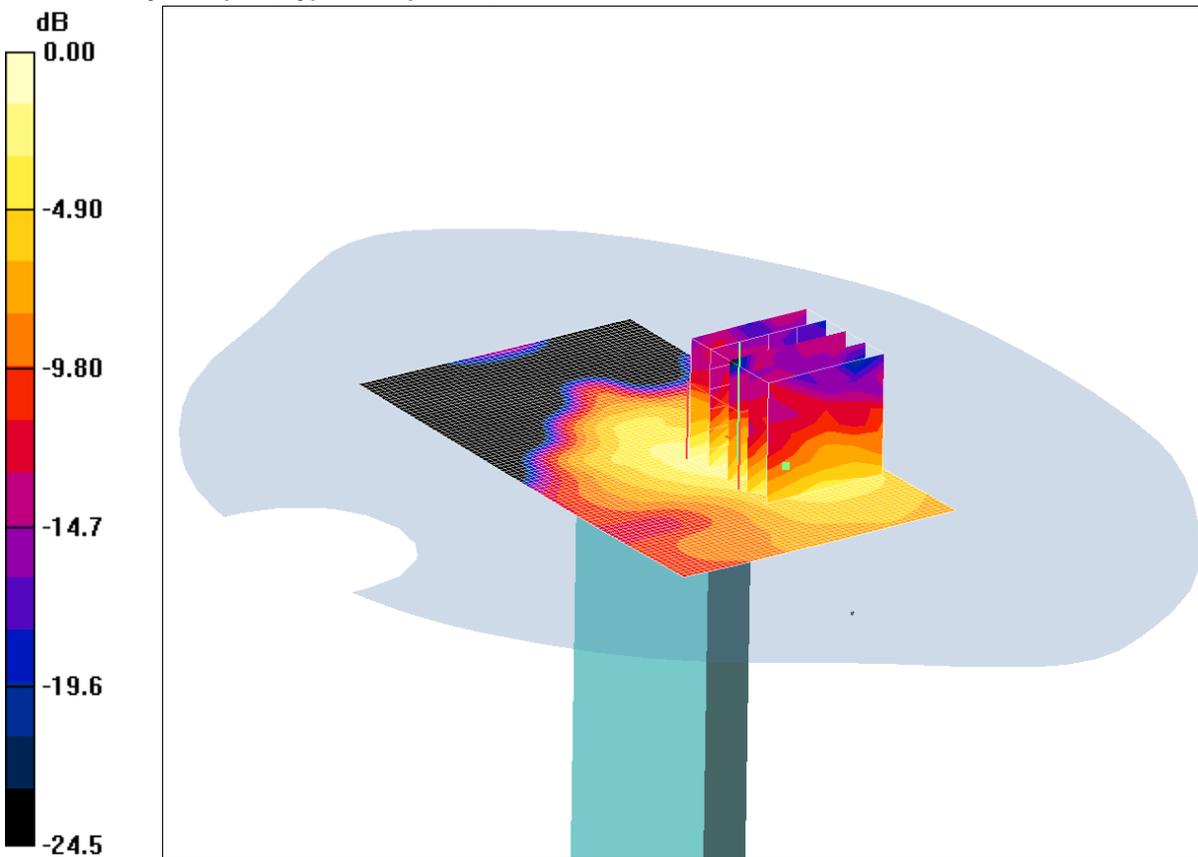
**SAR(1 g) = 0.095 mW/g; SAR(10 g) = 0.050 mW/g**

Maximum value of SAR (measured) = 0.124 mW/g

SCN/87696/105: Top of EUT Facing Phantom WLAN 802.11b 1Mbps CH6

Date: 27/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A0P



0 dB = 0.048mW/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;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  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 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**Top of EUT Facing Phantom - Middle/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 3.04 V/m; Power Drift = -0.167 dB

Peak SAR (extrapolated) = 0.072 W/kg

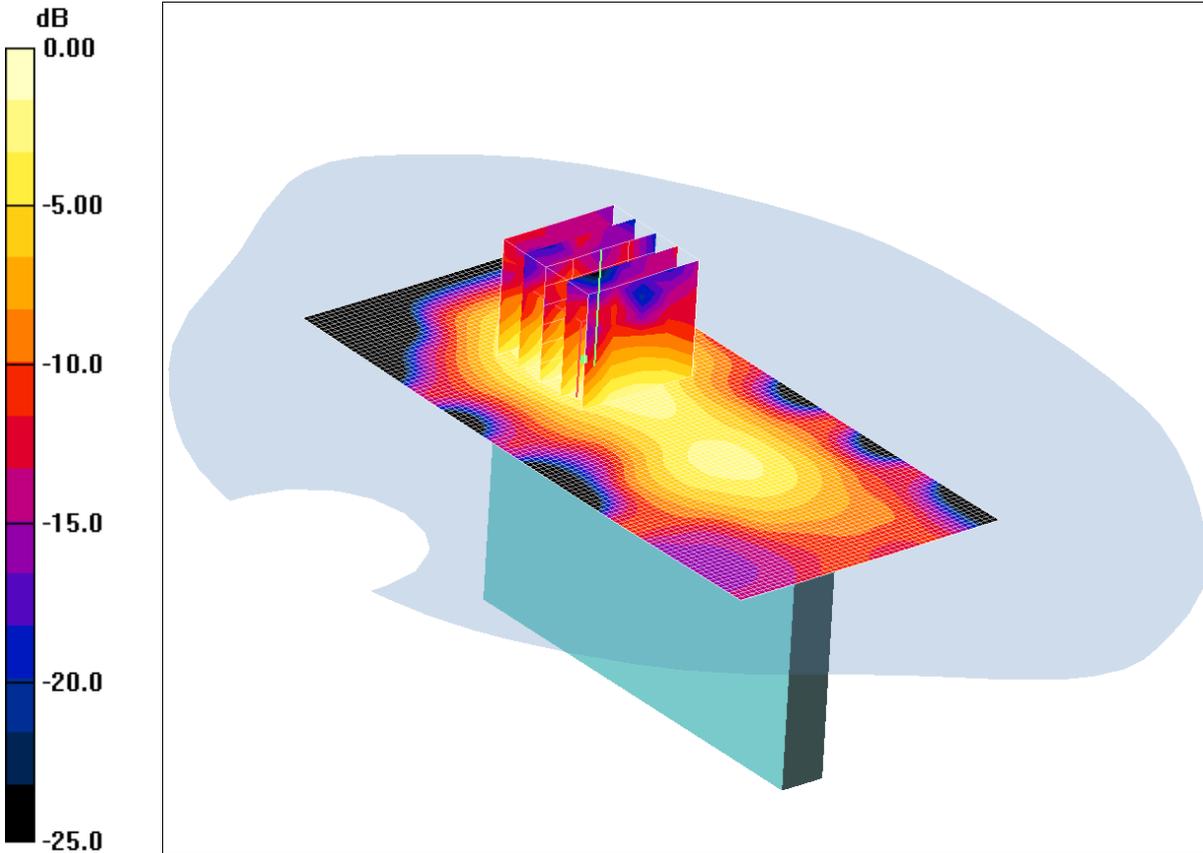
**SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.015 mW/g**

Maximum value of SAR (measured) = 0.048 mW/g

SCN/87696/106: Right Hand Side of EUT Facing Phantom WLAN 802.11g 6Mbps CH6

Date: 27/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A0P



0 dB = 0.048mW/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;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  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 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

Maximum value of SAR (interpolated) = 0.052 mW/g

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

Reference Value = 3.30 V/m; Power Drift = 0.081 dB

Peak SAR (extrapolated) = 0.070 W/kg

**SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.020 mW/g**

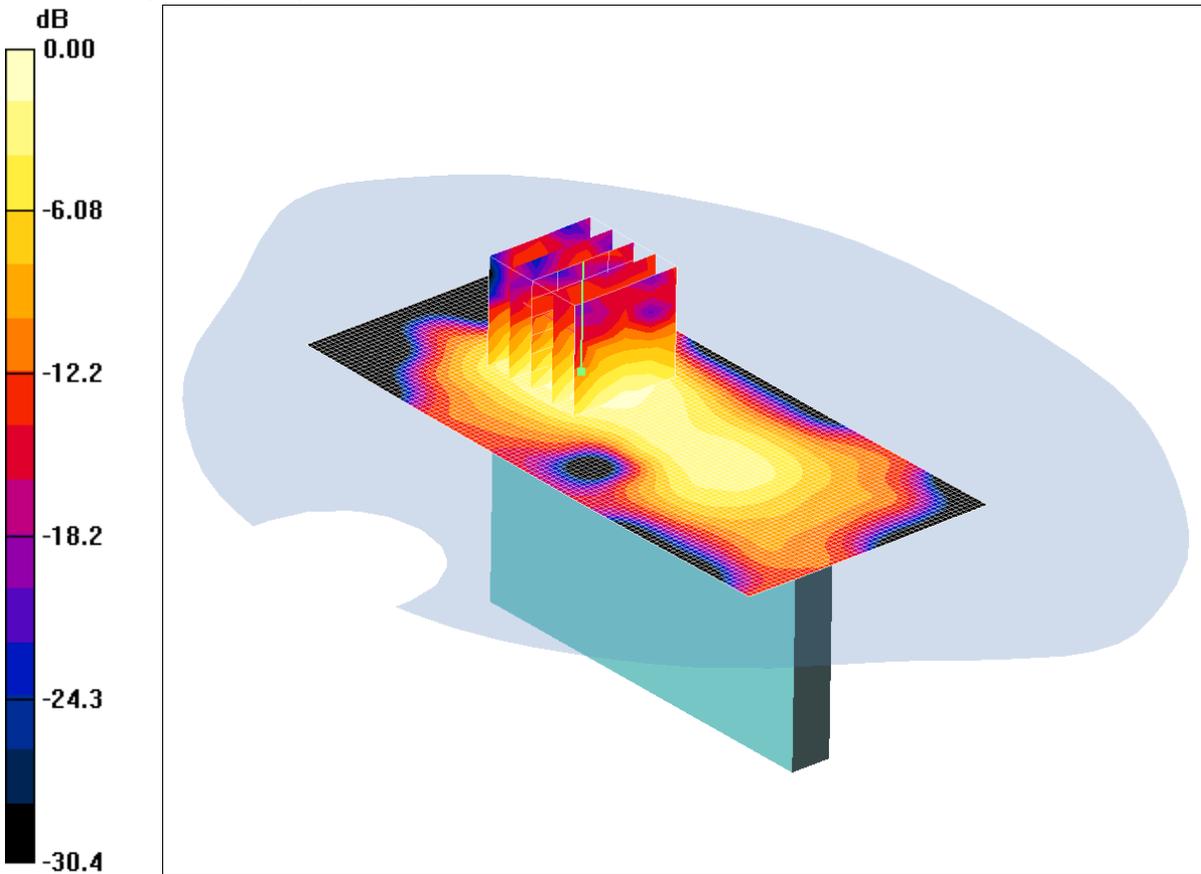
Maximum value of SAR (measured) = 0.048 mW/g

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

SCN/87696/107: Right Hand Side of EUT Facing Phantom WLAN 802.11n 6\_5Mbps CH6

Date: 27/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A0P



0 dB = 0.047mW/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;  $\epsilon_r$  = 53.5;  $\rho$  = 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 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

Maximum value of SAR (interpolated) = 0.048 mW/g

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

Reference Value = 3.30 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.069 W/kg

**SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.018 mW/g**

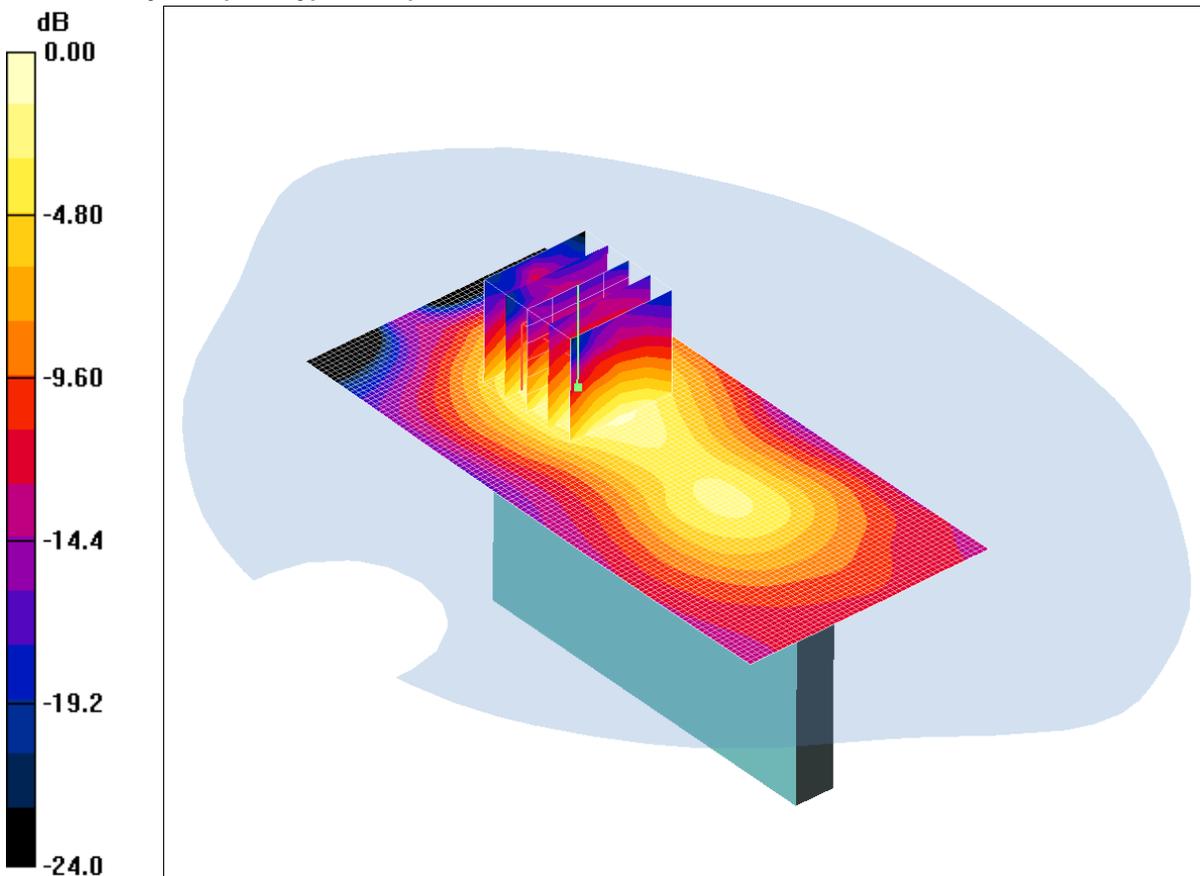
Maximum value of SAR (measured) = 0.047 mW/g

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

SCN/87696/108: Right Hand Side of EUT Facing Phantom WLAN 802.11b 1Mbps CH1

Date: 27/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A0P



0 dB = 0.115mW/g

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

Medium: 2450 MHz MSL Medium parameters used (interpolated): f = 2412 MHz;  $\sigma = 1.95$  mho/m;  $\epsilon_r = 53.7$ ;  $\rho = 1000$  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 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

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

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

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

Reference Value = 5.19 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 0.162 W/kg

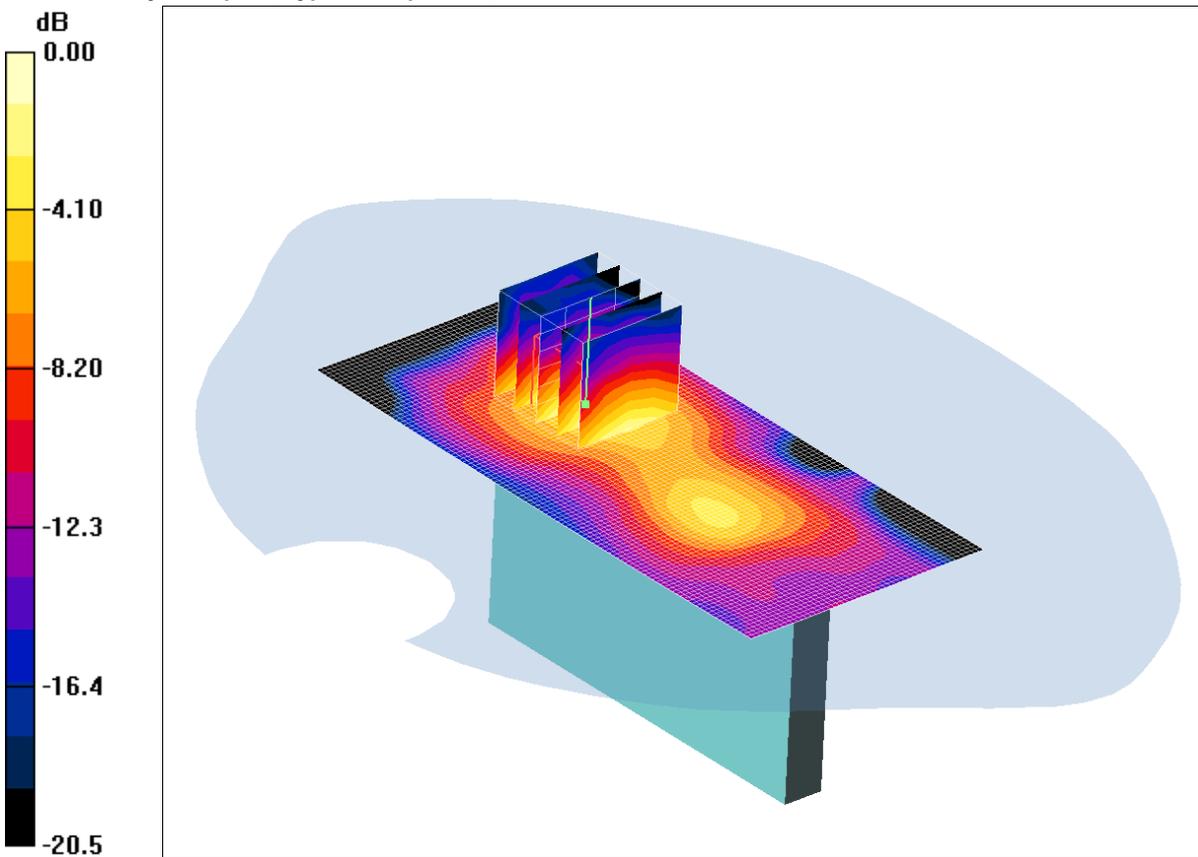
**SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.045 mW/g**

Maximum value of SAR (measured) = 0.115 mW/g

SCN/87696/109: Right Hand Side of EUT Facing Phantom WLAN 802.11b 1Mbps CH11

Date: 27/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A0P



0 dB = 0.122mW/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;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  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 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

Maximum value of SAR (interpolated) = 0.069 mW/g

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

Reference Value = 4.87 V/m; Power Drift = 0.187 dB

Peak SAR (extrapolated) = 0.174 W/kg

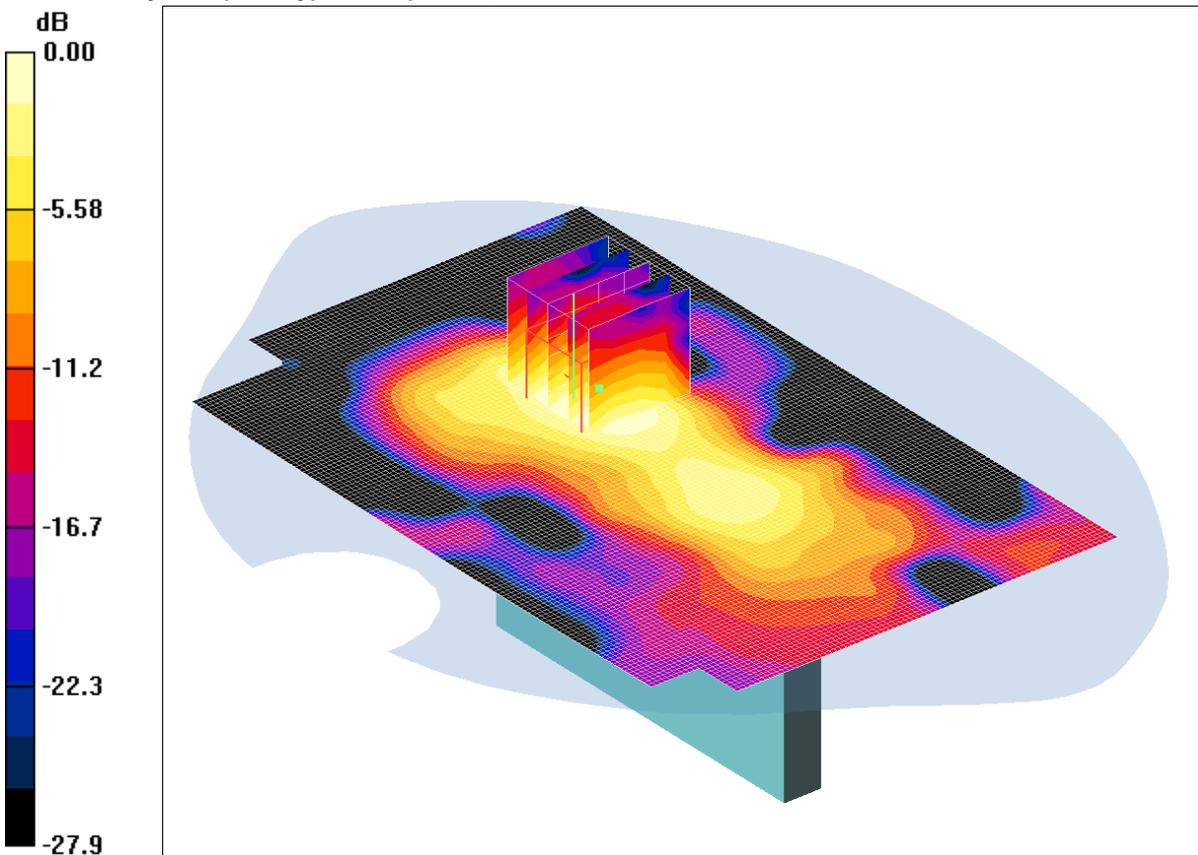
**SAR(1 g) = 0.092 mW/g; SAR(10 g) = 0.048 mW/g**

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

SCN/87696/110: Right Hand Side of EUT Facing Phantom with PHF WLAN 802.11b 1Mbps CH6

Date: 27/04/2012

DUT: Sony Kumquat ; Type: Kumquat 125; Serial: BX902T0A0P



0 dB = 0.140mW/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;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  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 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**Right Hand Side of EUT Facing Phantom with PHF - Middle/Area Scan (91x141x1):** Measurement grid:

dx=15mm, dy=15mm

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

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

Measurement grid: dx=8mm, dy=8mm, dz=5mm

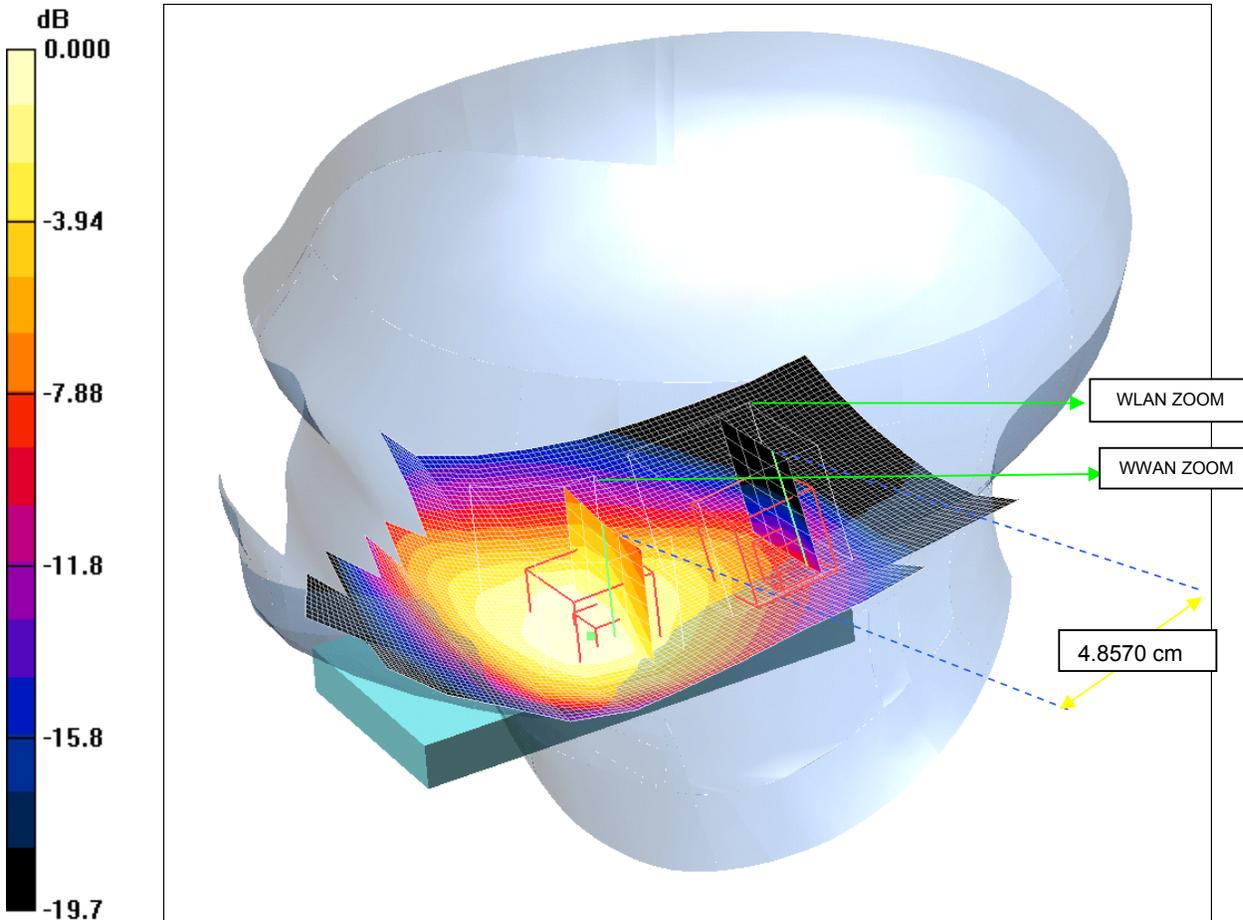
Reference Value = 5.17 V/m; Power Drift = -0.049 dB

Peak SAR (extrapolated) = 0.204 W/kg

**SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.056 mW/g**

Maximum value of SAR (measured) = 0.140 mW/g

SCN/87696/111: Touch Right GSM CH251+ WLAN 802.11b 1Mbps SPLSR Calculations  
 DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3WSerial: BX902T0A0P



0 dB = 1.50mW/g

**SPLSR Calculation:**

WWAN (GSM850 CH251) Peak Co-ordinates			WLAN802.11b 1Mbps CH6 Peak Co-ordinates		
X <sub>1</sub>	Y <sub>1</sub>	Z <sub>1</sub>	X <sub>2</sub>	Y <sub>2</sub>	Z <sub>2</sub>
(m)	(m)	(m)	(m)	(m)	(m)
0.0487	-0.2680	-0.1790	0.0022	-0.2810	-0.1740

$x=(X_2 - X_1)^2$	$y=(Y_2 - Y_1)^2$	$z=(Z_2 - Z_1)^2$	Square Root of Sum of x, y, z (m)
0.0021650	0.0001690	0.0000250	0.0485700

SPLSR =	Sum of PEAK WWAN and WLAN SAR (w/Kg) / Distance between Peak's Calculated (cm)	
	(1.530+0.139)/4.857000	
	0.3436280	> 0.3
As per KDB 648474 D01 v01r05, Simultaneous Transmission Required		

**CONCLUSION:**

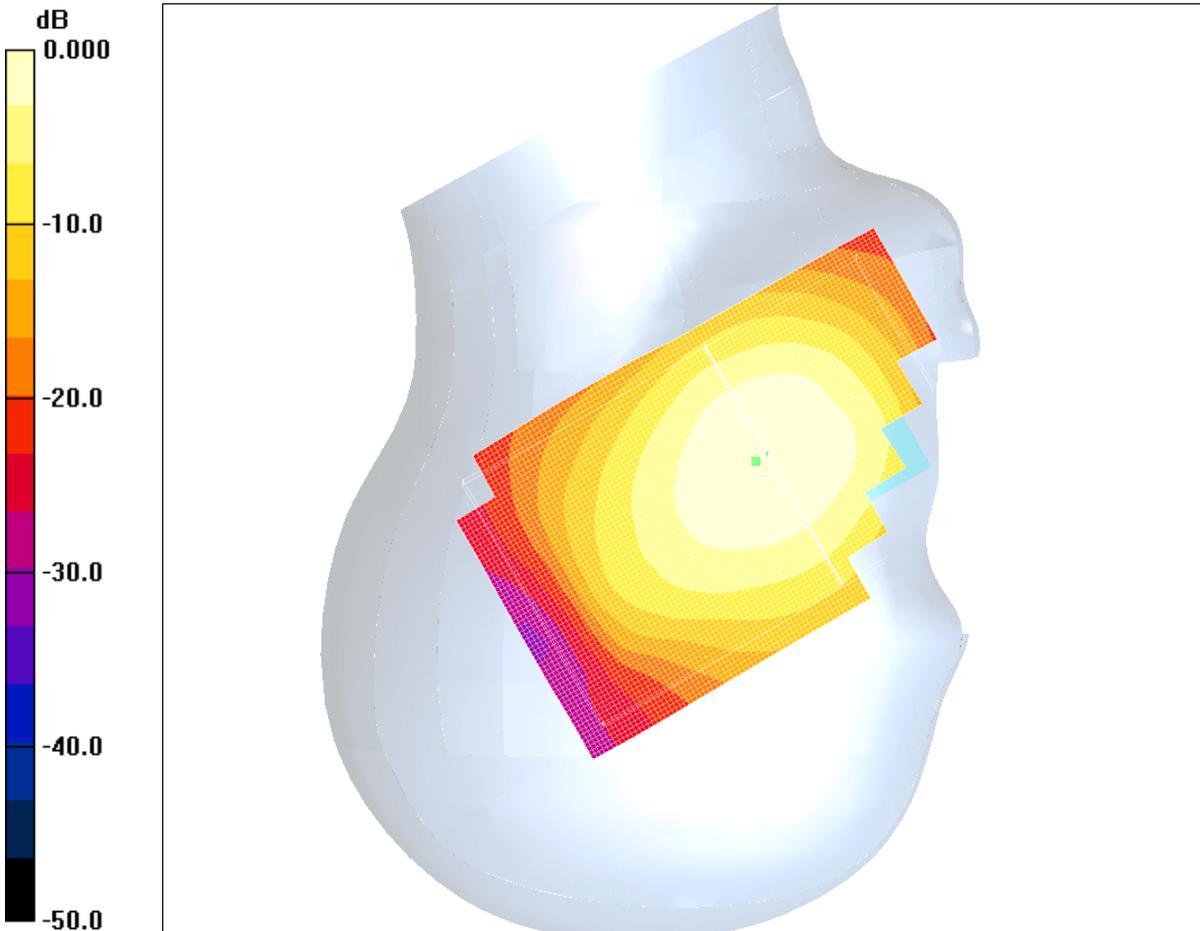
Simultaneous transmission SAR evaluation is required due to SAR to peak location separation ratios are greater than 0.3, therefore, measure Simultaneous Transmission SAR with Volume Scans is required.

SCN/87696/112: Simultaneous Transmission GSM CH251 + WLAN802.11b 1 Mbps CH6

**Volume Scan Touch Right GSM CH251:**

Date: 27/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 1.42mW/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;  $\sigma = 0.907$  mho/m;  $\epsilon_r = 43.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 176

**Touch Right - Middle/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.42 mW/g

**Touch Right - Middle/Volume Scan 2 (12x19x10):** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.2 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 1.53 W/kg

**SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.947 mW/g**

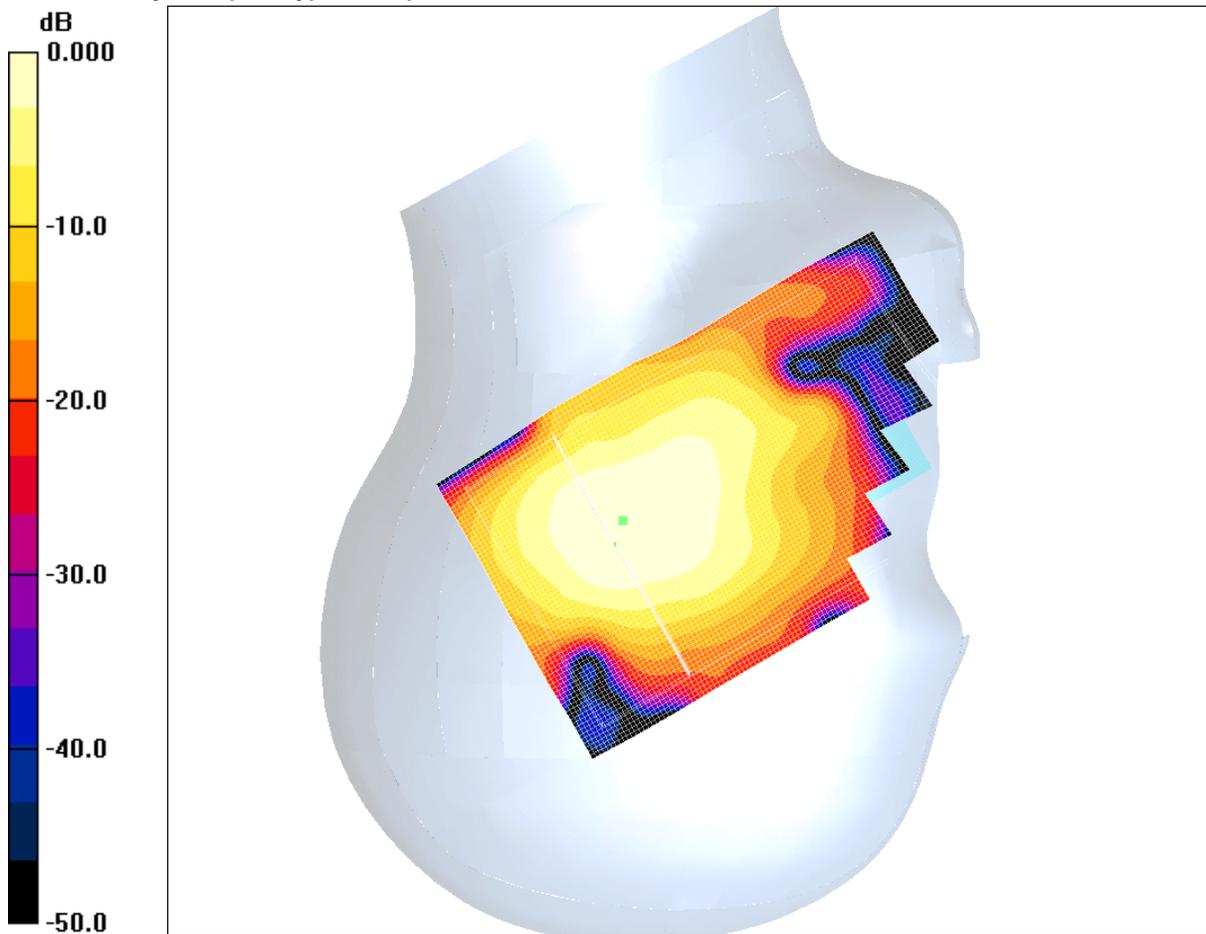
Total Absorbed Power = 0.106169 W

Maximum value of SAR (measured) = 1.31 mW/g

**Volume Scan Touch Right WLAN 802.11b 1Mbps CH6:**

Date: 27/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 0.176mW/g

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

Medium: 2450 MHz HSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.85$  mho/m;  $\epsilon_r = 38.8$ ;  $\rho = 1000$  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: 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/Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.176 mW/g

**Touch Right - Middle/Volume Scan 2 (12x19x10):** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.81 V/m; Power Drift = 0.188 dB

Peak SAR (extrapolated) = 0.724 W/kg

**SAR(1 g) = 0.154 mW/g; SAR(10 g) = 0.086 mW/g**

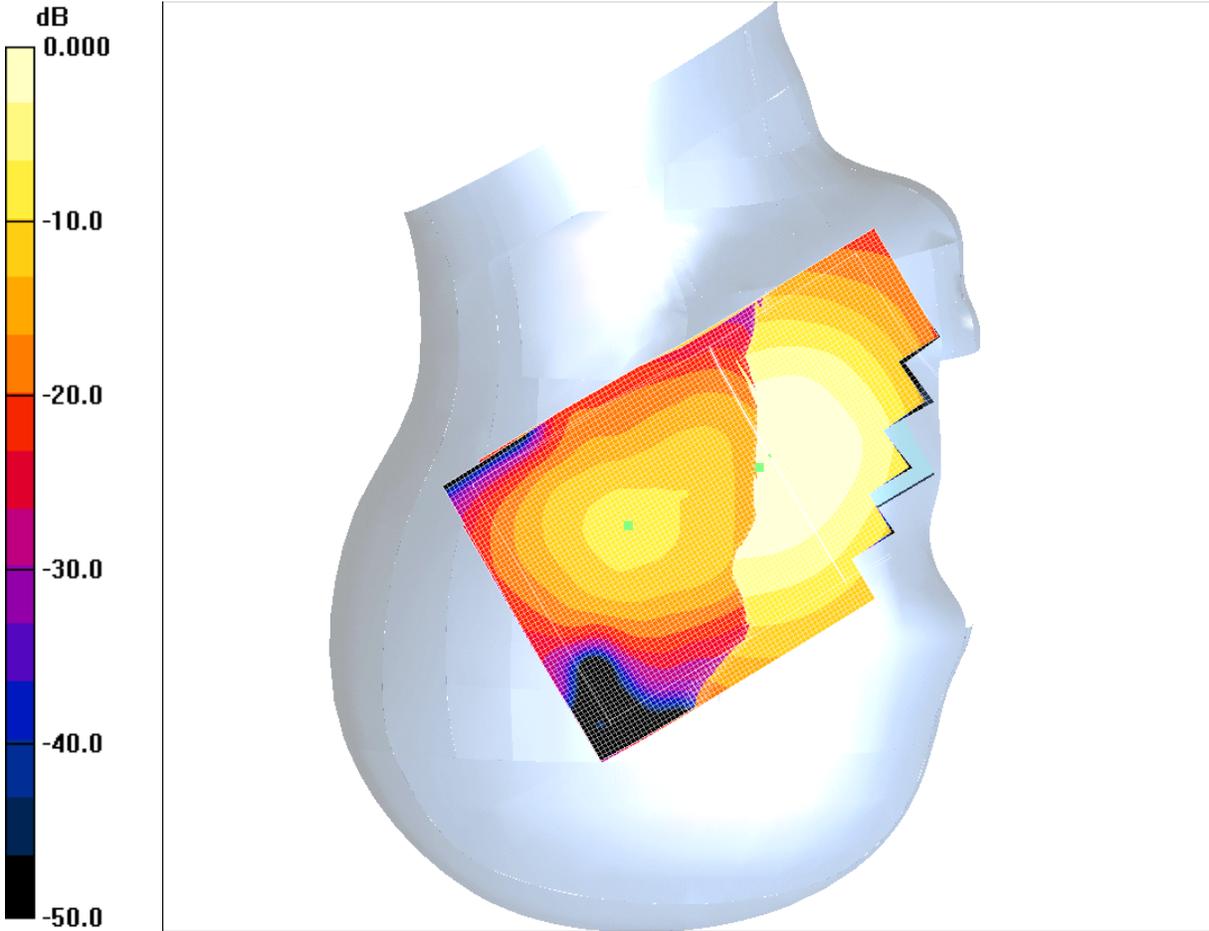
Total Absorbed Power = 0.00560989 W

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

**Multi Band Combined Scan: Simultaneous Transmission Touch Right GSM CH251 + WLAN  
802.11b1Mbps CH6:**

Date 27/04/2012

DUT: Sony Kumquat; Type: Kumquat 125; Serial: BX902T0A3W



0 dB = 1.34mW/g

**Multi Band Result:**

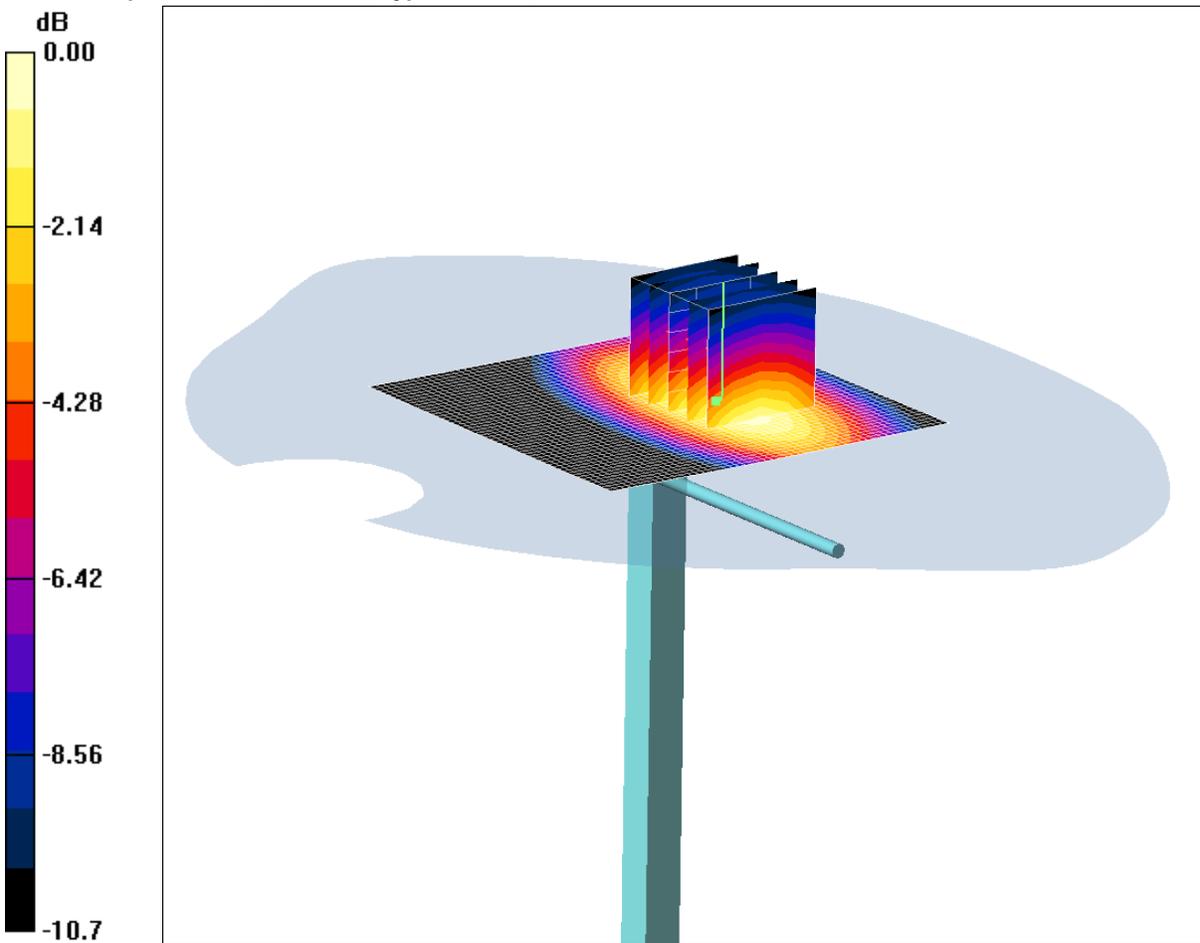
**SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.969 mW/g**

Maximum value of SAR (measured) = 1.34 mW/g

SCN/87696/113: System Performance Check 900MHz Head 24 04 12

Date: 24/04/2012

DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124



0 dB = 3.01mW/g

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: 900 MHz HSL Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 0.94 \text{ mho/m}$ ;  $\epsilon_r = 43.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**d=15mm, Pin=250mW/Area Scan (51x51x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 2.92 mW/g

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

Reference Value = 44.1 V/m; Power Drift = 0.036 dB

Peak SAR (extrapolated) = 3.85 W/kg

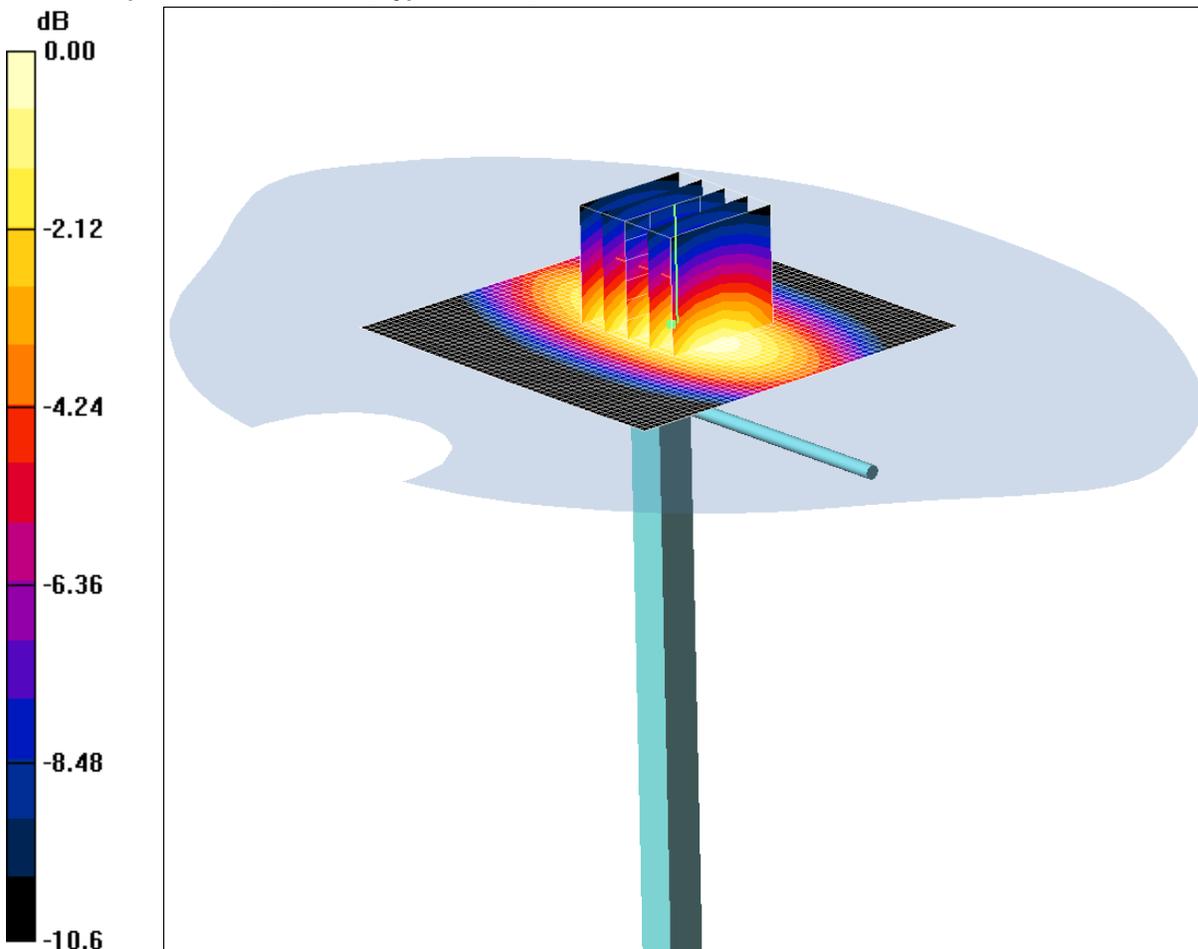
**SAR(1 g) = 2.74 mW/g; SAR(10 g) = 1.8 mW/g**

Maximum value of SAR (measured) = 3.01 mW/g

SCN/87696/014: System Performance Check 900MHz Head 27 04 12

Date: 27/04/2012

DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124



0 dB = 2.87mW/g

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: 900 MHz HSL Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 0.94 \text{ mho/m}$ ;  $\epsilon_r = 43.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.85, 5.85, 5.85); Calibrated: 18/07/2011

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

- Electronics: DAE3 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**d=15mm, Pin=250mW/Area Scan (51x51x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 2.98 mW/g

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

Reference Value = 57.4 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 3.75 W/kg

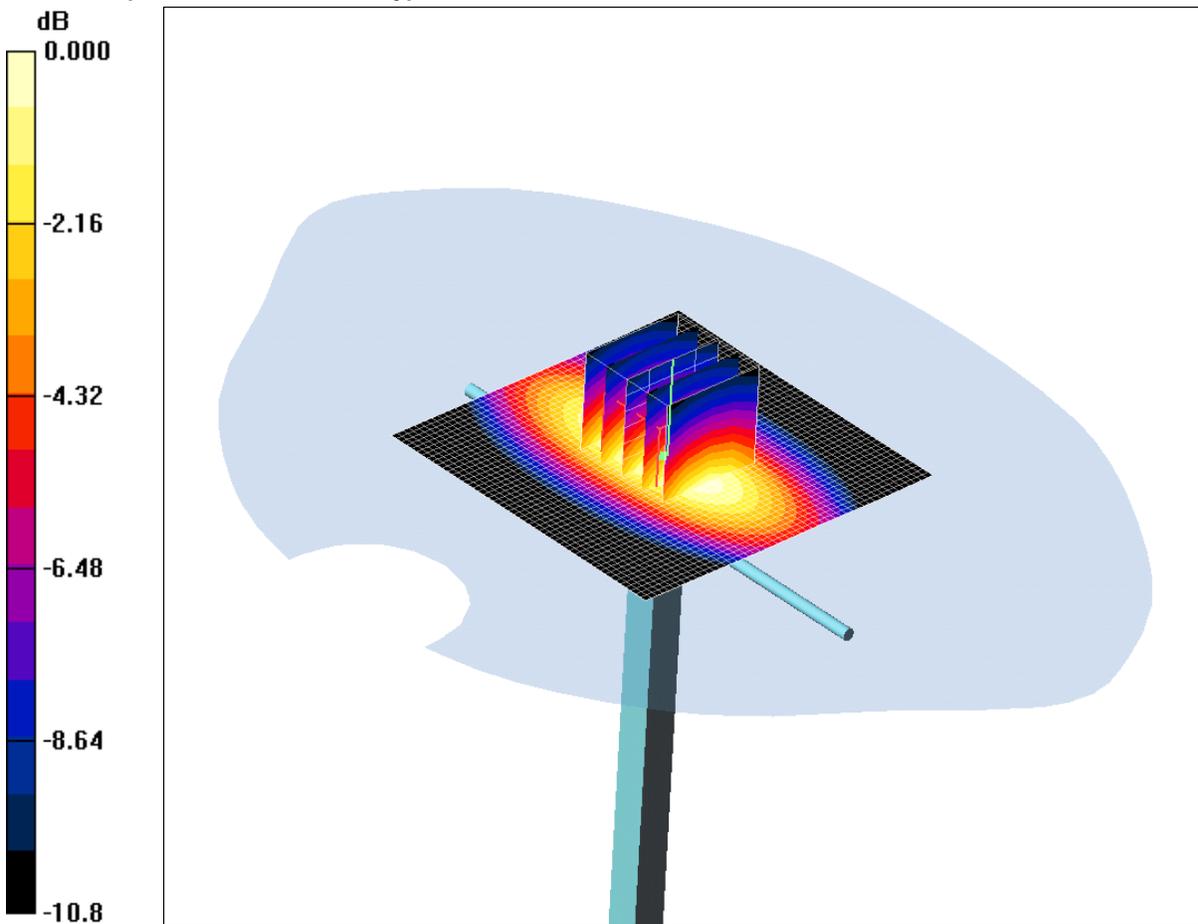
**SAR(1 g) = 2.67 mW/g; SAR(10 g) = 1.77 mW/g**

Maximum value of SAR (measured) = 2.87 mW/g

SCN/87696/115: System Performance Check 900MHz Body 24 04 12

Date 24/04/2012

DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124



0 dB = 2.97mW/g

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 1.05 \text{ mho/m}$ ;  $\epsilon_r = 53.3$ ;  $\rho = 1000 \text{ kg/m}^3$

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) = 3.09 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 = 0.010 dB

Peak SAR (extrapolated) = 4.19 W/kg

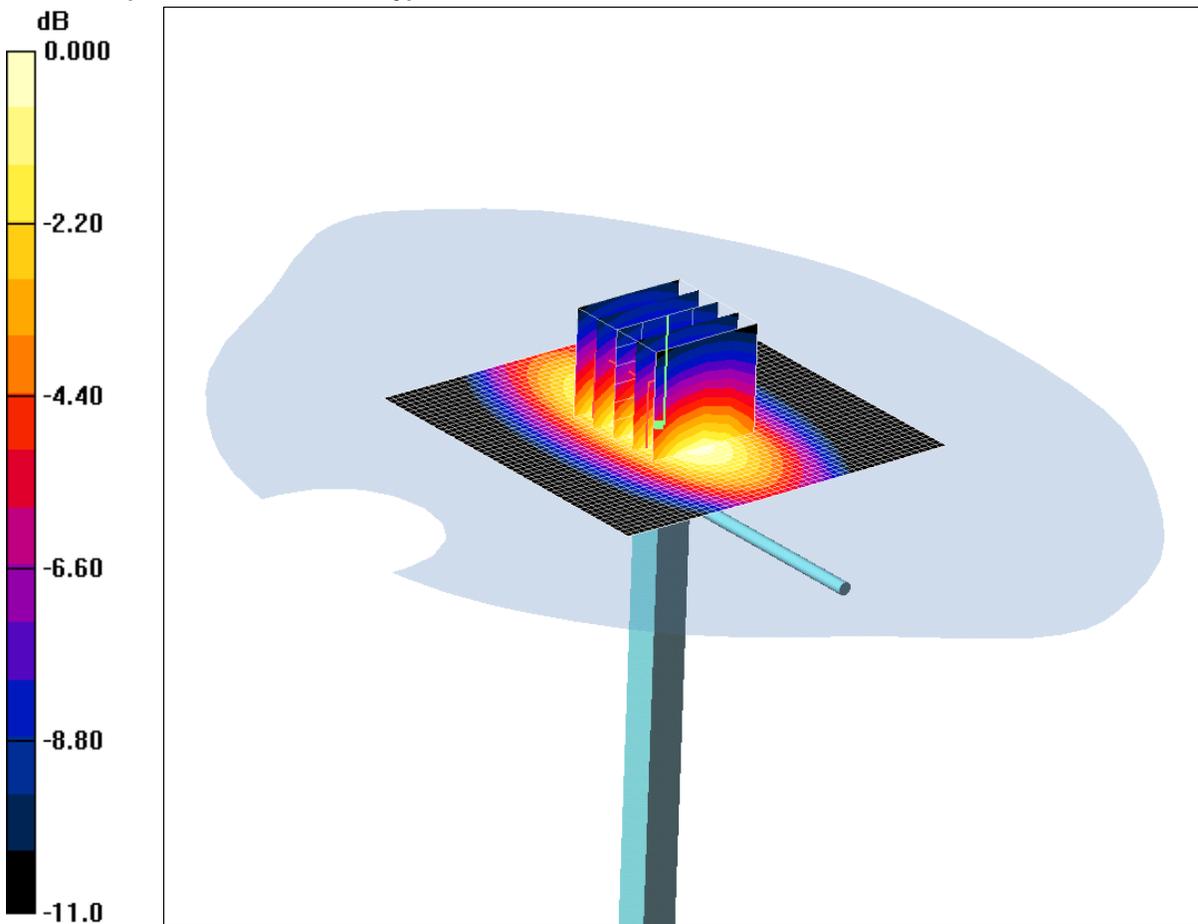
**SAR(1 g) = 2.77 mW/g; SAR(10 g) = 1.79 mW/g**

Maximum value of SAR (measured) = 2.97 mW/g

SCN/87696/116: System Performance Check sn3814 900MHz Body 25 04 12

Date: 25/04/2012

DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124



0 dB = 2.96mW/g

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 1.04 \text{ mho/m}$ ;  $\epsilon_r = 53.2$ ;  $\rho = 1000 \text{ kg/m}^3$

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=20mm, dy=20mm

Maximum value of SAR (interpolated) = 3.09 mW/g

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

Reference Value = 53.2 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 4.13 W/kg

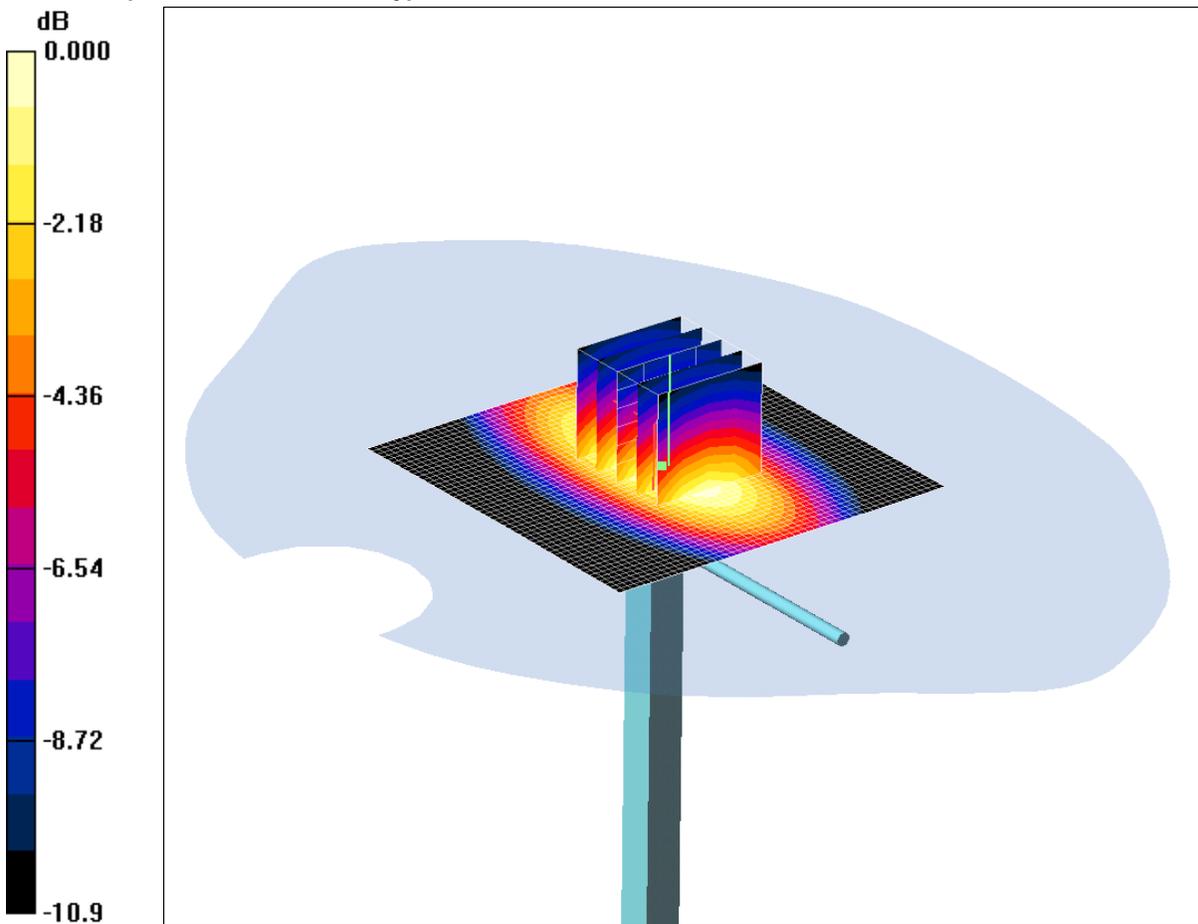
**SAR(1 g) = 2.74 mW/g; SAR(10 g) = 1.77 mW/g**

Maximum value of SAR (measured) = 2.96 mW/g

SCN/87696/117: System Performance Check sn1528 900MHz Body 25 04 12

Date: 25/04/2012

DUT: Dipole 900 MHz; SN: 124; Type: D900V2; Serial: SN124



0 dB = 3.05mW/g

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 1.04 \text{ mho/m}$ ;  $\epsilon_r = 53.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(5.77, 5.77, 5.77); Calibrated: 18/07/2011

- 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) = 3.20 mW/g

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

Reference Value = 56.9 V/m; Power Drift = -0.042 dB

Peak SAR (extrapolated) = 4.02 W/kg

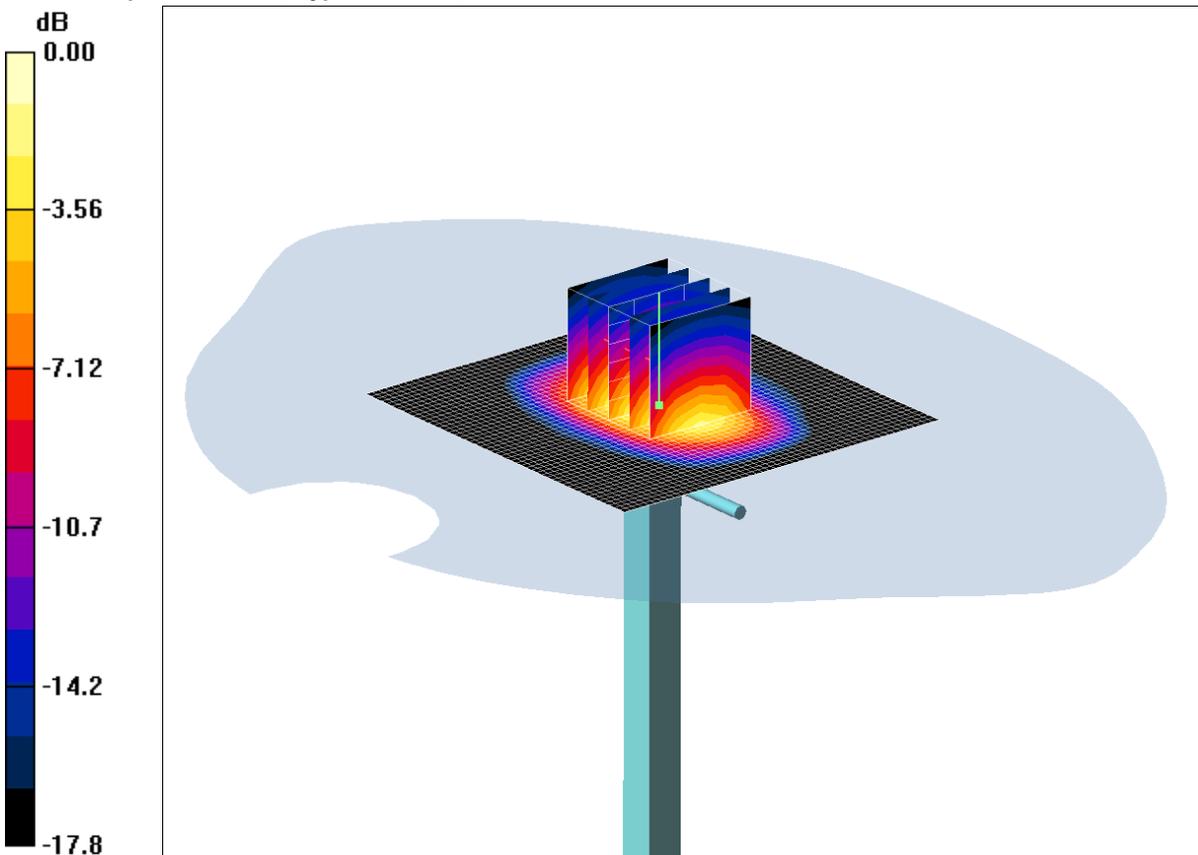
**SAR(1 g) = 2.82 mW/g; SAR(10 g) = 1.84 mW/g**

Maximum value of SAR (measured) = 3.05 mW/g

SCN/87696/118: System Performance Check 1900MHz Head 26 04 12

Date: 26/04/2012

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540



0 dB = 11.8mW/g

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 MHz HSL Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.43 \text{ mho/m}$ ;  $\epsilon_r = 38.8$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**d=10mm, Pin=250mW/Area Scan (51x51x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 15.7 mW/g

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

Reference Value = 88.9 V/m; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 19.7 W/kg

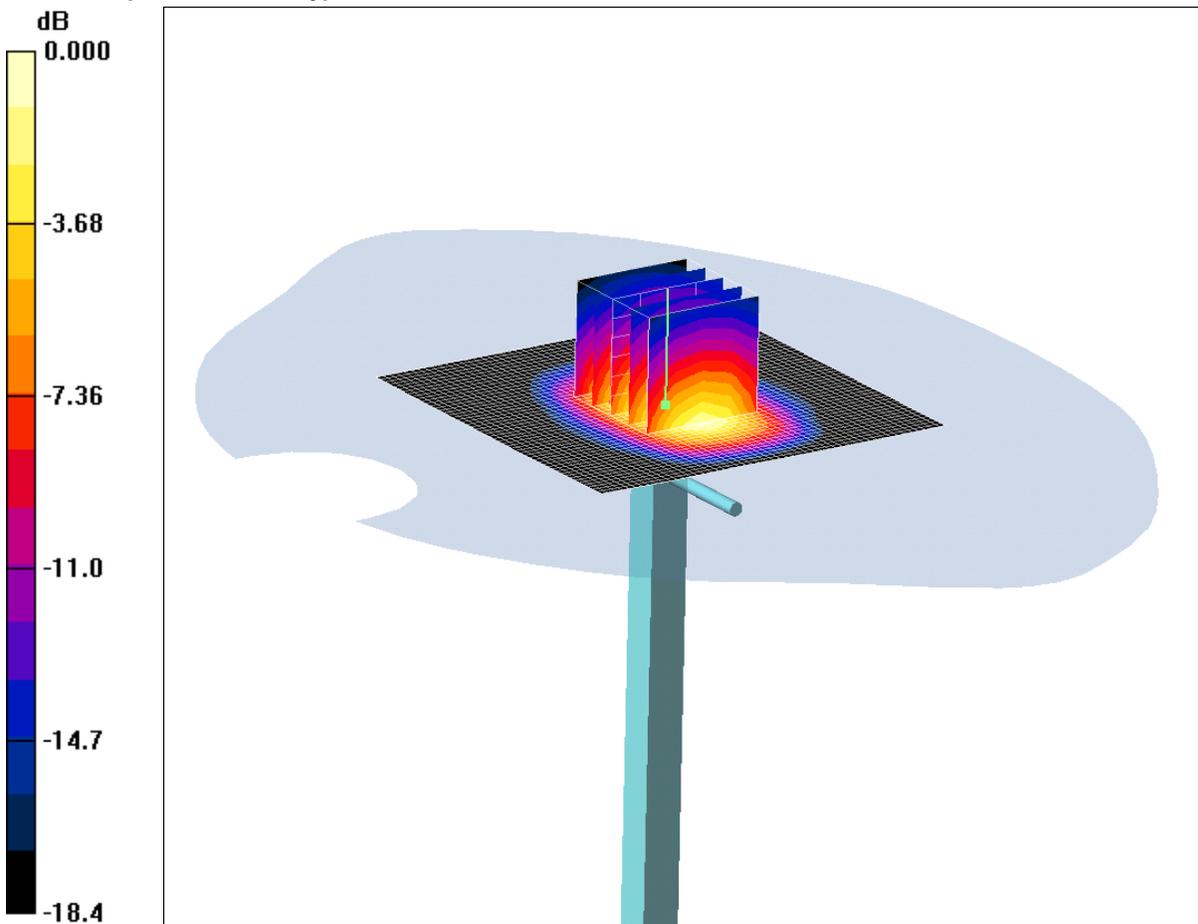
**SAR(1 g) = 10.5 mW/g; SAR(10 g) = 5.44 mW/g**

Maximum value of SAR (measured) = 11.8 mW/g

SCN/87696/119: System Performance Check 1900MHz Body 26 04 12

Date: 26/04/2012

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540



0 dB = 11.2mW/g

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 MHz MSL Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.59$  mho/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1528; ConvF(4.37, 4.37, 4.37); Calibrated: 18/07/2011

- 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) = 15.2 mW/g

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

Reference Value = 89.6 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 17.1 W/kg

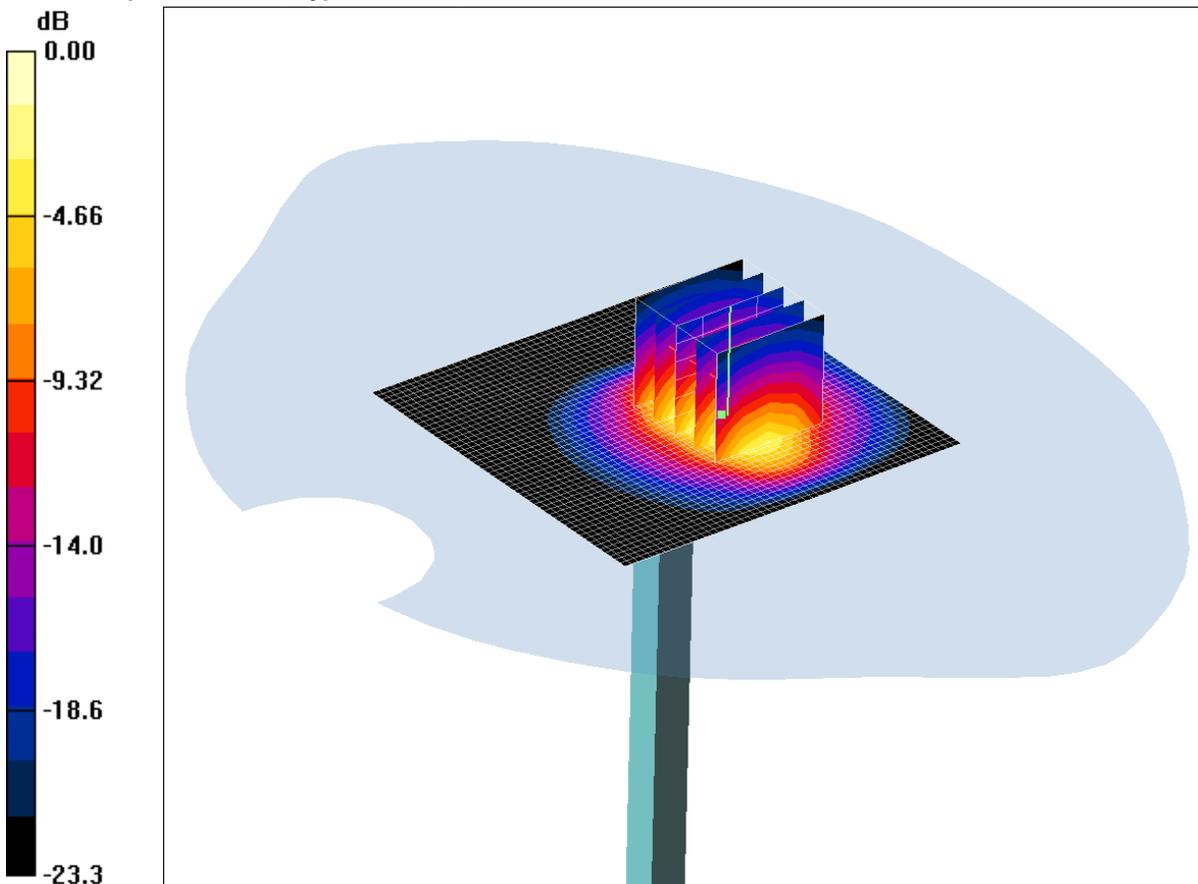
**SAR(1 g) = 9.98 mW/g; SAR(10 g) = 5.26 mW/g**

Maximum value of SAR (measured) = 11.2 mW/g

SCN/87696/120: System Performance Check 2450MHz Head 25 04 12

Date: 25/04/2012

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:725



0 dB = 19.4mW/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;  $\epsilon_r = 39$ ;  $\rho = 1000$  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: 2.5mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**d=10mm, Pin=250mW 2/Area Scan (51x51x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 19.3 mW/g

**d=10mm, Pin=250mW 2/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 56.9 V/m; Power Drift = 0.077 dB

Peak SAR (extrapolated) = 28.8 W/kg

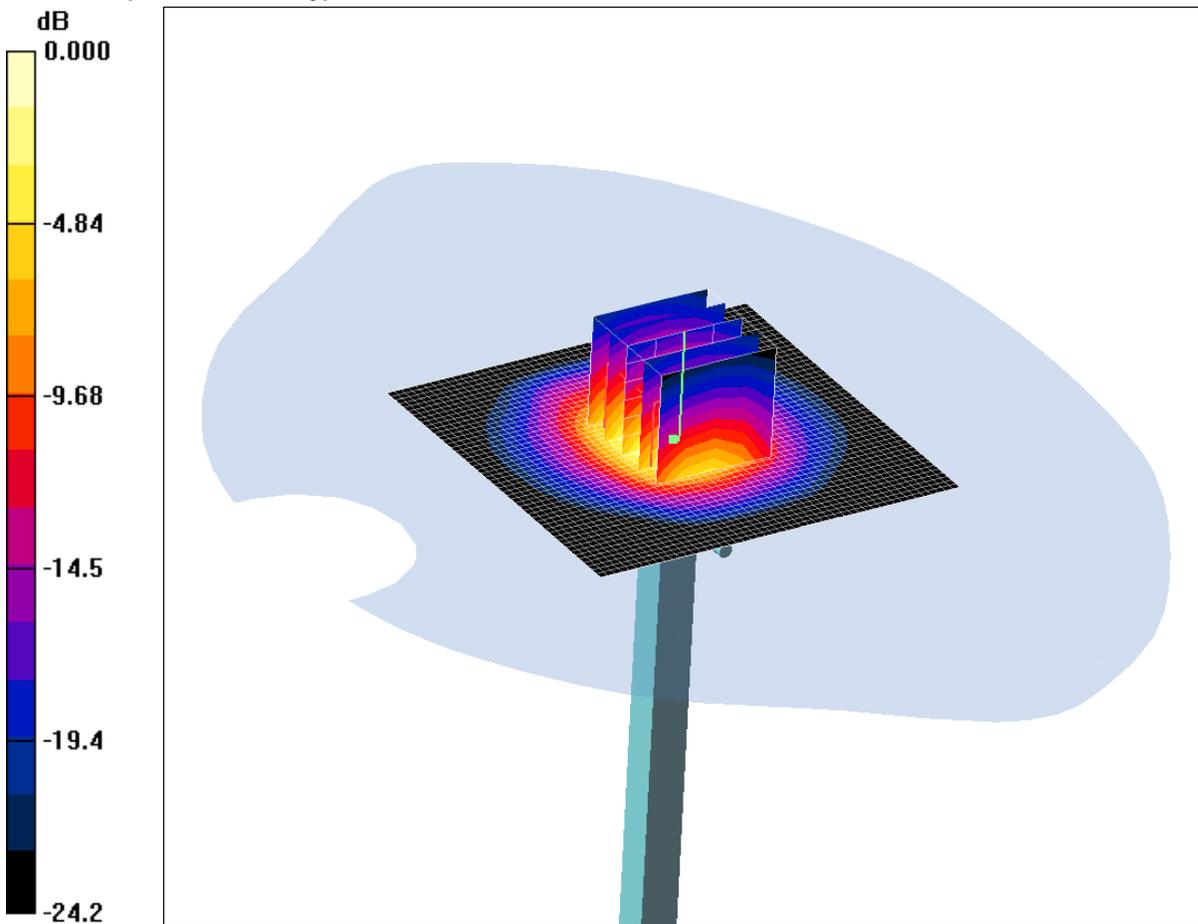
**SAR(1 g) = 13.7 mW/g; SAR(10 g) = 6.28 mW/g**

Maximum value of SAR (measured) = 19.4 mW/g

SCN/87696/021: System Performance Check 2450MHz Head 27 04 12

Date 27/04/2012

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:725



0 dB = 14.3mW/g

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450 MHz HSL Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.87 \text{ mho/m}$ ;  $\epsilon_r = 38.7$ ;  $\rho = 1000 \text{ kg/m}^3$

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/Area Scan (51x51x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 20.7 mW/g

**d=10mm, Pin=250mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 88.5 V/m; Power Drift = 0.051 dB

Peak SAR (extrapolated) = 29.1 W/kg

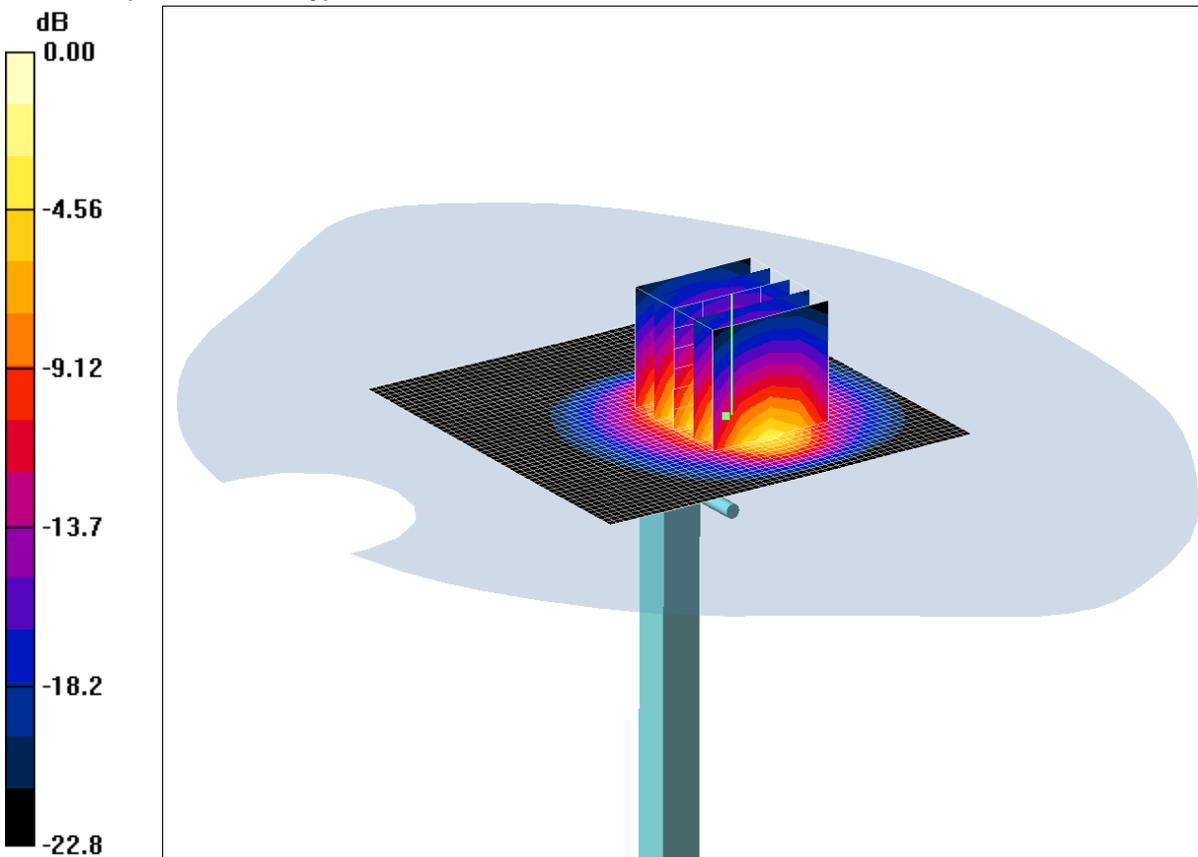
**SAR(1 g) = 13.3 mW/g; SAR(10 g) = 6.03 mW/g**

Maximum value of SAR (measured) = 14.3 mW/g

SCN/87696/122: System Performance Check 2450MHz Body 27 04 12

Date: 27/04/2012

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:725



0 dB = 19.2mW/g

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used:  $f = 2450$  MHz;  $\sigma = 2.02$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  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 Sn431; Calibrated: 05/05/2011

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**d=10mm, Pin=250mW 2/Area Scan (51x51x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 19.5 mW/g

**d=10mm, Pin=250mW 2/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.0 V/m; Power Drift = 0.084 dB

Peak SAR (extrapolated) = 28.1 W/kg

**SAR(1 g) = 13.5 mW/g; SAR(10 g) = 6.19 mW/g**

Maximum value of SAR (measured) = 19.2 mW/g