

### **Appendix 3. SAR Distribution Scans**

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

<b>Scan Reference Number</b>	<b>Title</b>
SCN/87473JD03/001	Touch Left GSM CH190
SCN/87473JD03/002	Tilt Left GSM CH190
SCN/87473JD03/003	Touch Right GSM CH190
SCN/87473JD03/004	Tilt Right GSM CH190
SCN/87473JD03/005	Touch Left GPRS 3 Tx CH190
SCN/87473JD03/006	Front of EUT Facing Phantom GPRS 3TX CH190
SCN/87473JD03/007	Back of EUT Facing Phantom GPRS 3TX CH190
SCN/87473JD03/008	Left Hand Side of EUT Facing Phantom GPRS 3TX CH190
SCN/87473JD03/009	Right Hand Side of EUT Facing Phantom GPRS 3TX CH190
SCN/87473JD03/010	Bottom of EUT Facing Phantom GPRS 3TX CH190
SCN/87473JD03/011	Back of EUT Facing Phantom GSM CH190
SCN/87473JD03/012	Back of EUT Facing Phantom with PHF GSM CH190
SCN/87473JD03/013	Touch Left PCS CH661
SCN/87473JD03/014	Tilt Left PCS CH661
SCN/87473JD03/015	Touch Right PCS CH661
SCN/87473JD03/016	Tilt Right PCS CH661
SCN/87473JD03/017	Touch Left GPRS 4TX CH661
SCN/87473JD03/018	Front of EUT Facing Phantom GPRS 4TX CH661
SCN/87473JD03/019	Back of EUT Facing Phantom GPRS 4TX CH661
SCN/87473JD03/020	Left Hand Side of EUT Facing Phantom GPRS 4TX CH661
SCN/87473JD03/021	Right Hand Side of EUT Facing Phantom GPRS 4TX CH661
SCN/87473JD03/022	Bottom of EUT Facing Phantom GPRS 4TX CH661
SCN/87473JD03/023	Back of EUT Facing Phantom PCS CH661
SCN/87473JD03/024	Back of EUT Facing Phantom with PHF PCS CH661
SCN/87473JD03/025	Touch Left UMTS FDD V CH4183
SCN/87473JD03/026	Tilt Left UMTS FDD V CH4183
SCN/87473JD03/027	Touch Right UMTS FDD V CH4183
SCN/87473JD03/028	Tilt Right UMTS FDD V CH4183
SCN/87473JD03/029	Front of EUT Facing Phantom UMTS FDD V CH4183
SCN/87473JD03/030	Back of EUT Facing Phantom UMTS FDD V CH4183
SCN/87473JD03/031	Back of EUT Facing Phantom UMTS FDD V CH4132
SCN/87473JD03/032	Back of EUT Facing Phantom UMTS FDD V CH4233
SCN/87473JD03/033	Left Hand Side of EUT Facing Phantom UMTS FDD V CH4183
SCN/87473JD03/034	Right Hand Side of EUT Facing Phantom UMTS FDD V CH4183

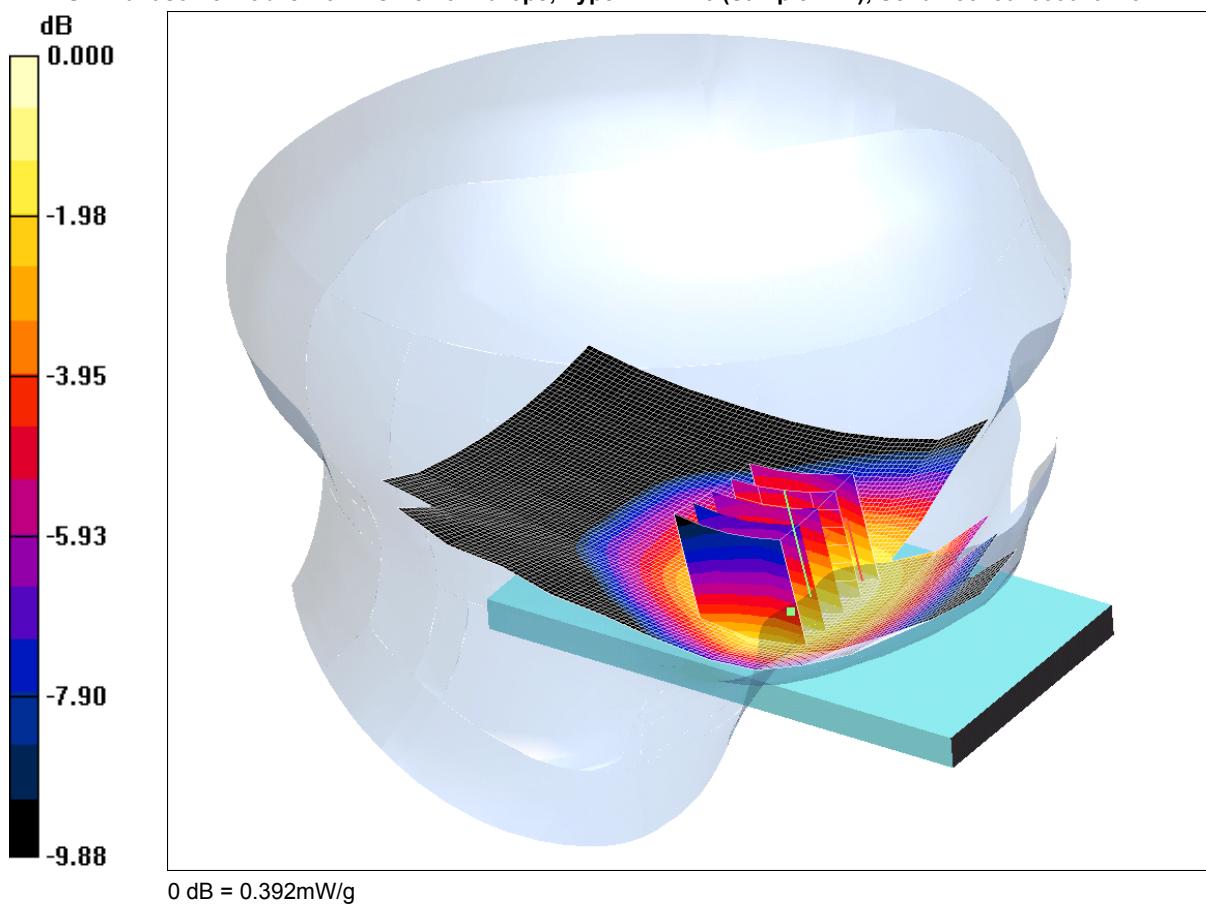
**SAR Distribution Scans (Continued)**

Scan Reference Number	Title
SCN/87473JD03/035	Bottom of EUT Facing Phantom UMTS FDD V CH4183
SCN/87473JD03/036	Back of EUT Facing Phantom at 15mm UMTS FDD V CH4183
SCN/87473JD03/037	Back of EUT Facing Phantom at 15mm with PHF UMTS FDD V CH4183
SCN/87473JD03/038	Touch Left WLAN 802.11b CH6
SCN/87473JD03/039	Tilt Left WLAN 802.11b CH6
SCN/87473JD03/040	Touch Right WLAN 802.11b CH6
SCN/87473JD03/041	Tilt Right WLAN 802.11b CH6
SCN/87473JD03/042	Front of EUT Facing Phantom WLAN 802.11b CH6
SCN/87473JD03/043	Back of EUT Facing Phantom WLAN 802.11b CH6
SCN/87473JD03/044	Left Hand Side of EUT Facing Phantom WLAN 802.11b CH6
SCN/87473JD03/045	Right Hand Side of EUT Facing Phantom WLAN 802.11b CH6
SCN/87473JD03/046	Top of EUT Facing Phantom WLAN 802.11b CH6
SCN/87473JD03/047	Back of EUT Facing Phantom with PHF WLAN 802.11b CH6
SCN/87473JD03/048	System Performance Check 900MHz Head 07 06 12
SCN/87473JD03/049	System Performance Check 900MHz Body 07 06 12
SCN/87473JD03/050	System Performance Check 900MHz Body 08 06 12
SCN/87473JD03/051	System Performance Check 1900MHz Head 03 06 12
SCN/87473JD03/052	System Performance Check 1900MHz Body 03 06 12
SCN/87473JD03/053	System Performance Check 2450MHz Head 09 06 12
SCN/87473JD03/054	System Performance Check 2450MHz Body 11 06 12

SCN/87473JD03/001: Touch Left GSM CH190

Date: 07/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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

Medium: 900 MHz HSL Medium parameters used (interpolated):  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.905 \text{ mho/m}$ ;  $\epsilon_r = 43.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.75, 8.75, 8.75); 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

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

Maximum value of SAR (interpolated) = 0.397 mW/g

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

Reference Value = 6.68 V/m; Power Drift = 0.057 dB

Peak SAR (extrapolated) = 0.445 W/kg

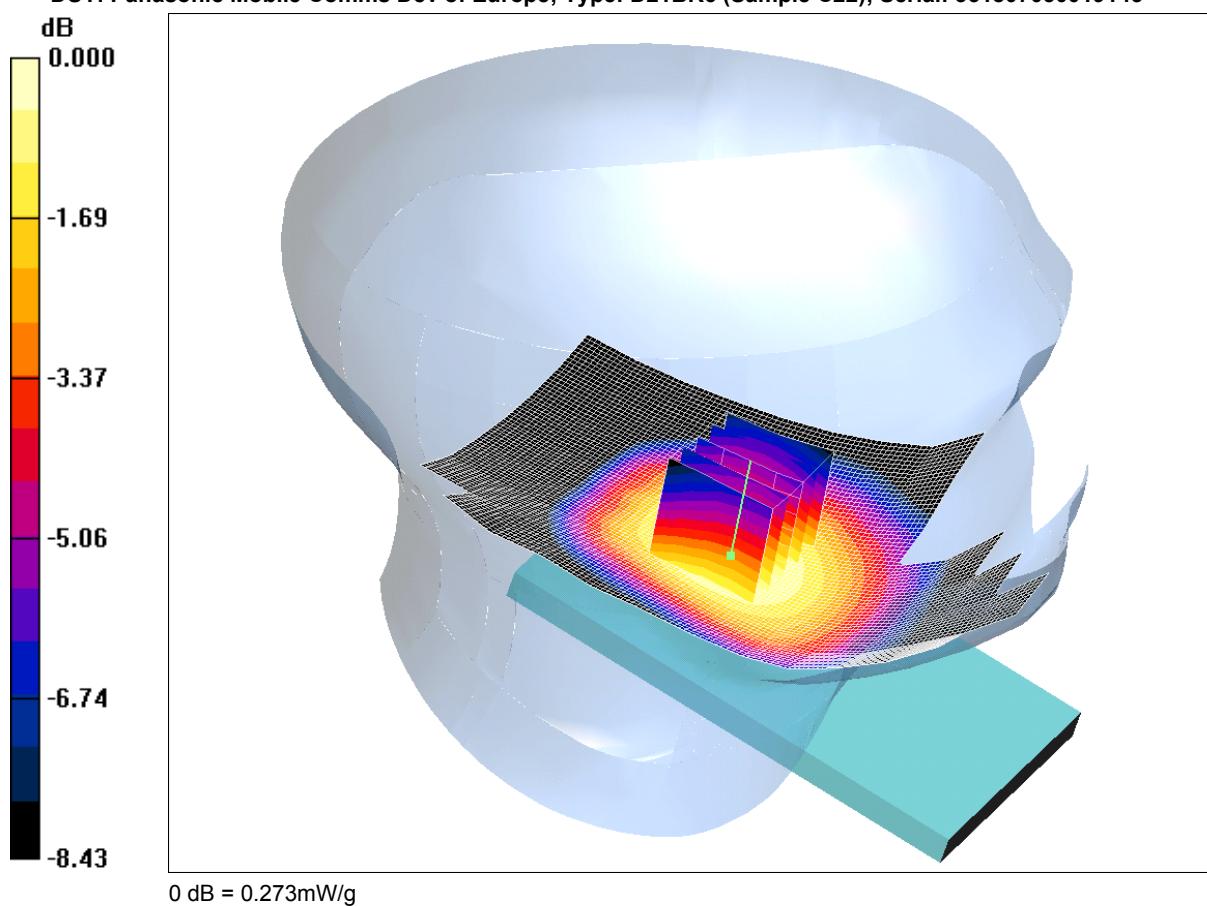
**SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.270 mW/g**

Maximum value of SAR (measured) = 0.392 mW/g

SCN/87473JD03/002: Tilt Left GSM CH190

Date: 07/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.273mW/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;  $\sigma = 0.905$  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: 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

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

Maximum value of SAR (interpolated) = 0.276 mW/g

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

Reference Value = 11.7 V/m; Power Drift = 0.050 dB

Peak SAR (extrapolated) = 0.302 W/kg

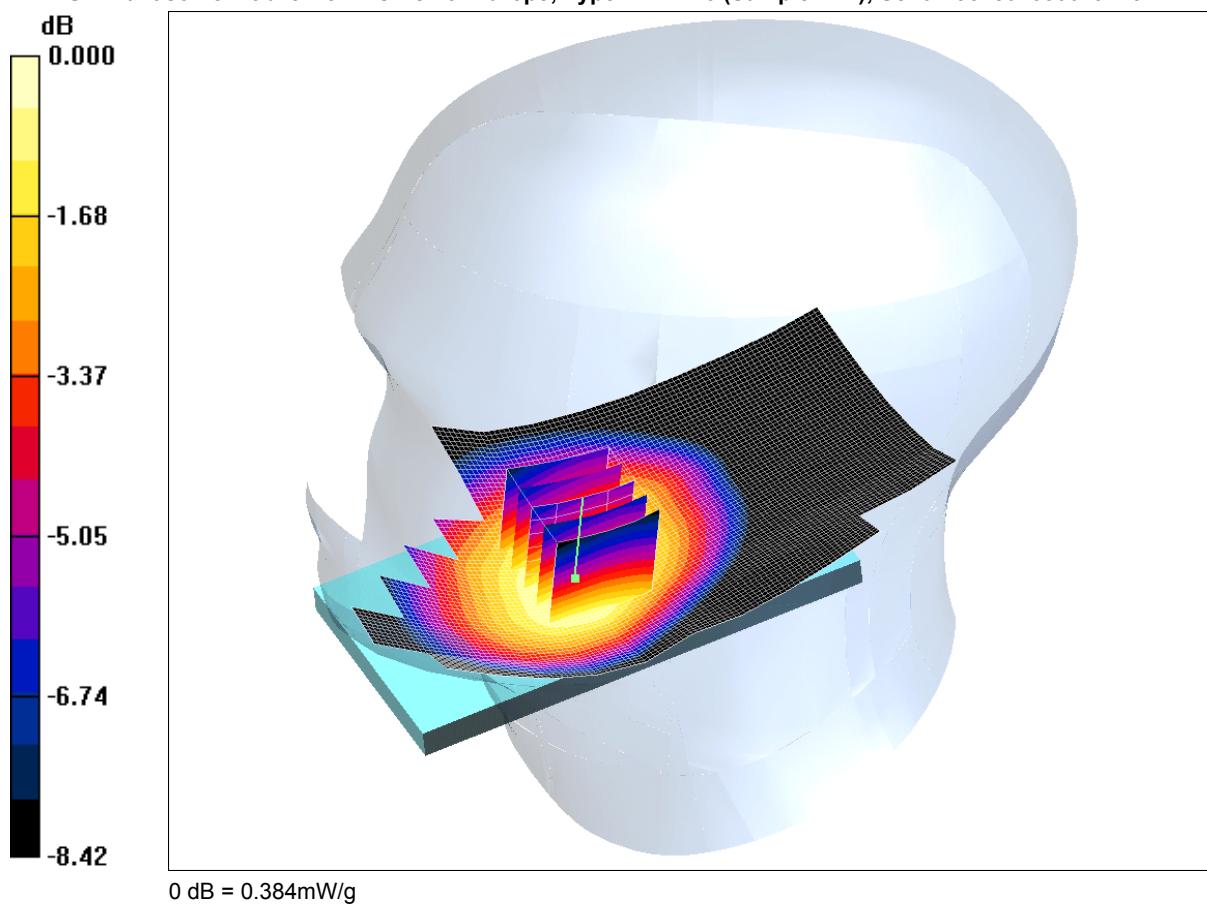
**SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.188 mW/g**

Maximum value of SAR (measured) = 0.273 mW/g

SCN/87473JD03/003: Touch Right GSM CH190

Date: 07/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.384mW/g

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

Medium: 900 MHz HSL Medium parameters used (interpolated):  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.905 \text{ mho/m}$ ;  $\epsilon_r = 43.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.75, 8.75, 8.75); 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

**Touch Right - Middle 2/Area Scan (71x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.390 mW/g

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

Reference Value = 5.85 V/m; Power Drift = 0.114 dB

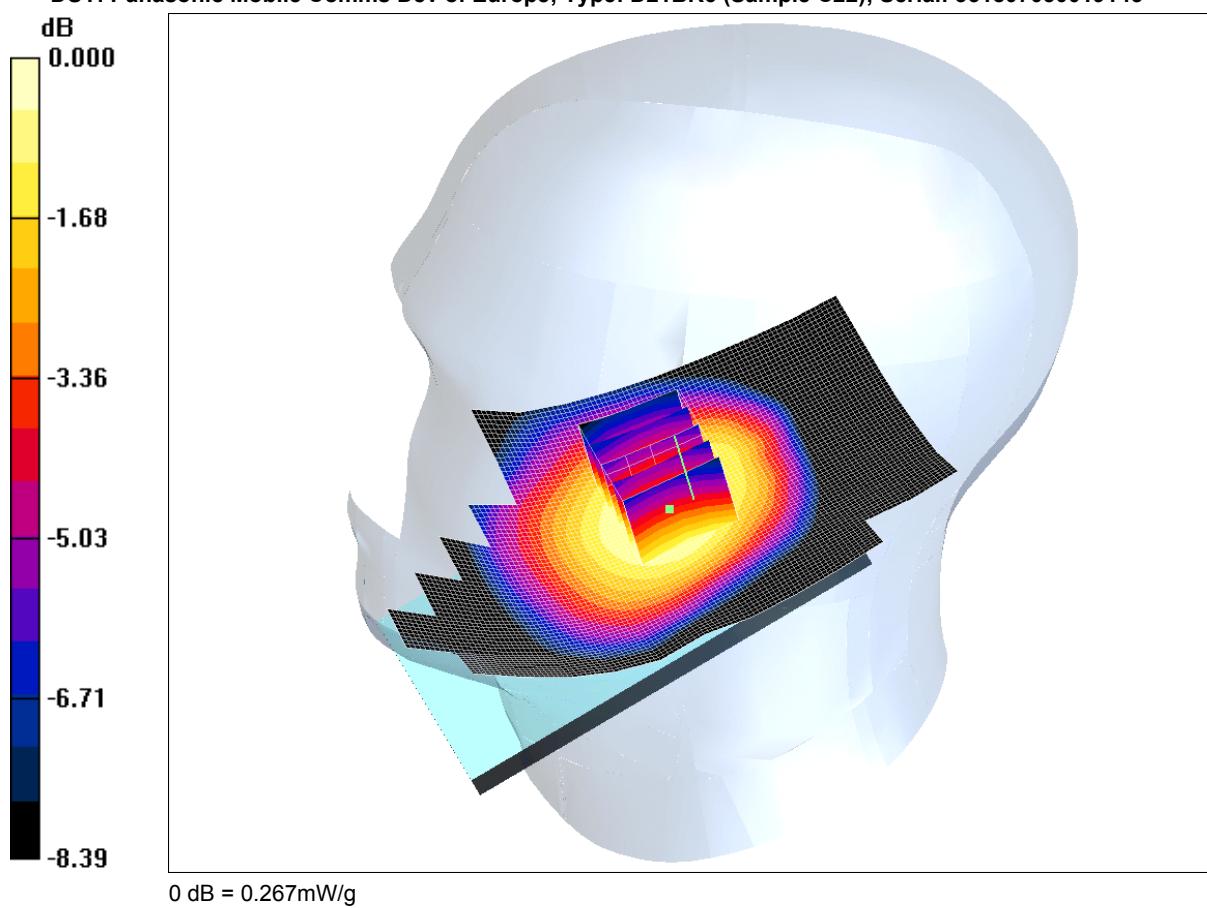
Peak SAR (extrapolated) = 0.431 W/kg

**SAR(1 g) = 0.348 mW/g; SAR(10 g) = 0.269 mW/g**

Maximum value of SAR (measured) = 0.384 mW/g

SCN/87473JD03/004: Tilt Right GSM CH190  
Date 07/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.267mW/g

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

Medium: 900 MHz HSL Medium parameters used (interpolated):  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.905 \text{ mho/m}$ ;  $\epsilon_r = 43.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(8.75, 8.75, 8.75); 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

**Tilt Right - Middle 2/Area Scan (71x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.271 mW/g

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

Reference Value = 11.1 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 0.299 W/kg

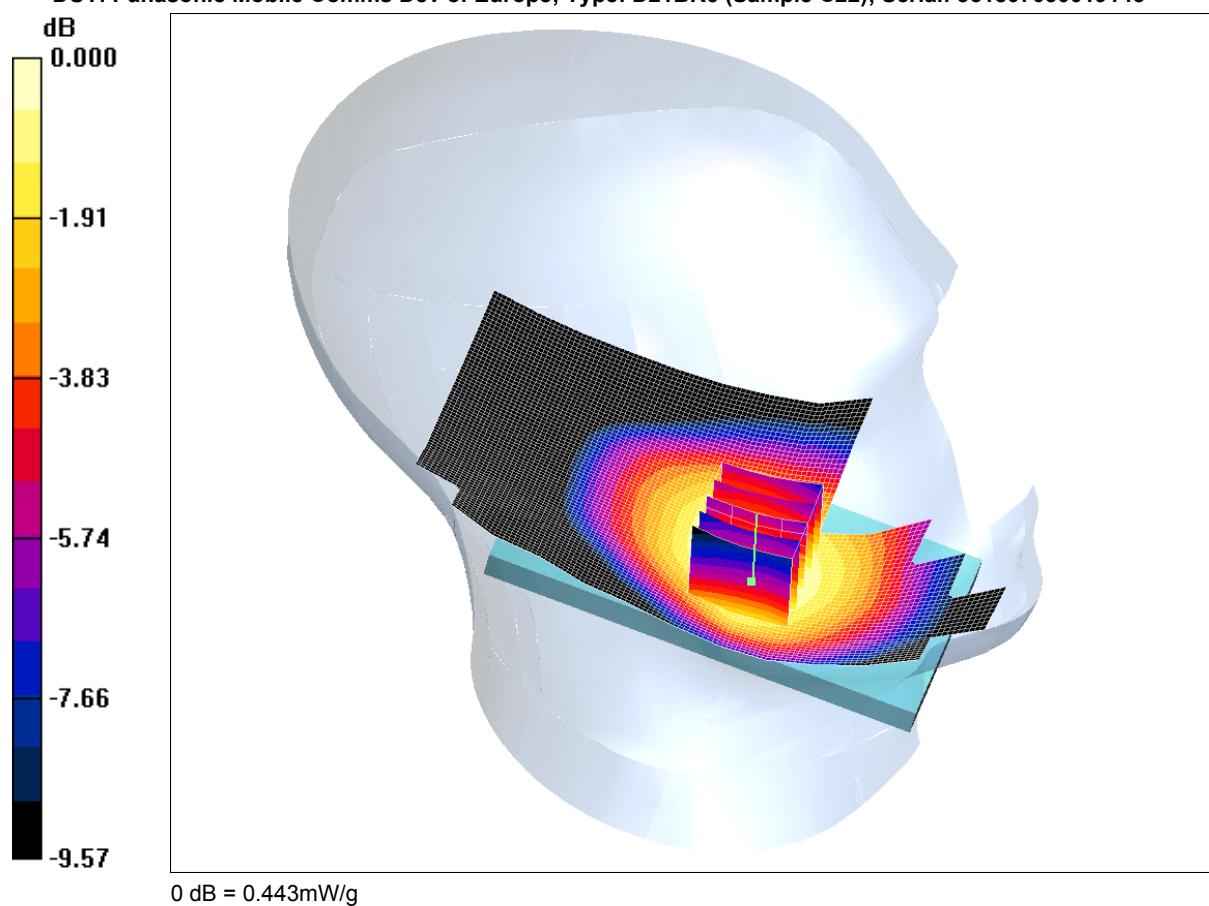
**SAR(1 g) = 0.242 mW/g; SAR(10 g) = 0.188 mW/g**

Maximum value of SAR (measured) = 0.267 mW/g

SCN/87473JD03/005: Touch Left GPRS 3 Tx CH190

Date 07/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.443mW/g

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

Medium: 900 MHz HSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.905$  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: 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

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

Maximum value of SAR (interpolated) = 0.457 mW/g

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

Reference Value = 7.87 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 0.503 W/kg

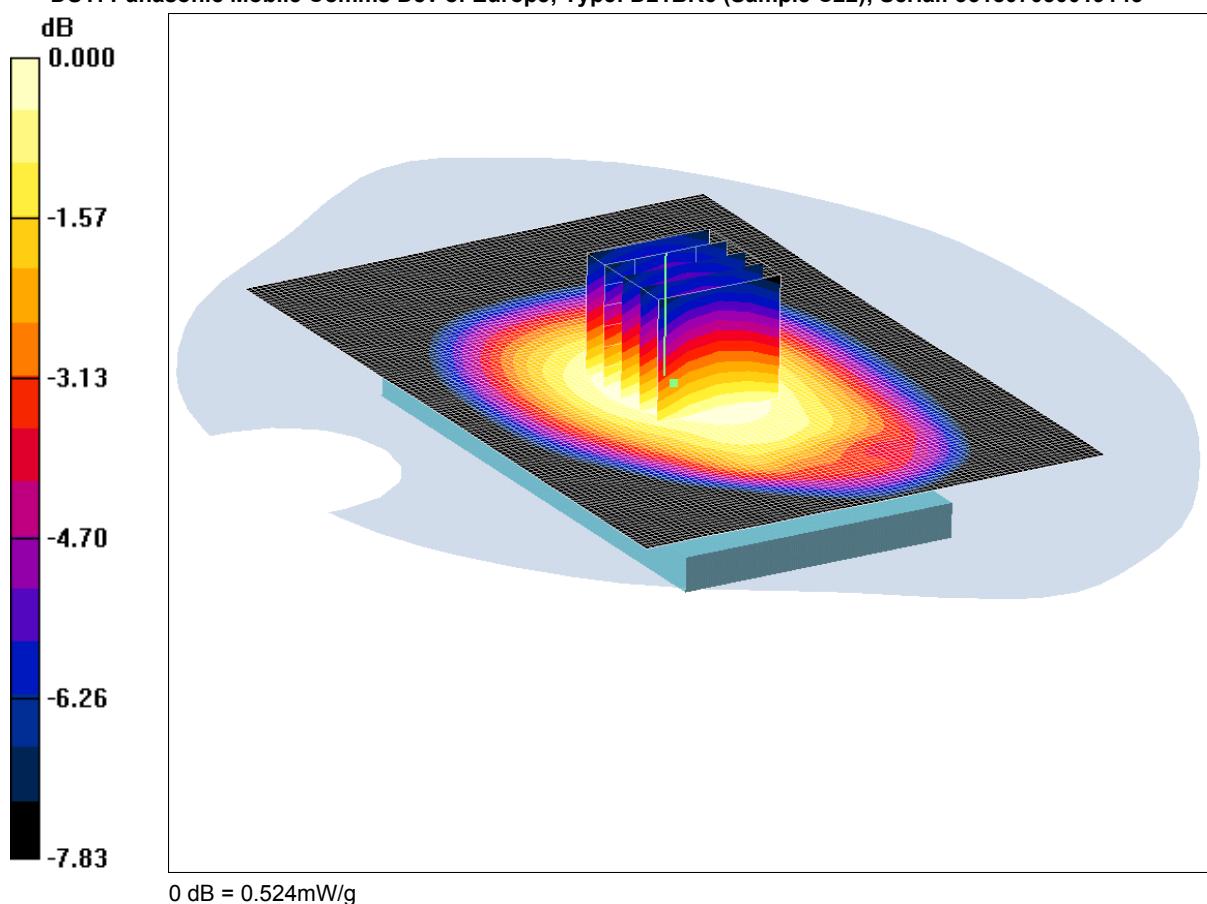
**SAR(1 g) = 0.405 mW/g; SAR(10 g) = 0.309 mW/g**

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

SCN/87473JD03/006: Front of EUT Facing Phantom GPRS 3TX CH190

Date: 07/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.969 \text{ mho/m}$ ;  $\epsilon_r = 54.5$ ;  $\rho = 1000 \text{ kg/m}^3$

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 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 2/Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.538 mW/g

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

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

Reference Value = 22.7 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 0.625 W/kg

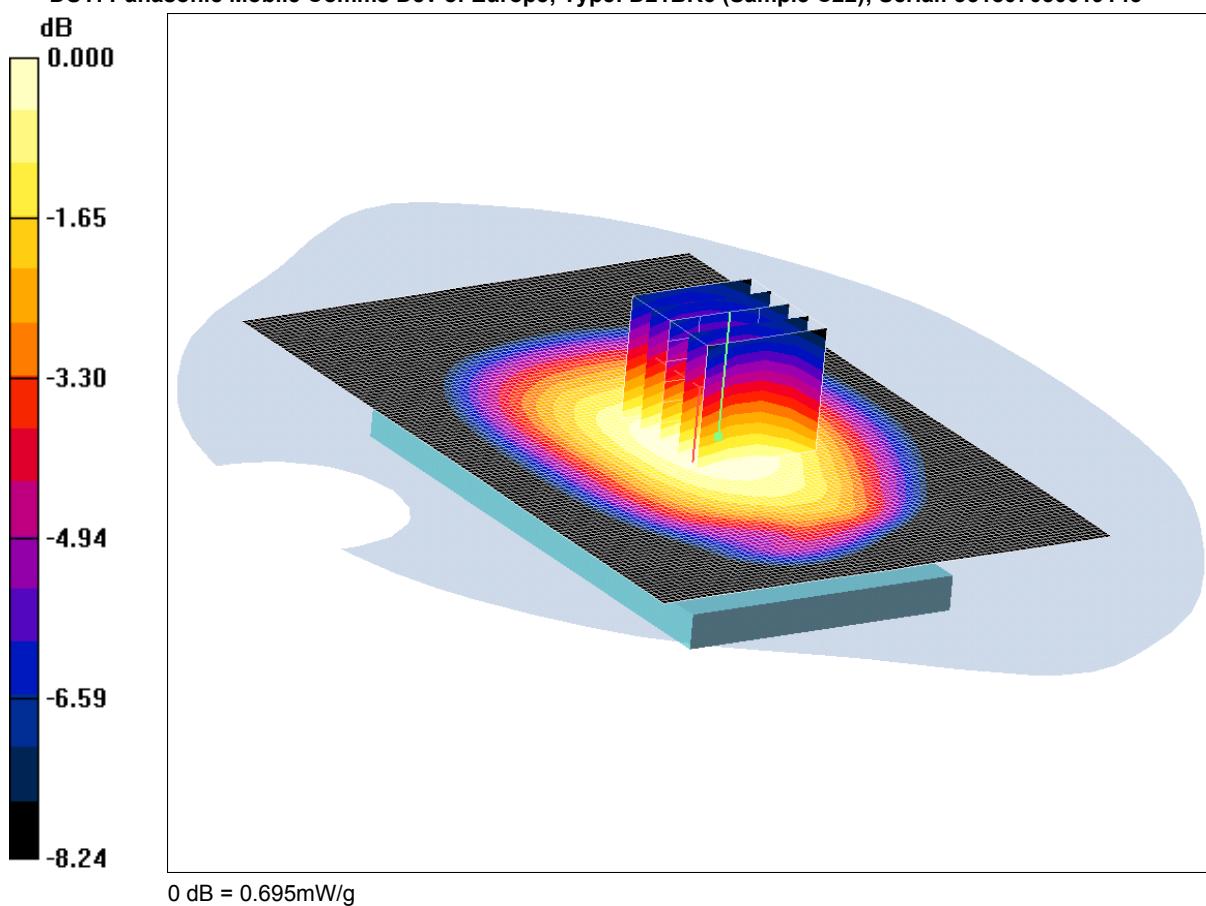
**SAR(1 g) = 0.504 mW/g; SAR(10 g) = 0.389 mW/g**

Maximum value of SAR (measured) = 0.524 mW/g

SCN/87473JD03/007: Back of EUT Facing Phantom GPRS 3TX CH190

Date: 07/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.969 \text{ mho/m}$ ;  $\epsilon_r = 54.5$ ;  $\rho = 1000 \text{ kg/m}^3$

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 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Back of EUT Facing Phantom - Middle/Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.700 mW/g

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

Reference Value = 26.4 V/m; Power Drift = 0.043 dB

Peak SAR (extrapolated) = 0.843 W/kg

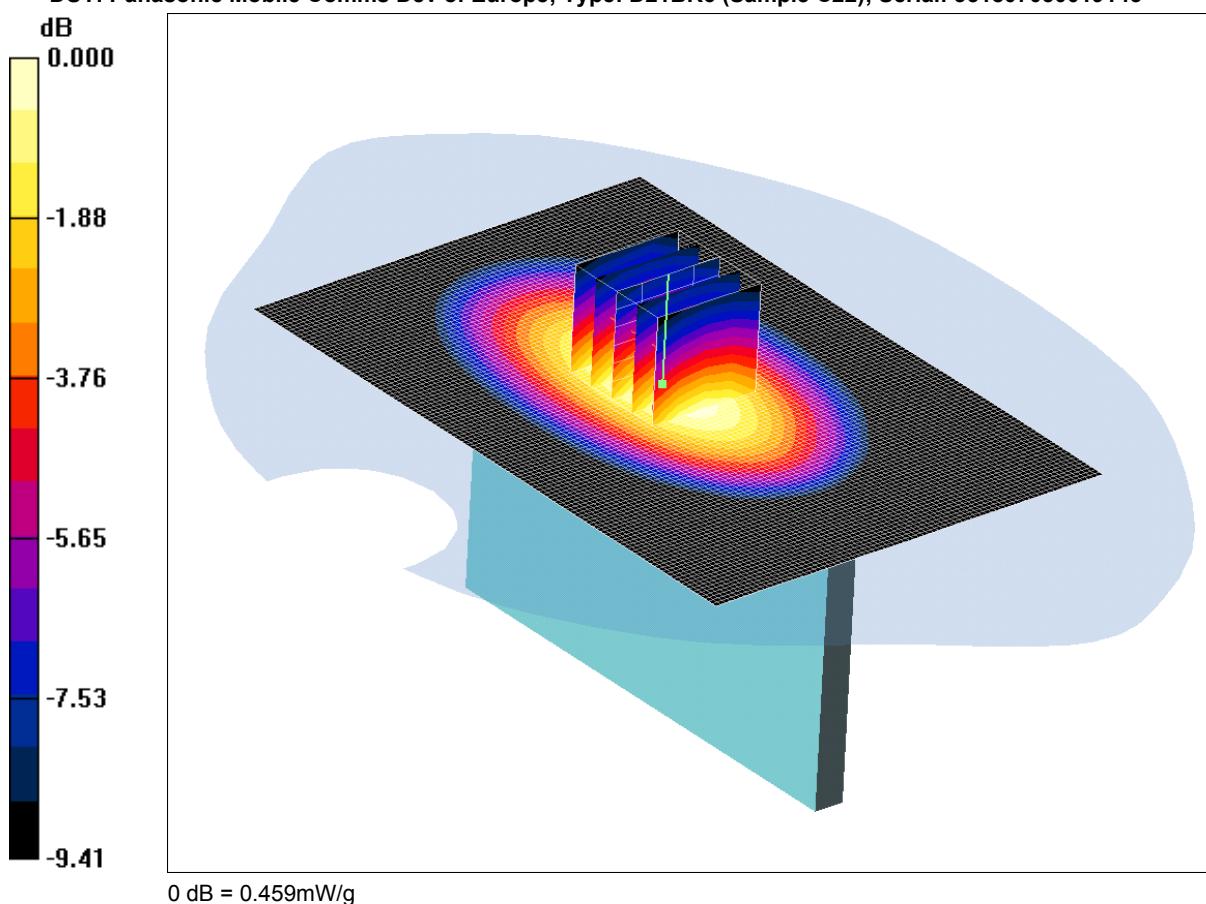
**SAR(1 g) = 0.668 mW/g; SAR(10 g) = 0.510 mW/g**

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

SCN/87473JD03/008: Left Hand Side of EUT Facing Phantom GPRS 3TX CH190

Date: 07/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.459mW/g

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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.969 \text{ mho/m}$ ;  $\epsilon_r = 54.5$ ;  $\rho = 1000 \text{ kg/m}^3$

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 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 (81x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.462 mW/g

**Left 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 = 21.6 V/m; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 0.597 W/kg

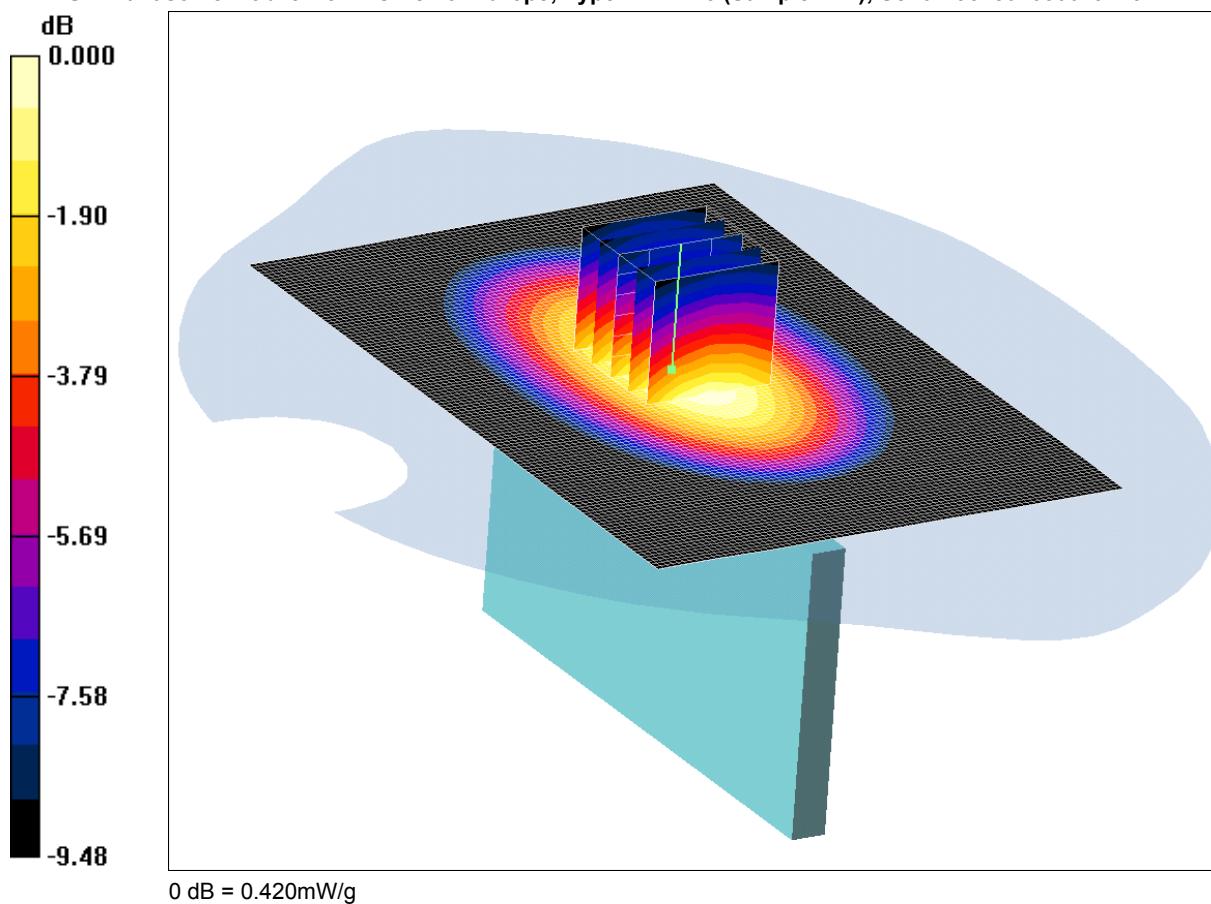
**SAR(1 g) = 0.428 mW/g; SAR(10 g) = 0.296 mW/g**

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

SCN/87473JD03/009: Right Hand Side of EUT Facing Phantom GPRS 3TX CH190

Date: 07/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.969 \text{ mho/m}$ ;  $\epsilon_r = 54.5$ ;  $\rho = 1000 \text{ kg/m}^3$

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 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 2/Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.426 mW/g

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

Reference Value = 21.4 V/m; Power Drift = -0.116 dB

Peak SAR (extrapolated) = 0.553 W/kg

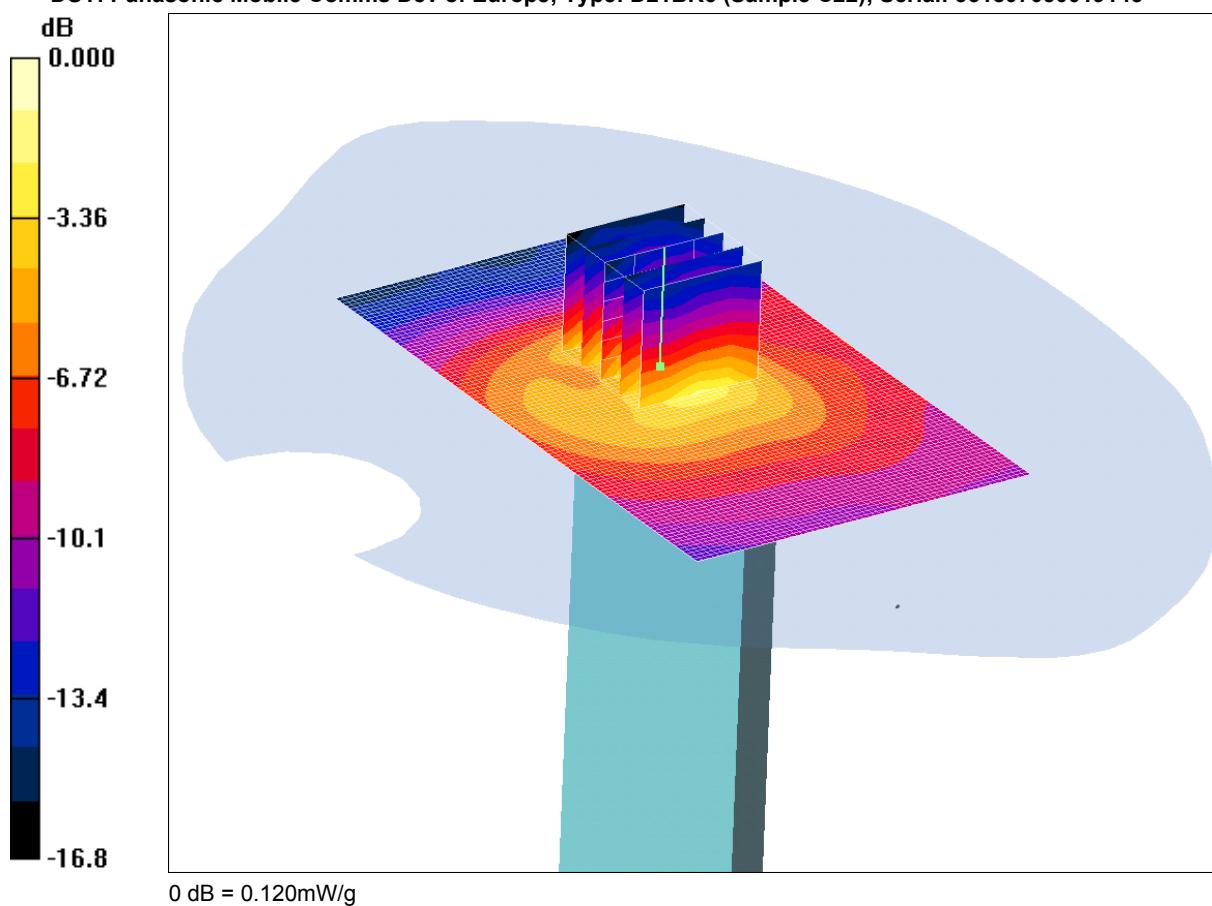
**SAR(1 g) = 0.394 mW/g; SAR(10 g) = 0.273 mW/g**

Maximum value of SAR (measured) = 0.420 mW/g

SCN/87473JD03/010: Bottom of EUT Facing Phantom GPRS 3TX CH190

Date: 07/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.969 \text{ mho/m}$ ;  $\epsilon_r = 54.5$ ;  $\rho = 1000 \text{ kg/m}^3$

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 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 - Middle/Area Scan (61x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 0.110 mW/g

**Bottom of EUT Facing Phantom - Middle/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 = 9.16 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 0.215 W/kg

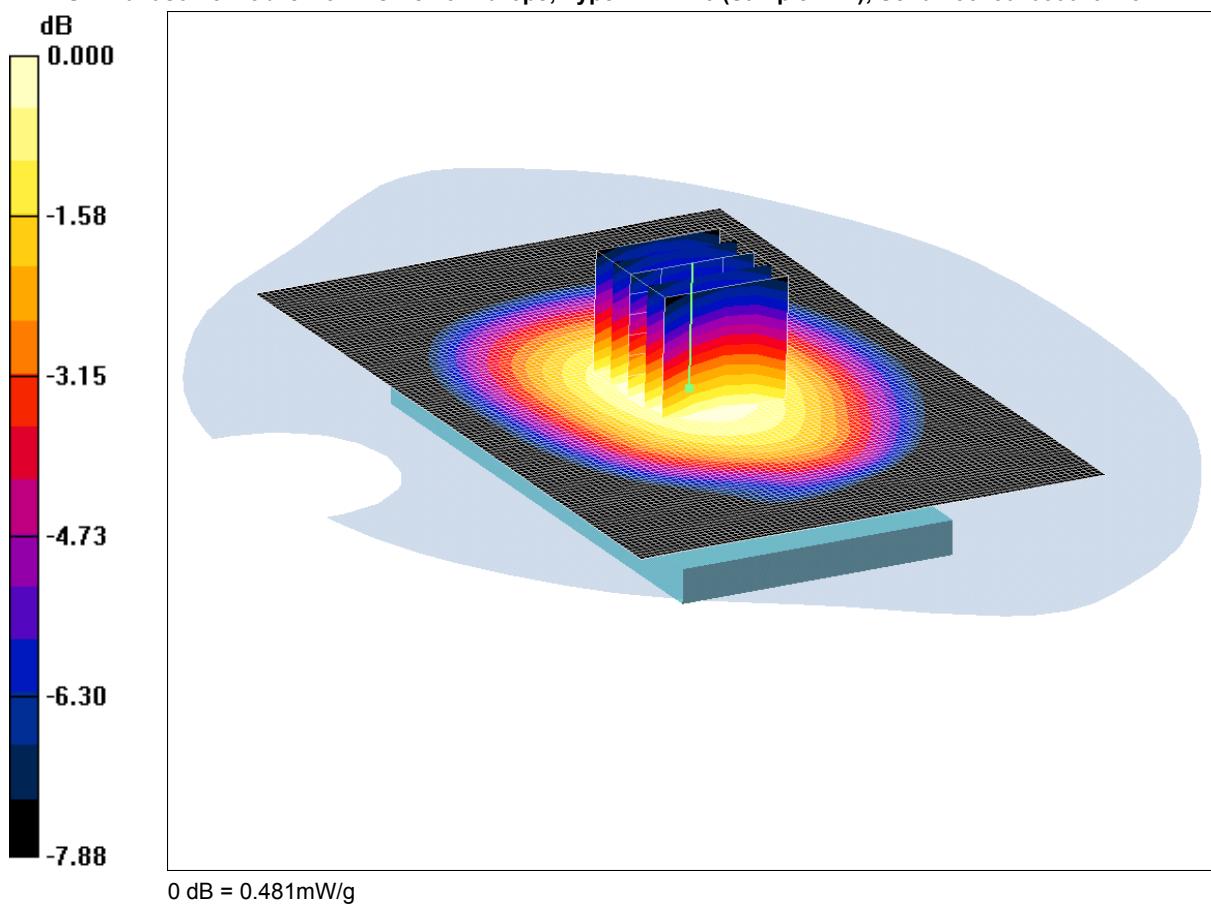
**SAR(1 g) = 0.108 mW/g; SAR(10 g) = 0.055 mW/g**

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

SCN/87473JD03/011: Back of EUT Facing Phantom GSM CH190

Date: 07/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.481mW/g

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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.969 \text{ mho/m}$ ;  $\epsilon_r = 54.5$ ;  $\rho = 1000 \text{ kg/m}^3$

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 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Back of EUT Facing Phantom - Middle/Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.480 mW/g

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

Reference Value = 22.2 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 0.580 W/kg

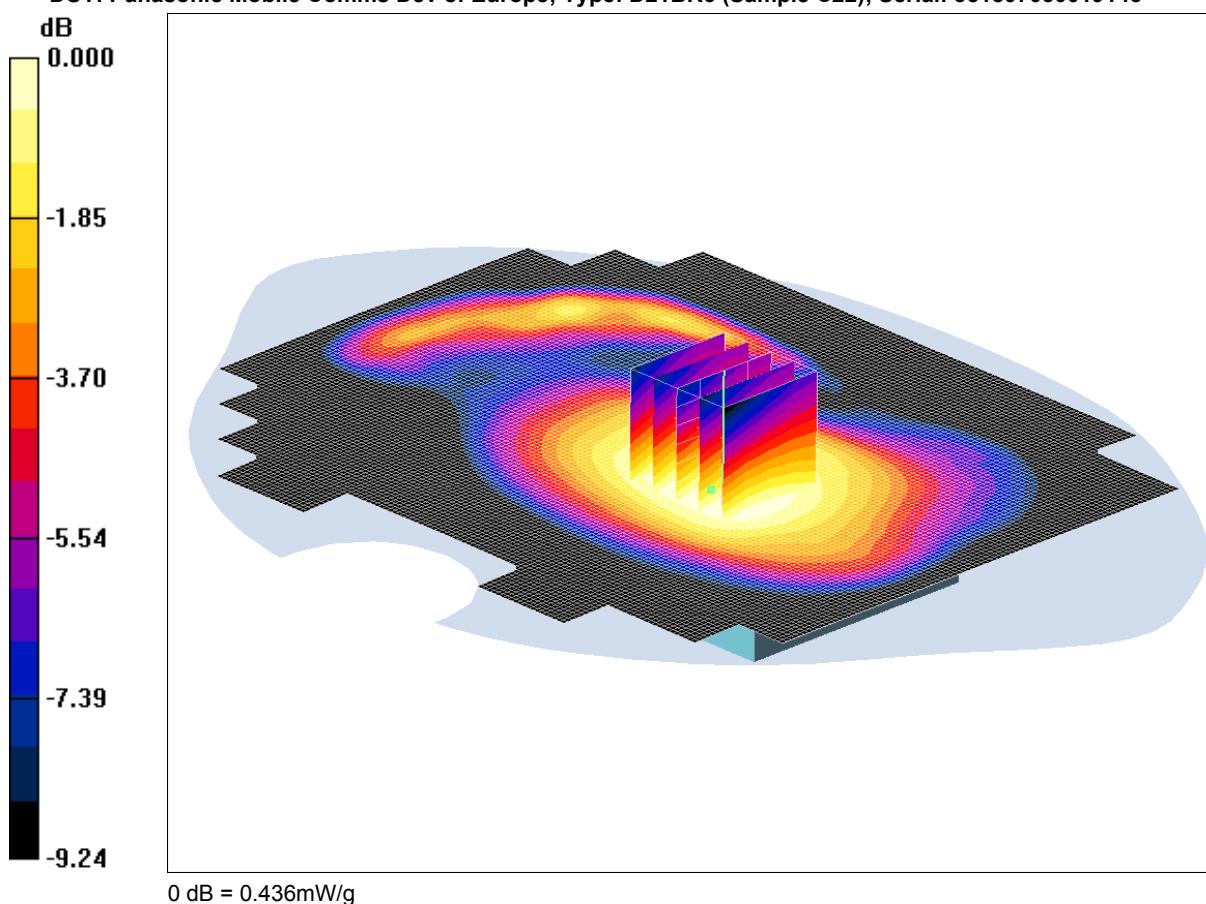
**SAR(1 g) = 0.458 mW/g; SAR(10 g) = 0.347 mW/g**

Maximum value of SAR (measured) = 0.481 mW/g

SCN/87473JD03/012: Back of EUT Facing Phantom with PHF GSM CH190

Date: 07/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.436mW/g

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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.969 \text{ mho/m}$ ;  $\epsilon_r = 54.5$ ;  $\rho = 1000 \text{ kg/m}^3$

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 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Back of EUT Facing Phantom with PHF - Middle/Area Scan (121x141x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.441 mW/g

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

Reference Value = 20.4 V/m; Power Drift = 0.002 dB

Peak SAR (extrapolated) = 0.540 W/kg

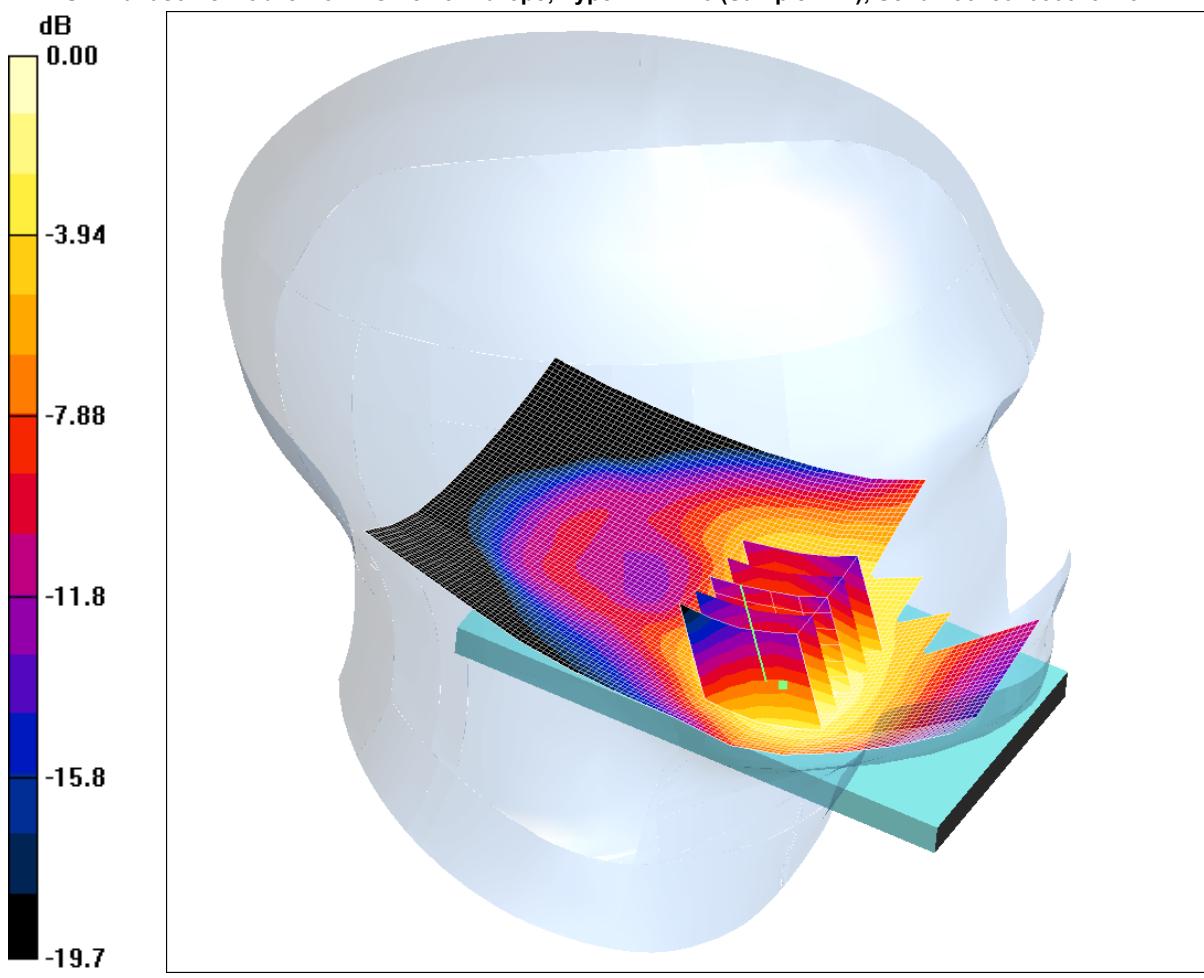
**SAR(1 g) = 0.415 mW/g; SAR(10 g) = 0.313 mW/g**

Maximum value of SAR (measured) = 0.436 mW/g

SCN/87473JD03/013: Touch Left PCS CH661

Date/Time: 03/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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

Medium: 1900 MHz HSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(5.18, 5.18, 5.18); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

Maximum value of SAR (interpolated) = 0.275 mW/g

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

Reference Value = 4.54 V/m; Power Drift = -0.123 dB

Peak SAR (extrapolated) = 0.376 W/kg

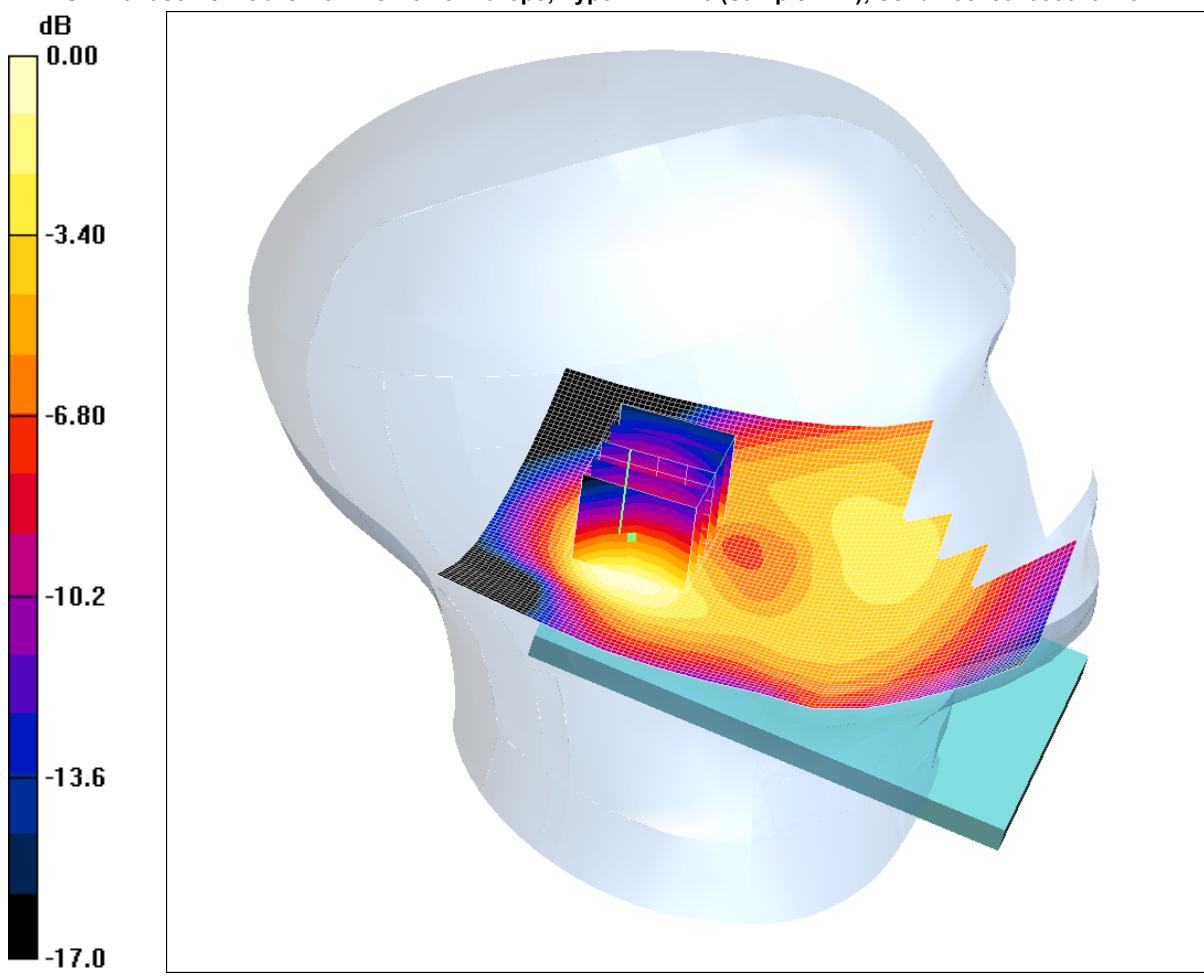
**SAR(1 g) = 0.244 mW/g; SAR(10 g) = 0.149 mW/g**

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

SCN/87473JD03/014: Tilt Left PCS CH661

Date 03/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.071mW/g

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

Medium: 1900 MHz HSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(5.18, 5.18, 5.18); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

Maximum value of SAR (interpolated) = 0.079 mW/g

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

Reference Value = 7.34 V/m; Power Drift = 0.054 dB

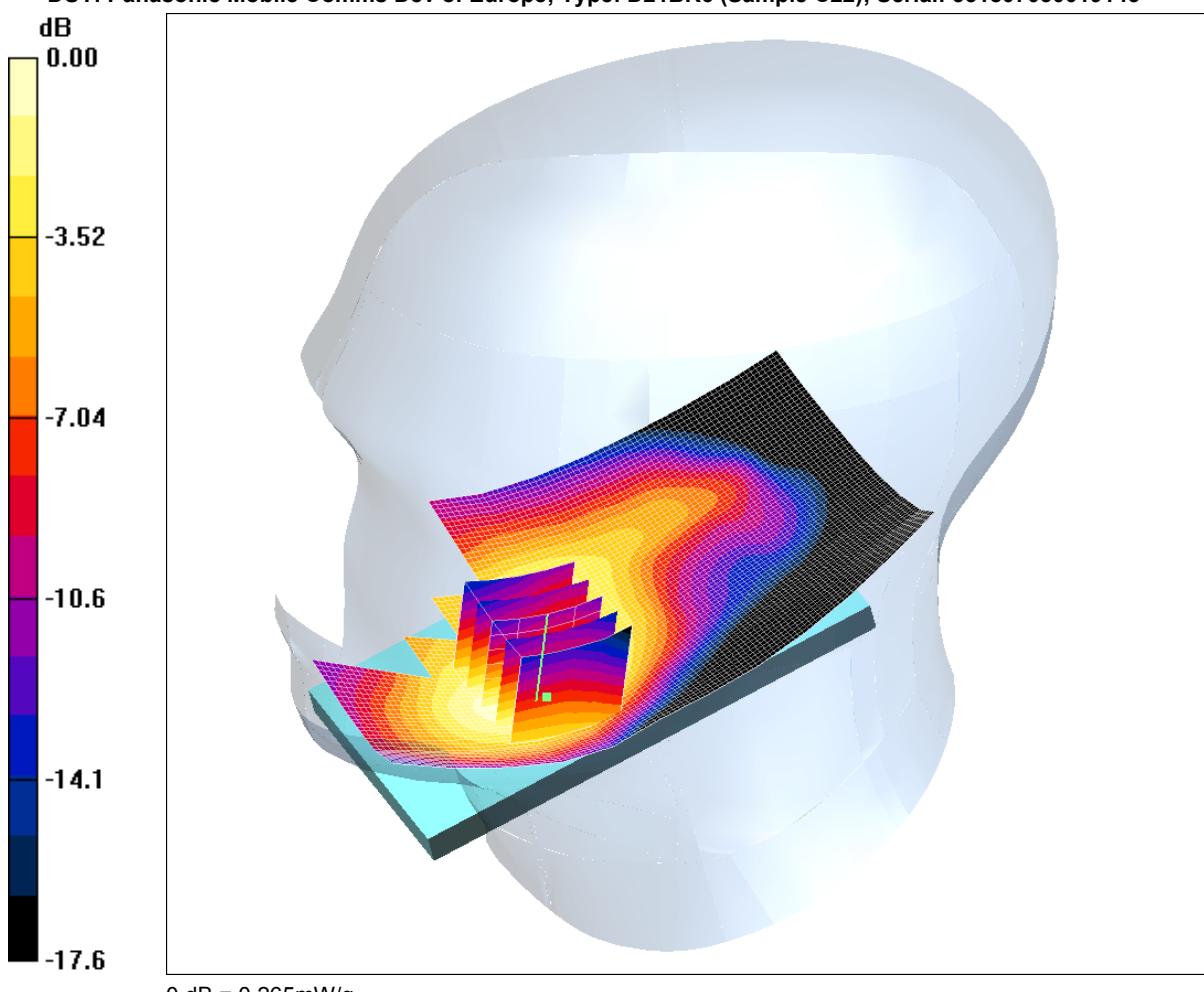
Peak SAR (extrapolated) = 0.109 W/kg

**SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.040 mW/g**

Maximum value of SAR (measured) = 0.071 mW/g

SCN/87473JD03/015: Touch Right PCS CH661  
Date 03/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.265mW/g

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

Medium: 1900 MHz HSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(5.18, 5.18, 5.18); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- 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) = 0.280 mW/g

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

Reference Value = 4.22 V/m; Power Drift = -0.162 dB

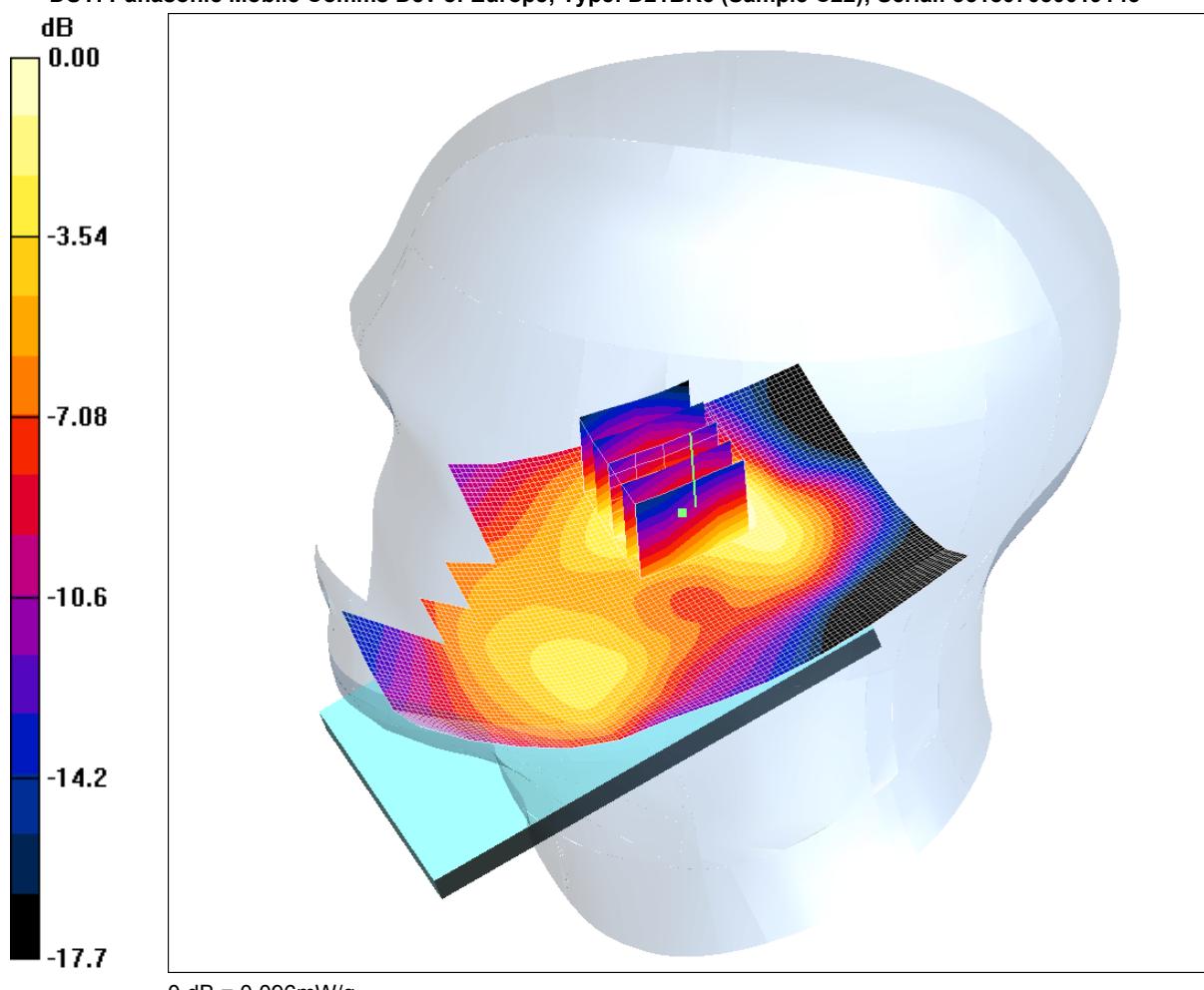
Peak SAR (extrapolated) = 0.380 W/kg

**SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.149 mW/g**

Maximum value of SAR (measured) = 0.265 mW/g

SCN/87473JD03/016: Tilt Right PCS CH661  
Date 03/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.096mW/g

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

Medium: 1900 MHz HSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(5.18, 5.18, 5.18); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- 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) = 0.100 mW/g

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

Reference Value = 6.73 V/m; Power Drift = -0.094 dB

Peak SAR (extrapolated) = 0.146 W/kg

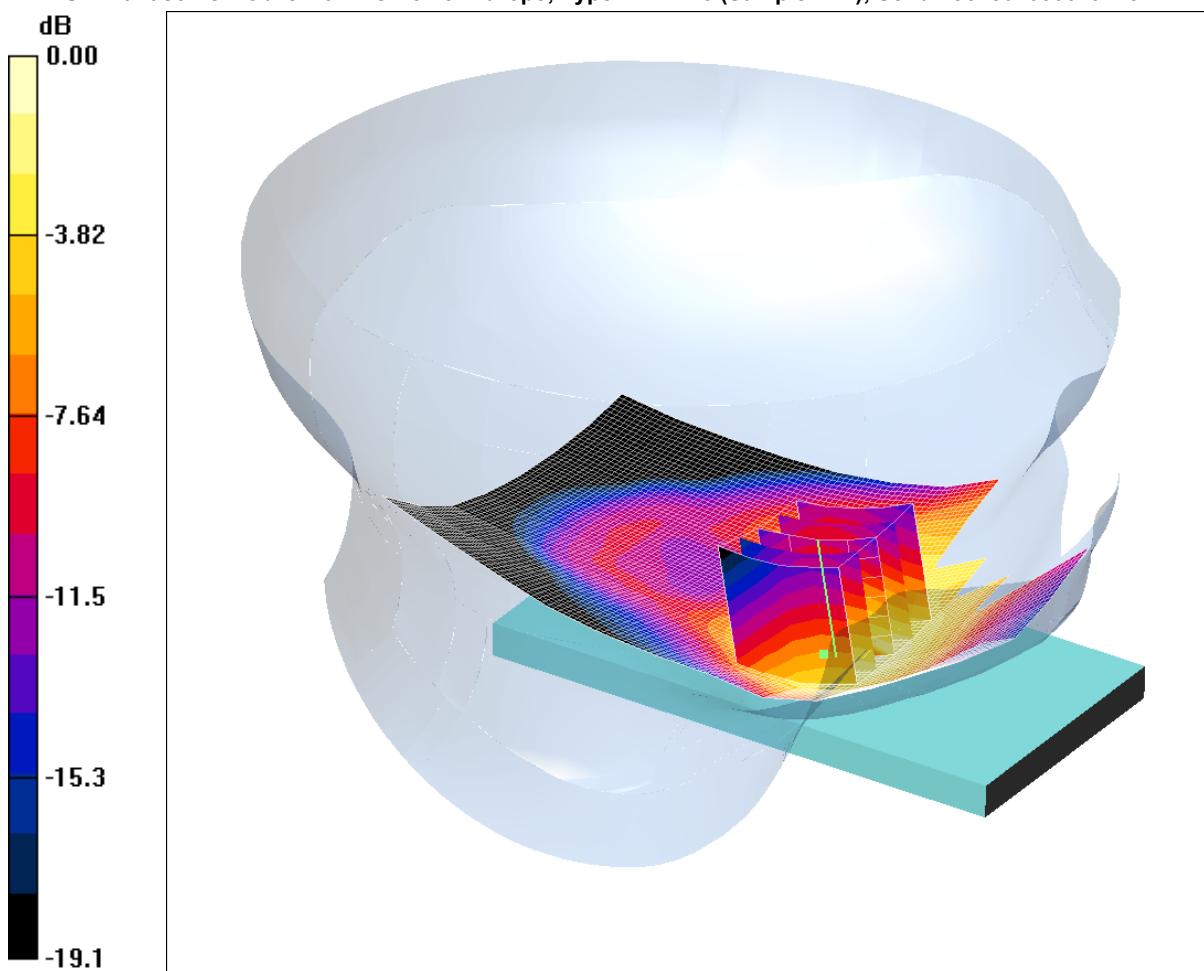
**SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.053 mW/g**

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

SCN/87473JD03/017: Touch Left GPRS 4TX CH661

Date: 03/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.356mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: 1900 MHz HSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(5.18, 5.18, 5.18); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

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

Maximum value of SAR (interpolated) = 0.388 mW/g

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

Reference Value = 5.51 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 0.473 W/kg

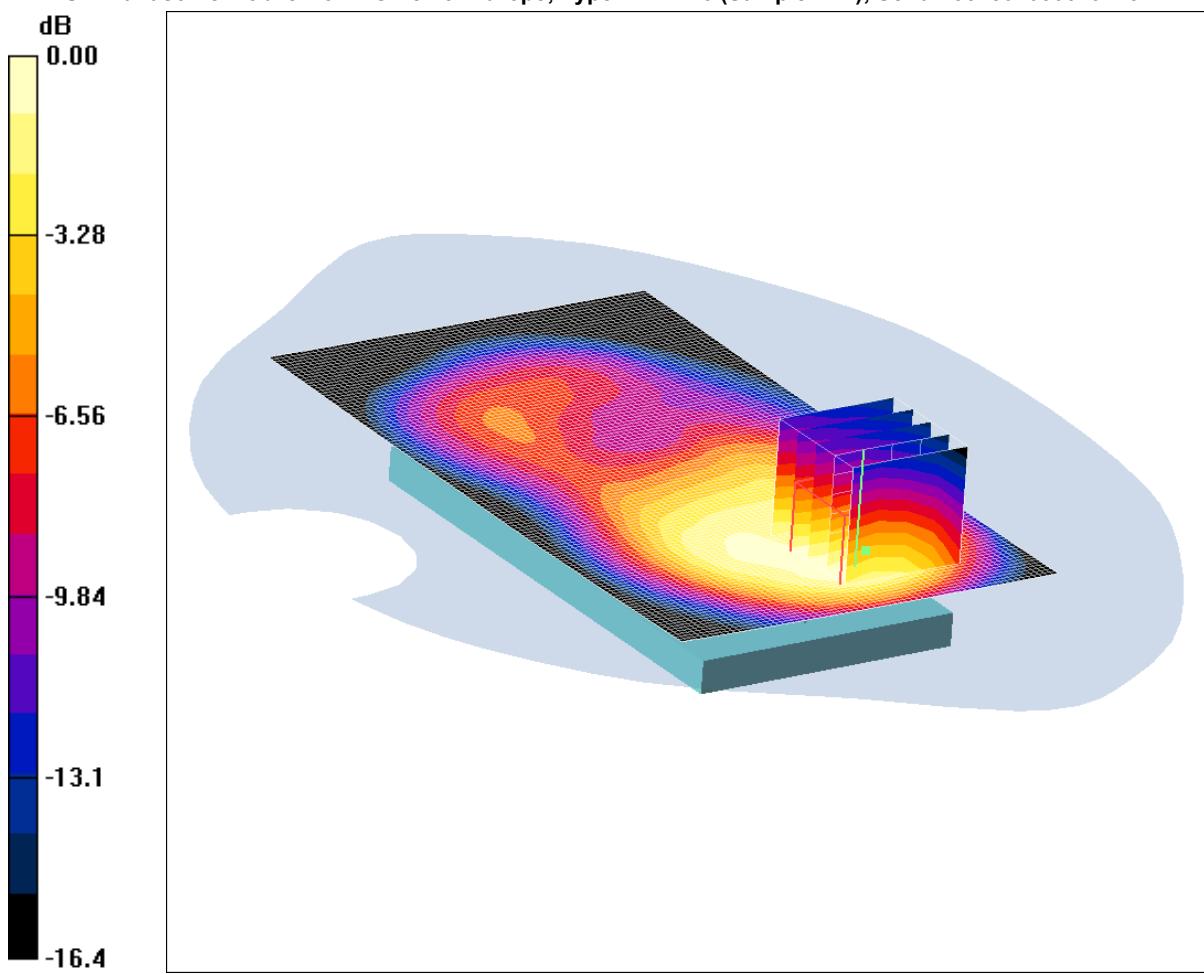
**SAR(1 g) = 0.312 mW/g; SAR(10 g) = 0.182 mW/g**

Maximum value of SAR (measured) = 0.356 mW/g

SCN/87473JD03/018: Front of EUT Facing Phantom GPRS 4Tx CH661

Date 03/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.460mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.53 \text{ mho/m}$ ;  $\epsilon_r = 52$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(4.69, 4.69, 4.69); Calibrated: 11/05/2012

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

- Electronics: DAE3 Sn432; Calibrated: 02/05/2012

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

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

**Front of EUT Facing Phantom - Middle/Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.449 mW/g

**Front of EUT Facing Phantom - Middle/DO NOT USE Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.82 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.658 W/kg

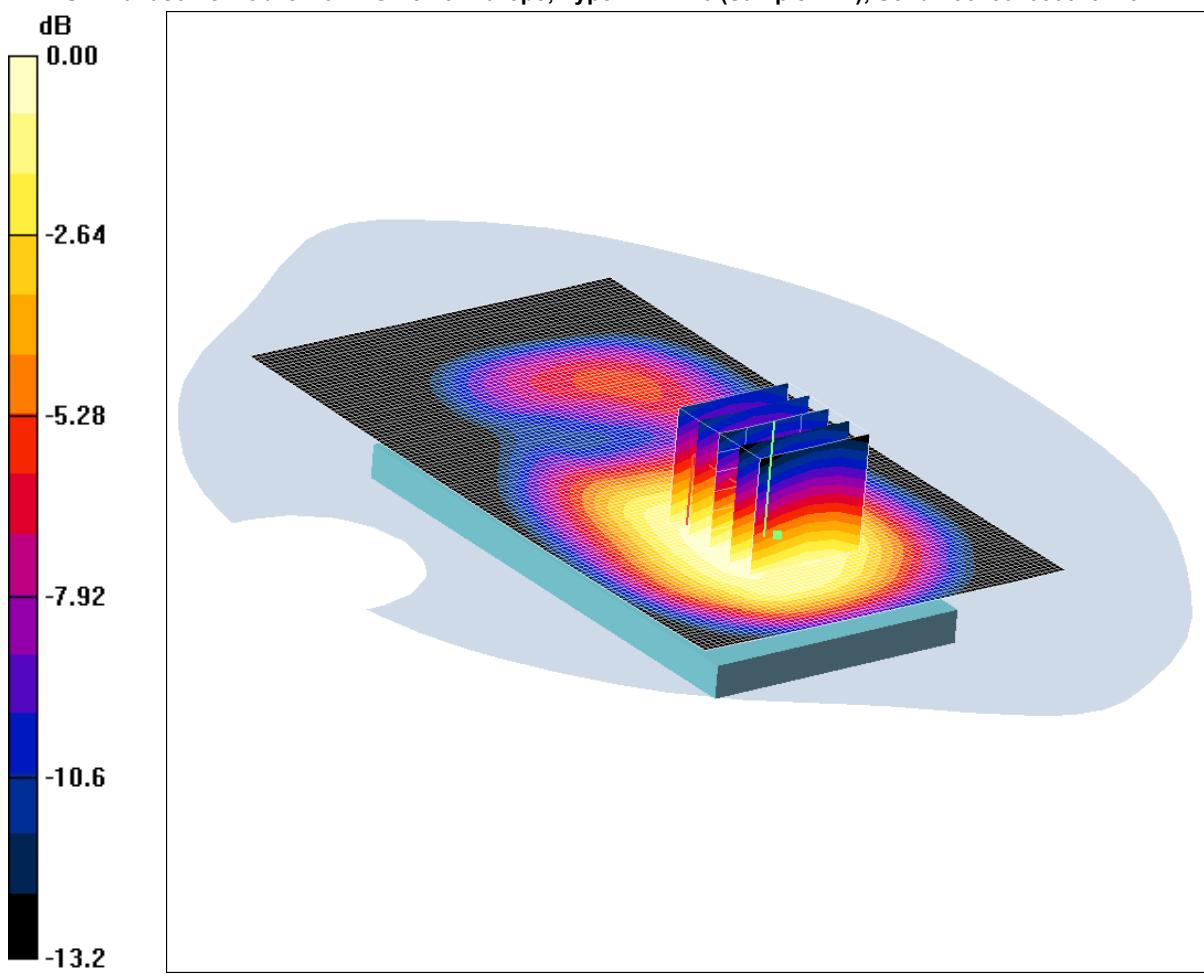
**SAR(1 g) = 0.418 mW/g; SAR(10 g) = 0.254 mW/g**

Maximum value of SAR (measured) = 0.460 mW/g

SCN/87473JD03/019: Back of EUT Facing Phantom GPRS 4Tx CH661

Date 03/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.511mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.53 \text{ mho/m}$ ;  $\epsilon_r = 52$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(4.69, 4.69, 4.69); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**Back of EUT Facing Phantom - Middle/Area Scan (71x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.515 mW/g

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

Reference Value = 9.91 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 0.731 W/kg

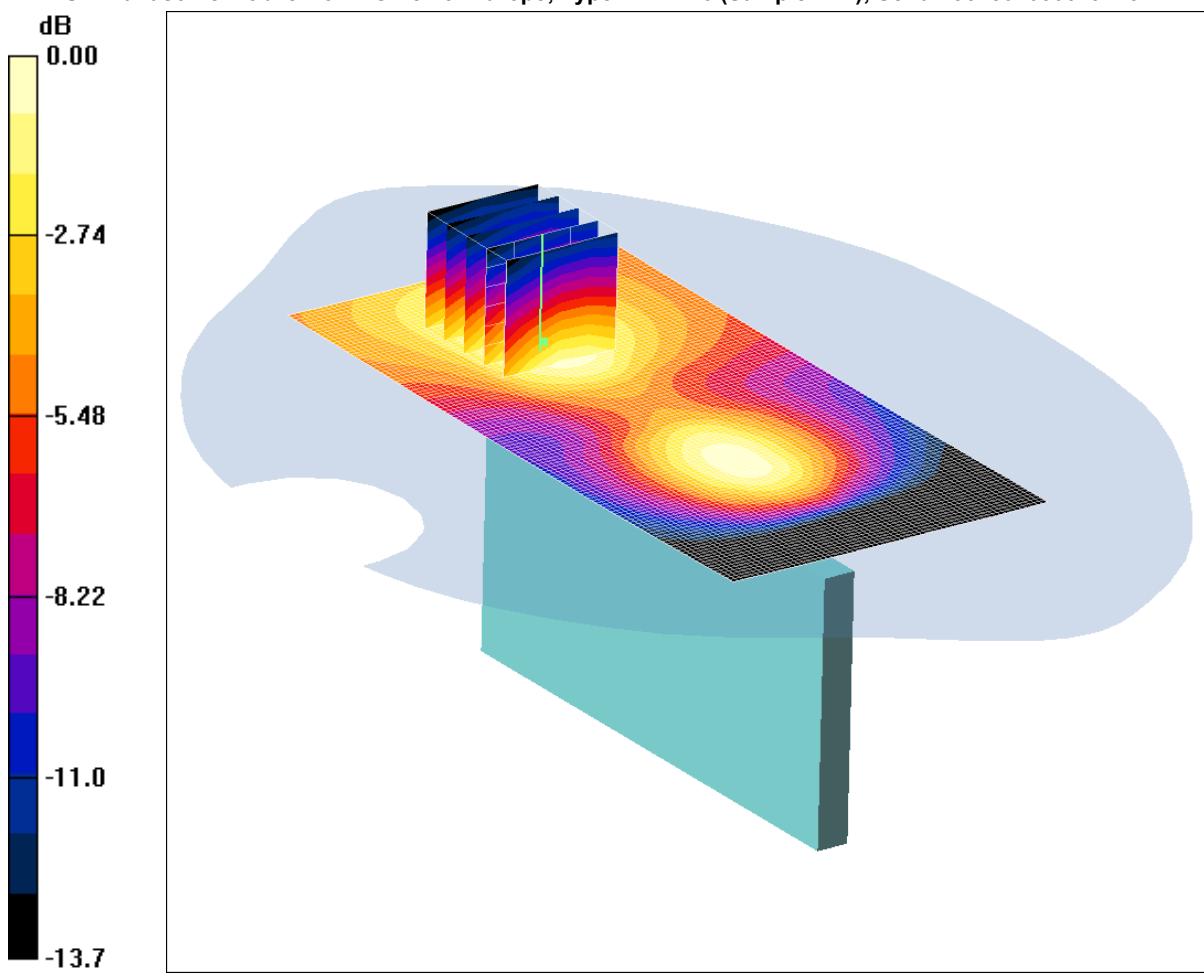
**SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.319 mW/g**

Maximum value of SAR (measured) = 0.511 mW/g

SCN/87473JD03/020: Left Hand Side of EUT Facing Phantom GPRS 4TX CH661

Date 03/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.079mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(4.69, 4.69, 4.69); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**Left Hand Side of EUT Facing Phantom - Middle 2/Area Scan 2 (61x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.084 mW/g

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

Reference Value = 4.80 V/m; Power Drift = -0.024 dB

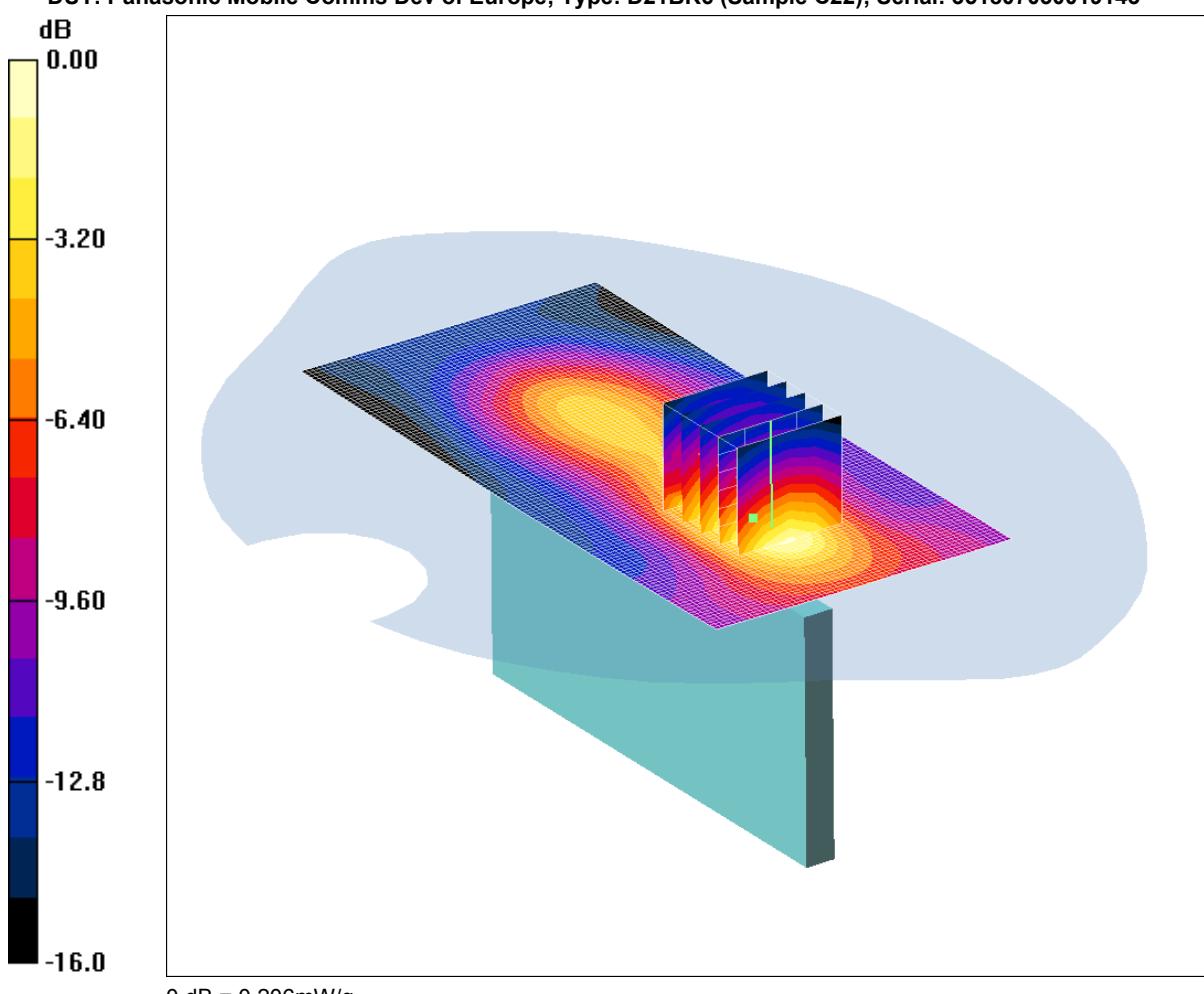
Peak SAR (extrapolated) = 0.111 W/kg

**SAR(1 g) = 0.075 mW/g; SAR(10 g) = 0.047 mW/g**

Maximum value of SAR (measured) = 0.079 mW/g

SCN/87473JD03/021: Right Hand Side of EUT Facing Phantom GPRS 4Tx CH661  
Date 03/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.206mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(4.69, 4.69, 4.69); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**Right Hand Side of EUT Facing Phantom - Middle 2/Area Scan 2 (61x121x1):** Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 7.61 V/m; Power Drift = 0.043 dB

Peak SAR (extrapolated) = 0.304 W/kg

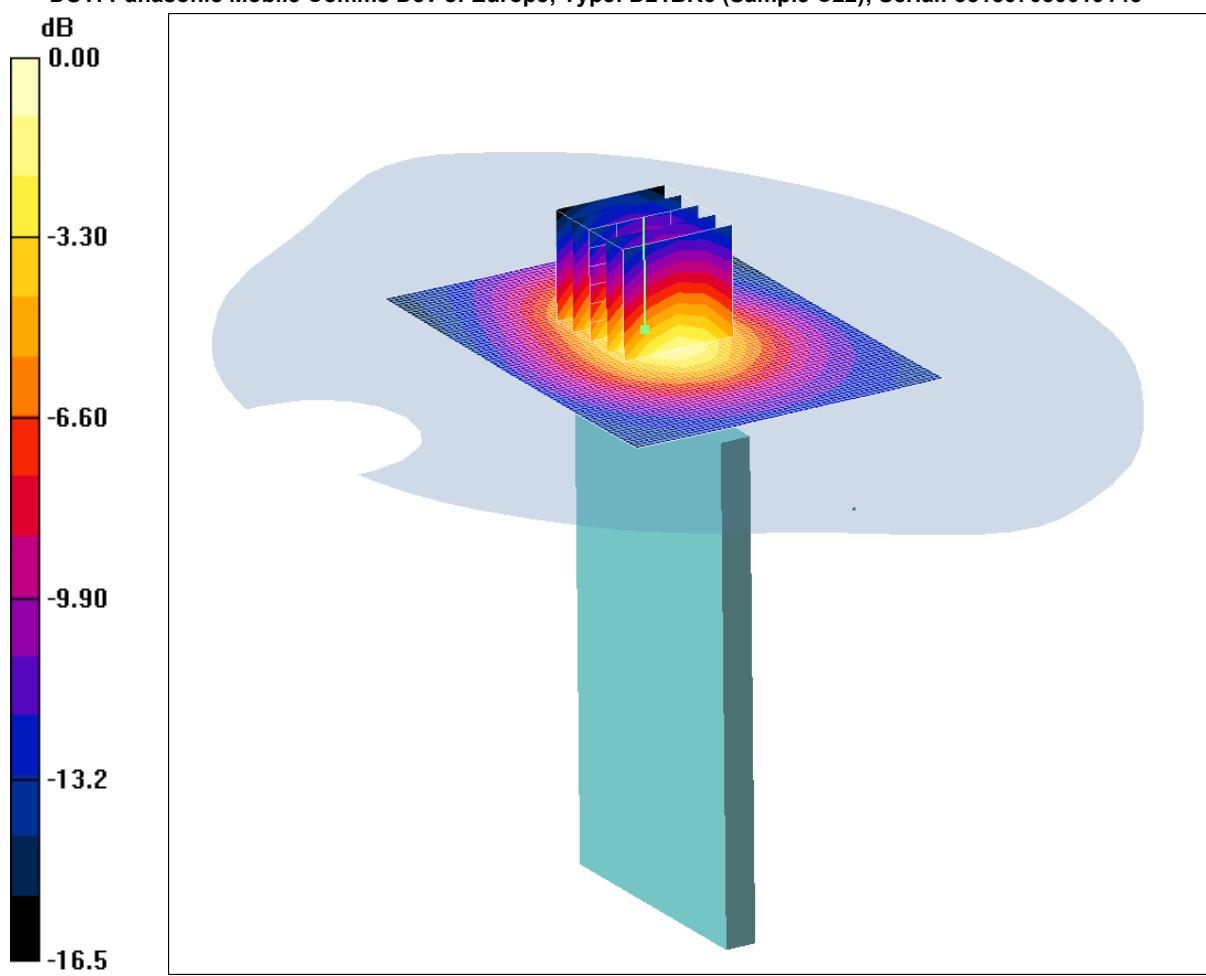
**SAR(1 g) = 0.188 mW/g; SAR(10 g) = 0.108 mW/g**

Maximum value of SAR (measured) = 0.206 mW/g

SCN/87473JD03/022: Bottom of EUT Facing Phantom GPRS 4Tx CH661

Date 03/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.467mW/g

Communication System: GPRS 1900 4Tx; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.53 \text{ mho/m}$ ;  $\epsilon_r = 52$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(4.69, 4.69, 4.69); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**Bottom of EUT Facing Phantom - Middle/Area Scan 2 (61x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

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

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

Reference Value = 18.4 V/m; Power Drift = 0.055 dB

Peak SAR (extrapolated) = 0.641 W/kg

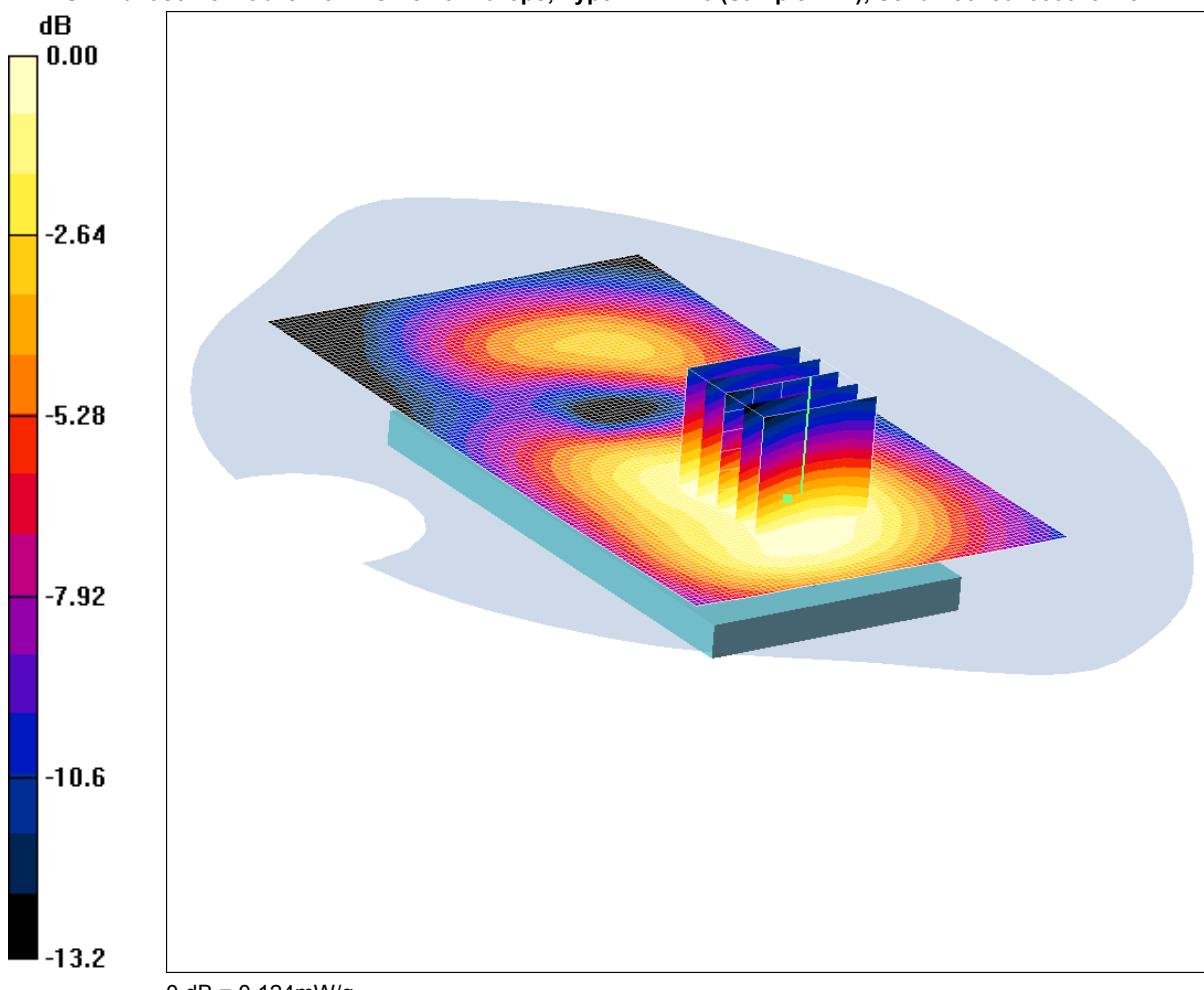
**SAR(1 g) = 0.423 mW/g; SAR(10 g) = 0.246 mW/g**

Maximum value of SAR (measured) = 0.467 mW/g

SCN/87473JD03/023: Back of EUT Facing Phantom PCS CH661

Date 03/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.124mW/g

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

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.53 \text{ mho/m}$ ;  $\epsilon_r = 52$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(4.69, 4.69, 4.69); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**Back of EUT Facing Phantom - Middle/Area Scan (71x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.129 mW/g

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

Reference Value = 4.76 V/m; Power Drift = -0.108 dB

Peak SAR (extrapolated) = 0.166 W/kg

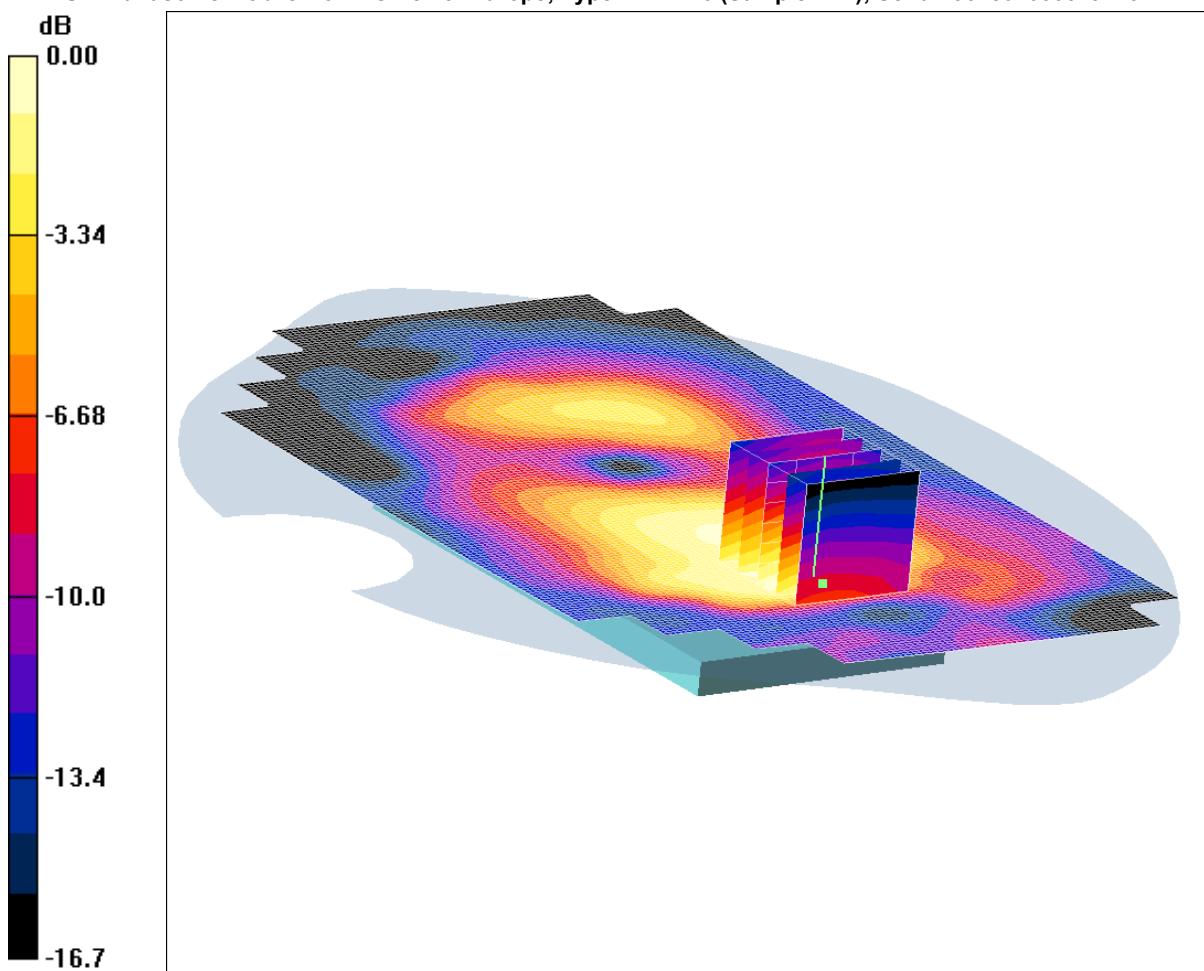
**SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.079 mW/g**

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

SCN/87473JD03/024: Back of EUT Facing Phantom with PHF PCS CH661

Date 03/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.140mW/g

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

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.53 \text{ mho/m}$ ;  $\epsilon_r = 52$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(4.69, 4.69, 4.69); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

**Back of EUT Facing Phantom with PHF - Middle 2/Area Scan (101x161x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.146 mW/g

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

Reference Value = 4.67 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 0.216 W/kg

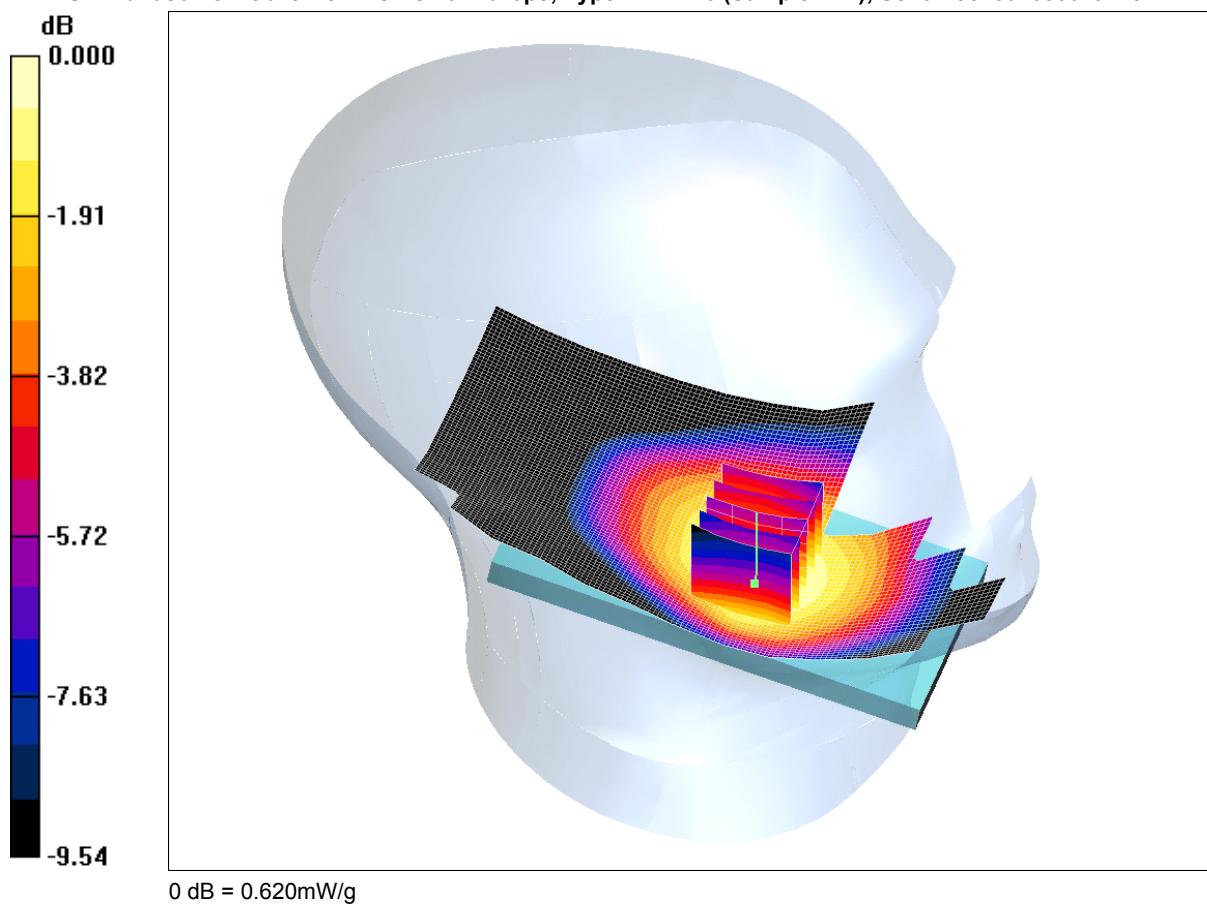
**SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.084 mW/g**

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

SCN/87473JD03/025: Touch Left UMTS FDD V CH4183

Date 07/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.620mW/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;  $\sigma = 0.905$  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: 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

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

Maximum value of SAR (interpolated) = 0.643 mW/g

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

Reference Value = 9.08 V/m; Power Drift = -0.094 dB

Peak SAR (extrapolated) = 0.712 W/kg

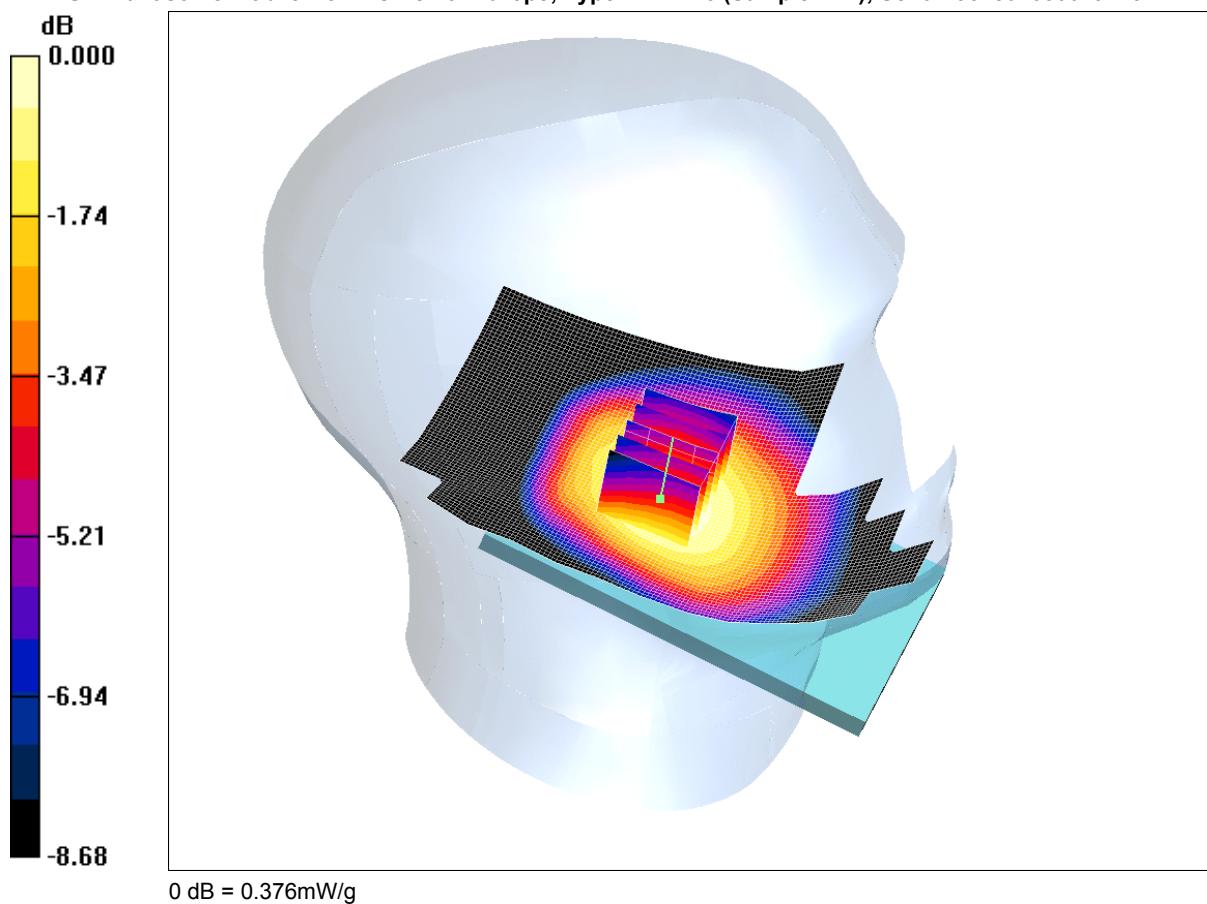
**SAR(1 g) = 0.567 mW/g; SAR(10 g) = 0.434 mW/g**

Maximum value of SAR (measured) = 0.620 mW/g

SCN/87473JD03/026: Tilt Left UMTS FDD V CH4183

Date 07/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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;  $\sigma = 0.905$  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: 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

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

Maximum value of SAR (interpolated) = 0.384 mW/g

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

Reference Value = 12.7 V/m; Power Drift = -0.156 dB

Peak SAR (extrapolated) = 0.420 W/kg

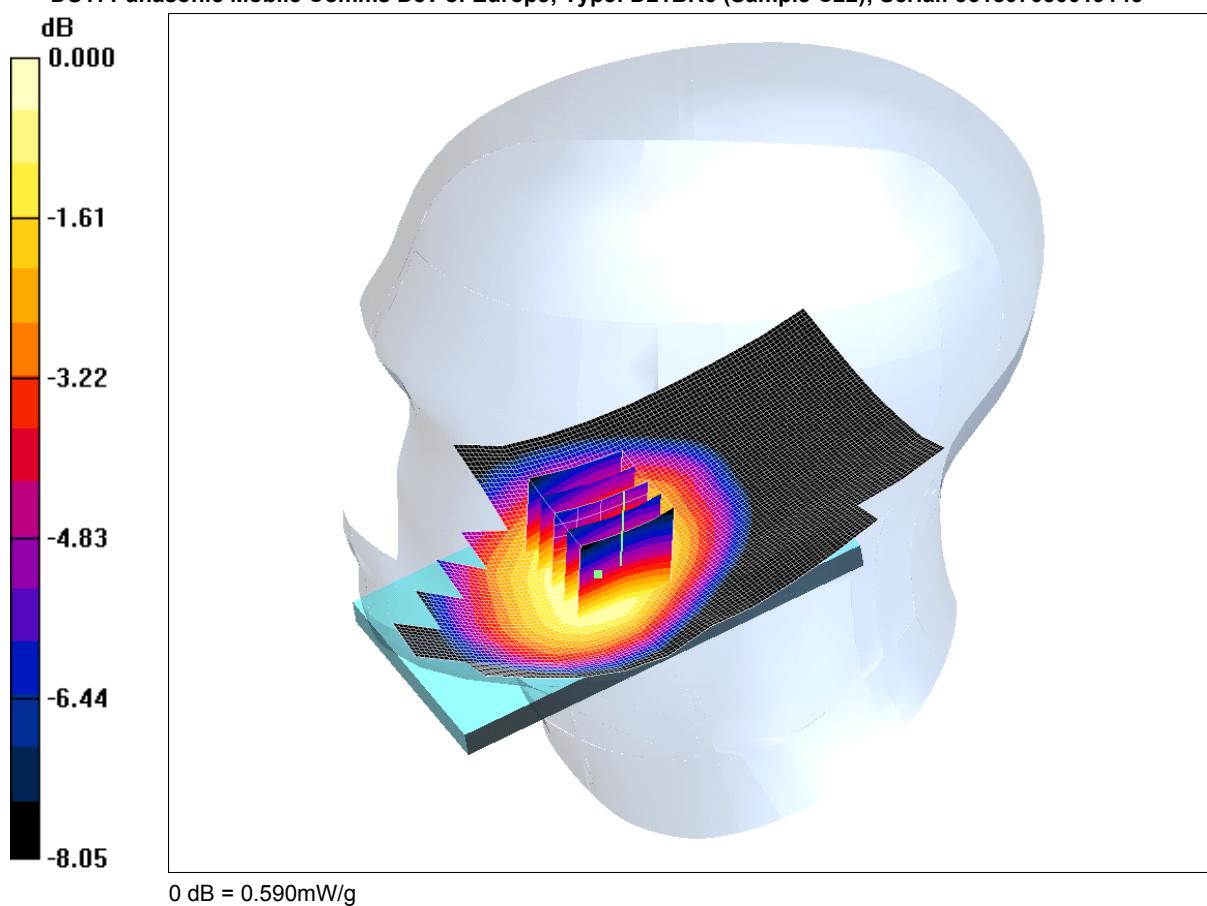
**SAR(1 g) = 0.338 mW/g; SAR(10 g) = 0.264 mW/g**

Maximum value of SAR (measured) = 0.376 mW/g

SCN/87473JD03/027: Touch Right UMTS FDD V CH4183

Date 07/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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;  $\sigma = 0.905$  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: 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

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

Maximum value of SAR (interpolated) = 0.597 mW/g

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

Reference Value = 7.59 V/m; Power Drift = 0.179 dB

Peak SAR (extrapolated) = 0.659 W/kg

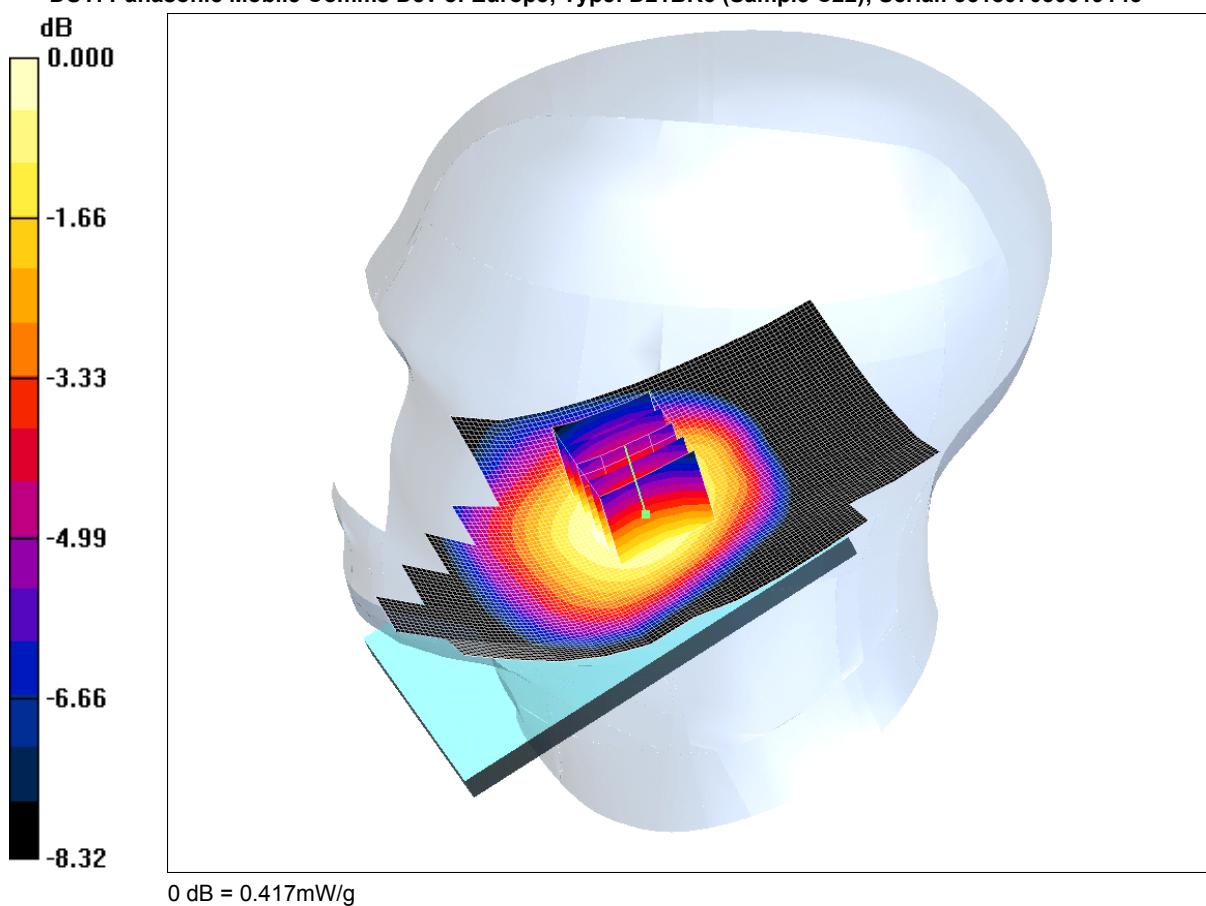
**SAR(1 g) = 0.538 mW/g; SAR(10 g) = 0.416 mW/g**

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

SCN/87473JD03/028: Tilt Right UMTS FDD V CH4183

Date 07/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.417mW/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;  $\sigma = 0.905$  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: 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

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

Maximum value of SAR (interpolated) = 0.429 mW/g

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

Reference Value = 12.1 V/m; Power Drift = 0.059 dB

Peak SAR (extrapolated) = 0.459 W/kg

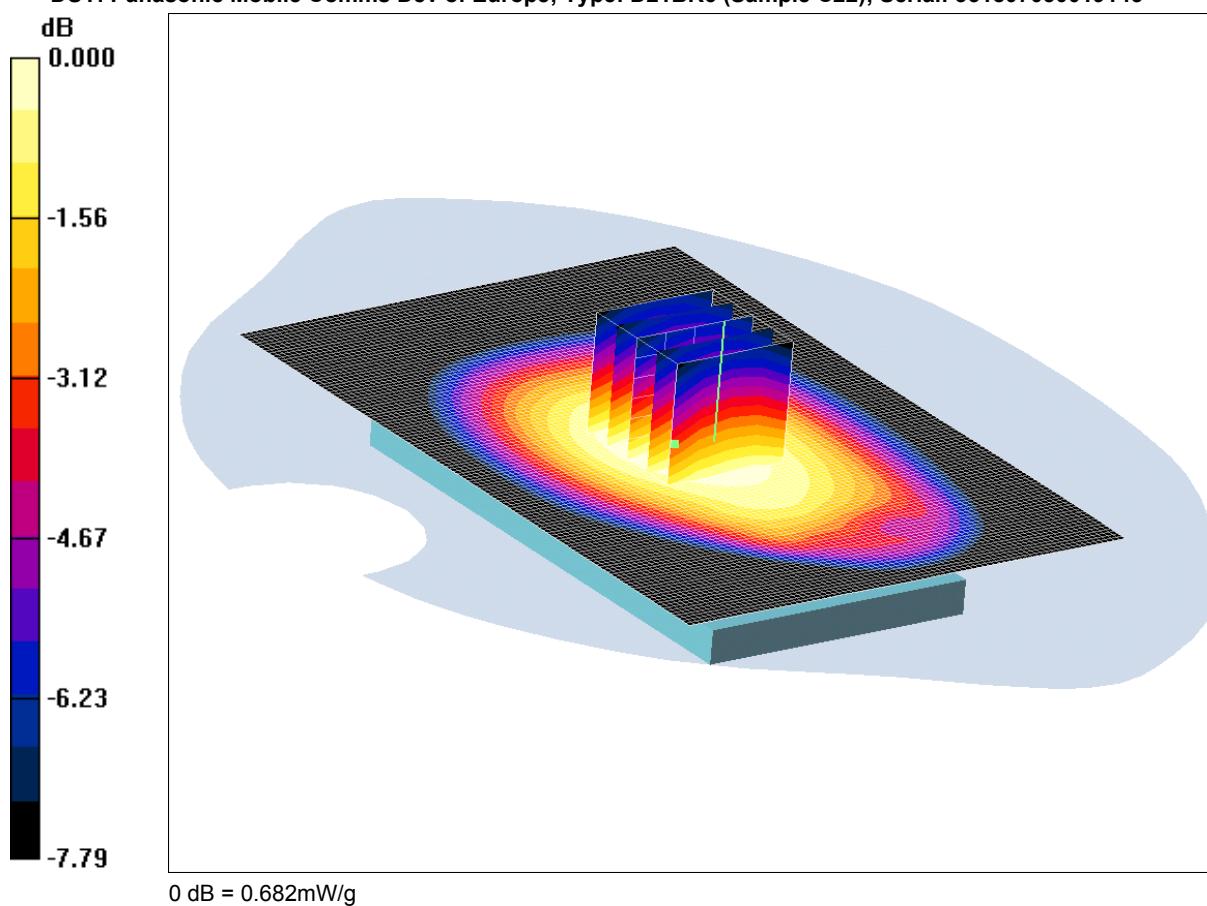
**SAR(1 g) = 0.379 mW/g; SAR(10 g) = 0.298 mW/g**

Maximum value of SAR (measured) = 0.417 mW/g

SCN/87473JD03/029: Front of EUT Facing Phantom UMTS FDD V CH4183

Date: 08/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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;  $\sigma = 0.98$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  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: 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 2/Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.691 mW/g

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

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

Reference Value = 26.8 V/m; Power Drift = -0.057 dB

Peak SAR (extrapolated) = 0.831 W/kg

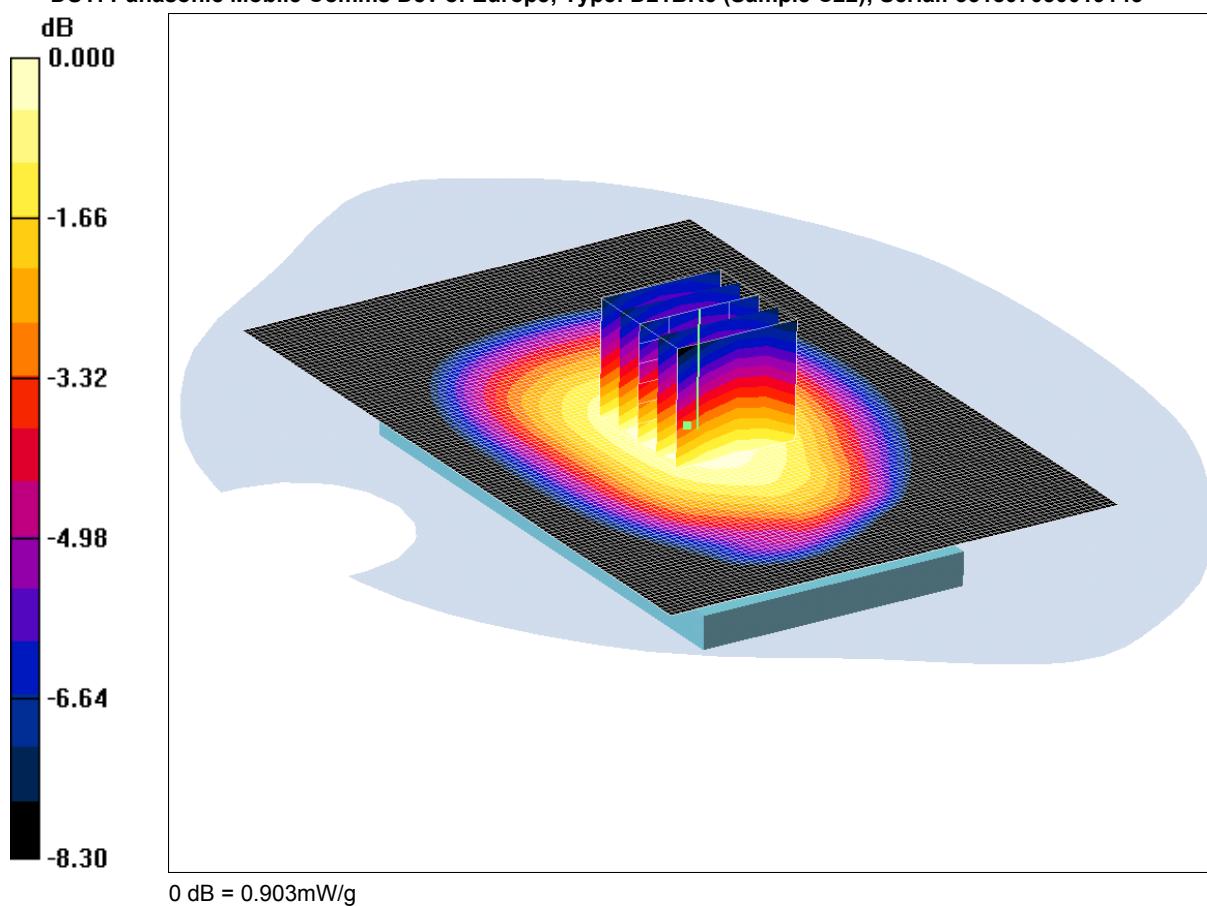
**SAR(1 g) = 0.658 mW/g; SAR(10 g) = 0.506 mW/g**

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

SCN/87473JD03/030: Back of EUT Facing Phantom UMTS FDD V CH4183

Date: 08/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.903mW/g

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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.98 \text{ mho/m}$ ;  $\epsilon_r = 54.2$ ;  $\rho = 1000 \text{ kg/m}^3$

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

**Back of EUT Facing Phantom - Middle 2/Area Scan (81x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.896 mW/g

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

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

Reference Value = 30.3 V/m; Power Drift = -0.009 dB

Peak SAR (extrapolated) = 1.09 W/kg

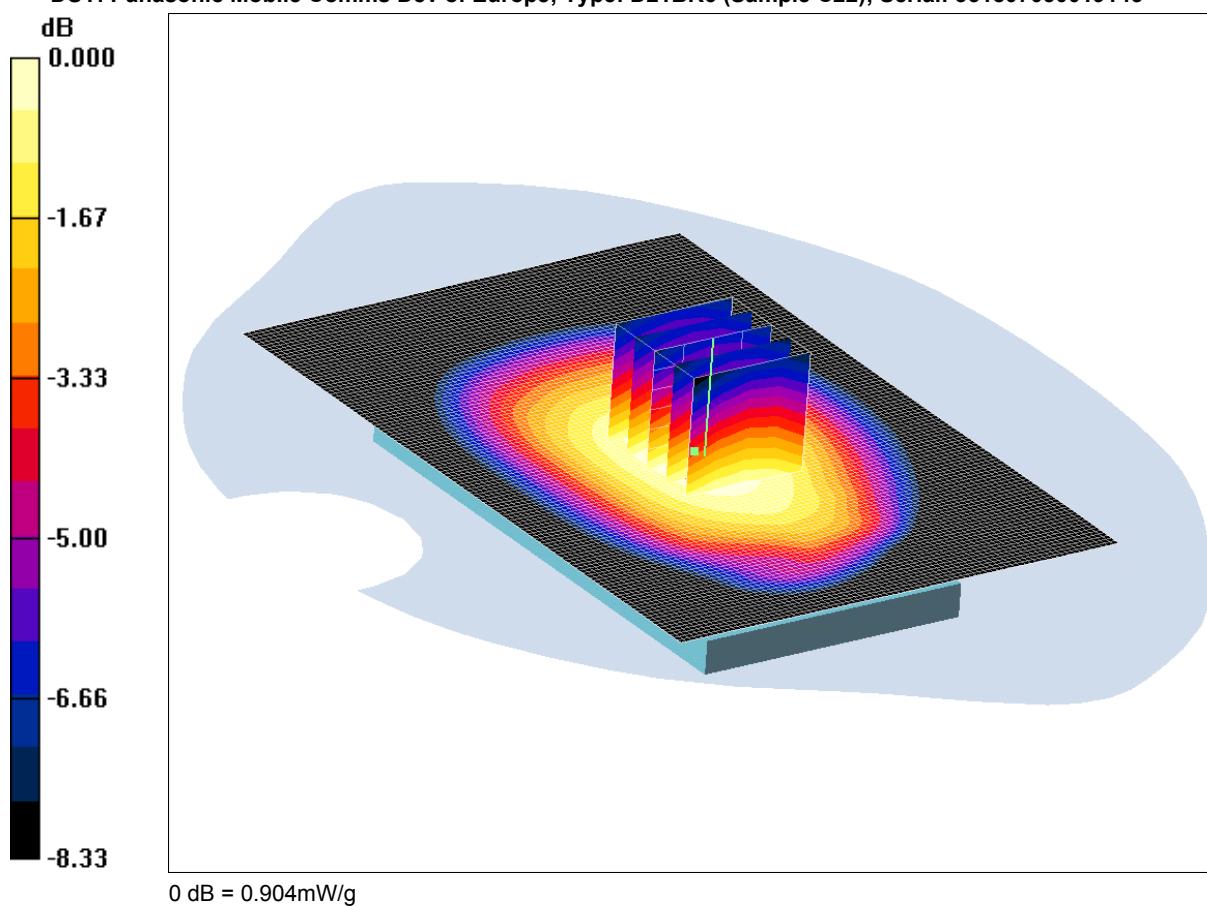
**SAR(1 g) = 0.864 mW/g; SAR(10 g) = 0.655 mW/g**

Maximum value of SAR (measured) = 0.903 mW/g

SCN/87473JD03/031: Back of EUT Facing Phantom UMTS FDD V CH4132

Date: 08/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  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: 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

**Back of EUT Facing Phantom - Low 2/Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.894 mW/g

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

Reference Value = 30.1 V/m; Power Drift = 0.087 dB

Peak SAR (extrapolated) = 1.09 W/kg

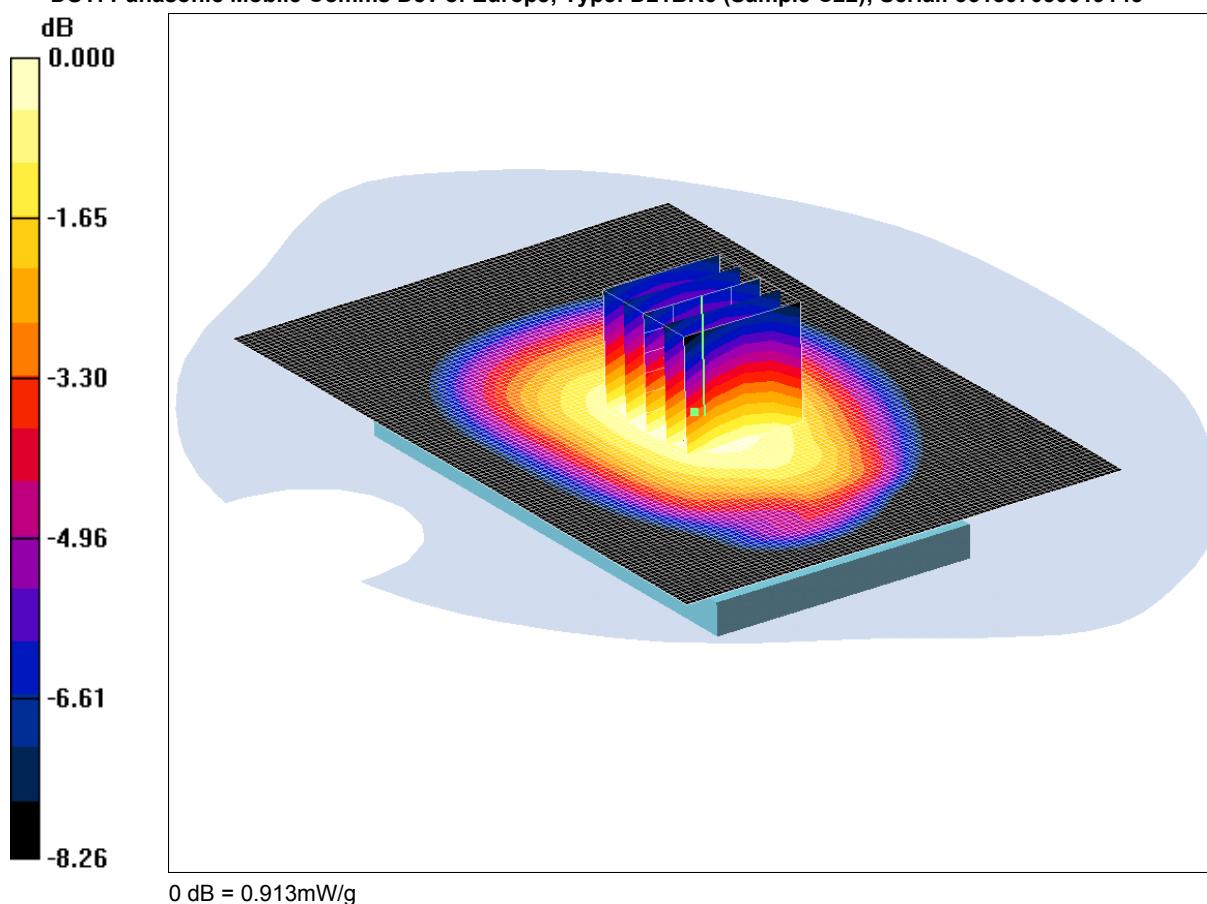
**SAR(1 g) = 0.865 mW/g; SAR(10 g) = 0.657 mW/g**

Maximum value of SAR (measured) = 0.904 mW/g

SCN/87473JD03/032: Back of EUT Facing Phantom UMTS FDD V CH4233

Date: 08/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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;  $\sigma = 0.985$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  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: 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

**Back of EUT Facing Phantom - High/Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.903 mW/g

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

Reference Value = 30.1 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 1.11 W/kg

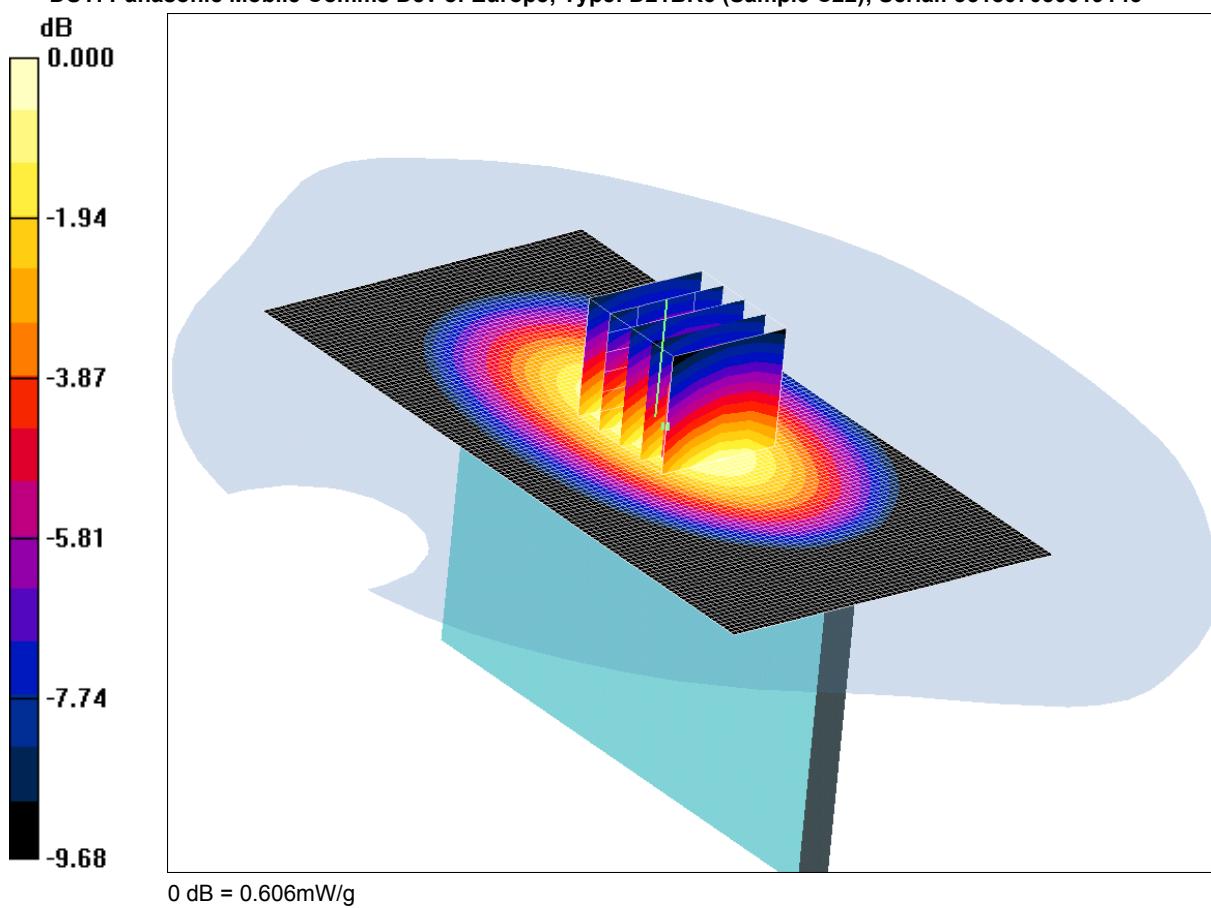
**SAR(1 g) = 0.875 mW/g; SAR(10 g) = 0.664 mW/g**

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

SCN/87473JD03/033: Left Hand Side of EUT Facing Phantom UMTS FDD V CH4183

Date: 08/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.606mW/g

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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.98 \text{ mho/m}$ ;  $\epsilon_r = 54.2$ ;  $\rho = 1000 \text{ kg/m}^3$

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

**Left Hand Side of EUT Facing Phantom - Middle 2/Area Scan (61x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.623 mW/g

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

Reference Value = 25.2 V/m; Power Drift = 0.035 dB

Peak SAR (extrapolated) = 0.806 W/kg

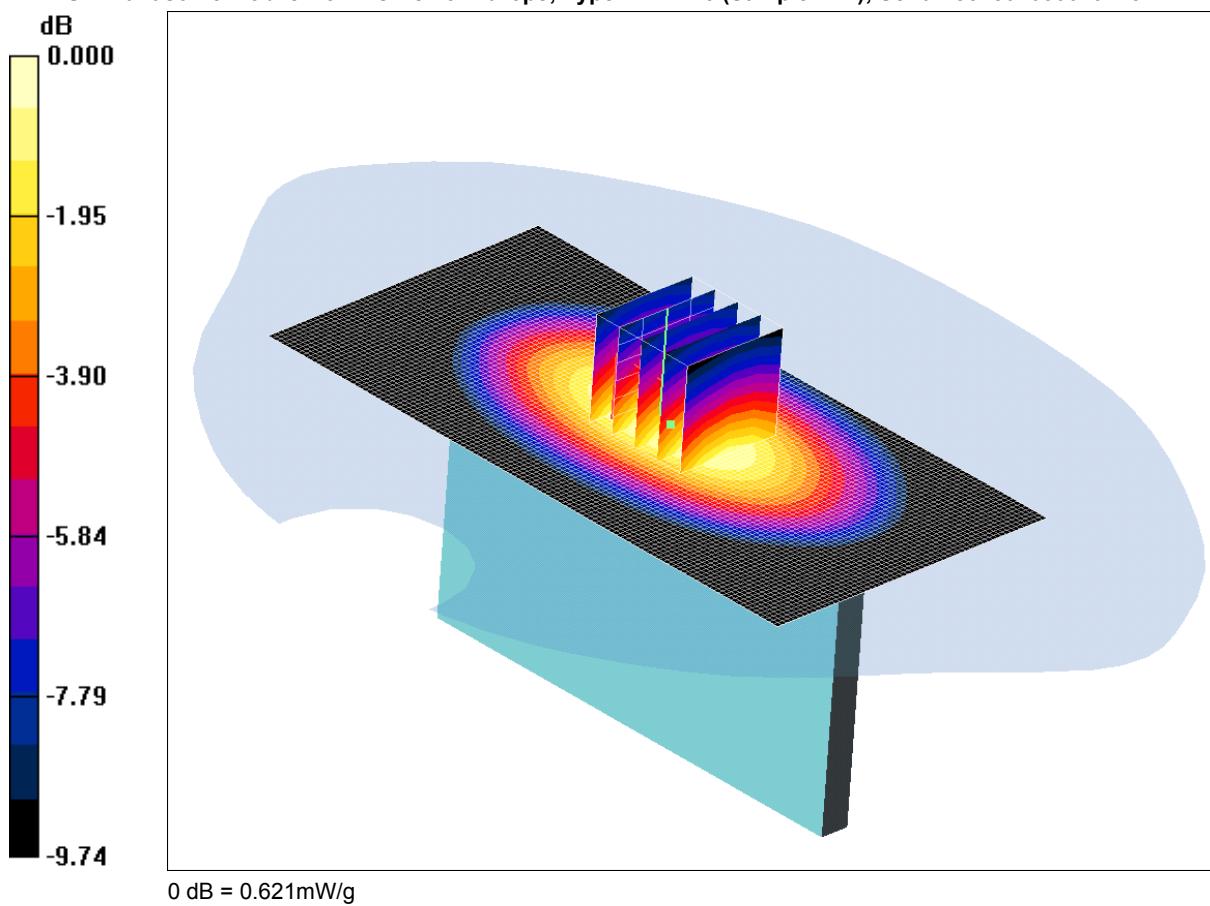
**SAR(1 g) = 0.572 mW/g; SAR(10 g) = 0.396 mW/g**

Maximum value of SAR (measured) = 0.606 mW/g

SCN/87473JD03/034: Right Hand Side of EUT Facing Phantom UMTS FDD V CH4183

Date: 08/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.621mW/g

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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.98 \text{ mho/m}$ ;  $\epsilon_r = 54.2$ ;  $\rho = 1000 \text{ kg/m}^3$

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

**Right Hand Side of EUT Facing Phantom - Middle 2/Area Scan (61x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.611 mW/g

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

Reference Value = 25.1 V/m; Power Drift = -0.129 dB

Peak SAR (extrapolated) = 0.824 W/kg

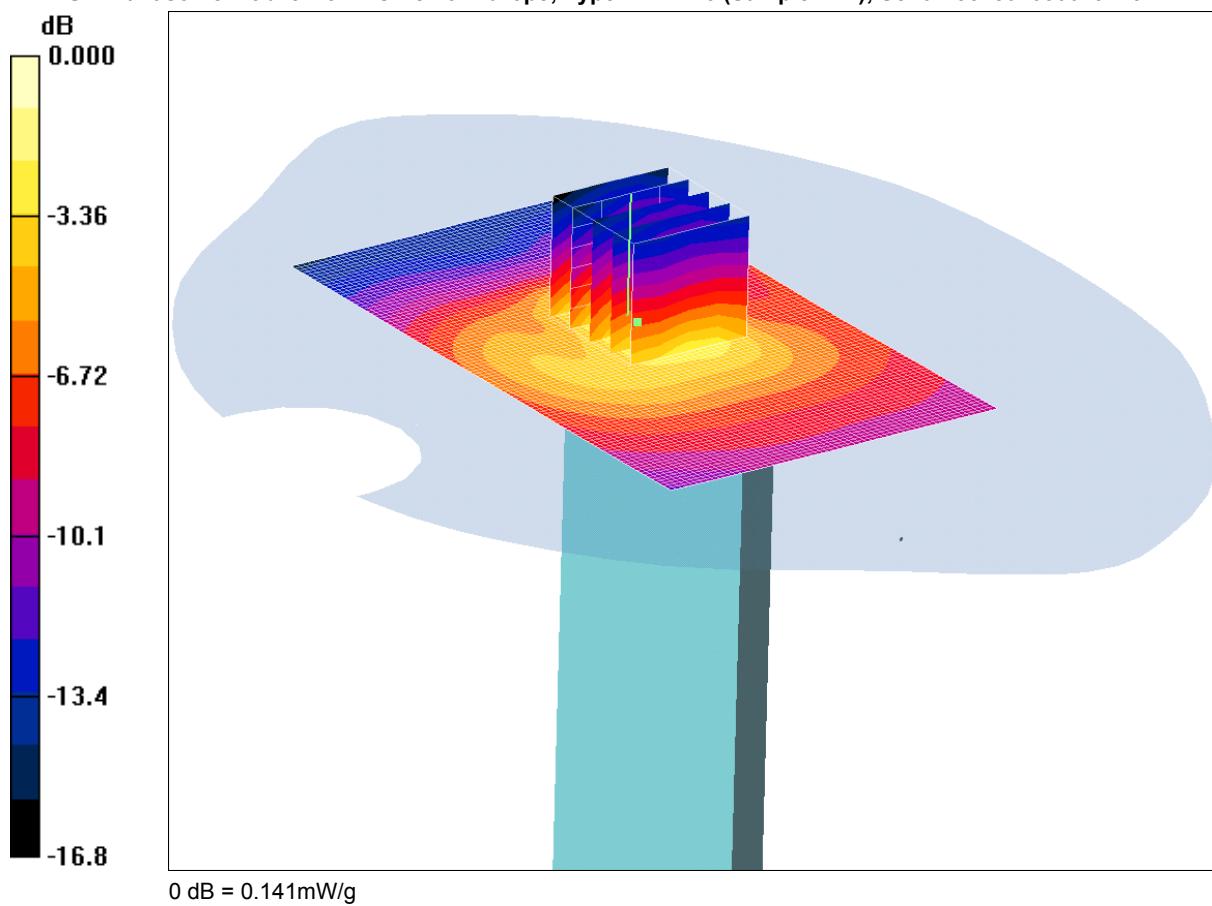
**SAR(1 g) = 0.583 mW/g; SAR(10 g) = 0.402 mW/g**

Maximum value of SAR (measured) = 0.621 mW/g

SCN/87473JD03/035: Bottom of EUT Facing Phantom UMTS FDD V CH4183

Date: 08/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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;  $\sigma = 0.98$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  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: 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 - Middle 2 2/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.126 mW/g

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

Reference Value = 10.6 V/m; Power Drift = 0.071 dB

Peak SAR (extrapolated) = 0.252 W/kg

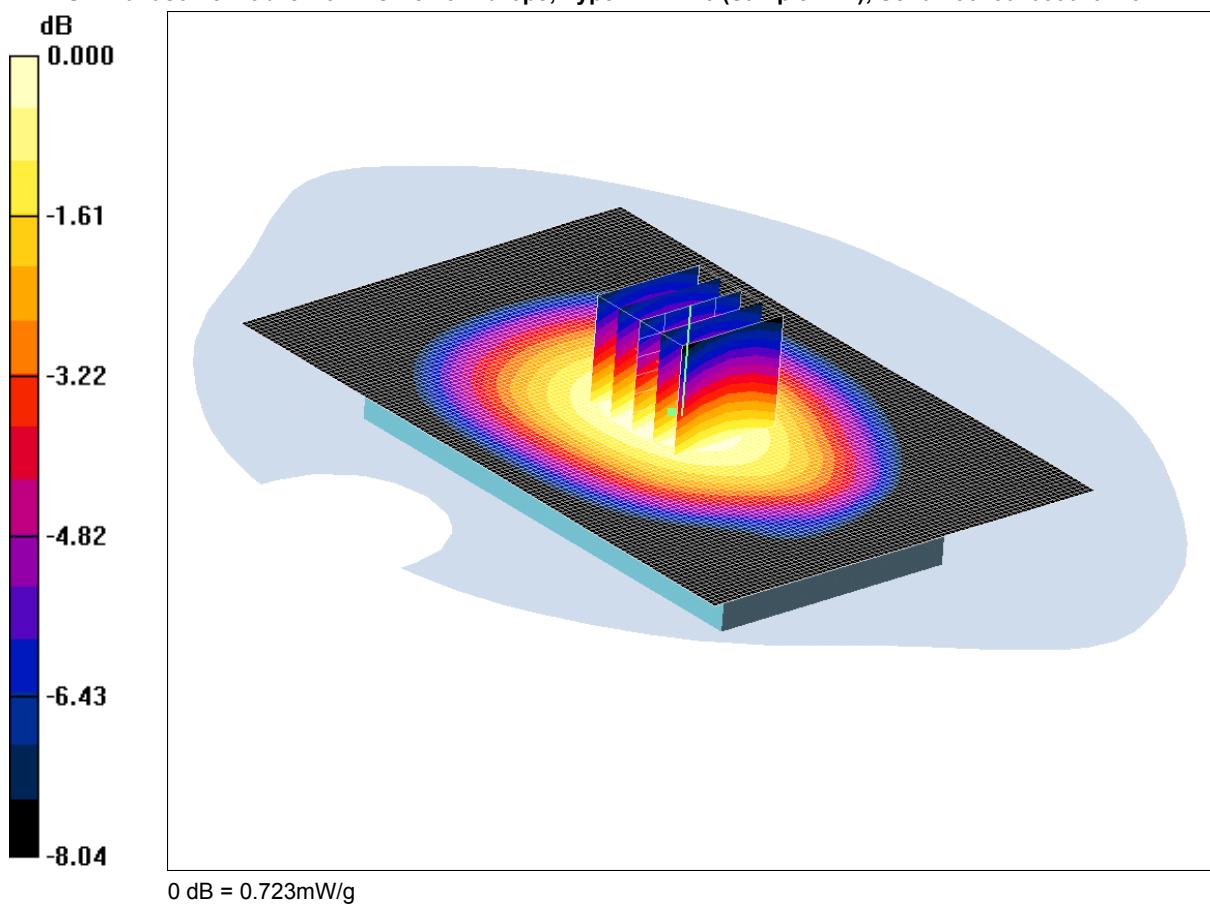
**SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.066 mW/g**

Maximum value of SAR (measured) = 0.141 mW/g

SCN/87473JD03/036: Back of EUT Facing Phantom at 15mm UMTS FDD V CH4183

Date: 08/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.98 \text{ mho/m}$ ;  $\epsilon_r = 54.2$ ;  $\rho = 1000 \text{ kg/m}^3$

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

**Back of EUT Facing Phantom at 15mm- Middle 2/Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.735 mW/g

**Back of EUT Facing Phantom at 15mm- Middle 2/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.2 V/m; Power Drift = 0.113 dB

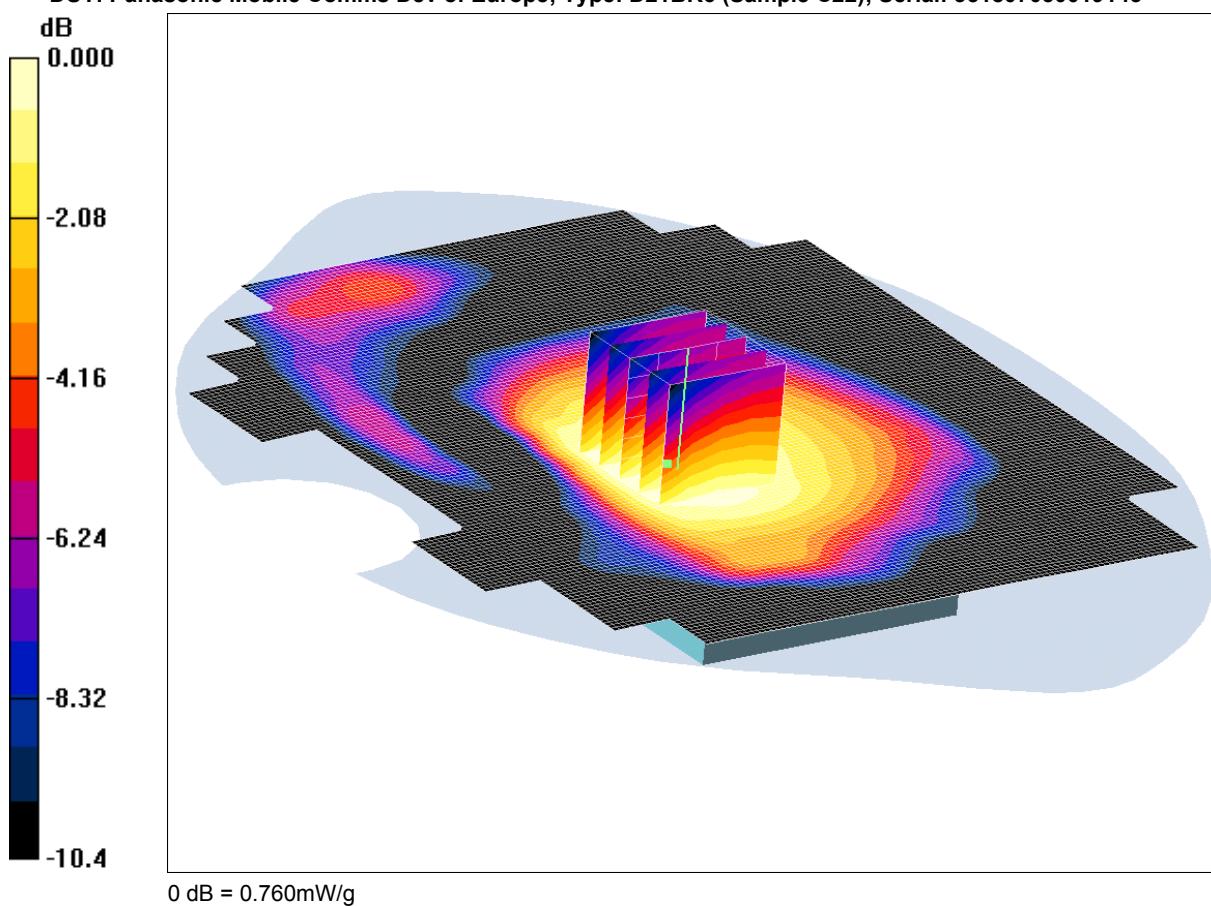
Peak SAR (extrapolated) = 0.885 W/kg

**SAR(1 g) = 0.694 mW/g; SAR(10 g) = 0.526 mW/g**

Maximum value of SAR (measured) = 0.723 mW/g

SCN/87473JD03/037: Back of EUT Facing Phantom at 15mm with PHF UMTS FDD V CH4183  
Date: 08/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.98 \text{ mho/m}$ ;  $\epsilon_r = 54.2$ ;  $\rho = 1000 \text{ kg/m}^3$

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

**Back of EUT Facing Phantom at 15mm with PHF- Middle 2/Area Scan (121x141x1):** Measurement grid: dx=15mm, dy=15mm

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

**Back of EUT Facing Phantom at 15mm with PHF- Middle 2/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0:**

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

Reference Value = 27.3 V/m; Power Drift = -0.100 dB

Peak SAR (extrapolated) = 0.913 W/kg

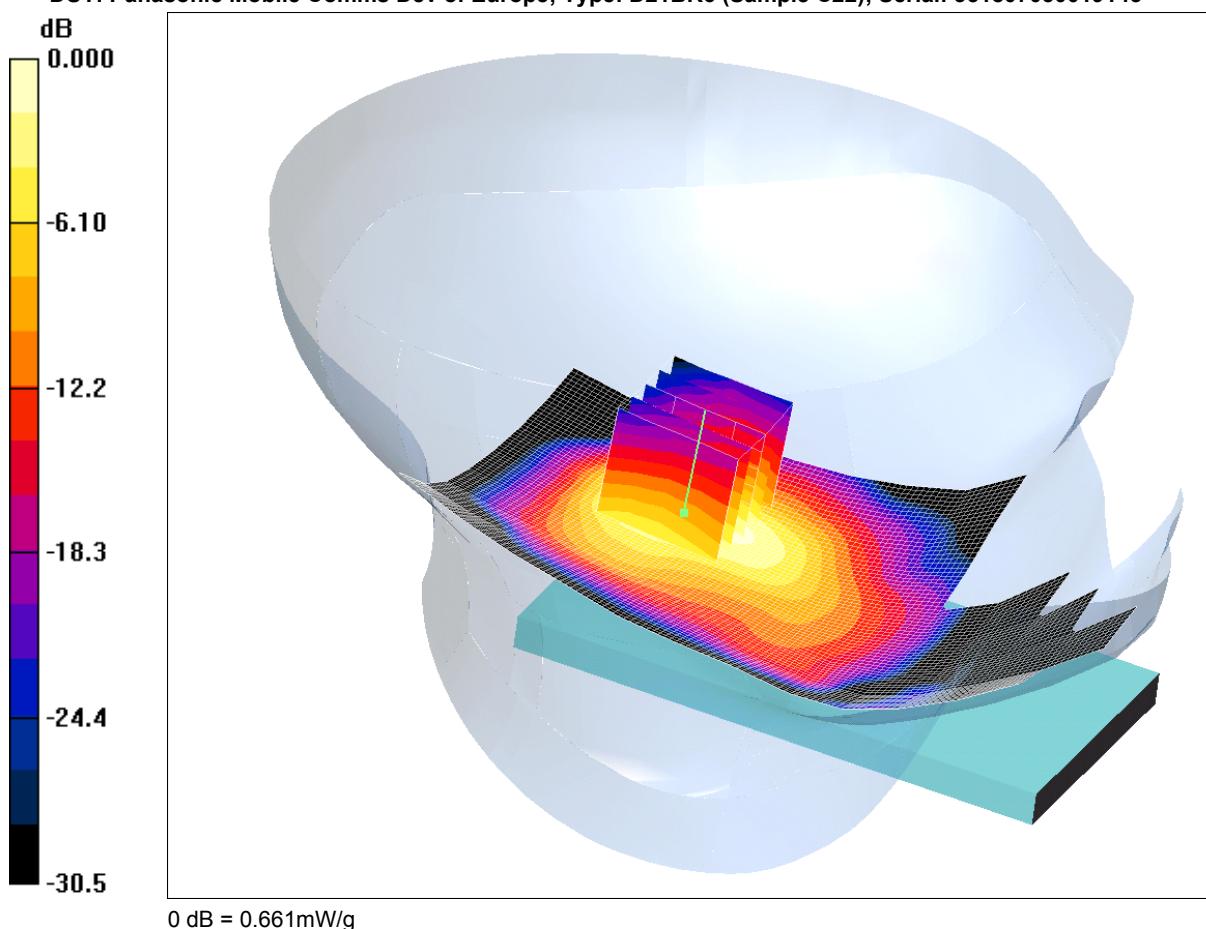
**SAR(1 g) = 0.727 mW/g; SAR(10 g) = 0.555 mW/g**

Maximum value of SAR (measured) = 0.760 mW/g

SCN/87473JD03/038: Touch Left WLAN 802.11b CH6

Date: 09/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.661mW/g

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

Medium: 2450 MHz HSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.82$  mho/m;  $\epsilon_r = 38.3$ ;  $\rho = 1000$  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 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) = 0.853 mW/g

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

Reference Value = 11.2 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 1.26 W/kg

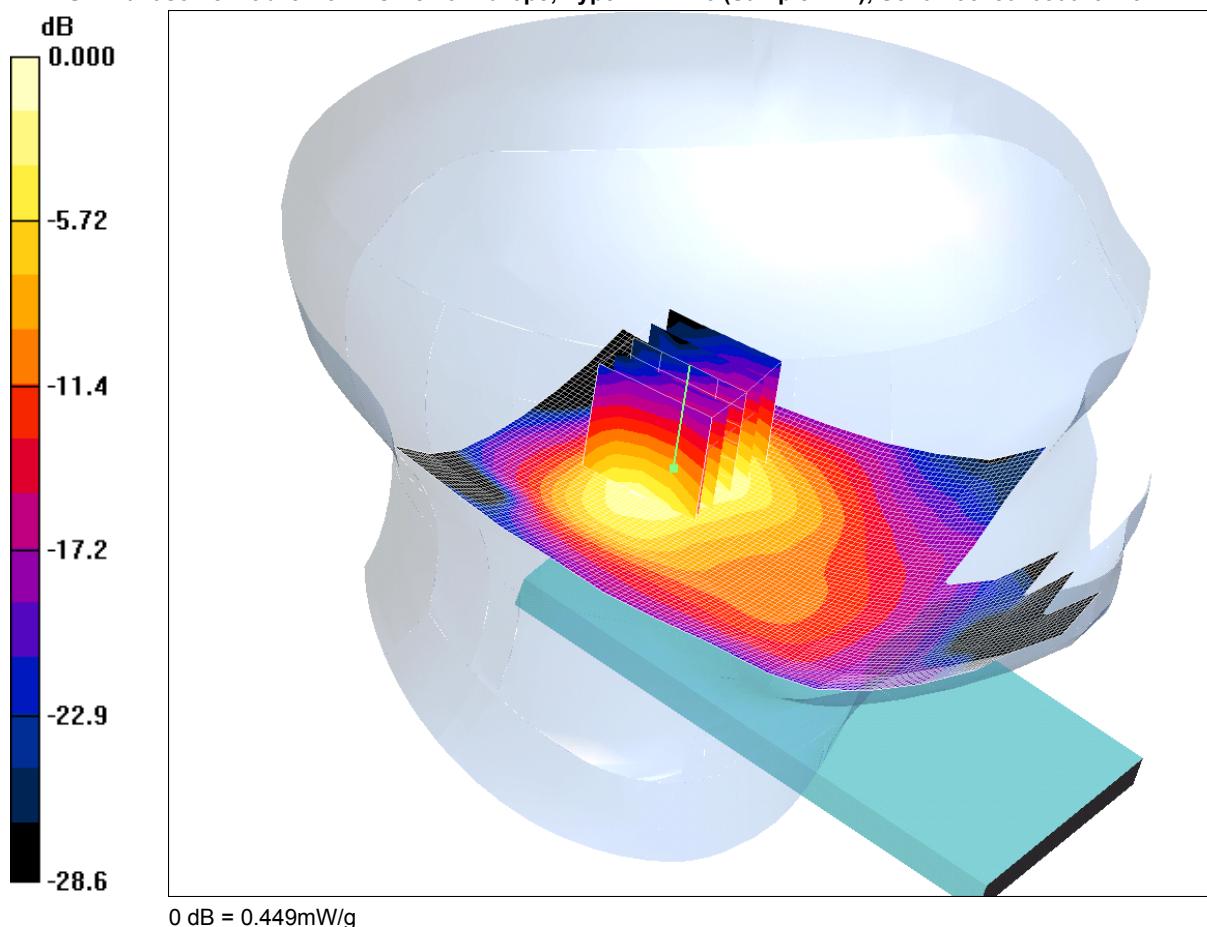
**SAR(1 g) = 0.529 mW/g; SAR(10 g) = 0.252 mW/g**

Maximum value of SAR (measured) = 0.661 mW/g

SCN/87473JD03/039: Tilt Left WLAN 802.11b CH6

Date: 09/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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

Medium: 2450 MHz HSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.82$  mho/m;  $\epsilon_r = 38.3$ ;  $\rho = 1000$  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 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 2/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.576 mW/g

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

Reference Value = 11.9 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.783 W/kg

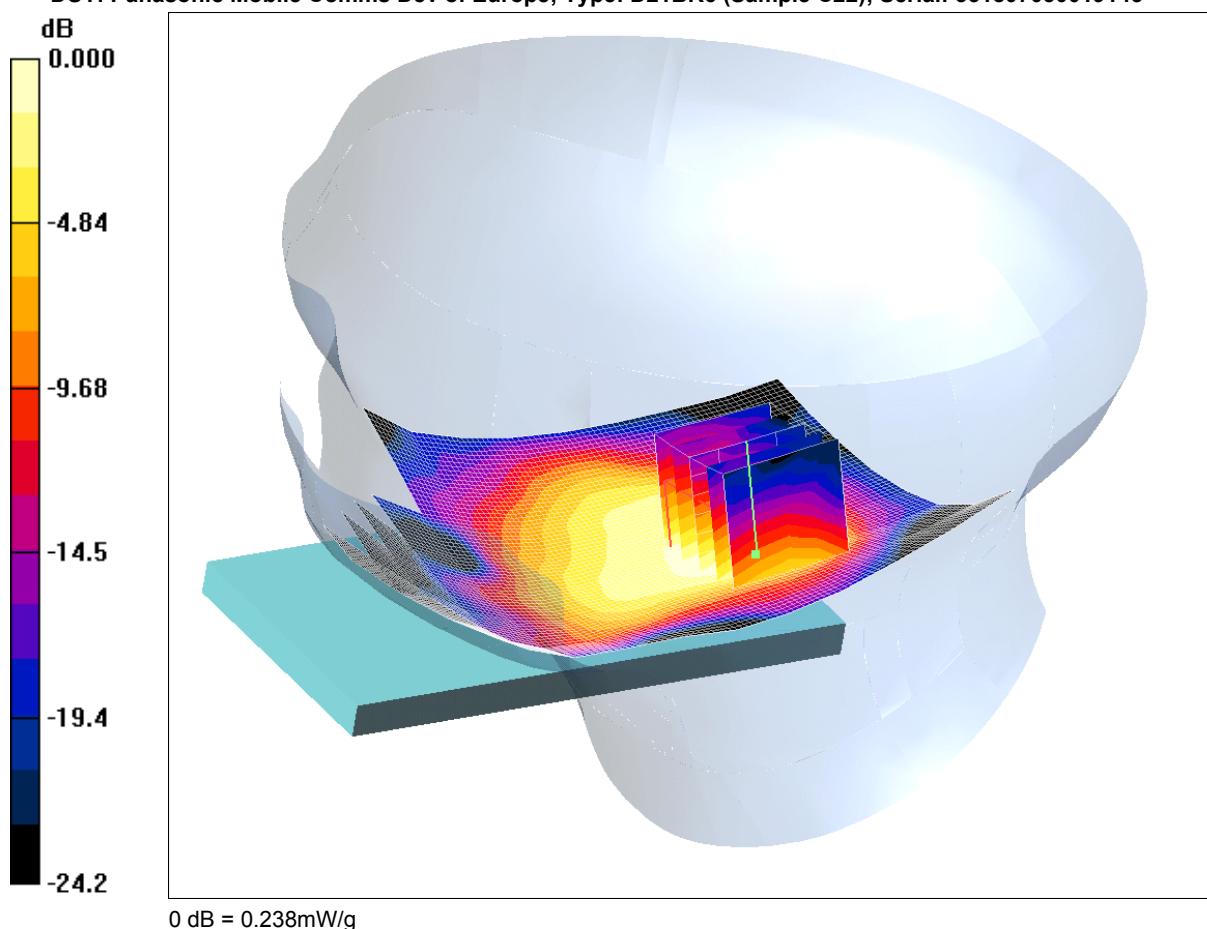
SAR(1 g) = 0.320 mW/g; SAR(10 g) = 0.152 mW/g

Maximum value of SAR (measured) = 0.449 mW/g

SCN/87473JD03/040: Touch Right WLAN 802.11b CH6

Date: 09/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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

Medium: 2450 MHz HSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.82$  mho/m;  $\epsilon_r = 38.3$ ;  $\rho = 1000$  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) = 0.291 mW/g

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

Reference Value = 10.2 V/m; Power Drift = 0.069 dB

Peak SAR (extrapolated) = 0.338 W/kg

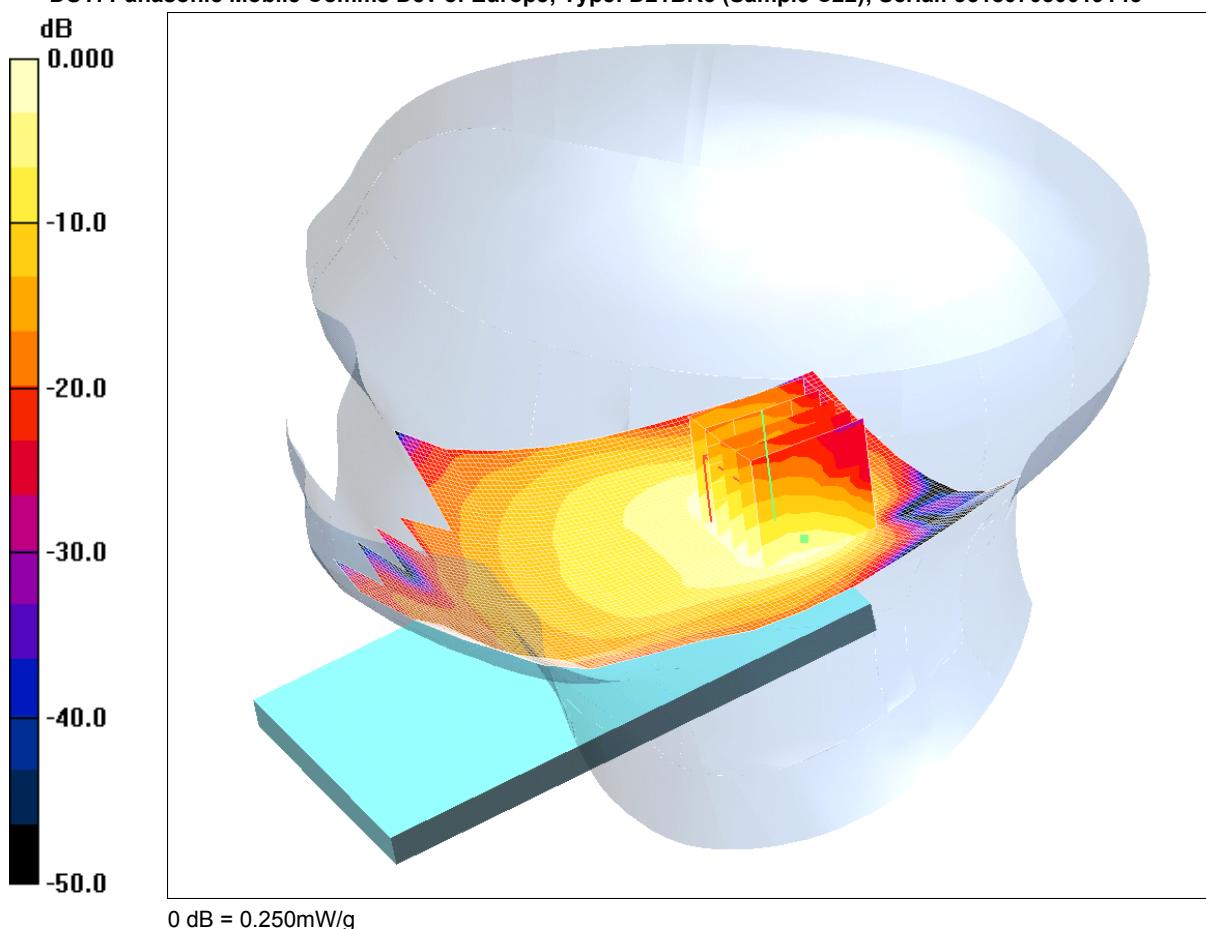
**SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.104 mW/g**

Maximum value of SAR (measured) = 0.238 mW/g

SCN/87473JD03/041: Tilt Right WLAN 802.11b CH6

Date: 09/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.250mW/g

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

Medium: 2450 MHz HSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.82$  mho/m;  $\epsilon_r = 38.3$ ;  $\rho = 1000$  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/Zoom Scan (5x5x7) 2 2 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = 0.073 dB

Peak SAR (extrapolated) = 0.326 W/kg

**SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.091 mW/g**

Maximum value of SAR (measured) = 0.229 mW/g

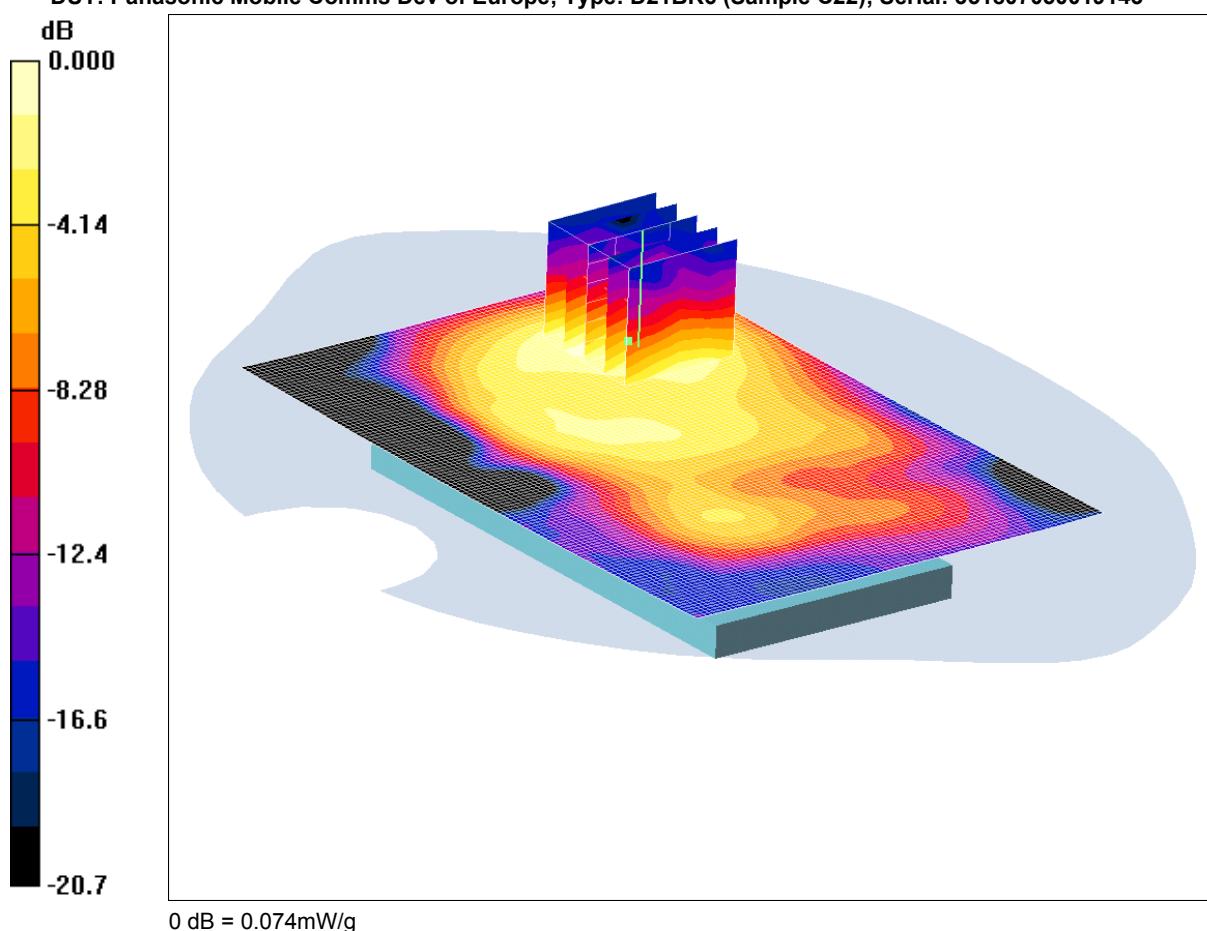
**Tilt Right - Middle/Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.250 mW/g

SCN/87473JD03/042: Front of EUT Facing Phantom WLAN 802.11b CH6

Date: 11/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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;  $\epsilon_r = 50.6$ ;  $\rho = 1000$  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: 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

**Front of EUT Facing Phantom - Middle 2 2/Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.076 mW/g

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

Reference Value = 4.27 V/m; Power Drift = 0.112 dB

Peak SAR (extrapolated) = 0.124 W/kg

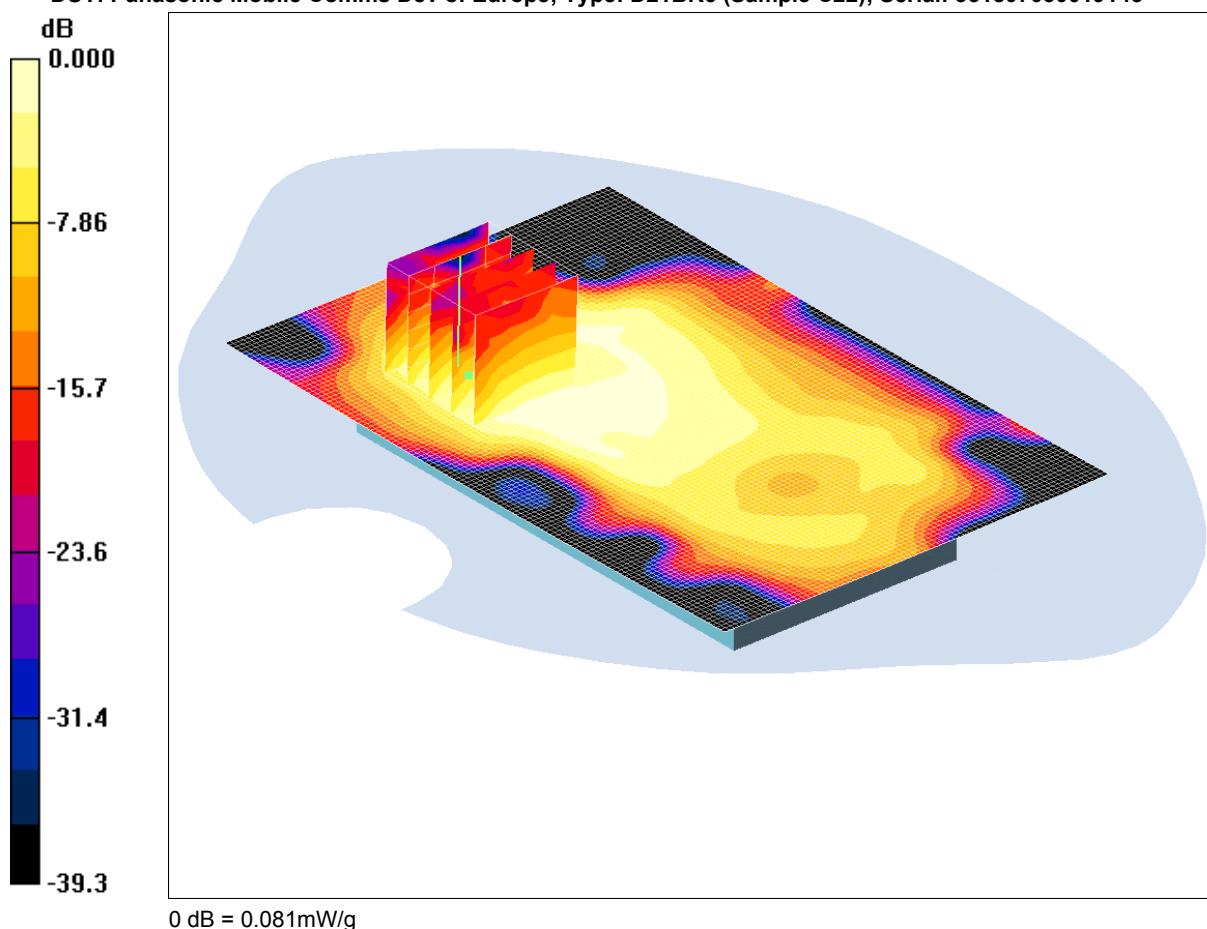
**SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.037 mW/g**

Maximum value of SAR (measured) = 0.074 mW/g

SCN/87473JD03/043: Back of EUT Facing Phantom WLAN 802.11b CH6

Date: 11/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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;  $\epsilon_r = 50.6$ ;  $\rho = 1000$  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: 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

**Back of EUT Facing Phantom - Middle 2 2/Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.078 mW/g

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

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

Reference Value = 4.80 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 0.145 W/kg

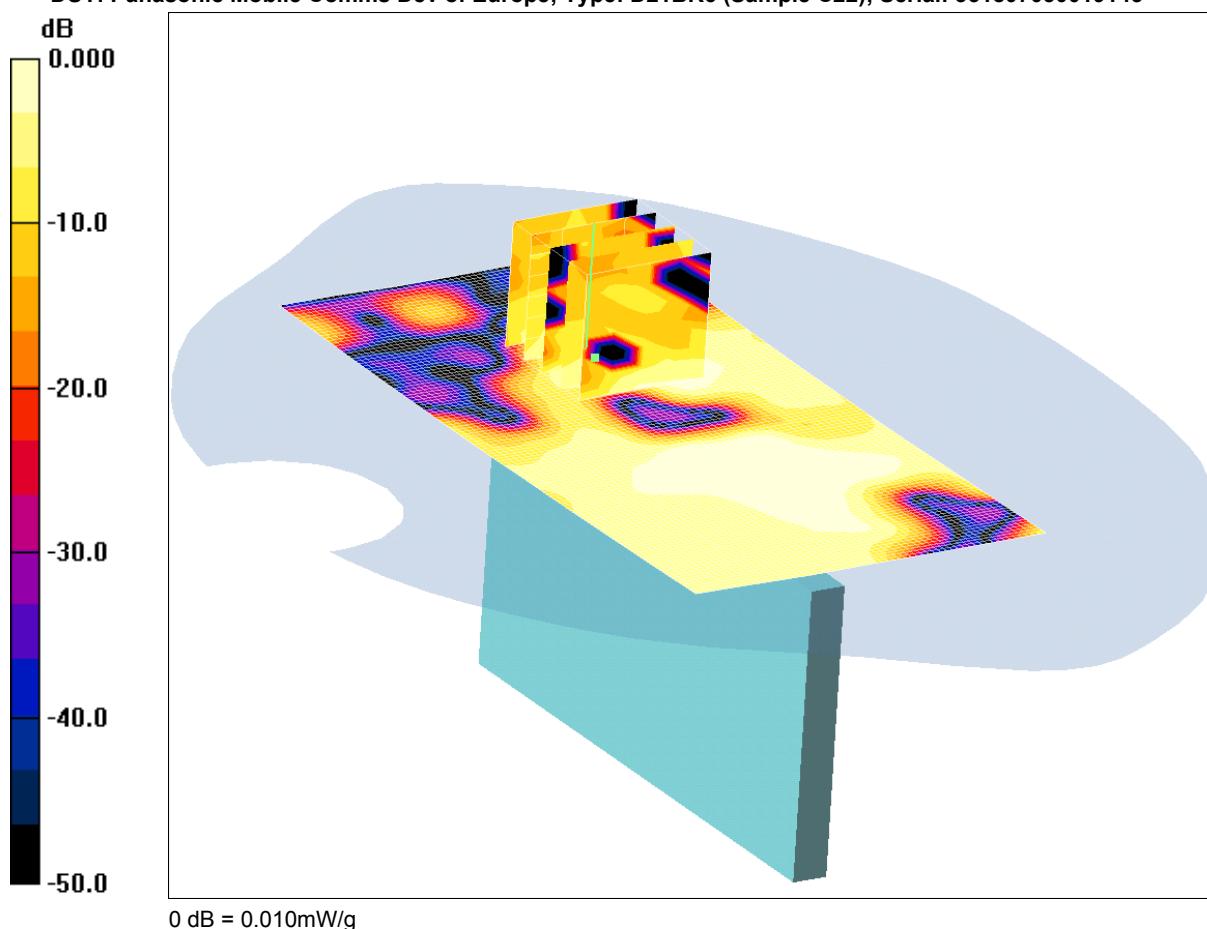
**SAR(1 g) = 0.071 mW/g; SAR(10 g) = 0.035 mW/g**

Maximum value of SAR (measured) = 0.081 mW/g

SCN/87473JD03/044: Left Hand Side of EUT Facing Phantom WLAN 802.11b CH6

Date: 11/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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;  $\epsilon_r = 50.6$ ;  $\rho = 1000$  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: 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

**Left Hand Side of EUT Facing Phantom - Middle 2 2/Area Scan (61x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.023 mW/g

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

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

Reference Value = 1.19 V/m; Power Drift = 0.155 dB

Peak SAR (extrapolated) = 0.017 W/kg

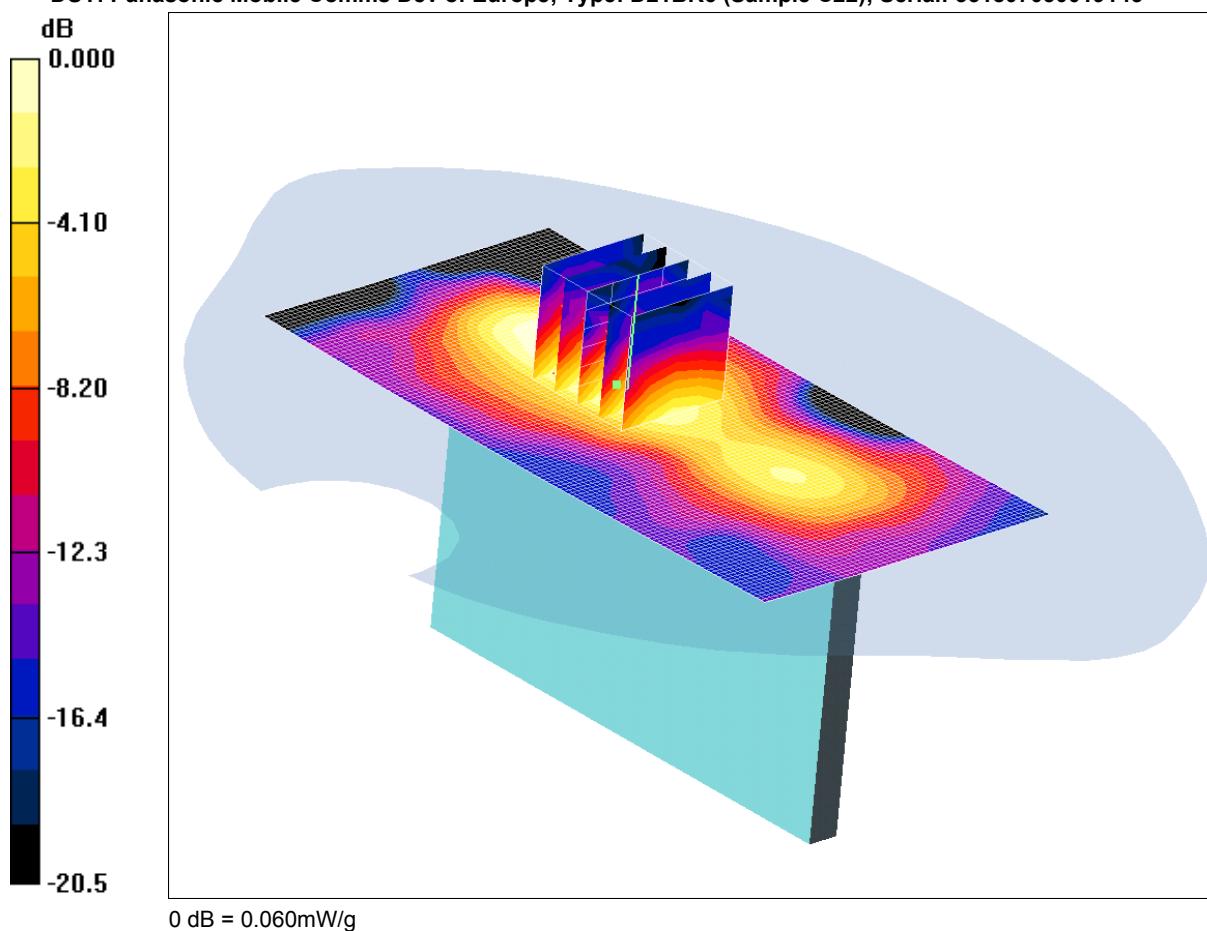
**SAR(1 g) = 0.00968 mW/g; SAR(10 g) = 0.00466 mW/g**

Maximum value of SAR (measured) = 0.010 mW/g

SCN/87473JD03/045: Right Hand Side of EUT Facing Phantom WLAN 802.11b CH6

Date: 11/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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;  $\epsilon_r = 50.6$ ;  $\rho = 1000$  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: 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

**Right Hand Side of EUT Facing Phantom - Middle 2 2/Area Scan (61x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.059 mW/g

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

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

Reference Value = 4.48 V/m; Power Drift = -0.073 dB

Peak SAR (extrapolated) = 0.099 W/kg

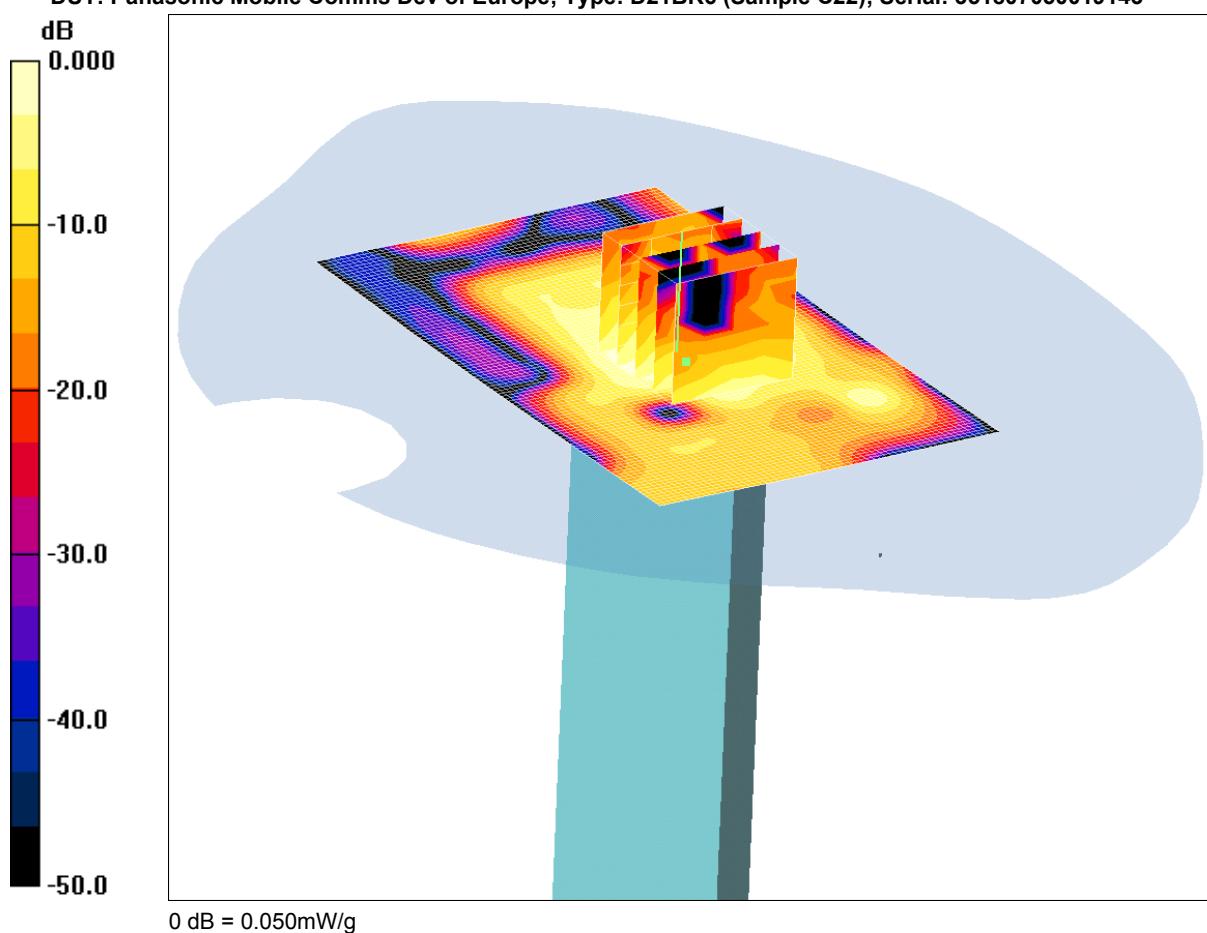
**SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.029 mW/g**

Maximum value of SAR (measured) = 0.060 mW/g

SCN/87473JD03/046: Top of EUT Facing Phantom WLAN 802.11b CH6

Date: 11/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



0 dB = 0.050mW/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;  $\epsilon_r = 50.6$ ;  $\rho = 1000$  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: 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

**Top of EUT Facing Phantom - Middle 2/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 5.44 V/m; Power Drift = 0.082 dB

Peak SAR (extrapolated) = 0.101 W/kg

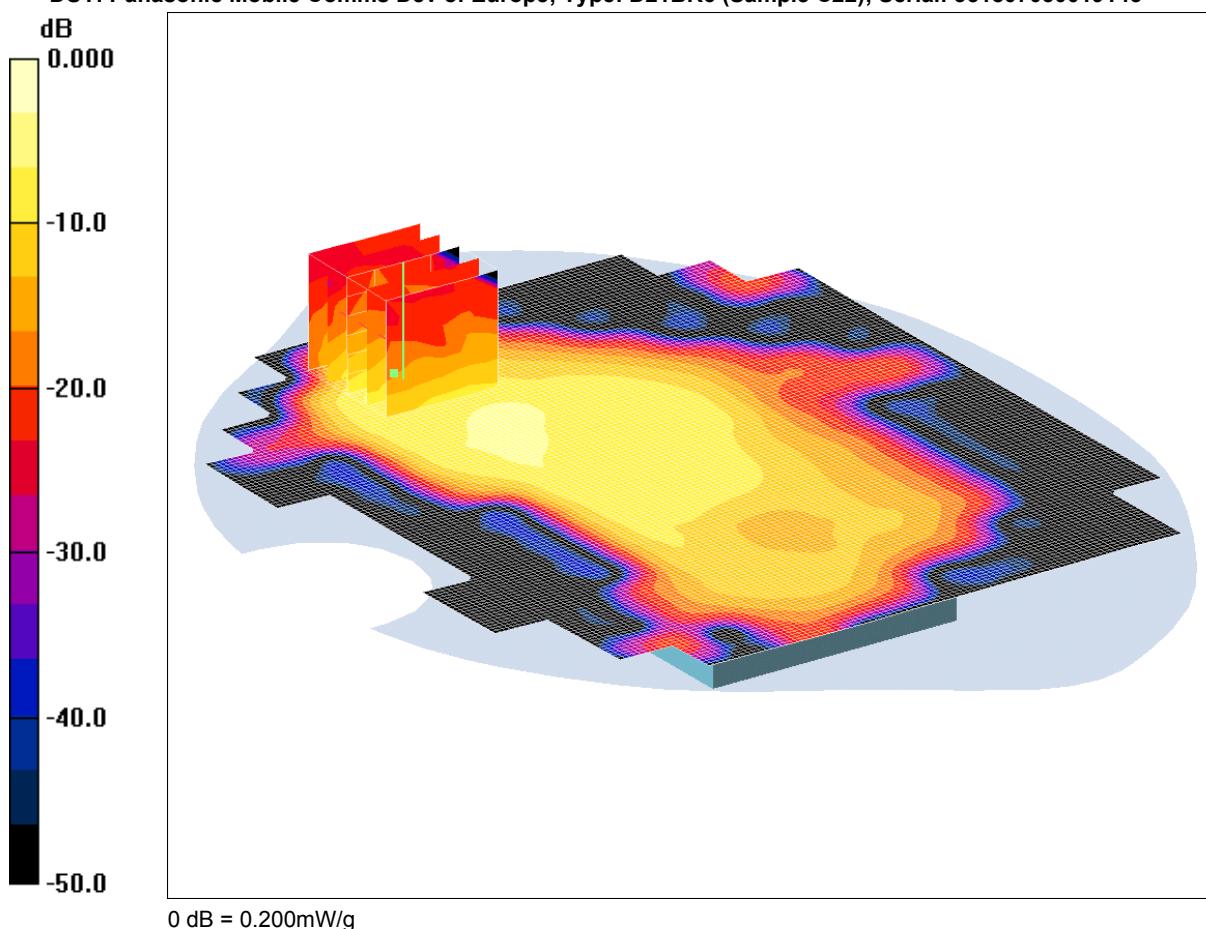
**SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.028 mW/g**

Maximum value of SAR (measured) = 0.060 mW/g

SCN/87473JD03/047: Back of EUT Facing Phantom with PHF WLAN 802.11b CH6

Date: 11/06/2012

DUT: Panasonic Mobile Comms Dev of Europe; Type: D21BR6 (Sample C22); Serial: 351807050019143



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;  $\epsilon_r = 50.6$ ;  $\rho = 1000$  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: 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

**Back of EUT Facing Phantom with PHF - Middle 2 2/Area Scan (121x141x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.080 mW/g

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

Reference Value = 4.44 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 0.131 W/kg

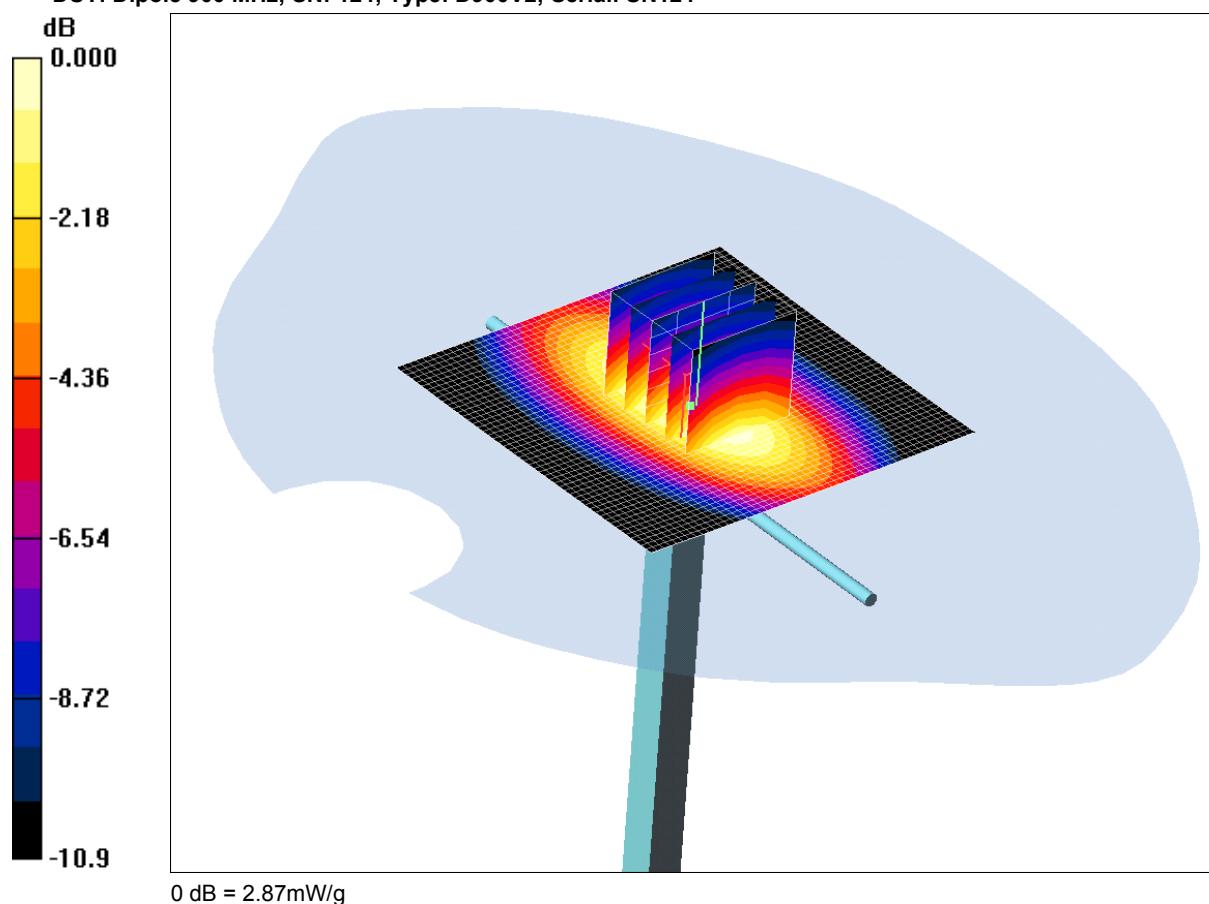
**SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.023 mW/g**

Maximum value of SAR (measured) = 0.054 mW/g

SCN/87473JD03/048: System Performance Check 900MHz Head 07 06 12

Date: 07/06/2012

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:  $f = 900 \text{ MHz}$ ;  $\sigma = 0.947 \text{ mho/m}$ ;  $\epsilon_r = 43$ ;  $\rho = 1000 \text{ kg/m}^3$

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 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) = 2.94 mW/g

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

Reference Value = 55.2 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 4.02 W/kg

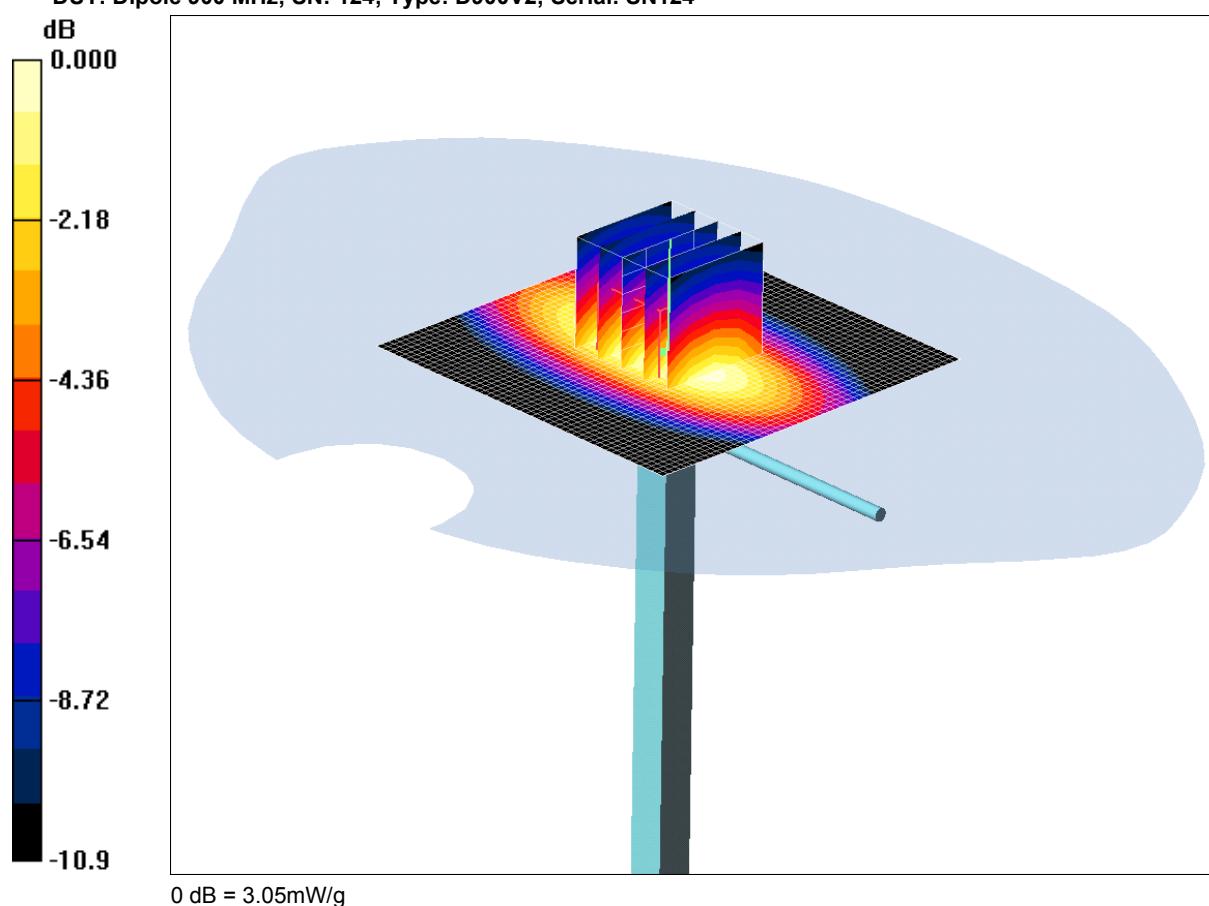
**SAR(1 g) = 2.67 mW/g; SAR(10 g) = 1.73 mW/g**

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

SCN/87473JD03/049: System Performance Check 900MHz Body 07 06 12

Date: 07/06/2012

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:  $f = 900$  MHz;  $\sigma = 1.01$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  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: 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) = 3.19 mW/g

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

Reference Value = 55.2 V/m; Power Drift = -0.034 dB

Peak SAR (extrapolated) = 4.29 W/kg

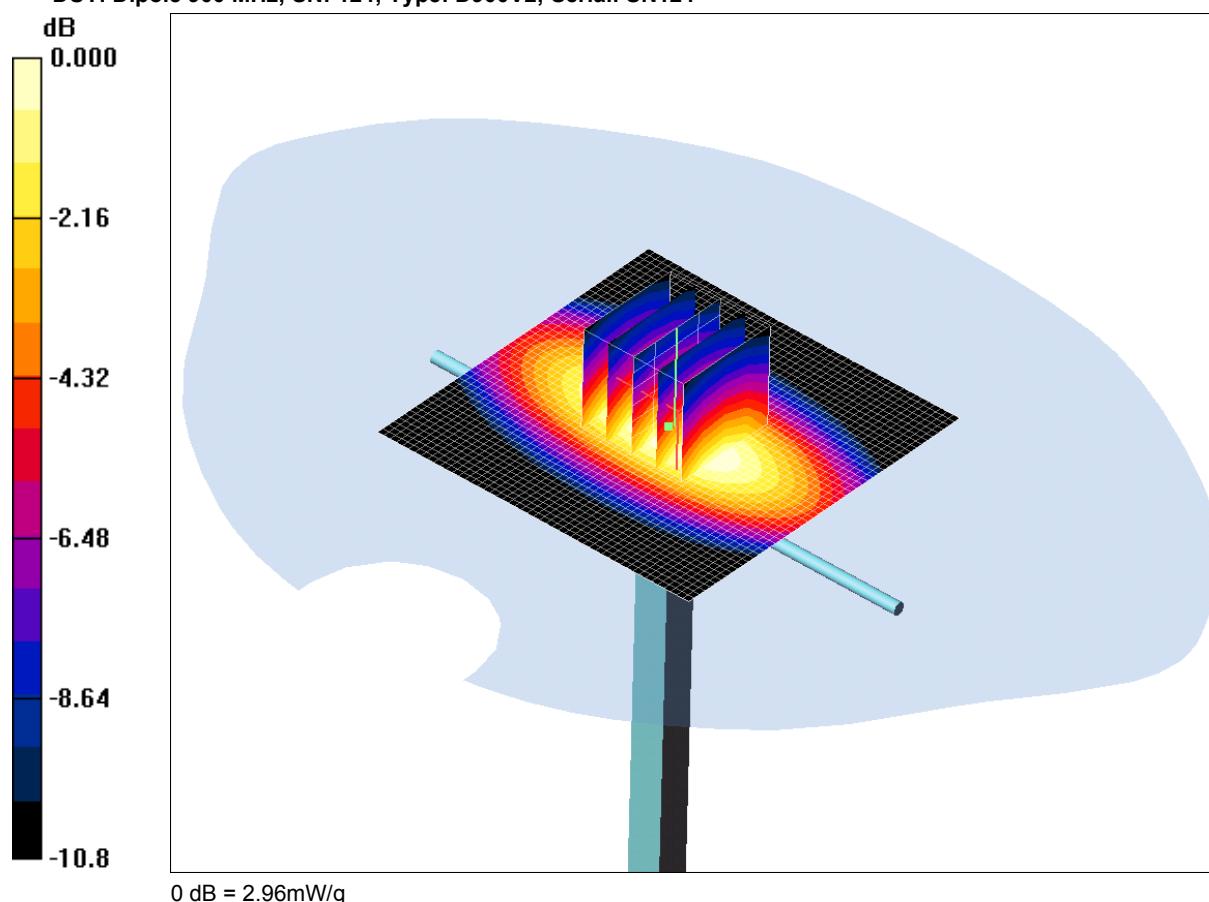
**SAR(1 g) = 2.84 mW/g; SAR(10 g) = 1.84 mW/g**

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

SCN/87473JD03/050: System Performance Check 900MHz Body 08 06 12

Date: 08/06/2012

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:  $f = 900 \text{ MHz}$ ;  $\sigma = 1.02 \text{ mho/m}$ ;  $\epsilon_r = 53.9$ ;  $\rho = 1000 \text{ kg/m}^3$

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) = 3.07 mW/g

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

Reference Value = 53.9 V/m; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 4.16 W/kg

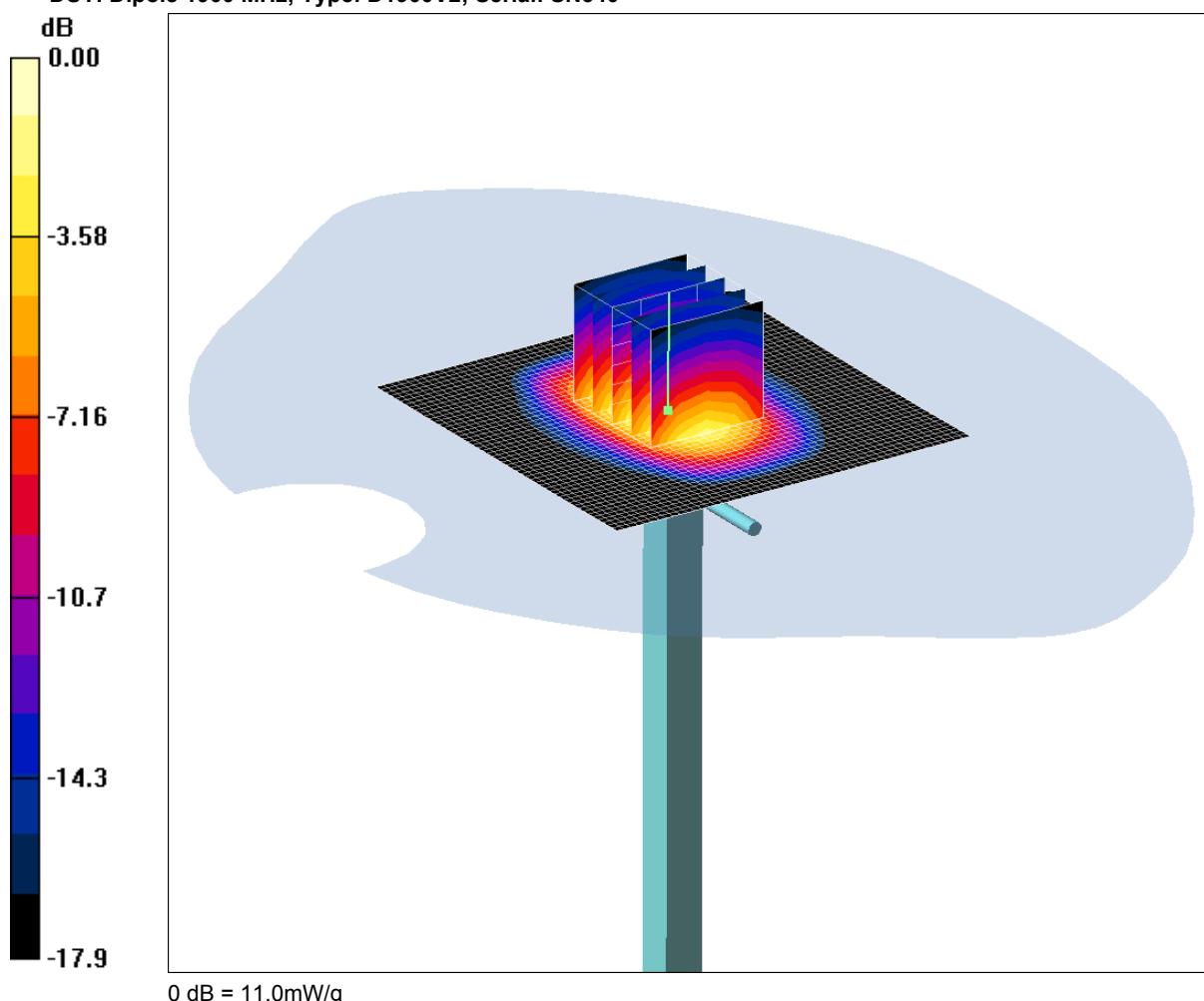
**SAR(1 g) = 2.76 mW/g; SAR(10 g) = 1.78 mW/g**

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

SCN/87473JD03/051: System Performance Check 1900MHz Head 03 06 12

Date 03/06/2012

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



0 dB = 11.0mW/g

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

Medium: 1900 MHz HSL Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.43 \text{ mho/m}$ ;  $\epsilon_r = 38.9$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(5.18, 5.18, 5.18); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12a (Site 57); Type: SAM 4.0; Serial: TP:1020
- 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) = 14.9 mW/g

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

Reference Value = 88.7 V/m; Power Drift = 0.224 dB

Peak SAR (extrapolated) = 18.2 W/kg

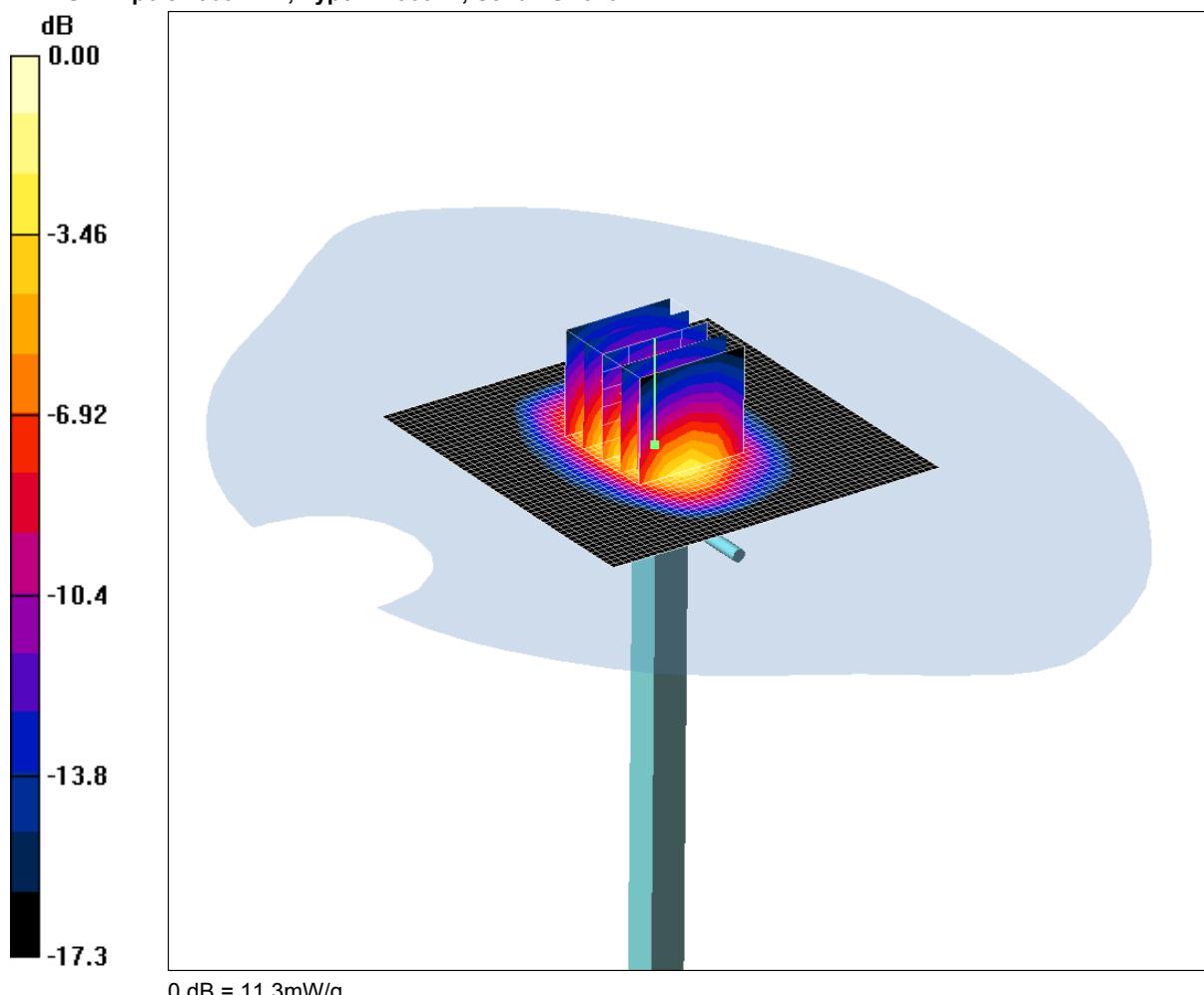
**SAR(1 g) = 9.91 mW/g; SAR(10 g) = 5.17 mW/g**

Maximum value of SAR (measured) = 11.0 mW/g

SCN/87473JD03/052: System Performance Check 1900MHz Body 03 06 12

Date 03/06/2012

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



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

Medium: 1900 MHz MSL Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.56 \text{ mho/m}$ ;  $\epsilon_r = 52$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(4.69, 4.69, 4.69); Calibrated: 11/05/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn432; Calibrated: 02/05/2012
- Phantom: SAM 12b (Site 57); Type: SAM 4.0; Serial: TP:1031
- 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) = 14.2 mW/g

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

Reference Value = 89.7 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 16.5 W/kg

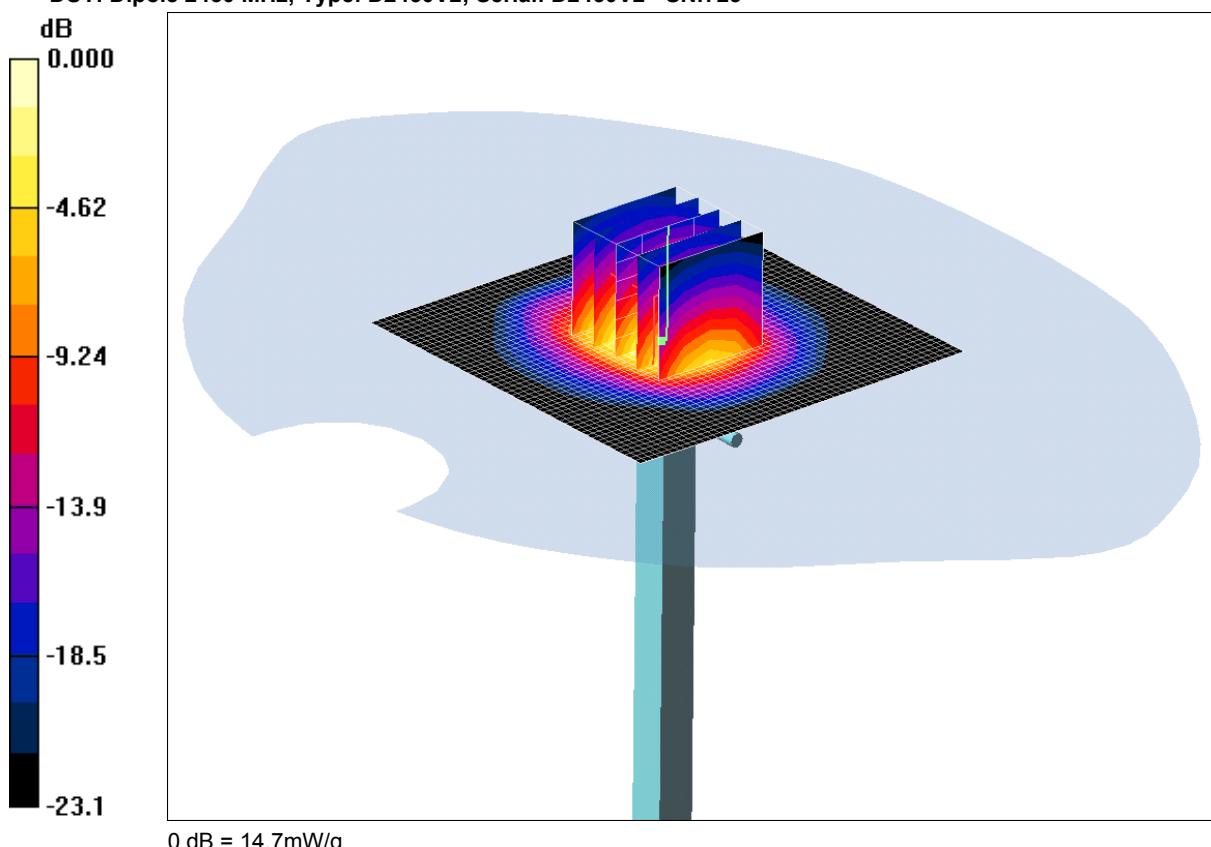
**SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.41 mW/g**

Maximum value of SAR (measured) = 11.3 mW/g

SCN/87473JD03/053: System Performance Check 2450MHz Head 09 06 12

Date: 09/06/2012

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



0 dB = 14.7mW/g

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

Medium: 2450 MHz HSL Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.83 \text{ mho/m}$ ;  $\epsilon_r = 38.3$ ;  $\rho = 1000 \text{ kg/m}^3$

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

Maximum value of SAR (interpolated) = 21.0 mW/g

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

Reference Value = 89.4 V/m; Power Drift = 0.004 dB

Peak SAR (extrapolated) = 28.0 W/kg

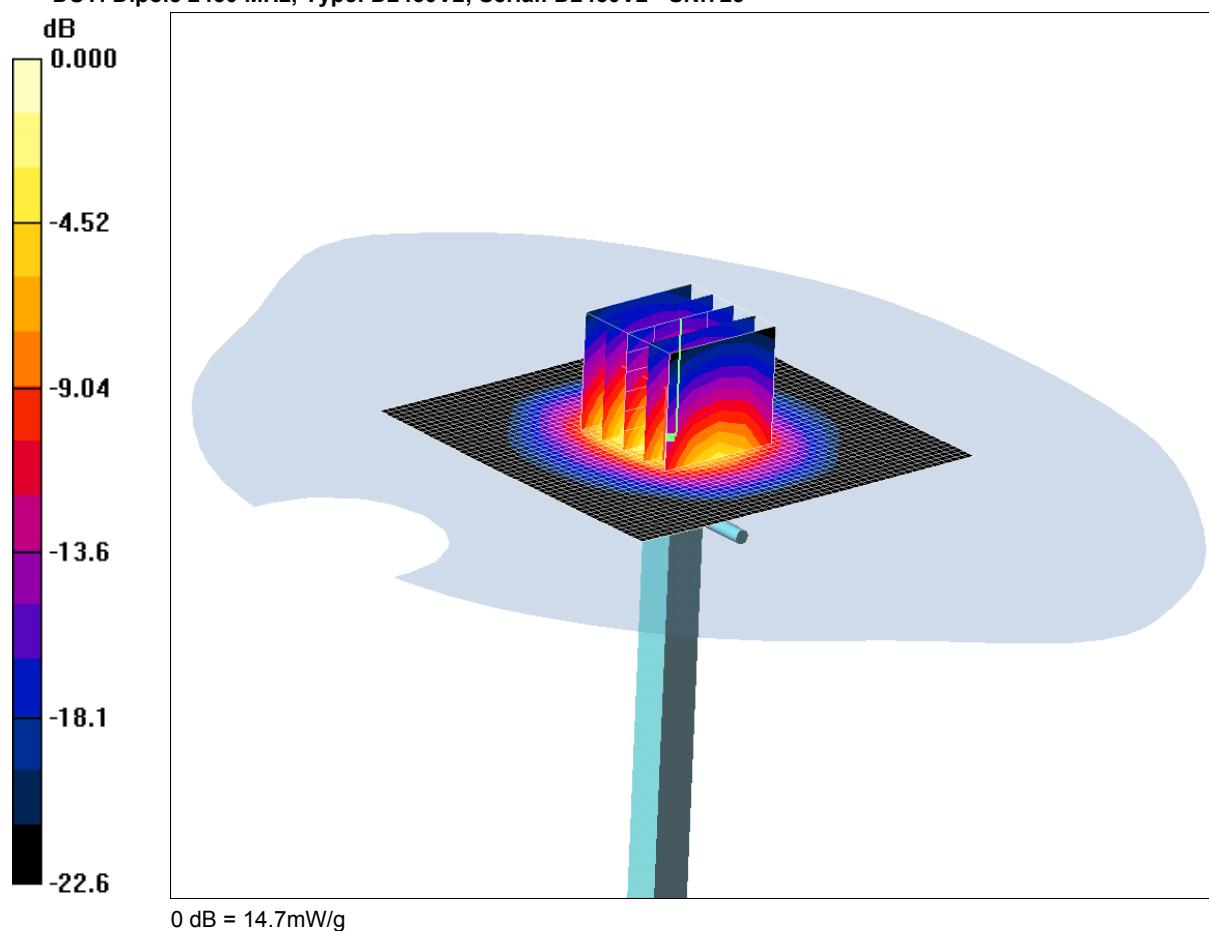
**SAR(1 g) = 13.1 mW/g; SAR(10 g) = 6.02 mW/g**

Maximum value of SAR (measured) = 14.7 mW/g

SCN/87473JD03/054: System Performance Check 2450MHz Body 11 06 12

Date: 11/06/2012

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



0 dB = 14.7mW/g

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

Medium: 2450 MHz MSL Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 2.01 \text{ mho/m}$ ;  $\epsilon_r = 50.6$ ;  $\rho = 1000 \text{ kg/m}^3$

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

Maximum value of SAR (interpolated) = 19.8 mW/g

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

Reference Value = 85.4 V/m; Power Drift = 0.008 dB

Peak SAR (extrapolated) = 27.2 W/kg

**SAR(1 g) = 13.1 mW/g; SAR(10 g) = 6.02 mW/g**

Maximum value of SAR (measured) = 14.7 mW/g