

### #12 WLAN2.4G\_802.11b\_Bottom\_0cm\_Ch6\_Ant 1

**DUT: 220337-03**

Communication System: 802.11b ; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium: MSL\_2450\_120628 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.94$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.5, 7.5, 7.5); Calibrated: 2012/1/27
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch6/Area Scan (131x181x1):** Measurement grid: dx=20mm, dy=20mm

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

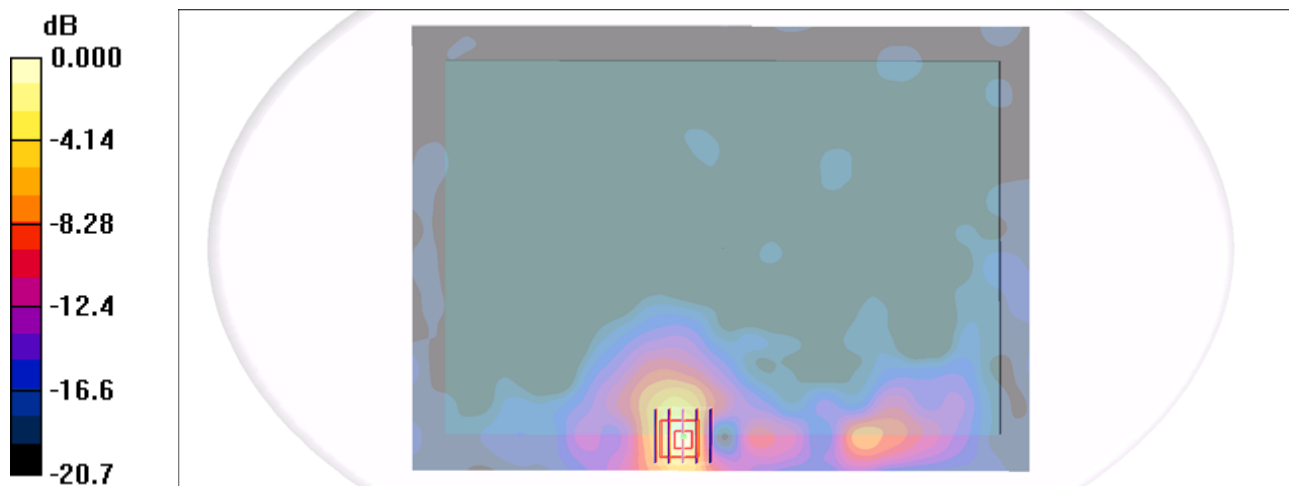
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.402 V/m; Power Drift = 0.128 dB

Peak SAR (extrapolated) = 0.481 W/kg

**SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.106 mW/g**

Maximum value of SAR (measured) = 0.249 mW/g



0 dB = 0.249mW/g

### #12 WLAN2.4G\_802.11b\_Bottom\_0cm\_Ch6\_Ant 1\_2D

**DUT: 220337-03**

Communication System: 802.11b ; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium: MSL\_2450\_120628 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.94$  mho/m;  $\epsilon_r = 53.9$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.5, 7.5, 7.5); Calibrated: 2012/1/27
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch6/Area Scan (131x181x1):** Measurement grid: dx=20mm, dy=20mm

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

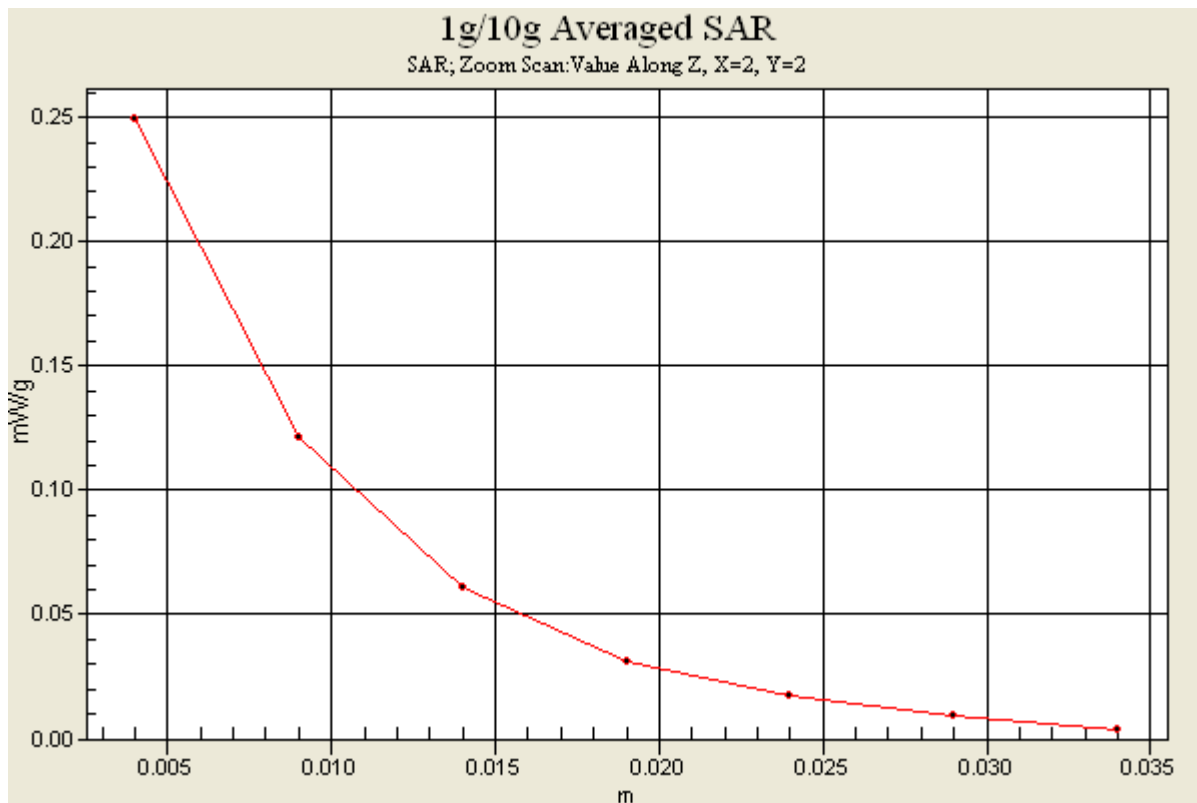
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.402 V/m; Power Drift = 0.128 dB

Peak SAR (extrapolated) = 0.481 W/kg

**SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.106 mW/g**

Maximum value of SAR (measured) = 0.249 mW/g



## #07 WLAN2.4G\_802.11b\_Bottom\_0cm\_Ch6\_Ant A+B

**DUT: 220337-03**

Communication System: 802.11b ; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium: MSL\_2450\_120626 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.91$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.5, 7.5, 7.5); Calibrated: 2012/1/27
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

**Ch6/Area Scan (131x181x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.313 mW/g

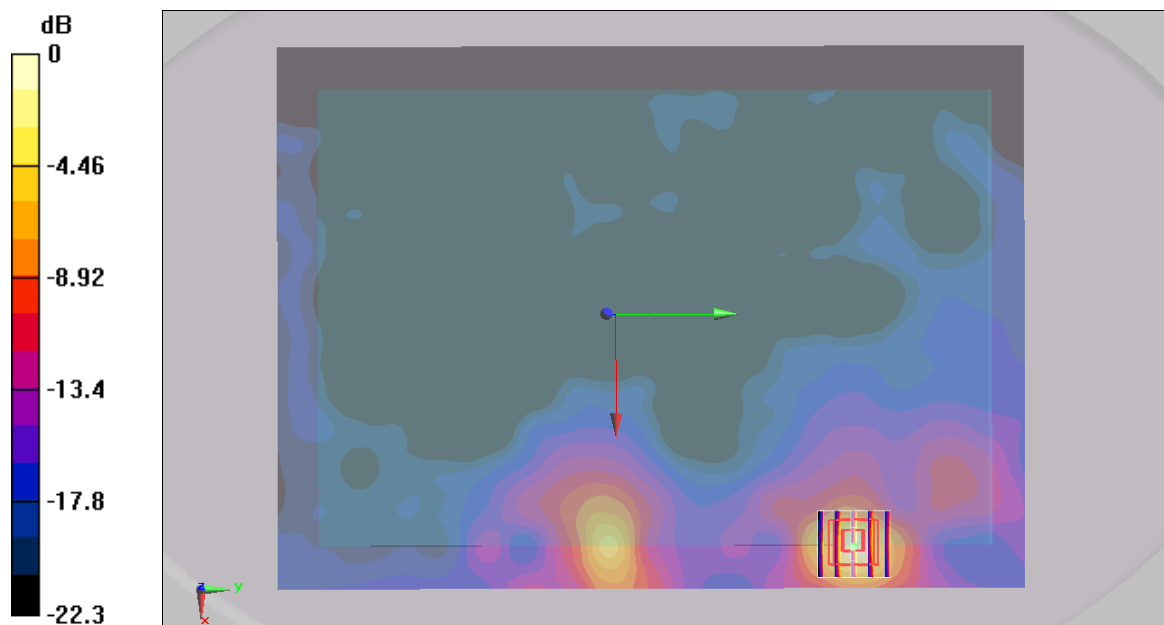
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.569 V/m; Power Drift = 0.135 dB

Peak SAR (extrapolated) = 0.712 W/kg

**SAR(1 g) = 0.321 mW/g; SAR(10 g) = 0.135 mW/g**

Maximum value of SAR (measured) = 0.345 mW/g



0 dB = 0.345mW/g

**#07 WLAN2.4G\_802.11b\_Bottom\_0cm\_Ch6\_Ant A+B\_2D**

**DUT: 220337-03**

Communication System: 802.11b ; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium: MSL\_2450\_120626 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.91$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.5, 7.5, 7.5); Calibrated: 2012/1/27
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

**Ch6/Area Scan (131x181x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.313 mW/g

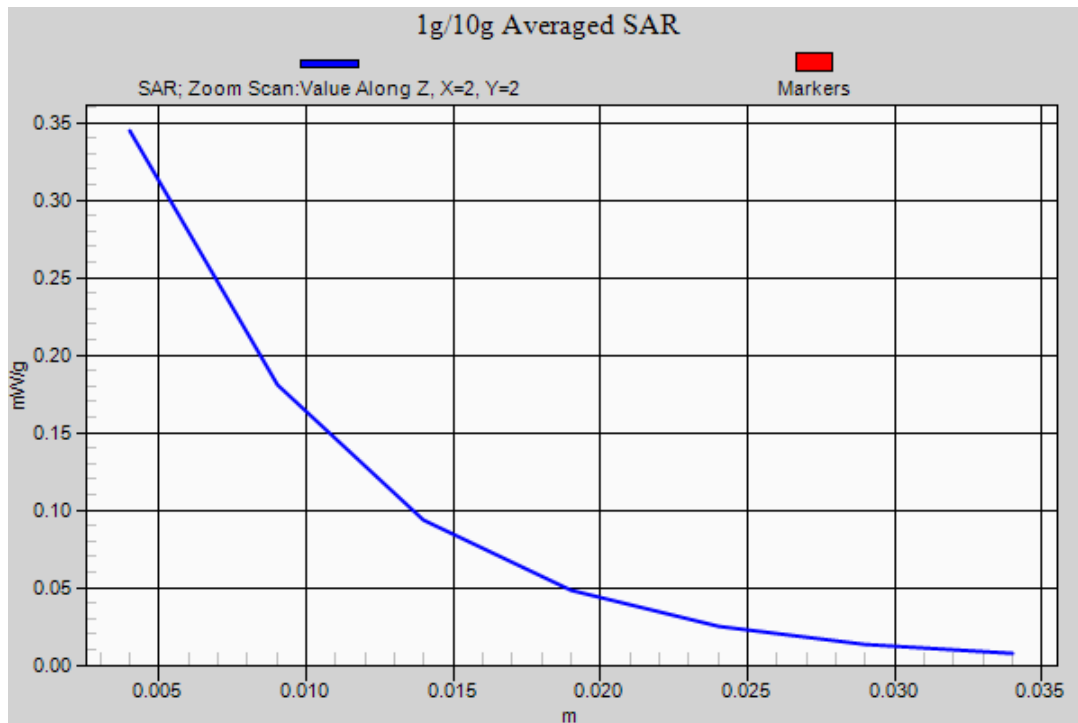
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.569 V/m; Power Drift = 0.135 dB

Peak SAR (extrapolated) = 0.712 W/kg

**SAR(1 g) = 0.321 mW/g; SAR(10 g) = 0.135 mW/g**

Maximum value of SAR (measured) = 0.345 mW/g



### #08 WLAN5G\_802.11a\_Bottom\_0cm\_Ch40\_Ant 1

**DUT: 220337-03**

Communication System: 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_120627 Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.29$  mho/m;  $\epsilon_r = 48.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(4.62, 4.62, 4.62); Calibrated: 2012/1/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch40/Area Scan (261x361x1):** Measurement grid: dx=10mm, dy=10mm

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

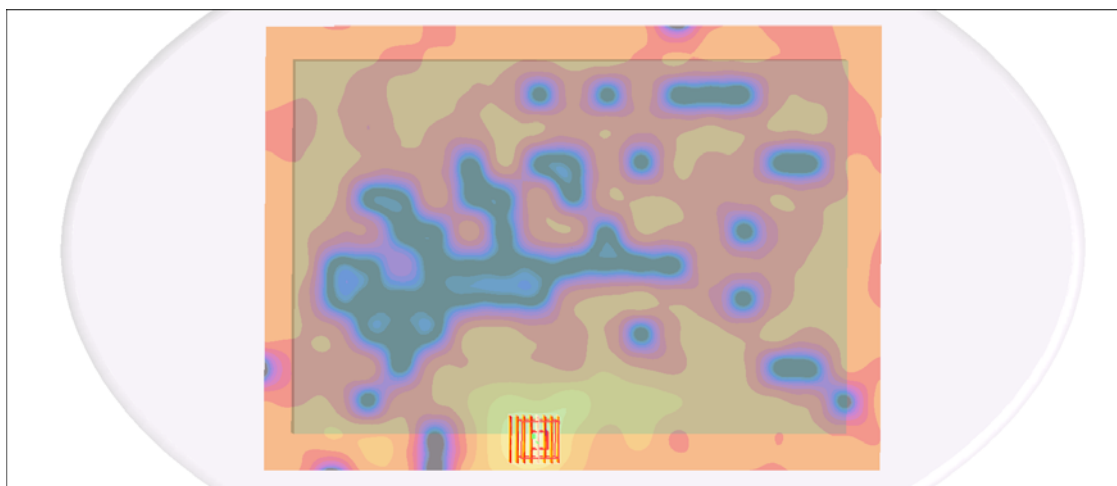
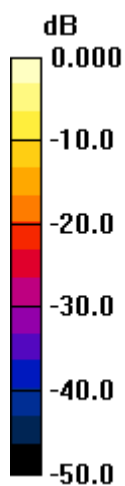
**Ch40/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.999 V/m; Power Drift = 0.061 dB

Peak SAR (extrapolated) = 1.57 W/kg

**SAR(1 g) = 0.455 mW/g; SAR(10 g) = 0.148 mW/g**

Maximum value of SAR (measured) = 0.889 mW/g



0 dB = 0.889mW/g

### #08 WLAN5G\_802.11a\_Bottom\_0cm\_Ch40\_Ant 1\_2D

**DUT: 220337-03**

Communication System: 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_120627 Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.29$  mho/m;  $\epsilon_r = 48.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(4.62, 4.62, 4.62); Calibrated: 2012/1/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch40/Area Scan (261x361x1):** Measurement grid: dx=10mm, dy=10mm

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

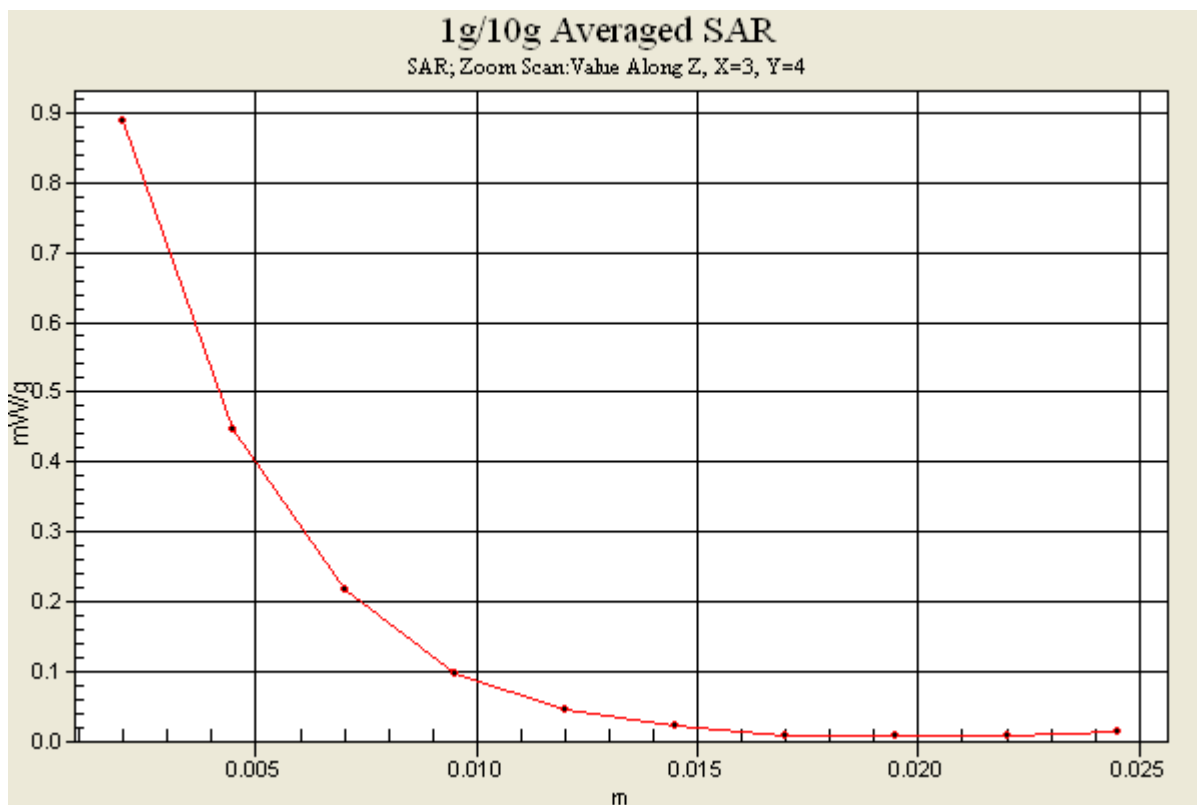
**Ch40/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.999 V/m; Power Drift = 0.061 dB

Peak SAR (extrapolated) = 1.57 W/kg

**SAR(1 g) = 0.455 mW/g; SAR(10 g) = 0.148 mW/g**

Maximum value of SAR (measured) = 0.889 mW/g



### #09 WLAN5G\_802.11a\_Bottom\_0cm\_Ch60\_Ant 1

**DUT: 220337-03**

Communication System: 802.11a; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_120627 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.43$  mho/m;  $\epsilon_r = 48.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(4.24, 4.24, 4.24); Calibrated: 2012/1/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch60/Area Scan (101x361x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.526 mW/g

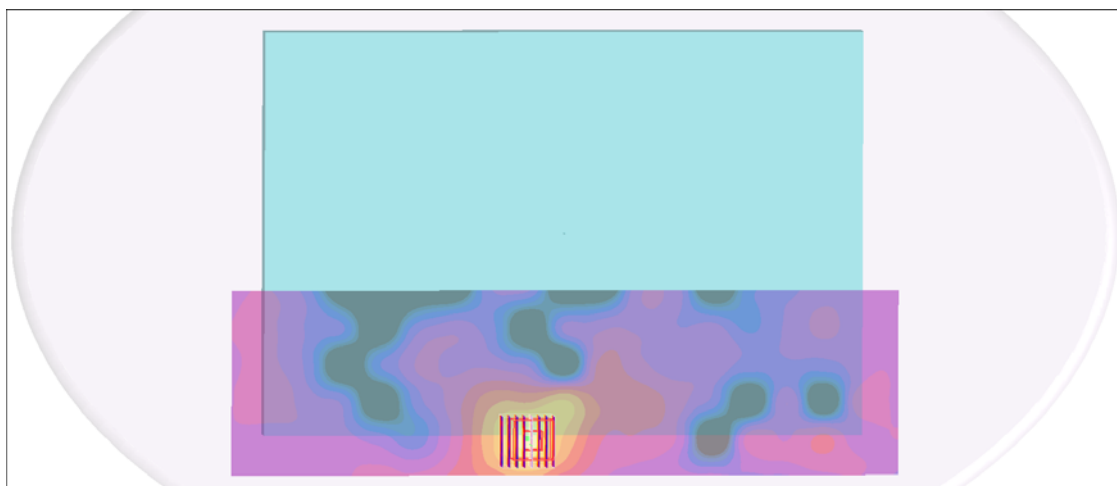
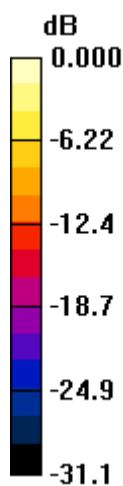
**Ch60/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.37 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 1.70 W/kg

**SAR(1 g) = 0.485 mW/g; SAR(10 g) = 0.155 mW/g**

Maximum value of SAR (measured) = 0.936 mW/g



0 dB = 0.936mW/g



### #09 WLAN5G\_802.11a\_Bottom\_0cm\_Ch60\_Ant 1\_2D

**DUT: 220337-03**

Communication System: 802.11a; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_120627 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.43$  mho/m;  $\epsilon_r = 48.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(4.24, 4.24, 4.24); Calibrated: 2012/1/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch60/Area Scan (101x361x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.526 mW/g

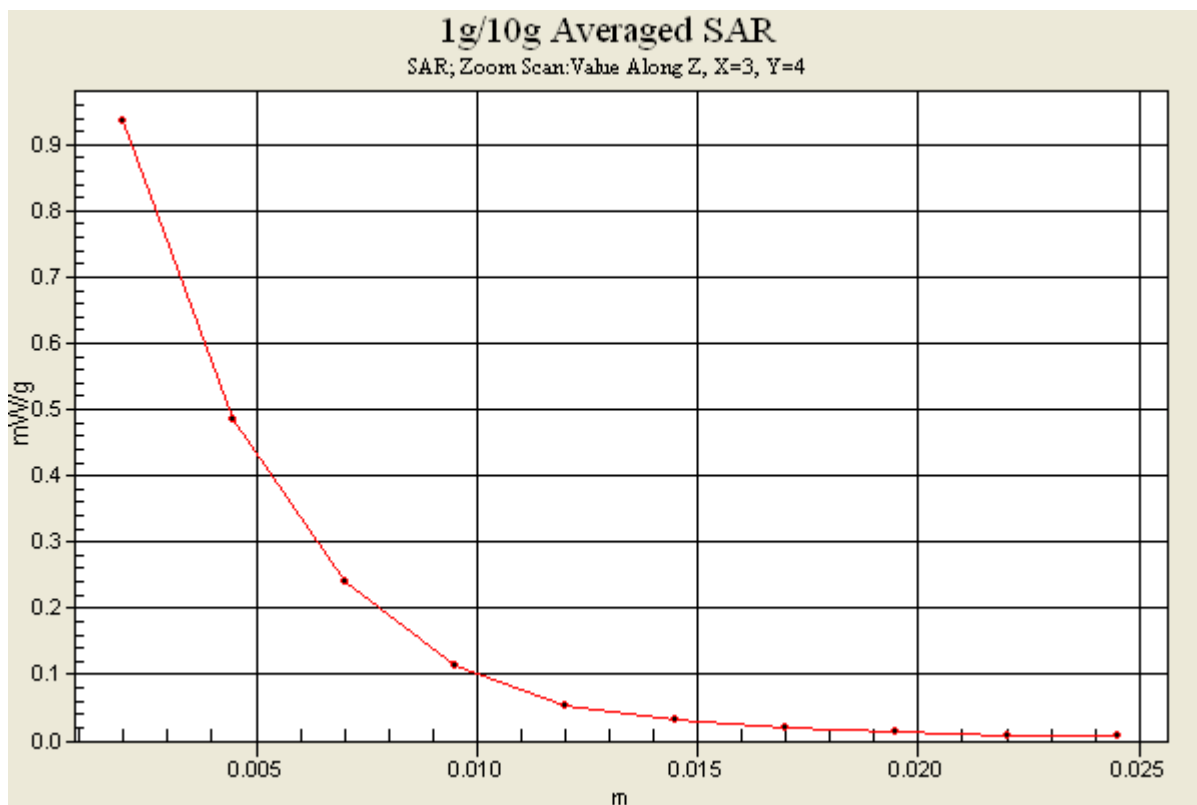
**Ch60/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.37 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 1.70 W/kg

**SAR(1 g) = 0.485 mW/g; SAR(10 g) = 0.155 mW/g**

Maximum value of SAR (measured) = 0.936 mW/g



### #10 WLAN5G\_802.11a\_Bottom\_0cm\_Ch116\_Ant 1

**DUT: 220337-03**

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_120627 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.83$  mho/m;  $\epsilon_r = 47.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(3.73, 3.73, 3.73); Calibrated: 2012/1/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch116/Area Scan (101x361x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.557 mW/g

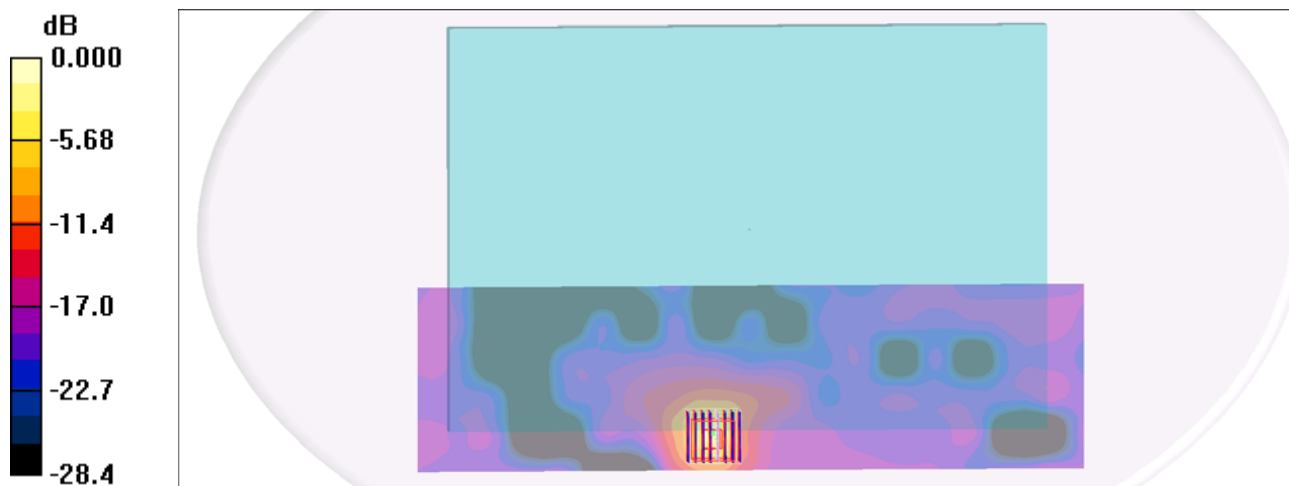
**Ch116/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.629 V/m; Power Drift = 0.095 dB

Peak SAR (extrapolated) = 1.88 W/kg

**SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.151 mW/g**

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



0 dB = 1.03mW/g

### #10 WLAN5G\_802.11a\_Bottom\_0cm\_Ch116\_Ant 1\_2D

**DUT: 220337-03**

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_120627 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.83$  mho/m;  $\epsilon_r = 47.9$ ;  $\rho$

$= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(3.73, 3.73, 3.73); Calibrated: 2012/1/27

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn495; Calibrated: 2012/4/23

- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch116/Area Scan (101x361x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.557 mW/g

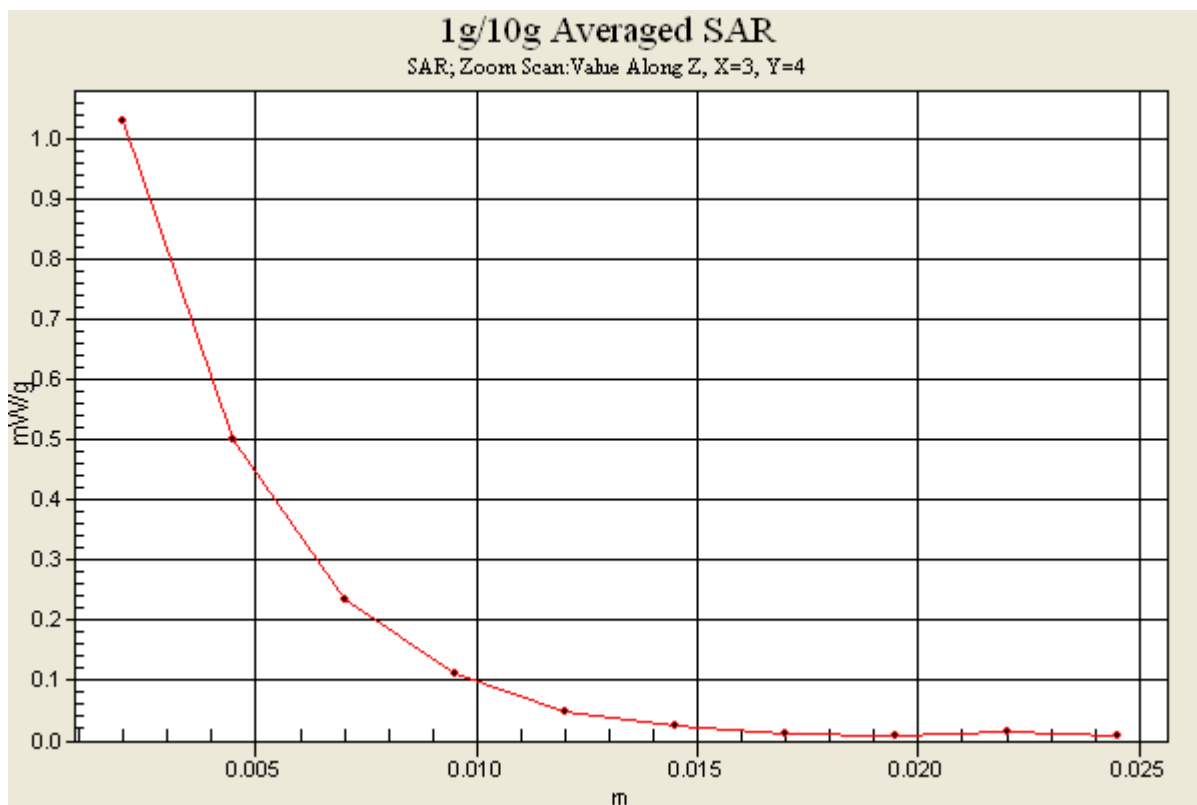
**Ch116/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.629 V/m; Power Drift = 0.095 dB

Peak SAR (extrapolated) = 1.88 W/kg

**SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.151 mW/g**

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



### #11 WLAN5G\_802.11a\_Bottom\_0cm\_Ch149\_Ant 1

**DUT: 220337-03**

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_120627 Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 6.06 \text{ mho/m}$ ;  $\epsilon_r = 47.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(4.02, 4.02, 4.02); Calibrated: 2012/1/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch149/Area Scan (101x361x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.507 mW/g

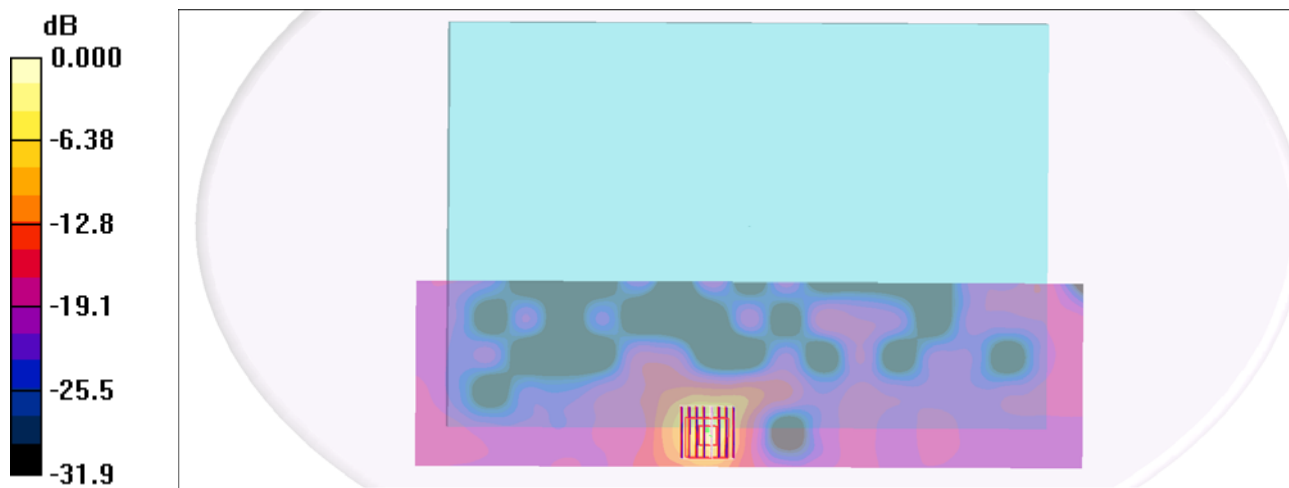
**Ch149/Zoom Scan (8x8x10)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2.5\text{mm}$

Reference Value = 1.15 V/m; Power Drift = 0.069 dB

Peak SAR (extrapolated) = 1.81 W/kg

**SAR(1 g) = 0.465 mW/g; SAR(10 g) = 0.136 mW/g**

Maximum value of SAR (measured) = 0.978 mW/g



0 dB = 0.978mW/g

### #11 WLAN5G\_802.11a\_Bottom\_0cm\_Ch149\_Ant 1\_2D

**DUT: 220337-03**

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_120627 Medium parameters used:  $f = 5745$  MHz;  $\sigma = 6.06$  mho/m;  $\epsilon_r = 47.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(4.02, 4.02, 4.02); Calibrated: 2012/1/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch149/Area Scan (101x361x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.507 mW/g

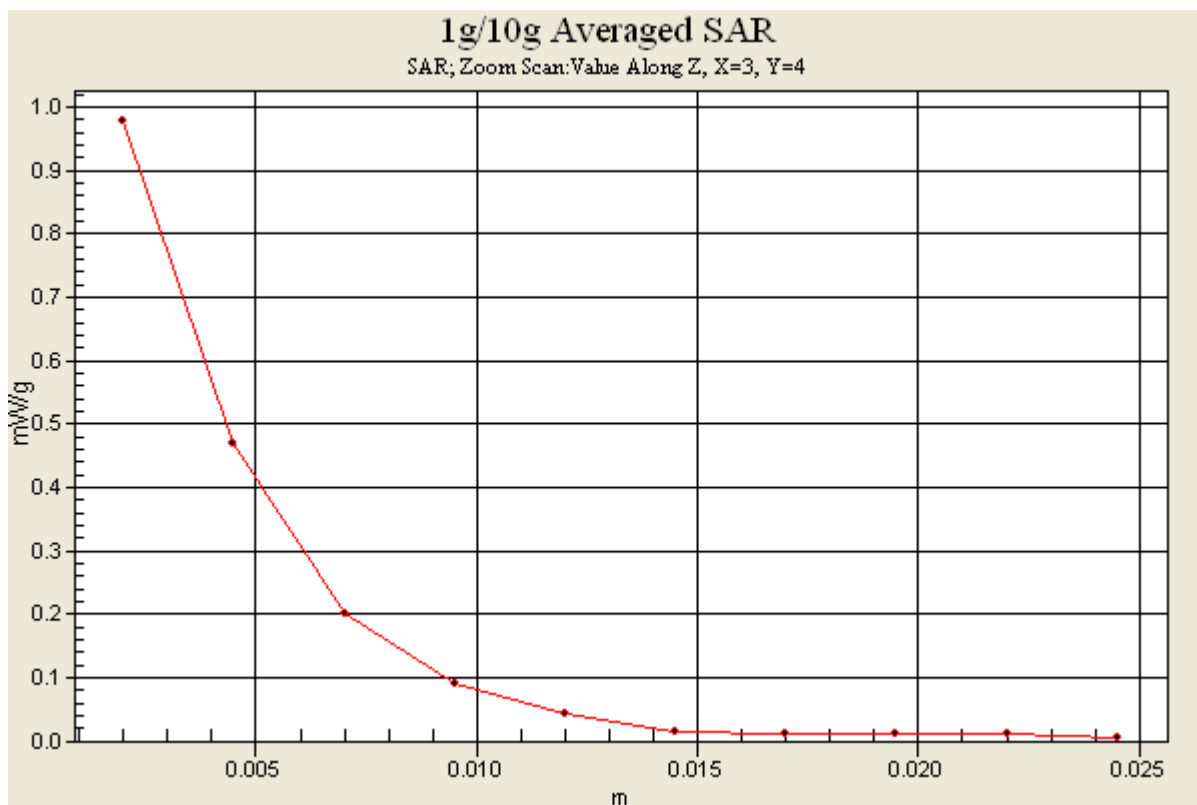
**Ch149/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.15 V/m; Power Drift = 0.069 dB

Peak SAR (extrapolated) = 1.81 W/kg

**SAR(1 g) = 0.465 mW/g; SAR(10 g) = 0.136 mW/g**

Maximum value of SAR (measured) = 0.978 mW/g



## #01 WLAN5G\_802.11a\_Bottom\_0cm\_Ch44\_Ant A+B

**DUT: 220337-03**

Communication System: 802.11a; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_120625 Medium parameters used:  $f = 5220$  MHz;  $\sigma = 5.34$  mho/m;  $\epsilon_r = 47.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(4.62, 4.62, 4.62); Calibrated: 2012/1/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0 Front; Type: QD 0VA 002 AA; Serial: TP-1131
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

**Ch44/Area Scan (261x361x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.211 mW/g

**Ch44/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.802 V/m; Power Drift = 0.120 dB

Peak SAR (extrapolated) = 0.760 W/kg

**SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.068 mW/g**

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

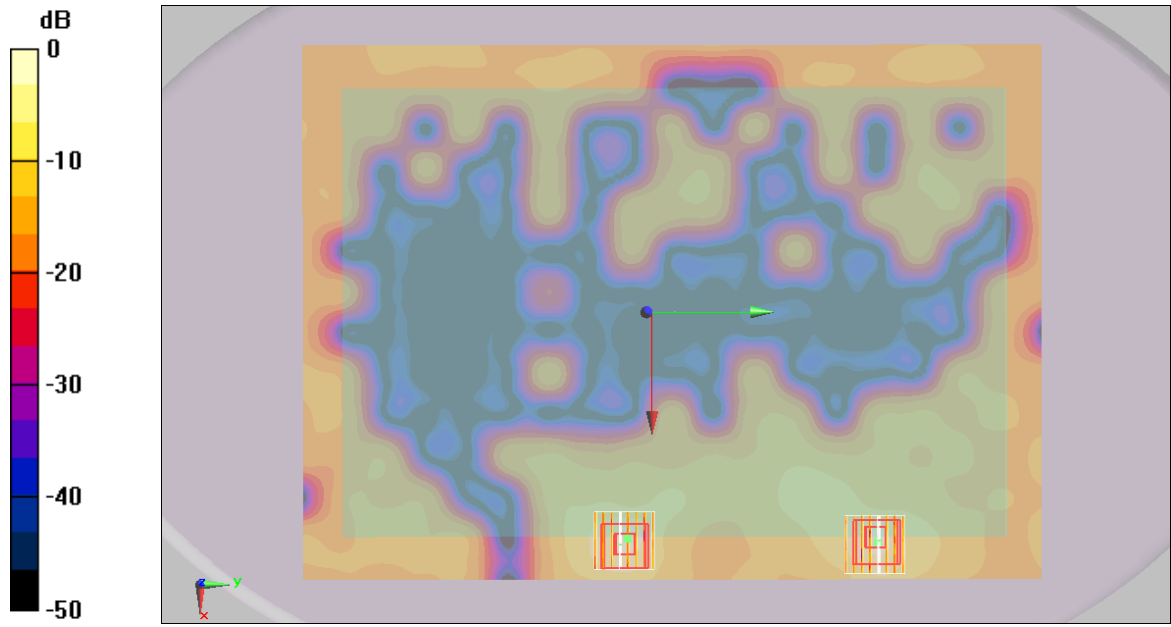
**Ch44/Zoom Scan (8x8x10)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.802 V/m; Power Drift = 0.120 dB

Peak SAR (extrapolated) = 0.548 W/kg

**SAR(1 g) = 0.170 mW/g; SAR(10 g) = 0.060 mW/g**

Maximum value of SAR (measured) = 0.307 mW/g



0 dB = 0.307mW/g

## #02 WLAN5G\_802.11n(20M)\_Bottom\_0cm\_Ch44\_Ant A+B

**DUT: 220337-03**

Communication System: 802.11n; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_120625 Medium parameters used:  $f = 5220$  MHz;  $\sigma = 5.34$  mho/m;  $\epsilon_r = 47.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(4.62, 4.62, 4.62); Calibrated: 2012/1/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0 Front; Type: QD 0VA 002 AA; Serial: TP-1131
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

**Ch44/Area Scan (101x361x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.240 mW/g

**Ch44/Zoom Scan (8x8x10)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1 V/m; Power Drift = 0.125 dB

Peak SAR (extrapolated) = 0.871 W/kg

**SAR(1 g) = 0.250 mW/g; SAR(10 g) = 0.084 mW/g**

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

**Ch44/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

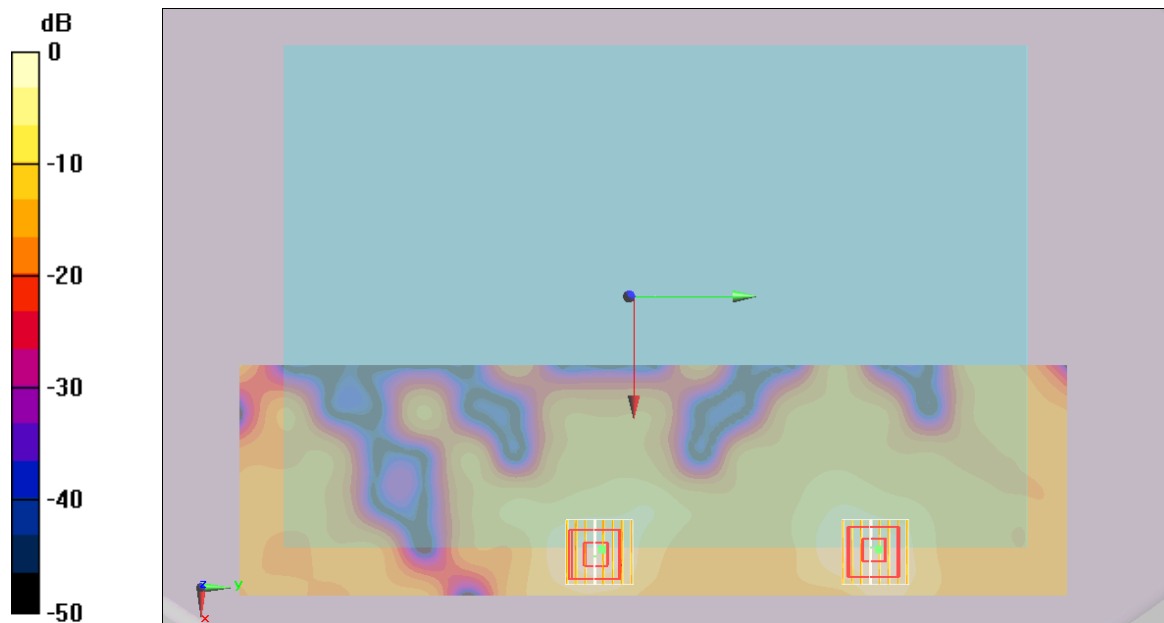
Reference Value = 1 V/m; Power Drift = 0.125 dB

Peak SAR (extrapolated) = 0.804 W/kg

**SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.087 mW/g**

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





0 dB = 0.240mW/g

### #03 WLAN5G\_802.11n(40M)\_Bottom\_0cm\_Ch46\_Ant A+B

**DUT: 220337-03**

Communication System: 802.11n; Frequency: 5230 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_120625 Medium parameters used:  $f = 5230$  MHz;  $\sigma = 5.35$  mho/m;  $\epsilon_r = 47.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(4.62, 4.62, 4.62); Calibrated: 2012/1/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0 Front; Type: QD 0VA 002 AA; Serial: TP-1131
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

**Ch46/Area Scan (101x361x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.345 mW/g

**Ch46/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.898 V/m; Power Drift = 0.123 dB

Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.318 mW/g; SAR(10 g) = 0.114 mW/g**

Maximum value of SAR (measured) = 0.592 mW/g

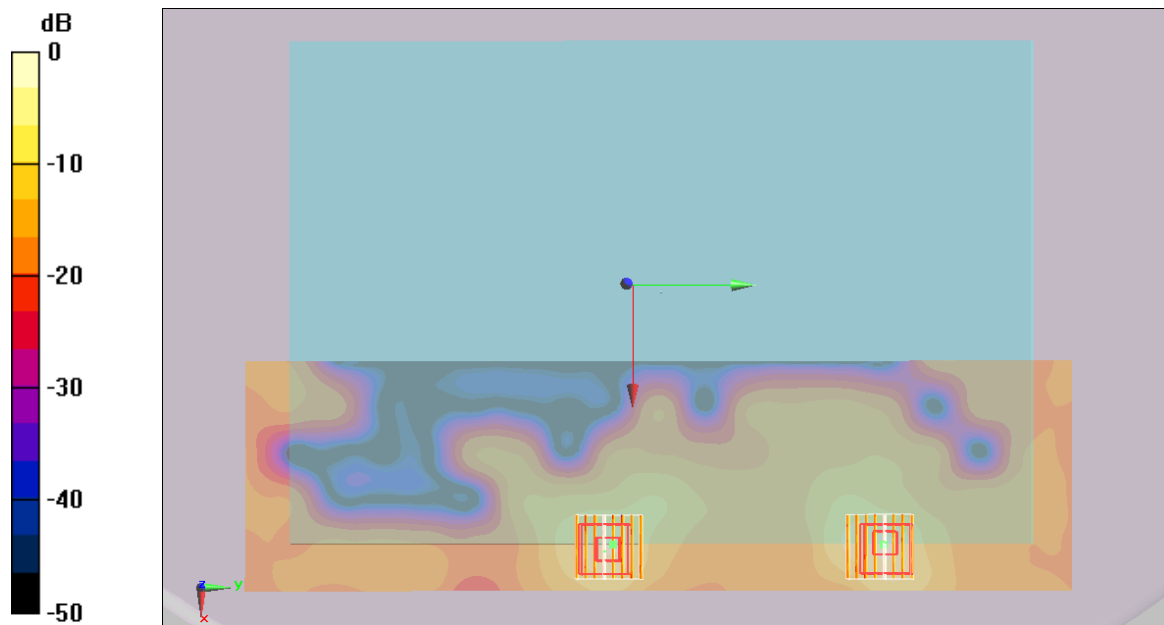
**Ch46/Zoom Scan (8x8x10)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.898 V/m; Power Drift = 0.123 dB

Peak SAR (extrapolated) = 1.08 W/kg

**SAR(1 g) = 0.307 mW/g; SAR(10 g) = 0.101 mW/g**

Maximum value of SAR (measured) = 0.615 mW/g



0 dB = 0.615mW/g

**#03 WLAN5G\_802.11n(40M)\_Bottom\_0cm\_Ch46\_Ant A+B\_2D**

**DUT: 220337-03**

Communication System: 802.11n; Frequency: 5230 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_120625 Medium parameters used:  $f = 5230 \text{ MHz}$ ;  $\sigma = 5.35 \text{ mho/m}$ ;  $\epsilon_r = 47.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $22.5 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.5 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(4.62, 4.62, 4.62); Calibrated: 2012/1/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0 Front; Type: QD 0VA 002 AA; Serial: TP-1131
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

**Ch46/Area Scan (101x361x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (interpolated) =  $0.345 \text{ mW/g}$

**Ch46/Zoom Scan (8x8x10)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2.5\text{mm}$

Reference Value =  $0.898 \text{ V/m}$ ; Power Drift =  $0.123 \text{ dB}$

Peak SAR (extrapolated) =  $1.05 \text{ W/kg}$

**SAR(1 g) =  $0.318 \text{ mW/g}$ ; SAR(10 g) =  $0.114 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.592 \text{ mW/g}$

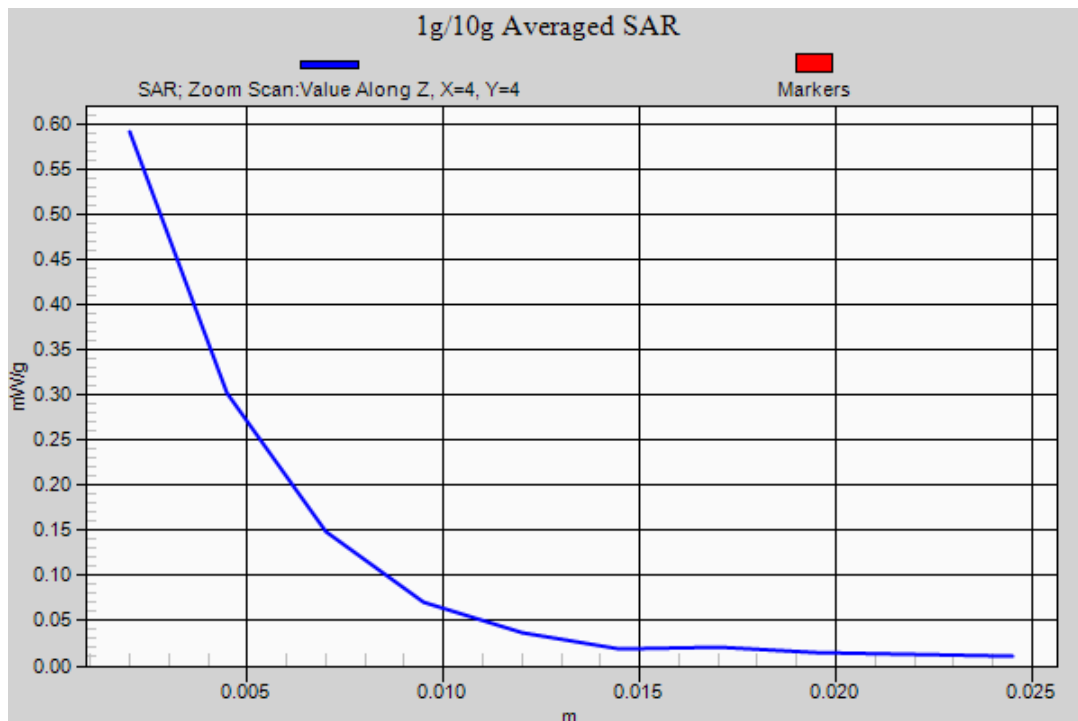
**Ch46/Zoom Scan (8x8x10)/Cube 1:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2.5\text{mm}$

Reference Value =  $0.898 \text{ V/m}$ ; Power Drift =  $0.123 \text{ dB}$

Peak SAR (extrapolated) =  $1.08 \text{ W/kg}$

**SAR(1 g) =  $0.307 \text{ mW/g}$ ; SAR(10 g) =  $0.101 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.615 \text{ mW/g}$



**#04 WLAN5G\_802.11a\_Bottom\_0cm\_Ch52\_Ant A+B****DUT: 220337-03**

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_120625 Medium parameters used :  $f = 5260$  MHz;  $\sigma = 5.4$  mho/m;  $\epsilon_r = 47.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(4.24, 4.24, 4.24); Calibrated: 2012/1/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0\_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

**Ch52/Area Scan (101x361x1):** Measurement grid: dx=10mm, dy=10mm

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

**Ch52/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.750 V/m; Power Drift = 0.109 dB

Peak SAR (extrapolated) = 1.38 W/kg

**SAR(1 g) = 0.443 mW/g; SAR(10 g) = 0.159 mW/g**

Maximum value of SAR (measured) = 0.815 mW/g

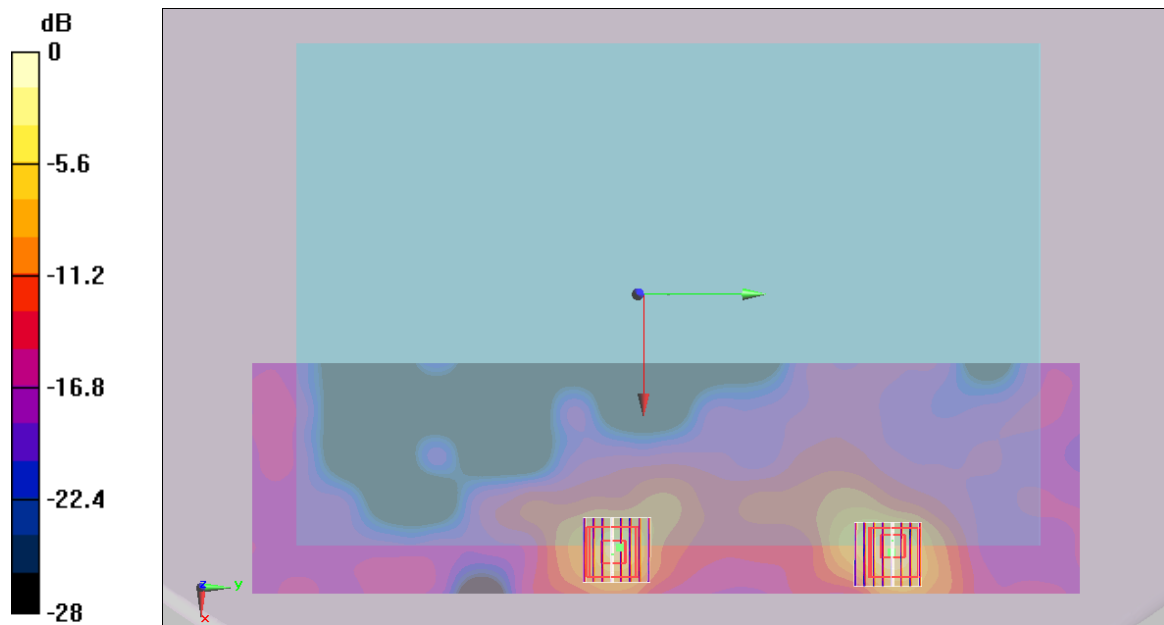
**Ch52/Zoom Scan (8x8x10)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.750 V/m; Power Drift = 0.109 dB

Peak SAR (extrapolated) = 1.2 W/kg

**SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.117 mW/g**

Maximum value of SAR (measured) = 0.712 mW/g



0 dB = 0.712mW/g

## #04 WLAN5G\_802.11a\_Bottom\_0cm\_Ch52\_Ant A+B\_2D

**DUT: 220337-03**

Communication System: 802.11a; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_120625 Medium parameters used :  $f = 5260$  MHz;  $\sigma = 5.4$  mho/m;  $\epsilon_r = 47.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(4.24, 4.24, 4.24); Calibrated: 2012/1/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0 Front; Type: QD 0VA 002 AA; Serial: TP-1131
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

**Ch52/Area Scan (101x361x1):** Measurement grid: dx=10mm, dy=10mm

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

**Ch52/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.750 V/m; Power Drift = 0.109 dB

Peak SAR (extrapolated) = 1.38 W/kg

**SAR(1 g) = 0.443 mW/g; SAR(10 g) = 0.159 mW/g**

Maximum value of SAR (measured) = 0.815 mW/g

**Ch52/Zoom Scan (8x8x10)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

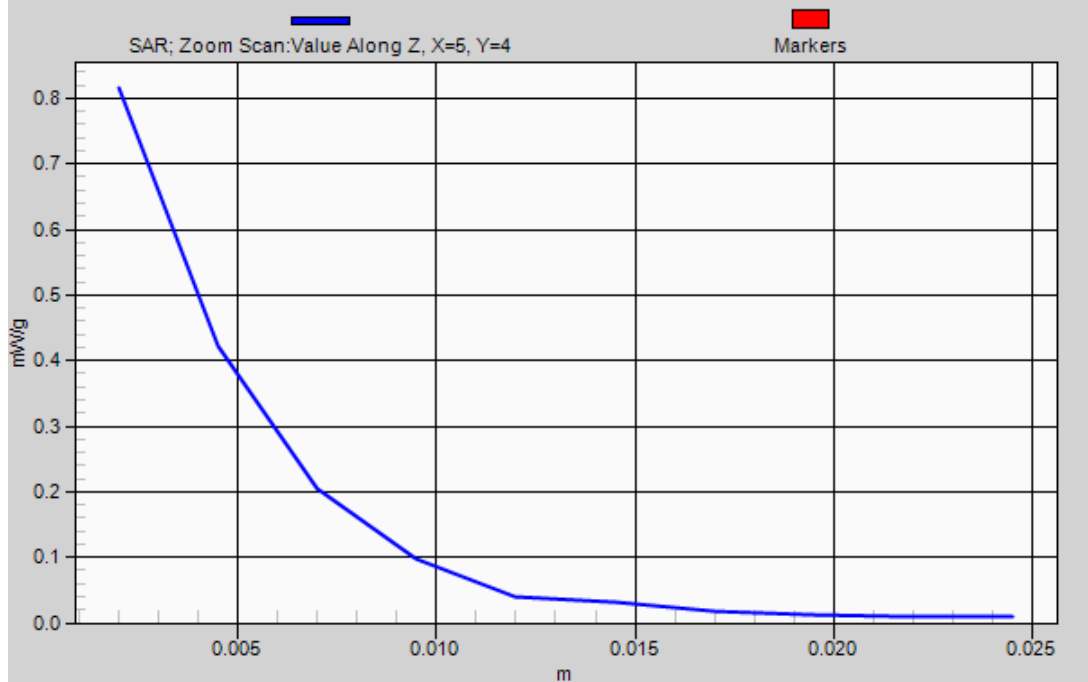
Reference Value = 0.750 V/m; Power Drift = 0.109 dB

Peak SAR (extrapolated) = 1.2 W/kg

**SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.117 mW/g**

Maximum value of SAR (measured) = 0.712 mW/g

# 1g/10g Averaged SAR





## #05 WLAN5G\_802.11a\_Bottom\_0cm\_Ch116\_Ant A+B

**DUT: 220337-03**

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_120625 Medium parameters used :  $f = 5580$  MHz;  $\sigma = 5.86$  mho/m;  $\epsilon_r = 46.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(3.73, 3.73, 3.73); Calibrated: 2012/1/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0\_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

**Ch116/Area Scan (101x361x1):** Measurement grid: dx=10mm, dy=10mm

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

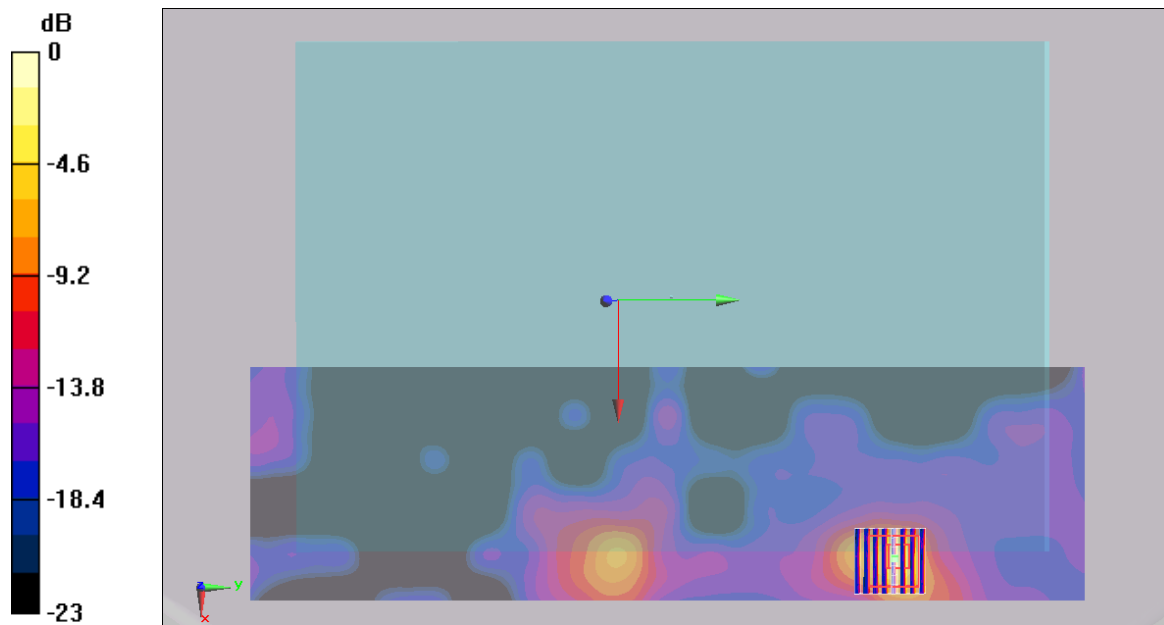
**Ch116/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.706 V/m; Power Drift = 0.051 dB

Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.150 mW/g**

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



0 dB = 0.750mW/g

## #05 WLAN5G\_802.11a\_Bottom\_0cm\_Ch116\_Ant A+B\_2D

**DUT: 220337-03**

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_120625 Medium parameters used :  $f = 5580$  MHz;  $\sigma = 5.86$  mho/m;  $\epsilon_r = 46.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(3.73, 3.73, 3.73); Calibrated: 2012/1/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0\_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

**Ch116/Area Scan (101x361x1):** Measurement grid: dx=10mm, dy=10mm

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

**Ch116/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

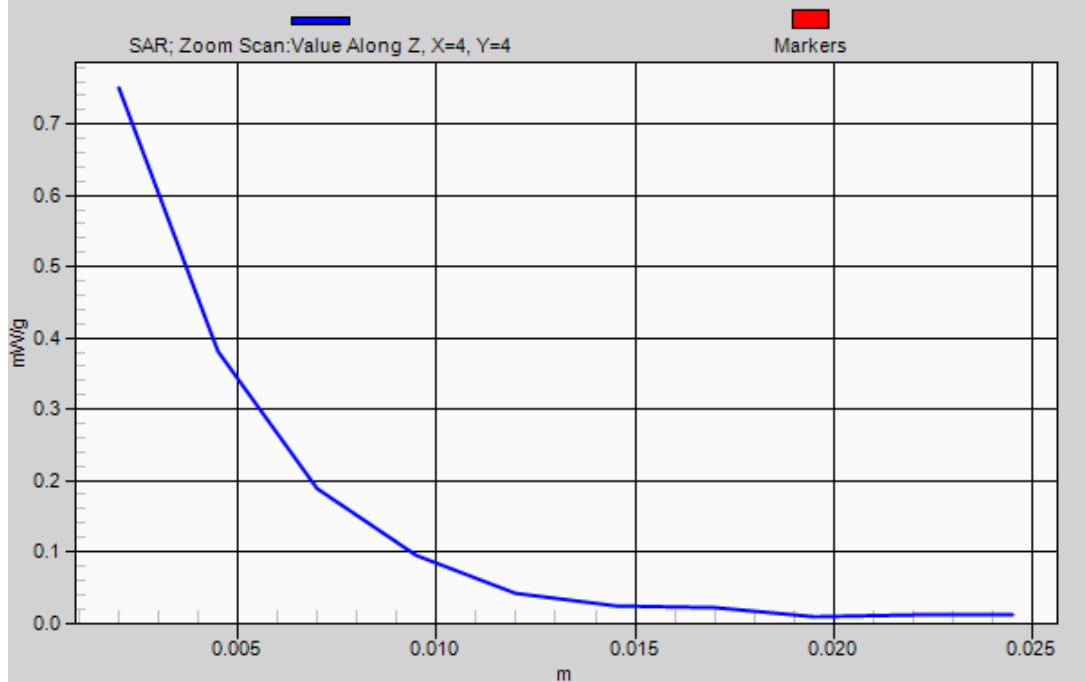
Reference Value = 0.706 V/m; Power Drift = 0.051 dB

Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.150 mW/g**

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

# 1g/10g Averaged SAR



## #06 WLAN5G\_802.11a\_Bottom\_0cm\_Ch149\_Ant A+B

**DUT: 220337-03**

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_120625 Medium parameters used :  $f = 5745$  MHz;  $\sigma = 6.1$  mho/m;  $\epsilon_r = 46.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(4.02, 4.02, 4.02); Calibrated: 2012/1/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0\_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

**Ch149/Area Scan (101x361x1):** Measurement grid: dx=10mm, dy=10mm

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

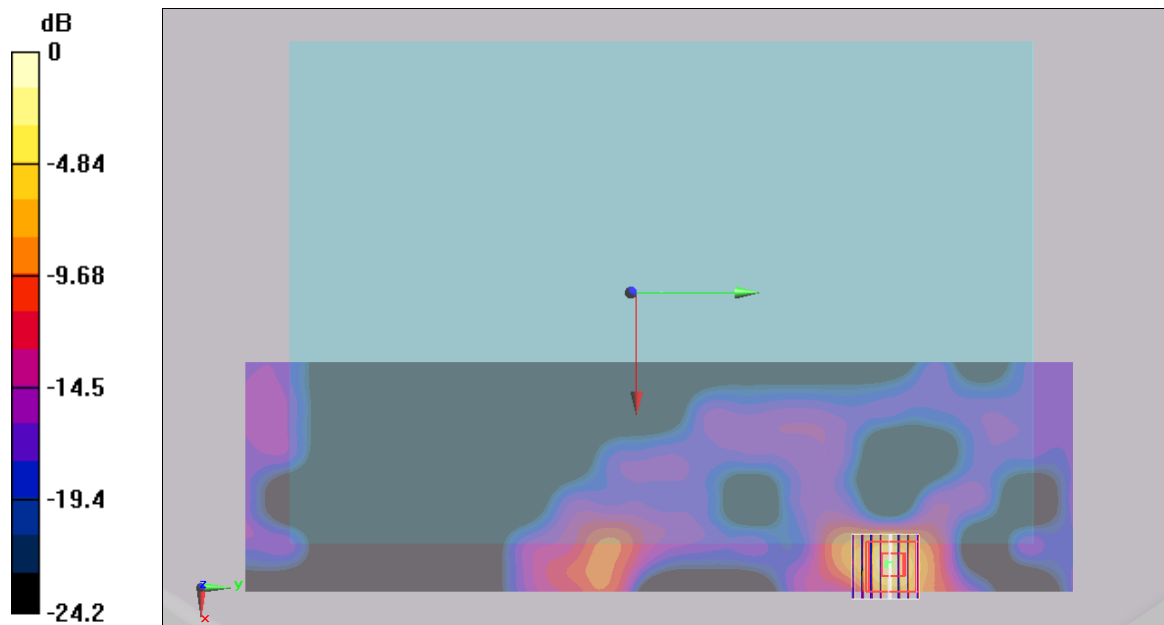
**Ch149/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.56 V/m; Power Drift = -0.100 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.384 mW/g; SAR(10 g) = 0.142 mW/g**

Maximum value of SAR (measured) = 0.738 mW/g



0 dB = 0.738mW/g

## #06 WLAN5G\_802.11a\_Bottom\_0cm\_Ch149\_Ant A+B\_2D

**DUT: 220337-03**

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_120625 Medium parameters used :  $f = 5745$  MHz;  $\sigma = 6.1$  mho/m;  $\epsilon_r = 46.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3661; ConvF(4.02, 4.02, 4.02); Calibrated: 2012/1/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0\_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

**Ch149/Area Scan (101x361x1):** Measurement grid: dx=10mm, dy=10mm

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

**Ch149/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.56 V/m; Power Drift = -0.100 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.384 mW/g; SAR(10 g) = 0.142 mW/g**

Maximum value of SAR (measured) = 0.738 mW/g

# 1g/10g Averaged SAR

