

**#02 802.11b\_Bottom\_0cm\_Ch6\_Ant B**

**DUT: 050315**

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

Medium: MSL\_2450\_100520 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.6 ; Liquid Temperature : 21.6

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.19, 4.19, 4.19); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

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

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

**Ch6/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.45 V/m; Power Drift = -0.134 dB

Peak SAR (extrapolated) = 0.065 W/kg

**SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.013 mW/g**

Maximum value of SAR (measured) = 0.024 mW/g

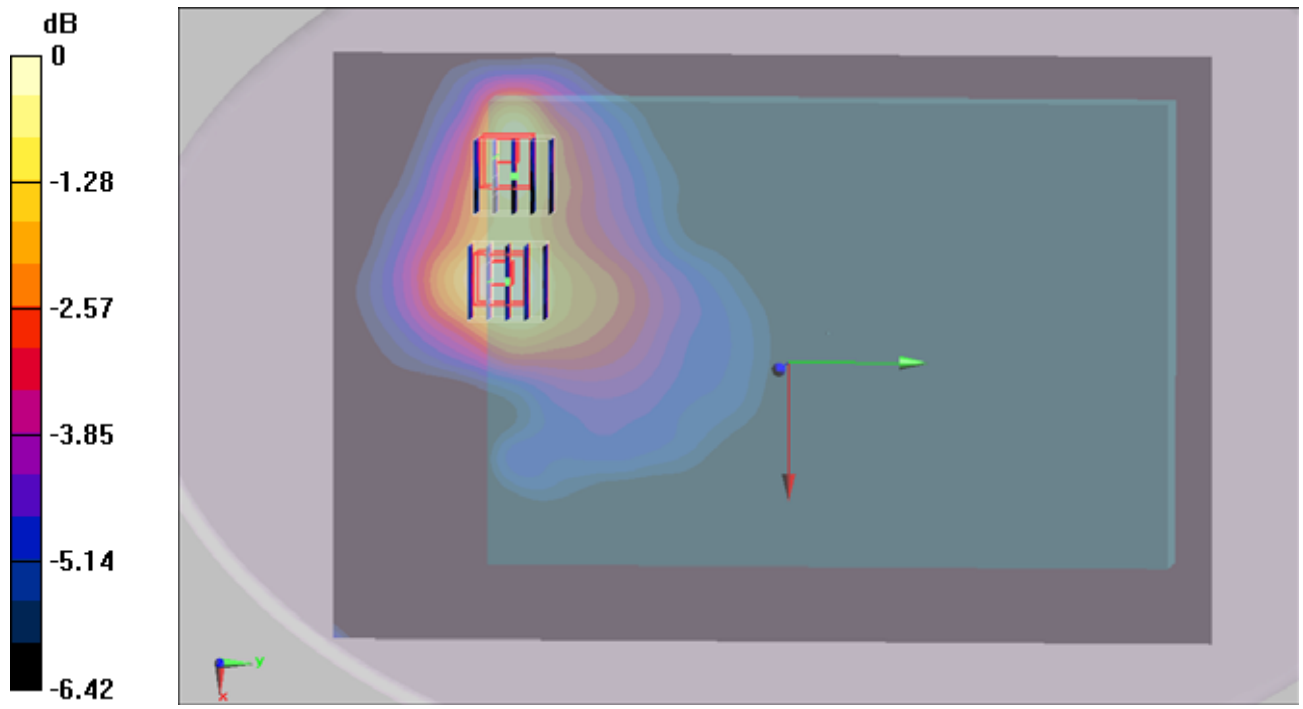
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.45 V/m; Power Drift = -0.134 dB

Peak SAR (extrapolated) = 0.045 W/kg

**SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.014 mW/g**

Maximum value of SAR (measured) = 0.022 mW/g



0 dB = 0.022mW/g

**#08 802.11b\_Primary Landscape\_0cm\_Ch6\_Ant B**

**DUT: 050315**

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

Medium: MSL\_2450\_100520 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.6 ; Liquid Temperature : 21.6

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.19, 4.19, 4.19); Calibrated: 2009/9/23

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

- Electronics: DAE4 Sn778; Calibrated: 2009/9/18

- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029

- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch6/Area Scan (51x181x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.038 mW/g

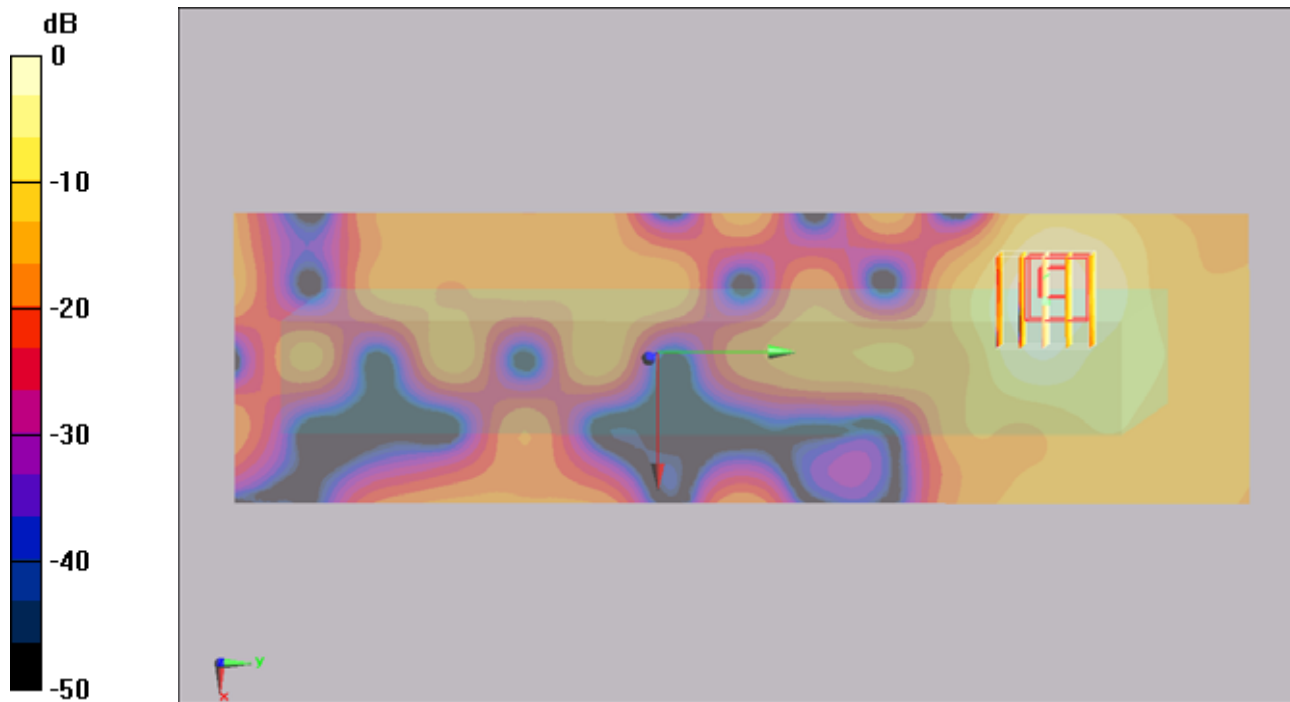
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.807 V/m; Power Drift = -0.124 dB

Peak SAR (extrapolated) = 0.094 W/kg

**SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.018 mW/g**

Maximum value of SAR (measured) = 0.037 mW/g



0 dB = 0.037mW/g

**#12 802.11b\_Secondary Landscape\_0cm\_Ch1\_Ant A**

**DUT: 050315**

Communication System: 802.11b ; Frequency: 2412 MHz;Duty Cycle: 1:1

Medium: MSL\_2450\_100520 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.6 ; Liquid Temperature : 21.6

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.19, 4.19, 4.19); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch1/Area Scan (51x181x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.144 mW/g

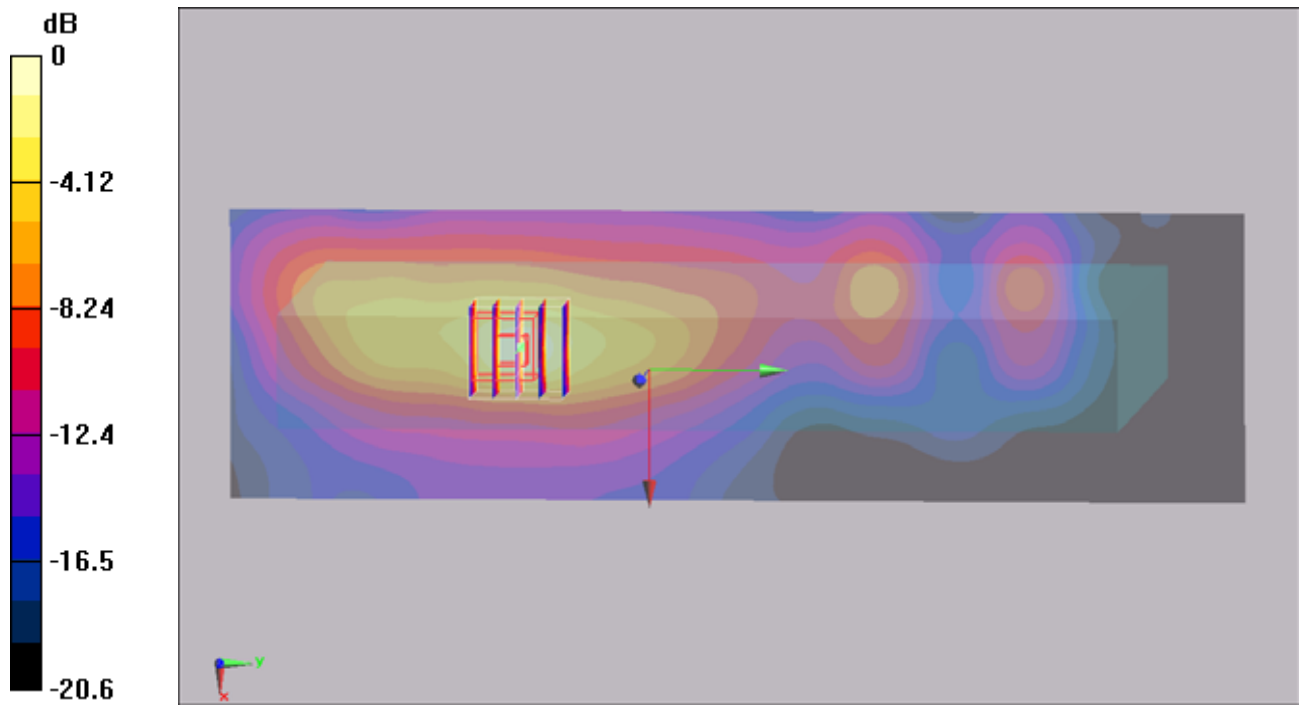
**Ch1/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.2 V/m; Power Drift = -0.152 dB

Peak SAR (extrapolated) = 0.322 W/kg

**SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.057 mW/g**

Maximum value of SAR (measured) = 0.139 mW/g



0 dB = 0.139mW/g

#12 802.11b\_Secondary Landscape\_0cm\_Ch1\_Ant A\_2D

DUT: 050315

Communication System: 802.11b ; Frequency: 2412 MHz;Duty Cycle: 1:1

Medium: MSL\_2450\_100520 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 ; Liquid Temperature : 21.6

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.19, 4.19, 4.19); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch1/Area Scan (51x181x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.144 mW/g

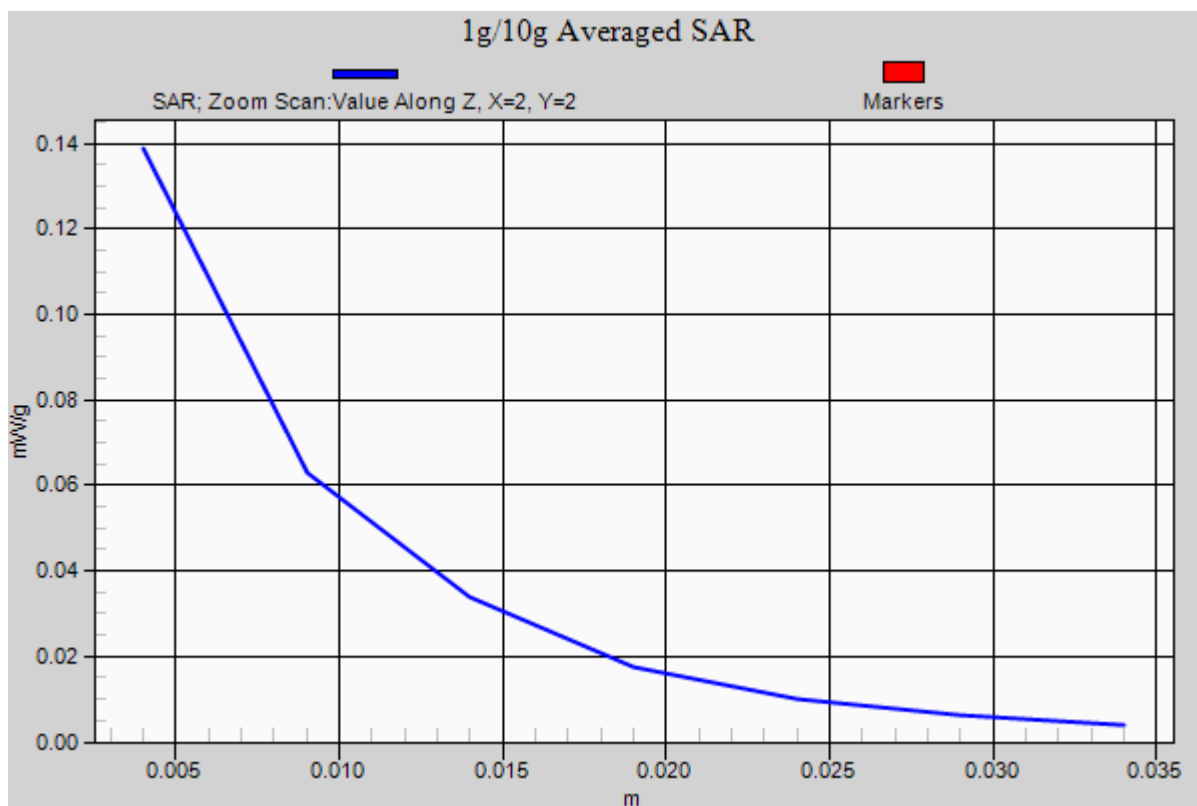
**Ch1/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.2 V/m; Power Drift = -0.152 dB

Peak SAR (extrapolated) = 0.322 W/kg

**SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.057 mW/g**

Maximum value of SAR (measured) = 0.139 mW/g



**#10 802.11b\_Primary Portrait\_0cm\_Ch6\_Ant A**

**DUT: 050315**

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

Medium: MSL\_2450\_100520 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.6 ; Liquid Temperature : 21.6

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.19, 4.19, 4.19); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch6/Area Scan (51x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.00615 mW/g

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

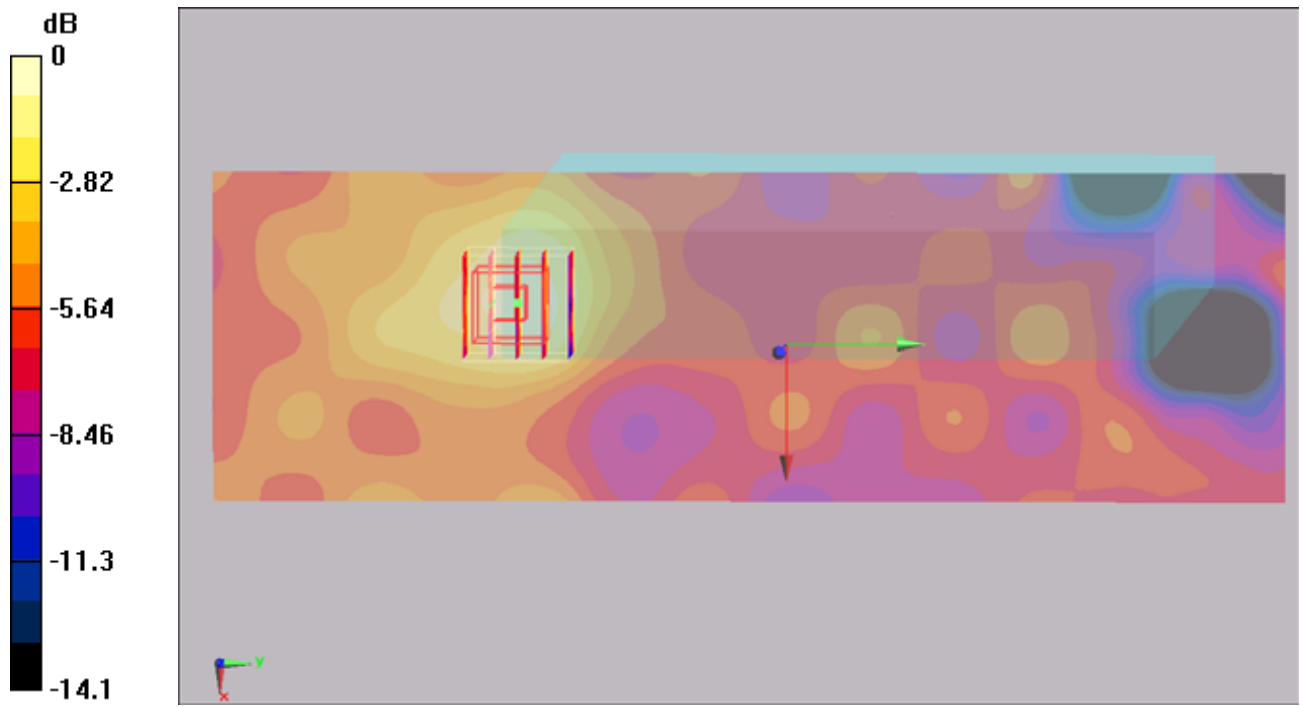
Reference Value = 0.902 V/m; Power Drift = -0.186 dB

Peak SAR (extrapolated) = 0.015 W/kg

**SAR(1 g) = 0.00627 mW/g; SAR(10 g) = 0.00357 mW/g**

Maximum value of SAR (measured) = 0.00648 mW/g





0 dB = 0.00648mW/g

**#11 802.11b\_Secondary Portrait\_0cm\_Ch6\_Ant B**

**DUT: 050315**

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

Medium: MSL\_2450\_100520 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.6 ; Liquid Temperature : 21.6

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.19, 4.19, 4.19); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch6/Area Scan (51x151x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.066 mW/g

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

Reference Value = 4.87 V/m; Power Drift = 0.00874 dB

Peak SAR (extrapolated) = 0.144 W/kg

**SAR(1 g) = 0.067 mW/g; SAR(10 g) = 0.037 mW/g**

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

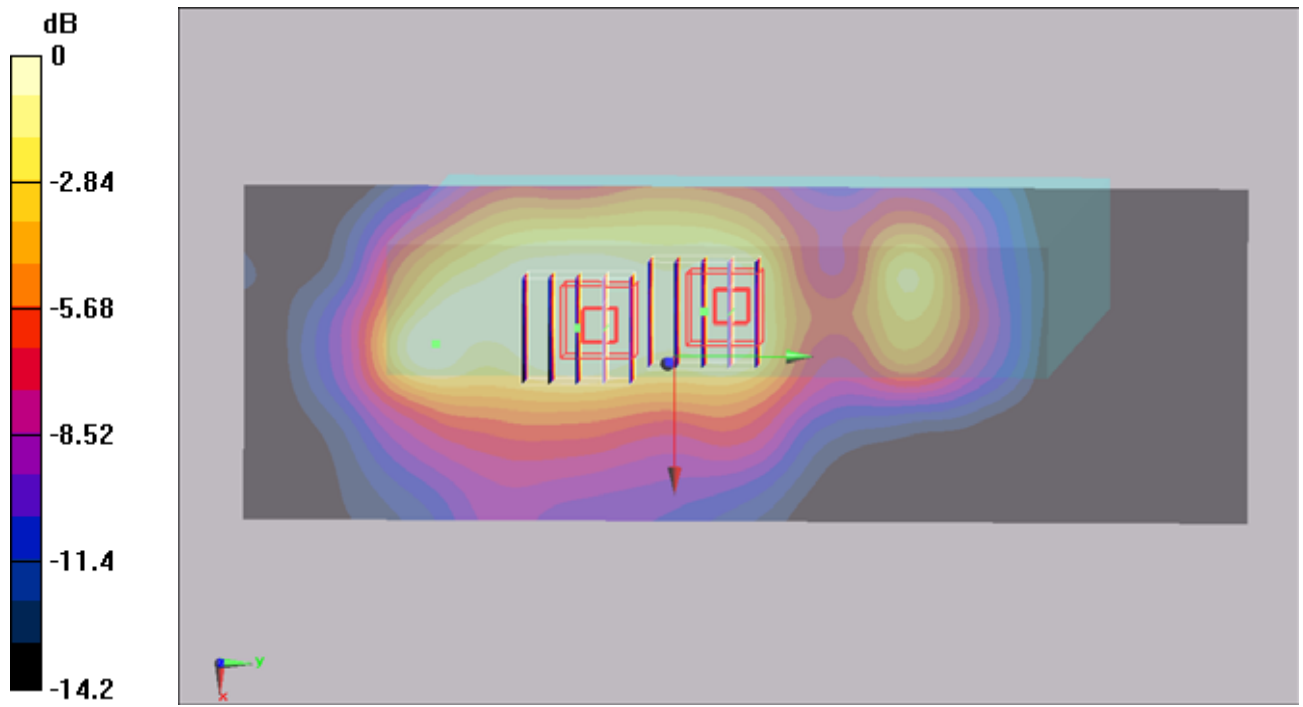
**Ch6/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.87 V/m; Power Drift = 0.00874 dB

Peak SAR (extrapolated) = 0.097 W/kg

**SAR(1 g) = 0.045 mW/g; SAR(10 g) = 0.027 mW/g**

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



0 dB = 0.047mW/g

### #18 802.11n\_20M\_Bottom\_0cm\_Ch36\_ANT A

**DUT: 050315-01**

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_100522 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.08$  mho/m;  $\epsilon_r = 47.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.4 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.27, 4.27, 4.27); Calibrated: 2010/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch36/Area Scan (251x381x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.053 mW/g

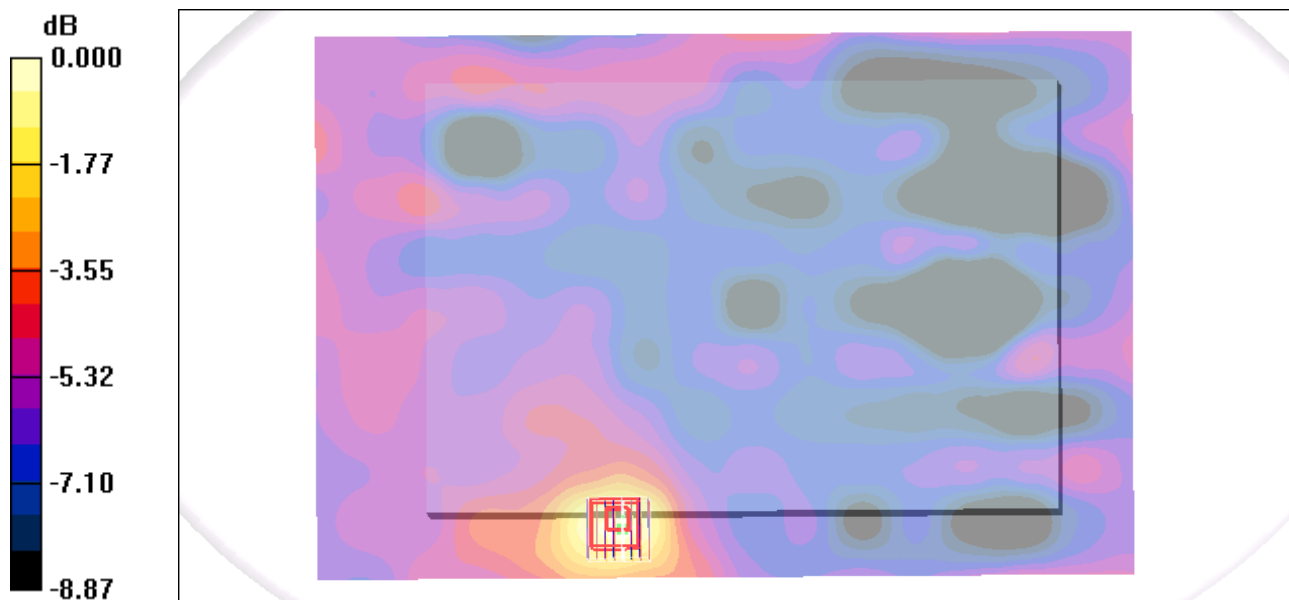
**Ch36/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.65 V/m; Power Drift = -0.102 dB

Peak SAR (extrapolated) = 0.082 W/kg

**SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.025 mW/g**

Maximum value of SAR (measured) = 0.058 mW/g



## #22 802.11n\_20M\_Primary Landscape\_0cm\_Ch36\_ANT B

### DUT: 050315-01

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_100522 Medium parameters used :  $f = 5180$  MHz;  $\sigma = 5.08$  mho/m;  $\epsilon_r = 47.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.4 °C

#### DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.27, 4.27, 4.27); Calibrated: 2010/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch36/Area Scan (121x401x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.043 mW/g

**Ch36/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.237 V/m; Power Drift = 0.174 dB

Peak SAR (extrapolated) = 0.045 W/kg

**SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.015 mW/g**

Maximum value of SAR (measured) = 0.030 mW/g

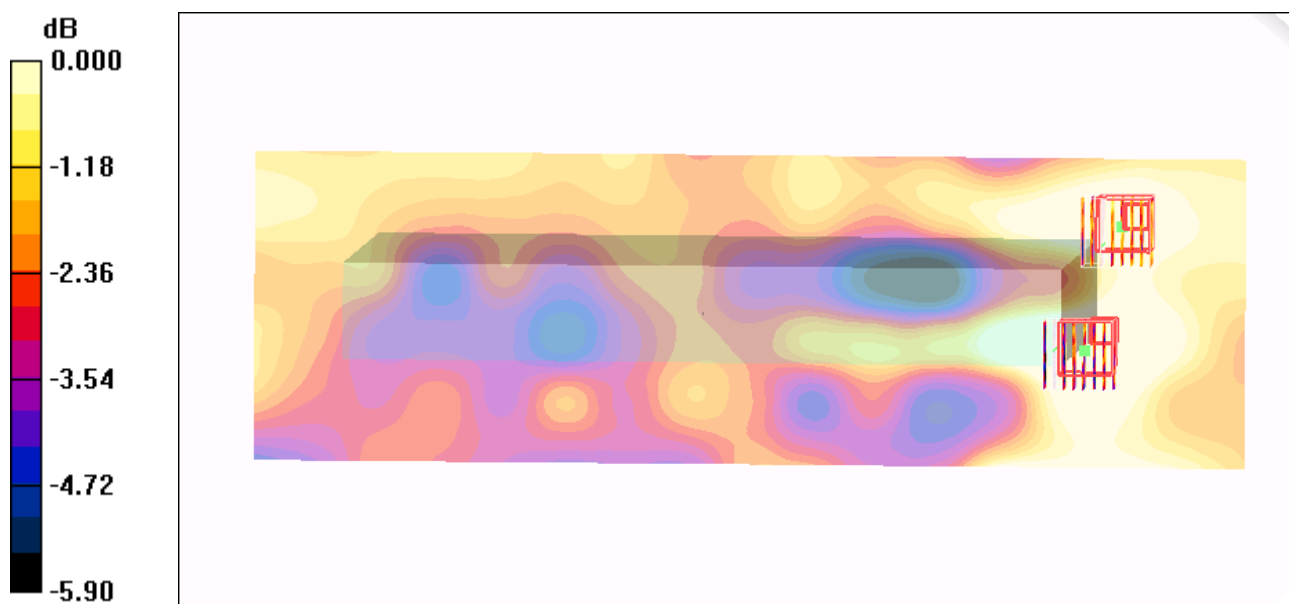
**Ch36/Zoom Scan (8x8x10)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.237 V/m; Power Drift = 0.174 dB

Peak SAR (extrapolated) = 0.034 W/kg

**SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.014 mW/g**

Maximum value of SAR (measured) = 0.022 mW/g



0 dB = 0.022mW/g

### #30 802.11n\_20M\_Secondary Landscape\_0cm\_Ch116\_ANT A

**DUT: 050315-01**

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

Medium: MSL\_5G\_100523 Medium parameters used:  $f = 5580 \text{ MHz}$ ;  $\sigma = 5.86 \text{ mho/m}$ ;  $\epsilon_r = 46.8$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.1 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(3.66, 3.66, 3.66); Calibrated: 2010/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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 (121x201x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.68 mW/g

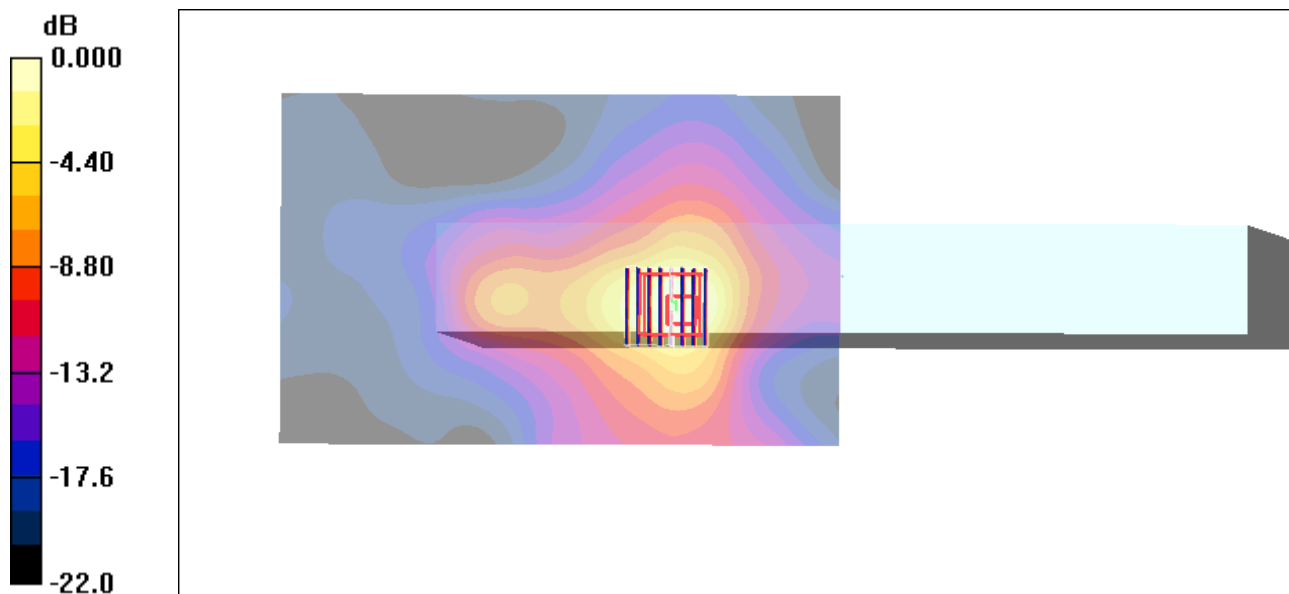
**Ch116/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.19 V/m; Power Drift = -0.175 dB

Peak SAR (extrapolated) = 2.33 W/kg

**SAR(1 g) = 0.954 mW/g; SAR(10 g) = 0.384 mW/g**

Maximum value of SAR (measured) = 1.64 mW/g



0 dB = 1.64mW/g

### #30 802.11n\_20M\_Secondary Landscape\_0cm\_Ch116\_ANT A\_2D

**DUT: 050315-01**

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

Medium: MSL\_5G\_100523 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.86$  mho/m;  $\epsilon_r = 46.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.1 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(3.66, 3.66, 3.66); Calibrated: 2010/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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 (121x201x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.68 mW/g

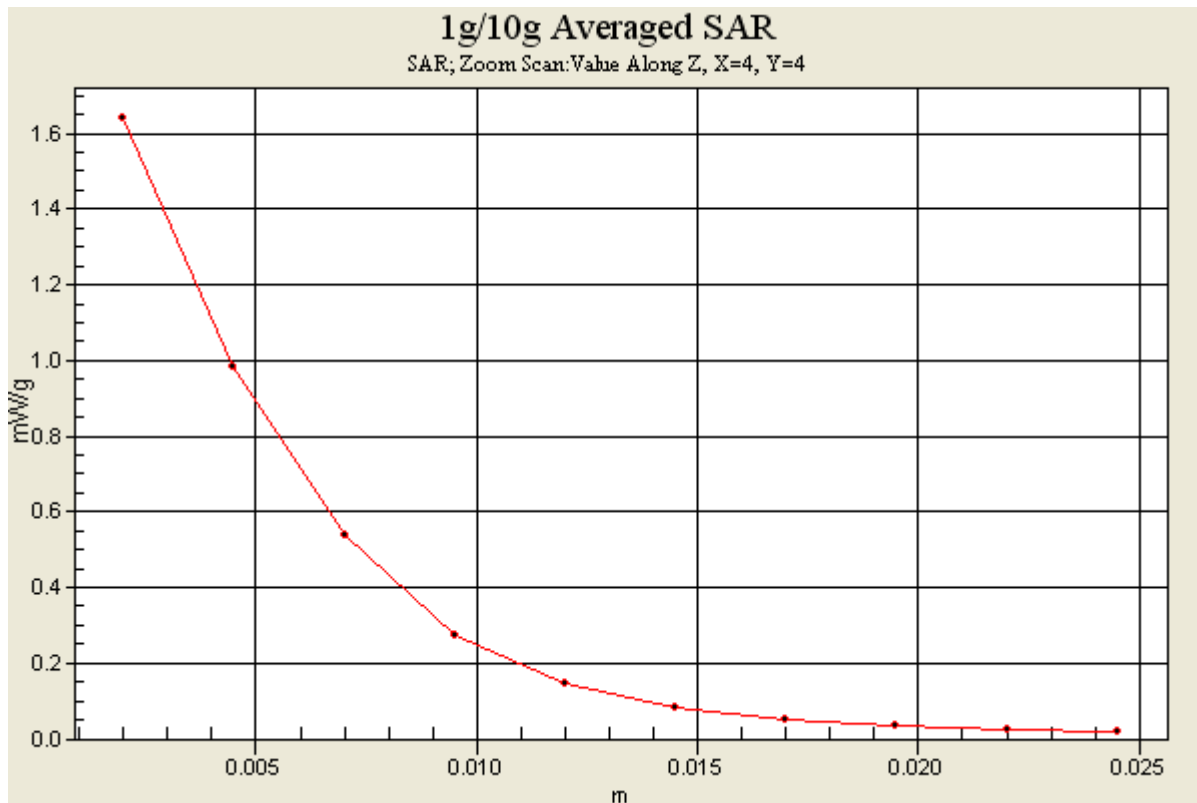
**Ch116/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.19 V/m; Power Drift = -0.175 dB

Peak SAR (extrapolated) = 2.33 W/kg

**SAR(1 g) = 0.954 mW/g; SAR(10 g) = 0.384 mW/g**

Maximum value of SAR (measured) = 1.64 mW/g



### #24 802.11n\_20M\_Primary Portrait\_0cm\_Ch36\_ANT A

**DUT: 050315-01**

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_100523 Medium parameters used :  $f = 5180$  MHz;  $\sigma = 5.3$  mho/m;  $\epsilon_r = 47.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.7 °C ; Liquid Temperature : 21.1 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.27, 4.27, 4.27); Calibrated: 2010/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch36/Area Scan (121x301x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.028 mW/g

**Ch36/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.358 V/m; Power Drift = 0.167 dB

Peak SAR (extrapolated) = 0.028 W/kg

**SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.012 mW/g**

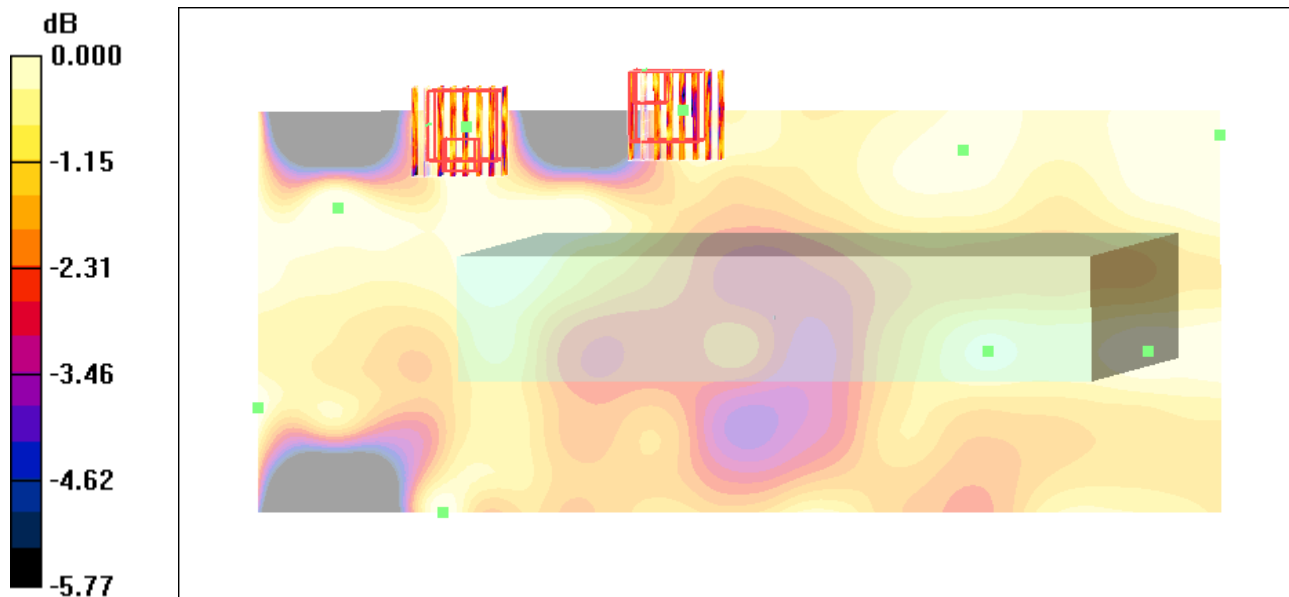
Maximum value of SAR (measured) = 0.020 mW/g

**Ch36/Zoom Scan (8x8x10)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.358 V/m; Power Drift = 0.167 dB

Peak SAR (extrapolated) = 0.036 W/kg

**SAR(1 g) = 0.00751 mW/g; SAR(10 g) = 0.00348 mW/g**



0 dB = 0.020mW/g



### #25 802.11n\_20M\_Secondary Portrait\_0cm\_Ch36\_ANT B

**DUT: 050315-01**

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: MSL\_5G\_100522 Medium parameters used :  $f = 5180$  MHz;  $\sigma = 5.08$  mho/m;  $\epsilon_r = 47.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.4 °C

DASY4 Configuration:

- Probe: EX3DV3 - SN3514; ConvF(4.27, 4.27, 4.27); Calibrated: 2010/1/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch36/Area Scan (121x301x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.253 mW/g

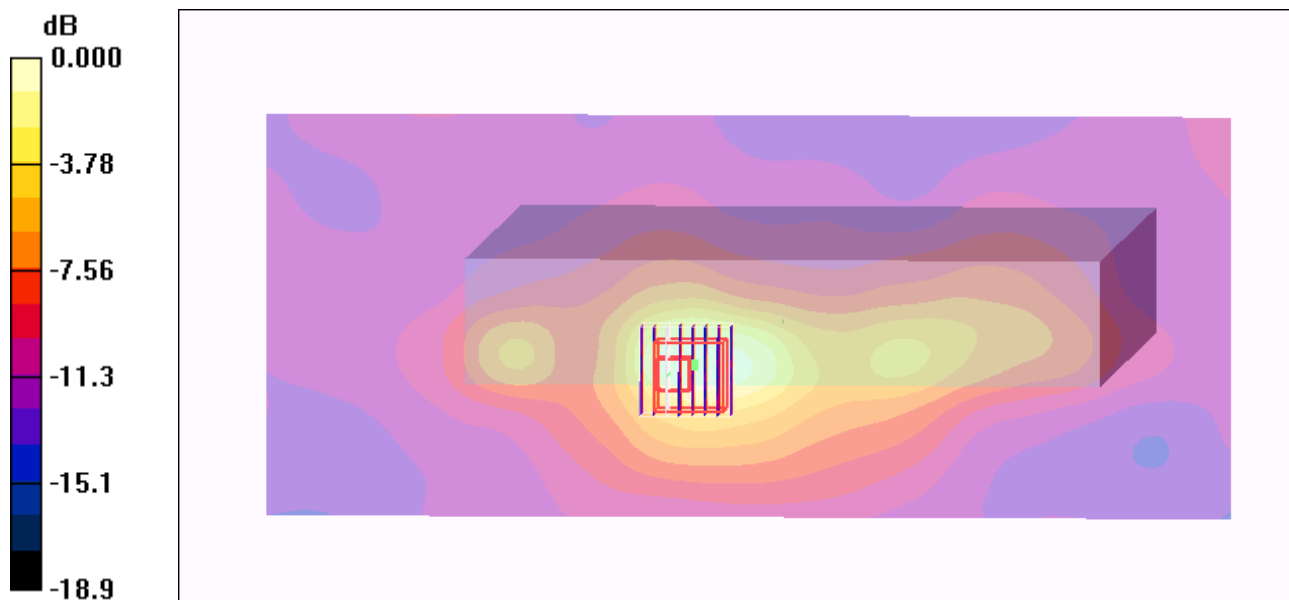
**Ch36/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.08 V/m; Power Drift = -0.165 dB

Peak SAR (extrapolated) = 0.387 W/kg

**SAR(1 g) = 0.137 mW/g; SAR(10 g) = 0.061 mW/g**

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



0 dB = 0.238mW/g