



## ***Appendix B. Plots of SAR Measurement***

The plots are shown as follows.

### #01\_WLAN2.4G\_802.11b 1Mbps\_Bottom\_0cm\_Ch6

**DUT: 312619**

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

Medium: MSL\_2450\_130331 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.996$  mho/m;  $\epsilon_r = 53.979$ ;  $\rho$

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

Ambient Temperature : 22.6°C; Liquid Temperature : 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch6/Area Scan (151x171x1):** Measurement grid: dx=12mm, dy=12mm  
 Maximum value of SAR (interpolated) = 1.48 mW/g

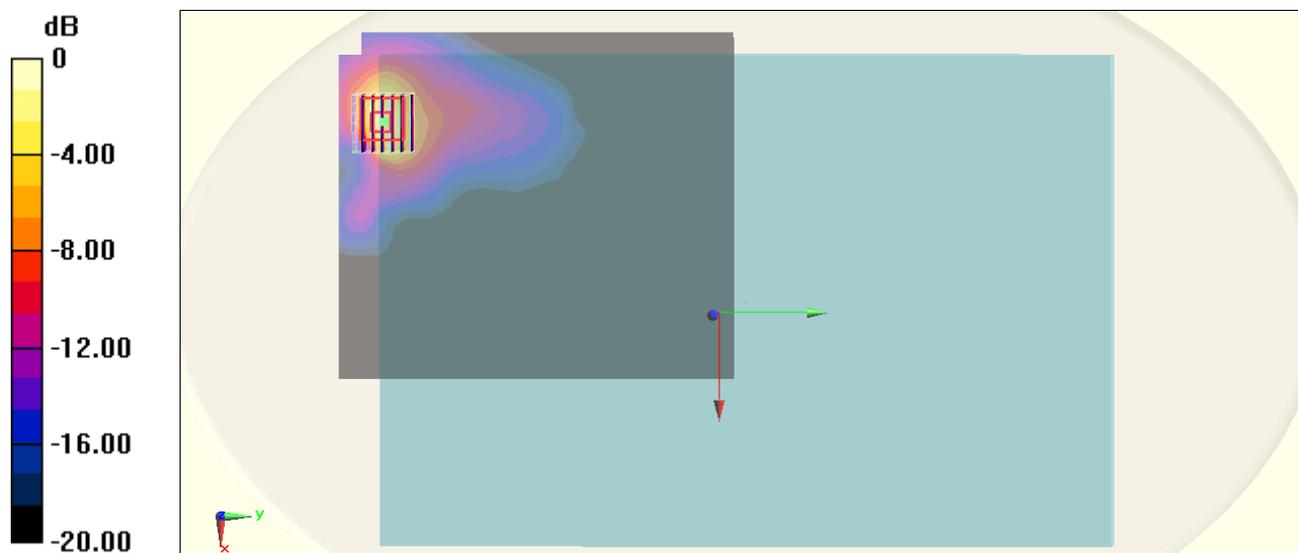
**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.113 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.940 mW/g

**SAR(1 g) = 0.801 mW/g; SAR(10 g) = 0.334 mW/g**

Maximum value of SAR (measured) = 1.32 mW/g



0 dB = 1.32 mW/g = 2.41 dB mW/g

## #02\_WLAN2.4G\_802.11b 1Mbps\_Bottom\_0cm\_Ch1

**DUT: 312619**

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

Medium: MSL\_2450\_130331 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.959$  mho/m;  $\epsilon_r = 54.047$ ;  $\rho$

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

Ambient Temperature : 22.6°C; Liquid Temperature : 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch1/Area Scan (131x151x1):** Measurement grid: dx=12mm, dy=12mm  
 Maximum value of SAR (interpolated) = 1.07 mW/g

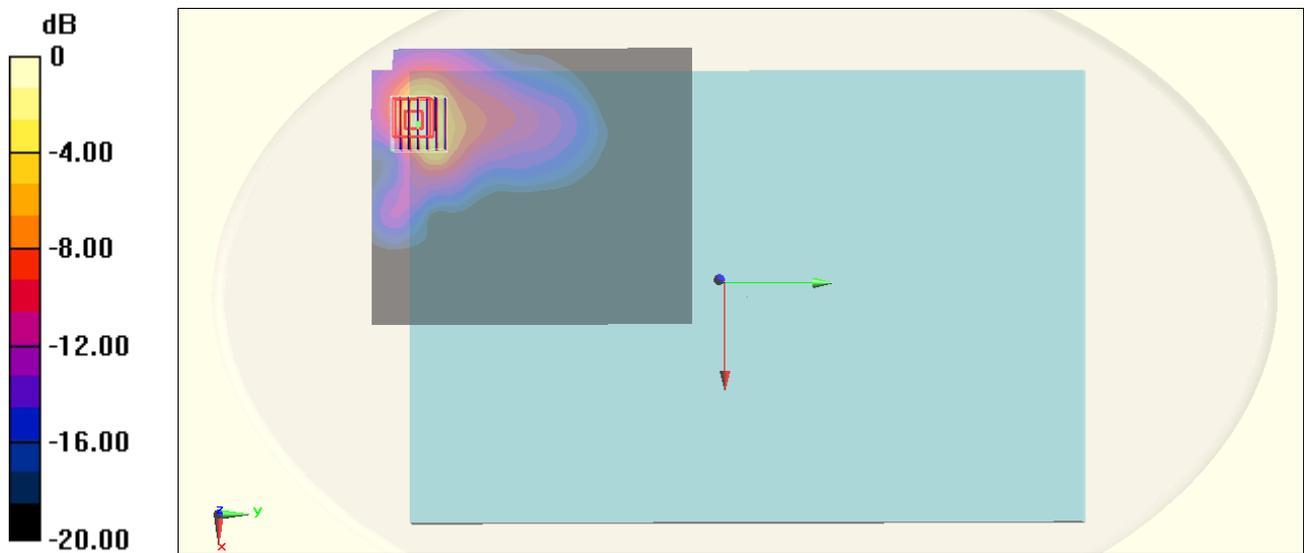
**Configuration/Ch1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm,  
 dz=5mm

Reference Value = 22.539 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.655 mW/g

**SAR(1 g) = 0.726 mW/g; SAR(10 g) = 0.313 mW/g**

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



0 dB = 1.12 mW/g = 0.98 dB mW/g

### #03\_WLAN2.4G\_802.11b 1Mbps\_Bottom\_0cm\_Ch11

**DUT: 312619**

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_130331 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.032$  mho/m;  $\epsilon_r = 53.942$ ;  $\rho$

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

Ambient Temperature : 22.6°C; Liquid Temperature : 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch11/Area Scan (131x151x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 1.23 mW/g

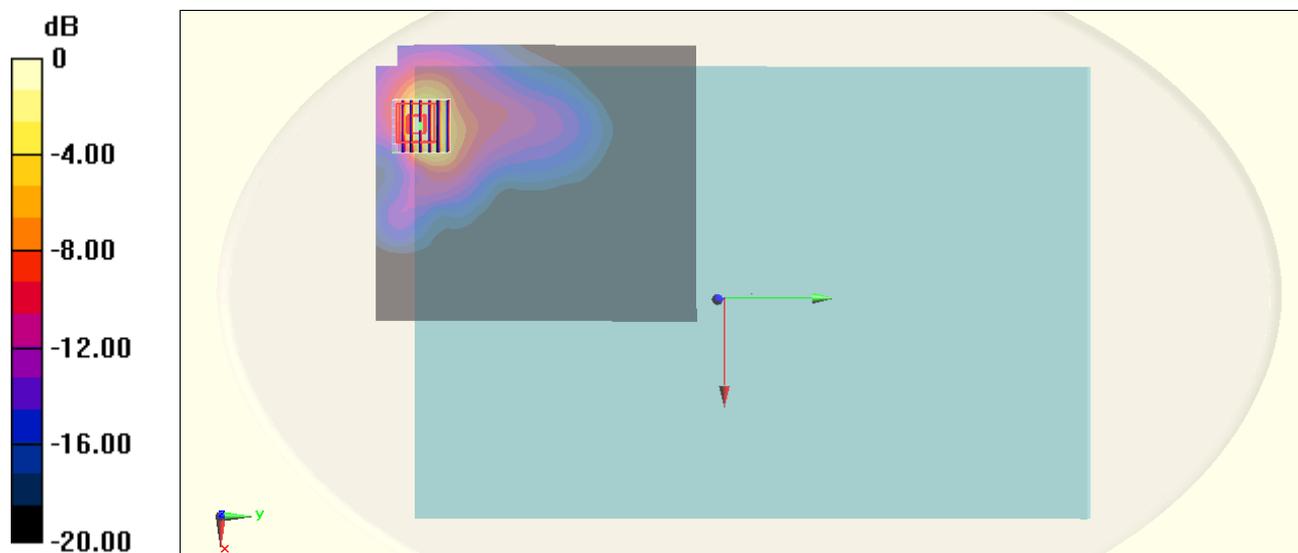
**Configuration/Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.277 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.878 mW/g

**SAR(1 g) = 0.806 mW/g; SAR(10 g) = 0.340 mW/g**

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



0 dB = 1.25 mW/g = 1.94 dB mW/g

### #04\_WLAN2.4G\_802.11b 1Mbps\_Bottom\_0cm\_Ch11;Repeat

**DUT: 312619**

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_130331 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.032$  mho/m;  $\epsilon_r = 53.942$ ;  $\rho$

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

Ambient Temperature : 22.6°C; Liquid Temperature : 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(7.1, 7.1, 7.1); Calibrated: 2012/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0\_Front; Type: QDOVA001BB; Serial: 1029
- Measurement SW: DASY52, Version 52.8 (3); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch11/Area Scan (11x13x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 1.33 mW/g

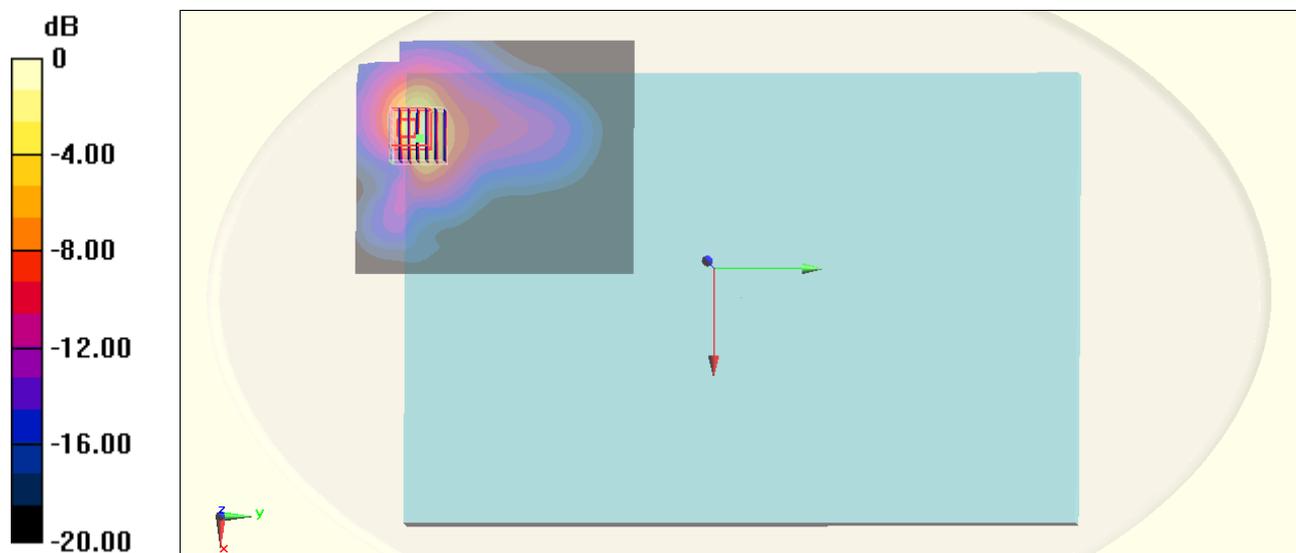
**Configuration/Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.125 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.854 mW/g

**SAR(1 g) = 0.799 mW/g; SAR(10 g) = 0.331 mW/g**

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



0 dB = 1.28 mW/g = 2.14 dB mW/g