

## #01\_WCDMA II\_RMC 12.2Kbps\_Edge 1\_0mm\_Ch9538

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1  
 Medium: MSL\_1900\_160116 Medium parameters used:  $f = 1908 \text{ MHz}$ ;  $\sigma = 1.578 \text{ mho/m}$ ;  $\epsilon_r = 52.993$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3955; ConvF(7.89, 7.89, 7.89); Calibrated: 2015/11/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: ELI 4.0\_Right; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch9538/Area Scan (41x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
 Maximum value of SAR (interpolated) = 1.04 mW/g

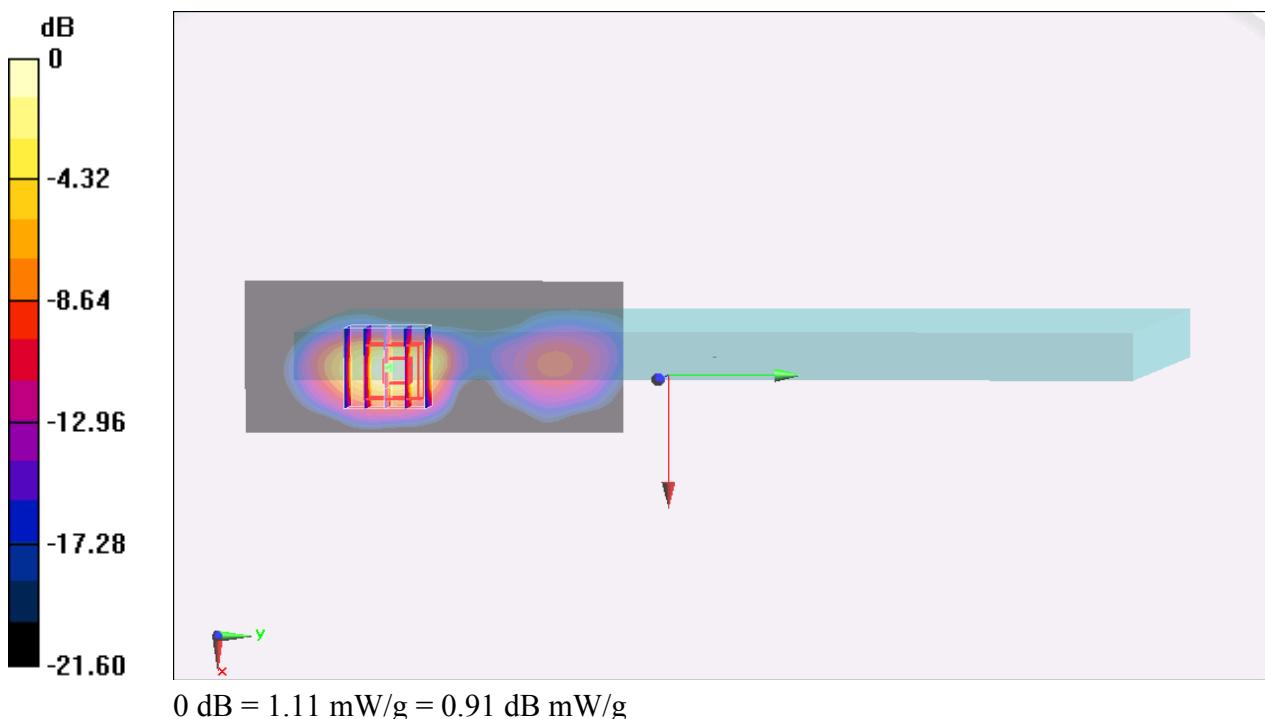
**Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  
 $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 17.691 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.498 mW/g

**SAR(1 g) = 0.703 mW/g; SAR(10 g) = 0.306 mW/g**

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



## #02\_WCDMA IV\_RMC 12.2Kbps\_Edge 4\_0mm\_Ch1413

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1  
 Medium: MSL\_1750\_160122 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.463$  S/m;  $\epsilon_r = 55.268$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

### DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.95, 4.95, 4.95); Calibrated: 2015/9/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1490; Calibrated: 2015/9/14
- Phantom: ELI v4.0\_Front; Type: QDOVA001BB; Serial: TP:1029
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch1413/Area Scan (51x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 2.13 W/kg

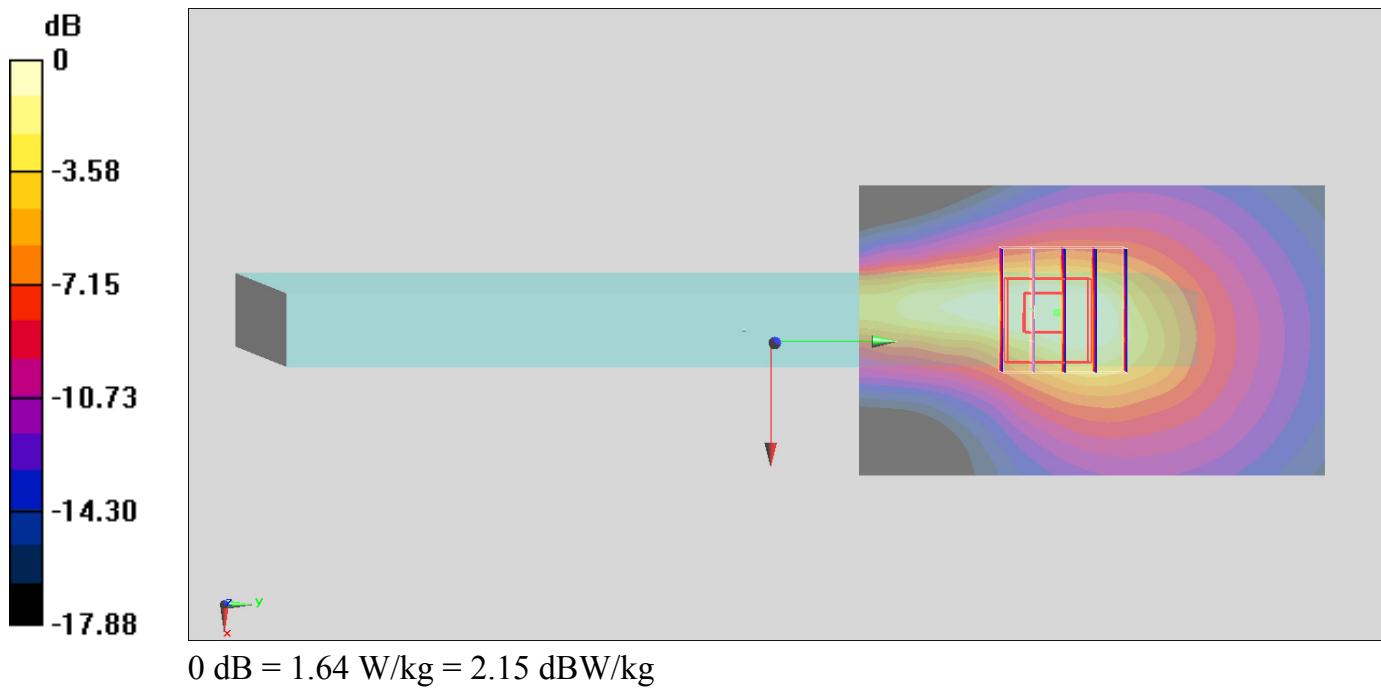
**Configuration/Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.58 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.24 W/kg

**SAR(1 g) = 0.92 W/kg; SAR(10 g) = 0.544 W/kg**

Maximum value of SAR (measured) = 1.64 W/kg



## #03\_WCDMA V\_RMC 12.2Kbps\_Edge 1\_0mm\_Ch4233

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_160117 Medium parameters used:  $f = 847$  MHz;  $\sigma = 1.002$  mho/m;  $\epsilon_r = 57.349$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3955; ConvF(10.08, 10.08, 10.08); Calibrated: 2015/11/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: ELI 4.0\_Right; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch4233/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.12 mW/g

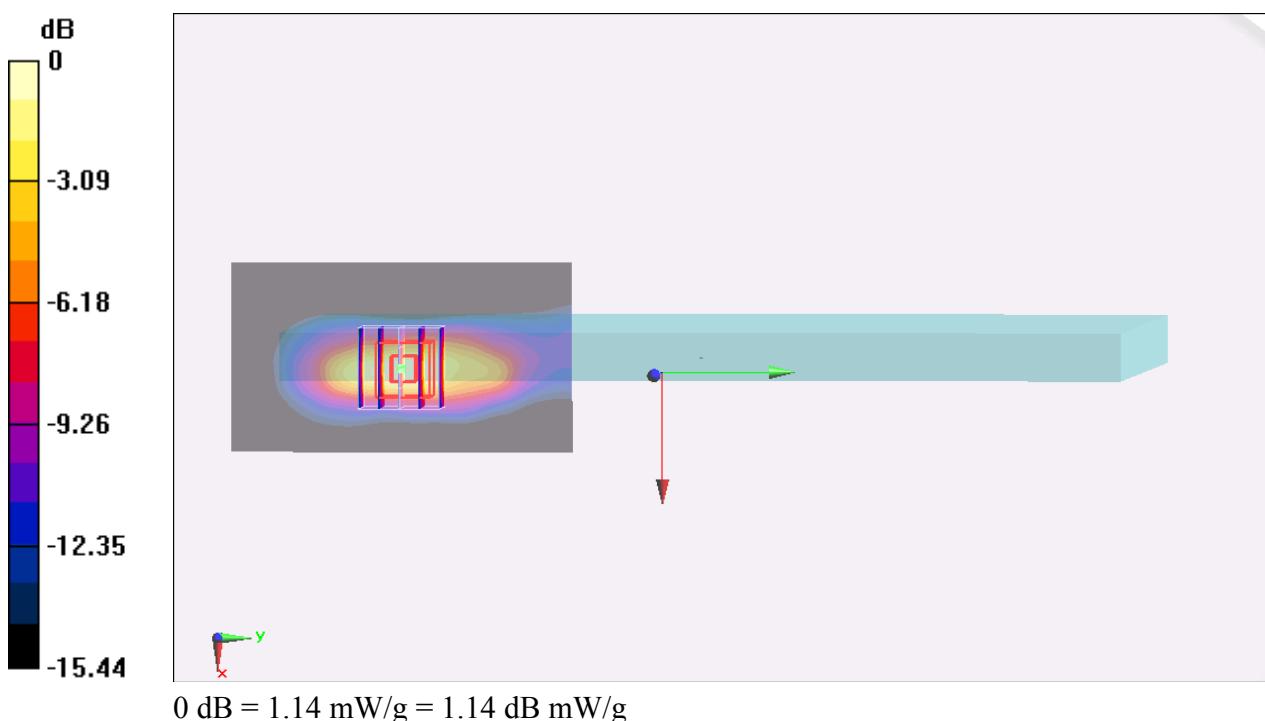
**Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.454 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.385 mW/g

**SAR(1 g) = 0.708 mW/g; SAR(10 g) = 0.368 mW/g**

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



## #04\_LTE Band 4\_20M\_QPSK\_1\_0\_Edge 4\_0mm\_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
 Medium: MSL\_1750\_160122 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.462$  S/m;  $\epsilon_r = 55.27$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

### DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.95, 4.95, 4.95); Calibrated: 2015/9/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1490; Calibrated: 2015/9/14
- Phantom: ELI v4.0\_Front; Type: QDOVA001BB; Serial: TP:1029
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch20175/Area Scan (51x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.30 W/kg

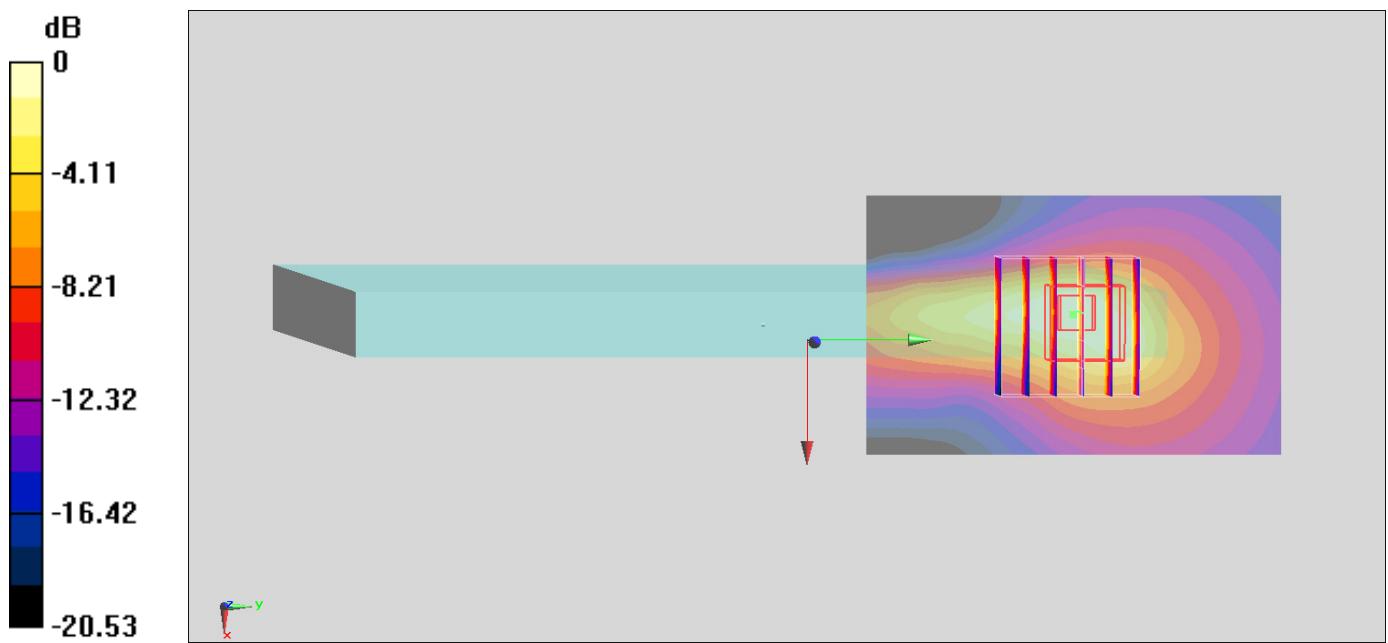
**Configuration/Ch20175/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.023 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.62 W/kg

**SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.619 W/kg**

Maximum value of SAR (measured) = 1.87 W/kg



## #05\_LTE Band 7\_20M\_QPSK\_1\_0\_Edge 1\_0mm\_Ch21350

Communication System: LTE ; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: MSL\_2600\_160201 Medium parameters used:  $f = 2560 \text{ MHz}$ ;  $\sigma = 2.145 \text{ S/m}$ ;  $\epsilon_r = 53.045$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

### DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.27, 4.27, 4.27); Calibrated: 2015/9/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1490; Calibrated: 2015/9/14
- Phantom: ELI v4.0\_Front; Type: QDOVA001BB; Serial: TP:1029
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch21350/Area Scan (51x101x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 1.44 W/kg

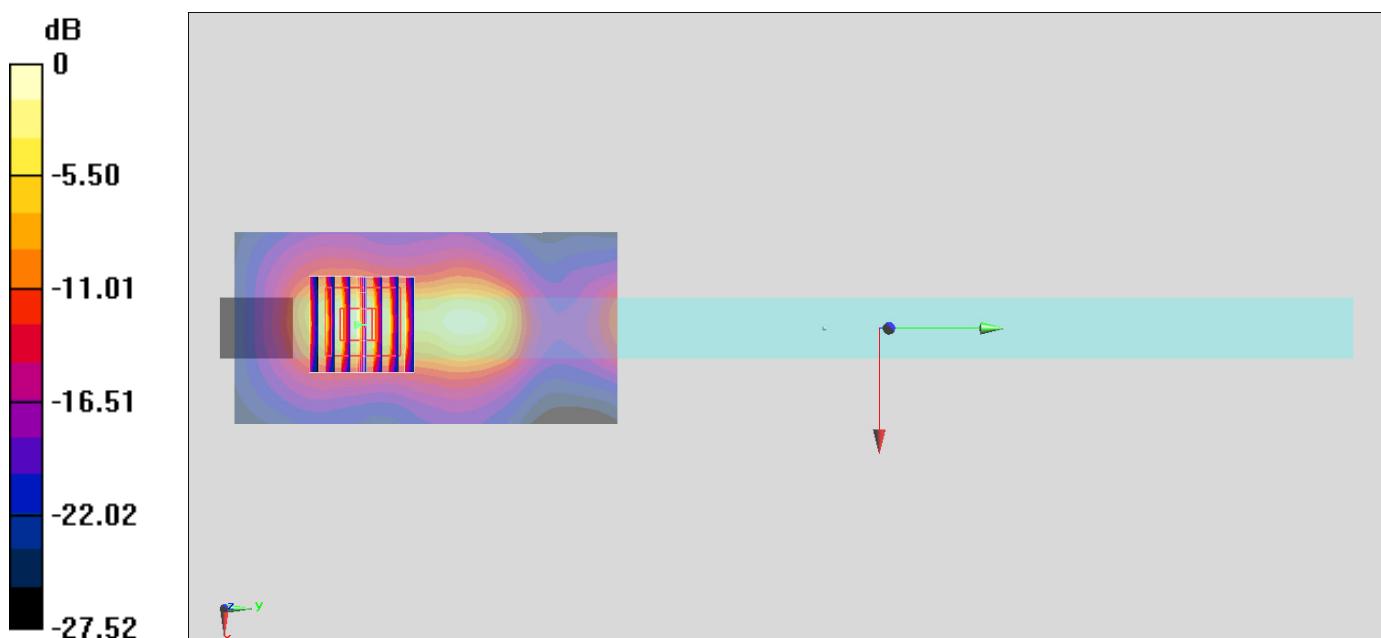
**Configuration/Ch21350/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 23.01 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 2.60 W/kg

**SAR(1 g) = 0.925 W/kg; SAR(10 g) = 0.339 W/kg**

Maximum value of SAR (measured) = 1.64 W/kg



$$0 \text{ dB} = 1.64 \text{ W/kg} = 2.15 \text{ dBW/kg}$$

## #06\_LTE Band 12\_10M\_QPSK\_1\_0\_Edge 1\_0mm\_Ch23095

Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_160119 Medium parameters used :  $f = 707.5$  MHz;  $\sigma = 0.926$  S/m;  $\epsilon_r = 56.54$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

### DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.3, 6.3, 6.3); Calibrated: 2015/9/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1490; Calibrated: 2015/9/14
- Phantom: ELI v4.0\_Front; Type: QDOVA001BB; Serial: TP:1029
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch23095/Area Scan (51x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.28 W/kg

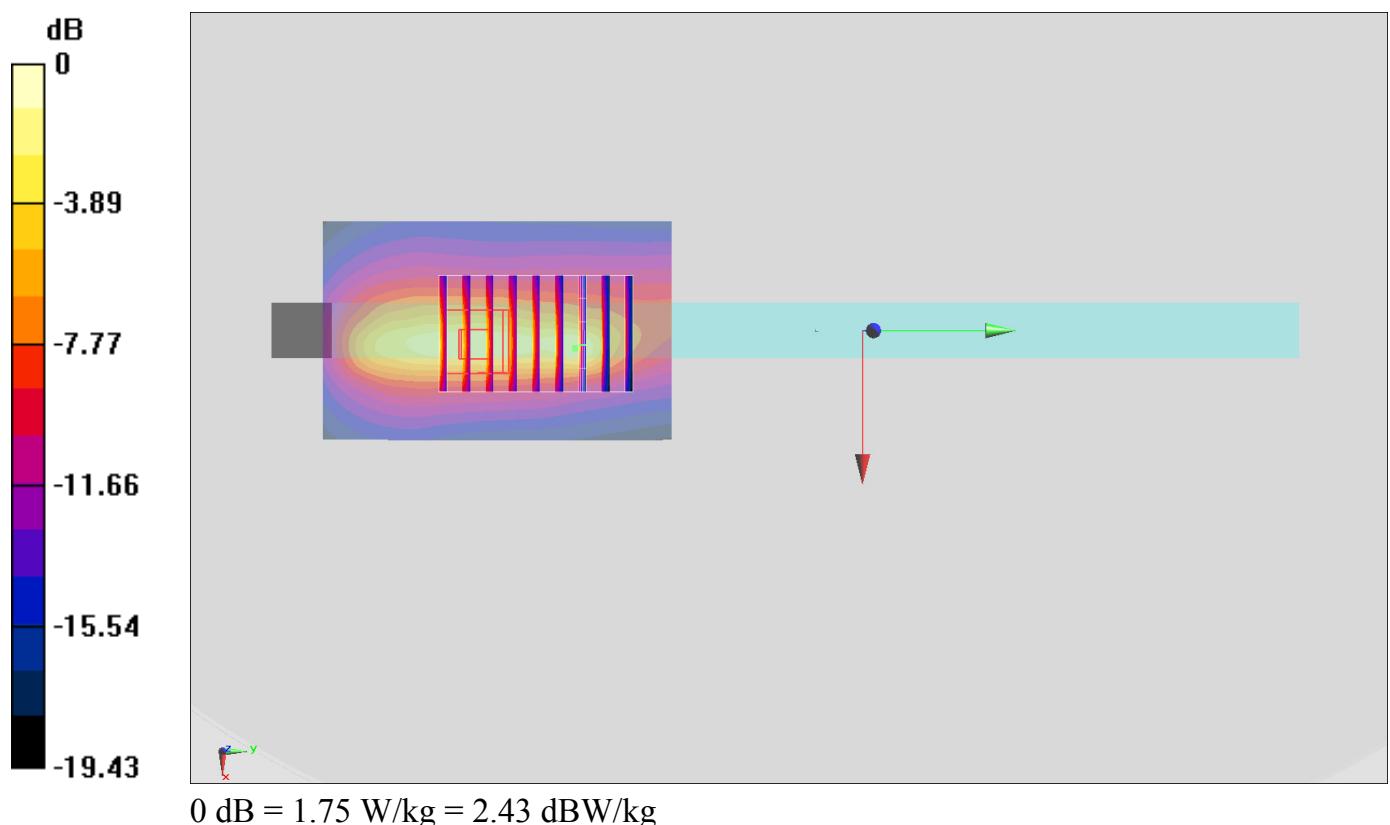
**Configuration/Ch23095/Zoom Scan (6x9x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.711 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 3.68 W/kg

**SAR(1 g) = 0.892 W/kg; SAR(10 g) = 0.485 W/kg**

Maximum value of SAR (measured) = 1.75 W/kg



## #07\_LTE Band 13\_10M\_QPSK\_1\_25\_Edge 1\_0mm\_Ch23230

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_160201 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.992$  S/m;  $\epsilon_r = 53.375$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

### DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.3, 6.3, 6.3); Calibrated: 2015/9/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1490; Calibrated: 2015/9/14
- Phantom: ELI v4.0\_Front; Type: QDOVA001BB; Serial: TP:1029
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch23230/Area Scan (51x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.81 W/kg

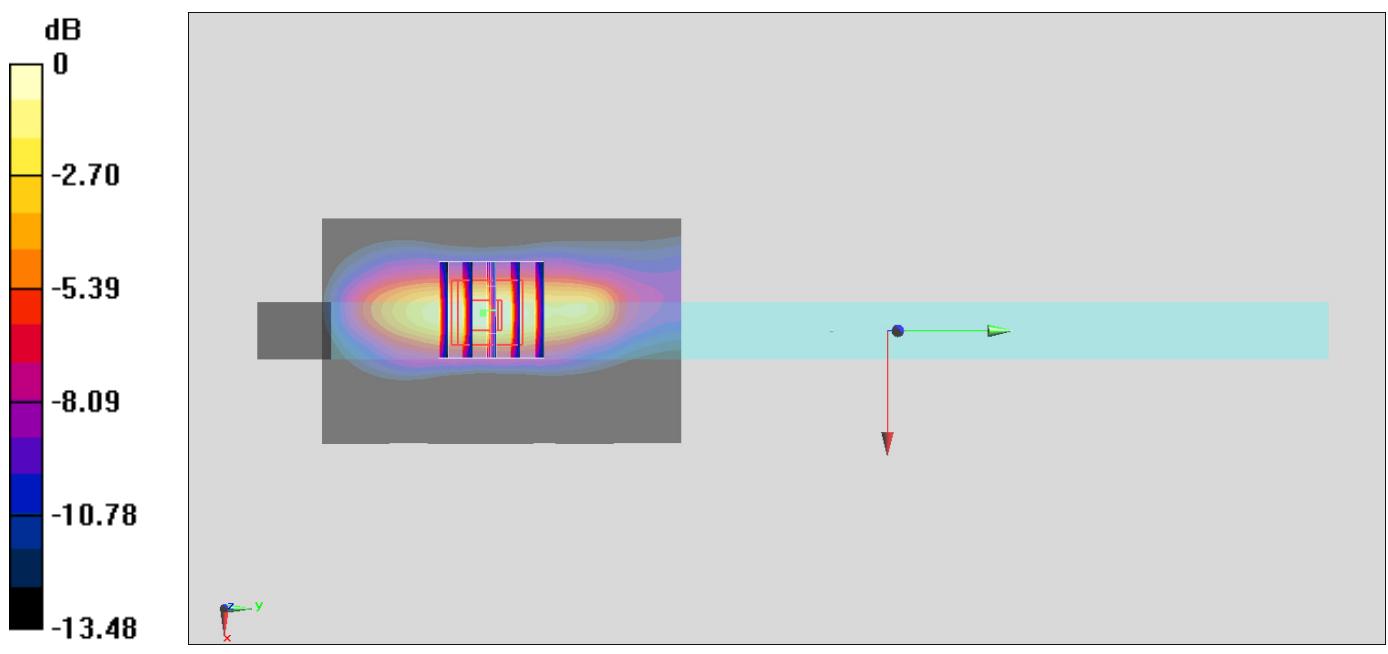
**Configuration/Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.052 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.54 W/kg

**SAR(1 g) = 1.25W/kg; SAR(10 g) = 0.672 W/kg**

Maximum value of SAR (measured) = 1.81 W/kg



## #08\_LTE Band 25\_20M\_QPSK\_50\_0\_Edge 1\_0mm\_Ch26590

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_160122 Medium parameters used:  $f = 1905 \text{ MHz}$ ;  $\sigma = 1.541 \text{ S/m}$ ;  $\epsilon_r = 53.671$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

### DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.78, 4.78, 4.78); Calibrated: 2015/9/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1490; Calibrated: 2015/9/14
- Phantom: ELI v4.0\_Front; Type: QDOVA001BB; Serial: TP:1029
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch26590/Area Scan (51x71x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.56 W/kg

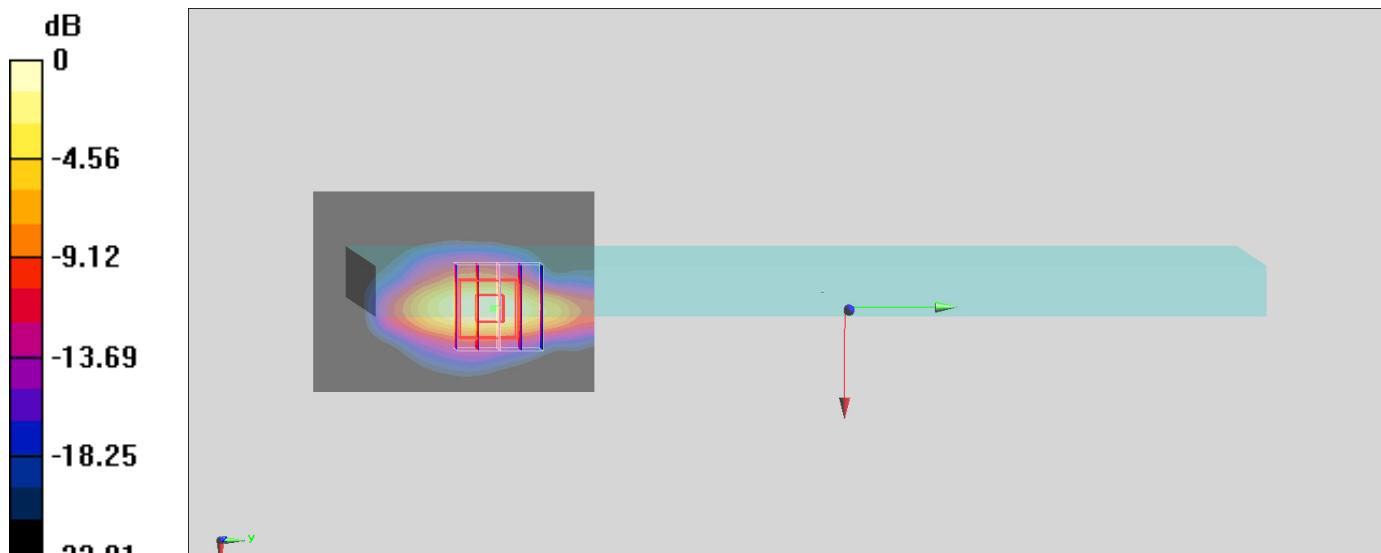
**Configuration/Ch26590/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 13.18 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.89 W/kg

**SAR(1 g) = 0.895 W/kg; SAR(10 g) = 0.402 W/kg**

Maximum value of SAR (measured) = 1.43 W/kg



## #09\_LTE Band 26\_15M\_QPSK\_75\_0\_Edge 1\_0mm\_Ch26865

Communication System: LTE; Frequency: 831.5 MHz; Duty Cycle: 1:1  
 Medium: MSL\_850\_160117 Medium parameters used:  $f = 831.5 \text{ MHz}$ ;  $\sigma = 0.987 \text{ mho/m}$ ;  $\epsilon_r = 57.494$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Ambient Temperature : 23.1 °C; Liquid Temperature : 22.1 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN3955; ConvF(10.08, 10.08, 10.08); Calibrated: 2015/11/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: ELI 4.0\_Right; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch26865/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.11 mW/g

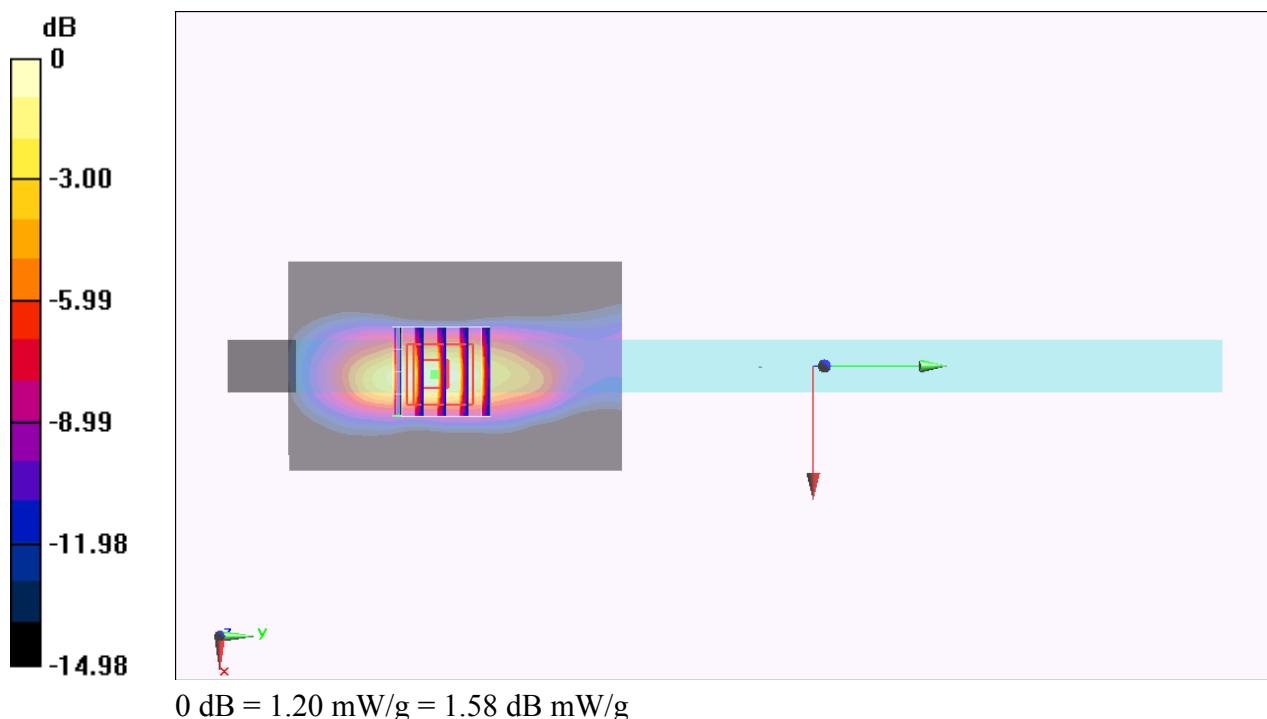
**Configuration/Ch26865/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.583 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.465 mW/g

**SAR(1 g) = 0.754 mW/g; SAR(10 g) = 0.394 mW/g**

Maximum value of SAR (measured) = 1.20 mW/g



## #10\_LTE Band 41\_20M\_QPSK\_1\_0\_Edge 1\_0mm\_Ch41490

Communication System: LTE; Frequency: 2680 MHz; Duty Cycle: 1:1.59  
 Medium: MSL\_2600\_160116 Medium parameters used:  $f = 2680 \text{ MHz}$ ;  $\sigma = 2.288 \text{ mho/m}$ ;  $\epsilon_r = 51.894$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Ambient Temperature : 23.0 °C; Liquid Temperature : 22.0 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN3955; ConvF(7.23, 7.23, 7.23); Calibrated: 2015/11/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: ELI 4.0\_Right; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch41490/Area Scan (51x101x1):** Measurement grid: dx=12mm, dy=12mm  
 Maximum value of SAR (interpolated) = 1.88 mW/g

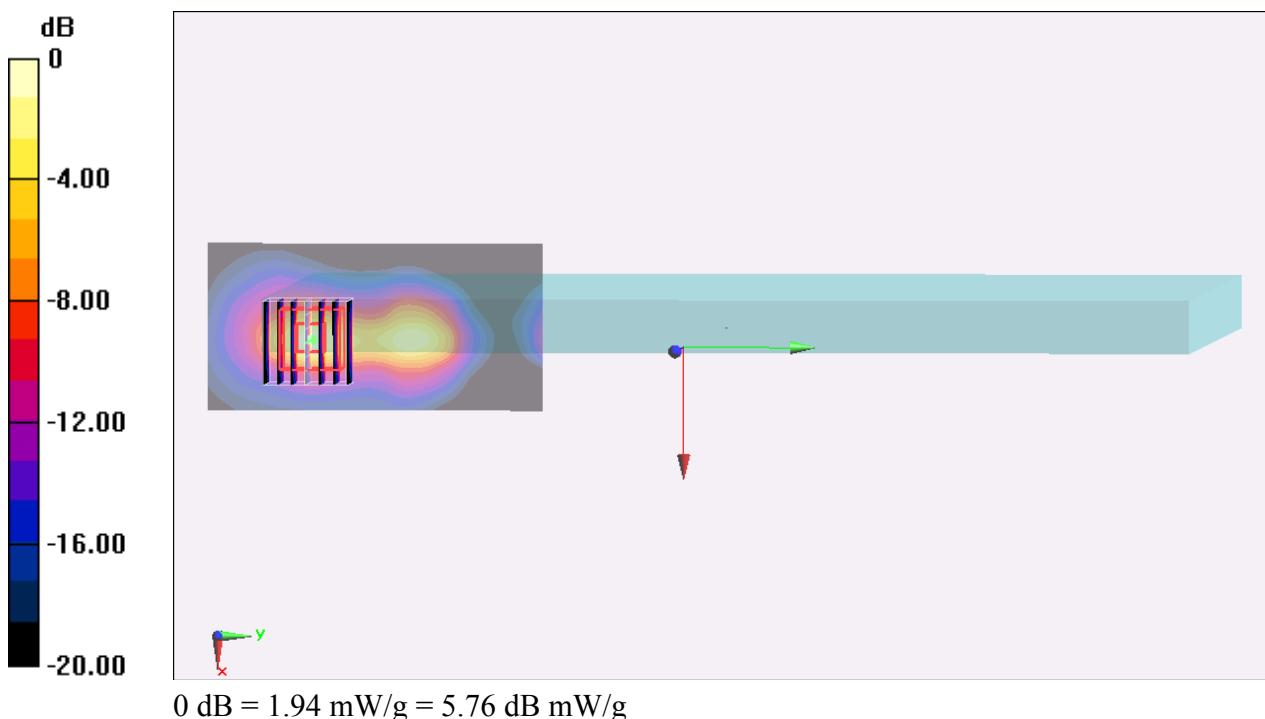
**Configuration/Ch41490/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.072 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 2.550 mW/g

**SAR(1 g) = 0.974 mW/g; SAR(10 g) = 0.347 mW/g**

Maximum value of SAR (measured) = 1.94 mW/g



## #11\_WLAN2.4GHz\_802.11b 1Mbps\_Bottom Face\_0mm\_Ch6;Ant 1

Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1.021  
 Medium: MSL\_2450\_160223 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.976 \text{ mho/m}$ ;  $\epsilon_r = 53.761$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(7.54, 7.54, 7.54); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: ELI 4.0\_Right; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch6/Area Scan (61x101x1):** Measurement grid: dx=12mm, dy=12mm  
 Maximum value of SAR (interpolated) = 0.955 mW/g

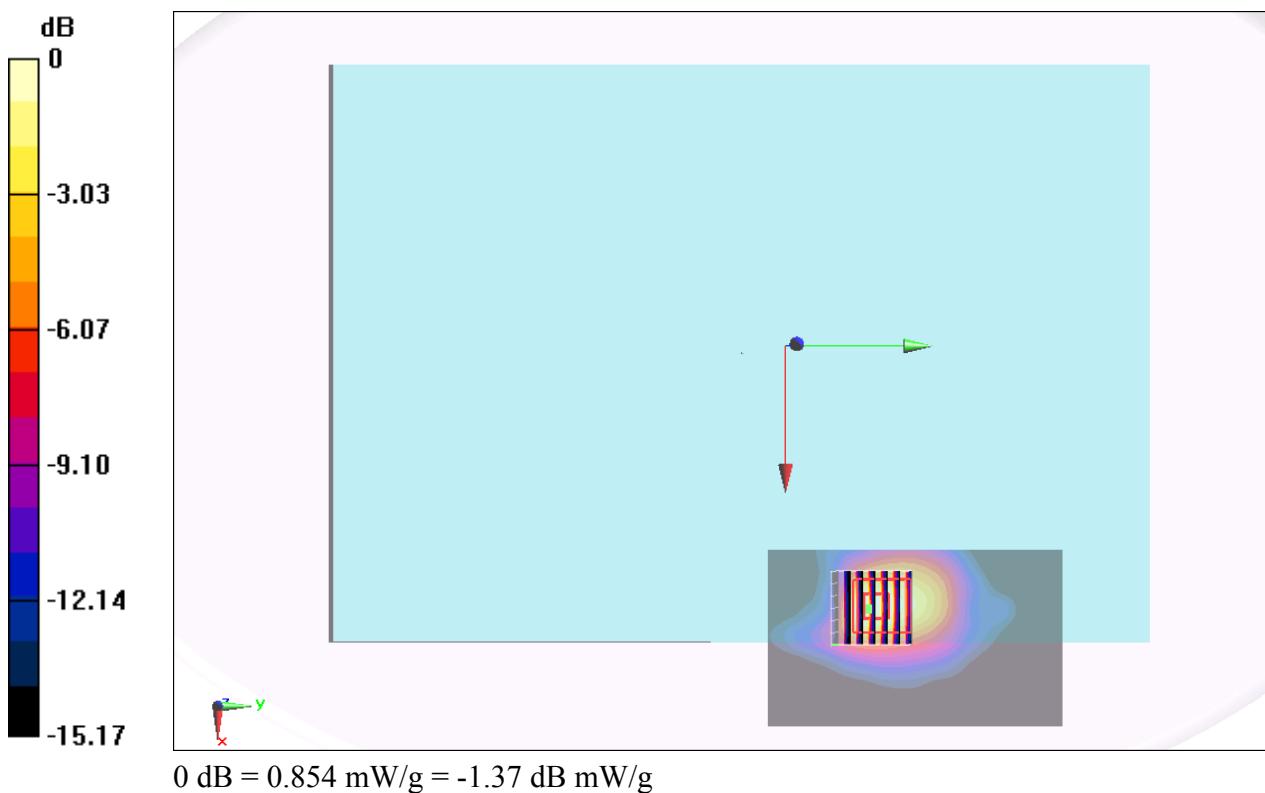
**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.296 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.100 mW/g

**SAR(1 g) = 0.523 mW/g; SAR(10 g) = 0.253 mW/g**

Maximum value of SAR (measured) = 0.854 mW/g



## #12\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Edge 1\_0mm\_Ch58;Ant 2

Communication System: 802.11ac ; Frequency: 5290 MHz; Duty Cycle: 1:1.02  
 Medium: MSL\_5G\_160223 Medium parameters used:  $f = 5290 \text{ MHz}$ ;  $\sigma = 5.528 \text{ mho/m}$ ;  $\epsilon_r = 46.951$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(4.43, 4.43, 4.43); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: ELI 4.0\_Right; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch58/Area Scan (81x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 1.99 mW/g

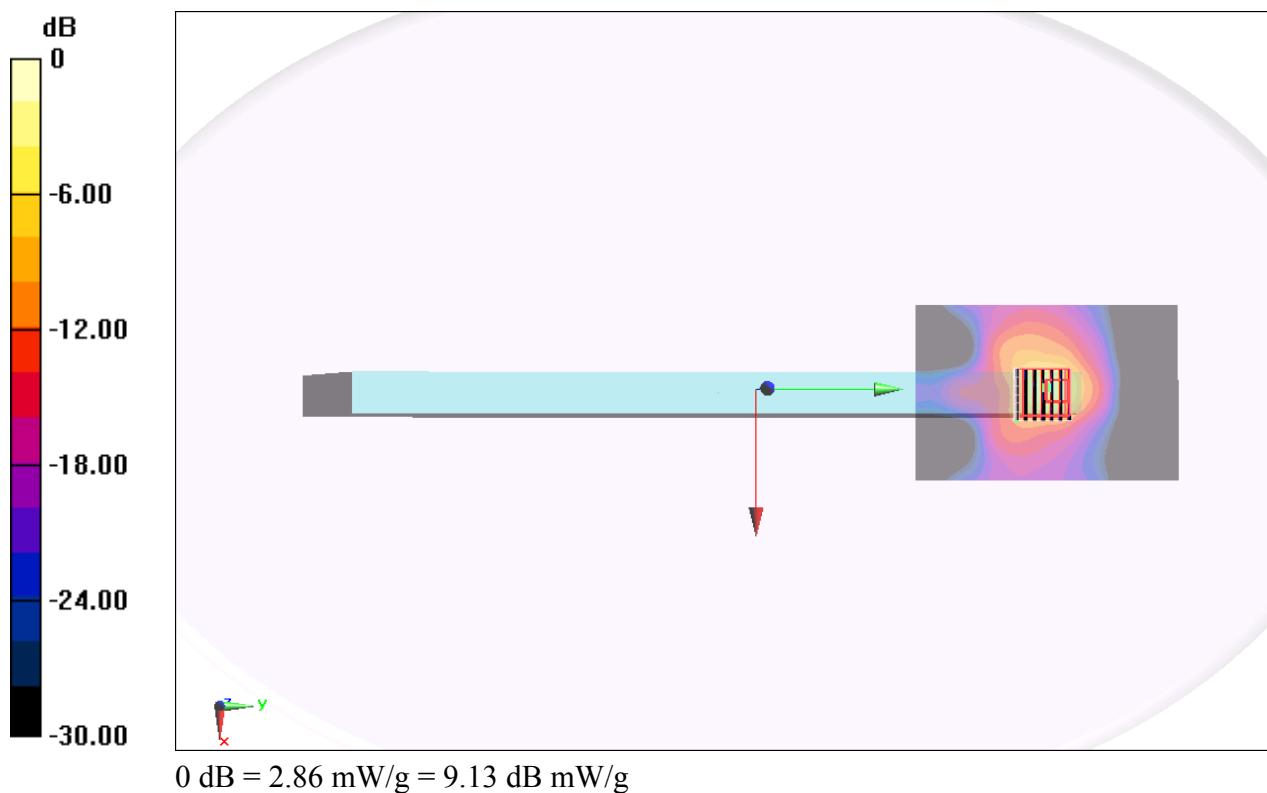
**Configuration/Ch58/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.092 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 5.401 mW/g

**SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.209 mW/g**

Maximum value of SAR (measured) = 2.86 mW/g



**#13\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Edge 1\_0mm\_Ch106;Ant 2**

Communication System: 802.11ac; Frequency: 5530 MHz; Duty Cycle: 1:1.02  
Medium: MSL\_5G\_160223 Medium parameters used:  $f = 5530$  MHz;  $\sigma = 5.821$  mho/m;  $\epsilon_r = 46.578$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(4.16, 4.16, 4.16); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: ELI 4.0\_Right; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch106/Area Scan (81x121x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 1.84 mW/g

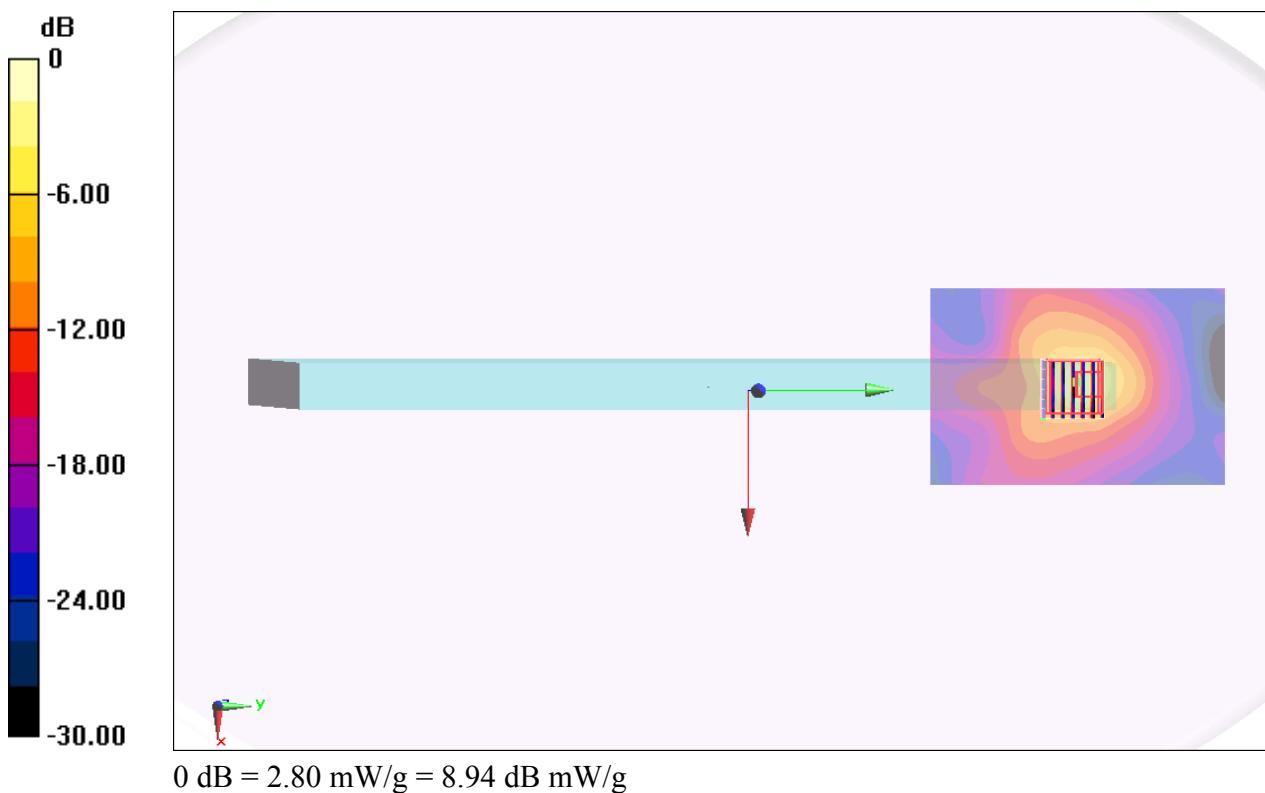
**Configuration/Ch106/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.253 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 5.386 mW/g

**SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.228 mW/g**

Maximum value of SAR (measured) = 2.80 mW/g



## #14\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Edge 1\_0mm\_Ch155;Ant 2

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1.02  
 Medium: MSL\_5G\_160223 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 6.141$  mho/m;  $\epsilon_r = 46.201$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(4.16, 4.16, 4.16); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: ELI 4.0\_Right; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

**Configuration/Ch155/Area Scan (81x121x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 1.57 mW/g

**Configuration/Ch155/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.545 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 4.572 mW/g

**SAR(1 g) = 0.857 mW/g; SAR(10 g) = 0.185 mW/g**

Maximum value of SAR (measured) = 2.43 mW/g

