

### #01\_GSM850\_GPRS (2 Tx slots)\_Bottom Face\_0.8cm\_Ch251

Communication System: GSM850 ; Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium: MSL\_850\_141016 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.977$  S/m;  $\epsilon_r = 54.346$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration

- Probe: ES3DV3 - SN3270; ConvF(6.15, 6.15, 6.15); Calibrated: 2014/9/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2014/8/21
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Configuration/Ch251/Area Scan (81x41x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.17 W/kg

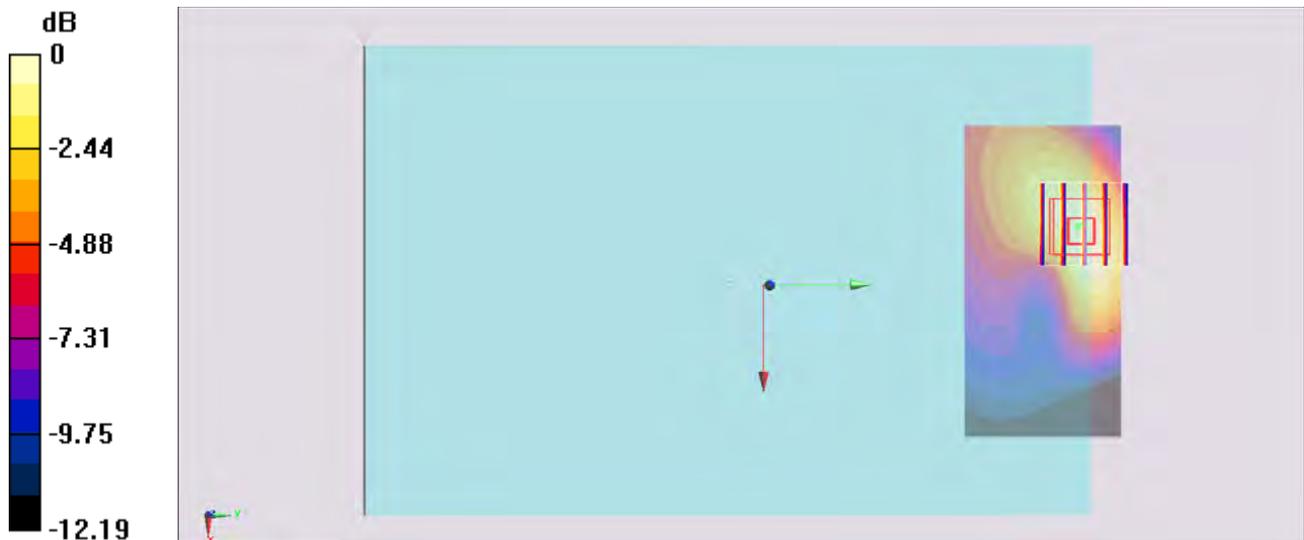
**Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.209 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.46 W/kg

**SAR(1 g) = 0.969 W/kg; SAR(10 g) = 0.616 W/kg**

Maximum value of SAR (measured) = 1.13 W/kg



0 dB = 1.13 W/kg = 0.53 dBW/kg

## #02\_GSM1900\_GPRS (2 Tx slots)\_Bottom Face\_0cm\_Ch810

Communication System: PCS ; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15

Medium: MSL\_1900\_141015 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.554$  S/m;  $\epsilon_r = 51.552$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.2 °C

### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(7.8, 7.8, 7.8); Calibrated: 2014/9/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2014/2/17
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Configuration/Ch810/Area Scan (81x41x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 1.40 W/kg

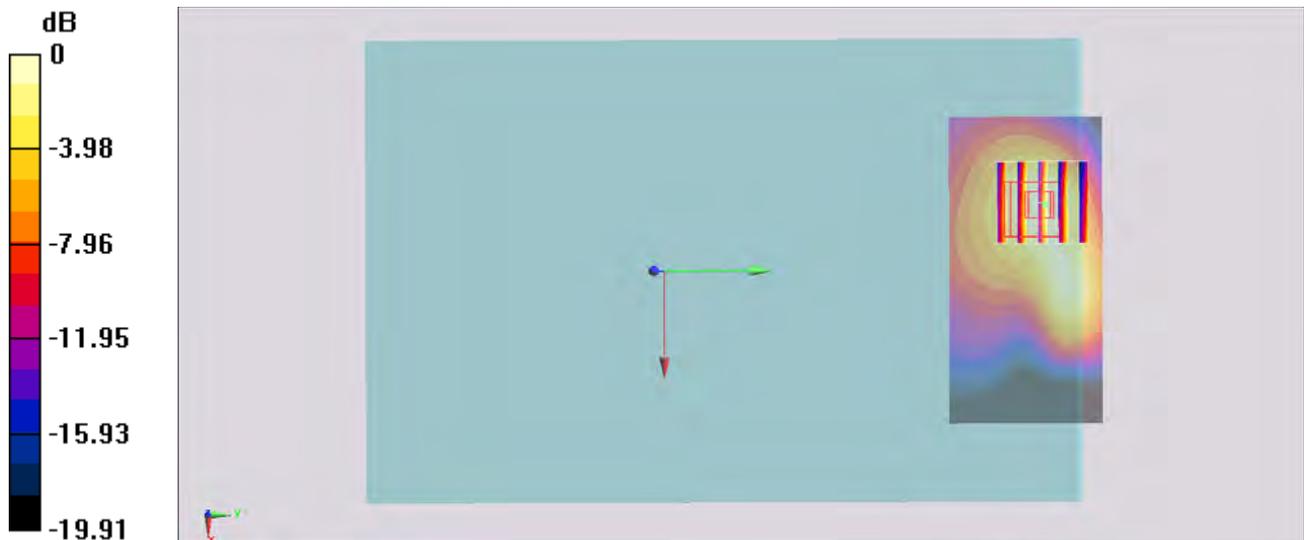
**Configuration/Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.991 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.76 W/kg

**SAR(1 g) = 0.991 W/kg; SAR(10 g) = 0.541 W/kg**

Maximum value of SAR (measured) = 1.35 W/kg



0 dB = 1.35 W/kg = 1.30 dBW/kg

### #03\_WCDMA V\_RMC 12.2Kbps\_Bottom Face\_0cm\_Ch4233

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

Medium: MSL\_850\_141016 Medium parameters used:  $f = 847 \text{ MHz}$ ;  $\sigma = 0.976 \text{ S/m}$ ;  $\epsilon_r = 54.365$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.6 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.6 \text{ }^\circ\text{C}$

#### DASY5 Configuration

- Probe: ES3DV3 - SN3270; ConvF(6.15, 6.15, 6.15); Calibrated: 2014/9/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2014/8/21
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Configuration/Ch4233/Area Scan (81x41x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Maximum value of SAR (interpolated) =  $1.27 \text{ W/kg}$

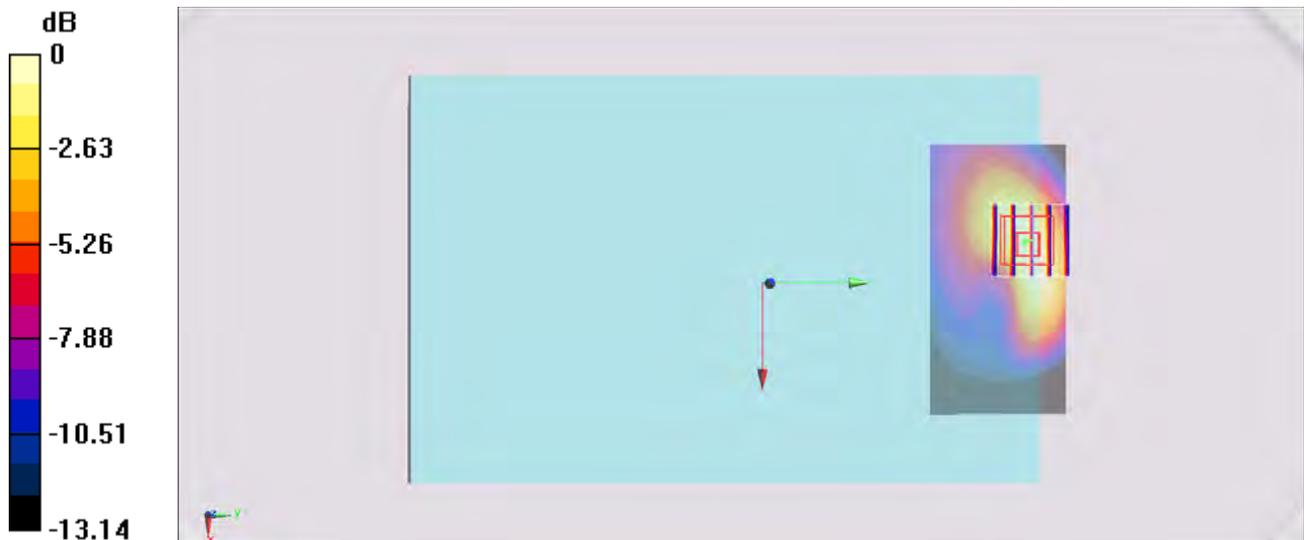
**Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $37.070 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$

Peak SAR (extrapolated) =  $1.72 \text{ W/kg}$

**SAR(1 g) =  $1.04 \text{ W/kg}$ ; SAR(10 g) =  $0.622 \text{ W/kg}$**

Maximum value of SAR (measured) =  $1.27 \text{ W/kg}$



0 dB =  $1.27 \text{ W/kg} = 1.04 \text{ dBW/kg}$

### #04\_WCDMA IV\_RMC 12.2Kbps\_Edge 2\_0.8cm\_Ch1513

Communication System: WCDMA ; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_141015 Medium parameters used:  $f = 1753 \text{ MHz}$ ;  $\sigma = 1.513 \text{ S/m}$ ;  $\epsilon_r = 52.091$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.2 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.2 \text{ }^\circ\text{C}$

#### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(8.26, 8.26, 8.26); Calibrated: 2014/9/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2014/2/17
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Configuration/Ch1513/Area Scan (41x81x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Maximum value of SAR (interpolated) =  $1.16 \text{ W/kg}$

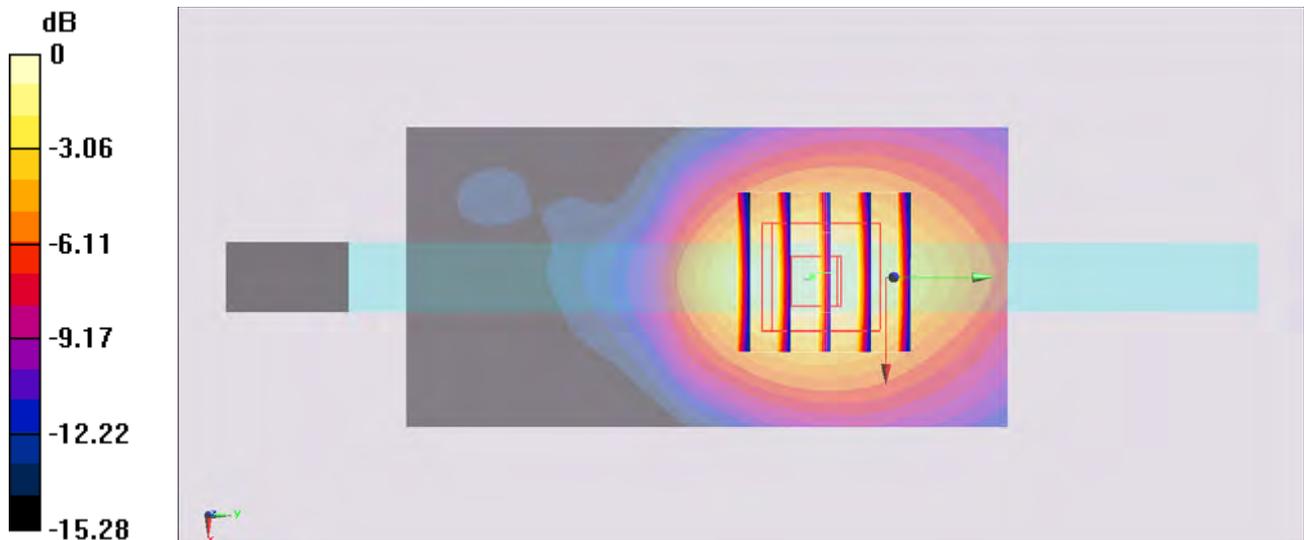
**Configuration/Ch1513/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $26.770 \text{ V/m}$ ; Power Drift =  $-0.01 \text{ dB}$

Peak SAR (extrapolated) =  $1.32 \text{ W/kg}$

**SAR(1 g) =  $0.840 \text{ W/kg}$ ; SAR(10 g) =  $0.497 \text{ W/kg}$**

Maximum value of SAR (measured) =  $1.10 \text{ W/kg}$



$0 \text{ dB} = 1.10 \text{ W/kg} = 0.41 \text{ dBW/kg}$

### #05\_WCDMA II\_RMC 12.2Kbps\_Edge 2\_0.8cm\_Ch9538

Communication System: WCDMA ; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_141015 Medium parameters used:  $f = 1908 \text{ MHz}$ ;  $\sigma = 1.551 \text{ S/m}$ ;  $\epsilon_r = 51.561$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.2 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.2 \text{ }^\circ\text{C}$

#### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(7.8, 7.8, 7.8); Calibrated: 2014/9/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2014/2/17
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Configuration/Ch9538/Area Scan (41x81x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Maximum value of SAR (interpolated) =  $1.47 \text{ W/kg}$

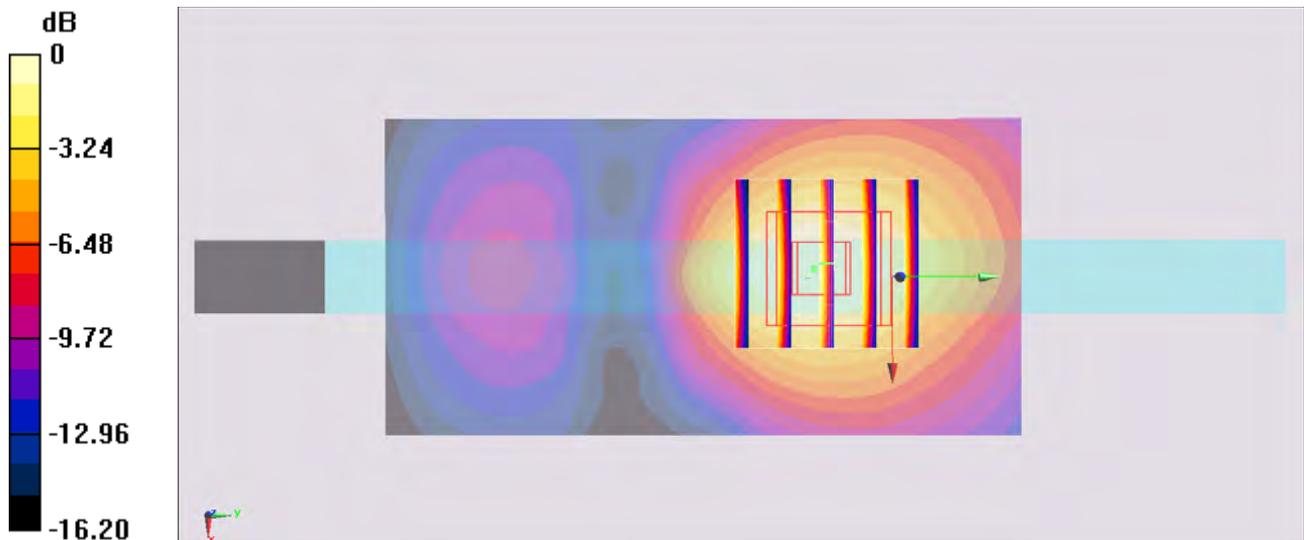
**Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $28.681 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$

Peak SAR (extrapolated) =  $1.60 \text{ W/kg}$

**SAR(1 g) =  $0.999 \text{ W/kg}$ ; SAR(10 g) =  $0.583 \text{ W/kg}$**

Maximum value of SAR (measured) =  $1.32 \text{ W/kg}$



0 dB =  $1.32 \text{ W/kg} = 1.21 \text{ dBW/kg}$

**#06\_WLAN2.4GHz\_802.11b 1Mbps\_Bottom Face\_0cm\_Ch6;Ant B**

Communication System: 802.11b ; Frequency: 2437 MHz;Duty Cycle: 1:1.01

Medium: MSL\_2450\_141017 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.914$  S/m;  $\epsilon_r = 53.592$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3270; ConvF(4.29, 4.29, 4.29); Calibrated: 2014/9/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2014/8/21
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Configuration/Ch6/Area Scan (41x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
 Maximum value of SAR (interpolated) = 1.02 W/kg

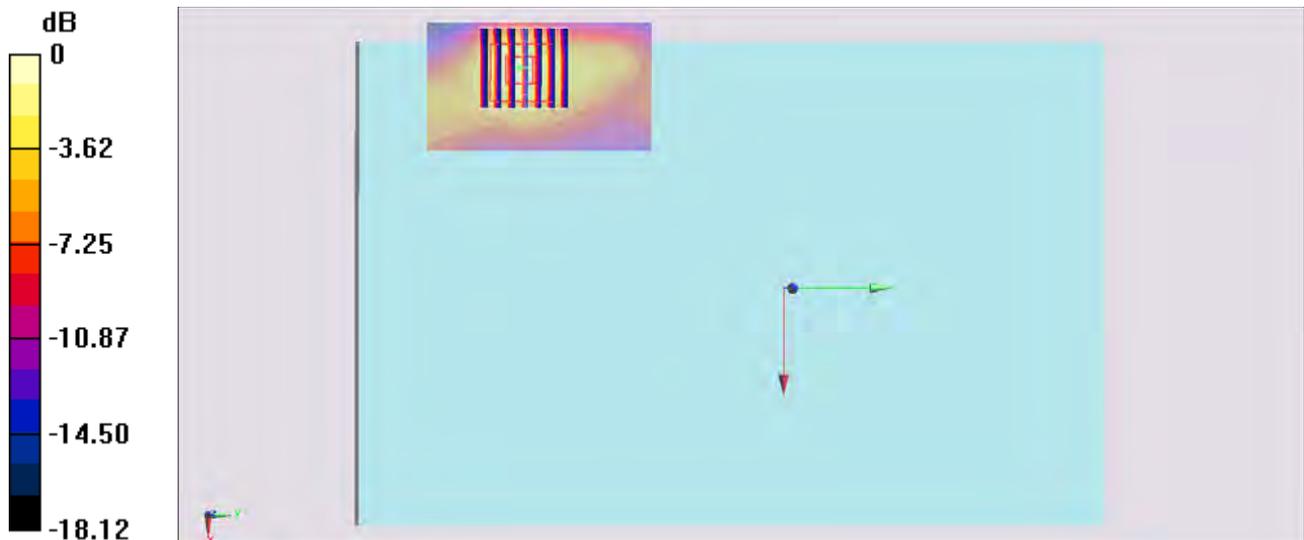
**Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.916 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.73 W/kg

**SAR(1 g) = 0.749 W/kg; SAR(10 g) = 0.336 W/kg**

Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg = 0.04 dBW/kg

### #07\_WLAN5GHz\_802.11a 6Mbps\_Edge 3\_0cm\_Ch40;Ant B

Communication System: 802.11a ; Frequency: 5200 MHz;Duty Cycle: 1:1.048

Medium: MSL\_5G\_141018 Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.257$  S/m;  $\epsilon_r = 47.536$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration

- Probe: EX3DV4 - SN3954; ConvF(4.52, 4.52, 4.52); Calibrated: 2013/11/4;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Configuration/Ch40/Area Scan (51x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
 Maximum value of SAR (interpolated) = 2.49 W/kg

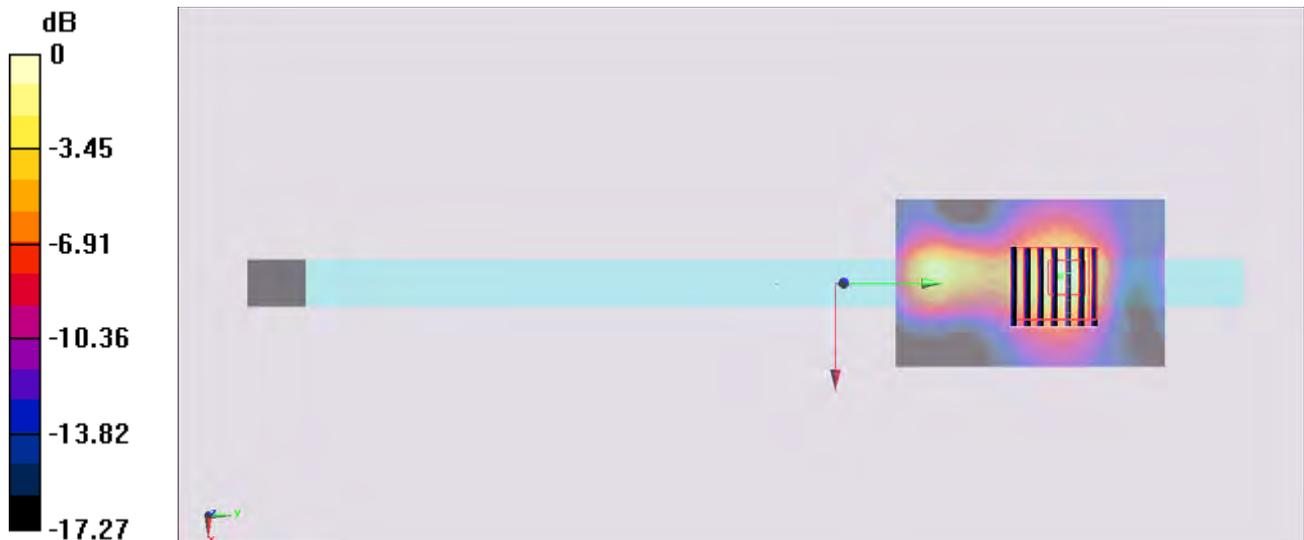
**Configuration/Ch40/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 22.787 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 4.24 W/kg

**SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.336 W/kg**

Maximum value of SAR (measured) = 2.51 W/kg



0 dB = 2.51 W/kg = 4.00 dBW/kg

### #08\_WLAN5GHz\_802.11a 6Mbps\_Edge 3\_0cm\_Ch56;Ant B

Communication System: 802.11a ; Frequency: 5280 MHz;Duty Cycle: 1:1.048

Medium: MSL\_5G\_141022 Medium parameters used:  $f = 5280 \text{ MHz}$ ;  $\sigma = 5.352 \text{ S/m}$ ;  $\epsilon_r = 47.317$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.3 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.3 \text{ }^\circ\text{C}$

#### DASY5 Configuration

- Probe: EX3DV4 - SN3954; ConvF(4.28, 4.28, 4.28); Calibrated: 2013/11/4;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Configuration/Ch56/Area Scan (51x81x1):** Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$   
 Maximum value of SAR (interpolated) =  $2.01 \text{ W/kg}$

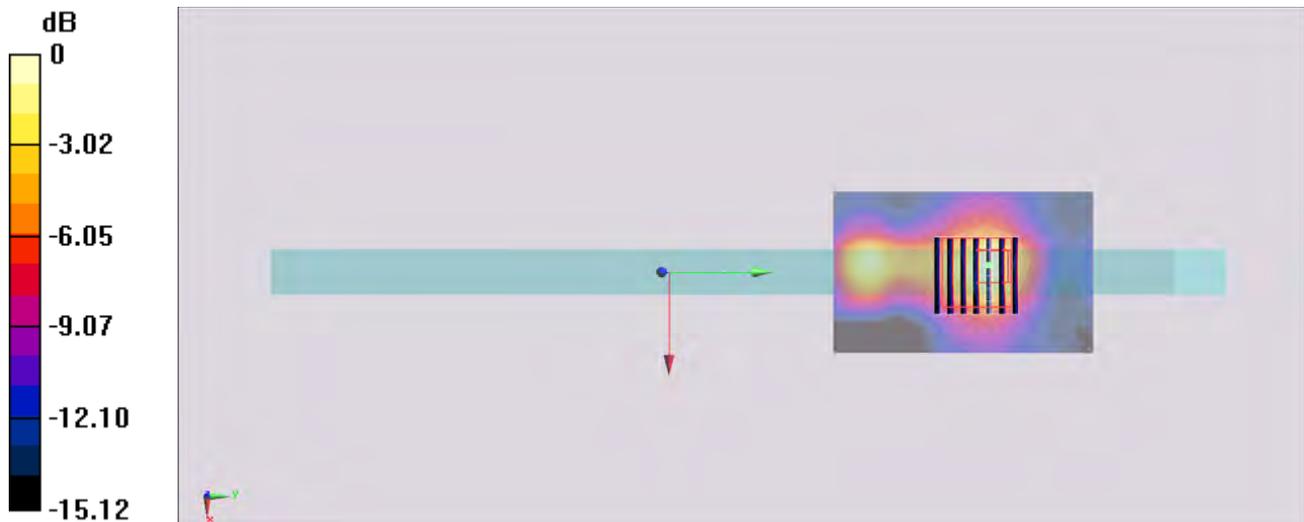
**Configuration/Ch56/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$

Reference Value =  $20.282 \text{ V/m}$ ; Power Drift =  $-0.11 \text{ dB}$

Peak SAR (extrapolated) =  $3.36 \text{ W/kg}$

**SAR(1 g) =  $0.845 \text{ W/kg}$ ; SAR(10 g) =  $0.267 \text{ W/kg}$**

Maximum value of SAR (measured) =  $1.96 \text{ W/kg}$



0 dB =  $1.96 \text{ W/kg}$  =  $2.92 \text{ dBW/kg}$

**#09\_WLAN5GHz\_802.11a 6Mbps\_Edge 3\_0cm\_Ch132;Ant B**

Communication System: 802.11a ; Frequency: 5660 MHz;Duty Cycle: 1:1.048

Medium: MSL\_5G\_141027 Medium parameters used:  $f = 5660 \text{ MHz}$ ;  $\sigma = 5.823 \text{ S/m}$ ;  $\epsilon_r = 49.775$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.5 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.5 \text{ }^\circ\text{C}$

**DASY5 Configuration**

- Probe: EX3DV4 - SN3954; ConvF(3.97, 3.97, 3.97); Calibrated: 2013/11/4;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Configuration/Ch132/Area Scan (51x81x1):** Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$   
 Maximum value of SAR (interpolated) =  $2.77 \text{ W/kg}$

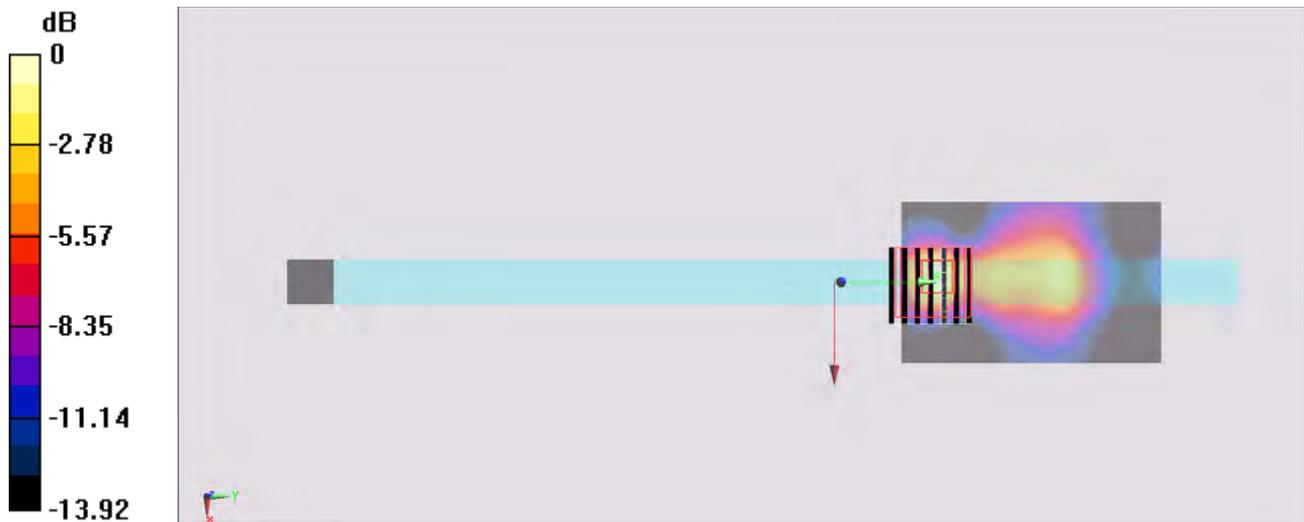
**Configuration/Ch132/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$

Reference Value =  $22.850 \text{ V/m}$ ; Power Drift =  $-0.10 \text{ dB}$

Peak SAR (extrapolated) =  $5.77 \text{ W/kg}$

**SAR(1 g) =  $1.15 \text{ W/kg}$ ; SAR(10 g) =  $0.279 \text{ W/kg}$**

Maximum value of SAR (measured) =  $2.95 \text{ W/kg}$



0 dB =  $2.95 \text{ W/kg}$  =  $4.70 \text{ dBW/kg}$

## #10\_WLAN5GHz\_802.11a 6Mbps\_Edge 3\_0cm\_Ch161;Ant B

Communication System: 802.11a ; Frequency: 5805 MHz;Duty Cycle: 1:1.048

Medium: MSL\_5G\_141029 Medium parameters used:  $f = 5805$  MHz;  $\sigma = 5.968$  S/m;  $\epsilon_r = 46.462$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

### DASY5 Configuration

- Probe: EX3DV4 - SN3954; ConvF(4.08, 4.08, 4.08); Calibrated: 2013/11/4;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1173
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Configuration/Ch161/Area Scan (51x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
 Maximum value of SAR (interpolated) = 2.47 W/kg

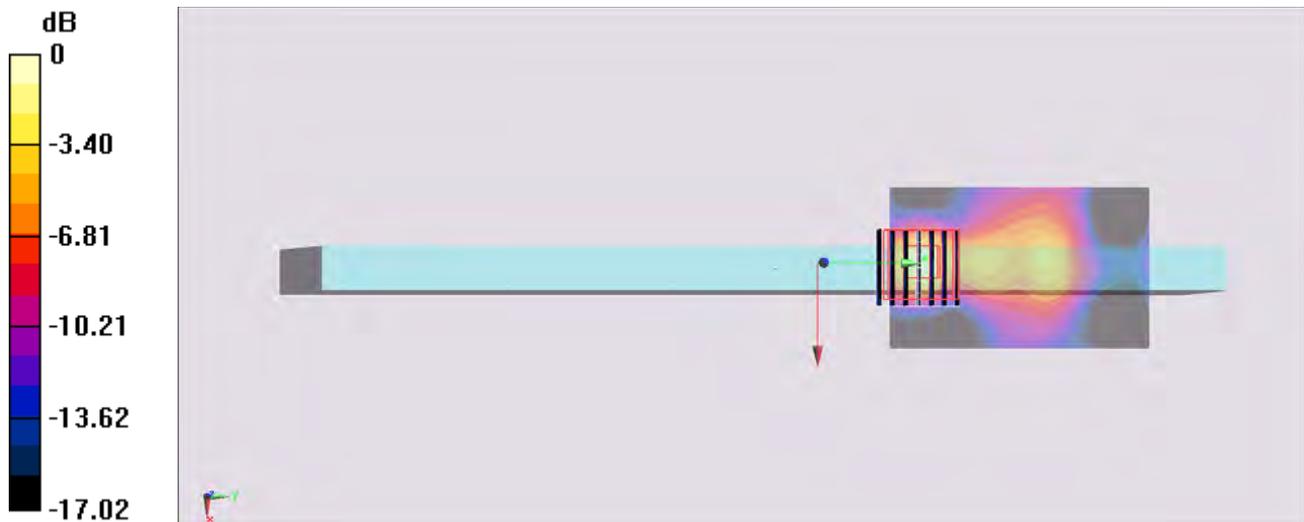
**Configuration/Ch161/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 21.962 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 4.55 W/kg

**SAR(1 g) = 0.979 W/kg; SAR(10 g) = 0.232 W/kg**

Maximum value of SAR (measured) = 2.58 W/kg



0 dB = 2.58 W/kg = 4.12 dBW/kg