

**21\_CDMA2000 BC0\_RTAP153.6Kbps\_Back\_5mm\_Ch777**

Communication System: UID 0, CDMA2000 (0); Frequency: 848.31 MHz; Duty Cycle: 1:1  
Medium: MSL\_835 Medium parameters used :  $f = 848.31$  MHz;  $\sigma = 0.985$  S/m;  $\epsilon_r = 55.029$ ;  
 $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $23.5^\circ\text{C}$ ; Liquid Temperature :  $22.8^\circ\text{C}$

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(10.02, 10.02, 10.02); Calibrated: 2018.1.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch777/Area Scan (61x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) =  $0.741$  W/kg

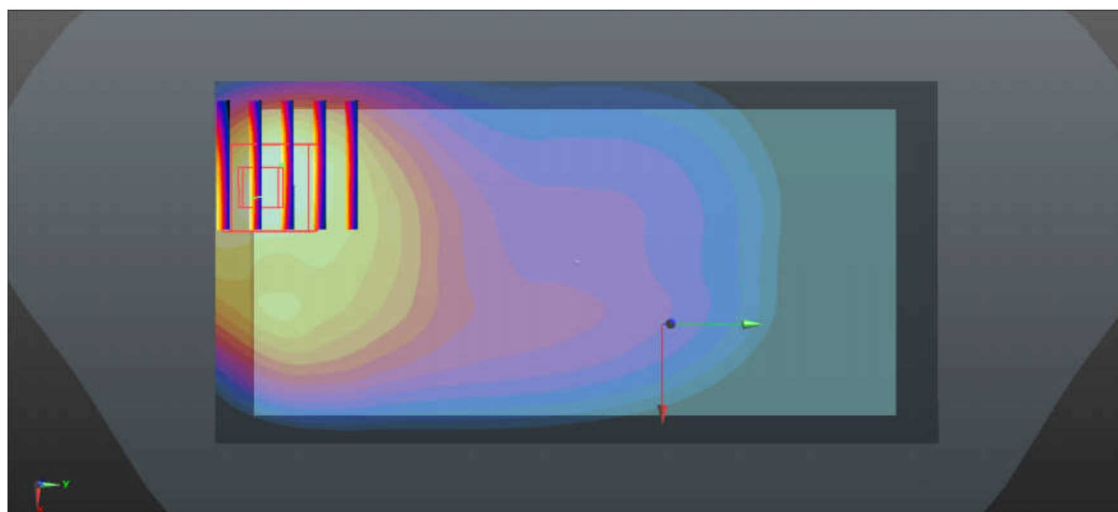
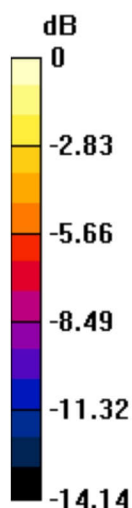
**Ch777/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $10.08$  V/m; Power Drift =  $0.10$  dB

Peak SAR (extrapolated) =  $1.18$  W/kg

**SAR(1 g) =  $0.595$  W/kg; SAR(10 g) =  $0.324$  W/kg**

Maximum value of SAR (measured) =  $0.887$  W/kg



$0 \text{ dB} = 0.741 \text{ W/kg} = -1.30 \text{ dBW/kg}$

**22\_CDMA2000 BC1\_RTAP153.6Kbps\_Bottom Side\_5mm\_Ch25**

Communication System: UID 0, CDMA2000 (0); Frequency: 1851.25 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900 Medium parameters used:  $f = 1851.25$  MHz;  $\sigma = 1.446$  S/m;  $\epsilon_r = 52.956$ ;

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

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.03, 8.03, 8.03); Calibrated: 2018.1.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch25/Area Scan (31x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.986 W/kg

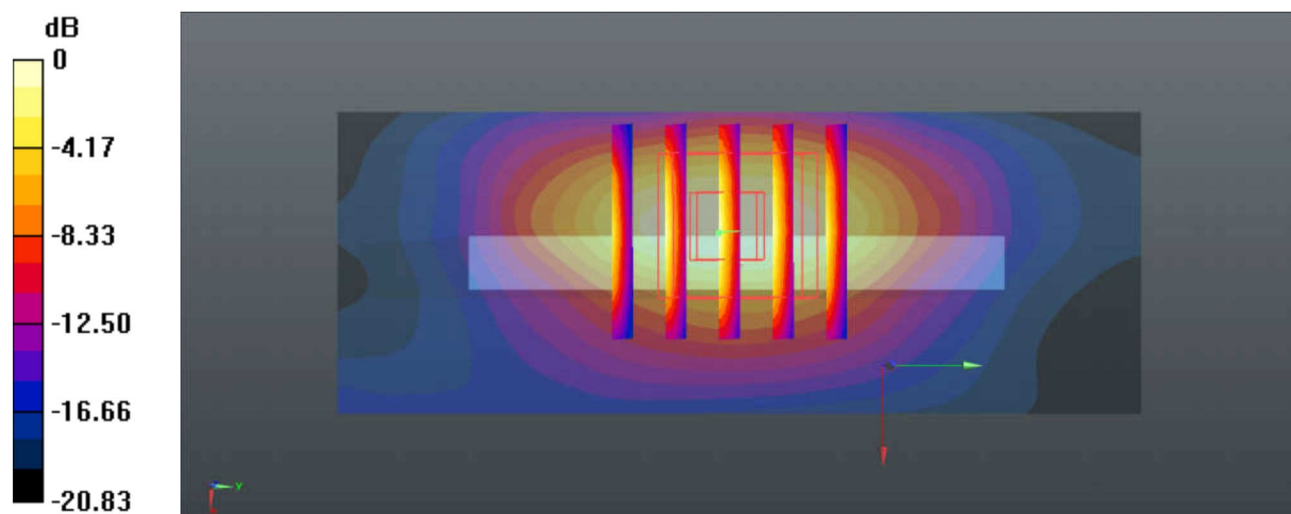
**Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.69 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.17 W/kg

**SAR(1 g) = 0.682 W/kg; SAR(10 g) = 0.349 W/kg**

Maximum value of SAR (measured) = 0.956 W/kg



0 dB = 0.986 W/kg = -0.06 dBW/kg

**23\_LTE Band 13\_10M\_QPSK\_1RB\_0Offset\_Back\_5mm\_Ch23230**

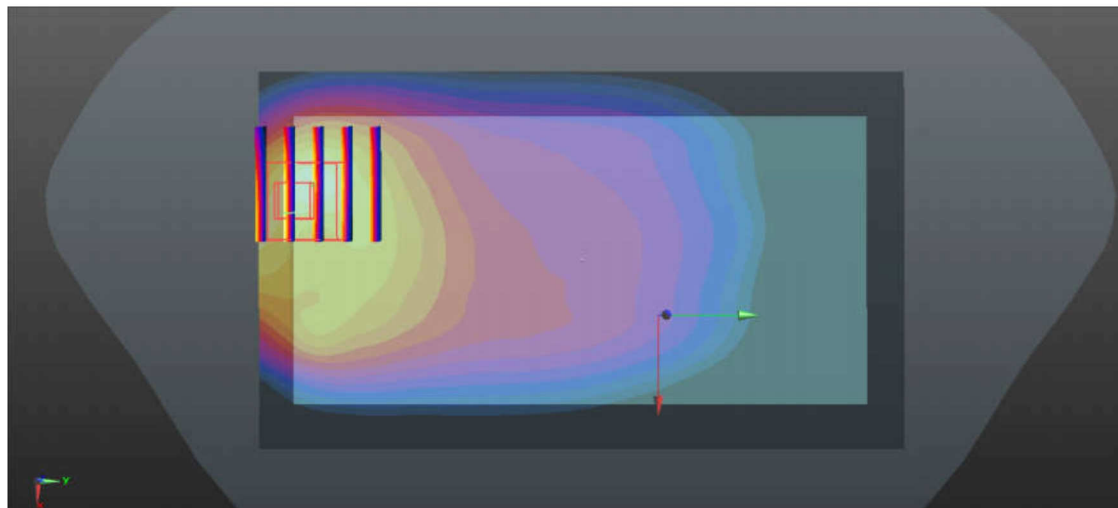
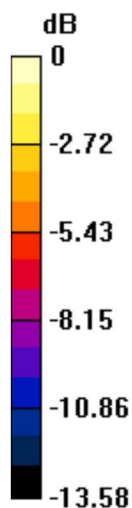
Communication System: UID 0, FDD\_LTE (0); Frequency: 782 MHz; Duty Cycle: 1:1  
Medium: MSL\_835 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.92 \text{ S/m}$ ;  $\epsilon_r = 55.684$ ;  
 $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $23.5^\circ\text{C}$ ; Liquid Temperature :  $22.8^\circ\text{C}$

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(10.21, 10.21, 10.21); Calibrated: 2018.1.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch23230/Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) =  $0.967 \text{ W/kg}$

**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value =  $13.91 \text{ V/m}$ ; Power Drift =  $0.03 \text{ dB}$   
Peak SAR (extrapolated) =  $1.45 \text{ W/kg}$   
**SAR(1 g) =  $0.722 \text{ W/kg}$ ; SAR(10 g) =  $0.392 \text{ W/kg}$**   
Maximum value of SAR (measured) =  $1.07 \text{ W/kg}$



0 dB =  $0.967 \text{ W/kg} = -0.15 \text{ dBW/kg}$

**24\_LTE Band 5\_10M\_QPSK\_1RB\_25Offset\_Back\_5mm\_Ch20525**

Communication System: UID 0, FDD\_LTE (0); Frequency: 836.5 MHz; Duty Cycle: 1:1  
Medium: MSL\_835 Medium parameters used :  $f = 836.5$  MHz;  $\sigma = 0.974$  S/m;  $\epsilon_r = 55.148$ ;

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

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.02, 10.02, 10.02); Calibrated: 2018.1.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch20525/Area Scan (61x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.26 W/kg

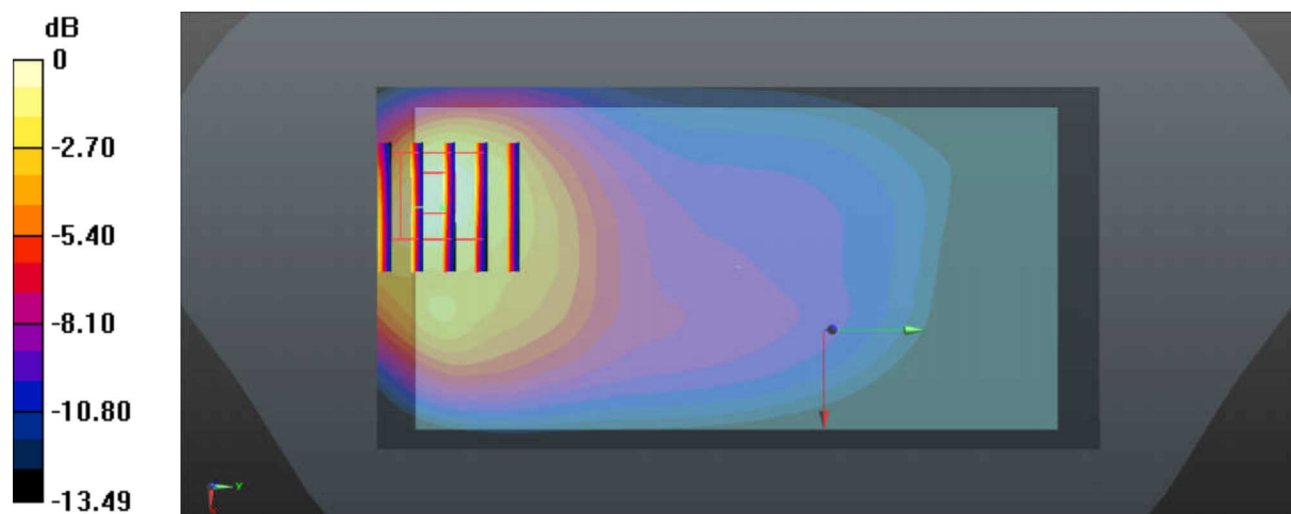
**Ch20525/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.17 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.78 W/kg

**SAR(1 g) = 0.926 W/kg; SAR(10 g) = 0.506 W/kg**

Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.26 W/kg = 1.00 dBW/kg

**25\_LTE Band 66\_20M\_QPSK\_50RB\_0Offset\_Bottom Side\_5mm\_Ch132322**

Communication System: UID 0, FDD\_LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
Medium: MSL\_1750 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.438$  S/m;  $\epsilon_r = 54.711$ ;

$\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.31, 8.31, 8.31); Calibrated: 2018.1.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch132322/Area Scan (31x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.41 W/kg

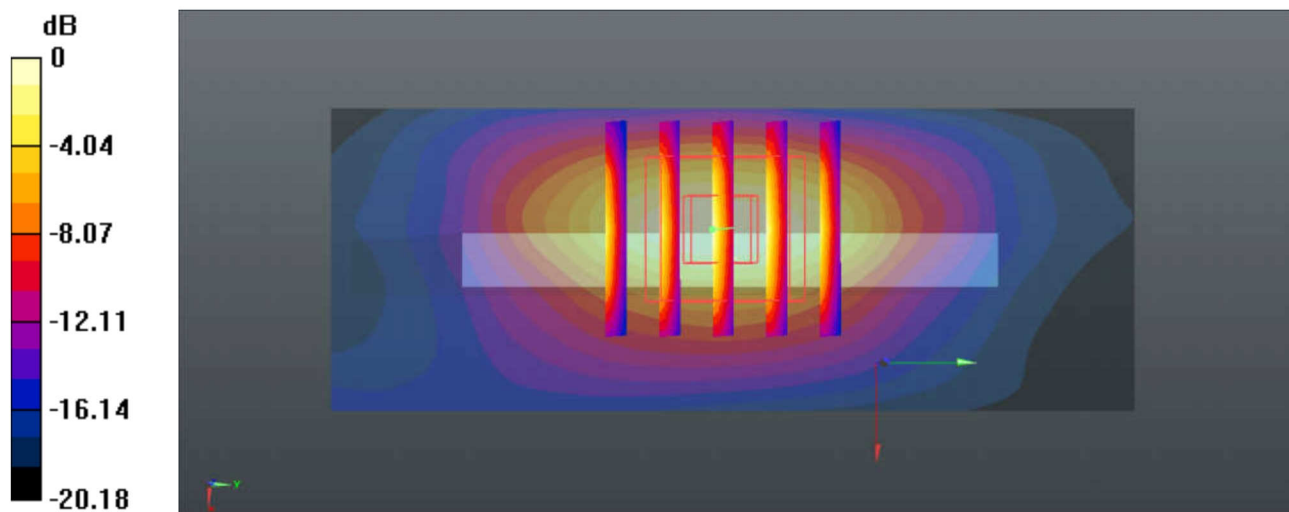
**Ch132322/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 27.80 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.67 W/kg

**SAR(1 g) = 0.975 W/kg; SAR(10 g) = 0.501 W/kg**

Maximum value of SAR (measured) = 1.36 W/kg



0 dB = 1.41 W/kg = 1.49 dBW/kg



**26\_LTE Band 2\_20M\_QPSK\_1RB\_0Offset\_Bottom Side\_5mm\_Ch18700**

Communication System: UID 0, FDD\_LTE (0); Frequency: 1860 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.458$  S/m;  $\epsilon_r = 52.922$ ;

$\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.03, 8.03, 8.03); Calibrated: 2018.1.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch18700/Area Scan (41x71x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.10 W/kg

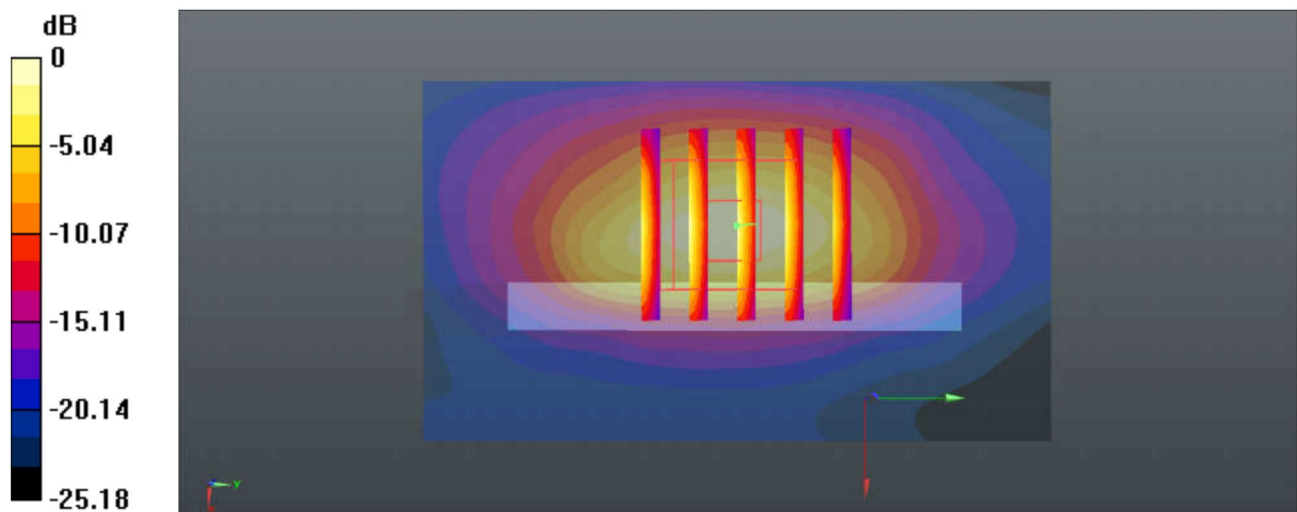
**Ch18700/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.99 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.13 W/kg

**SAR(1 g) = 0.667 W/kg; SAR(10 g) = 0.343 W/kg**

Maximum value of SAR (measured) = 0.926 W/kg



0 dB = 1.10 W/kg = 0.41 dBW/kg

**27\_LTE Band 7\_20M\_QPSK\_50RB\_0Offset\_Back\_5mm\_Ch20850**

Communication System: UID 0, FDD\_LTE (0); Frequency: 2510 MHz; Duty Cycle: 1:1  
Medium: MSL\_2600 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.061$  S/m;  $\epsilon_r = 53.228$ ;

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

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(6.92, 6.92, 6.92); Calibrated: 2018.1.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch20850/Area Scan (91x151x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.877 W/kg

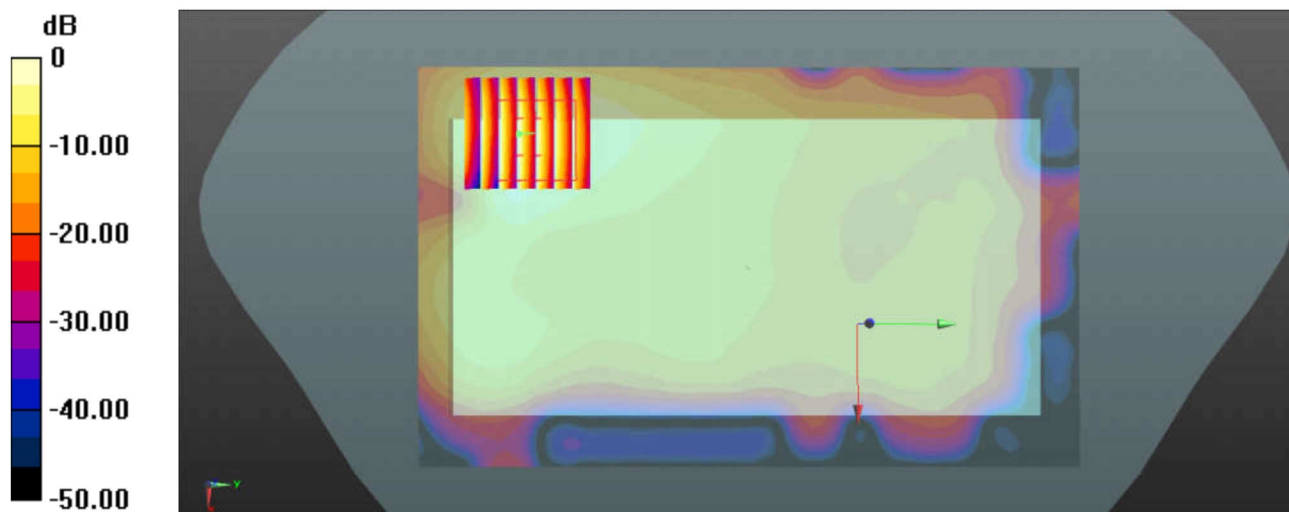
**Ch20850/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.977 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.521 W/kg; SAR(10 g) = 0.255 W/kg**

Maximum value of SAR (measured) = 0.775 W/kg



0 dB = 0.877 W/kg = -0.57 dBW/kg

**28\_WLAN2.4GHz\_802.11b 1Mbps\_Back\_5mm\_Ch11**

Communication System: UID 0, WIFI (0); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: MSL\_2450 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.993$  S/m;  $\epsilon_r = 53.398$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(7.53, 7.53, 7.53); Calibrated: 2018.1.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch11/Area Scan (91x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.674 W/kg

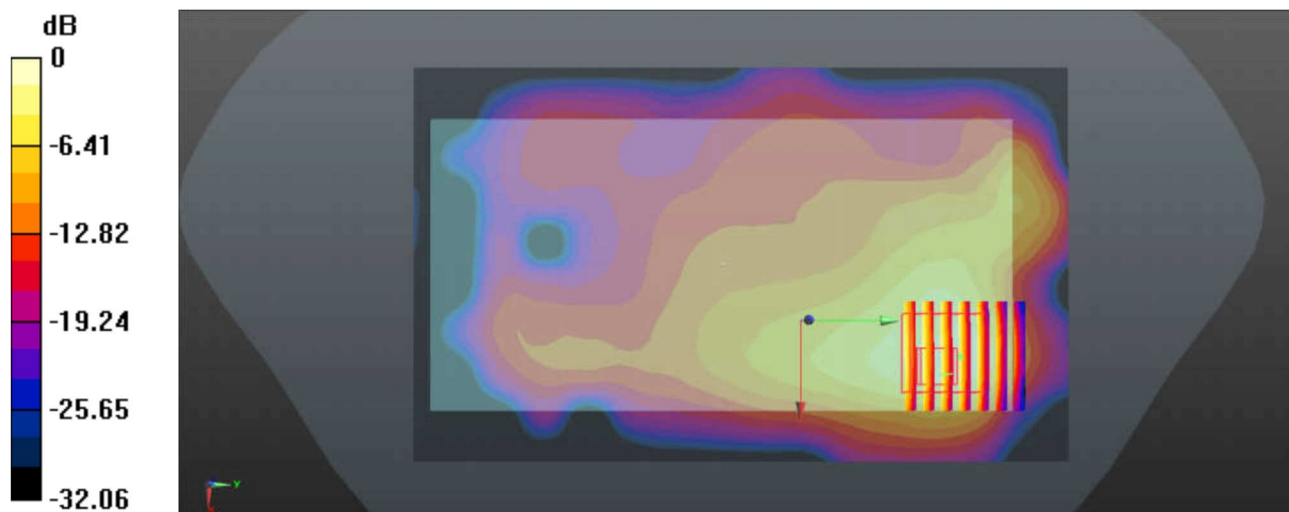
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.973 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.729 W/kg

**SAR(1 g) = 0.350 W/kg; SAR(10 g) = 0.181 W/kg**

Maximum value of SAR (measured) = 0.523 W/kg



0 dB = 0.674 W/kg = -1.71 dBW/kg



**29\_WLAN5.2GHz\_802.11a 6Mbps\_Left Side\_5mm\_Ch40**

Communication System: UID 0, WIFI (0); Frequency: 5200 MHz; Duty Cycle: 1:1.018  
Medium: MSL\_5000 Medium parameters used:  $f = 5200$  MHz;  $\sigma = 5.438$  S/m;  $\epsilon_r = 48.043$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(4.62, 4.62, 4.62); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch40/Area Scan (61x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.99 W/kg

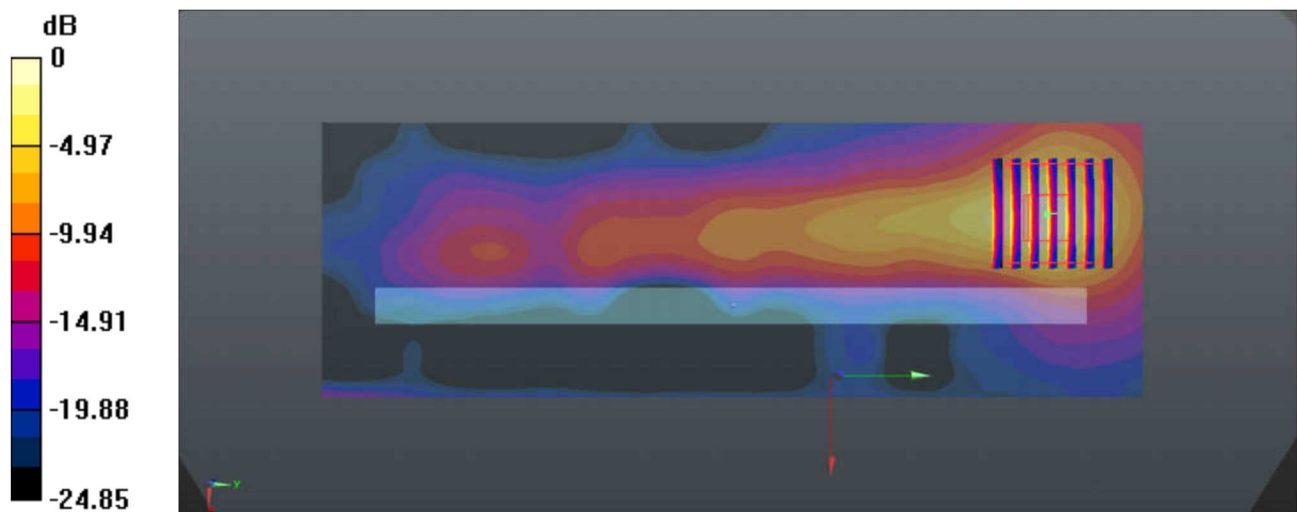
**Ch40/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.699 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 3.48 W/kg

**SAR(1 g) = 0.848 W/kg; SAR(10 g) = 0.268 W/kg**

Maximum value of SAR (measured) = 1.98 W/kg



0 dB = 1.99 W/kg = 2.99 dBW/kg

**30\_WLAN5.8GHz\_802.11a 6Mbps\_Left Side\_5mm\_Ch157**

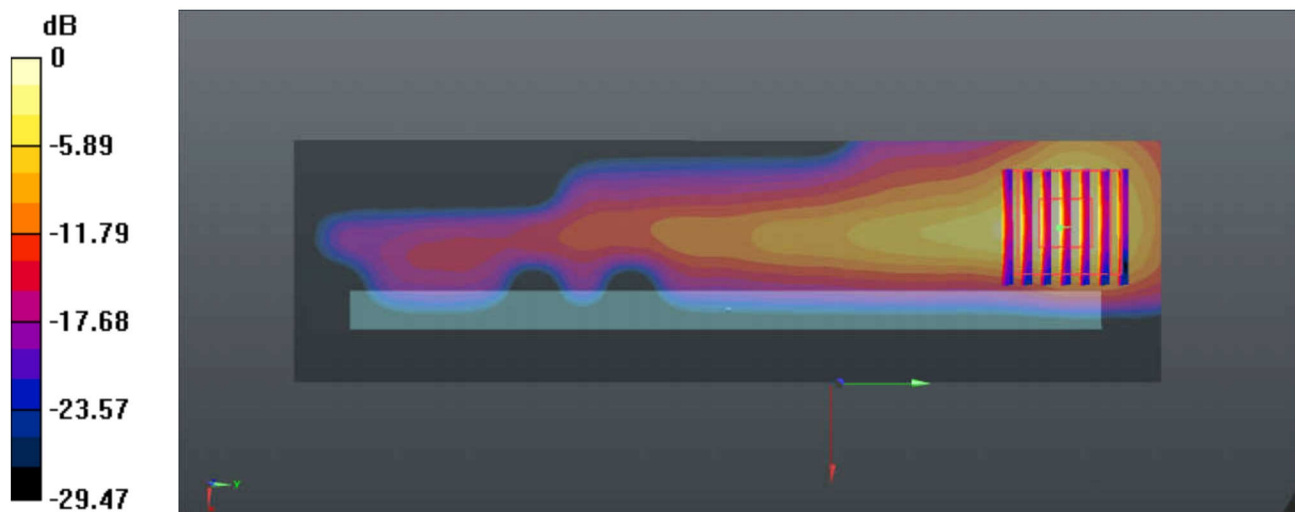
Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1.018  
Medium: MSL\_5000 Medium parameters used:  $f = 5785$  MHz;  $\sigma = 6.206$  S/m;  $\epsilon_r = 47.073$ ;  
 $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.9 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(4.18, 4.18, 4.18); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch157/Area Scan (51x181x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm  
Maximum value of SAR (interpolated) = 1.91 W/kg

**Ch157/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm  
Reference Value = 1.887 V/m; Power Drift = 0.01 dB  
Peak SAR (extrapolated) = 3.47 W/kg  
**SAR(1 g) = 0.733 W/kg; SAR(10 g) = 0.222 W/kg**  
Maximum value of SAR (measured) = 1.91 W/kg



0 dB = 1.91 W/kg = 2.81 dBW/kg