

**51\_WCDMA Band II\_RMC12.2Kbps\_Back\_0mm\_Ch9262**

Communication System: UID 0, UMTS (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.448$  S/m;  $\epsilon_r = 52.95$ ;  
 $\rho = 1000$  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)

**Ch9262/Area Scan (61x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.96 W/kg

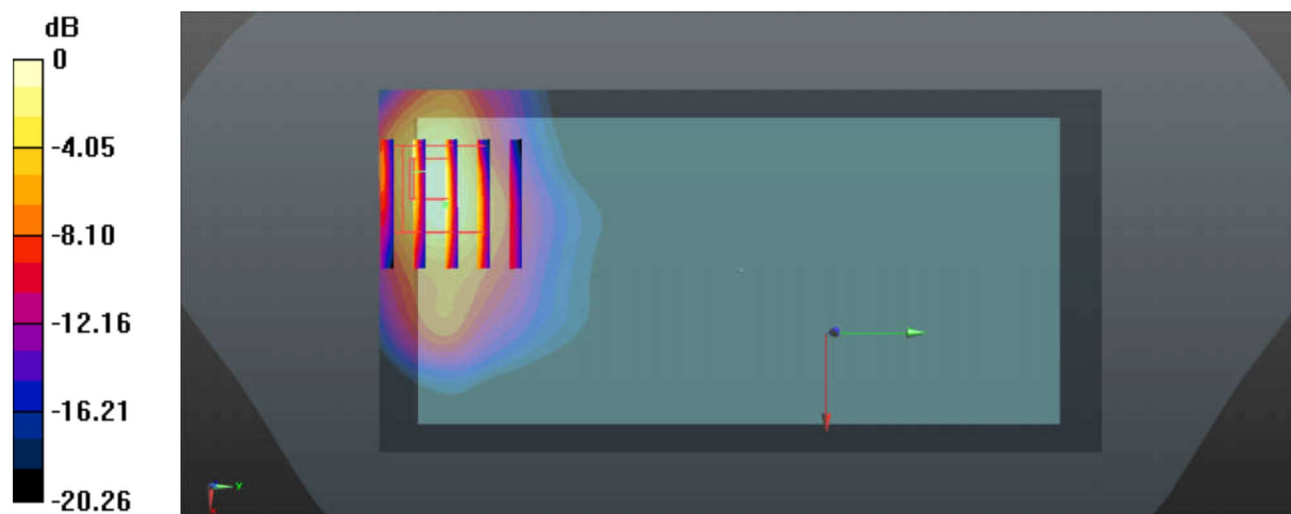
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.925 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 13.1 W/kg

**SAR(1 g) = 5.99 W/kg; SAR(10 g) = 2.47 W/kg**

Maximum value of SAR (measured) = 8.13 W/kg



0 dB = 6.96 W/kg = 8.43 dBW/kg

**52\_CDMA2000 BC0\_RTAP153.6bps\_Back\_0mm\_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) =  $11.6 \text{ W/kg}$

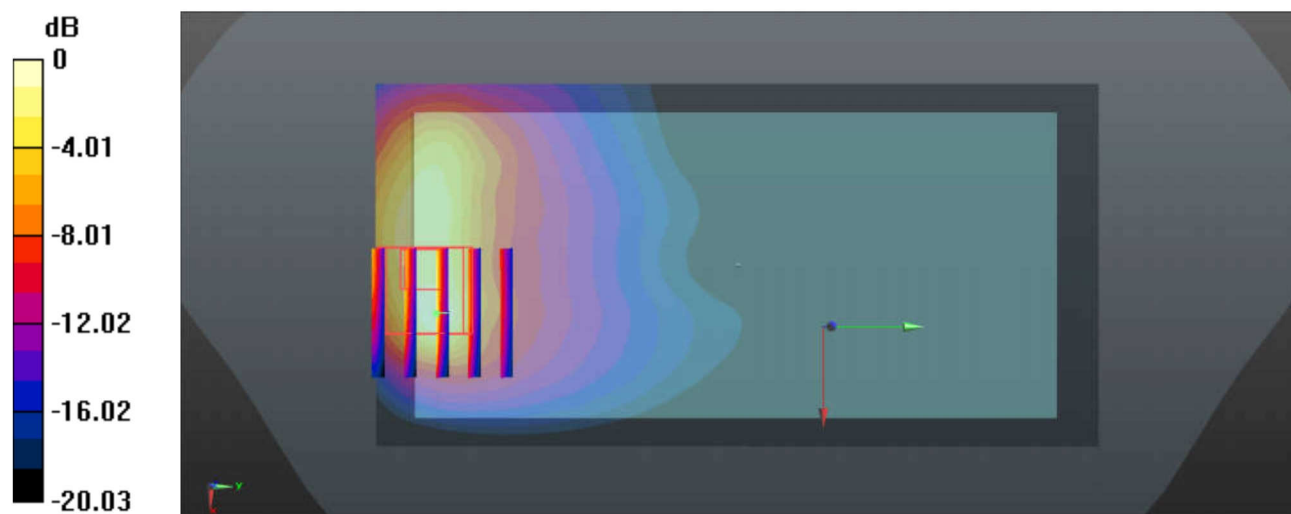
**Ch777/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $10.83 \text{ V/m}$ ; Power Drift =  $0.05 \text{ dB}$

Peak SAR (extrapolated) =  $15.1 \text{ W/kg}$

**SAR(1 g) =  $5.5 \text{ W/kg}$ ; SAR(10 g) =  $2.65 \text{ W/kg}$**

Maximum value of SAR (measured) =  $9.67 \text{ W/kg}$



$0 \text{ dB} = 11.6 \text{ W/kg} = 10.64 \text{ dBW/kg}$

**53\_CDMA2000 BC1\_RTAP153.6bps\_Back\_0mm\_Ch1175**

Communication System: UID 0, CDMA2000 (0); Frequency: 1908.75 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900 Medium parameters used:  $f = 1908.75$  MHz;  $\sigma = 1.524$  S/m;  $\epsilon_r = 52.799$ ;

$\rho = 1000$  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)

**Ch1175/Area Scan (61x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 6.78 W/kg

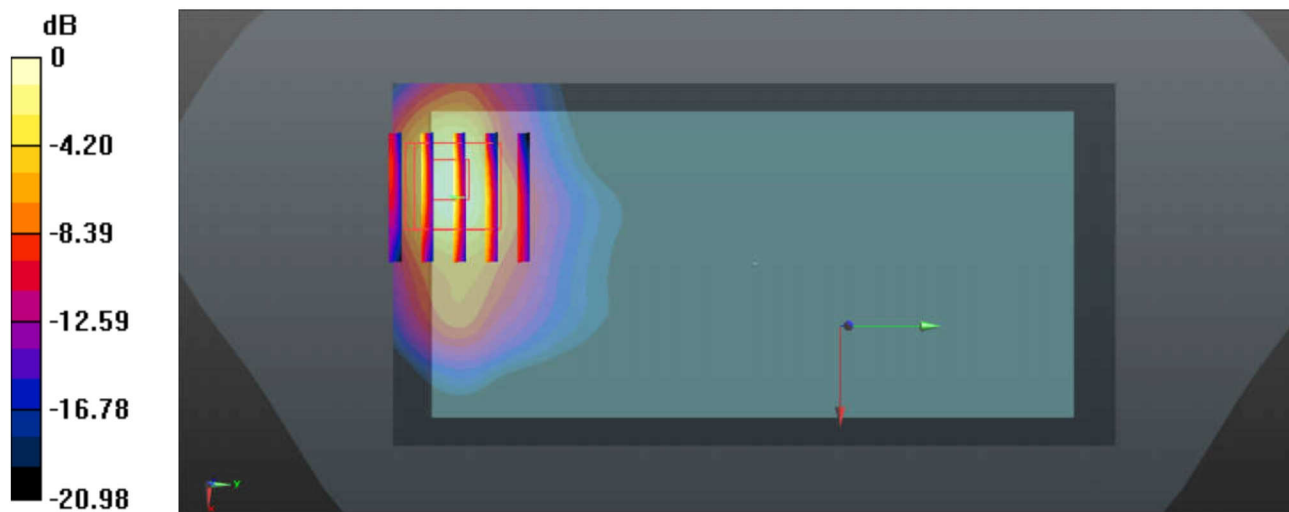
**Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 2.663 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 9.98 W/kg

**SAR(1 g) = 4.92 W/kg; SAR(10 g) = 2.12 W/kg**

Maximum value of SAR (measured) = 7.55 W/kg



0 dB = 6.78 W/kg = 8.31 dBW/kg

**54\_LTE Band 13\_10M\_QPSK\_1RB\_0Offset\_Back\_0mm\_Ch23230**

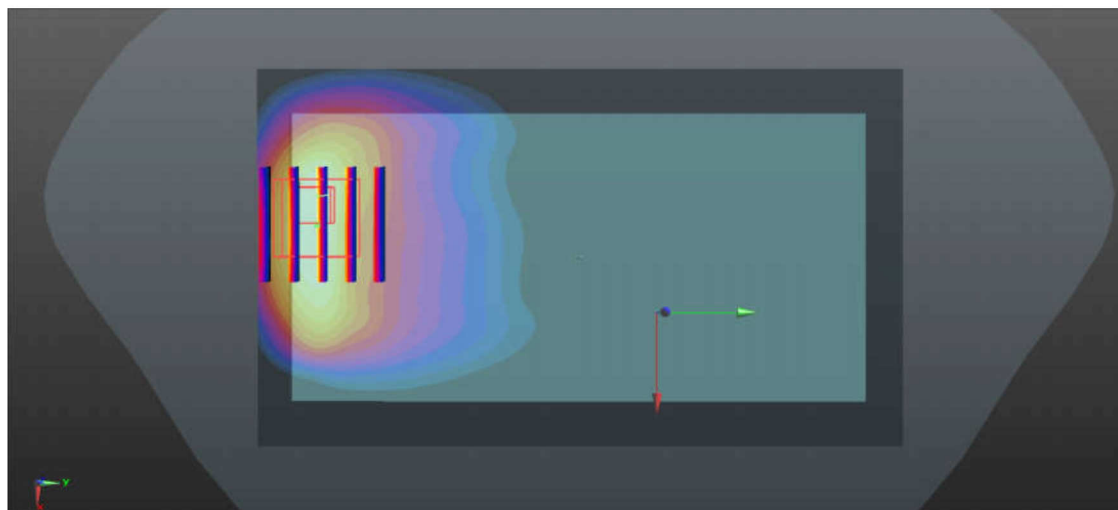
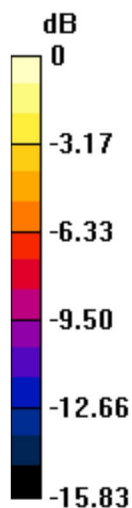
Communication System: UID 0, FDD\_LTE (0); Frequency: 782 MHz; Duty Cycle: 1:1  
Medium: MSL\_835 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.92$  S/m;  $\epsilon_r = 55.684$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.8 °C

**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:  $dx=1.500$  mm,  $dy=1.500$  mm  
Maximum value of SAR (interpolated) = 6.64 W/kg

**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 11.91 V/m; Power Drift = 0.01 dB  
Peak SAR (extrapolated) = 12.0 W/kg  
**SAR(1 g) = 4.14 W/kg; SAR(10 g) = 1.91 W/kg**  
Maximum value of SAR (measured) = 8.06 W/kg



0 dB = 6.64 W/kg = 8.22 dBW/kg

**55\_LTE Band 5\_10M\_QPSK\_1RB\_25Offset\_Back\_0mm\_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;  $\epsilon_r = 55.148$ ;

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

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °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: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch20525/Area Scan (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 8.73 W/kg

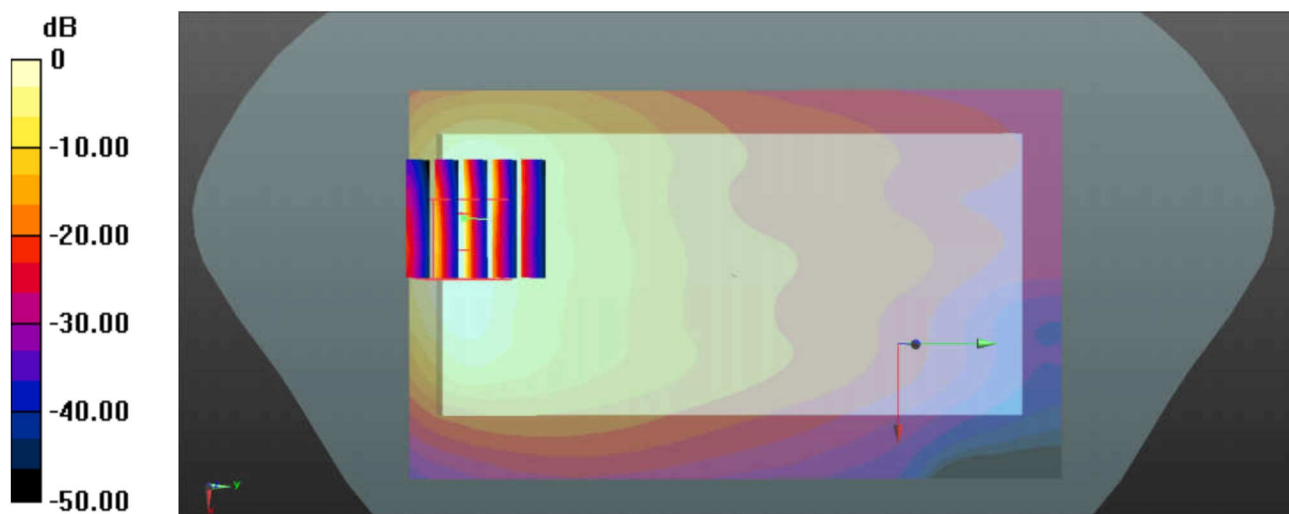
**Ch20525/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.53 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 12.6 W/kg

**SAR(1 g) = 4.86 W/kg; SAR(10 g) = 2.32 W/kg**

Maximum value of SAR (measured) = 8.70 W/kg



0 dB = 8.73 W/kg = 9.41 dBW/kg

**56\_LTE Band 66\_20M\_QPSK\_50RB\_0Offset\_Back\_0mm\_Ch132072**

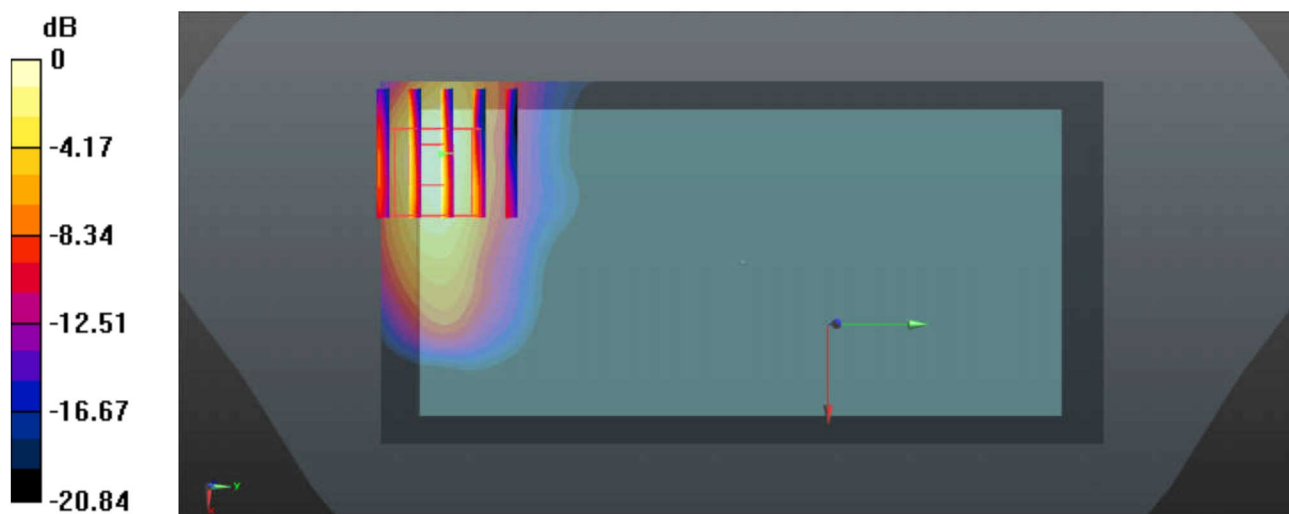
Communication System: UID 0, FDD\_LTE (0); Frequency: 1720 MHz; Duty Cycle: 1:1  
Medium: MSL\_1750 Medium parameters used:  $f = 1720$  MHz;  $\sigma = 1.413$  S/m;  $\epsilon_r = 54.8$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

**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)

**Ch132072/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 7.55 W/kg

**Ch132072/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 2.244 V/m; Power Drift = 0.07 dB  
Peak SAR (extrapolated) = 12.7 W/kg  
**SAR(1 g) = 5.74 W/kg; SAR(10 g) = 2.55 W/kg**  
Maximum value of SAR (measured) = 8.52 W/kg



0 dB = 7.55 W/kg = 8.78 dBW/kg

**57\_LTE Band 2\_20M\_QPSK\_50RB\_0Offset\_Back\_0mm\_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;  $\epsilon_r = 52.922$ ;

$\rho = 1000$  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)

**Ch18700/Area Scan (61x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 7.55 W/kg

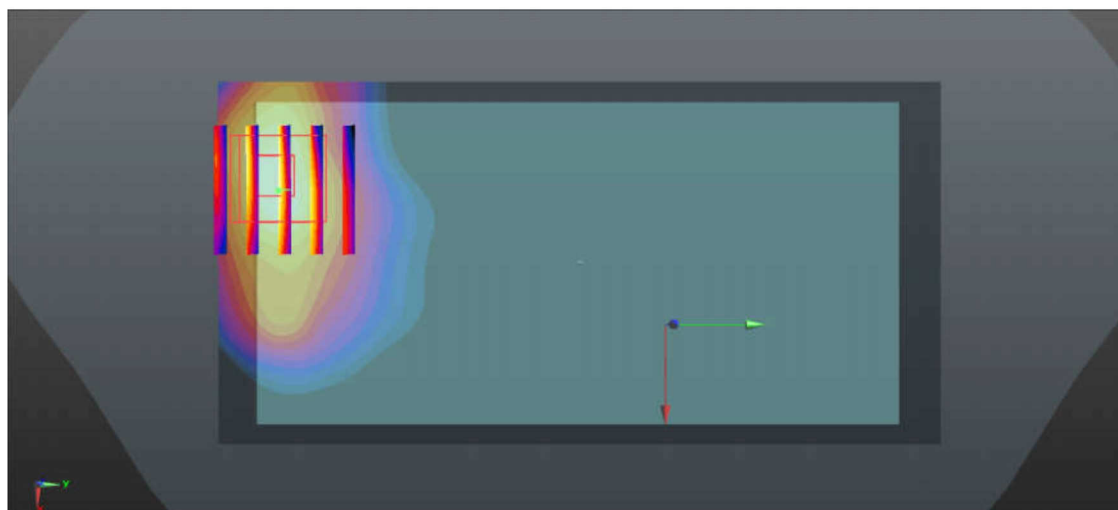
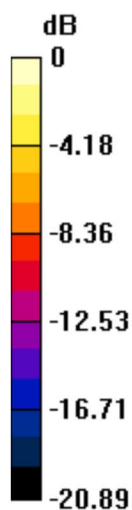
**Ch18700/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 2.761 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 12.7 W/kg

**SAR(1 g) = 6.12 W/kg; SAR(10 g) = 2.58 W/kg**

Maximum value of SAR (measured) = 9.73 W/kg



0 dB = 7.55 W/kg = 8.78 dBW/kg

**58\_LTE Band 7\_20M\_QPSK\_50RB\_0Offset\_Back\_0mm\_Ch21350**

Communication System: UID 0, FDD\_LTE (0); Frequency: 2560 MHz; Duty Cycle: 1:1  
Medium: MSL\_2600 Medium parameters used:  $f = 2560$  MHz;  $\sigma = 2.129$  S/m;  $\epsilon_r = 53.033$ ;

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

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)

**Ch21350/Area Scan (91x71x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 17.1 W/kg

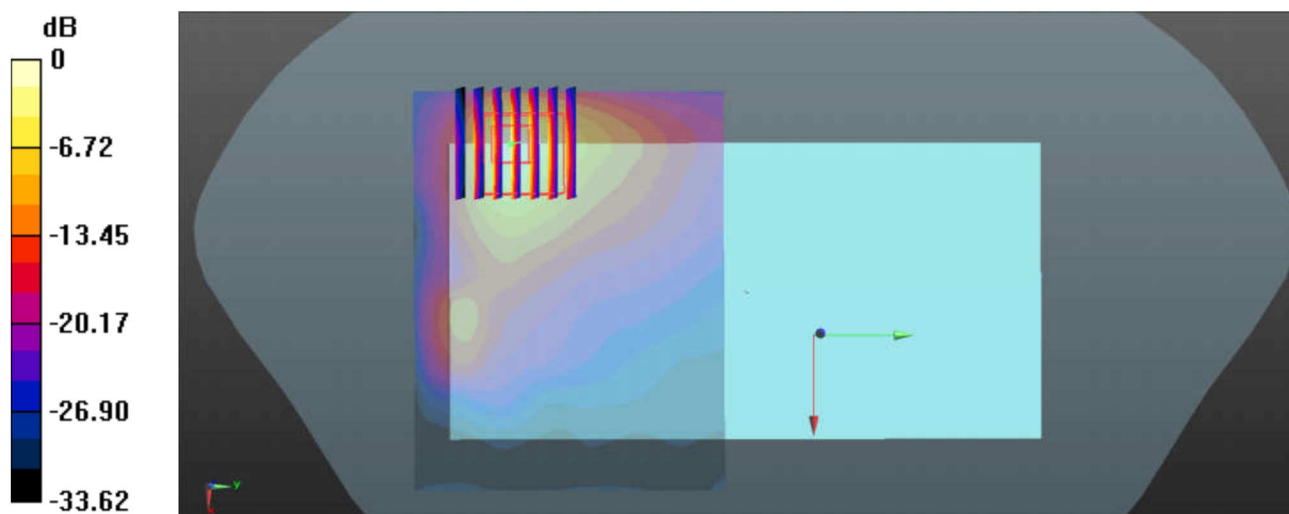
**Ch21350/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 6.781 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 22.5 W/kg

**SAR(1 g) = 7.54 W/kg; SAR(10 g) = 2.82 W/kg**

Maximum value of SAR (measured) = 13.4 W/kg



0 dB = 17.1 W/kg = 12.33 dBW/kg

**59\_WLAN5.3GHz\_802.11a 6Mbps\_Left Side\_0mm\_Ch60**

Communication System: UID 0, WIFI (0); Frequency: 5300 MHz; Duty Cycle: 1:1.018  
Medium: MSL\_5000 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.567$  S/m;  $\epsilon_r = 47.867$ ;  
 $\rho = 1000 \text{ kg/m}^3$   
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)

**Ch60/Area Scan (51x181x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 10.3 W/kg

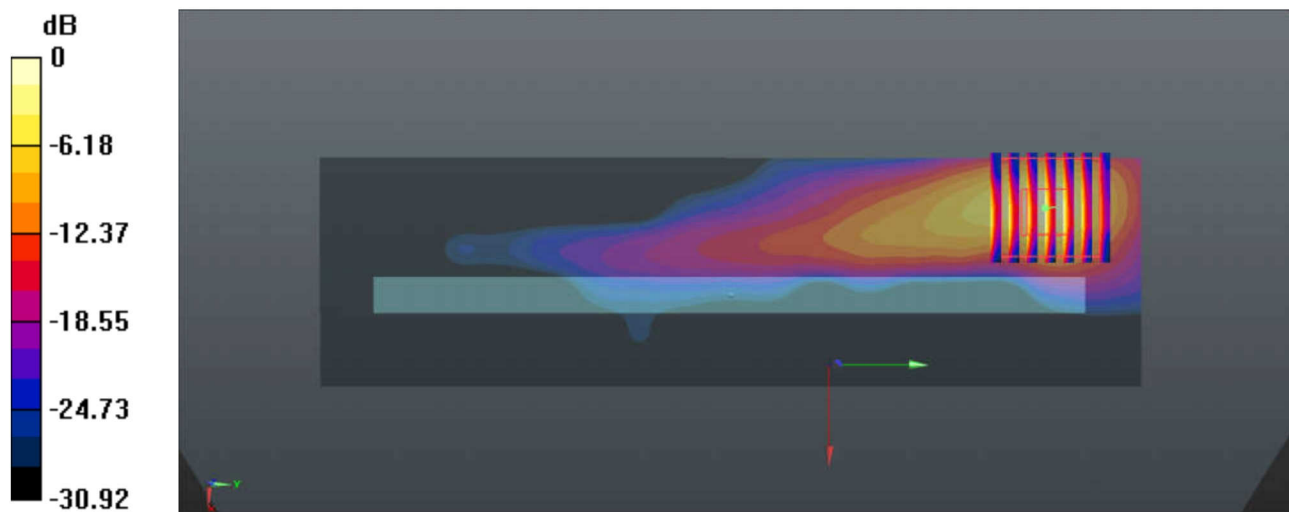
**Ch60/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 1.854 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 26.3 W/kg

**SAR(1 g) = 4.35 W/kg; SAR(10 g) = 1.04 W/kg**

Maximum value of SAR (measured) = 12.2 W/kg



0 dB = 10.3 W/kg = 10.13 dBW/kg

**60\_WLAN5.5GHz\_802.11a 6Mbps\_Left Side\_0mm\_Ch116**

Communication System: UID 0, WIFI (0); Frequency: 5580 MHz; Duty Cycle: 1:1.018  
Medium: MSL\_5000 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.928$  S/m;  $\epsilon_r = 47.406$ ;  
 $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(4.05, 4.05, 4.05); 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)

**Ch116/Area Scan (51x181x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 10.7 W/kg

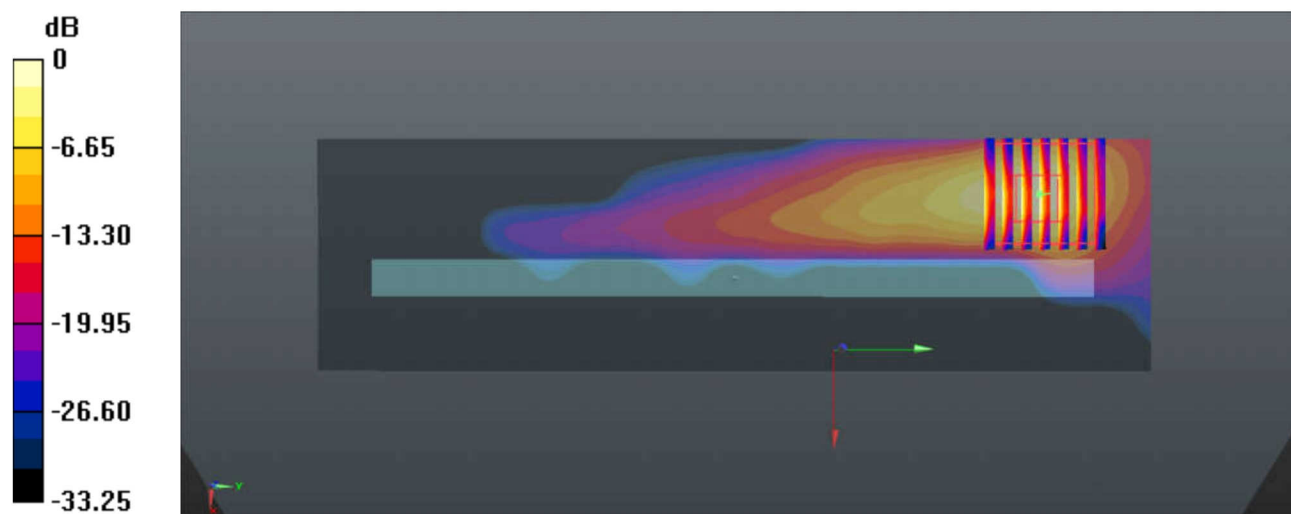
**Ch116/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 1.680 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 37.7 W/kg

**SAR(1 g) = 5.9 W/kg; SAR(10 g) = 1.37 W/kg**

Maximum value of SAR (measured) = 17.2 W/kg



0 dB = 10.7 W/kg = 10.29 dBW/kg