

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/m³
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

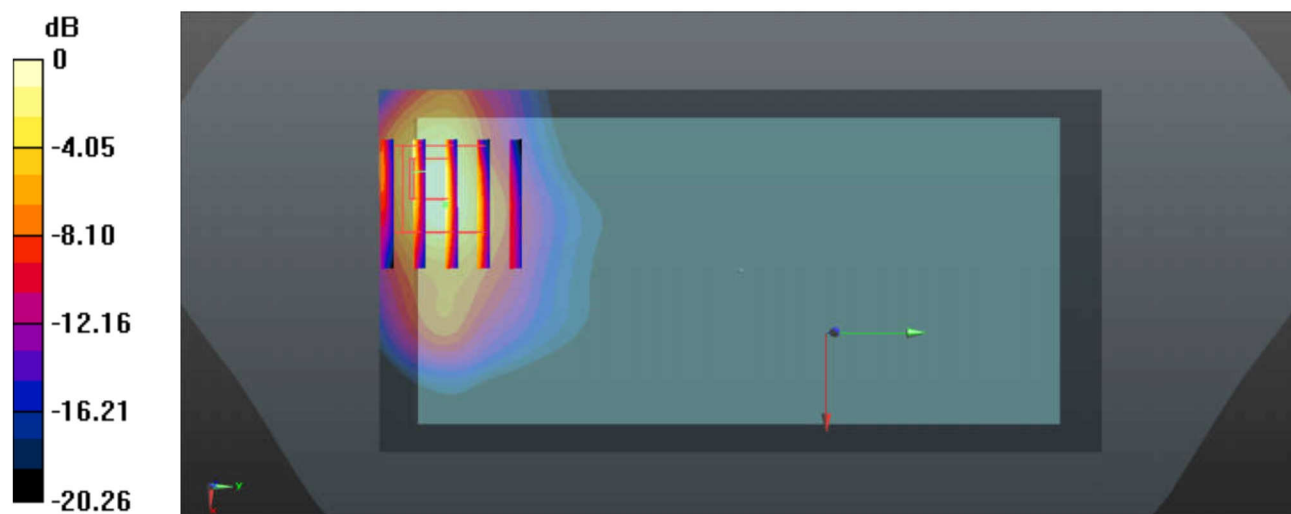
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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°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)

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

Maximum value of SAR (interpolated) = 11.6 W/kg

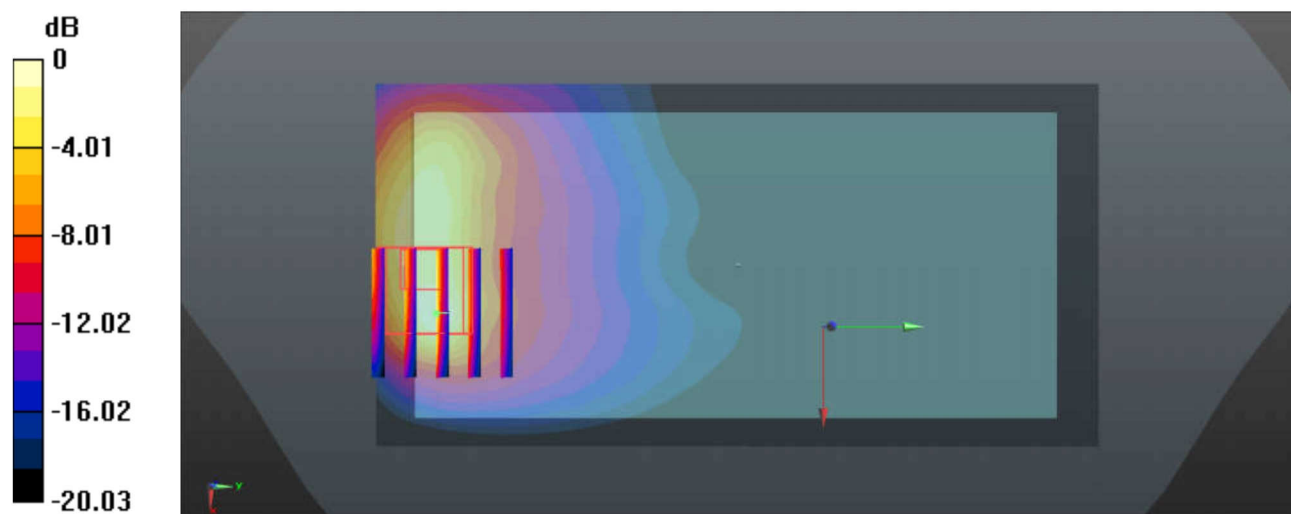
Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.83 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 15.1 W/kg

SAR(1 g) = 5.5 W/kg ; SAR(10 g) = 2.65 W/kg

Maximum value of SAR (measured) = 9.67 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/m³

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

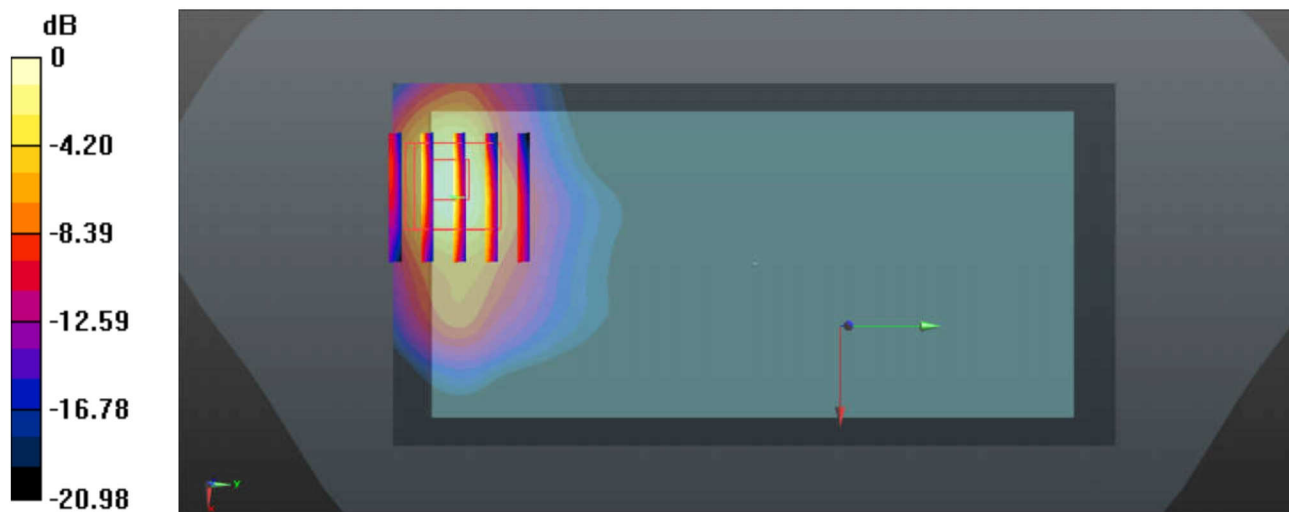
Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

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

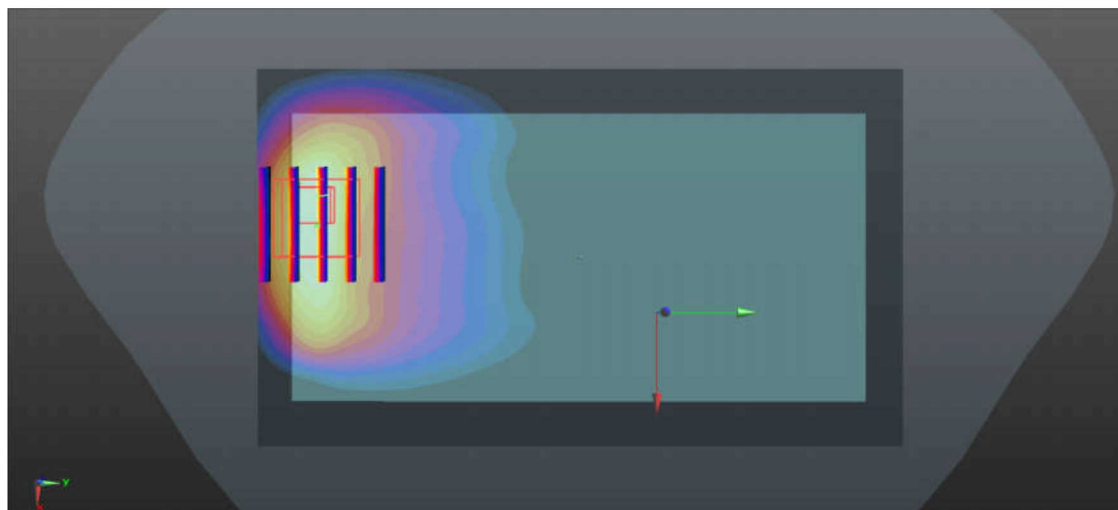
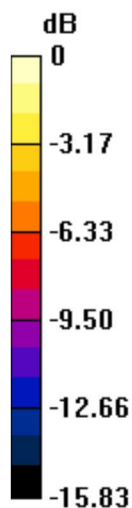
Communication System: UID 0, FDD_LTE (0); Frequency: 782 MHz; Duty Cycle: 1:1
Medium: MSL_835 Medium parameters used: $f = 782$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 55.684$;
 $\rho = 1000$ kg/m³
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.8 °C

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

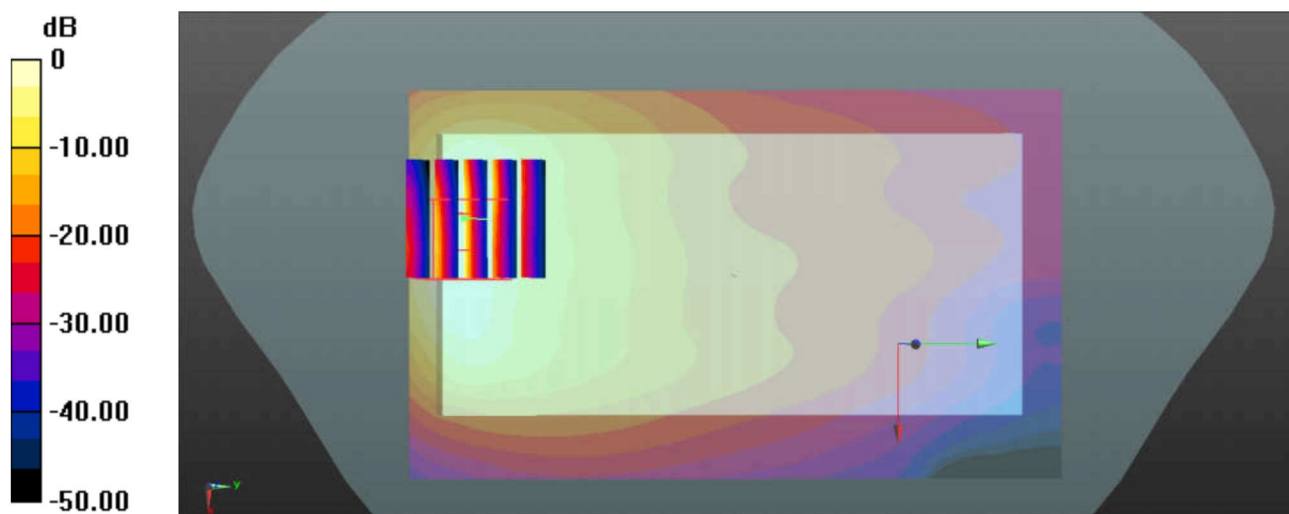
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

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

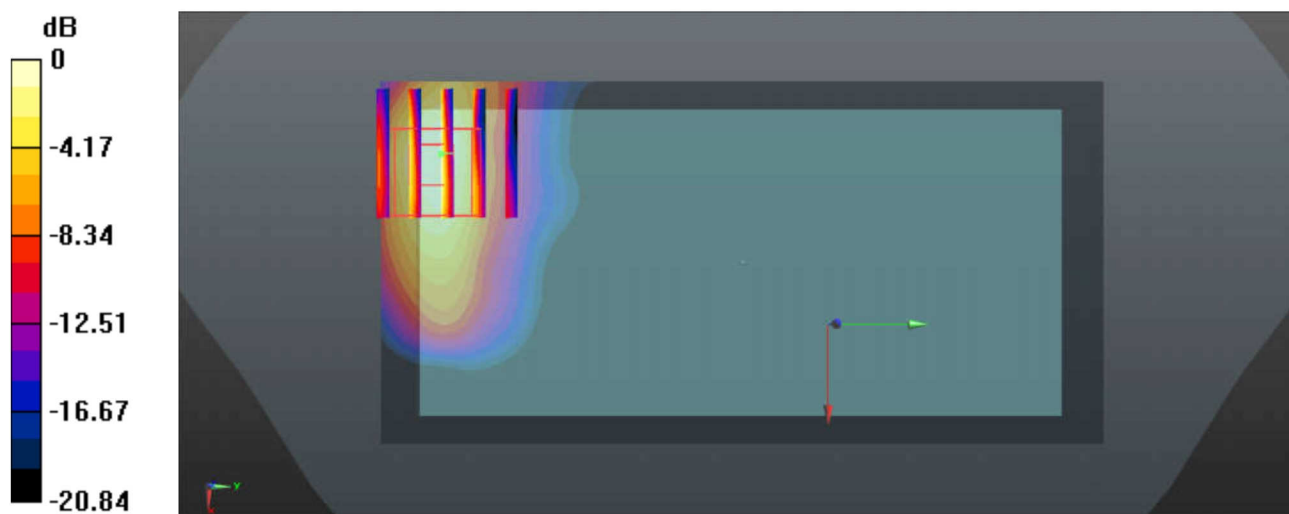
Communication System: UID 0, FDD_LTE (0); Frequency: 1720 MHz; Duty Cycle: 1:1
Medium: MSL_1750 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.413$ S/m; $\epsilon_r = 54.8$;
 $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

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; $\epsilon_r = 52.922$;

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

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 (61x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

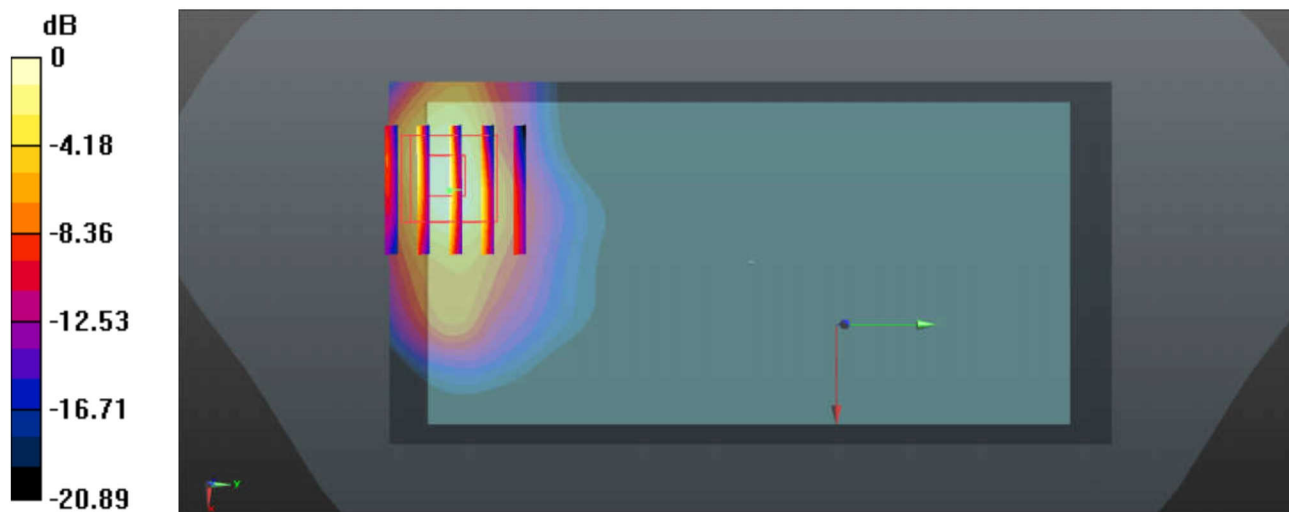
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

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

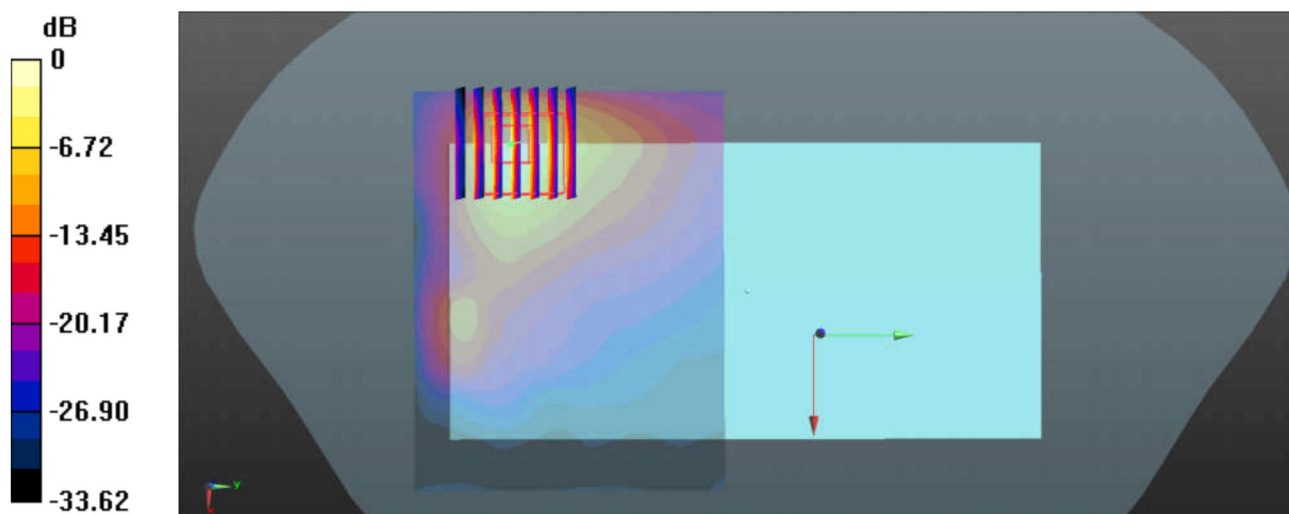
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

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

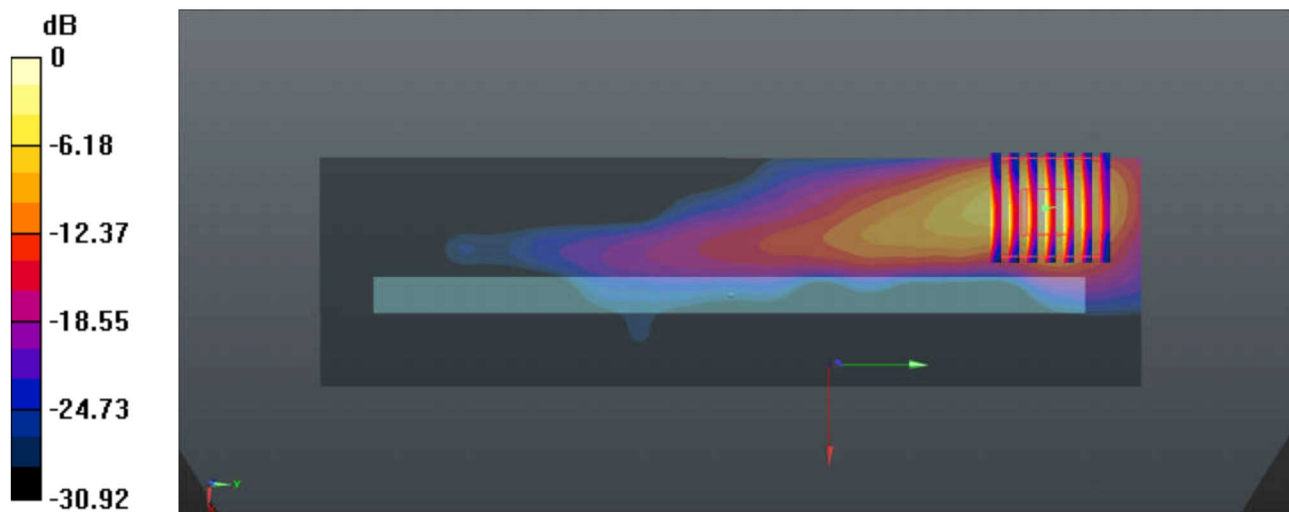
Ch60/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

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

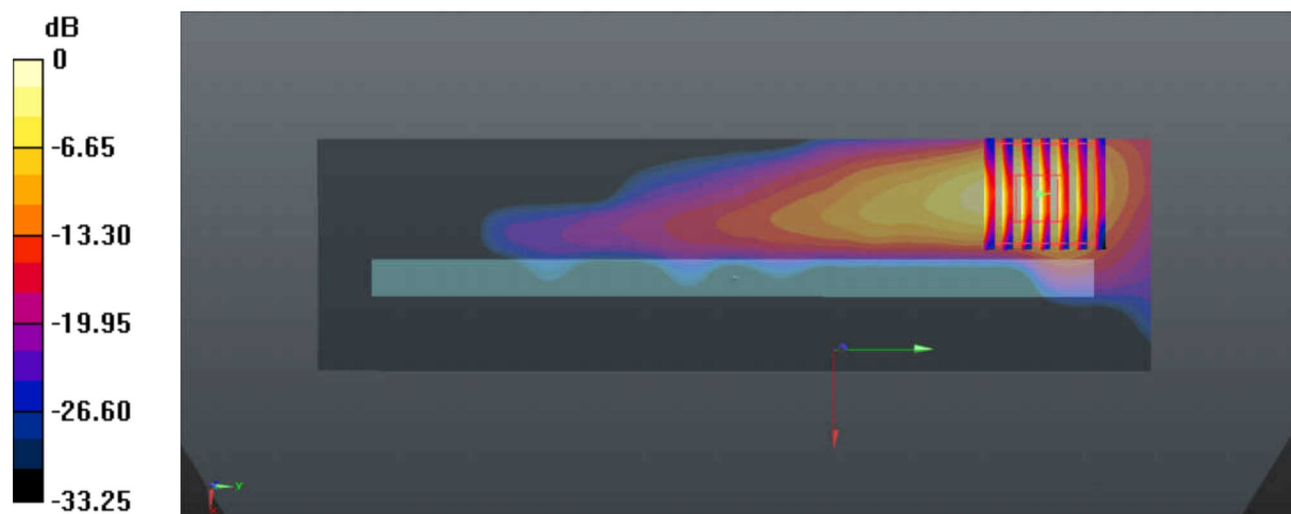
Ch116/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

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