

#01_WCDMA II_RMC 12.2Kbps_Bottom Face_0mm_Ch9538

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

Medium: MSL_1900_170309 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.527$ S/m; $\epsilon_r = 52.947$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.7, 4.7, 4.7); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2016/5/12
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.05 W/kg

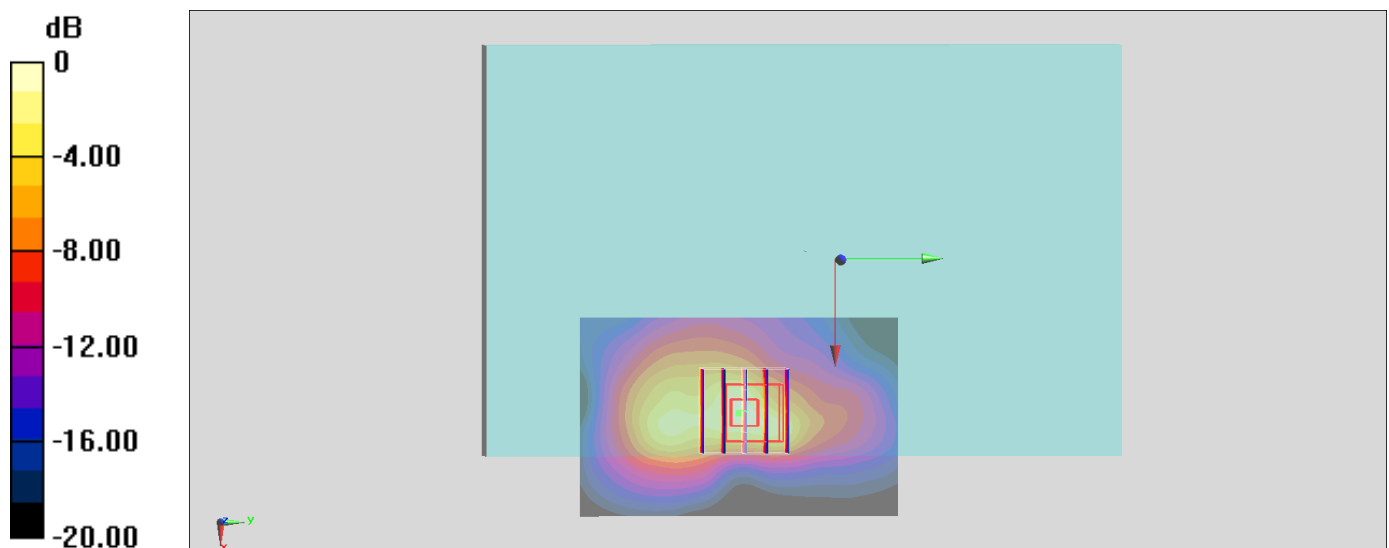
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.78 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.02 W/kg

SAR(1 g) = 0.845 W/kg; SAR(10 g) = 0.374 W/kg

Maximum value of SAR (measured) = 1.23 W/kg



0 dB = 1.23 W/kg = 0.90 dBW/kg

#02_WCDMA IV_RMC 12.2Kbps_Bottom Face_0mm_Ch1312

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: MSL_1750_170310 Medium parameters used: $f = 1712.4$ MHz; $\sigma = 1.498$ S/m; $\epsilon_r = 54.636$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.95, 4.95, 4.95); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2016/5/12
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (51x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.27 W/kg

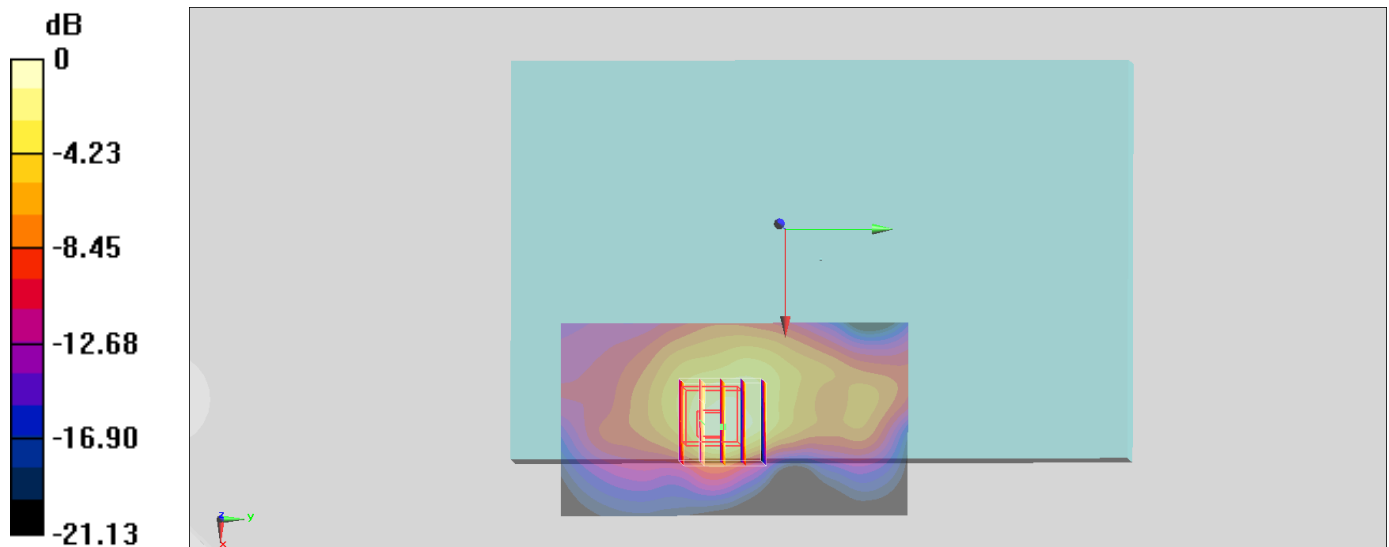
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.57 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.819 W/kg; SAR(10 g) = 0.440 W/kg

Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg = 0.17 dBW/kg

#03_WCDMA V_RMC 12.2Kbps_Bottom Face_0mm_Ch4233

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

Medium: MSL_850_170314 Medium parameters used: $f = 847$ MHz; $\sigma = 0.953$ S/m; $\epsilon_r = 55.881$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(10.14, 10.14, 10.14); Calibrated: 2016/10/3;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (51x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.59 W/kg

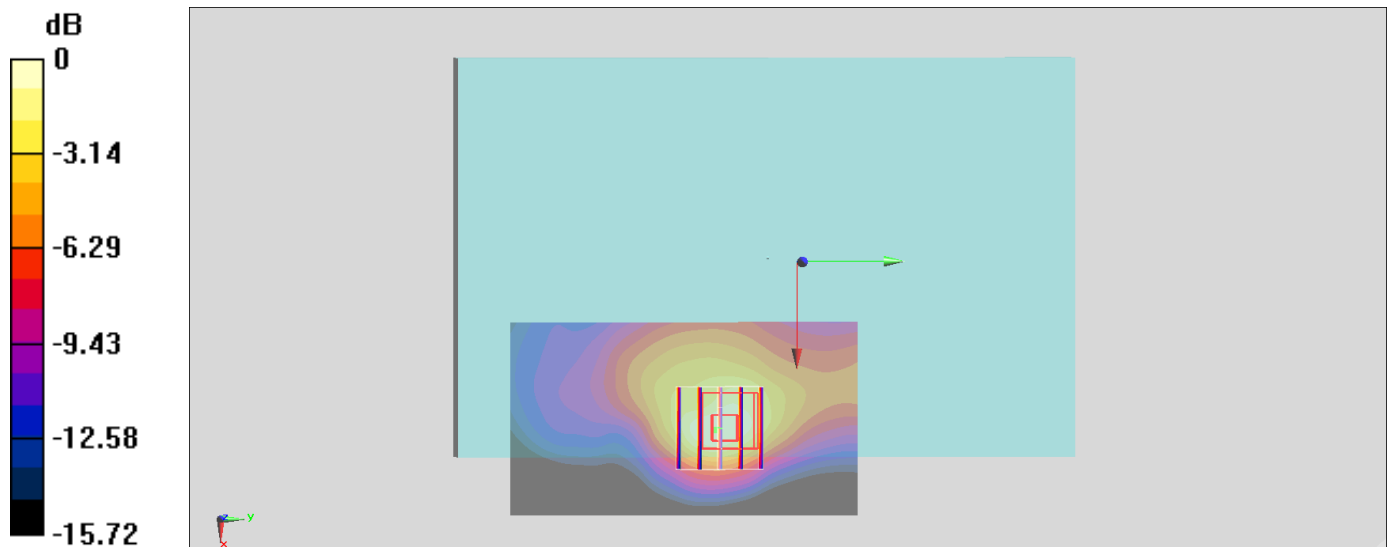
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.26 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 0.893 W/kg; SAR(10 g) = 0.508 W/kg

Maximum value of SAR (measured) = 1.42 W/kg



0 dB = 1.42 W/kg = 1.52 dBW/kg

#04_LTE Band 4_20M_QPSK_100_0_Bottom Face_0mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_170310 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.519$ S/m; $\epsilon_r = 54.564$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.95, 4.95, 4.95); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2016/5/12
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (51x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.23 W/kg

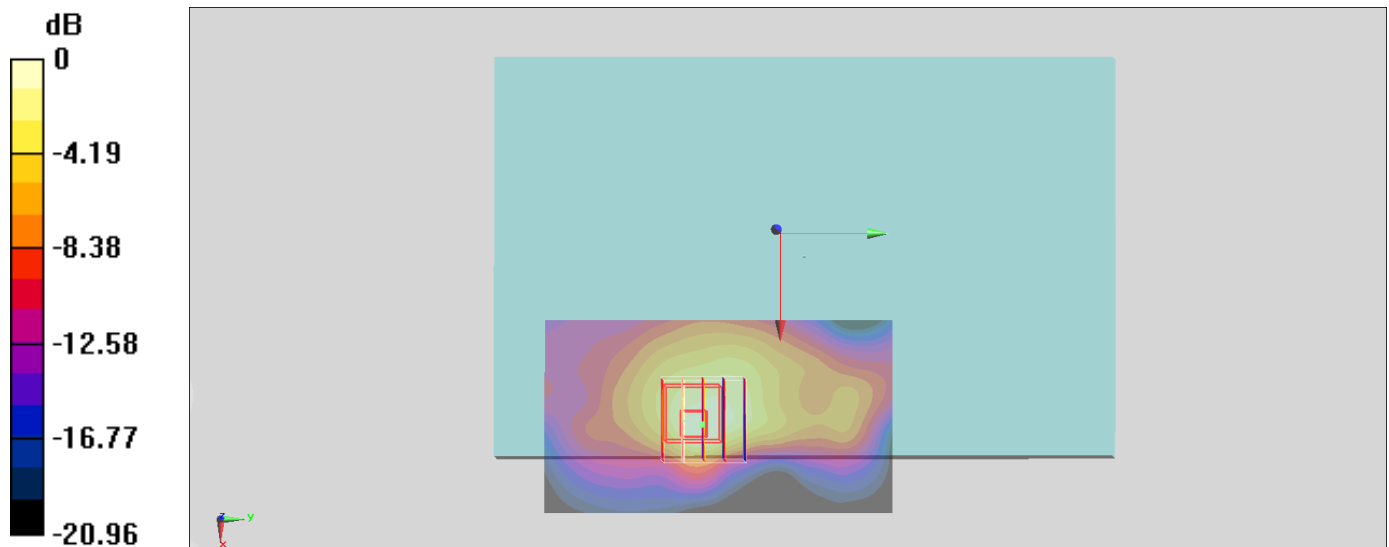
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.89 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.798 W/kg; SAR(10 g) = 0.430 W/kg

Maximum value of SAR (measured) = 0.998 W/kg



0 dB = 0.998 W/kg = -0.01 dBW/kg

#05_LTE Band 7_20M_QPSK_100_0_Bottom Face_0mm_Ch20850

Communication System: LTE; Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: MSL_2600_170310 Medium parameters used: $f = 2510$ MHz; $\sigma = 2.024$ S/m; $\epsilon_r = 52.914$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.12, 4.12, 4.12); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2016/5/12
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (61x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.61 W/kg

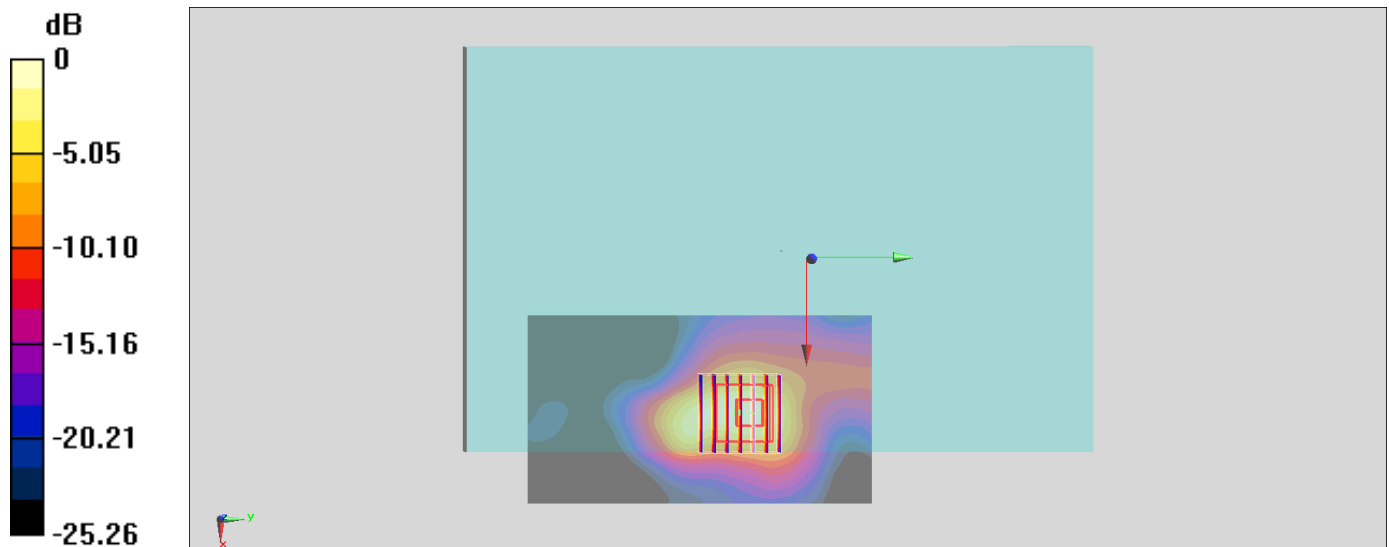
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.80 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.59 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.494 W/kg

Maximum value of SAR (measured) = 1.55 W/kg



0 dB = 1.55 W/kg = 1.90 dBW/kg

#06_LTE Band 12_10M_QPSK_1_25_Bottom Face_0mm_Ch23095

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

Medium: MSL_750_170314 Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.931$ S/m; $\epsilon_r = 55.763$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.09, 6.09, 6.09); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2016/5/12
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (51x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.22 W/kg

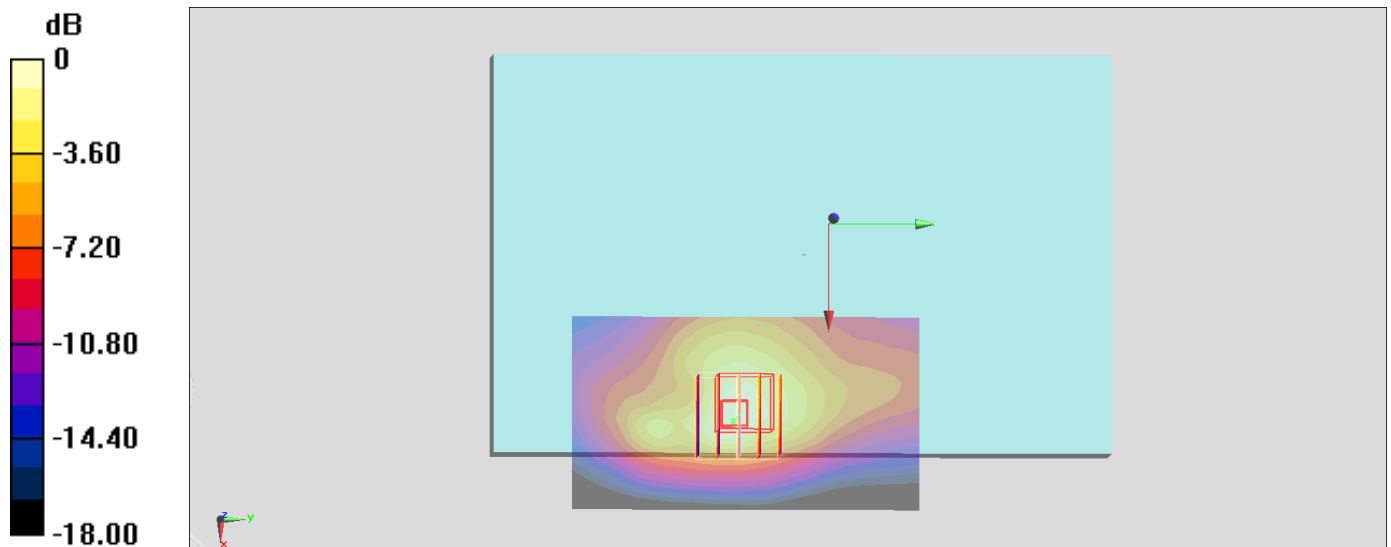
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.73 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.915 W/kg; SAR(10 g) = 0.562 W/kg

Maximum value of SAR (measured) = 1.14 W/kg



0 dB = 1.14 W/kg = 0.57 dBW/kg

#07_LTE Band 13_10M_QPSK_50_0_Bottom Face_0mm_Ch23230

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

Medium: MSL_750_170314 Medium parameters used: $f = 782$ MHz; $\sigma = 1$ S/m; $\epsilon_r = 54.977$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.09, 6.09, 6.09); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2016/5/12
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (51x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.19 W/kg

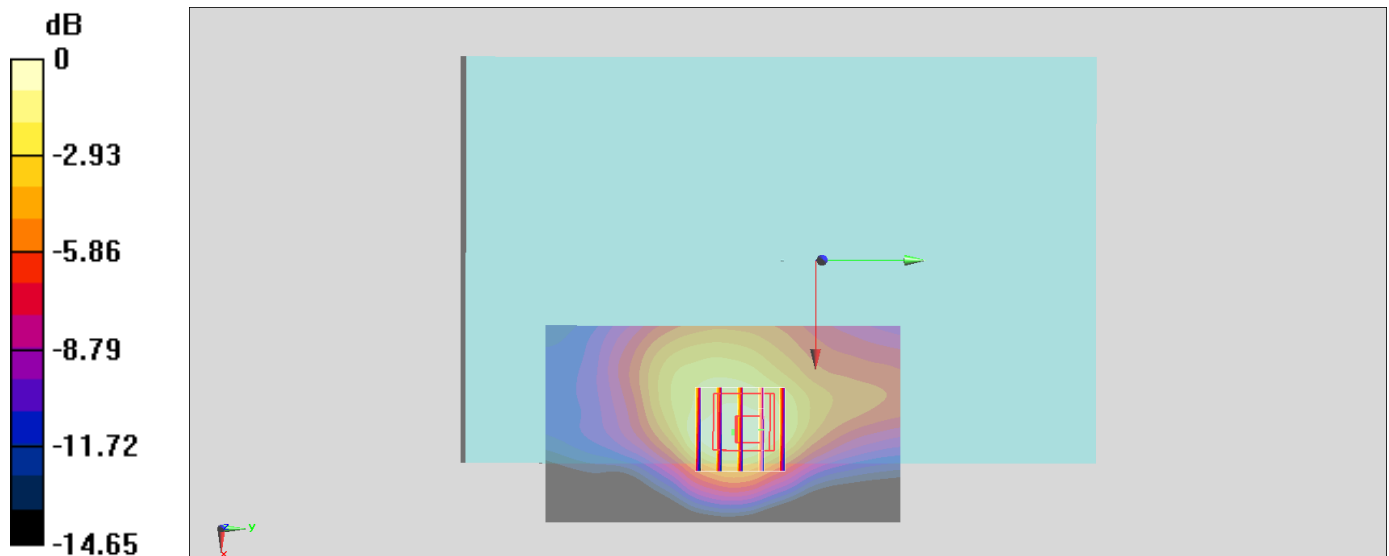
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.81 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.893 W/kg; SAR(10 g) = 0.550 W/kg

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



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

#08_LTE Band 25_20M_QPSK_50_0_Bottom Face_0mm_Ch26590

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

Medium: MSL_1900_170309 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.524$ S/m; $\epsilon_r = 52.955$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.7, 4.7, 4.7); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2016/5/12
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Area Scan (51x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.23 W/kg

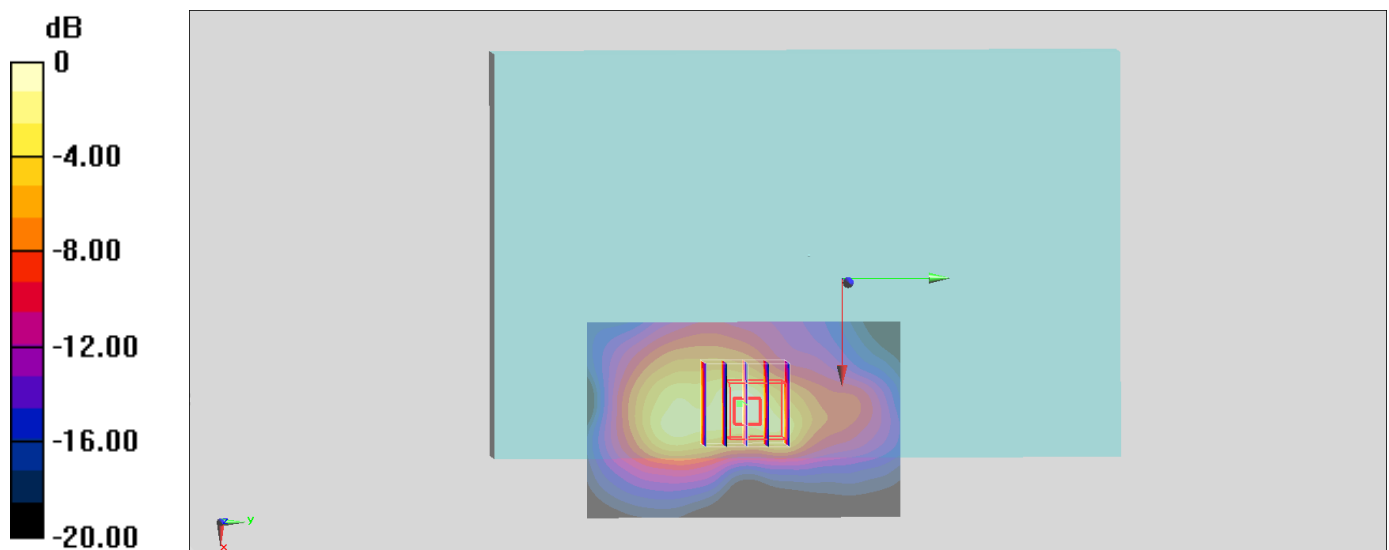
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 21.92 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.28 W/kg

SAR(1 g) = 0.938 W/kg; SAR(10 g) = 0.407 W/kg

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



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

#09_LTE Band 26_15M_QPSK_75_0_Bottom Face_0mm_Ch26865

Communication System: LTE ; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium: MSL_850_170314 Medium parameters used : $f = 831.5$ MHz; $\sigma = 0.938$ S/m; $\epsilon_r = 56.03$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(10.14, 10.14, 10.14); Calibrated: 2016/10/3;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (51x91x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.51 W/kg

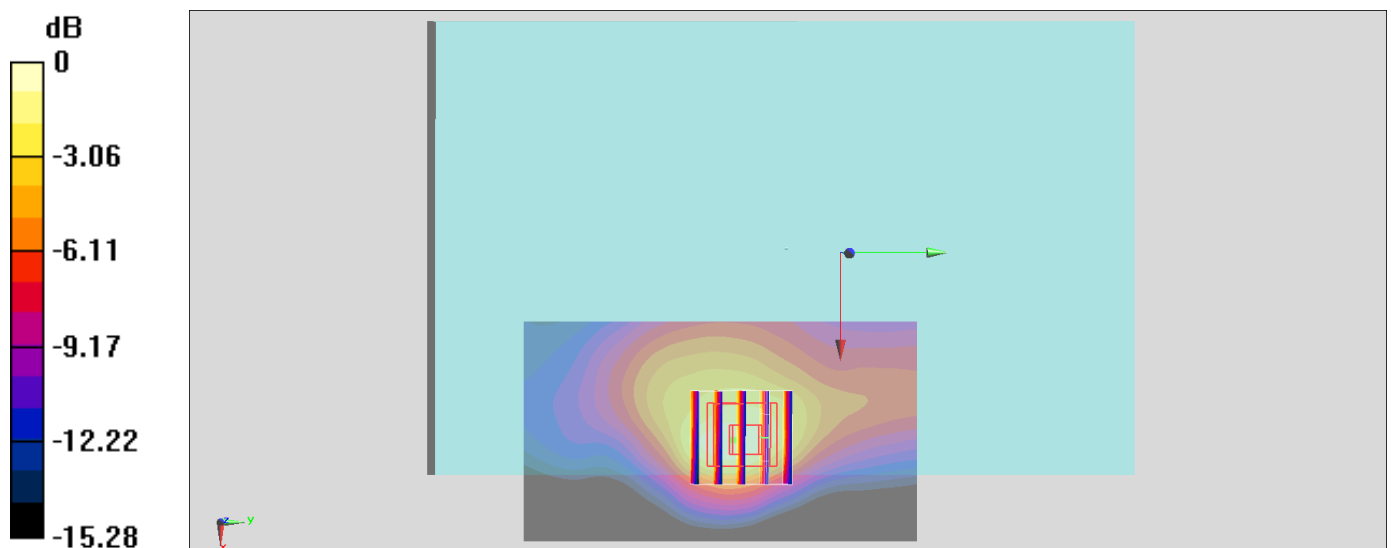
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 38.89 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 0.874 W/kg; SAR(10 g) = 0.497 W/kg

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



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

#10_LTE Band 30_10M_QPSK_25_0_Bottom Face_0mm_Ch27710

Communication System: LTE; Frequency: 2310 MHz; Duty Cycle: 1:1

Medium: MSL_2300_170313 Medium parameters used: $f = 2310$ MHz; $\sigma = 1.78$ S/m; $\epsilon_r = 54.535$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(7.96, 7.96, 7.96); Calibrated: 2016/10/3;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Area Scan (61x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.67 W/kg

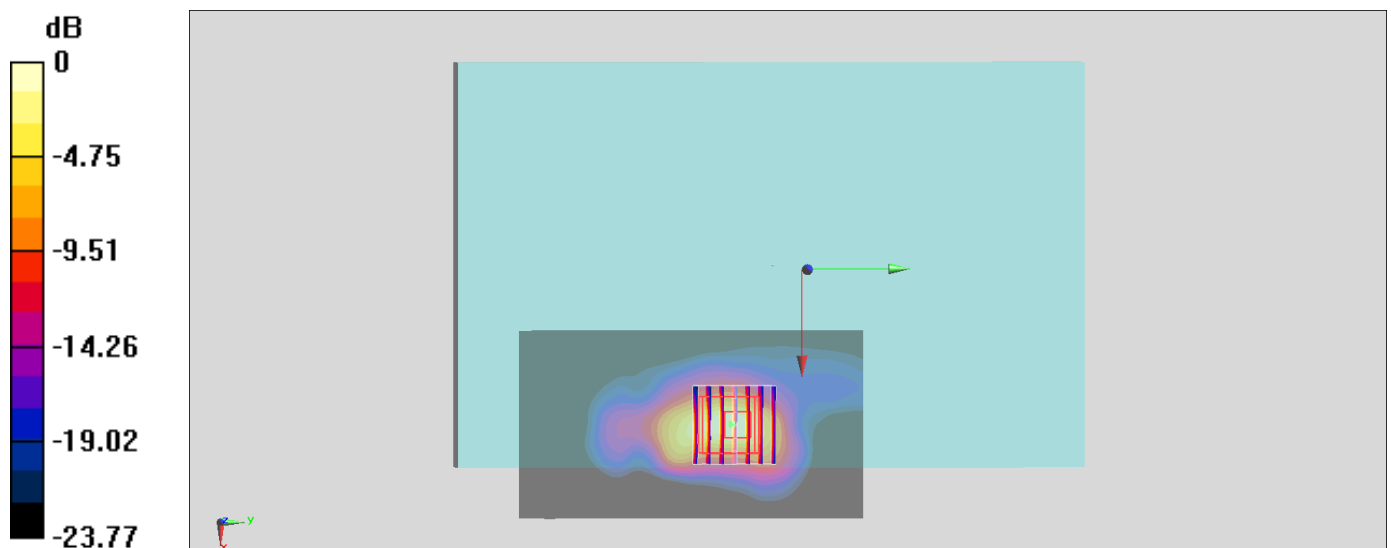
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.17 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 0.783 W/kg; SAR(10 g) = 0.329 W/kg

Maximum value of SAR (measured) = 1.50 W/kg



0 dB = 1.50 W/kg = 1.76 dBW/kg

#11_LTE Band 41_20M_QPSK_1_49_Bottom Face_0mm_Ch39750

Communication System: LTE ; Frequency: 2506 MHz;Duty Cycle: 1:1.59

Medium: MSL_2600_170310 Medium parameters used: $f = 2506$ MHz; $\sigma = 2.018$ S/m; $\epsilon_r = 52.93$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.12, 4.12, 4.12); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2016/5/12
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Area Scan (61x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.34 W/kg

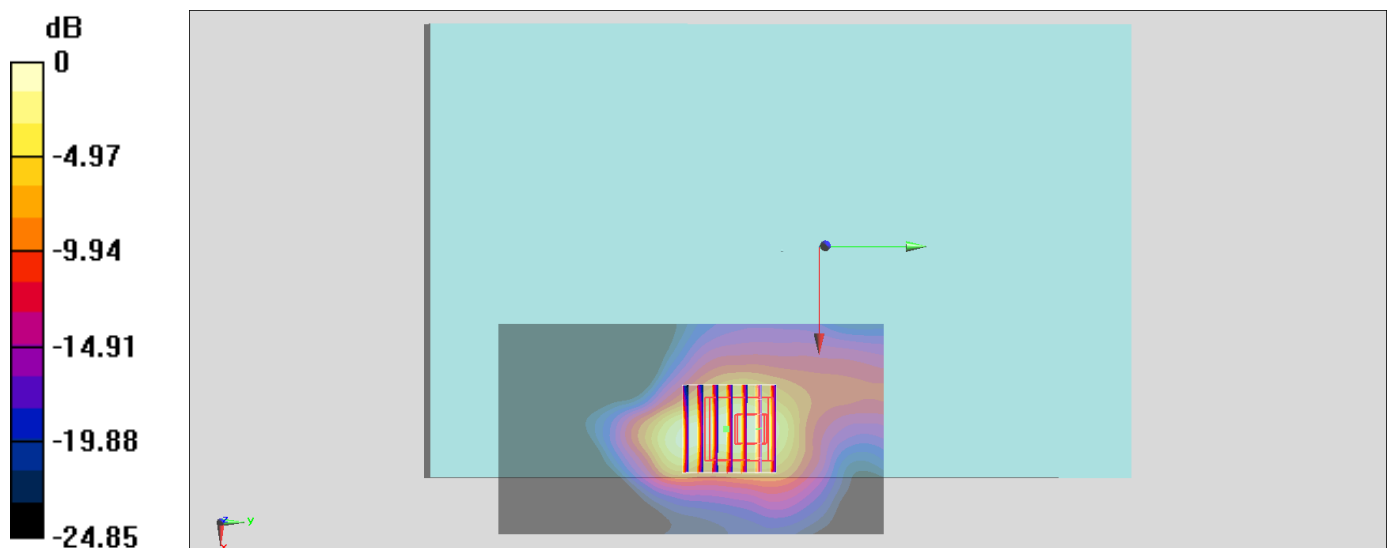
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.34 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.29 W/kg

SAR(1 g) = 0.944 W/kg; SAR(10 g) = 0.432 W/kg

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



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