

#01_WCDMA II_RMC 12.2Kbps_Edge 1_0mm_Ch9262

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL_1900_170116 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.48$ S/m; $\epsilon_r = 54.568$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: EX3DV4 - SN3955; ConvF(8, 8, 8); Calibrated: 2016/11/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.76 W/kg

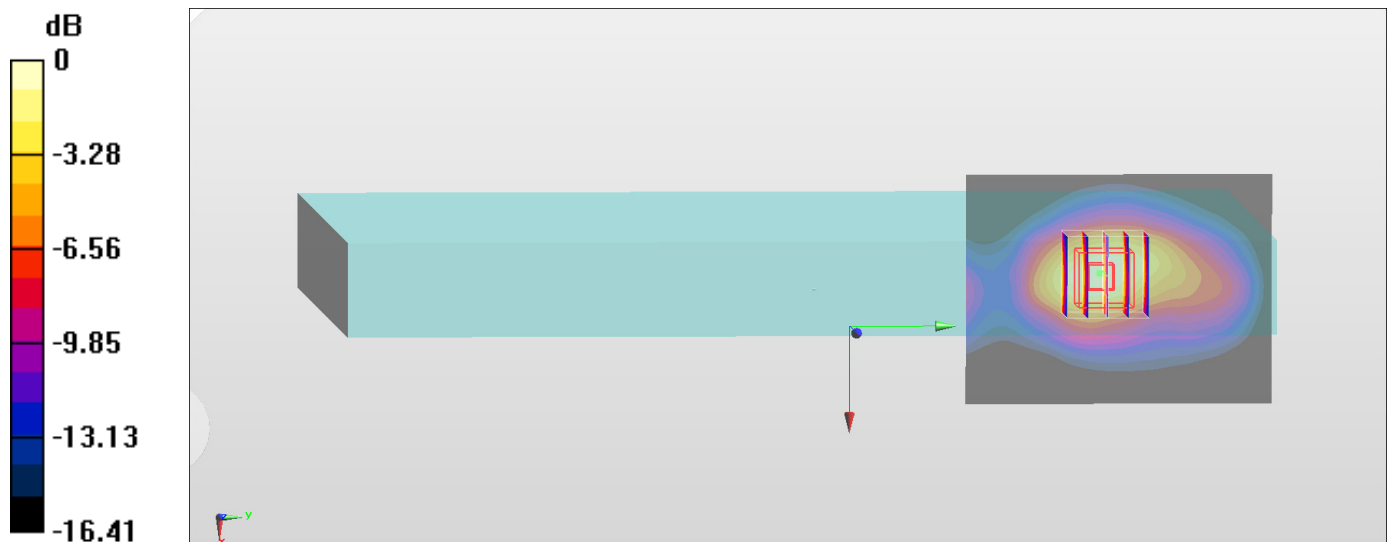
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.93 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.608 W/kg

Maximum value of SAR (measured) = 1.56 W/kg



0 dB = 1.56 W/kg = 1.93 dBW/kg

#02_WCDMA IV_RMC 12.2Kbps_Edge 1_0mm_Ch1513

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

Medium: MSL_1750_170117 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.51$ S/m; $\epsilon_r = 54.711$; $\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: EX3DV4 - SN3955; ConvF(8.31, 8.31, 8.31); Calibrated: 2016/11/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (81x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

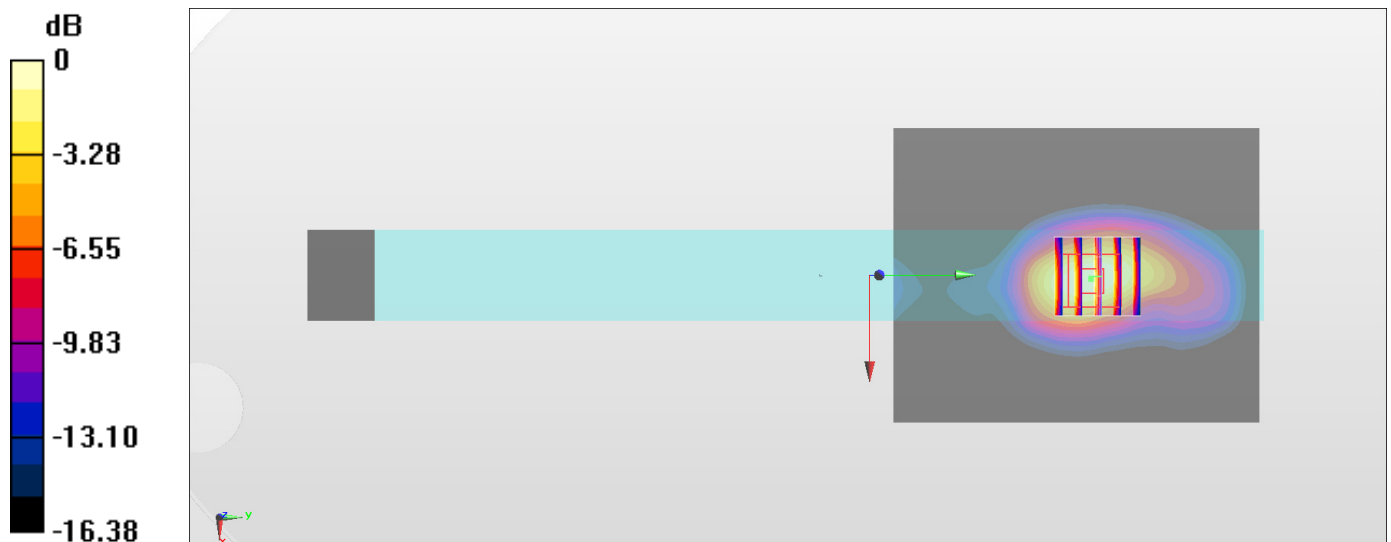
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.17 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 0.982 W/kg; SAR(10 g) = 0.559 W/kg

Maximum value of SAR (measured) = 1.43 W/kg



0 dB = 1.43 W/kg = 1.55 dBW/kg

#03_WCDMA V_RMC 12.2Kbps_Bottom Face_0mm_Ch4132

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_170112 Medium parameters used : $f = 826.4 \text{ MHz}$; $\sigma = 0.934 \text{ S/m}$; $\epsilon_r = 56.019$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration

- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2016/10/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1388; Calibrated: 2016/10/10
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (81x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.03 W/kg

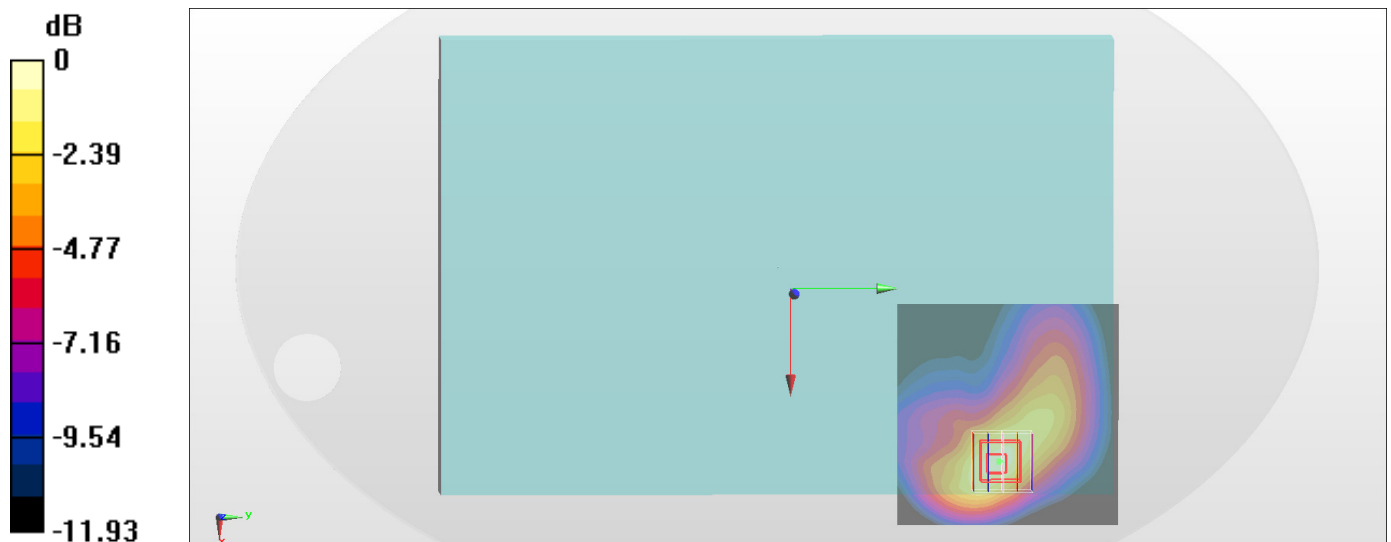
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 36.47 V/m ; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.815 W/kg ; SAR(10 g) = 0.511 W/kg

Maximum value of SAR (measured) = 1.12 W/kg



0 dB = $1.12 \text{ W/kg} = 0.49 \text{ dBW/kg}$

#04_LTE Band 4_20M_QPSK_50_0_Edge 1_0mm_Ch20175

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

Medium: MSL_1750_170117 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.489$ S/m; $\epsilon_r = 54.788$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: EX3DV4 - SN3955; ConvF(8.31, 8.31, 8.31); Calibrated: 2016/11/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (81x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.57 W/kg

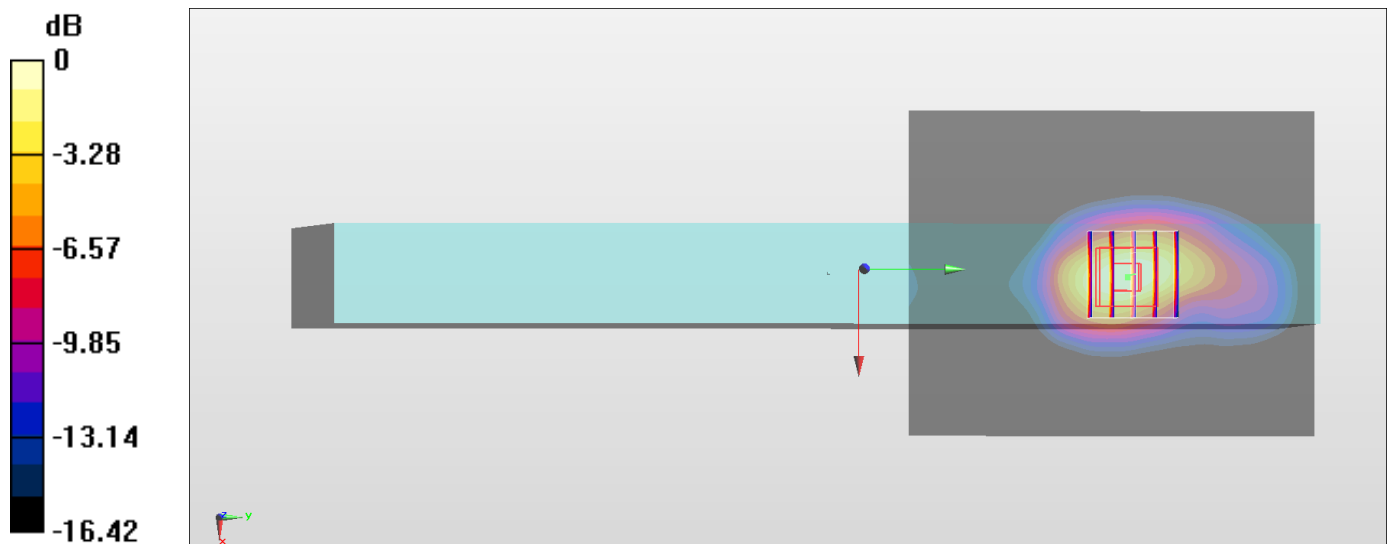
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.83 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.585 W/kg

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



0 dB = 1.51 W/kg = 1.79 dBW/kg

#05_LTE Band 7_20M_QPSK_1_0_Edge 1_0mm_Ch21100

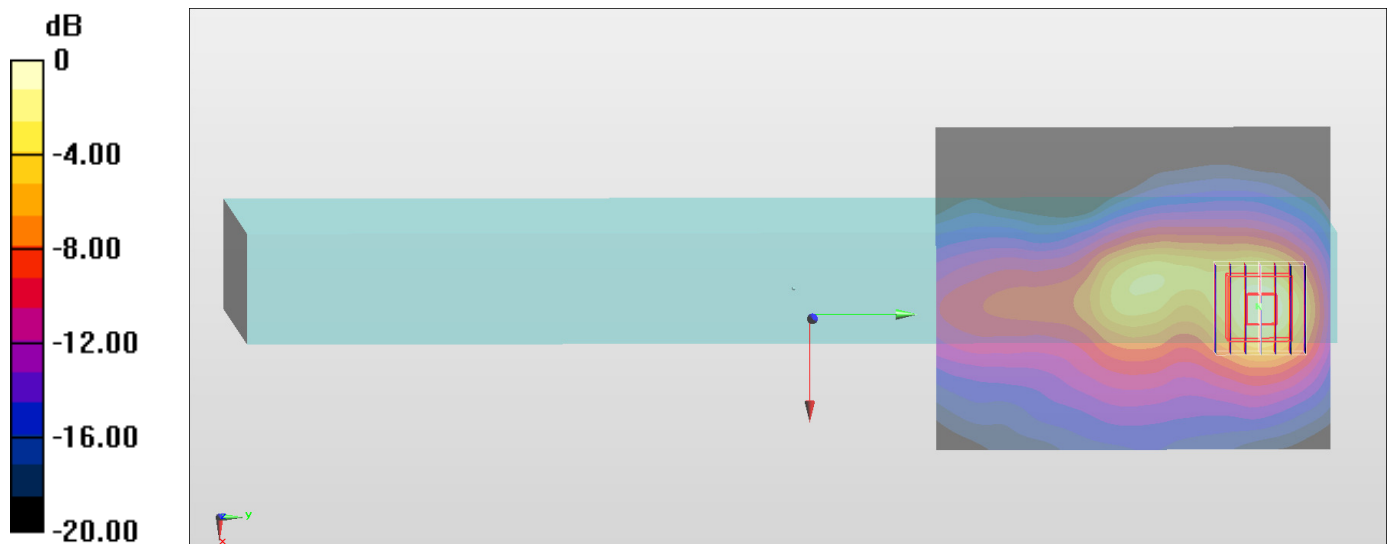
Communication System: LTE; Frequency: 2535 MHz; Duty Cycle: 1:1
 Medium: MSL_2600_170119 Medium parameters used : $f = 2535$ MHz; $\sigma = 2.102$ S/m; $\epsilon_r = 52.785$;
 $\rho = 1000$ kg/m³
 Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration

- Probe: EX3DV4 - SN3955; ConvF(7.42, 7.42, 7.42); Calibrated: 2016/11/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (91x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
 Maximum value of SAR (interpolated) = 1.03 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 16.24 V/m; Power Drift = -0.12 dB
 Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.654 W/kg; SAR(10 g) = 0.309 W/kg
 Maximum value of SAR (measured) = 1.04 W/kg



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

#06_LTE Band 12_10M_QPSK_1_0_Bottom Face_0mm_Ch23095

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

Medium: MSL_750_170112 Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.933$ S/m; $\epsilon_r = 54.321$; $\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: EX3DV4 - SN3925; ConvF(10.18, 10.18, 10.18); Calibrated: 2016/5/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

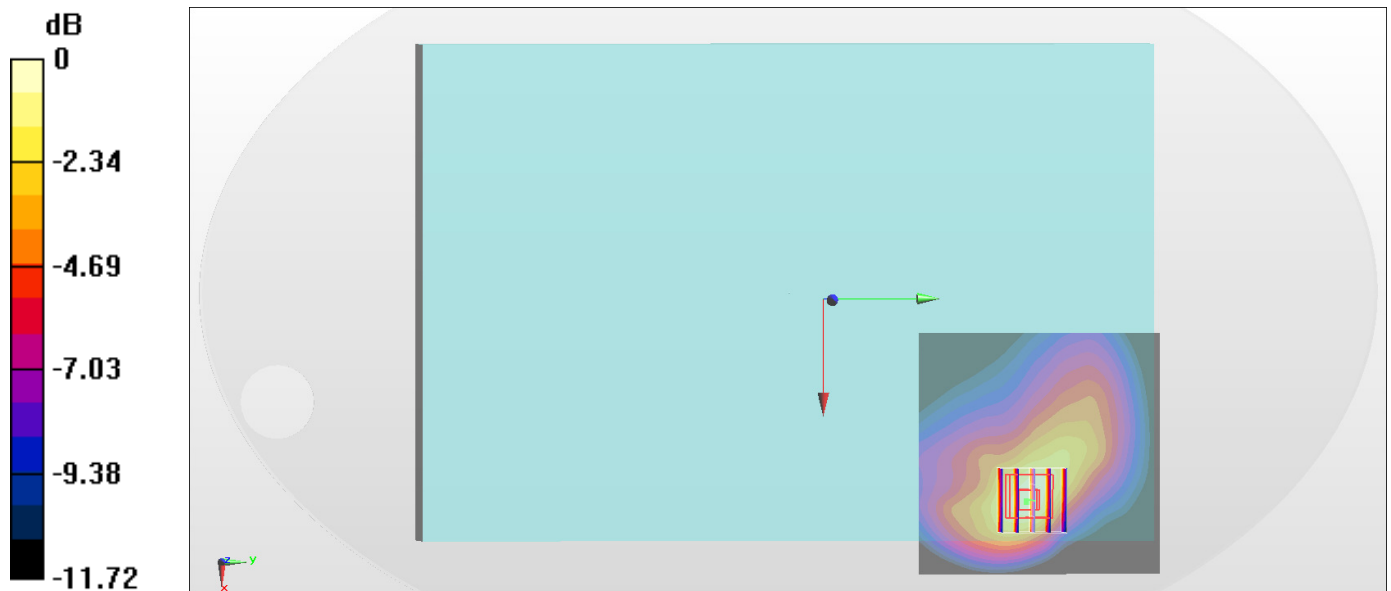
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.46 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.977 W/kg; SAR(10 g) = 0.629 W/kg

Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.32 W/kg = 1.21 dBW/kg

#07_LTE Band 13_10M_QPSK_1_25_Bottom Face_0mm_Ch23230

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

Medium: MSL_750_170112 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 1.004 \text{ S/m}$; $\epsilon_r = 53.484$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration

- Probe: EX3DV4 - SN3925; ConvF(10.18, 10.18, 10.18); Calibrated: 2016/5/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (81x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.914 W/kg

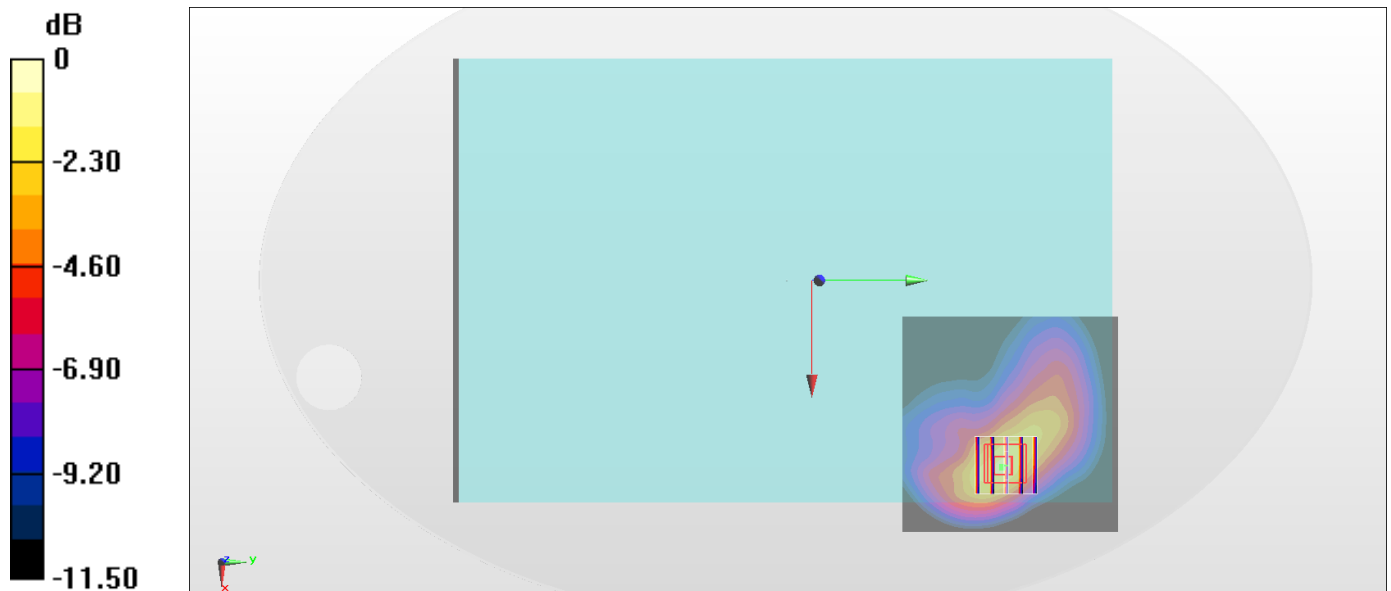
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 30.70 V/m ; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.907 W/kg ; SAR(10 g) = 0.577 W/kg

Maximum value of SAR (measured) = 1.24 W/kg



0 dB = 1.24 W/kg = 0.93 dBW/kg

#08_LTE Band 25_20M_QPSK_1_0_Edge 1_0mm_Ch26140

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_170116 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.489$ S/m; $\epsilon_r = 54.547$; $\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: EX3DV4 - SN3955; ConvF(8, 8, 8); Calibrated: 2016/11/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (81x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.94 W/kg

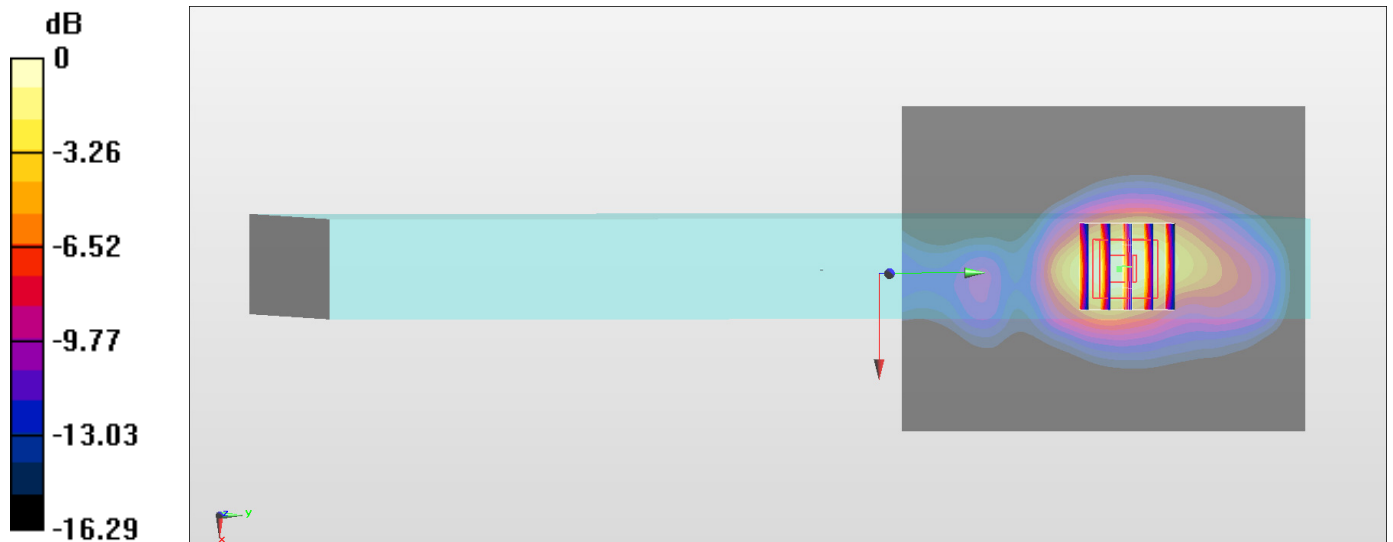
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.95 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.13 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.704 W/kg

Maximum value of SAR (measured) = 1.82 W/kg



0 dB = 1.82 W/kg = 2.60 dBW/kg

#09_LTE Band 26_15M_QPSK_1_0_Bottom Face_0mm_Ch26865

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

Medium: MSL_850_170112 Medium parameters used: $f = 831.5$ MHz; $\sigma = 0.939$ S/m; $\epsilon_r = 55.966$; $\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: EX3DV4 - SN3925; ConvF(9.91, 9.91, 9.91); Calibrated: 2016/5/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (81x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.02 W/kg

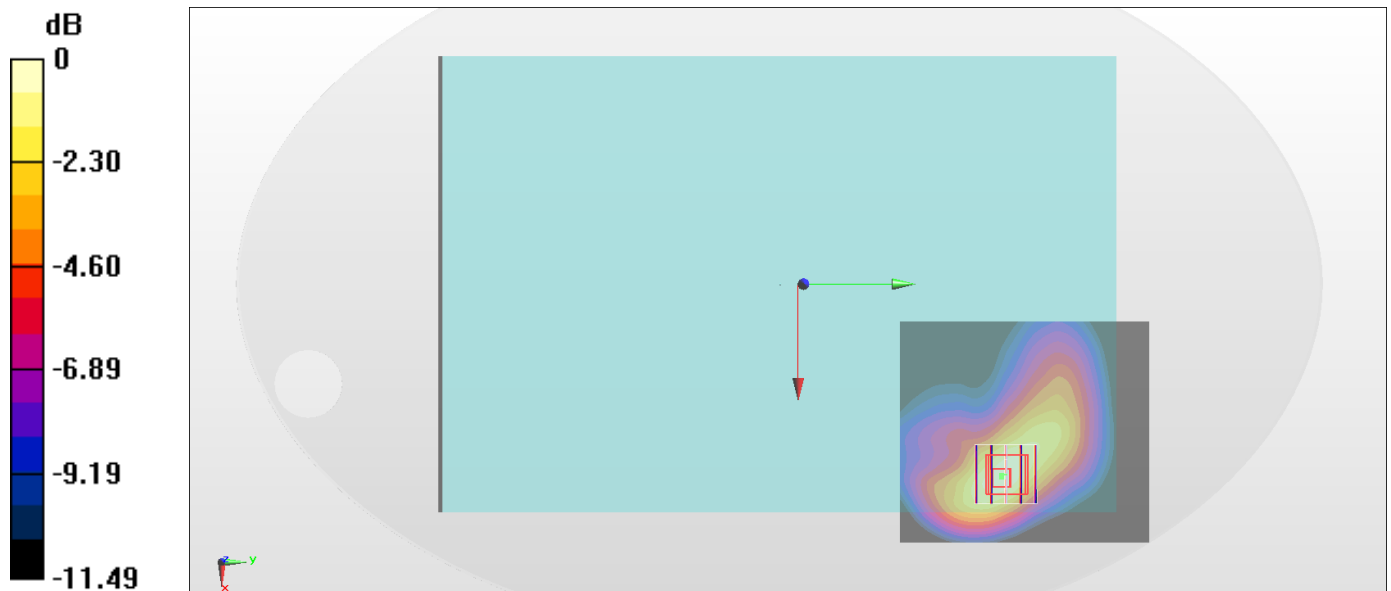
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.13 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.756 W/kg; SAR(10 g) = 0.478 W/kg

Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg = 0.13 dBW/kg

#10_LTE Band 30_10M_QPSK_1_0_Bottom Face_0mm_Ch27710

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

Medium: MSL_2300_170119 Medium parameters used: $f = 2310$ MHz; $\sigma = 1.799$ S/m; $\epsilon_r = 53.631$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °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:1227
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (91x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.24 W/kg

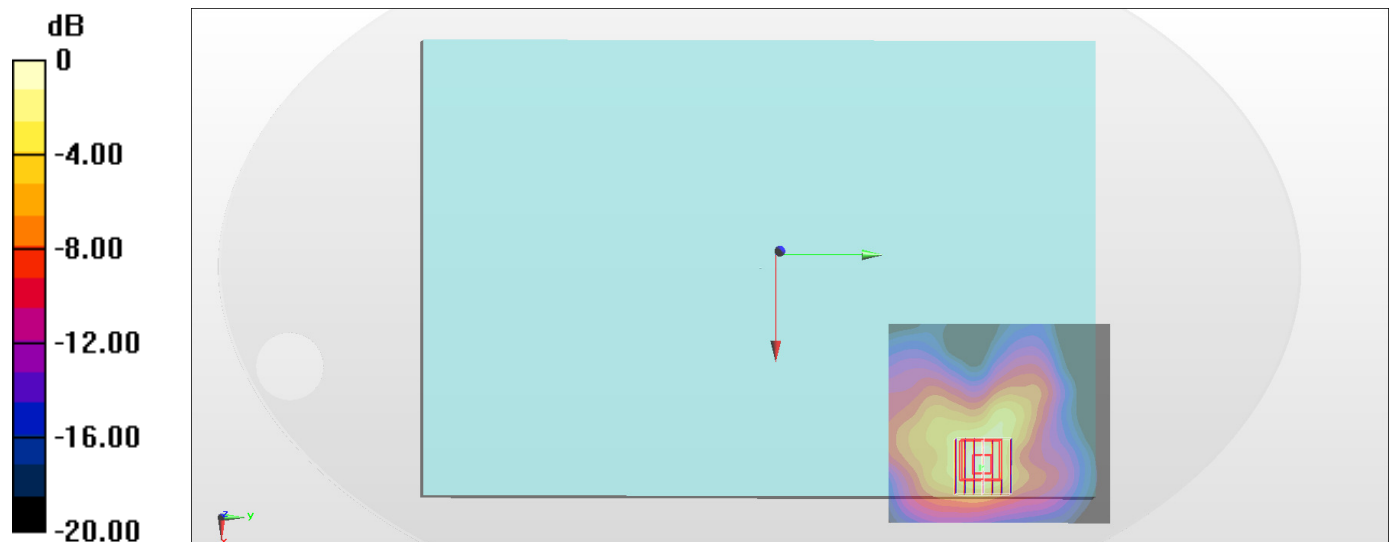
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.21 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.813 W/kg; SAR(10 g) = 0.422 W/kg

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



0 dB = 1.27 W/kg = 1.04 dBW/kg

#11_LTE Band 41_20M_QPSK_1_0_Edge 1_0mm_Ch41490

Communication System: LTE-TDD; Frequency: 2680 MHz; Duty Cycle: 1:1.59

Medium: MSL_2600_170119 Medium parameters used: $f = 2680$ MHz; $\sigma = 2.303$ S/m; $\epsilon_r = 52.242$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °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:1227
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.778 W/kg

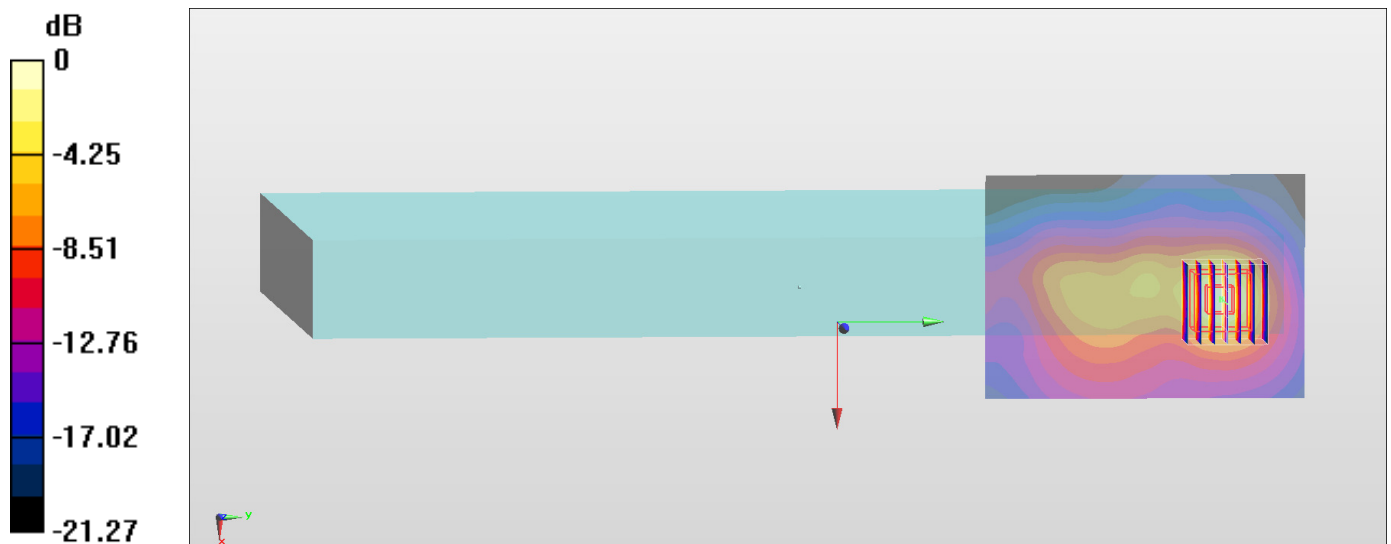
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.26 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.584 W/kg; SAR(10 g) = 0.255 W/kg

Maximum value of SAR (measured) = 0.781 W/kg



0 dB = 0.781 W/kg = -1.07 dBW/kg