

#01_WCDMA II_RMC 12.2Kbps_Bottom of Latop_0mm_Ch9400

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_190327 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.531$ S/m; $\epsilon_r = 54.502$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: ES3DV3 - SN3270; ConvF(4.77, 4.77, 4.77) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

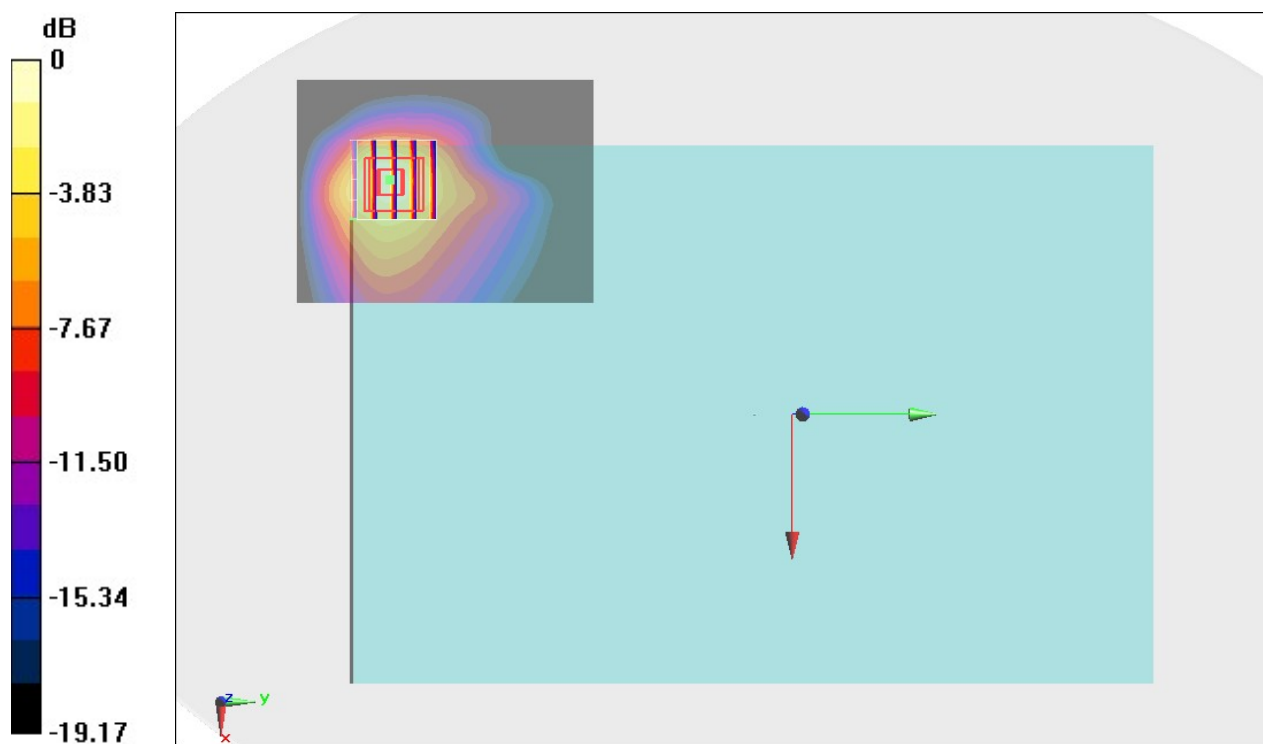
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 29.74 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.564 W/kg

Maximum value of SAR (measured) = 1.45 W/kg



0 dB = 1.45 W/kg = 1.61 dBW/kg

#02_WCDMA IV_RMC 12.2Kbps_Bottom of Latop_0mm_Ch1312

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

Medium: MSL_1750_190328 Medium parameters used : $f = 1712.4$ MHz; $\sigma = 1.449$ S/m; $\epsilon_r = 54.752$; $\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: ES3DV3 - SN3270; ConvF(4.97, 4.97, 4.97) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

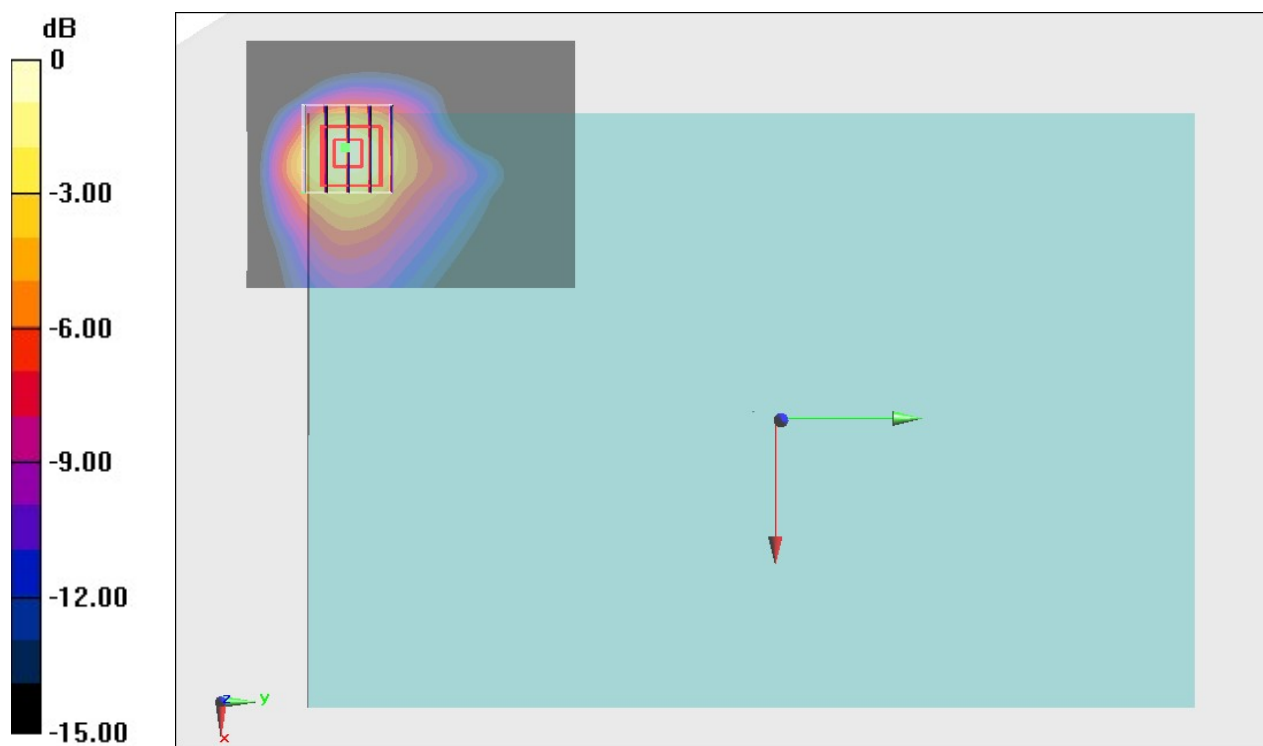
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.52 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.552 W/kg

Maximum value of SAR (measured) = 1.29 W/kg



0 dB = 1.29 W/kg = 1.11 dBW/kg

#03_WCDMA V_RMC 12.2Kbps_Bottom of Laptop_0mm_Ch4233

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

Medium: MSL_850_190327 Medium parameters used: $f = 847$ MHz; $\sigma = 0.988$ S/m; $\epsilon_r = 55.701$; $\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: ES3DV3 - SN3270; ConvF(6.11, 6.11, 6.11) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

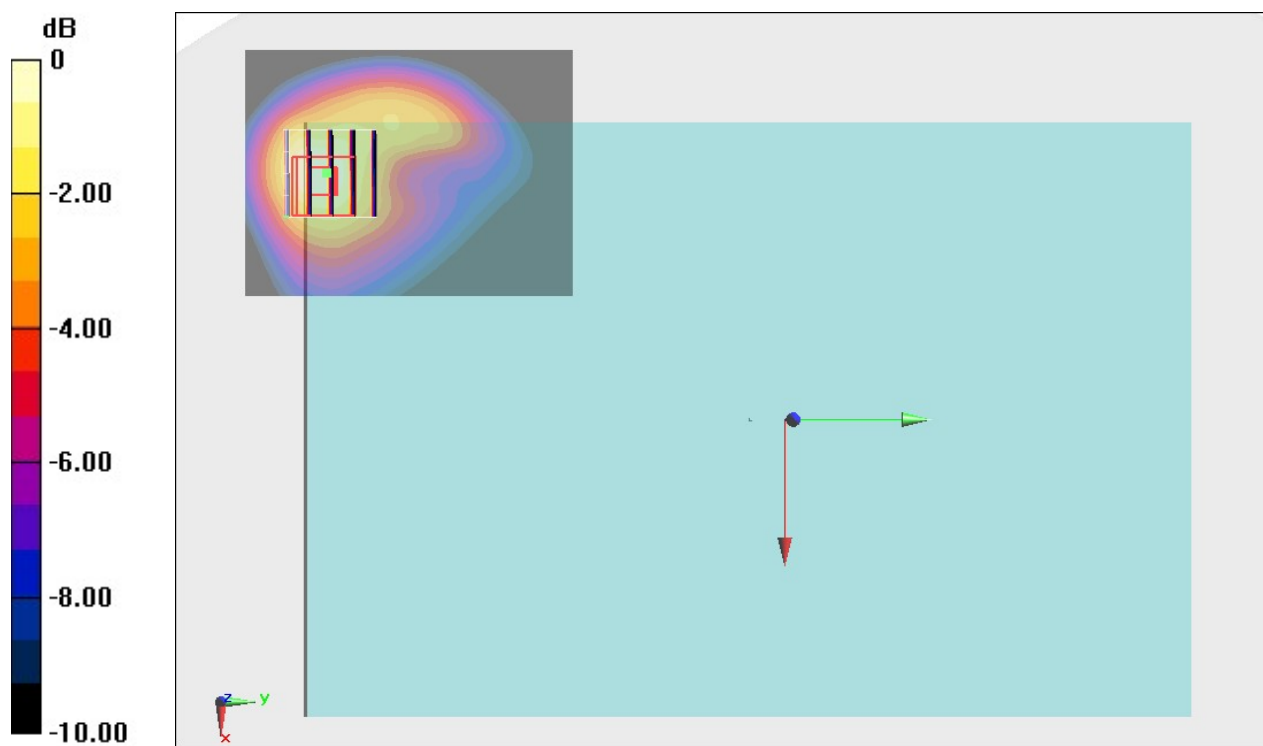
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.39 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.660 W/kg

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



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

#04_LTE Band 7_20M_QPSK_1_0_Bottom of Laptop_0mm_Ch21100

Communication System: LTE ; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: MSL_2600_190328 Medium parameters used : $f = 2535$ MHz; $\sigma = 2.095$ S/m; $\epsilon_r = 52.636$;
 $\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: ES3DV3 - SN3270; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

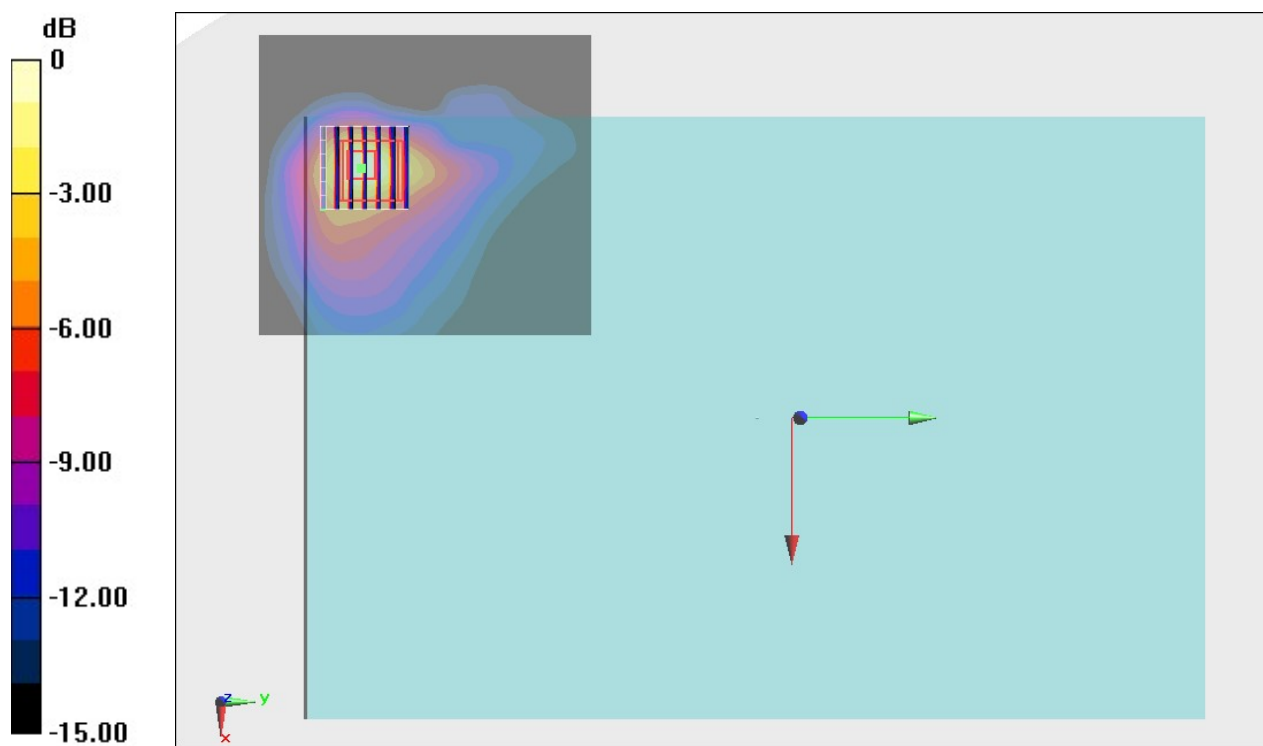
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.90 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 3.12 W/kg

SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.499 W/kg

Maximum value of SAR (measured) = 1.65 W/kg



0 dB = 1.65 W/kg = 2.17 dBW/kg

#05_LTE Band 12_10M_QPSK_1_0_Bottom of Latop_0mm_Ch23095

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

Medium: MSL_750_190326 Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.934$ S/m; $\epsilon_r = 55.609$;
 $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration

- Probe: ES3DV3 - SN3270; ConvF(6.29, 6.29, 6.29) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 1.15 W/kg

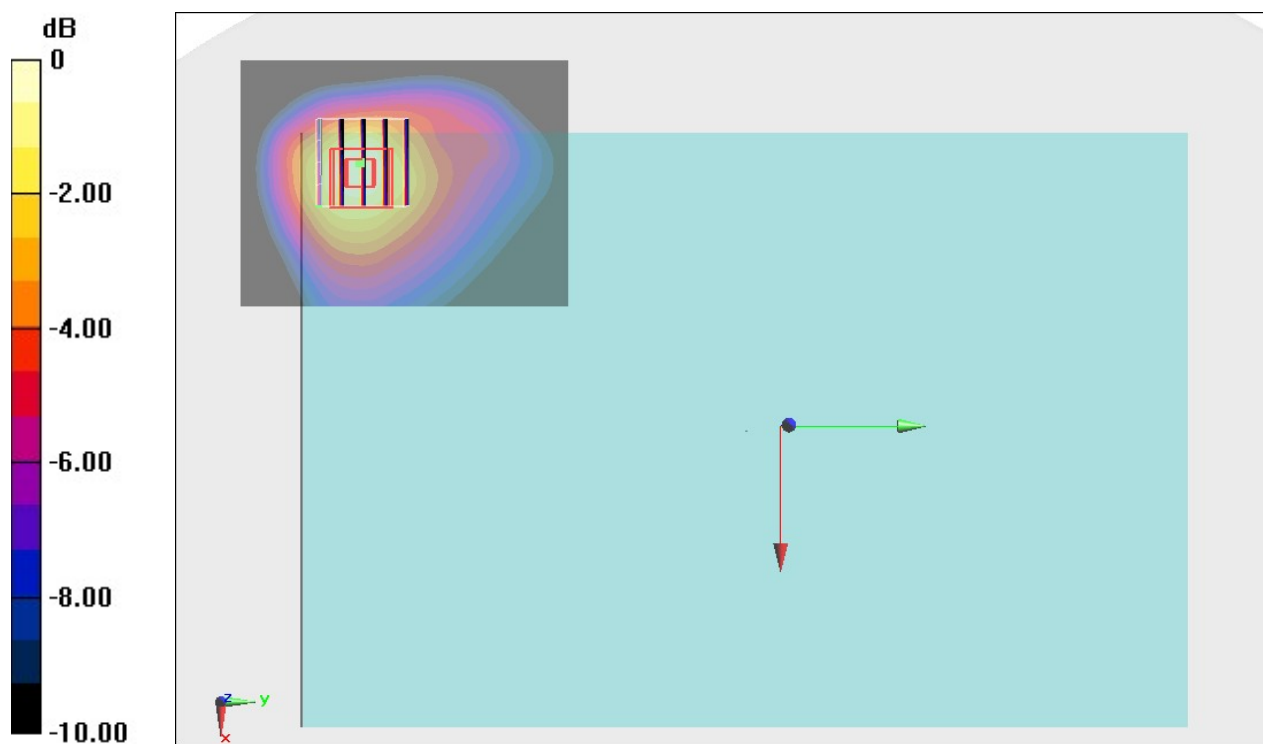
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.07 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.958 W/kg; SAR(10 g) = 0.588 W/kg

Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 1.16 W/kg = 0.64 dBW/kg

#06_LTE Band 13_10M_QPSK_1_0_Bottom of Latop_0mm_Ch23230

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

Medium: MSL_750_190326 Medium parameters used: $f = 782$ MHz; $\sigma = 0.985$ S/m; $\epsilon_r = 54.779$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration

- Probe: ES3DV3 - SN3270; ConvF(6.29, 6.29, 6.29) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 1.28 W/kg

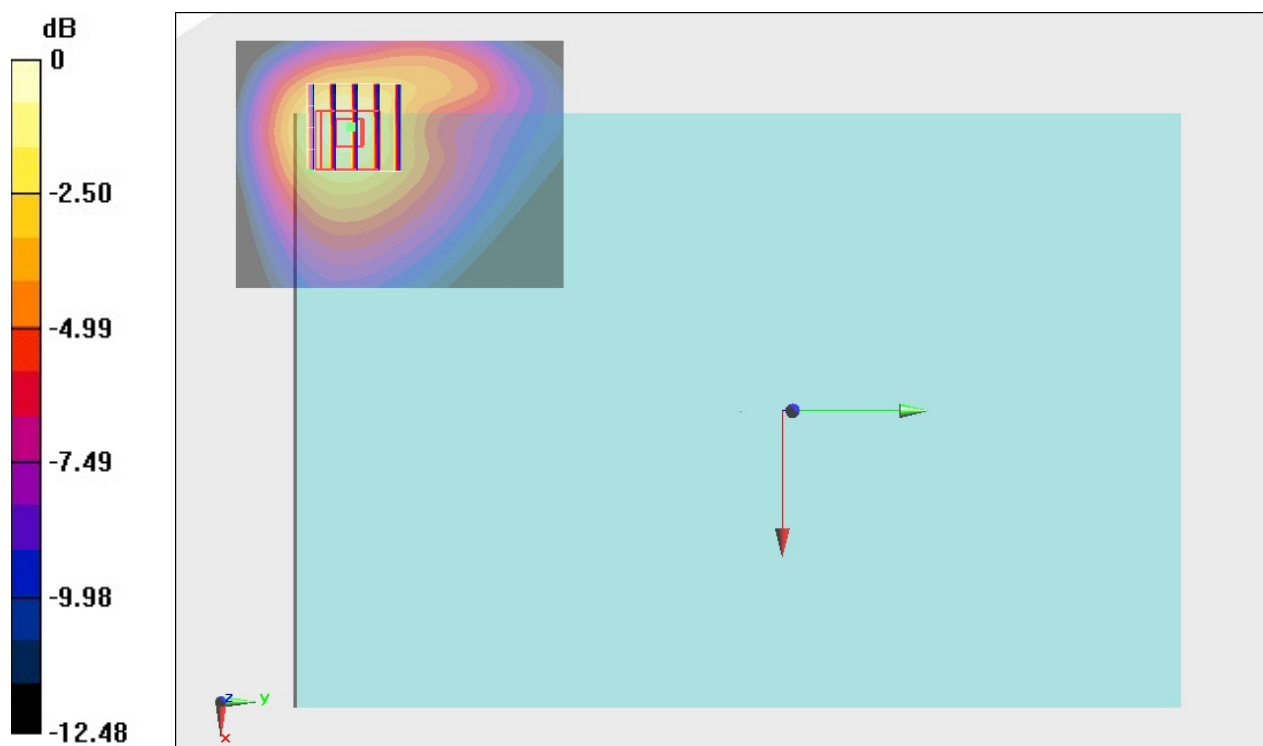
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 34.95 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.636 W/kg

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



0 dB = 1.30 W/kg = 1.14 dBW/kg

#07_LTE Band 14_10M_QPSK_25_0_Bottom of Latop_0mm_Ch23330

Communication System: LTE ; Frequency: 793 MHz; Duty Cycle: 1:1

Medium: MSL_750_190326 Medium parameters used: $f = 793$ MHz; $\sigma = 0.998$ S/m; $\epsilon_r = 54.759$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration

- Probe: ES3DV3 - SN3270; ConvF(6.29, 6.29, 6.29) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

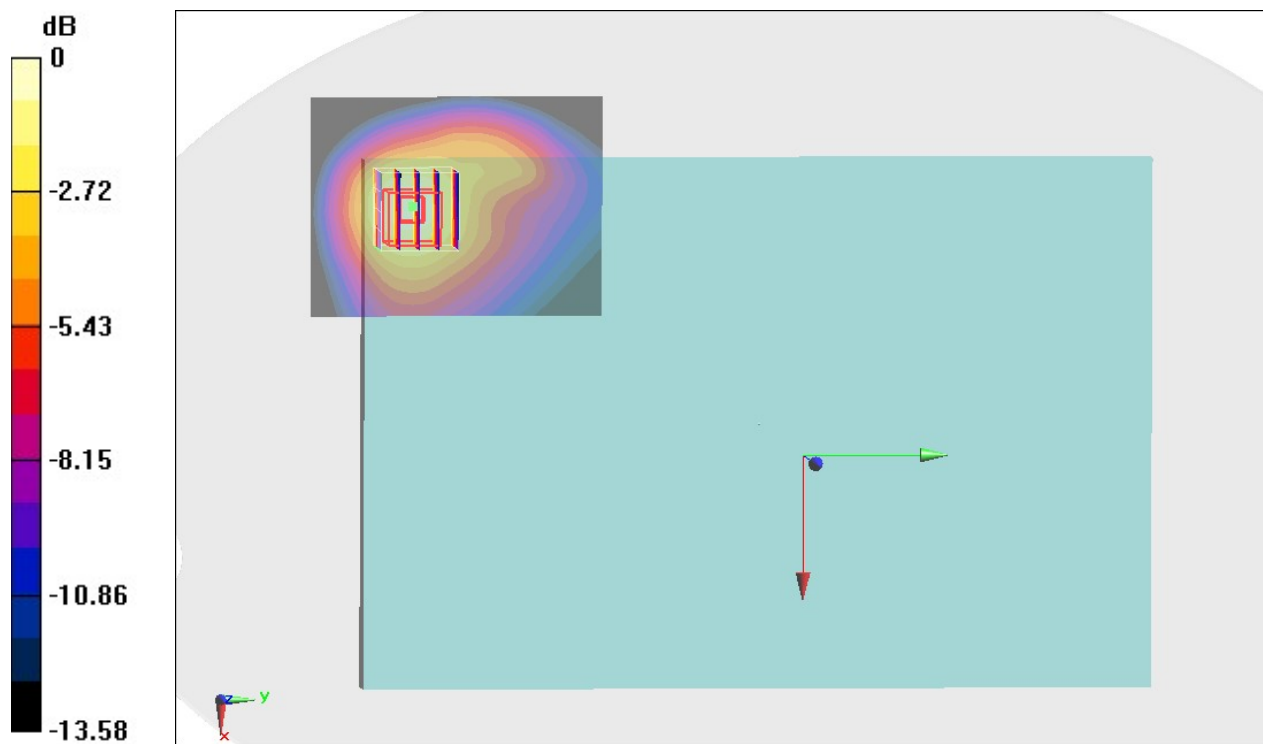
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.33 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 1 W/kg; SAR(10 g) = 0.600 W/kg

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



#08_LTE Band 25_20M_QPSK_1_0_Bottom of Laptop_0mm_Ch26140

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

Medium: MSL_1900_190327 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.511$ S/m; $\epsilon_r = 54.588$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: ES3DV3 - SN3270; ConvF(4.77, 4.77, 4.77) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 1.60 W/kg

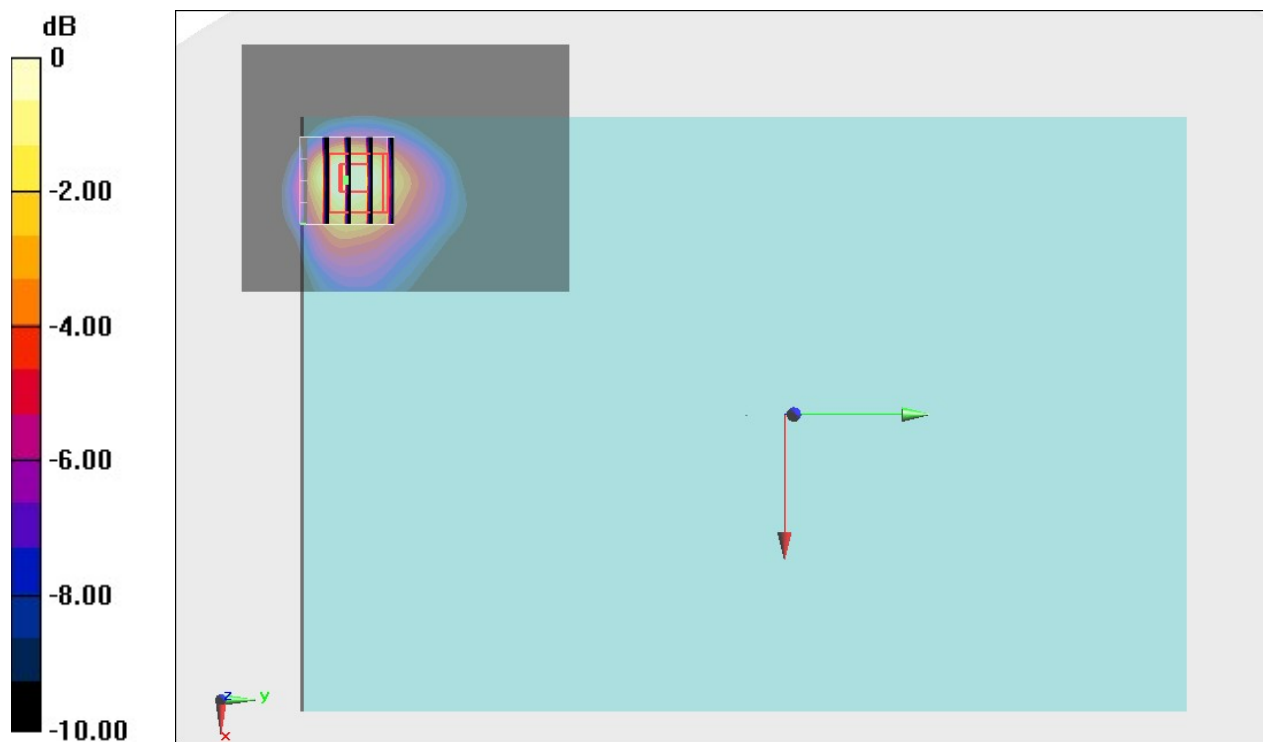
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 27.86 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.571 W/kg

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



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

#09_LTE Band 26_15M_QPSK_75_0_Bottom of Laptop_0mm_Ch26865

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

Medium: MSL_850_190327 Medium parameters used : $f = 831.5$ MHz; $\sigma = 0.973$ S/m; $\epsilon_r = 55.837$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: ES3DV3 - SN3270; ConvF(6.11, 6.11, 6.11) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Area Scan (71x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.28 W/kg

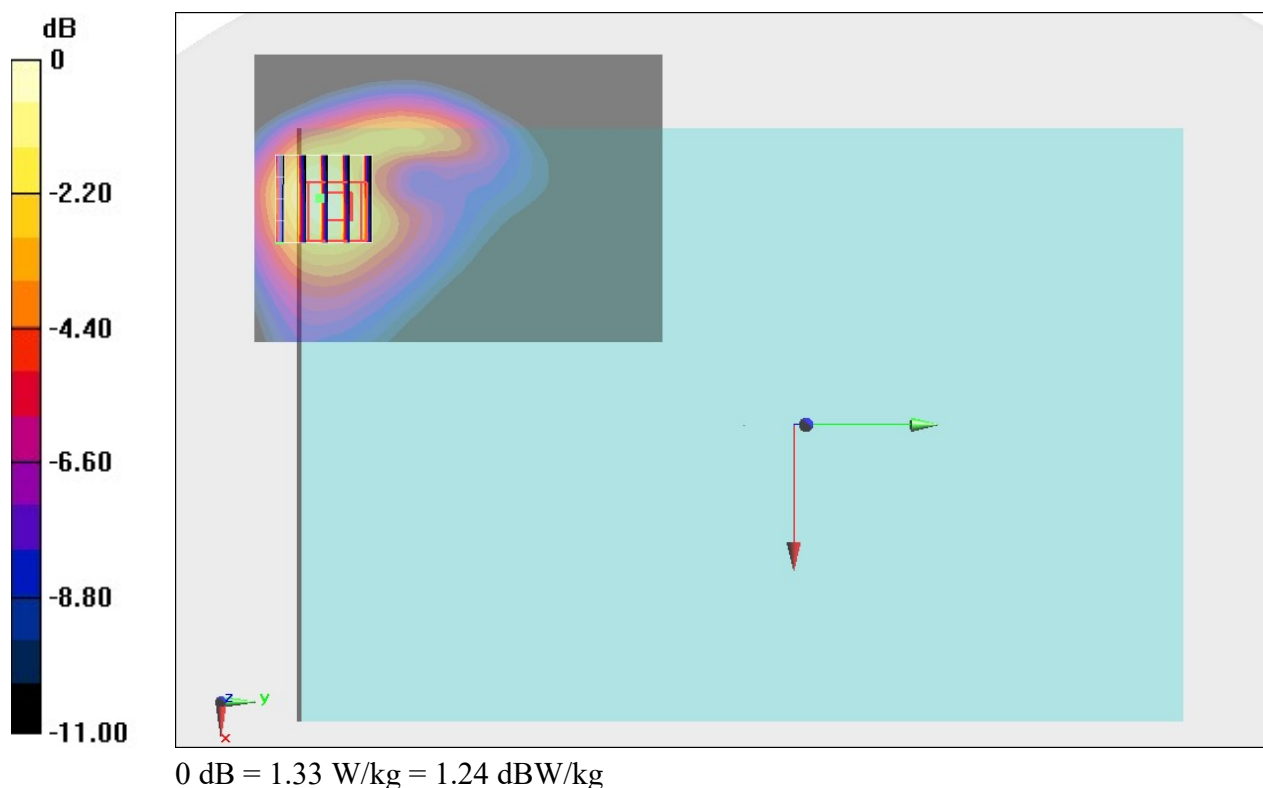
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.78 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.636 W/kg

Maximum value of SAR (measured) = 1.33 W/kg



#10_LTE Band 30_10M_QPSK_25_0_Bottom of Latop_0mm_Ch27710

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

Medium: MSL_2300_190329 Medium parameters used: $f = 2310$ MHz; $\sigma = 1.773$ S/m; $\epsilon_r = 53.489$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: ES3DV3 - SN3169; ConvF(4.5, 4.5, 4.5) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.18 W/kg

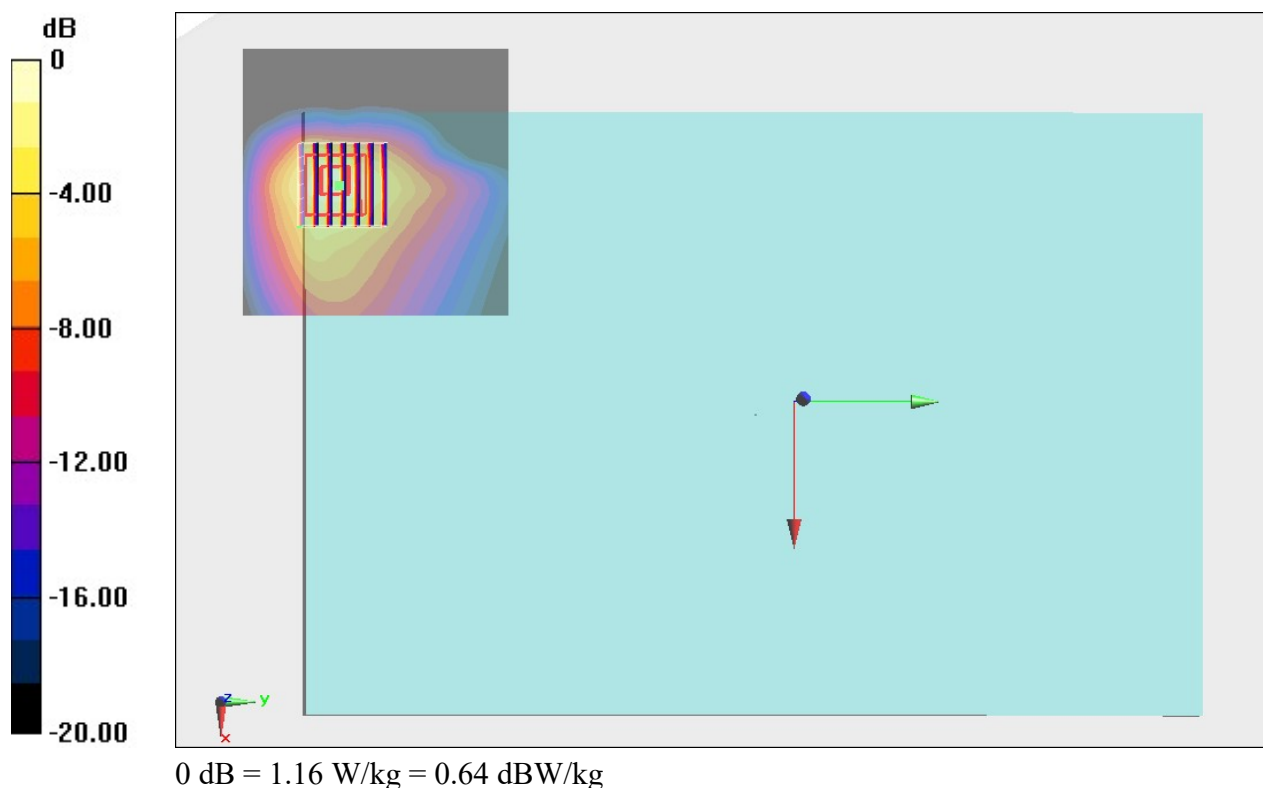
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.95 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.03 W/kg

SAR(1 g) = 0.871 W/kg; SAR(10 g) = 0.399 W/kg

Maximum value of SAR (measured) = 1.16 W/kg



#11_LTE Band 66_20M_QPSK_1_0_Bottom of Latop_0mm_Ch132072

Communication System: LTE ; Frequency: 1720 MHz;Duty Cycle: 1:1

Medium: MSL_1750_190328 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.456$ S/m; $\epsilon_r = 54.726$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: ES3DV3 - SN3270;ConvF(4.97, 4.97, 4.97) ;Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

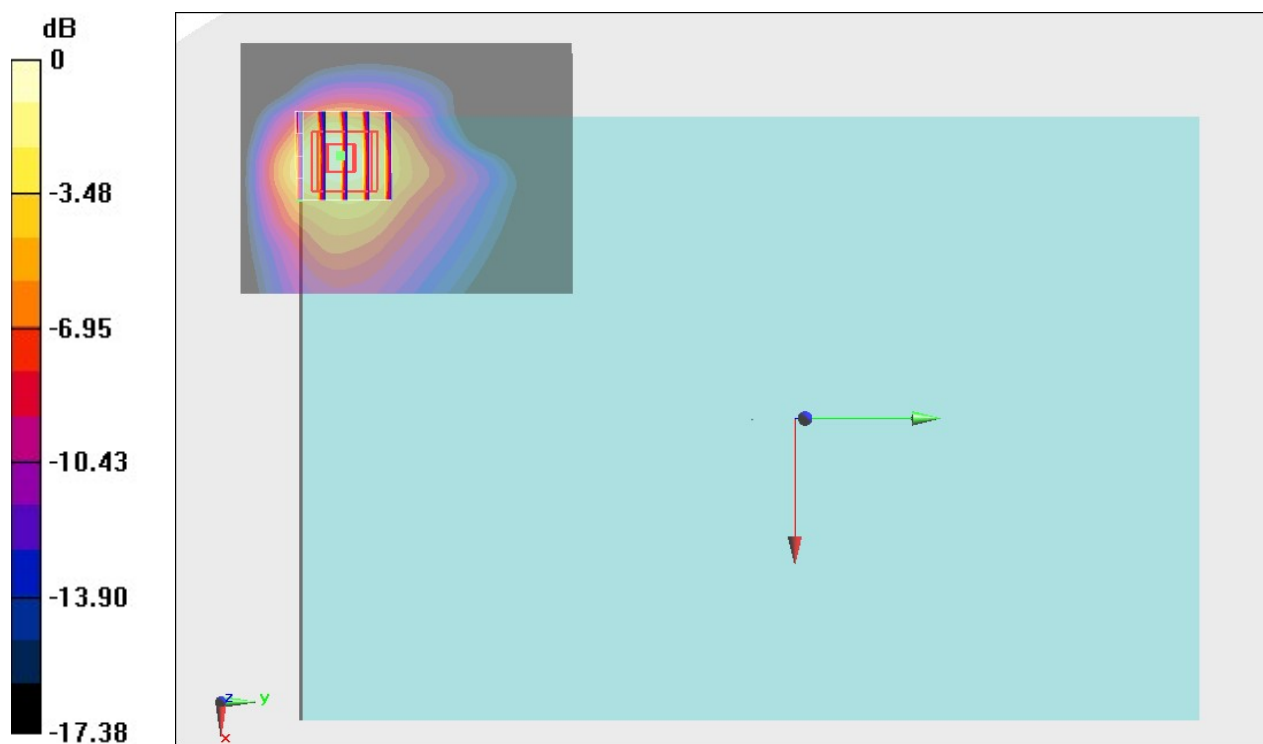
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 31.11 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.583 W/kg

Maximum value of SAR (measured) = 1.38 W/kg



0 dB = 1.38 W/kg = 1.40 dBW/kg

#12_LTE Band 41_20M_QPSK_1_0_Bottom of Latop_0mm_Ch40185

Communication System: LTE; Frequency: 2549.5 MHz; Duty Cycle: 1:1.59

Medium: MSL_2600_190329 Medium parameters used: $f = 2550$ MHz; $\sigma = 2.128$ S/m; $\epsilon_r = 52.759$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: ES3DV3 - SN3270; ConvF(4.24, 4.24, 4.24) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

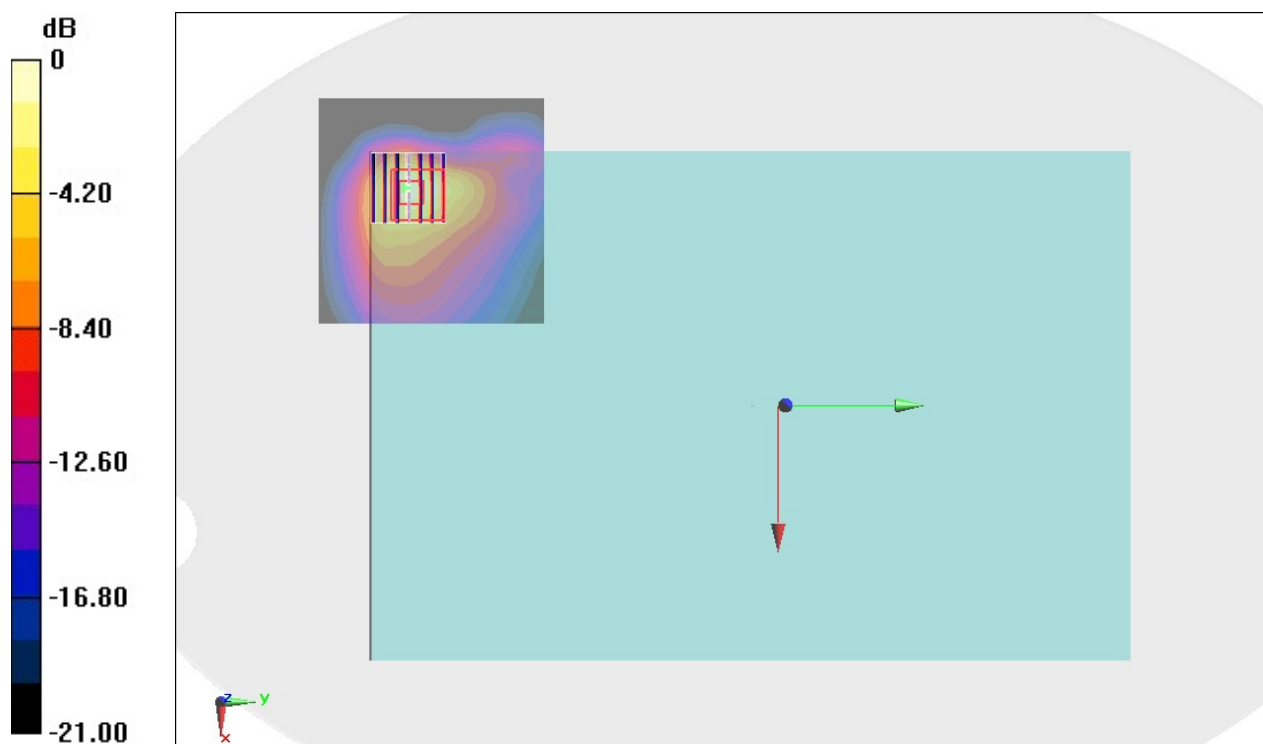
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.21 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.56 W/kg

SAR(1 g) = 0.997 W/kg; SAR(10 g) = 0.396 W/kg

Maximum value of SAR (measured) = 1.39 W/kg



0 dB = 1.39 W/kg = 1.43 dBW/kg