

#22_GSM850_GPRS (2 Tx slot)_Back_5mm_Sensor on_Ch128

Communication System: UID 0, GSM850-2UP (0); Frequency: 824.2 MHz; Duty Cycle: 1:4.15
Medium: MSL_835 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.973$ S/m; $\epsilon_r = 57.4$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(9.03, 9.03, 9.03); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch128/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.25 W/kg

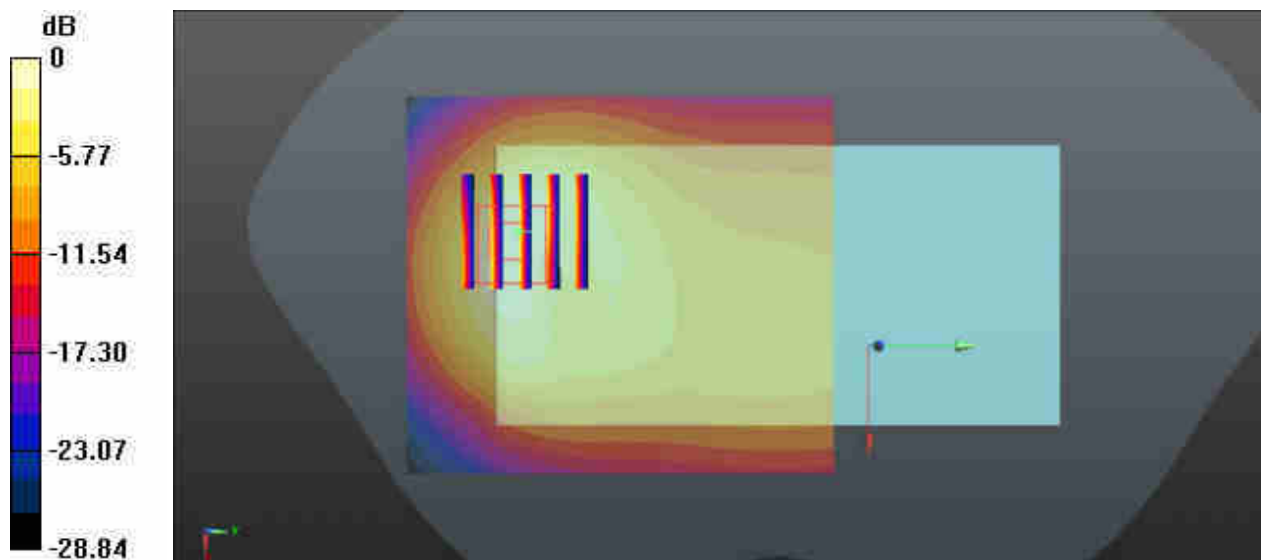
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.43 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.95 W/kg

SAR(1 g) = 0.968 W/kg; SAR(10 g) = 0.508 W/kg

Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.25 W/kg = 0.97 dBW/kg

#23_GSM1900_GPRS (2 Tx slot)_Back_5mm_Sensor on_Ch661

Communication System: UID 0, PCS-2UP (0); Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: MSL_1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.502$ S/m; $\epsilon_r = 51.644$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.07, 7.07, 7.07); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch661/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.46 W/kg

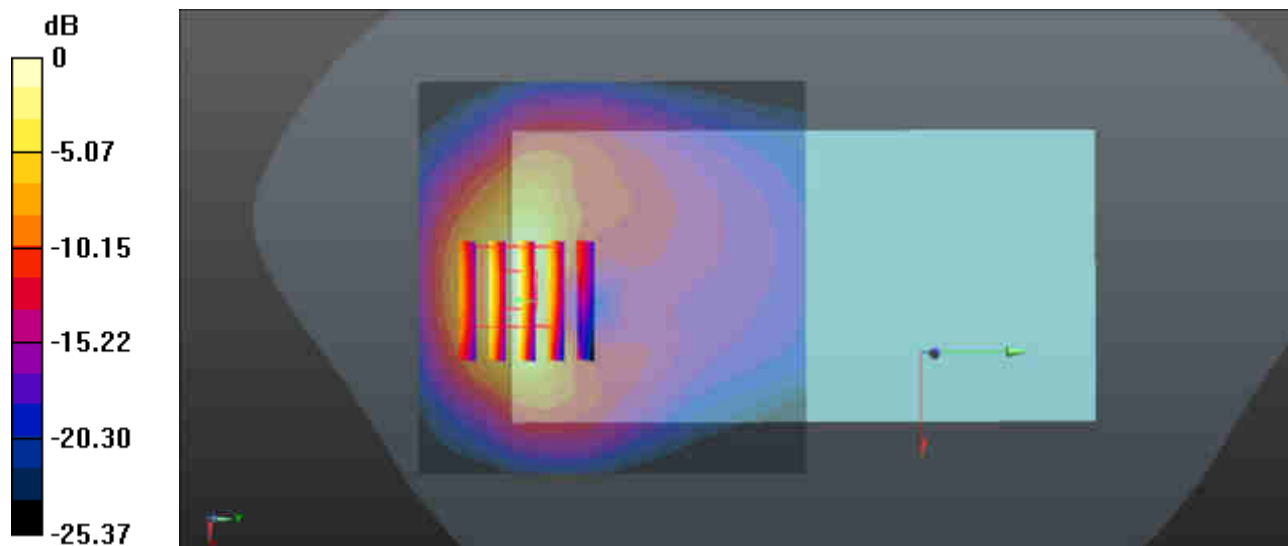
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.994 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.29 W/kg

SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.551 W/kg

Maximum value of SAR (measured) = 1.52 W/kg



0 dB = 1.52 W/kg = 1.82 dBW/kg

#24_WCDMA V_RMC12.2Kbps_Back_5mm_Ch4233

Communication System: UID 0, WCDMA (0); Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium: MSL_835 Medium parameters used: $f = 847$ MHz; $\sigma = 0.995$ S/m; $\epsilon_r = 57.184$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(9.03, 9.03, 9.03); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch4233/Area Scan (71x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

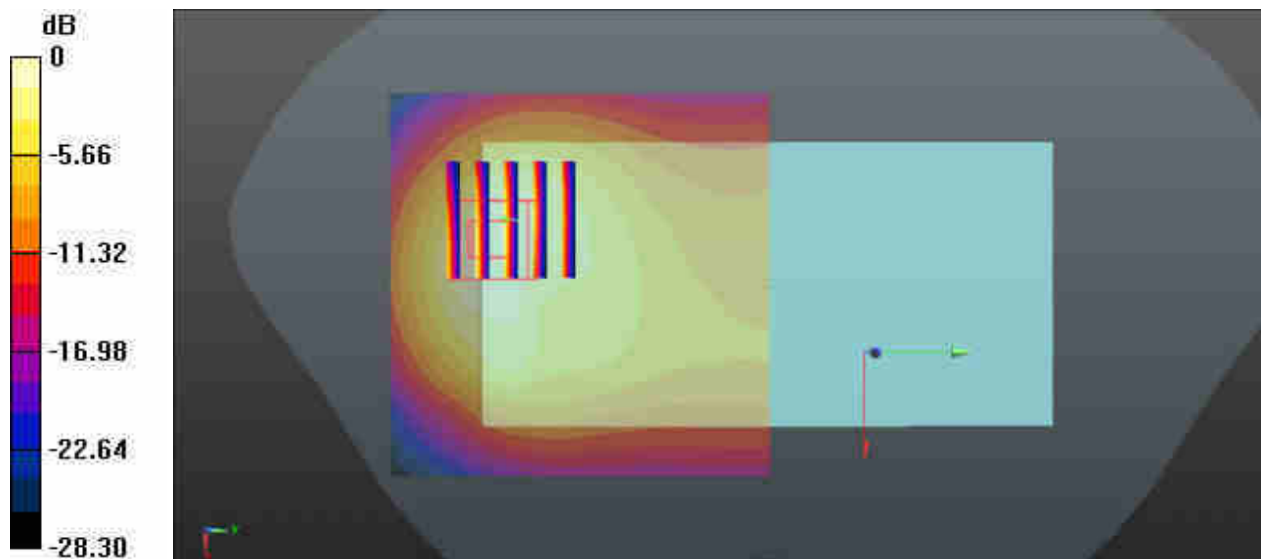
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.72 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.41 W/kg

SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.625 W/kg

Maximum value of SAR (measured) = 1.48 W/kg



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

#25_WCDMA IV_RMC12.2Kbps_Back_5mm_Ch1413

Communication System: UID 0, WCDMA (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1
Medium: MSL_1750 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.504$ S/m; $\epsilon_r = 54.131$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(5.01, 5.01, 5.01); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM2; Type: SAM; Serial: TP:1754
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch1413/Area Scan (71x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.63 W/kg

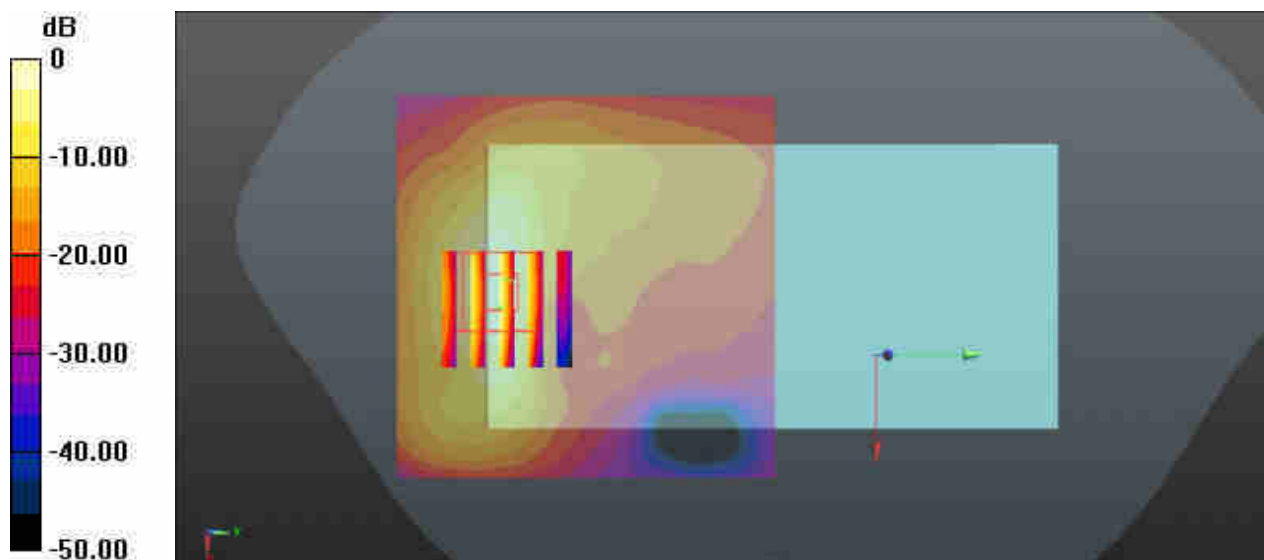
Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.593 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.37 W/kg

SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.605 W/kg

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



0 dB = 1.63 W/kg = 2.12 dBW/kg

#26_WCDMA II_RMC12.2Kbps_Back_5mm_Ch9262

Communication System: UID 0, WCDMA (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1
Medium: MSL_1900 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.473$ S/m; $\epsilon_r = 51.721$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(4.74, 4.74, 4.74); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM2; Type: SAM; Serial: TP:1754
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch9262/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

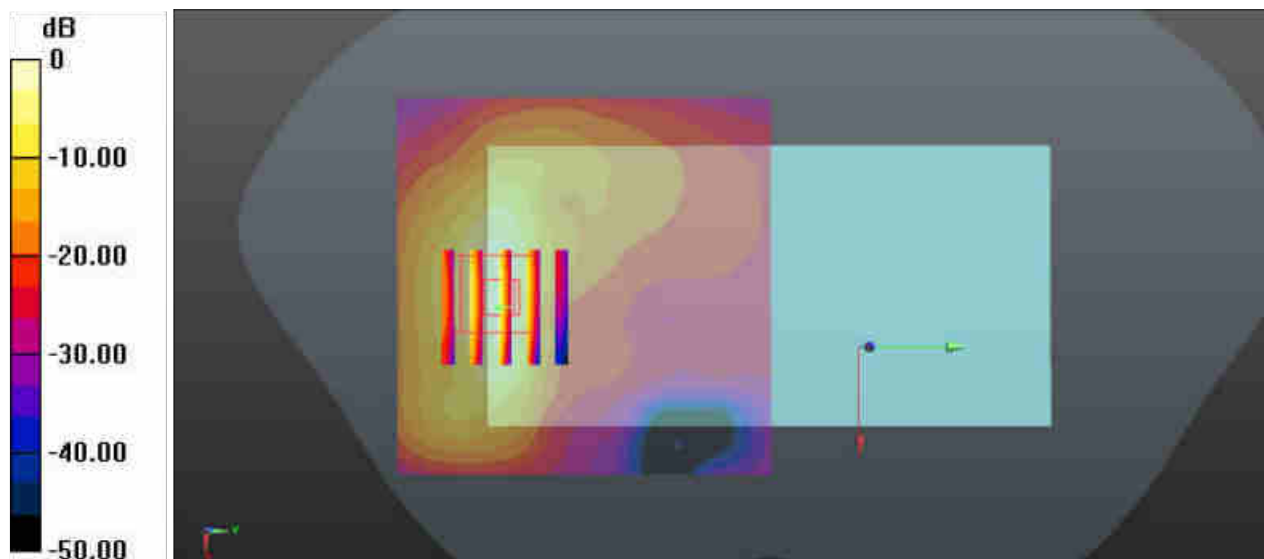
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.655 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.21 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.517 W/kg

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



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

#27_CDMA BC0_RTAP 153.6Kbps_Back_5mm_Ch777

Communication System: UID 0, CDMA (0); Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium: MSL_835 Medium parameters used: $f = 848.31$ MHz; $\sigma = 0.996$ S/m; $\epsilon_r = 57.176$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4-SN3843; ConvF(9.03, 9.03, 9.03); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch777/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.62 W/kg

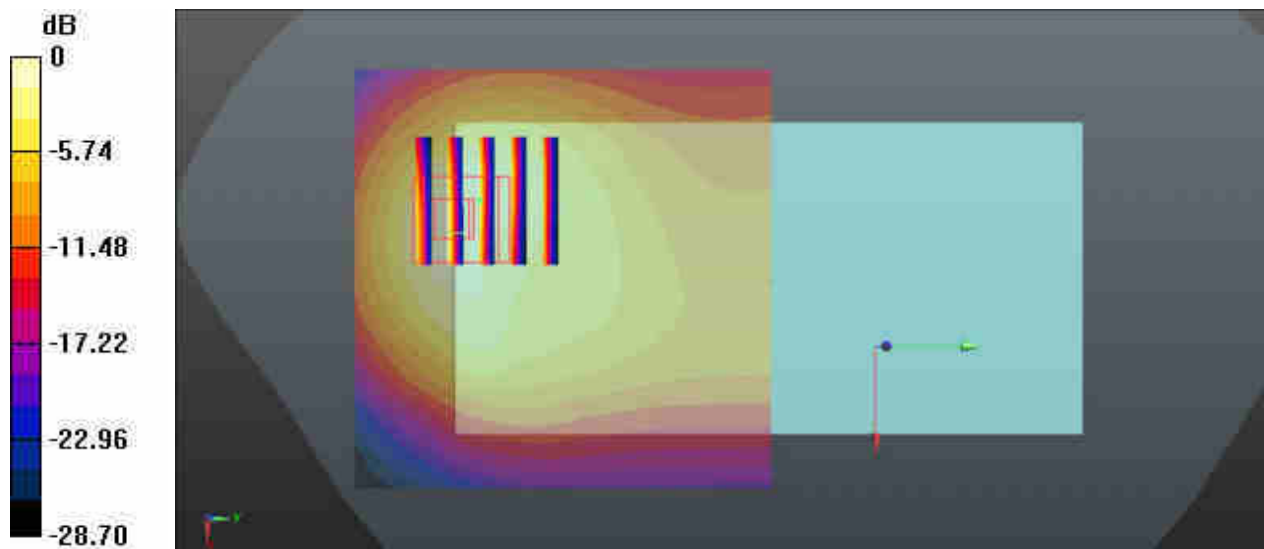
Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.81 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.39 W/kg

SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.626 W/kg

Maximum value of SAR (measured) = 1.52 W/kg



0 dB = 1.62 W/kg = 2.10 dBW/kg

#28_CDMA BC1_RTAP 153.6Kbps_Back_5mm_Ch1175

Communication System: UID 0, CDMA (0); Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium: MSL_1900 Medium parameters used: $f = 1909$ MHz; $\sigma = 1.535$ S/m; $\epsilon_r = 51.551$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4-SN3843; ConvF(7.07, 7.07, 7.07); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch1175/Area Scan (71x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.00 W/kg

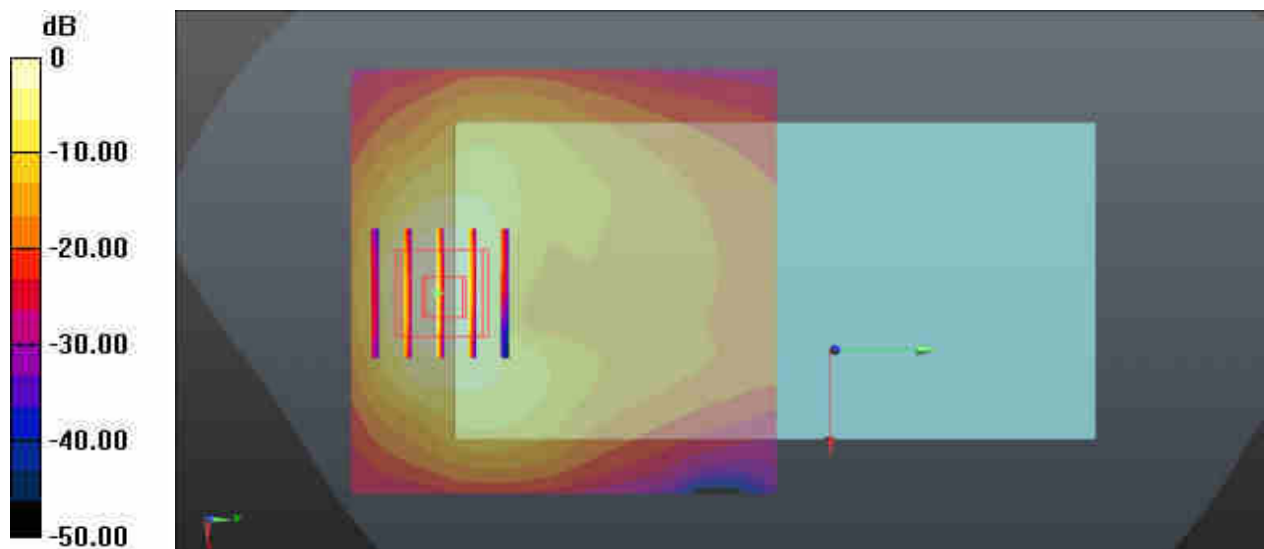
Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.005 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.89 W/kg

SAR(1 g) = 0.969 W/kg; SAR(10 g) = 0.448 W/kg

Maximum value of SAR (measured) = 1.20 W/kg



0 dB = 1.00 W/kg = 0.00 dBW/kg

#29_CDMA BC10_RTAP 153.6Kbps_Back_5mm_Ch684

Communication System: UID 0, CDMA (0); Frequency: 823.1 MHz; Duty Cycle: 1:1

Medium: MSL_835 Medium parameters used: $f = 823.1$ MHz; $\sigma = 0.972$ S/m; $\epsilon_r = 57.411$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(9.03, 9.03, 9.03); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch684/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.40 W/kg

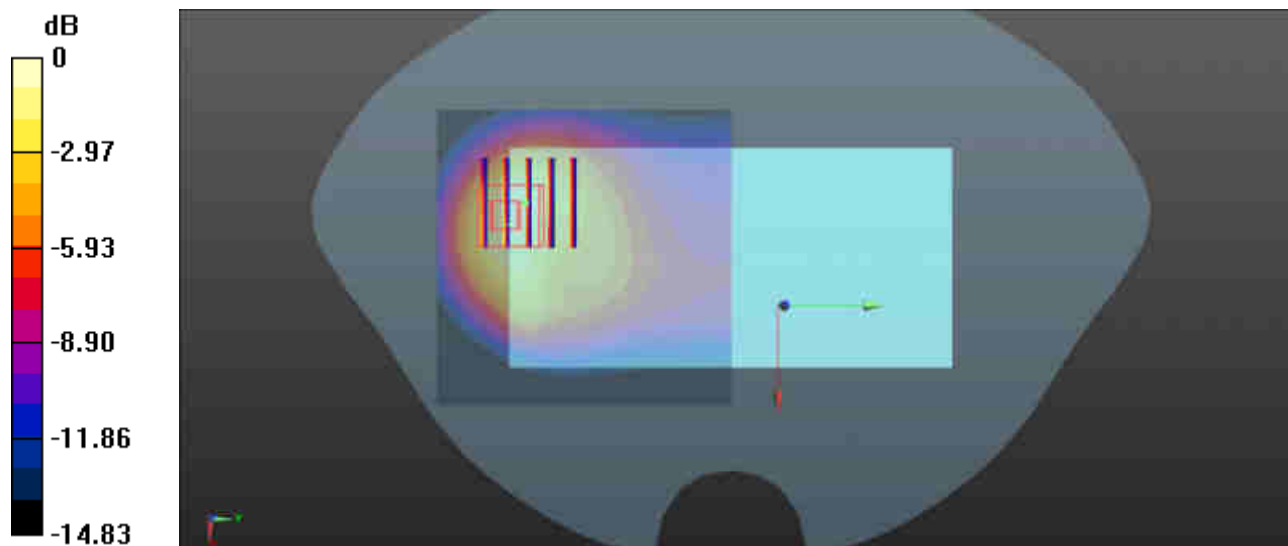
Ch684/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.62 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.23 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.571 W/kg

Maximum value of SAR (measured) = 1.40 W/kg



0 dB = 1.40 W/kg = 1.46 dBW/kg

#30_LTE Band 71_20M_QPSK_1RB_0Offset_Back_5mm_Ch133322

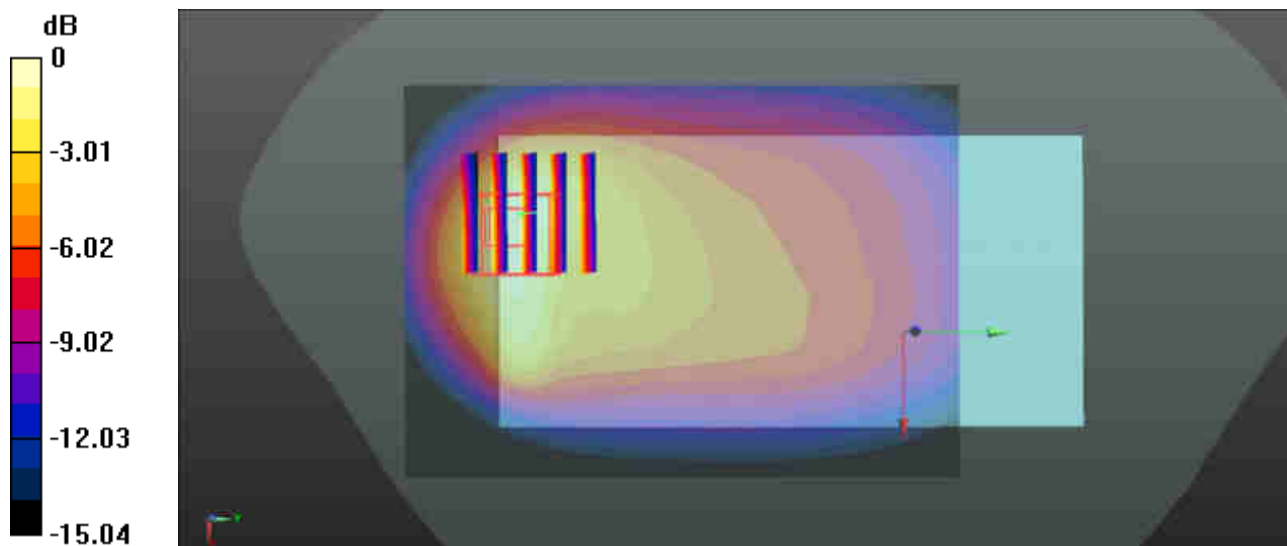
Communication System: UID 0, LTE-FDD (0); Frequency: 683 MHz; Duty Cycle: 1:1
Medium: MSL_750 Medium parameters used: $f = 683$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 57.015$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(9.31, 9.31, 9.31); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch133322/Area Scan (71x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.13 W/kg

Ch133322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.073 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.679 W/kg; SAR(10 g) = 0.372 W/kg
Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.11 W/kg = 0.45 dBW/kg

#31_LTE Band 12_10M_QPSK_1RB_49Offset_Back_5mm_Ch23095

Communication System: UID 0, LTE-FDD (0); Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium: MSL_750 Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.925$ S/m; $\epsilon_r = 56.799$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- PrProbe: EX3DV4-SN3843; ConvF(9.31, 9.31, 9.31); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch23095/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.865 W/kg

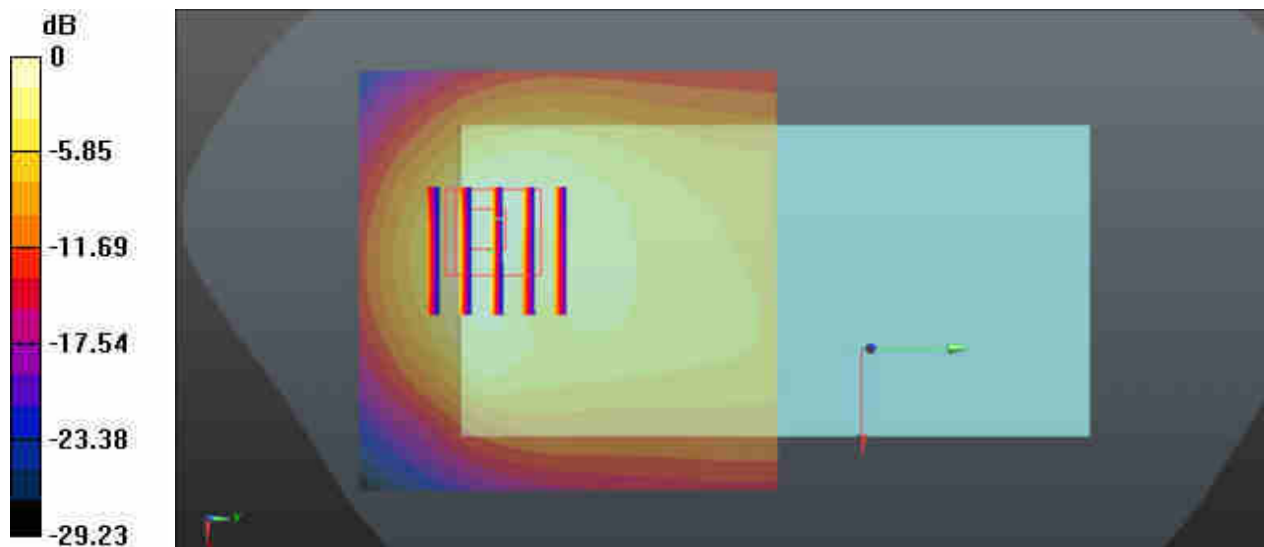
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.649 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.677 W/kg; SAR(10 g) = 0.365 W/kg

Maximum value of SAR (measured) = 0.883 W/kg



0 dB = 0.865 W/kg = -0.63 dBW/kg

#32_LTE Band 13_10M_QPSK_1RB_0Offset_Back_5mm_Ch23230

Communication System: UID 0, LTE-FDD (0); Frequency: 782 MHz; Duty Cycle: 1:1
Medium: MSL_750 Medium parameters used: $f = 782$ MHz; $\sigma = 0.997$ S/m; $\epsilon_r = 56.128$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(9.31, 9.31, 9.31); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch23230/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

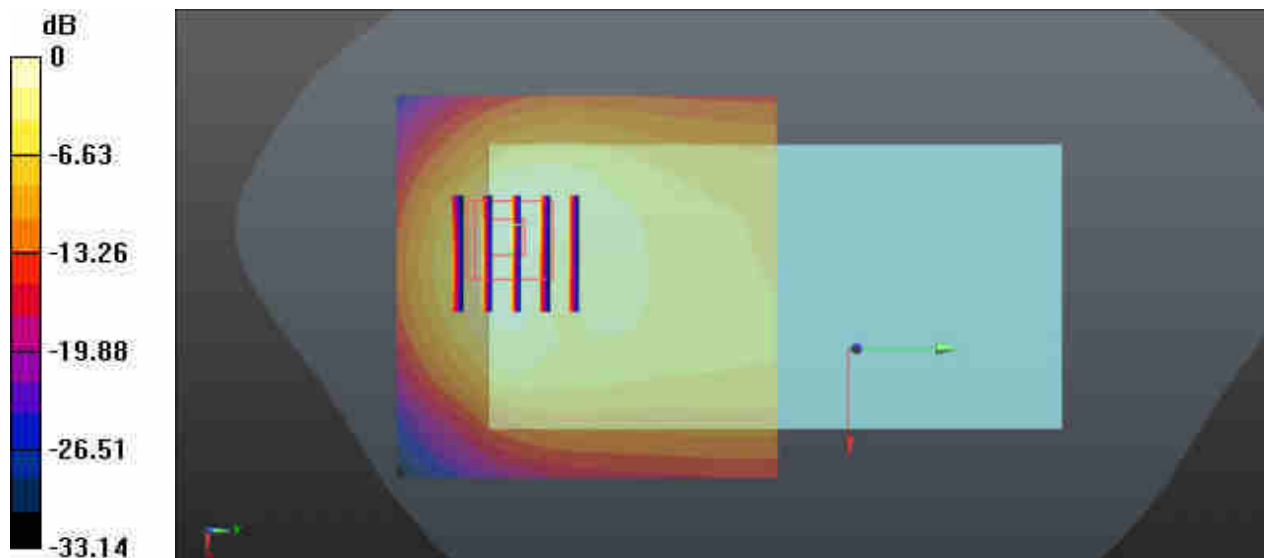
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.84 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.03 W/kg

SAR(1 g) = 0.975 W/kg; SAR(10 g) = 0.514 W/kg

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



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

#33_LTE Band 26_15M_QPSK_1RB_0Offset_Back_5mm_Ch26865

Communication System: UID 0, LTE-FDD (0); Frequency: 831.5 MHz; Duty Cycle: 1:1
Medium: MSL_835 Medium parameters used: $f = 831.5$ MHz; $\sigma = 0.98$ S/m; $\epsilon_r = 57.331$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(9.03, 9.03, 9.03); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch26865/Area Scan (71x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 1.32 W/kg

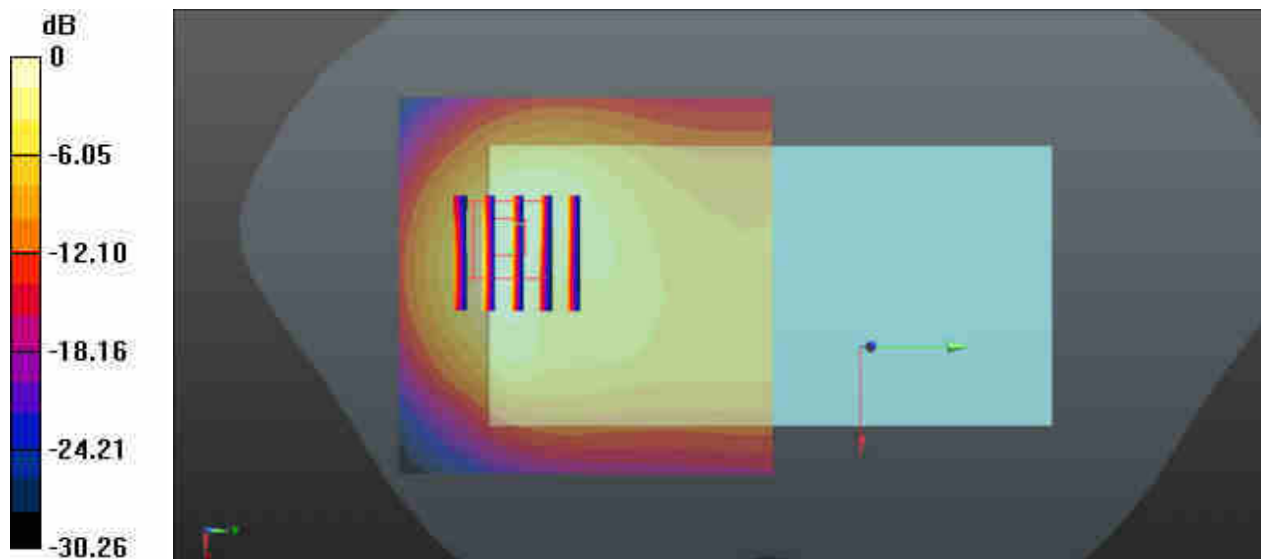
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.95 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.15 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.555 W/kg

Maximum value of SAR (measured) = 1.37 W/kg



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

#34_LTE Band 66_20M_QPSK_50RB_50Offset_Bottom Side_5mm_Ch132572

Communication System: UID 0, LTE-FDD (0); Frequency: 1770 MHz; Duty Cycle: 1:1

Medium: MSL_1750 Medium parameters used: $f = 1770$ MHz; $\sigma = 1.54$ S/m; $\epsilon_r = 54.012$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.41, 7.41, 7.41); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch132572/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.63 W/kg

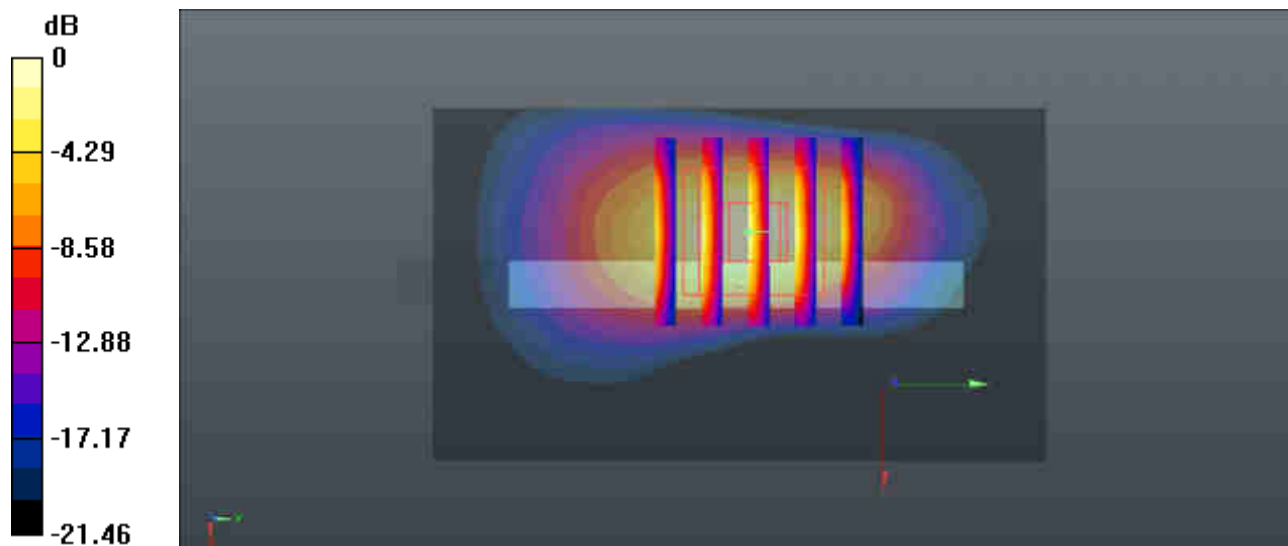
Ch132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.706 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.10 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.486 W/kg

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



#35_LTE Band 25_20M_QPSK_100RB_0Offset_Back_5mm_Ch26590

Communication System: UID 0, LTE-FDD (0); Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: MSL_1900 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.531$ S/m; $\epsilon_r = 51.565$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.07, 7.07, 7.07); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch26590/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

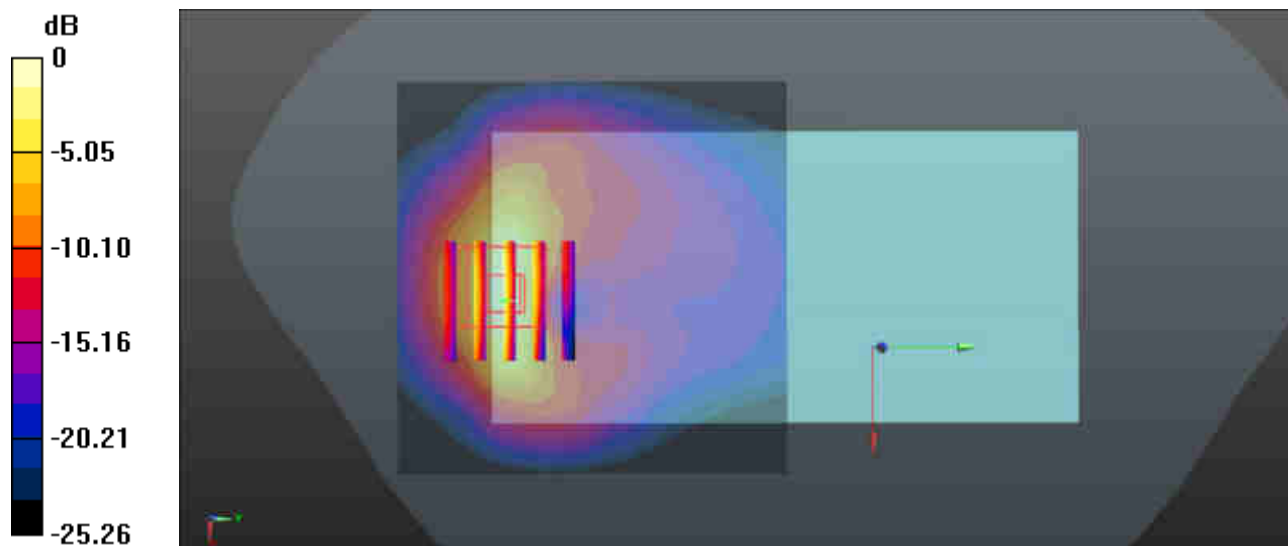
Ch26590/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.530 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.487 W/kg

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



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

#36_LTE Band 7_20M_QPSK_1RB_0Offset_Back_5mm_sensor on_Ch21100

Communication System: UID 0, LTE-FDD (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: MSL_2600 Medium parameters used: $f = 2535$ MHz; $\sigma = 2.086$ S/m; $\epsilon_r = 52.325$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(6.7, 6.7, 6.7); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch21100/Area Scan (91x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.62 W/kg

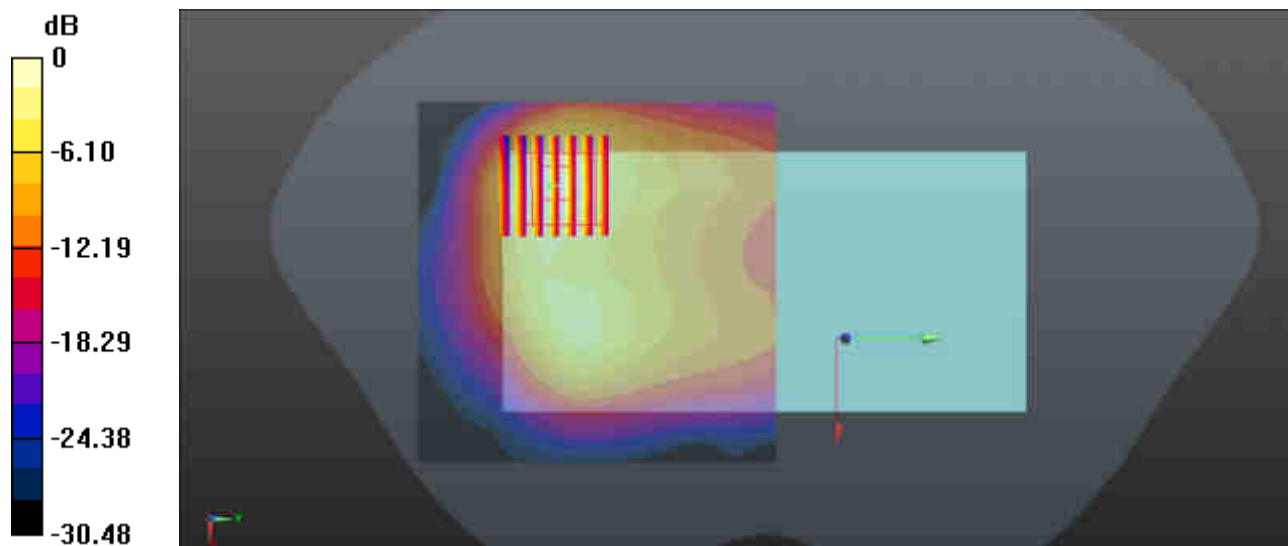
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.507 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.48 W/kg

SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.503 W/kg

Maximum value of SAR (measured) = 1.44 W/kg



0 dB = 1.44 W/kg = 1.58 dBW/kg

#37_LTE Band 41_20M_QPSK_1RB_0Offset_Back_5mm_Sensor on_Ch41490

Communication System: UID 0, LTE-TDD (0); Frequency: 2680 MHz; Duty Cycle: 1:1.59

Medium: MSL_2600 Medium parameters used: $f = 2680$ MHz; $\sigma = 2.288$ S/m; $\epsilon_r = 51.871$; $\rho = 1000$

kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(6.7, 6.7, 6.7); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch41490/Area Scan (91x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.89 W/kg

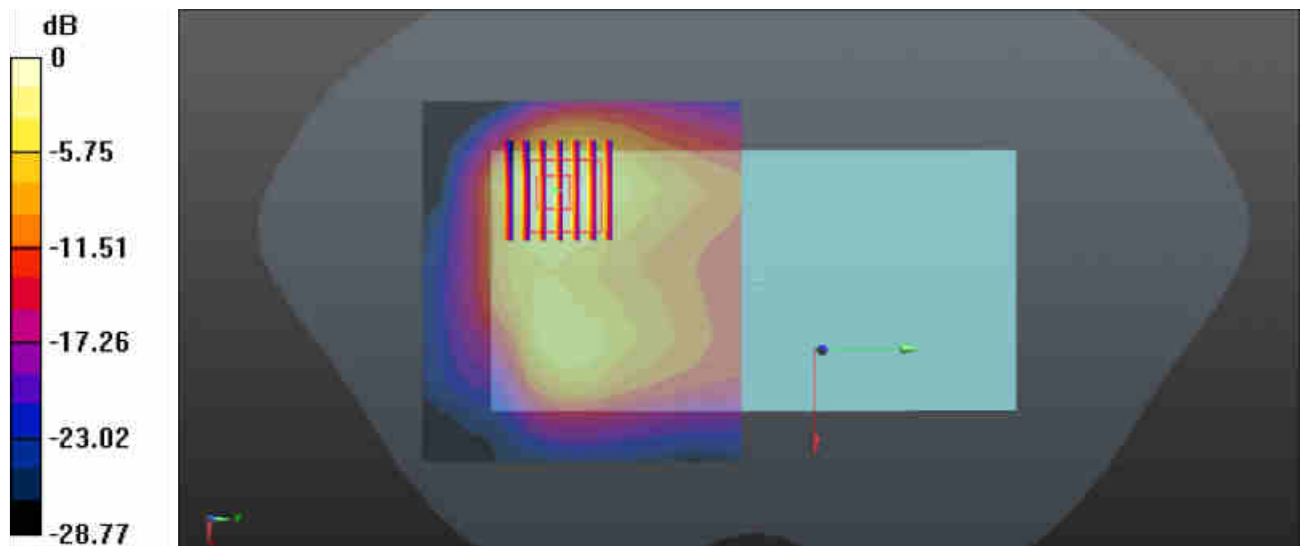
Ch41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.90 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.87 W/kg

SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.526 W/kg

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



0 dB = 1.61 W/kg = 2.07 dBW/kg

#38_WLAN2.4GHz_802.11b 1Mbps_Back_5mm_Ch11;S19

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: MSL_2450_190304 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.95$ S/m; $\epsilon_r = 52.671$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.75, 7.75, 7.75); Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (81x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.62 W/kg

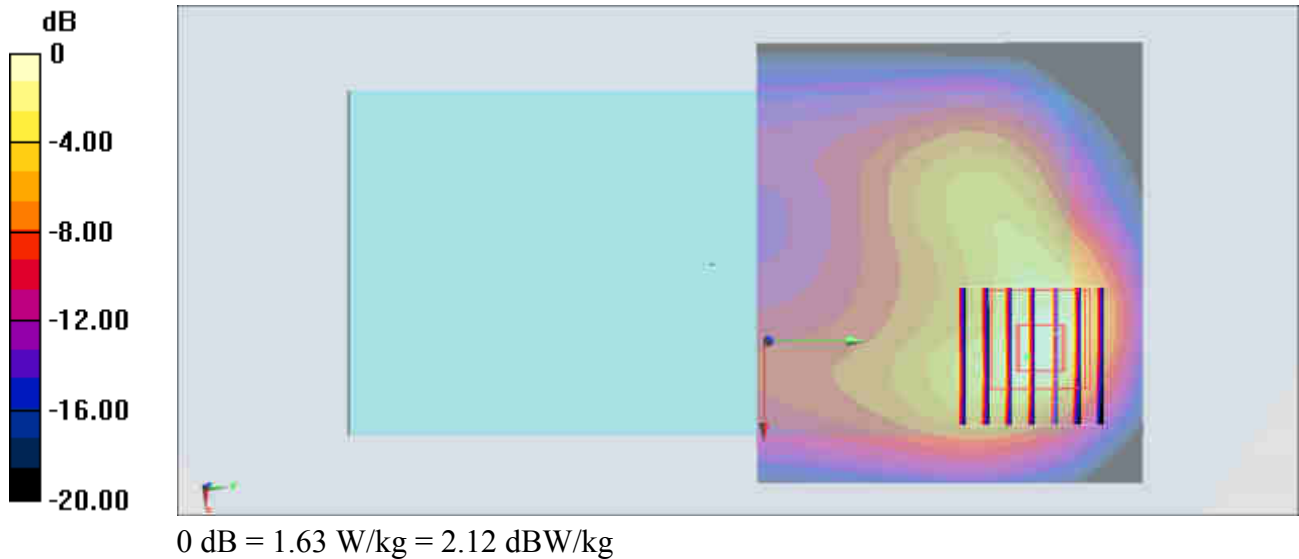
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.86 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 0.983 W/kg; SAR(10 g) = 0.456 W/kg

Maximum value of SAR (measured) = 1.63 W/kg



#39_WLAN5GHz_802.11ac-VHT80 MCS0_Back_5mm_Ch42

Communication System: 802.11ac; Frequency: 5210 MHz; Duty Cycle: 1:1.175

Medium: MSL_5G_190228 Medium parameters used : $f = 5210$ MHz; $\sigma = 5.308$ S/m; $\epsilon_r = 47.658$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(4.8, 4.8, 4.8); Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (101x71x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

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

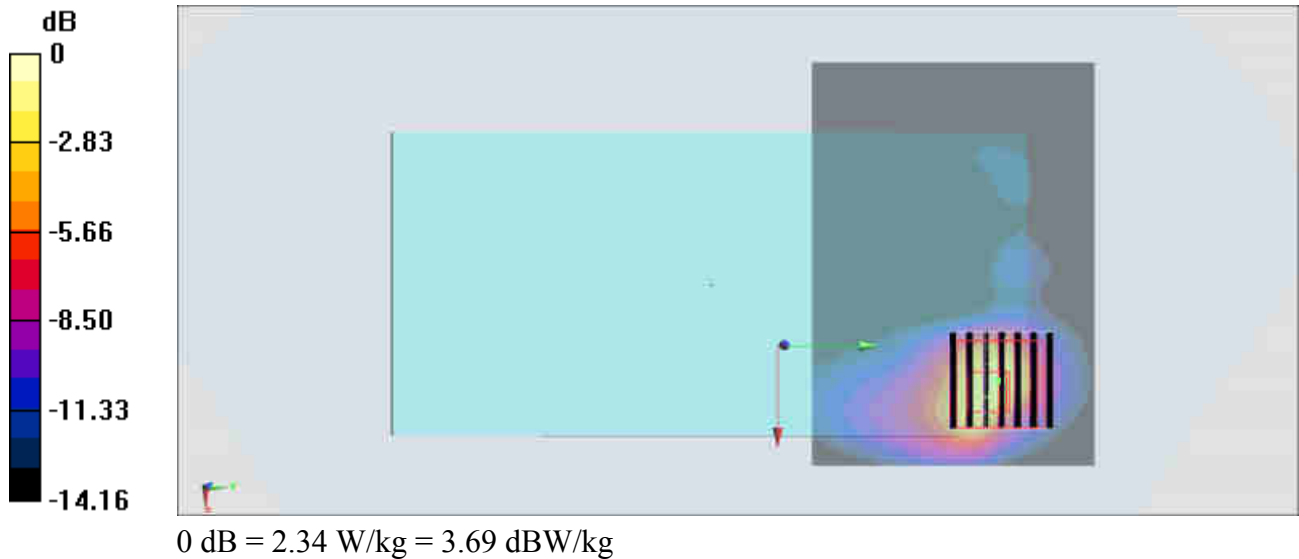
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 24.60 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 4.14 W/kg

SAR(1 g) = 0.909 W/kg; SAR(10 g) = 0.246 W/kg

Maximum value of SAR (measured) = 2.34 W/kg



#40_WLAN5GHz_802.11ac-VHT80 MCS0_Back_5mm_Ch155

Communication System: 802.11ac ; Frequency: 5775 MHz;Duty Cycle: 1:1.175

Medium: MSL_5G_190228 Medium parameters used: $f = 5775$ MHz; $\sigma = 6.073$ S/m; $\epsilon_r = 46.761$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7306;ConvF(4.37, 4.37, 4.37);Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (101x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.12 W/kg

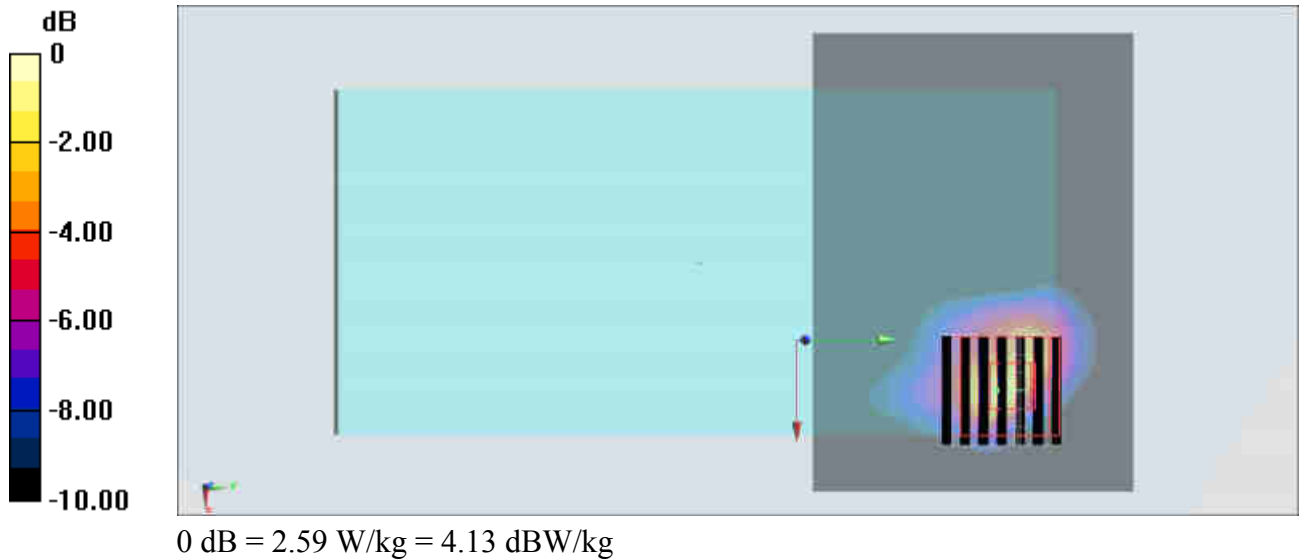
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 23.71 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.67 W/kg

SAR(1 g) = 0.890 W/kg; SAR(10 g) = 0.249 W/kg

Maximum value of SAR (measured) = 2.59 W/kg



#41_ Bluetooth_1Mbps_Back_5mm_Ch39

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1.298

Medium: MSL_2450_190304 Medium parameters used : $f = 2441$ MHz; $\sigma = 1.924$ S/m; $\epsilon_r = 52.733$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.75, 7.75, 7.75); Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (81x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0972 W/kg

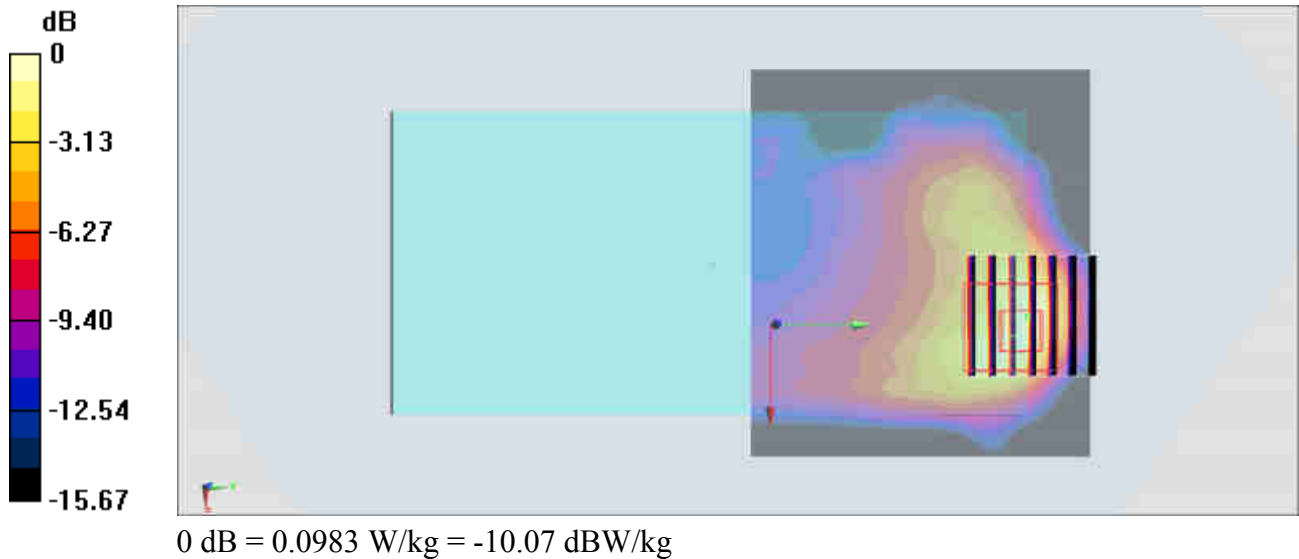
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.196 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.124 W/kg

SAR(1 g) = 0.059 W/kg; SAR(10 g) = 0.026 W/kg

Maximum value of SAR (measured) = 0.0983 W/kg



#42_GSM850_GPRS (2 Tx slot)_Back_5mm_Sensor on_Ch128_Headset

Communication System: UID 0, GSM850-2UP (0); Frequency: 824.2 MHz; Duty Cycle: 1:4.15
Medium: MSL_835 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.973$ S/m; $\epsilon_r = 57.4$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(9.03, 9.03, 9.03); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch128/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

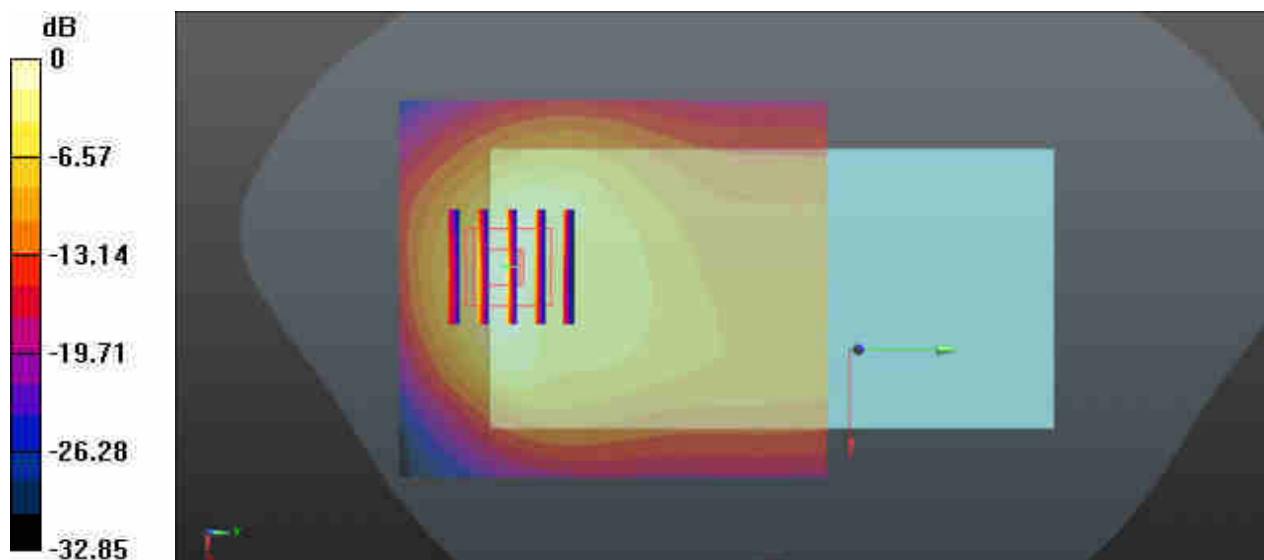
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.081 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 0.972 W/kg; SAR(10 g) = 0.503 W/kg

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



0 dB = 1.34 W/kg = 1.27 dBW/kg

#43_GSM1900_GPRS (2 Tx slot)_Back_5mm_Sensor on_Ch661

Communication System: UID 0, PCS-2UP (0); Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: MSL_1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.502$ S/m; $\epsilon_r = 51.644$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.07, 7.07, 7.07); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch661/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.46 W/kg

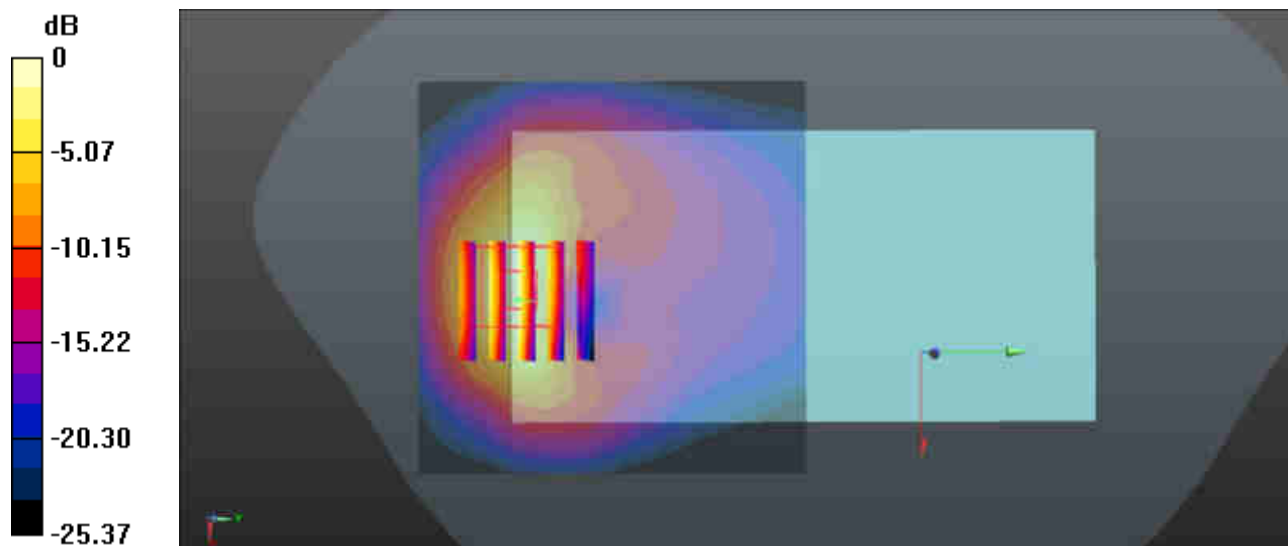
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.994 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.29 W/kg

SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.551 W/kg

Maximum value of SAR (measured) = 1.52 W/kg



0 dB = 1.52 W/kg = 1.82 dBW/kg

#44_WCDMA V_RMC12.2Kbps_Back_5mm_Ch4233

Communication System: UID 0, WCDMA (0); Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium: MSL_835 Medium parameters used: $f = 847$ MHz; $\sigma = 0.995$ S/m; $\epsilon_r = 57.184$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(9.03, 9.03, 9.03); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch4233/Area Scan (71x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

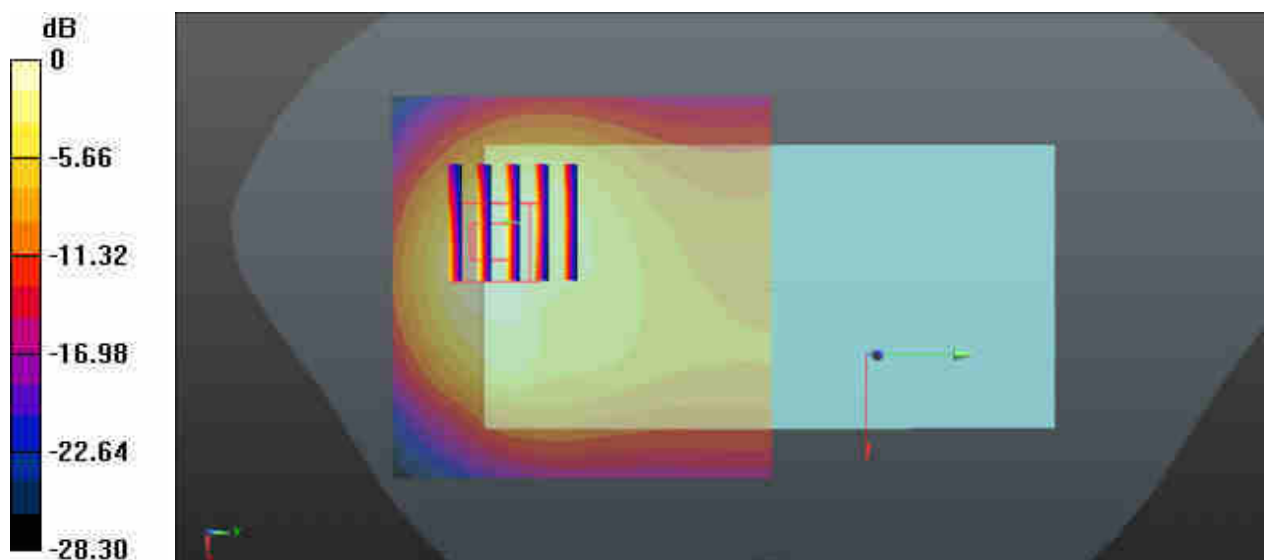
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.72 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.41 W/kg

SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.625 W/kg

Maximum value of SAR (measured) = 1.48 W/kg



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

#45_WCDMA IV_RMC12.2Kbps_Back_5mm_Ch1413

Communication System: UID 0, WCDMA (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1
Medium: MSL_1750 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.504$ S/m; $\epsilon_r = 54.131$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.41, 7.41, 7.41); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch1413/Area Scan (71x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.63 W/kg

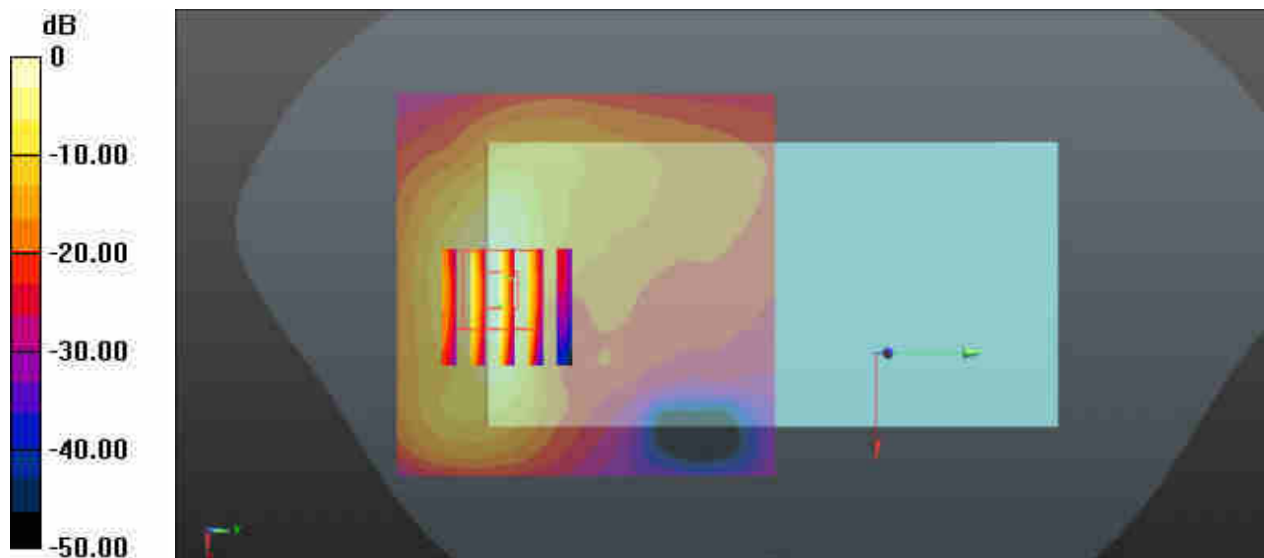
Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.593 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.37 W/kg

SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.605 W/kg

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



0 dB = 1.63 W/kg = 2.12 dBW/kg

#46_WCDMA II_RMC12.2Kbps_Back_5mm_Ch9262

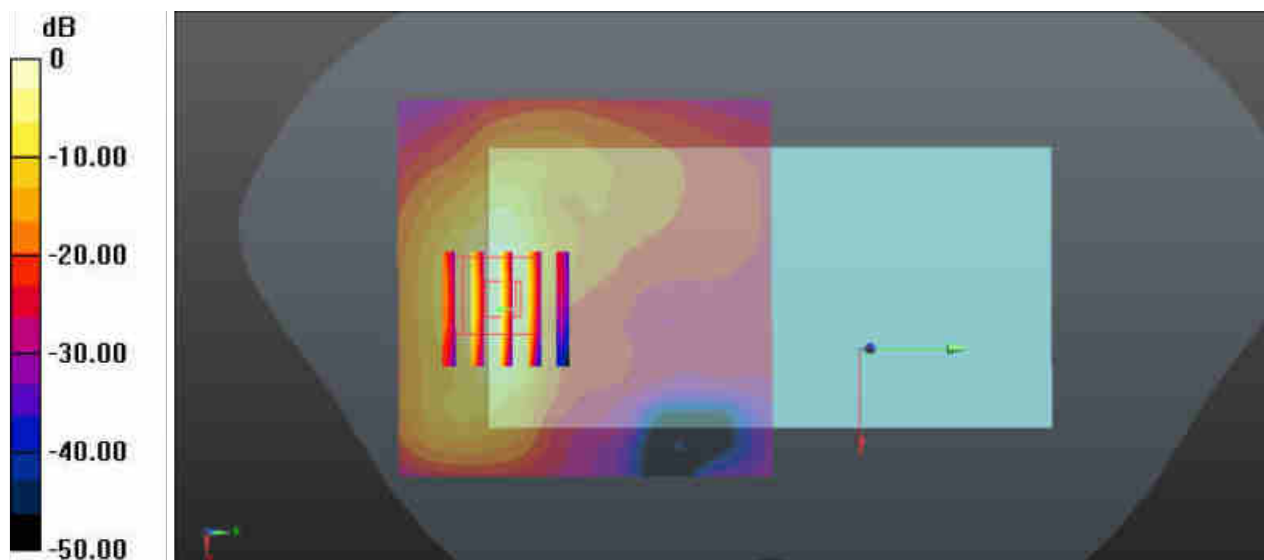
Communication System: UID 0, WCDMA (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1
Medium: MSL_1900 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.473$ S/m; $\epsilon_r = 51.721$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.07, 7.07, 7.07); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch9262/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.50 W/kg

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.655 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 2.21 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.517 W/kg
Maximum value of SAR (measured) = 1.45 W/kg



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

#47_CDMA BC0_RC3 SO32 (F+SCH)_Back_5mm_Ch777

Communication System: UID 0, CDMA (0); Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium: MSL_835 Medium parameters used: $f = 848.31$ MHz; $\sigma = 0.996$ S/m; $\epsilon_r = 57.176$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(9.03, 9.03, 9.03); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch777/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

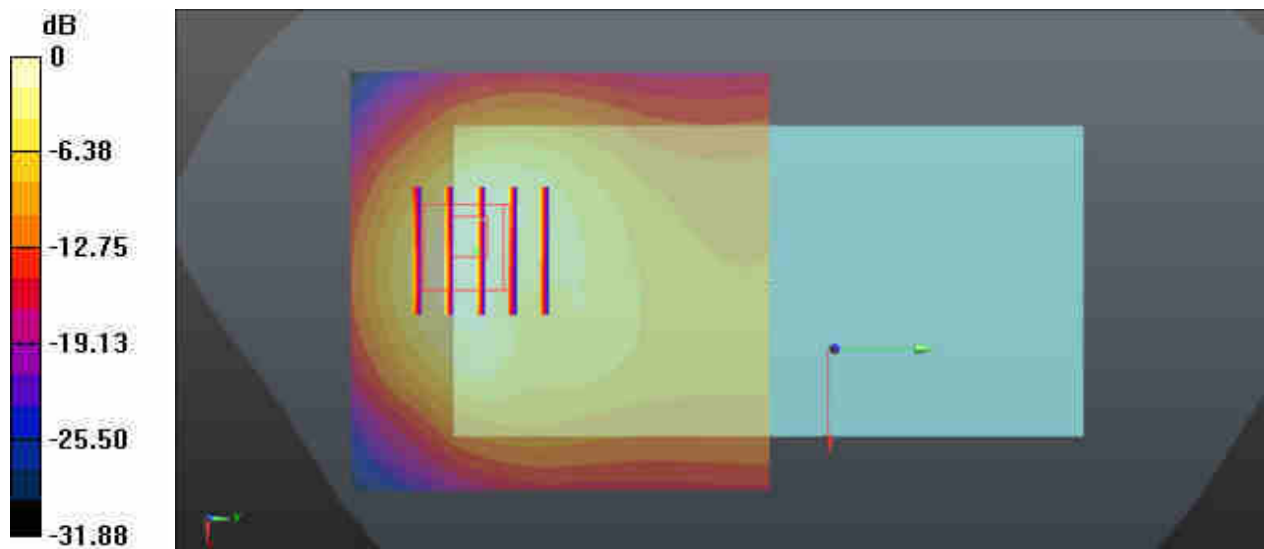
Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.8840 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.22 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.556 W/kg

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



0 dB = 1.36 W/kg = 1.34 dBW/kg

#48_CDMA BC1_RC3 SO32 (F+SCH)_Back_5mm_Ch1175

Communication System: UID 0, CDMA (0); Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium: MSL_1900 Medium parameters used: $f = 1909$ MHz; $\sigma = 1.535$ S/m; $\epsilon_r = 51.551$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4-SN3843; ConvF(7.07, 7.07, 7.07); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch1175/Area Scan (71x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

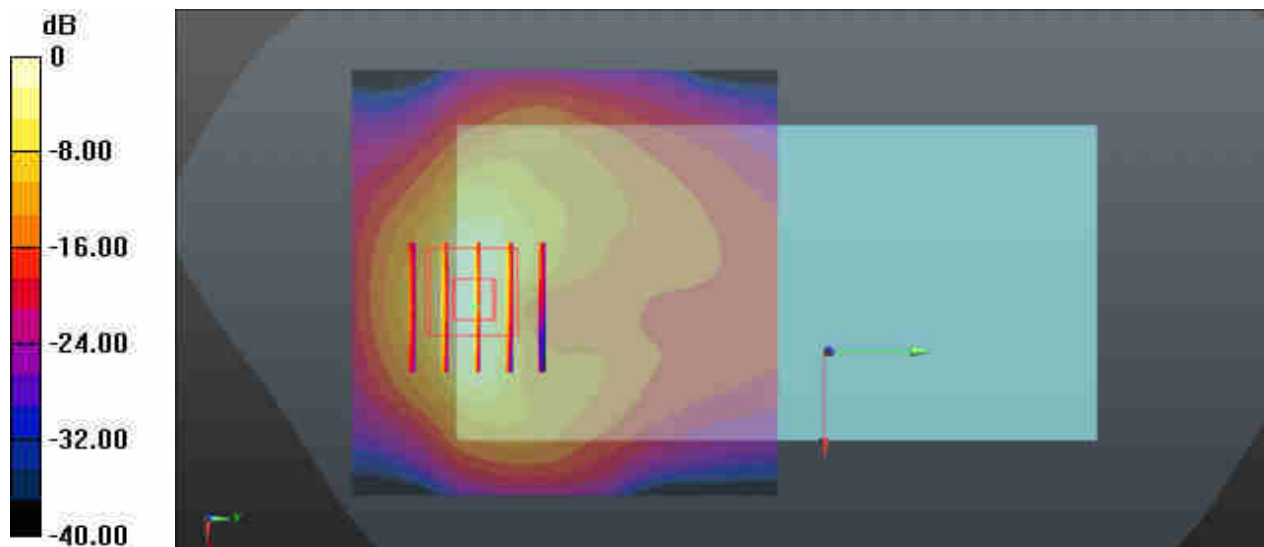
Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.850 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.00 W/kg

SAR(1 g) = 0.989 W/kg; SAR(10 g) = 0.447 W/kg

Maximum value of SAR (measured) = 1.31 W/kg



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

#49_CDMA BC10_RC3 SO32 (F+SCH)_Back_5mm_Ch476

Communication System: UID 0, CDMA (0); Frequency: 817.9 MHz; Duty Cycle: 1:1

Medium: MSL_835 Medium parameters used: $f = 818$ MHz; $\sigma = 0.967$ S/m; $\epsilon_r = 57.457$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(9.03, 9.03, 9.03); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch476/Area Scan (71x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

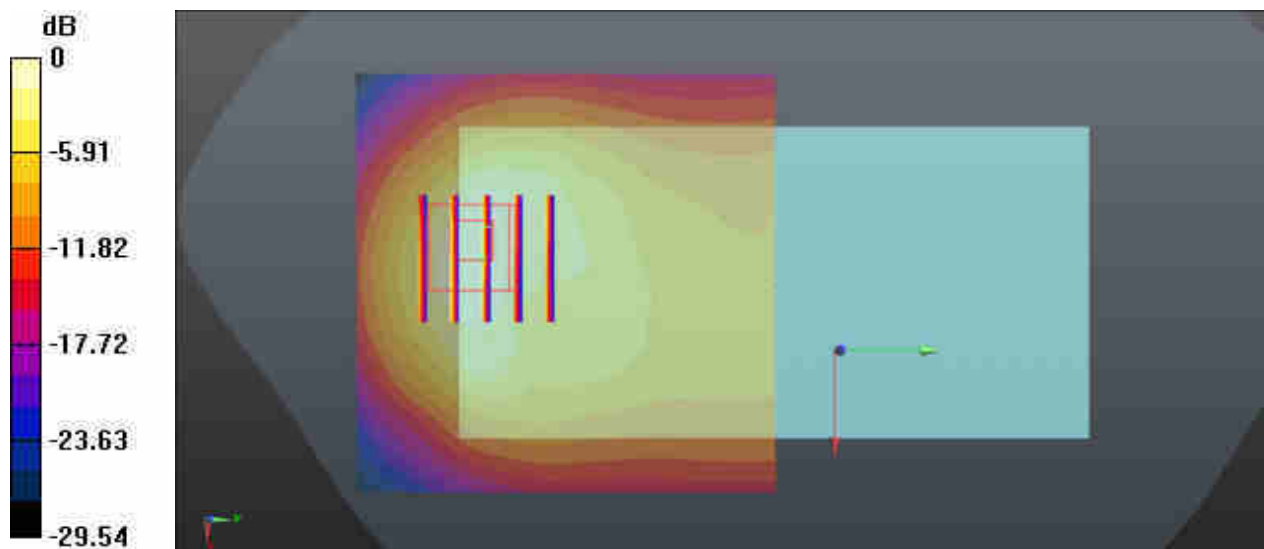
Ch476/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 1.201 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.96 W/kg

SAR(1 g) = 0.935 W/kg; SAR(10 g) = 0.487 W/kg

Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.18 W/kg = 0.72 dBW/kg

#50_LTE Band 71_20M_QPSK_1RB_0Offset_Back_5mm_Ch133322

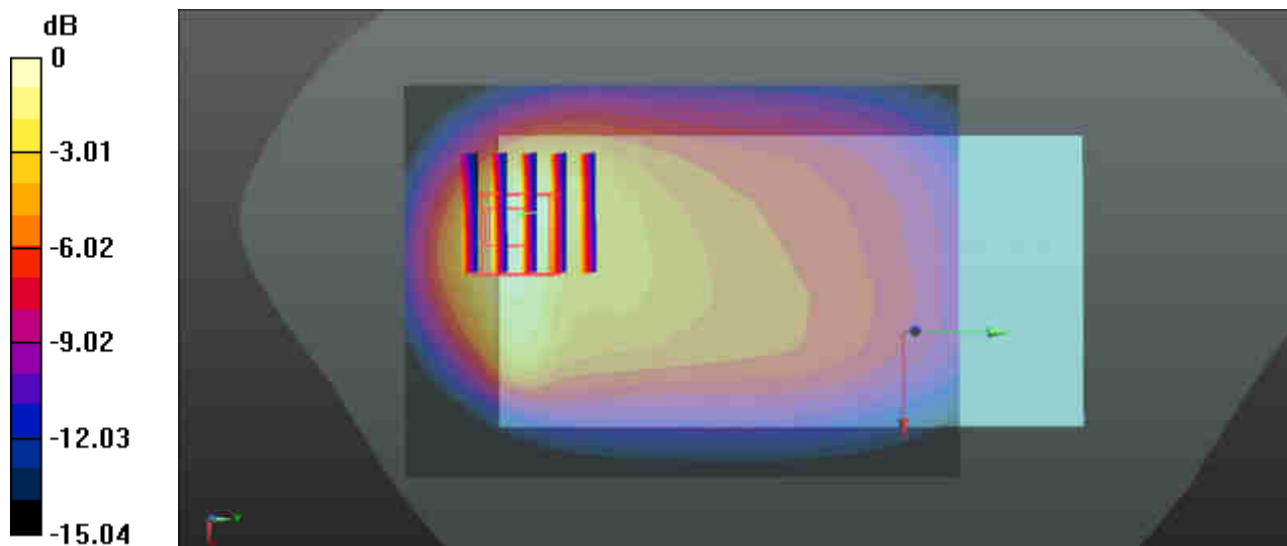
Communication System: UID 0, LTE-FDD (0); Frequency: 683 MHz; Duty Cycle: 1:1
Medium: MSL_750 Medium parameters used: $f = 683$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 57.015$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(9.31, 9.31, 9.31); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch133322/Area Scan (71x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.13 W/kg

Ch133322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.073 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.679 W/kg; SAR(10 g) = 0.372 W/kg
Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.11 W/kg = 0.45 dBW/kg

#51_LTE Band 12_10M_QPSK_1RB_49Offset_Back_5mm_Ch23095

Communication System: UID 0, LTE-FDD (0); Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium: MSL_750 Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.925$ S/m; $\epsilon_r = 56.799$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- PrProbe: EX3DV4-SN3843; ConvF(9.31, 9.31, 9.31); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch23095/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.865 W/kg

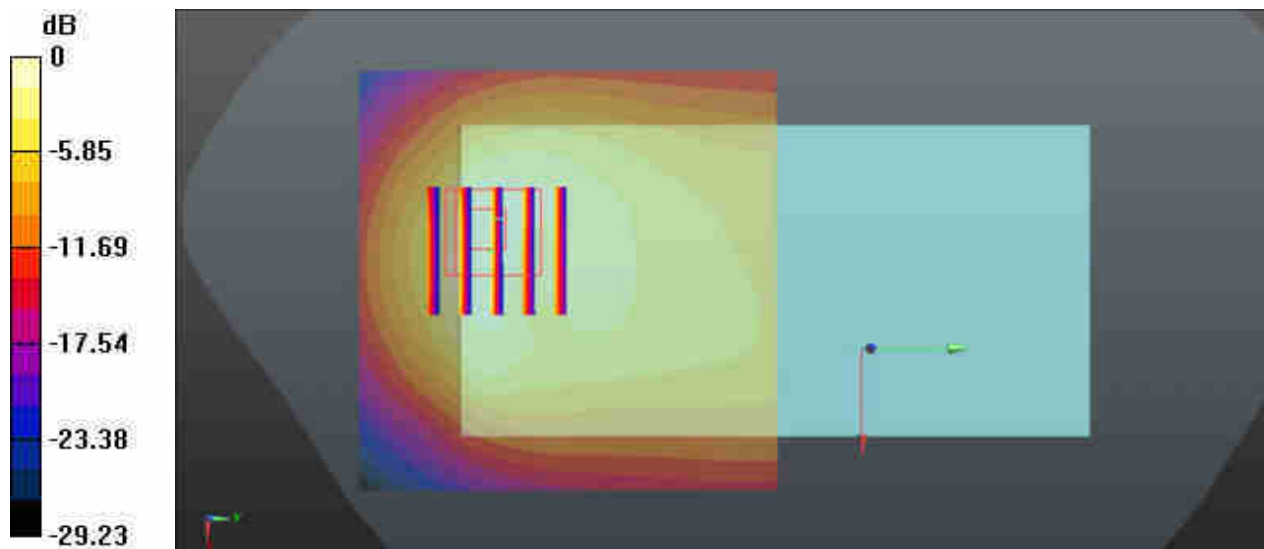
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.649 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.677 W/kg; SAR(10 g) = 0.365 W/kg

Maximum value of SAR (measured) = 0.883 W/kg



0 dB = 0.865 W/kg = -0.63 dBW/kg

#52_LTE Band 13_10M_QPSK_1RB_0Offset_Back_5mm_Ch23230

Communication System: UID 0, LTE-FDD (0); Frequency: 782 MHz; Duty Cycle: 1:1
Medium: MSL_750 Medium parameters used: $f = 782$ MHz; $\sigma = 0.997$ S/m; $\epsilon_r = 56.128$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(9.31, 9.31, 9.31); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch23230/Area Scan (71x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

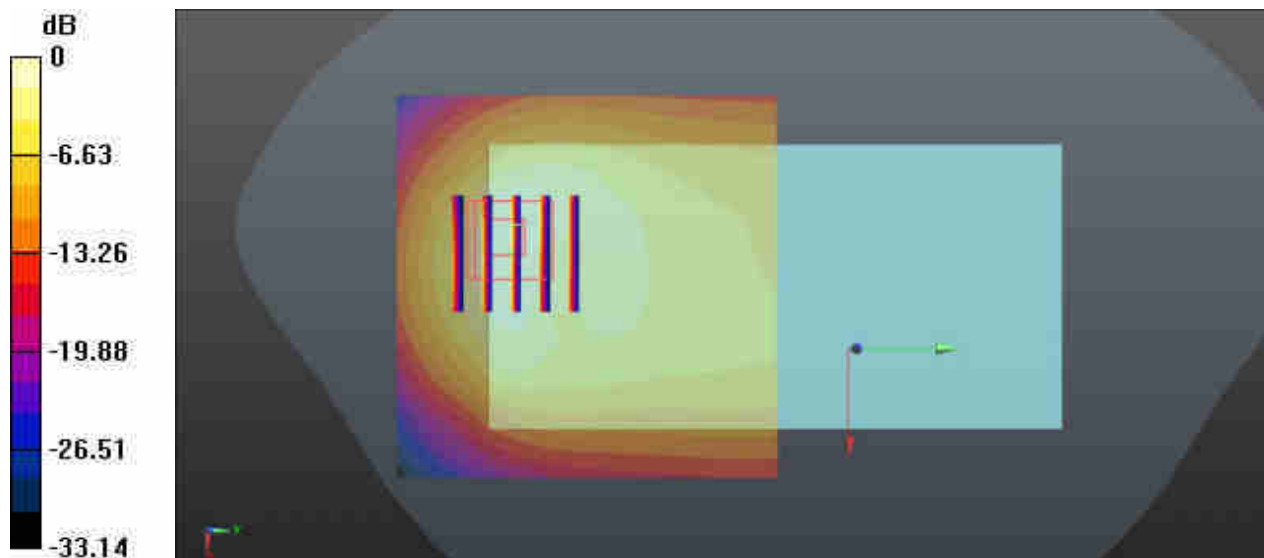
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 16.84 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.03 W/kg

SAR(1 g) = 0.975 W/kg; SAR(10 g) = 0.514 W/kg

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



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

#53_LTE Band 26_15M_QPSK_1RB_0Offset_Back_5mm_Ch26865

Communication System: UID 0, LTE-FDD (0); Frequency: 831.5 MHz; Duty Cycle: 1:1
Medium: MSL_835 Medium parameters used: $f = 831.5$ MHz; $\sigma = 0.98$ S/m; $\epsilon_r = 57.331$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(9.03, 9.03, 9.03); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch26865/Area Scan (71x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 1.32 W/kg

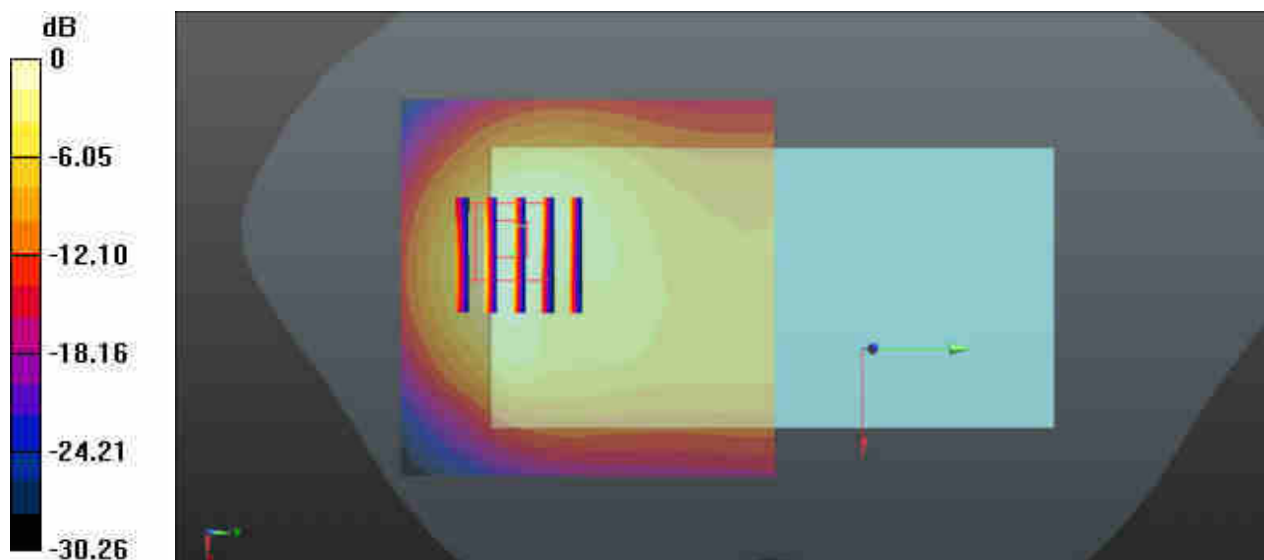
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.95 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.15 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.555 W/kg

Maximum value of SAR (measured) = 1.37 W/kg



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

#54_LTE Band 66_20M_QPSK_1RB_99Offset_Back_5mm_Ch132072

Communication System: UID 0, LTE-FDD (0); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.49$ S/m; $\epsilon_r = 54.165$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.41, 7.41, 7.41); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch132072/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

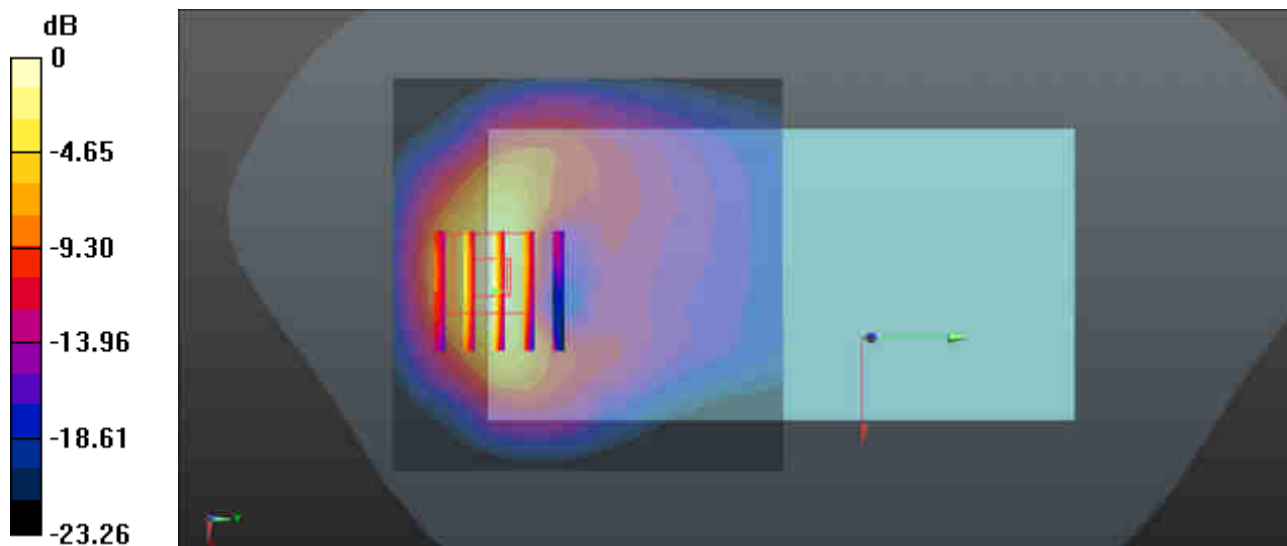
Ch132072/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.446 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.527 W/kg

Maximum value of SAR (measured) = 1.37 W/kg



0 dB = 1.37 W/kg = 1.37 dBW/kg

#55_LTE Band 25_20M_QPSK_100RB_0Offset_Back_5mm_Ch26590

Communication System: UID 0, LTE-FDD (0); Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: MSL_1900 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.531$ S/m; $\epsilon_r = 51.565$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.07, 7.07, 7.07); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch26590/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

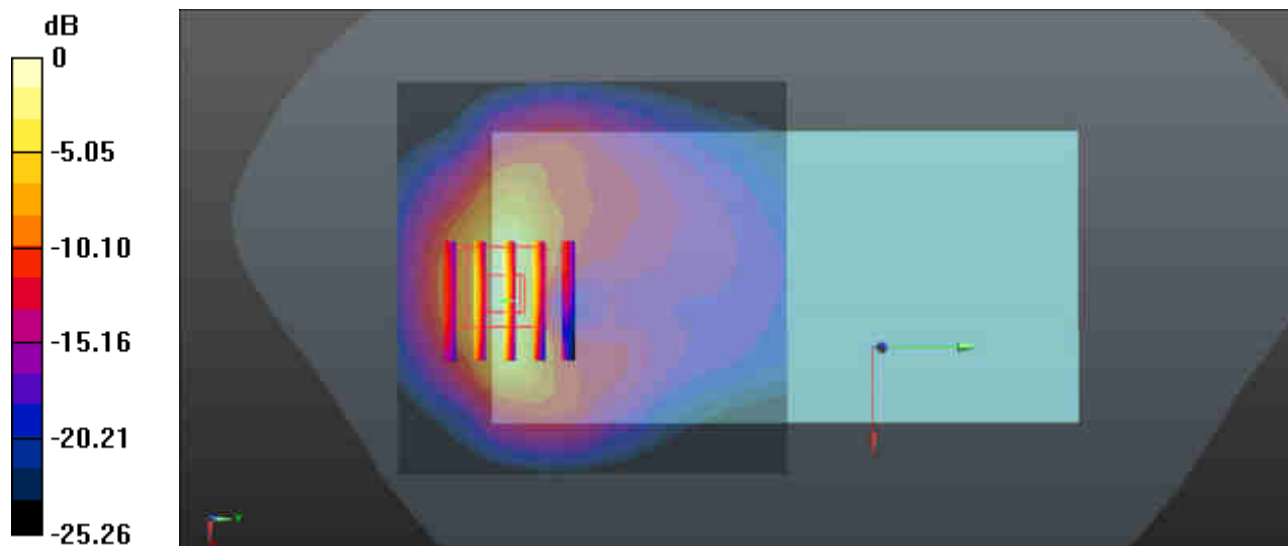
Ch26590/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.530 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.487 W/kg

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



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

#56_LTE Band 7_20M_QPSK_1RB_0Offset_Back_5mm_sensor on_Ch21100

Communication System: UID 0, LTE-FDD (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: MSL_2600 Medium parameters used: $f = 2535$ MHz; $\sigma = 2.086$ S/m; $\epsilon_r = 52.325$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(6.7, 6.7, 6.7); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch21100/Area Scan (91x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.62 W/kg

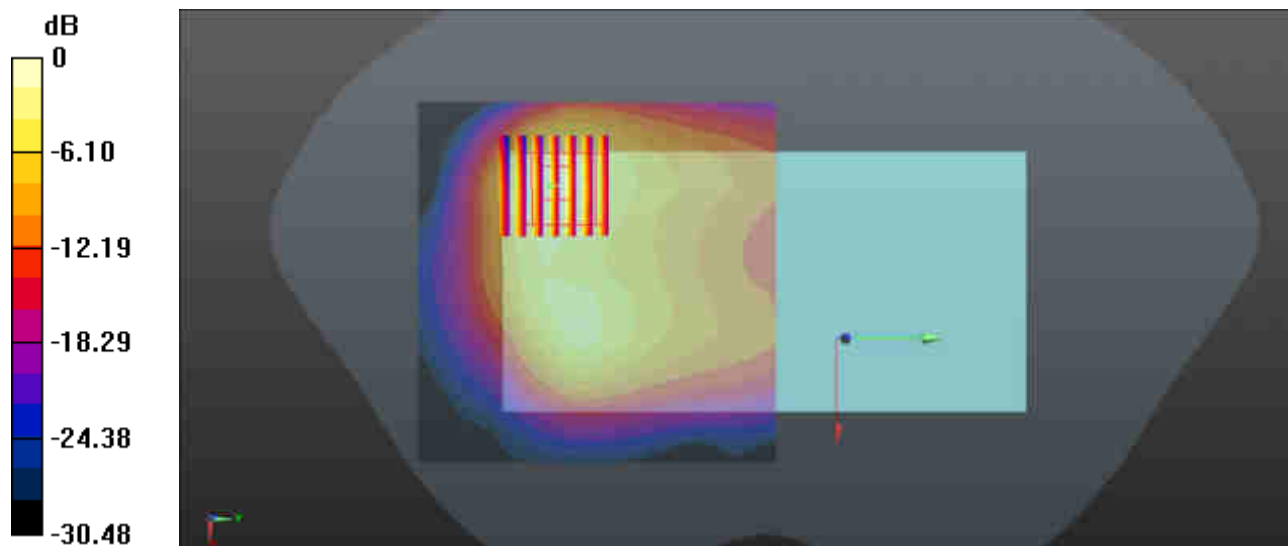
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.507 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.48 W/kg

SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.503 W/kg

Maximum value of SAR (measured) = 1.44 W/kg



0 dB = 1.44 W/kg = 1.58 dBW/kg

#57_LTE Band 41_20M_QPSK_1RB_0Offset_Back_5mm_Sensor on_Ch41490

Communication System: UID 0, LTE-TDD (0); Frequency: 2680 MHz; Duty Cycle: 1:1.59
Medium: MSL_2600 Medium parameters used: $f = 2680$ MHz; $\sigma = 2.288$ S/m; $\epsilon_r = 51.871$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(6.7, 6.7, 6.7); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch41490/Area Scan (91x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.89 W/kg

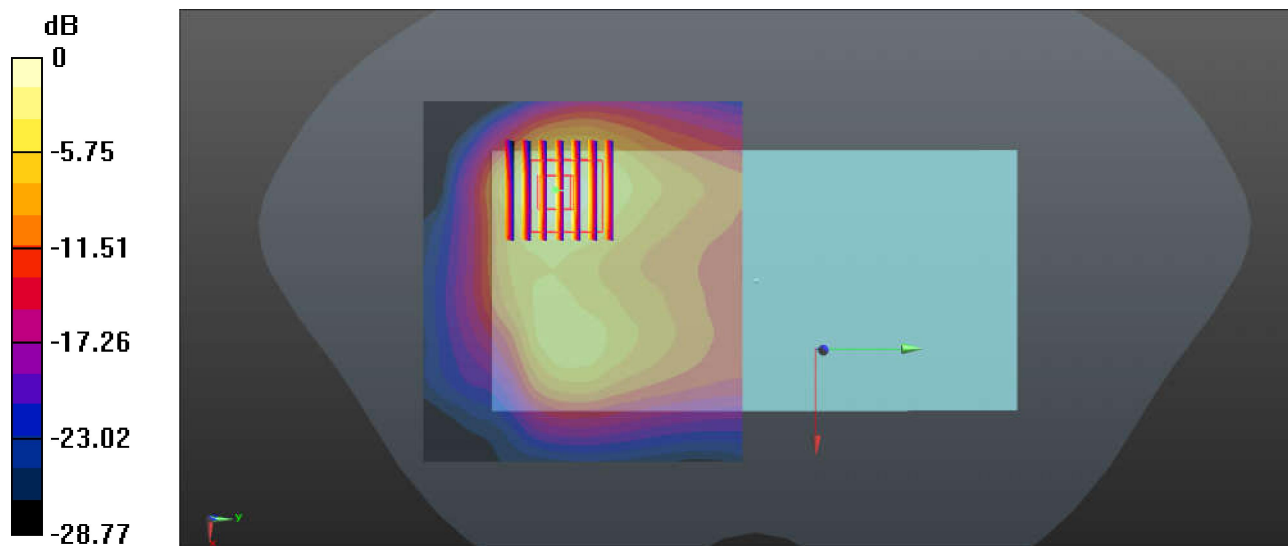
Ch41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.90 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.87 W/kg

SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.526 W/kg

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



0 dB = 1.61 W/kg = 2.07 dBW/kg

#58_WLAN2.4GHz_802.11b 1Mbps_Back_5mm_Ch11

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: MSL_2450_190304 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.95$ S/m; $\epsilon_r = 52.671$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.75, 7.75, 7.75); Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (81x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.62 W/kg

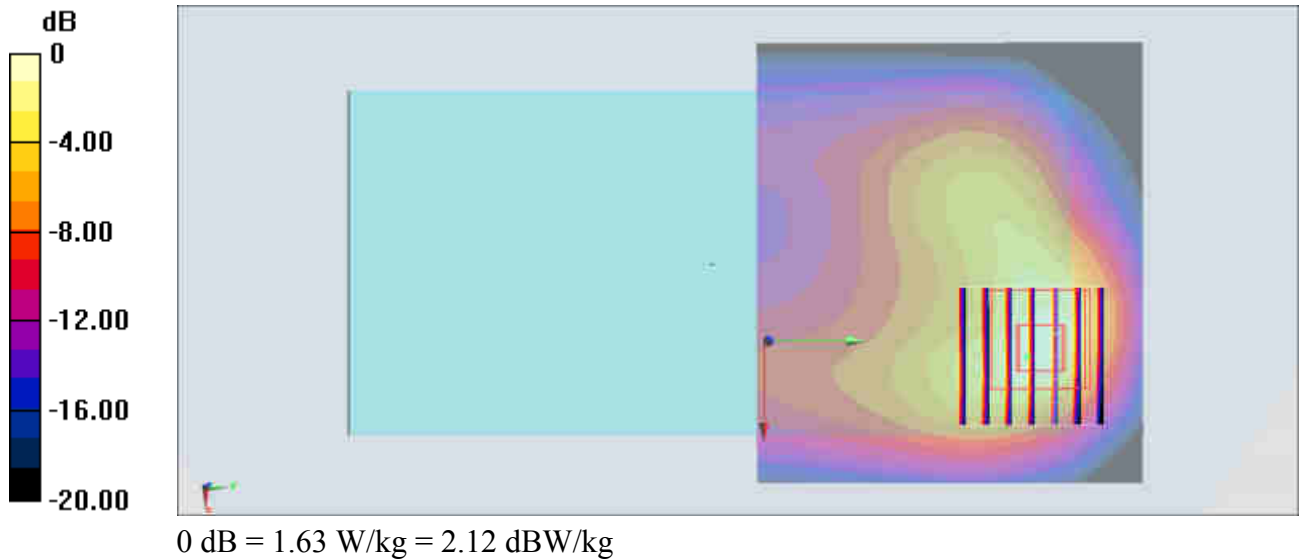
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.86 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 0.983 W/kg; SAR(10 g) = 0.456 W/kg

Maximum value of SAR (measured) = 1.63 W/kg



79_WLAN5GHz_802.11ac-VHT80 MCS0_Back_5mm_Ch42

Communication System: 802.11ac; Frequency: 5210 MHz; Duty Cycle: 1:1.175

Medium: MSL_5G_190228 Medium parameters used : $f = 5210$ MHz; $\sigma = 5.308$ S/m; $\epsilon_r = 47.658$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(4.8, 4.8, 4.8); Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (101x71x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

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

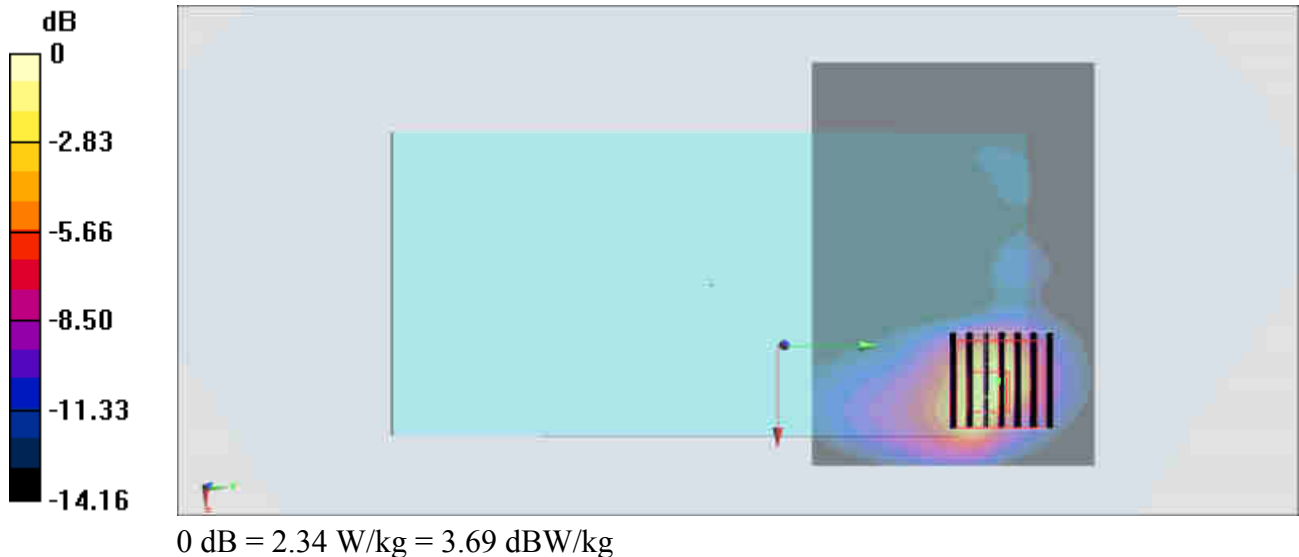
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 24.60 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 4.14 W/kg

SAR(1 g) = 0.909 W/kg; SAR(10 g) = 0.246 W/kg

Maximum value of SAR (measured) = 2.34 W/kg



#59_WLAN5GHz_802.11ac-VHT80 MCS0_Back_5mm_Ch58

Communication System: 802.11ac; Frequency: 5290 MHz; Duty Cycle: 1:1.175

Medium: MSL_5G_190228 Medium parameters used : $f = 5290$ MHz; $\sigma = 5.404$ S/m; $\epsilon_r = 47.394$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(4.8, 4.8, 4.8); Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (101x71x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.78 W/kg

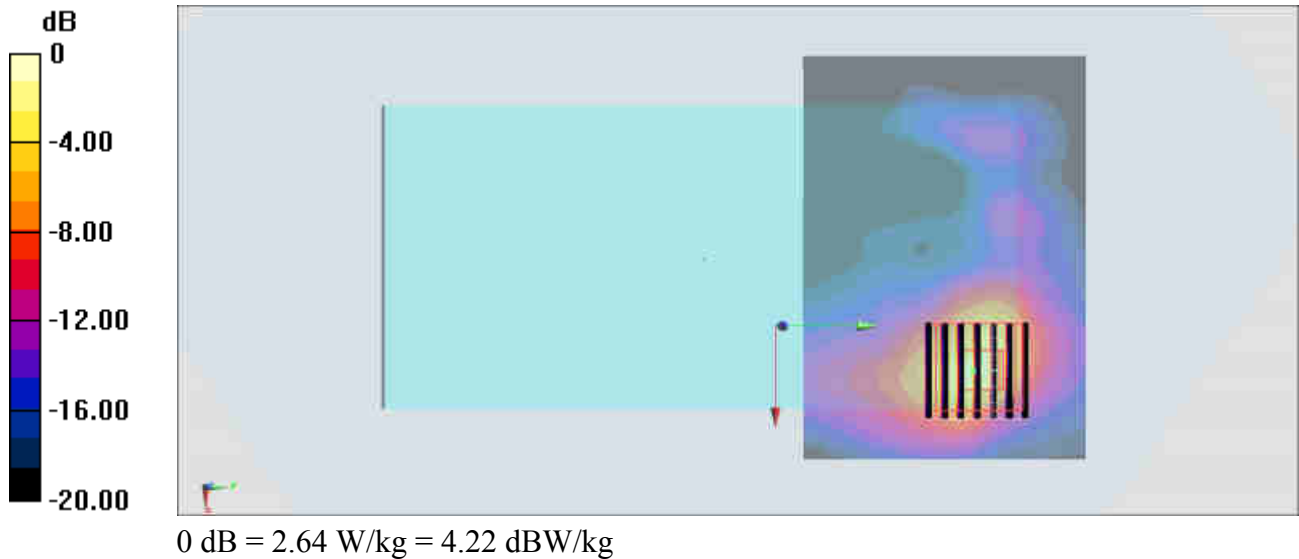
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 23.29 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 4.45 W/kg

SAR(1 g) = 0.933 W/kg; SAR(10 g) = 0.257 W/kg

Maximum value of SAR (measured) = 2.64 W/kg



#60_WLAN5GHz_802.11ac-VHT80 MCS0_Back_5mm_Ch106

Communication System: 802.11ac ; Frequency: 5530 MHz;Duty Cycle: 1:1.175

Medium: MSL_5G_190228 Medium parameters used : $f = 5530$ MHz; $\sigma = 5.658$ S/m; $\epsilon_r = 46.759$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7306;ConvF(4.03, 4.03, 4.03);Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (101x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.04 W/kg

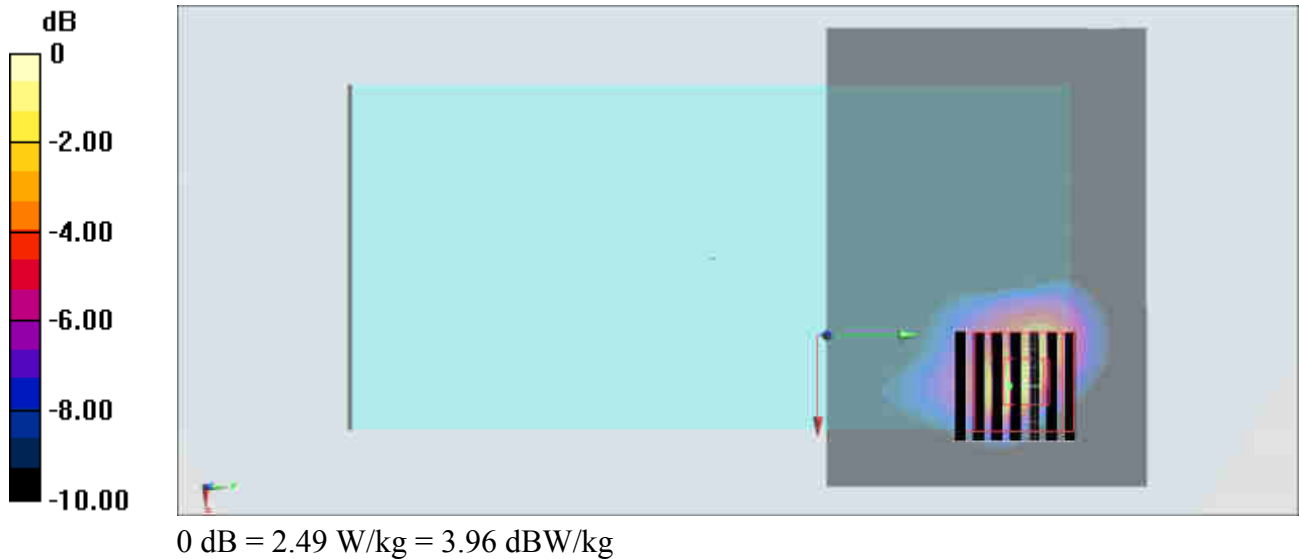
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 24.10 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.50 W/kg

SAR(1 g) = 0.857 W/kg; SAR(10 g) = 0.240 W/kg

Maximum value of SAR (measured) = 2.49 W/kg



#61_WLAN5GHz_802.11ac-VHT80 MCS0_Back_5mm_Ch155

Communication System: 802.11ac ; Frequency: 5775 MHz;Duty Cycle: 1:1.175

Medium: MSL_5G_190228 Medium parameters used: $f = 5775$ MHz; $\sigma = 6.073$ S/m; $\epsilon_r = 46.761$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7306;ConvF(4.37, 4.37, 4.37);Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (101x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.12 W/kg

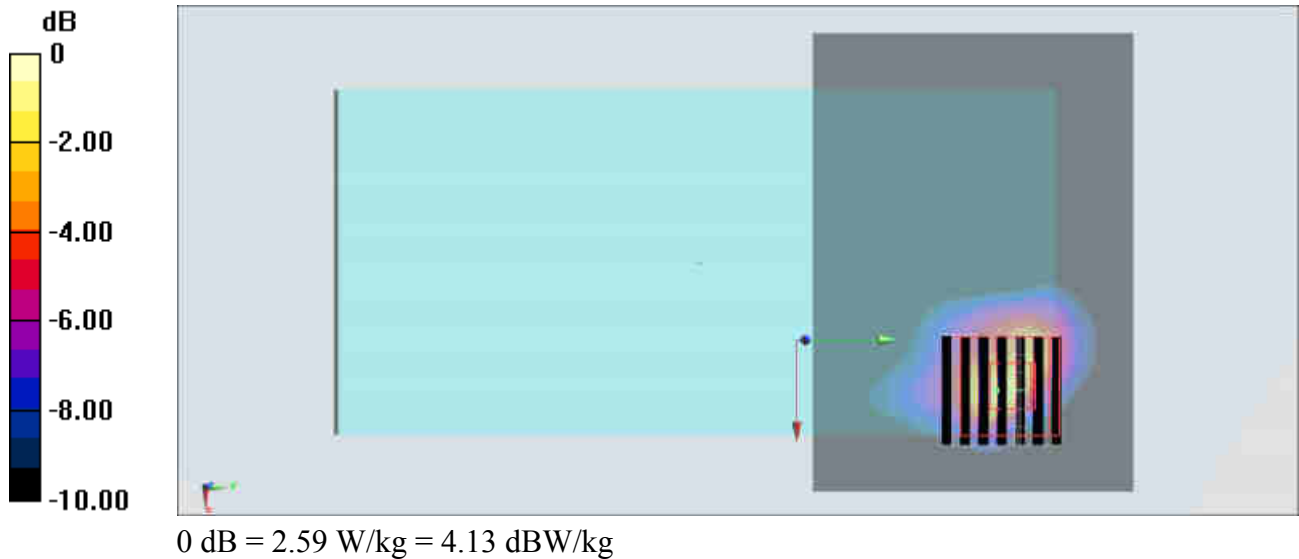
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 23.71 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.67 W/kg

SAR(1 g) = 0.890 W/kg; SAR(10 g) = 0.249 W/kg

Maximum value of SAR (measured) = 2.59 W/kg



#62_ Bluetooth_1Mbps_Back_5mm_Ch39

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1.298

Medium: MSL_2450_190304 Medium parameters used : $f = 2441$ MHz; $\sigma = 1.924$ S/m; $\epsilon_r = 52.733$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.75, 7.75, 7.75); Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (81x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0972 W/kg

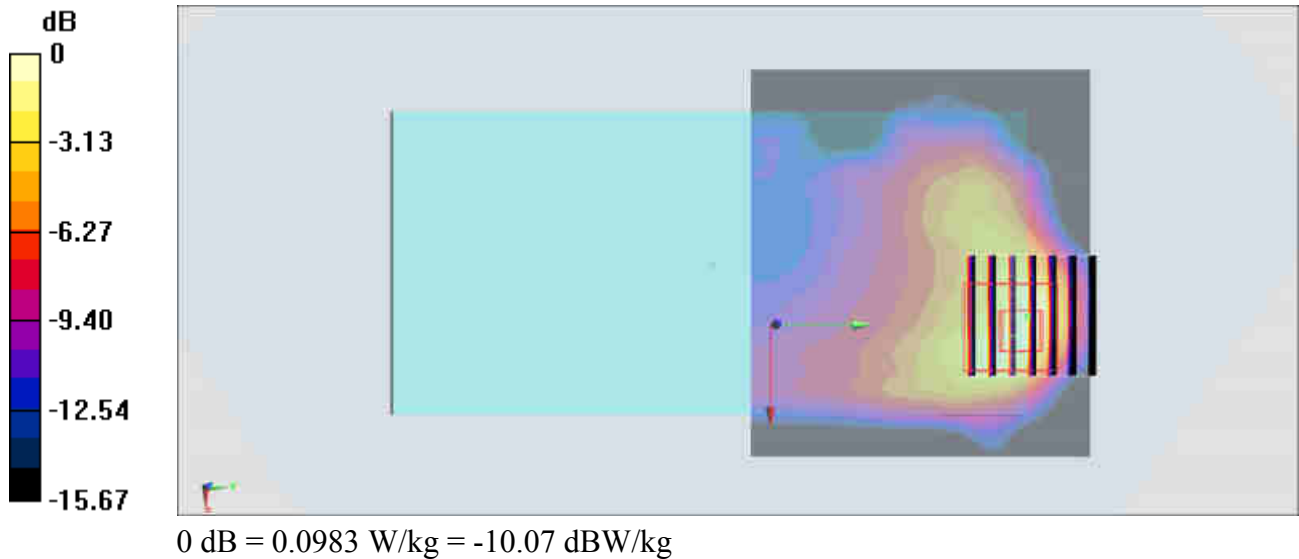
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.196 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.124 W/kg

SAR(1 g) = 0.059 W/kg; SAR(10 g) = 0.026 W/kg

Maximum value of SAR (measured) = 0.0983 W/kg



#63_GSM850_GPRS (2 Tx slot)_Back_0mm_Ch128

Communication System: UID 0, GSM850-2UP (0); Frequency: 824.2 MHz; Duty Cycle: 1:4.15
Medium: MSL_835 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.973$ S/m; $\epsilon_r = 57.4$; $\rho = 1000$

kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(9.03, 9.03, 9.03); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch128/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.74 W/kg

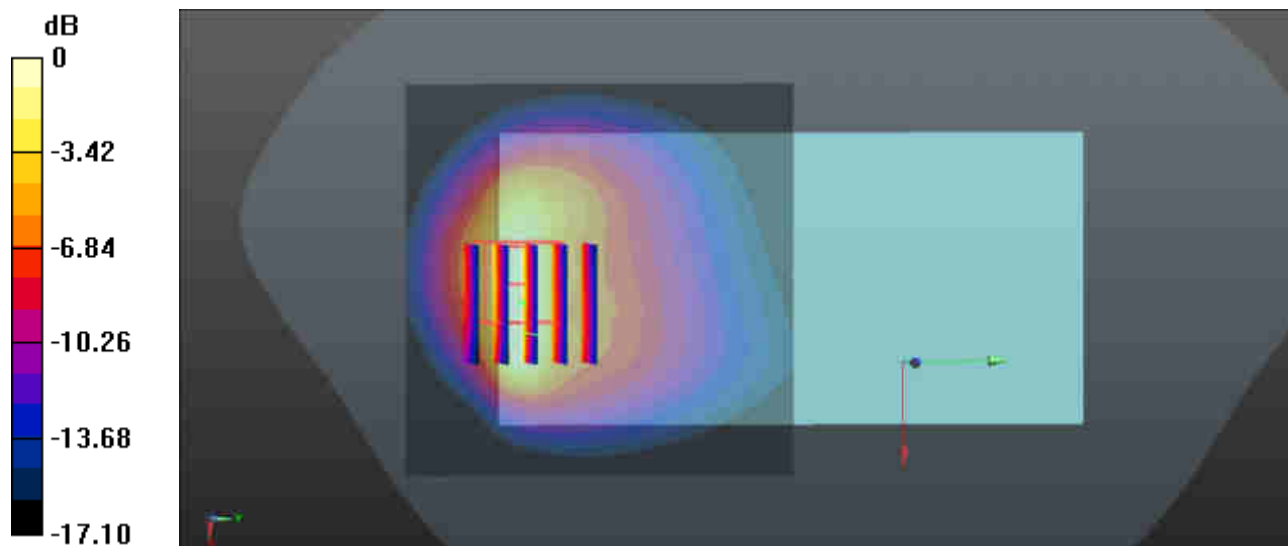
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.08 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 9.51 W/kg

SAR(1 g) = 3.66 W/kg; SAR(10 g) = 1.8 W/kg

Maximum value of SAR (measured) = 5.51 W/kg



0 dB = 5.51 W/kg = 7.41 dBW/kg

#64_GSM1900_GPRS (2 Tx slot)_Bottom Side_0mm_Ch512

Communication System: UID 0, PCS-2UP (0); Frequency: 1850.2 MHz; Duty Cycle: 1:4.15

Medium: MSL_1900 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.47$ S/m; $\epsilon_r = 51.725$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.07, 7.07, 7.07); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch512/Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.71 W/kg

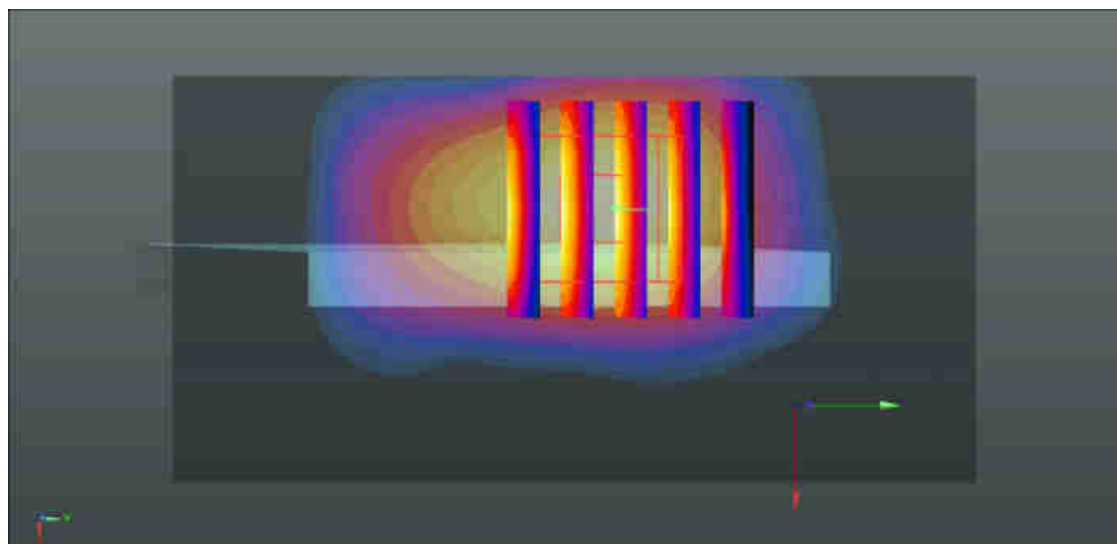
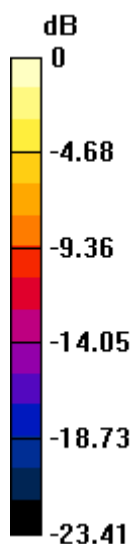
Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.9850 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 14.0 W/kg

SAR(1 g) = 6.38 W/kg; SAR(10 g) = 2.78 W/kg

Maximum value of SAR (measured) = 9.08 W/kg



0 dB = 9.08 W/kg = 9.58 dBW/kg

#65_WCDMA V_RMC12.2Kbps_Back_0mm_Ch4233

Communication System: UID 0, WCDMA (0); Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium: MSL_835 Medium parameters used: $f = 847$ MHz; $\sigma = 0.995$ S/m; $\epsilon_r = 57.184$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(9.03, 9.03, 9.03); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch4233/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.54 W/kg

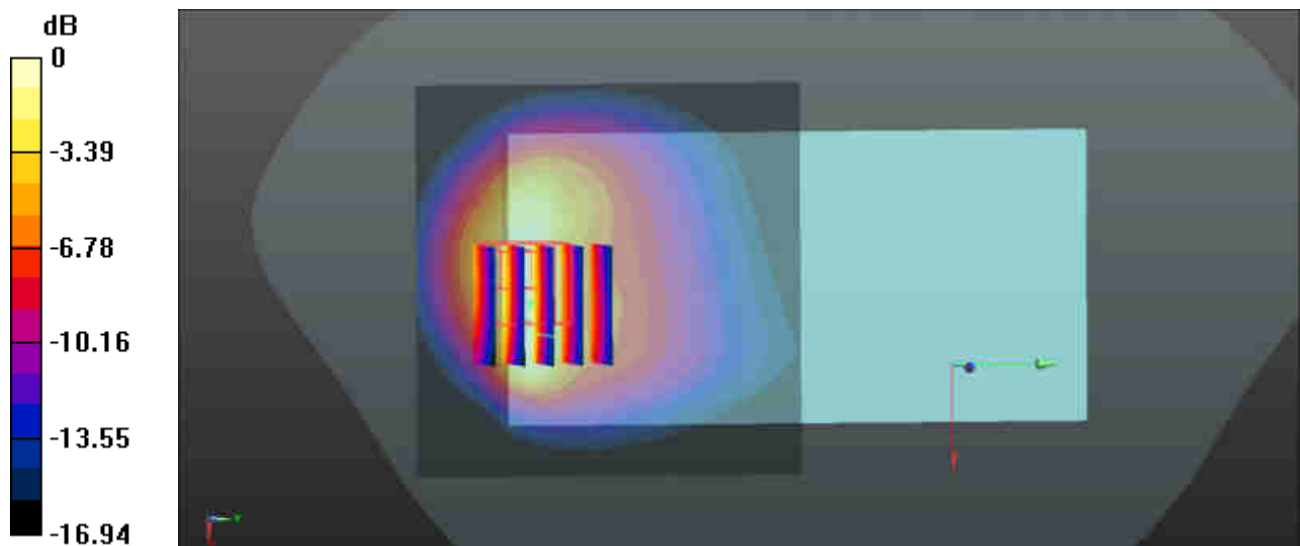
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.150 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 7.38 W/kg

SAR(1 g) = 2.87 W/kg; SAR(10 g) = 1.45 W/kg

Maximum value of SAR (measured) = 4.04 W/kg



0 dB = 4.04 W/kg = 6.06 dBW/kg

#66_WCDMA IV_RMC12.2Kbps_Back_0mm_Ch1513

Communication System: UID 0, WCDMA (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1
Medium: MSL_1750 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.524$ S/m; $\epsilon_r = 54.068$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.41, 7.41, 7.41); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch1513/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.83 W/kg

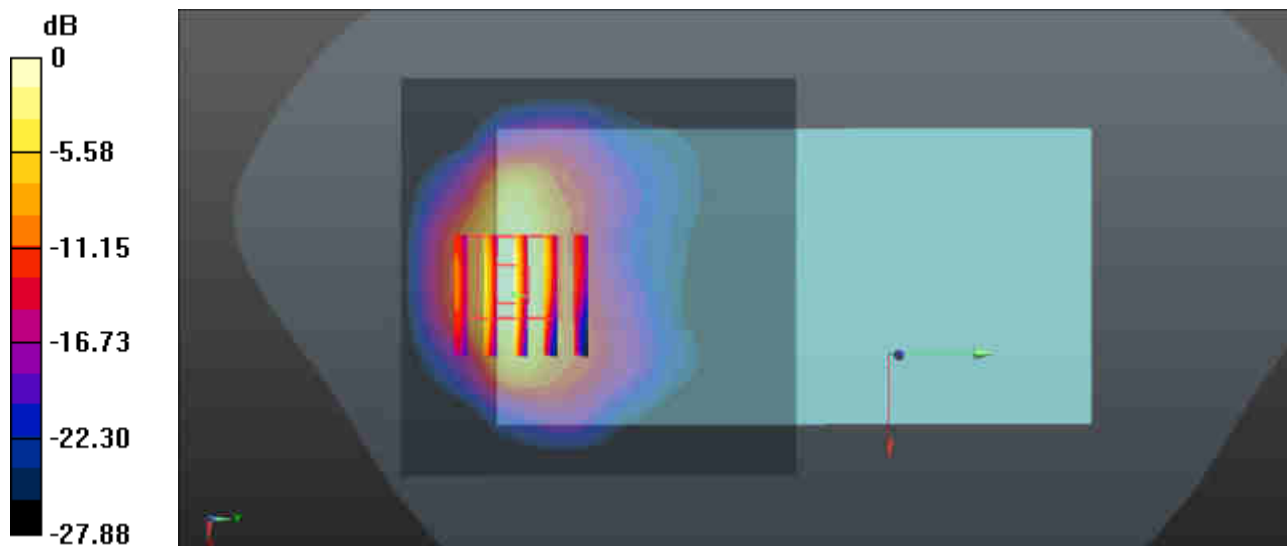
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 14.4 W/kg

SAR(1 g) = 6.8 W/kg; SAR(10 g) = 2.92 W/kg

Maximum value of SAR (measured) = 9.90 W/kg



#67_WCDMA II_RMC12.2Kbps_Bottom Side_0mm_Ch9262

Communication System: UID 0, WCDMA (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL_1900 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.473$ S/m; $\epsilon_r = 51.721$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.07, 7.07, 7.07); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch9262/Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.15 W/kg

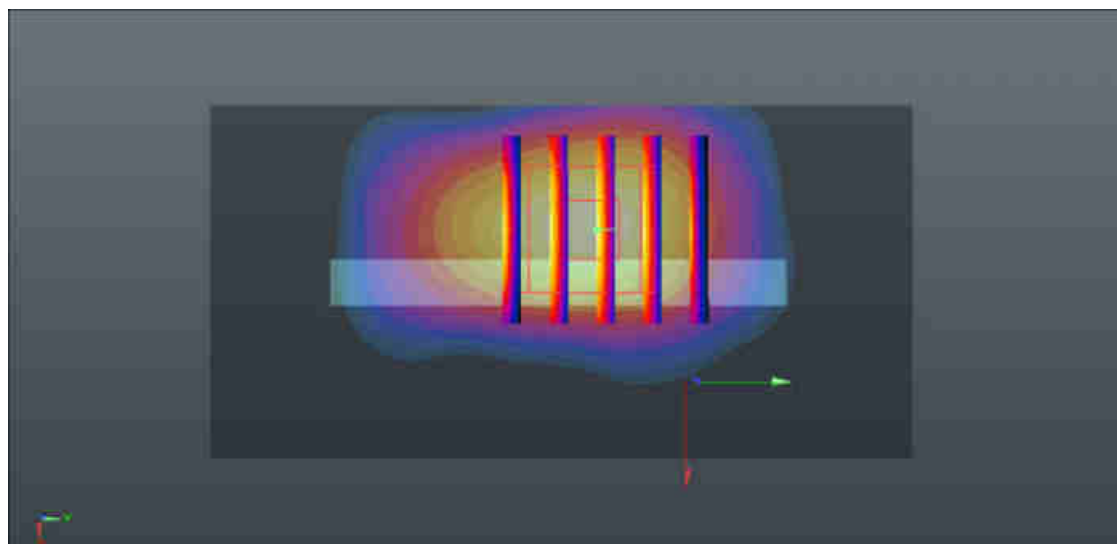
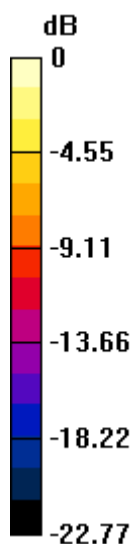
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.247 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 13.5 W/kg

SAR(1 g) = 5.99 W/kg; SAR(10 g) = 2.58 W/kg

Maximum value of SAR (measured) = 8.71 W/kg



0 dB = 8.71 W/kg = 9.40 dBW/kg

#68_CDMA BC0_RC3 SO32 (F+SCH)_Back_0mm_Ch384

Communication System: UID 0, CDMA (0); Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium: MSL_835 Medium parameters used: $f = 837$ MHz; $\sigma = 0.985$ S/m; $\epsilon_r = 57.28$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4-SN3843; ConvF(9.03, 9.03, 9.03); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch384/Area Scan (71x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 3.51 W/kg

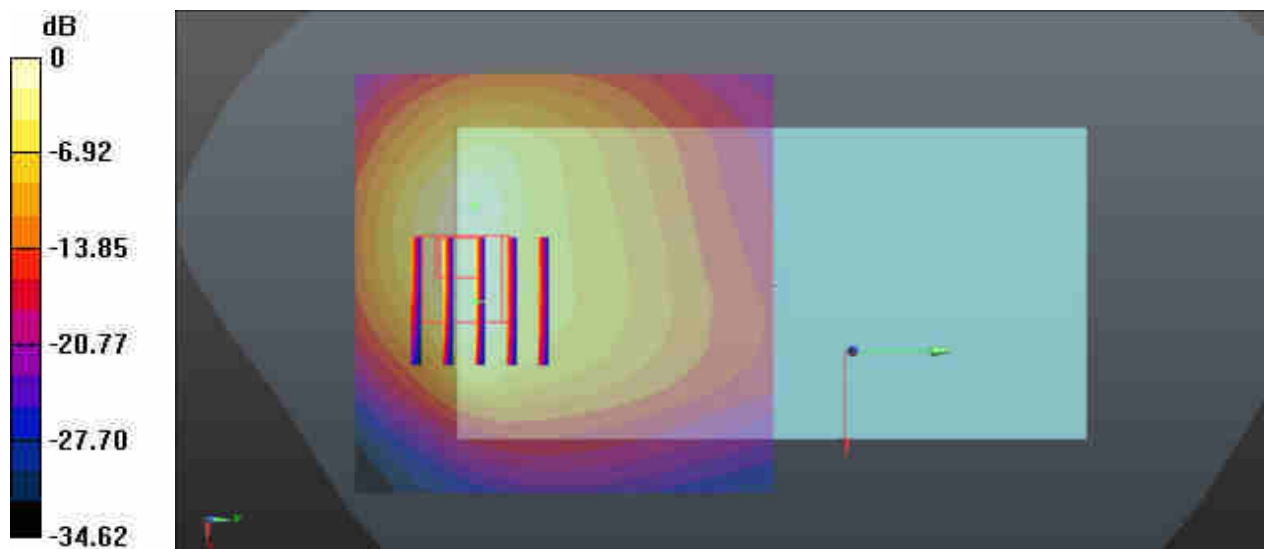
Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.741 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 5.94 W/kg

SAR(1 g) = 2.34 W/kg; SAR(10 g) = 1.16 W/kg

Maximum value of SAR (measured) = 3.23 W/kg



0 dB = 3.51 W/kg = 5.45 dBW/kg

#69_CDMA BC1_RTAP 153.6Kbps_Back_0mm_Ch1175

Communication System: UID 0, CDMA (0); Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium: MSL_1900 Medium parameters used: $f = 1909$ MHz; $\sigma = 1.535$ S/m; $\epsilon_r = 51.551$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4-SN3843; ConvF(7.07, 7.07, 7.07); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch1175/Area Scan (71x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 8.54 W/kg

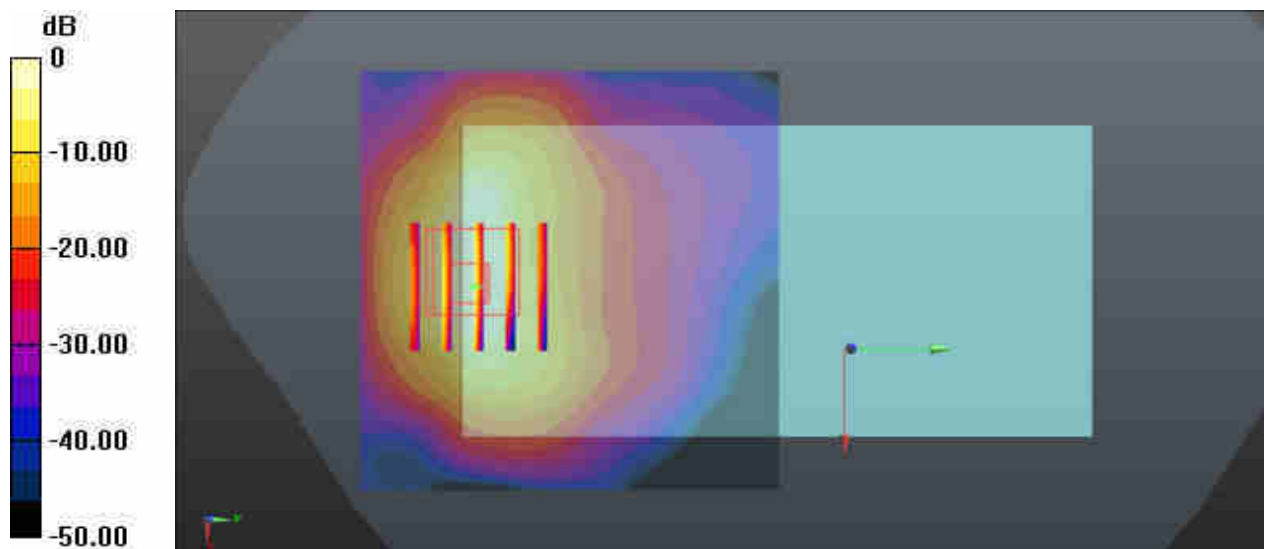
Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 1.165 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 14.9 W/kg

SAR(1 g) = 6.71 W/kg; SAR(10 g) = 2.86 W/kg

Maximum value of SAR (measured) = 9.49 W/kg



0 dB = 8.54 W/kg = 9.31 dBW/kg

#70_CDMA BC10_RTAP 153.6Kbps_Back_0mm_Ch476

Communication System: UID 0, CDMA (0); Frequency: 817.9 MHz; Duty Cycle: 1:1
Medium: MSL_835 Medium parameters used: $f = 818$ MHz; $\sigma = 0.967$ S/m; $\epsilon_r = 57.457$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4-SN3843; ConvF(9.03, 9.03, 9.03); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch476/Area Scan (71x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 2.37 W/kg

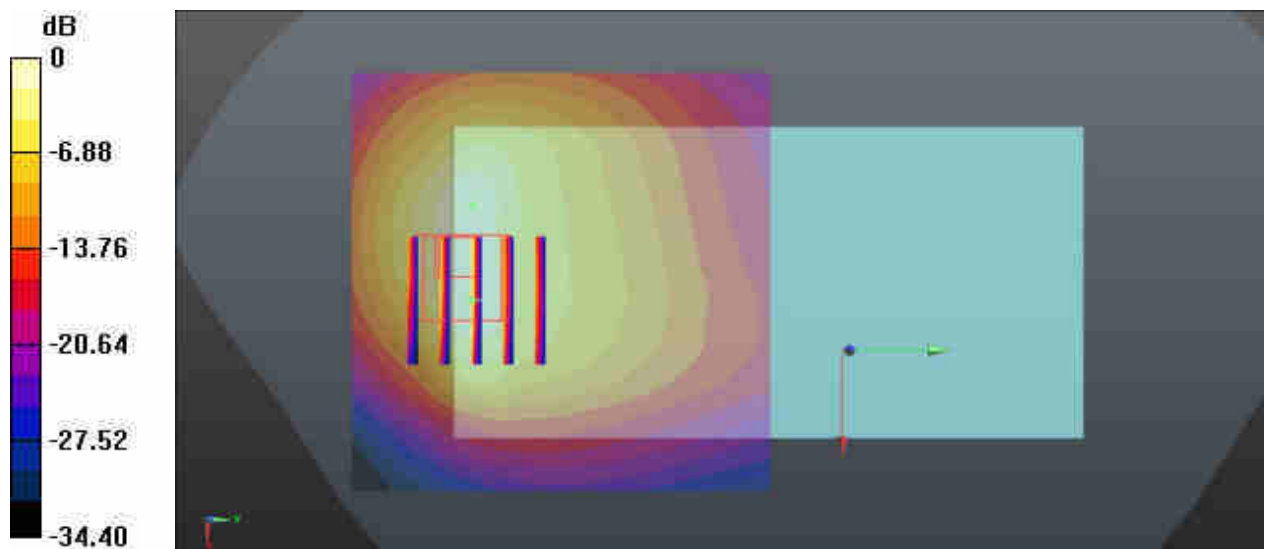
Ch476/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.349 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 4.05 W/kg

SAR(1 g) = 1.55 W/kg; SAR(10 g) = 0.777 W/kg

Maximum value of SAR (measured) = 2.19 W/kg



0 dB = 2.37 W/kg = 3.75 dBW/kg

#71_LTE Band 13_10M_QPSK_1_0_Back_0mm_Ch23230

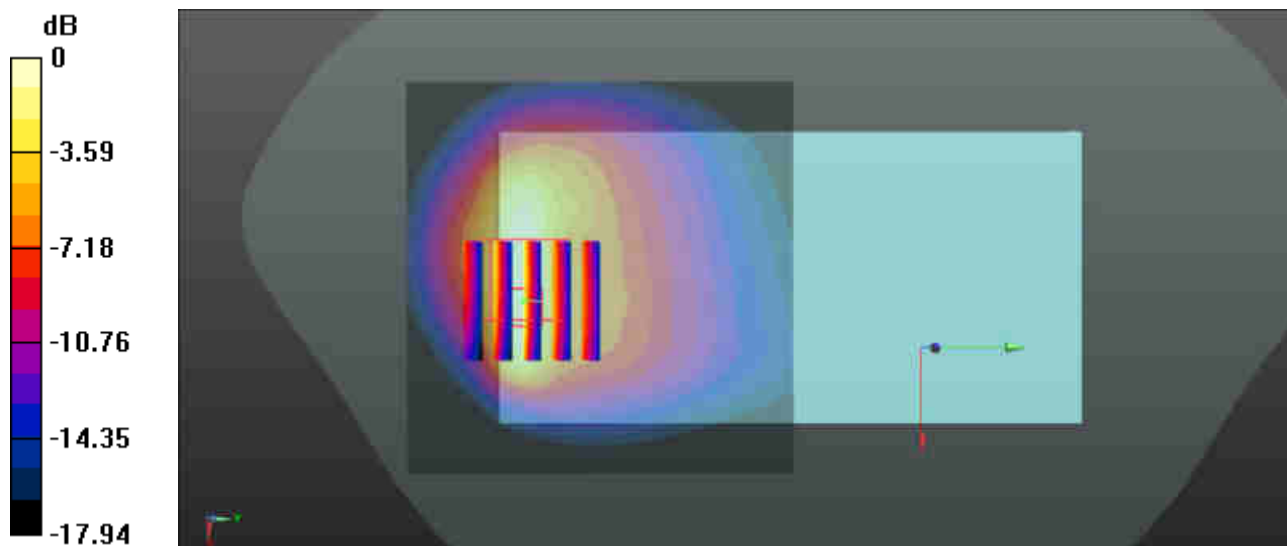
Communication System: UID 0, LTE-FDD (0); Frequency: 782 MHz; Duty Cycle: 1:1
Medium: MSL_750 Medium parameters used: $f = 782$ MHz; $\sigma = 0.997$ S/m; $\epsilon_r = 56.128$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(9.31, 9.31, 9.31); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch23230/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.79 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.52 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 11.9 W/kg
SAR(1 g) = 4.02 W/kg; SAR(10 g) = 1.91 W/kg
Maximum value of SAR (measured) = 6.11 W/kg



0 dB = 6.11 W/kg = 7.86 dBW/kg

#72_LTE Band 26_15M_QPSK_1_0_Back_0mm_Ch26865

Communication System: UID 0, LTE-FDD (0); Frequency: 831.5 MHz; Duty Cycle: 1:1
Medium: MSL_835 Medium parameters used: $f = 831.5$ MHz; $\sigma = 0.98$ S/m; $\epsilon_r = 57.331$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(9.03, 9.03, 9.03); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch26865/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.49 W/kg

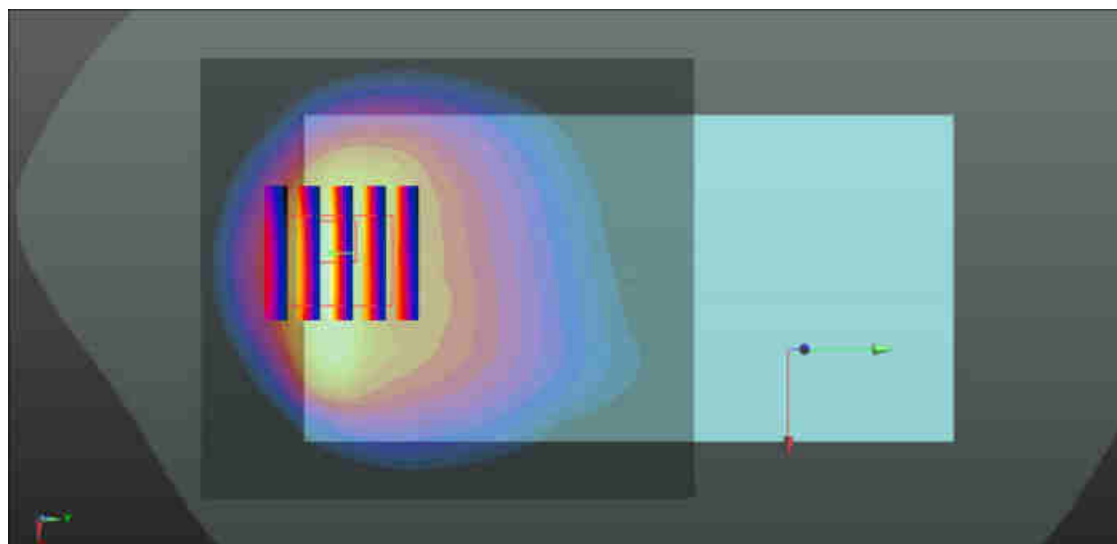
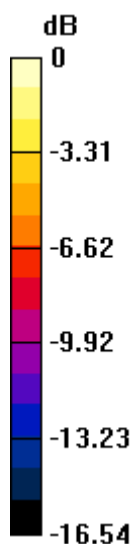
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.16 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 9.92 W/kg

SAR(1 g) = 3.95 W/kg; SAR(10 g) = 1.91 W/kg

Maximum value of SAR (measured) = 5.66 W/kg



0 dB = 5.66 W/kg = 7.53 dBW/kg

#73_LTE Band 66_20M_QPSK_100RB_0Offset_Bottom Side_0mm_Ch132072

Communication System: UID 0, LTE-FDD (0); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.49$ S/m; $\epsilon_r = 54.165$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.41, 7.41, 7.41); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch132072/Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.44 W/kg

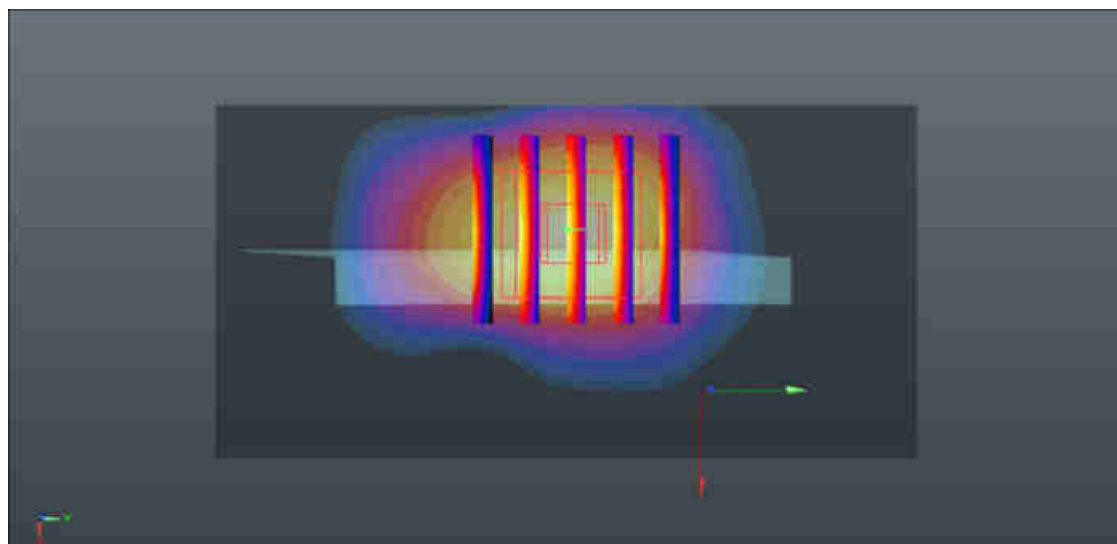
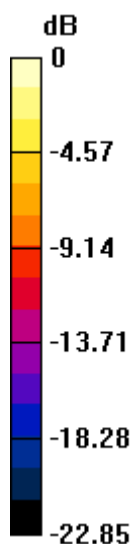
Ch132072/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 66.75 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 13.3 W/kg

SAR(1 g) = 6.08 W/kg; SAR(10 g) = 2.61 W/kg

Maximum value of SAR (measured) = 8.92 W/kg



0 dB = 8.92 W/kg = 9.50 dBW/kg

#74_LTE Band 25_20M_QPSK_50RB_24Offset_Bottom Side_0mm_Ch26140

Communication System: UID 0, LTE-FDD (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.481$ S/m; $\epsilon_r = 51.706$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.07, 7.07, 7.07); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch26140/Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 10.0 W/kg

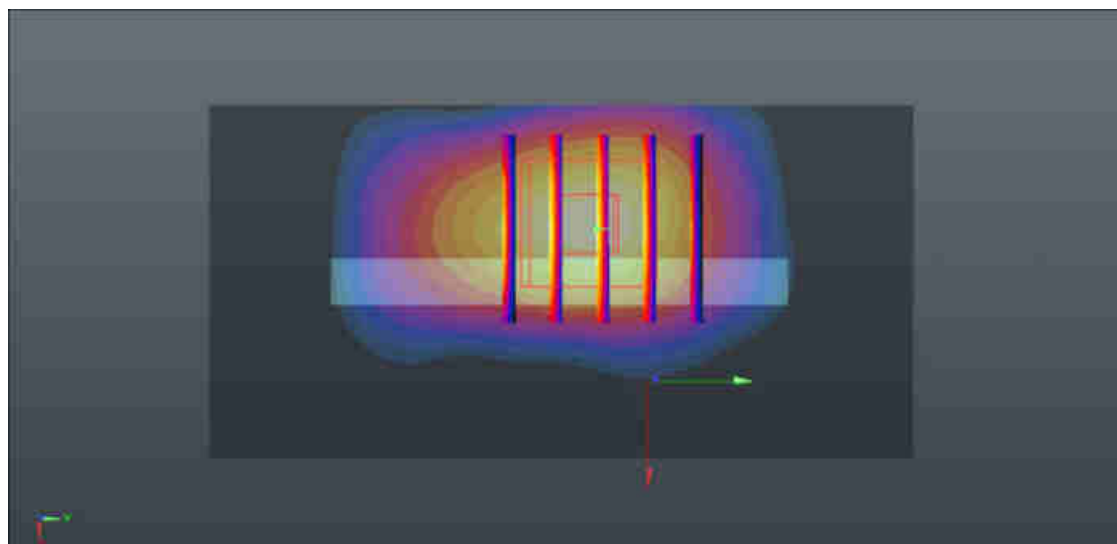
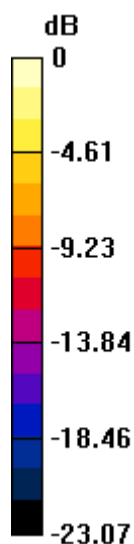
Ch26140/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 65.40 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 17.1 W/kg

SAR(1 g) = 7.4 W/kg; SAR(10 g) = 3.14 W/kg

Maximum value of SAR (measured) = 10.9 W/kg



0 dB = 10.9 W/kg = 10.37 dBW/kg

#75_LTE Band 7_20M_QPSK_1RB_0Offset_Back_0mm_Ch21350

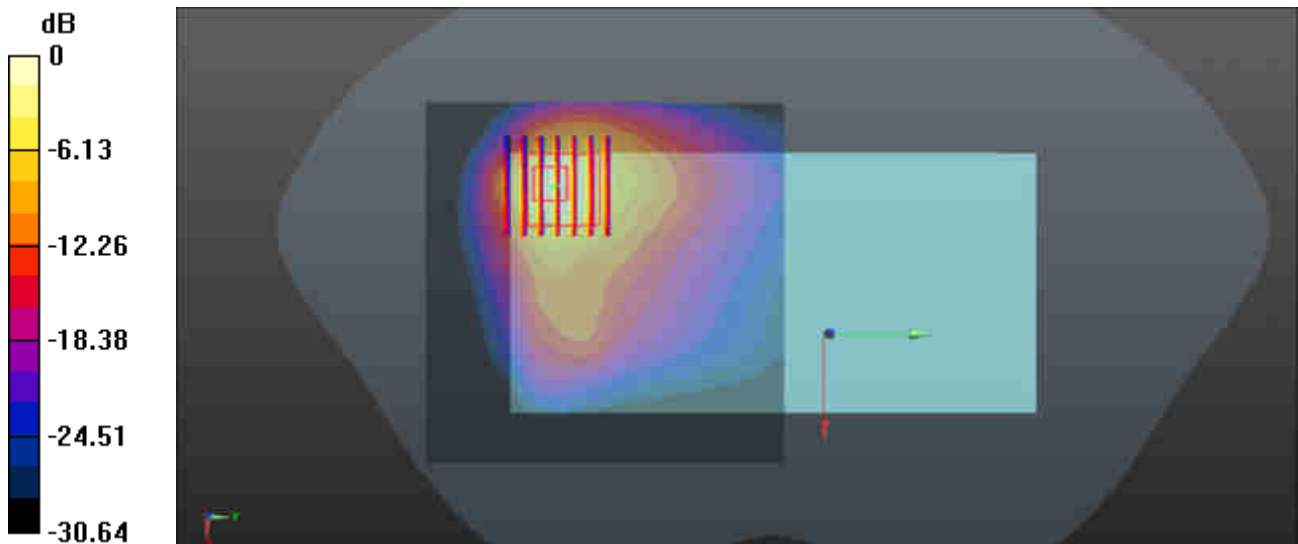
Communication System: UID 0, LTE-FDD (0); Frequency: 2560 MHz; Duty Cycle: 1:1
Medium: MSL_2600 Medium parameters used: $f = 2560$ MHz; $\sigma = 2.125$ S/m; $\epsilon_r = 52.285$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(6.7, 6.7, 6.7); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch21350/Area Scan (91x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 11.3 W/kg

Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.436 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 19.8 W/kg
SAR(1 g) = 6.86 W/kg; SAR(10 g) = 2.67 W/kg
Maximum value of SAR (measured) = 9.27 W/kg



0 dB = 9.27 W/kg = 9.67 dBW/kg

#76_LTE Band 41_20M_QPSK_1RB_0Offset_Back_0mm_Ch41490

Communication System: UID 0, LTE-TDD (0); Frequency: 2680 MHz; Duty Cycle: 1:1.59
Medium: MSL_2600 Medium parameters used: $f = 2680$ MHz; $\sigma = 2.288$ S/m; $\epsilon_r = 51.871$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(6.7, 6.7, 6.7); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Ch41490/Area Scan (91x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 11.4 W/kg

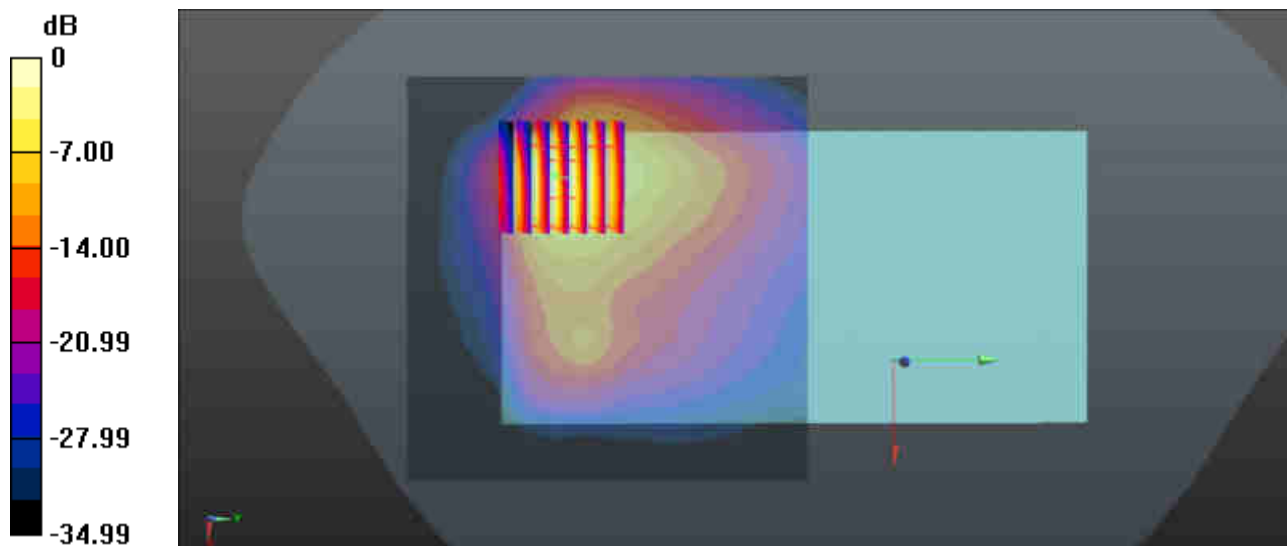
Ch41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.7690 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 22.7 W/kg

SAR(1 g) = 7.3 W/kg; SAR(10 g) = 2.7 W/kg

Maximum value of SAR (measured) = 10.6 W/kg



0 dB = 10.6 W/kg = 10.25 dBW/kg