Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2016.7.27

System Check_Body_2600MHz_160727

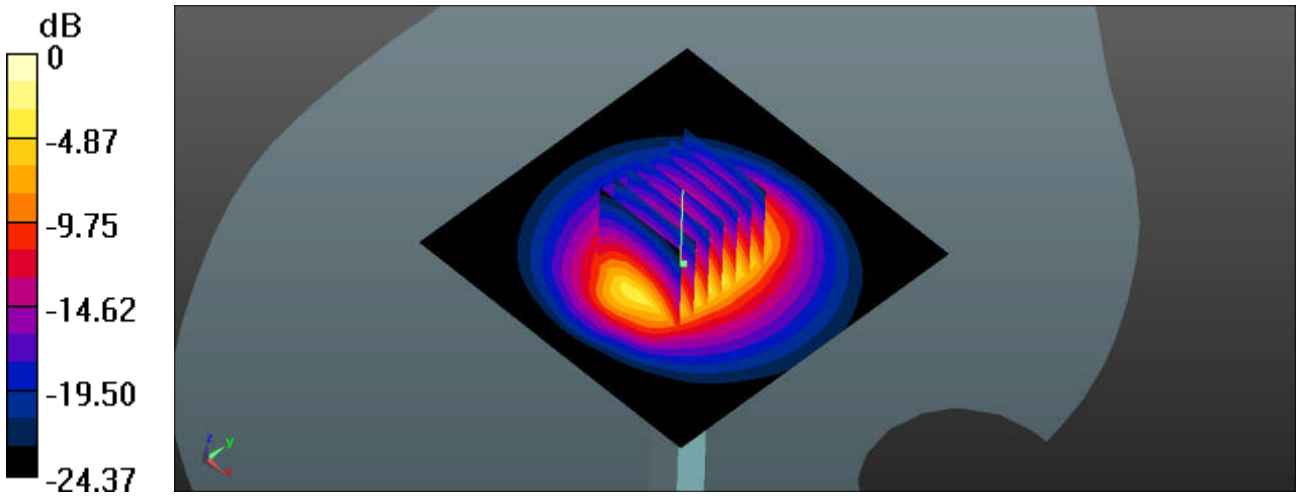
DUT: D2600V2 - SN:1061

Communication System: UID 0, CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: MSL_2600_160727 Medium parameters used: f = 2600 MHz; σ = 2.165 S/m; ε_r = 53.823; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3954; ConvF(7.08, 7.08, 7.08); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2016.4.4
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 19.6 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 81.86 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 27.2 W/kg
SAR(1 g) = 12.6 W/kg; SAR(10 g) = 5.7 W/kg
Maximum value of SAR (measured) = 19.6 W/kg



0 dB = 19.6 W/kg

Appendix B. Plots of High SAR Measurement

The plots are shown as follows.

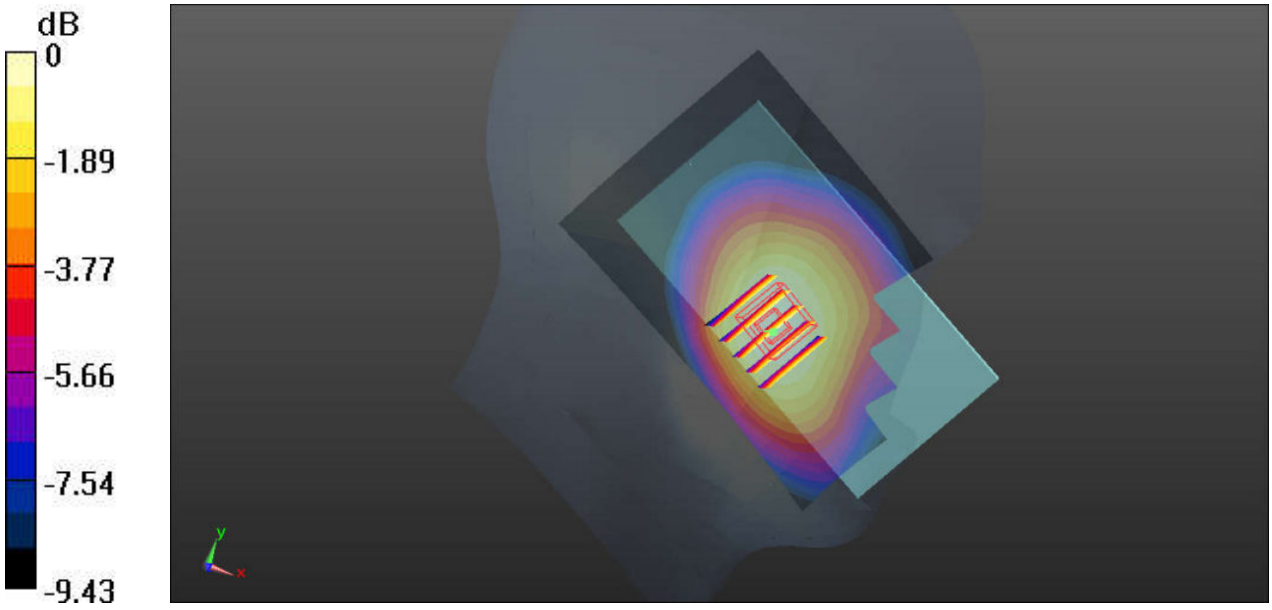
#01_GSM850_GPRS(3 Tx slots)_Left Cheek_Ch189

Communication System: UID 0, GPRS/EDGE11 (0); Frequency: 836.4 MHz;Duty Cycle: 1:2.77
Medium: HSL_835_160427 Medium parameters used: f = 836.6 MHz; σ = 0.917 S/m; ε_r = 41.516; ρ = 1000 kg/m^3
Ambient Temperature: 23.3 ℃ ; **Liquid Temperature**: 22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.15, 10.15, 10.15); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch189/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.363 W/kg

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.211 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.384 W/kg
SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.247 W/kg
Maximum value of SAR (measured) = 0.356 W/kg



0 dB = 0.363 W/kg

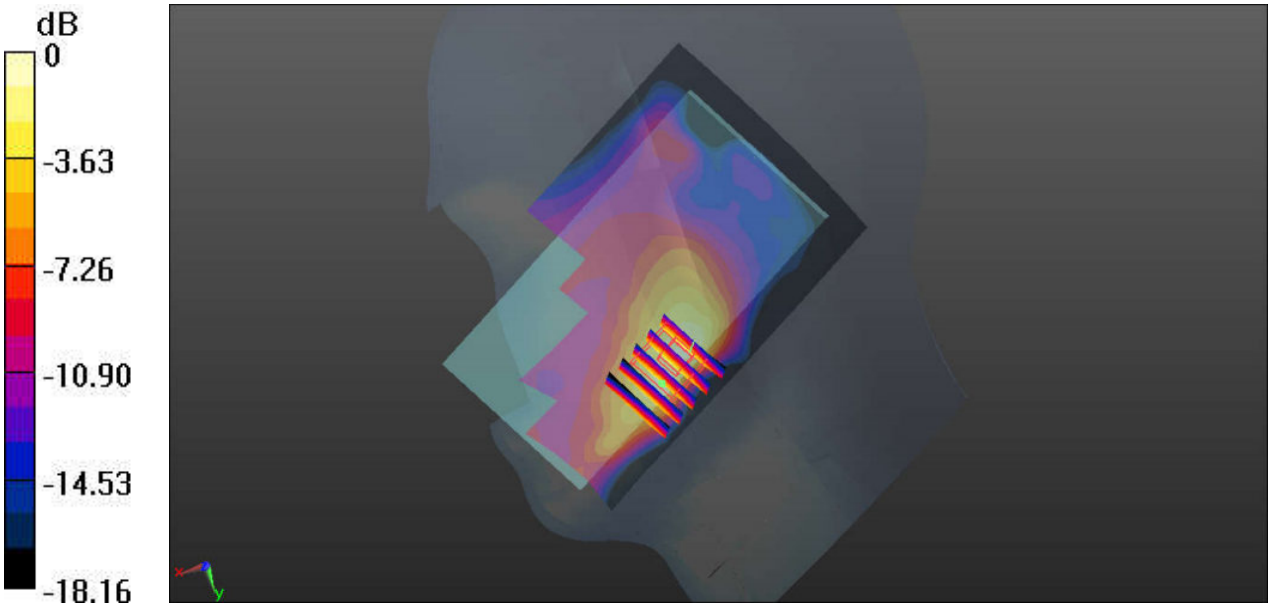
#02_GSM1900_GPRS(4 Tx slots)_Right Cheek_Ch810

Communication System: UID 0, GPRS/EDGE12 (0); Frequency: 1909.8 MHz;Duty Cycle: 1:2.08
Medium: HSL_1900_160427 Medium parameters used: f = 1909.8 MHz; σ = 1.429 S/m; ε_r = 40.972;ρ = 1000 kg/m^3
Ambient Temperature: 23.3 ℃ ; **Liquid Temperature**: 22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.37, 8.37, 8.37); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.483 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.267 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.399 W/kg
SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.138 W/kg
Maximum value of SAR (measured) = 0.320 W/kg



0 dB = 0.483 W/kg

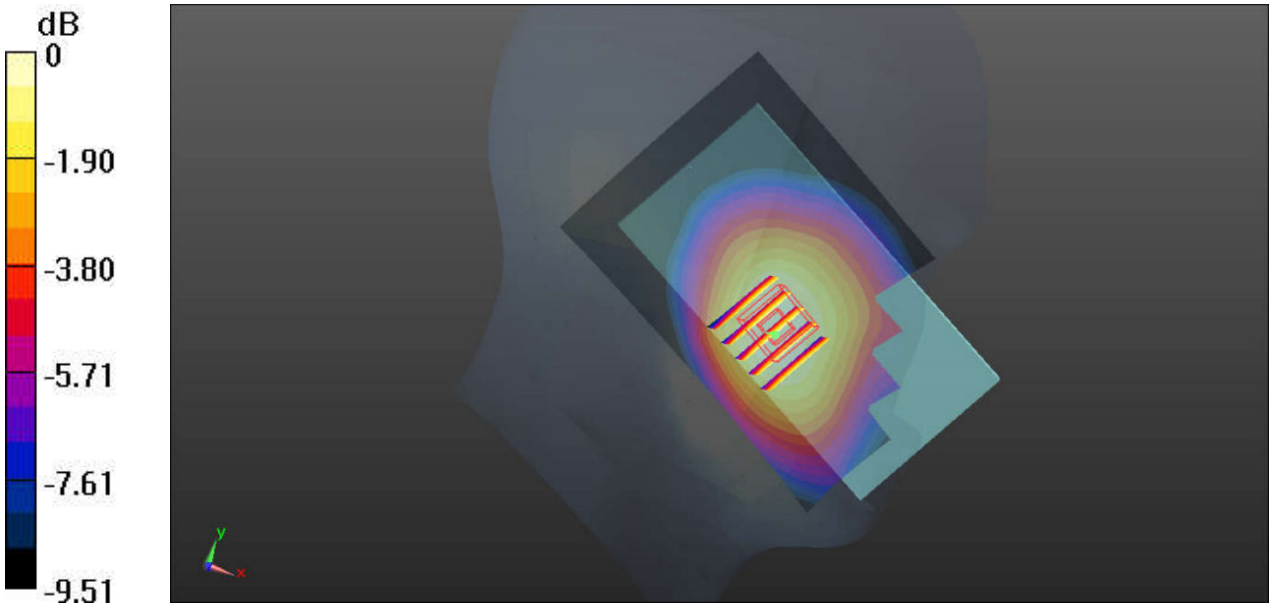
#03_WCDMA V_RMC 12.2Kbps_Left Cheek_Ch4233

Communication System: UID 0, UMTS (0); Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL_835_160427 Medium parameters used: f = 846.6 MHz; σ = 0.925 S/m; ε_r = 41.415; ρ = 1000 kg/m^3
Ambient Temperature: 23.3 ℃ ; **Liquid Temperature**: 22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.15, 10.15, 10.15); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.305 W/kg

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.410 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.325 W/kg
SAR(1 g) = 0.268 W/kg; SAR(10 g) = 0.209 W/kg
Maximum value of SAR (measured) = 0.301 W/kg



0 dB = 0.305 W/kg

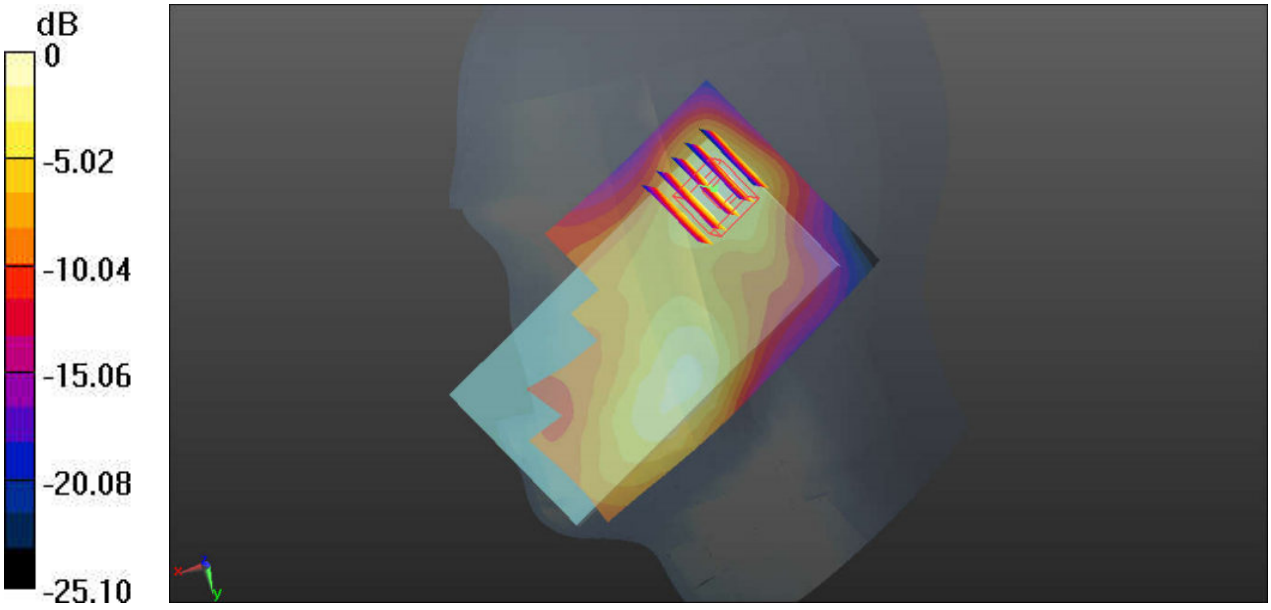
#04_WCDMA IV_RMC 12.2Kbps_Right Cheek_Ch1513

Communication System: UID 0, UMTS (0); Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: HSL_1800_160426 Medium parameters used: f = 1752.6 MHz; σ = 1.384 S/m; ε_r = 39.877;ρ = 1000 kg/m^3
Ambient Temperature: 23.3 ℃ ; **Liquid Temperature**: 22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.69, 8.69, 8.69); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch1513/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.519 W/kg

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.051 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.855 W/kg
SAR(1 g) = 0.371 W/kg; SAR(10 g) = 0.166 W/kg
Maximum value of SAR (measured) = 0.588 W/kg



0 dB = 0.519 W/kg

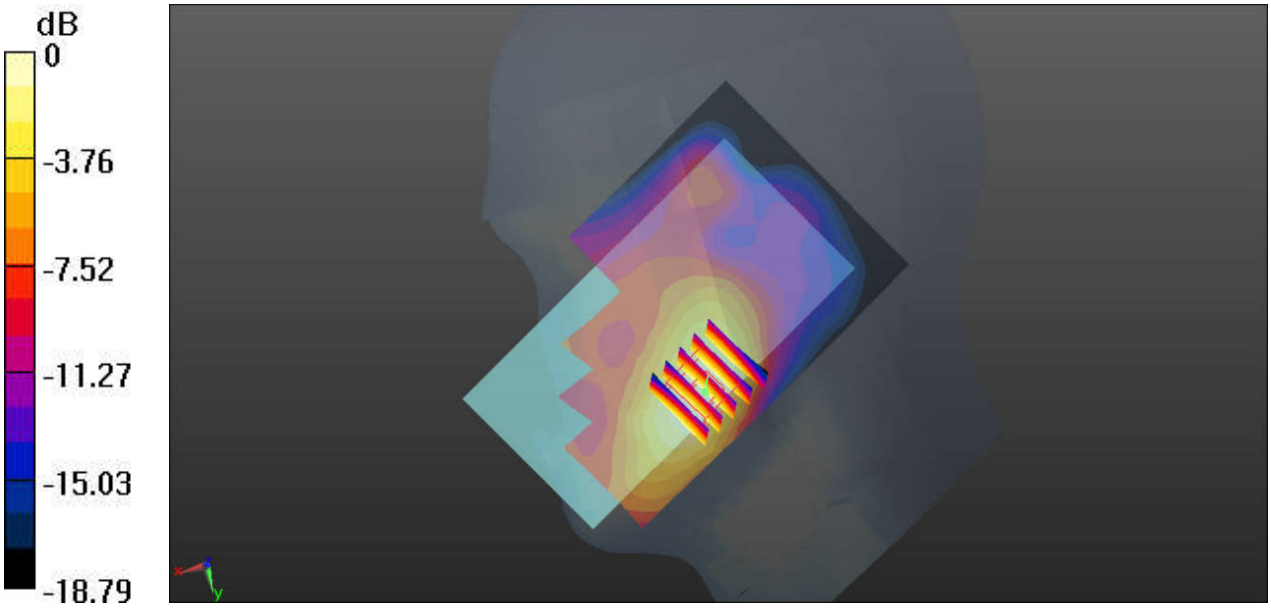
#05_WCDMA II_RMC 12.2Kbps_Right Cheek_Ch9400

Communication System: UID 0, UMTS (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900_160427 Medium parameters used: f = 1880 MHz; σ = 1.392 S/m; ε_r = 41.101; ρ = 1000 kg/m^3
Ambient Temperature: 23.3 ℃ ; **Liquid Temperature**: 22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.37, 8.37, 8.37); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.448 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.009 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.536 W/kg
SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.200 W/kg
Maximum value of SAR (measured) = 0.445 W/kg



0 dB = 0.448 W/kg

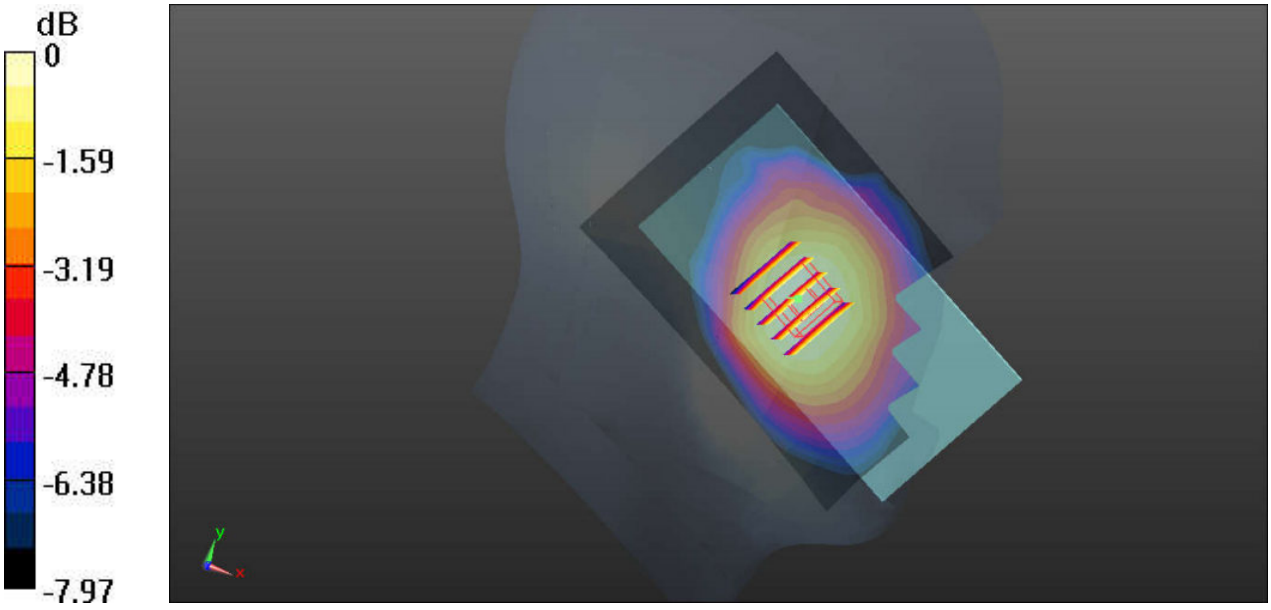
#06_LTE Band 12_10M_QPSK_1RB_25Offset_Left Cheek_Ch23095

Communication System: UID 0, LTE (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: HSL_750_160427 Medium parameters used: f = 707.5 MHz; σ = 0.864 S/m; ε_r = 42.44; ρ = 1000 kg/m^3
Ambient Temperature: 23.3 ℃ ; **Liquid Temperature**: 22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.72, 10.72, 10.72); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.131 W/kg

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.5480 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.129 W/kg
SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.092 W/kg
Maximum value of SAR (measured) = 0.125 W/kg



0 dB = 0.131 W/kg

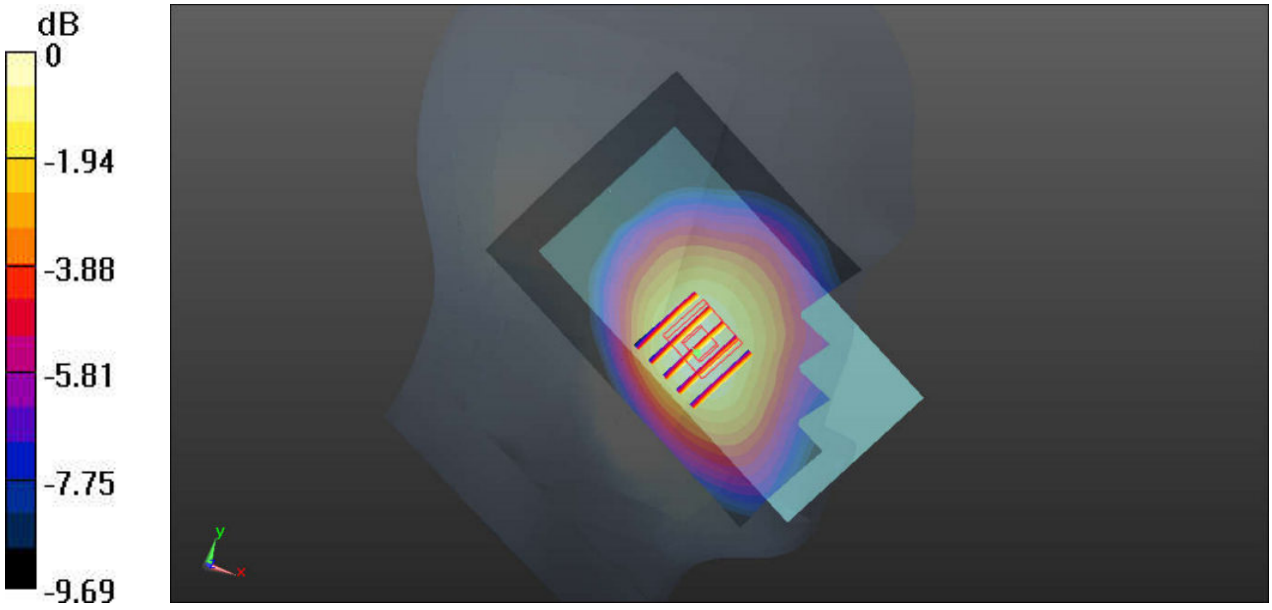
#07_LTE Band 5_10M_QPSK_1RB_25Offset_Left Cheek_Ch20525

Communication System: UID 0, LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL_835_160427 Medium parameters used: f = 836.5 MHz; σ = 0.917 S/m; ε_r = 41.516; ρ = 1000 kg/m^3
Ambient Temperature: 23.3 ℃ ; **Liquid Temperature**: 22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.15, 10.15, 10.15); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.283 W/kg

Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.6760 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.285 W/kg
SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.184 W/kg
Maximum value of SAR (measured) = 0.266 W/kg



0 dB = 0.283 W/kg

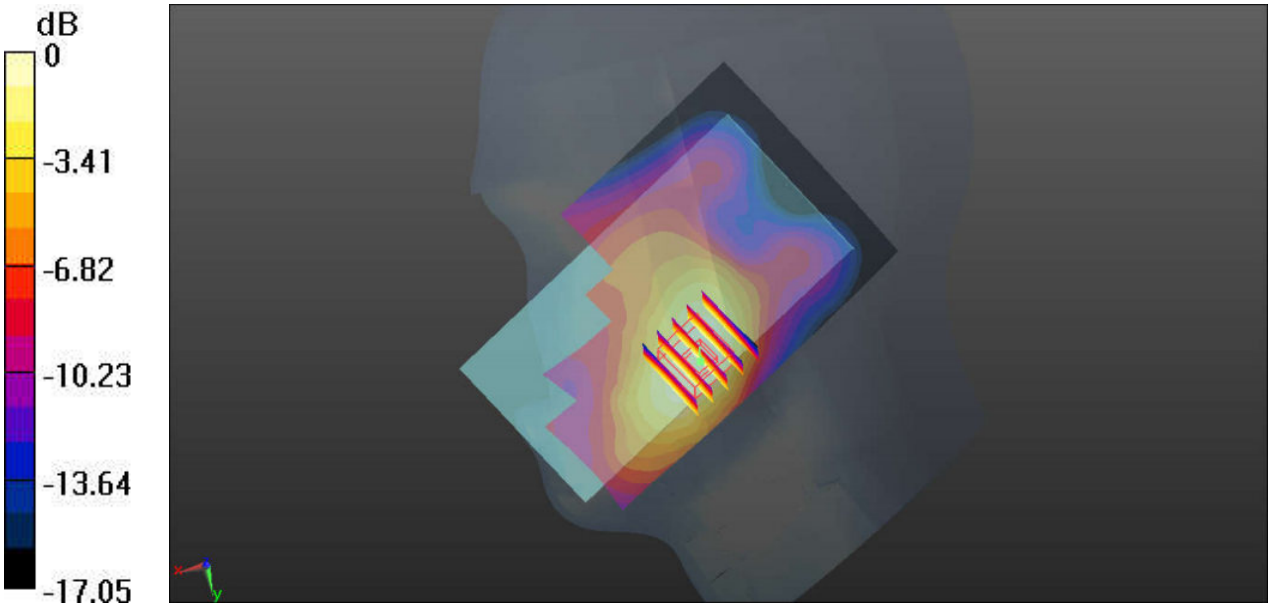
#08_LTE Band 4_20M_QPSK_1RB_49Offset_Right Cheek_Ch20175

Communication System: UID 0, LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_160426 Medium parameters used: f = 1732.5 MHz; σ = 1.369 S/m; ε_r = 39.945; ρ = 1000 kg/m^3
Ambient Temperature: 23.3 ℃ ; **Liquid Temperature**: 22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.69, 8.69, 8.69); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.535 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.008 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.651 W/kg
SAR(1 g) = 0.433 W/kg; SAR(10 g) = 0.271 W/kg
Maximum value of SAR (measured) = 0.552 W/kg



0 dB = 0.535 W/kg

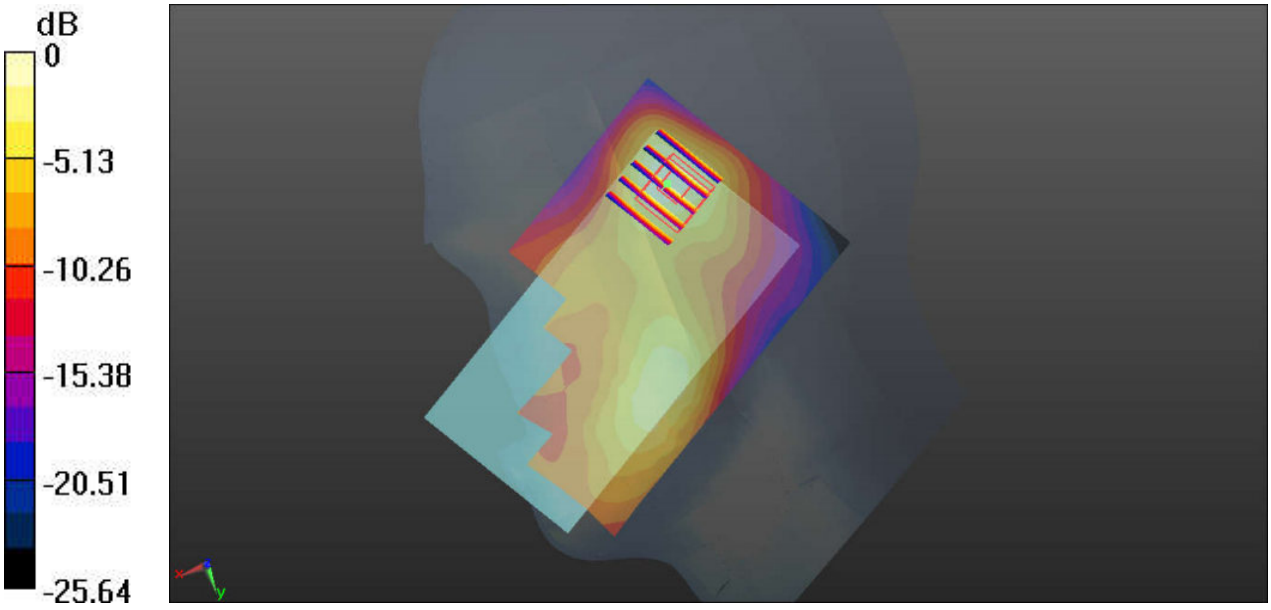
#09_LTE Band 2_20M_QPSK_1RB_49Offset_Right Cheek_Ch18900

Communication System: UID 0, LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900_160528 Medium parameters used: f = 1880 MHz; σ = 1.402 S/m; ε_r = 40.407; ρ = 1000 kg/m^3
Ambient Temperature: 23.5 ℃ ; **Liquid Temperature**: 22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.12, 8.12, 8.12); Calibrated: 2015.10.1;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 2016.1.7
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.750 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.106 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.411 W/kg; SAR(10 g) = 0.201 W/kg
Maximum value of SAR (measured) = 0.857 W/kg



0 dB = 0.750 W/kg

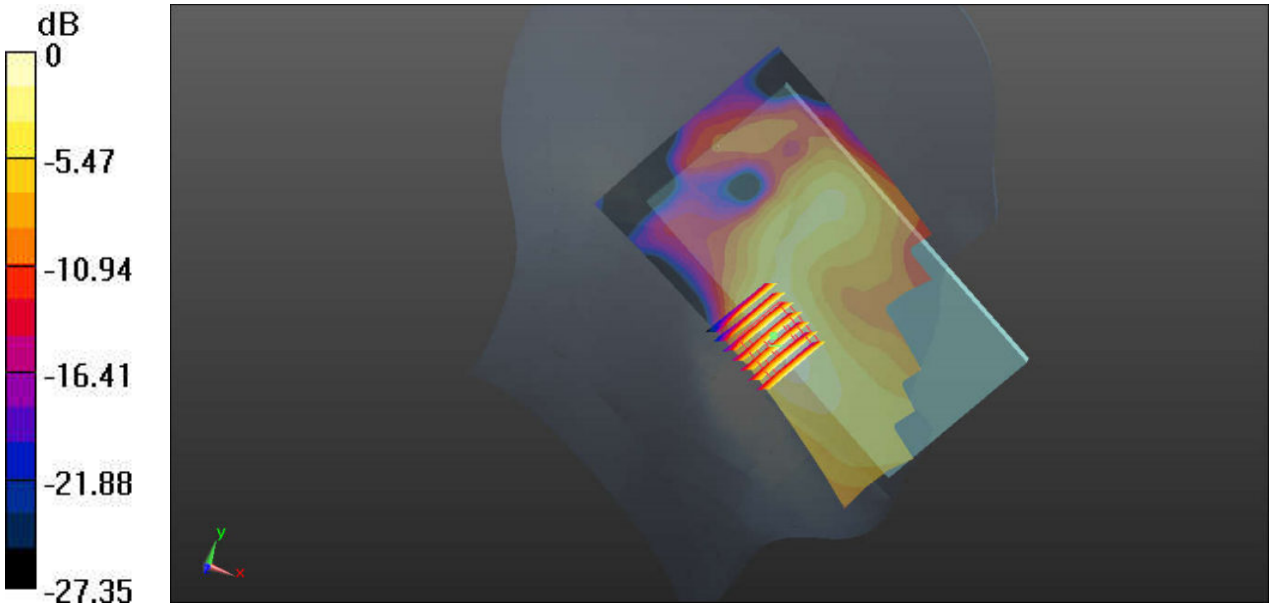
#10_LTE Band 7_20M_QPSK_1RB_49Offset_Left Cheek_Ch20850

Communication System: UID 0, LTE (0); Frequency: 2510 MHz;Duty Cycle: 1:1
Medium: HSL_2600_160428 Medium parameters used: f = 2510 MHz; σ = 1.949 S/m; ε_r = 38.66; ρ = 1000 kg/m^3
Ambient Temperature: 23.5 ℃ ; **Liquid Temperature**: 22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(7.26, 7.26, 7.26); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch20850/Area Scan (81x151x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.235 W/kg

Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.992 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.298 W/kg
SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.089 W/kg
Maximum value of SAR (measured) = 0.230 W/kg



0 dB = 0.235 W/kg

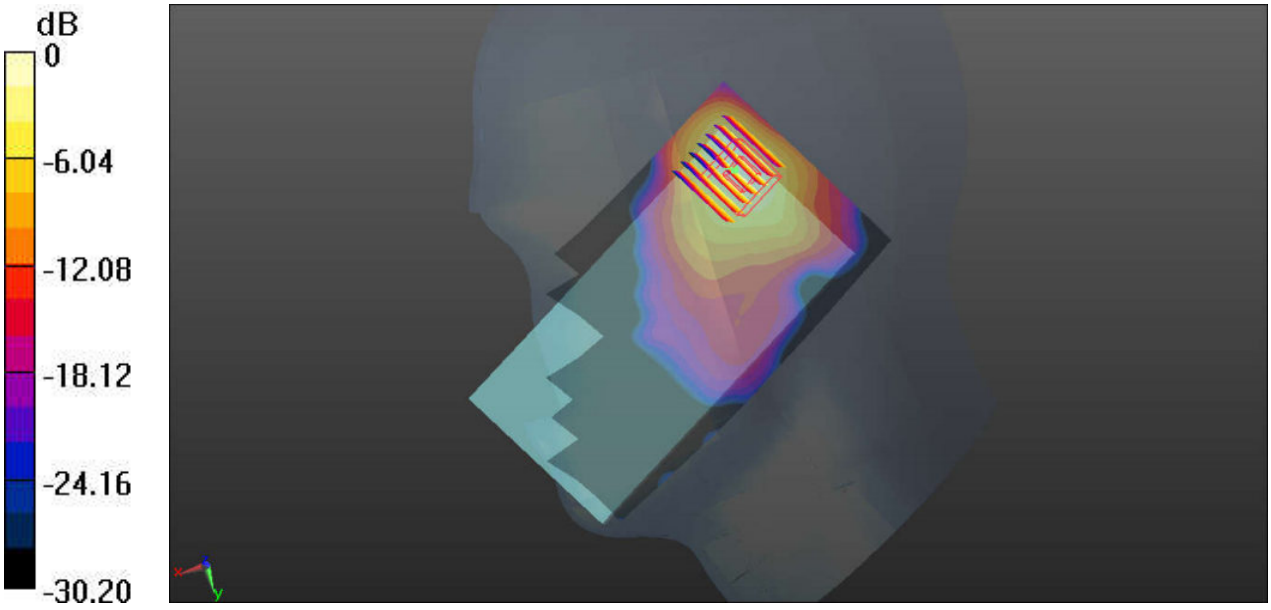
#11_WLAN2.4GHz_802.11b 1Mbps_Right Cheek_Ch1

Communication System: UID 0, WIFI (0); Frequency: 2412 MHz;Duty Cycle: 1:1.021
Medium: HSL_2450_160510 Medium parameters used: f = 2412 MHz; σ = 1.782 S/m; ε_r = 39.791; ρ = 1000 kg/m^3
Ambient Temperature: 23.6 ℃ ; **Liquid Temperature**: 22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3958; ConvF(7.58, 7.58, 7.58); Calibrated: 2015.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2016.2.16
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch1/Area Scan (81x151x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.45 W/kg

Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.8520 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.82 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.468 W/kg
Maximum value of SAR (measured) = 1.81 W/kg



0 dB = 1.45 W/kg

Test Laboratory:Sporton International Inc SAR Testing Lab Date: 2016.5.13

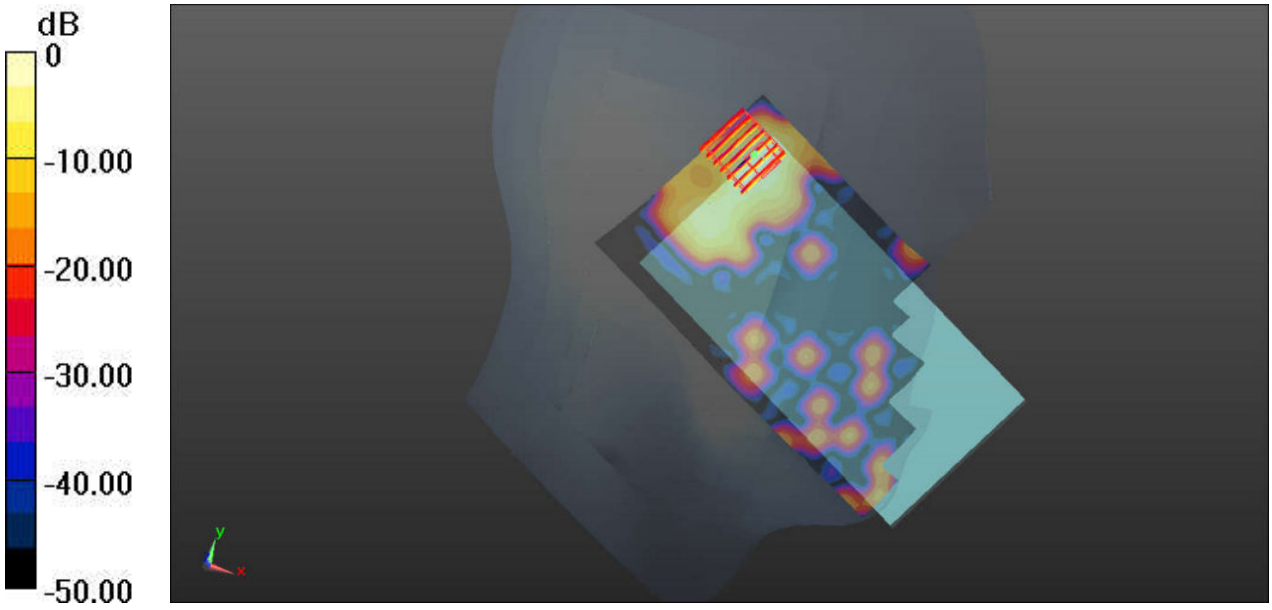
#12_WLAN5GHz_802.11a 6Mbps_Left Cheek_Ch52

Communication System: UID 0, WIFI (0); Frequency: 5260 MHz;Duty Cycle: 1:1.143
Medium: HSL_5250_160513 Medium parameters used: f = 5260 MHz; σ = 4.64 S/m; ε_r = 37.029; ρ = 1000 kg/m^3
Ambient Temperature: 23.7 ℃ ; **Liquid Temperature**: 22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3958; ConvF(5.77, 5.77, 5.77); Calibrated: 2015.7.23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2016.2.16
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch52/Area Scan (91x171x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.609 W/kg

Ch52/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 1.469 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.896 W/kg
SAR(1 g) = 0.198 W/kg; SAR(10 g) = 0.053 W/kg
Maximum value of SAR (measured) = 0.559 W/kg



0 dB = 0.609 W/kg

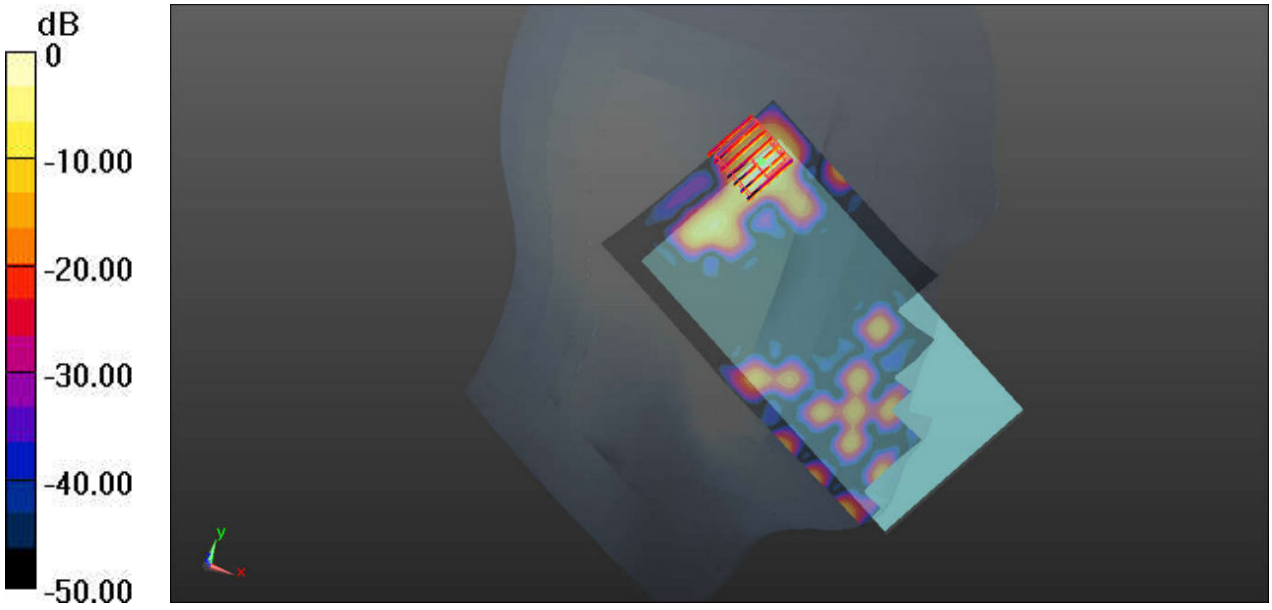
#13_WLAN5GHz_802.11a 6Mbps_Left Cheek_Ch100

Communication System: UID 0, WIFI (0); Frequency: 5500 MHz;Duty Cycle: 1:1.143
Medium: HSL_5600_160513 Medium parameters used: f = 5500 MHz; σ = 4.919 S/m; ε_r = 36.678; ρ = 1000 kg/m^3
Ambient Temperature: 23.8 ℃ ; **Liquid Temperature**: 22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3958; ConvF(4.95, 4.95, 4.95); Calibrated: 2015.7.23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2016.2.16
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch100/Area Scan (91x171x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.485 W/kg

Ch100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 1.207 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.359 W/kg
SAR(1 g) = 0.083 W/kg; SAR(10 g) = 0.022 W/kg
Maximum value of SAR (measured) = 0.218 W/kg



0 dB = 0.485 W/kg

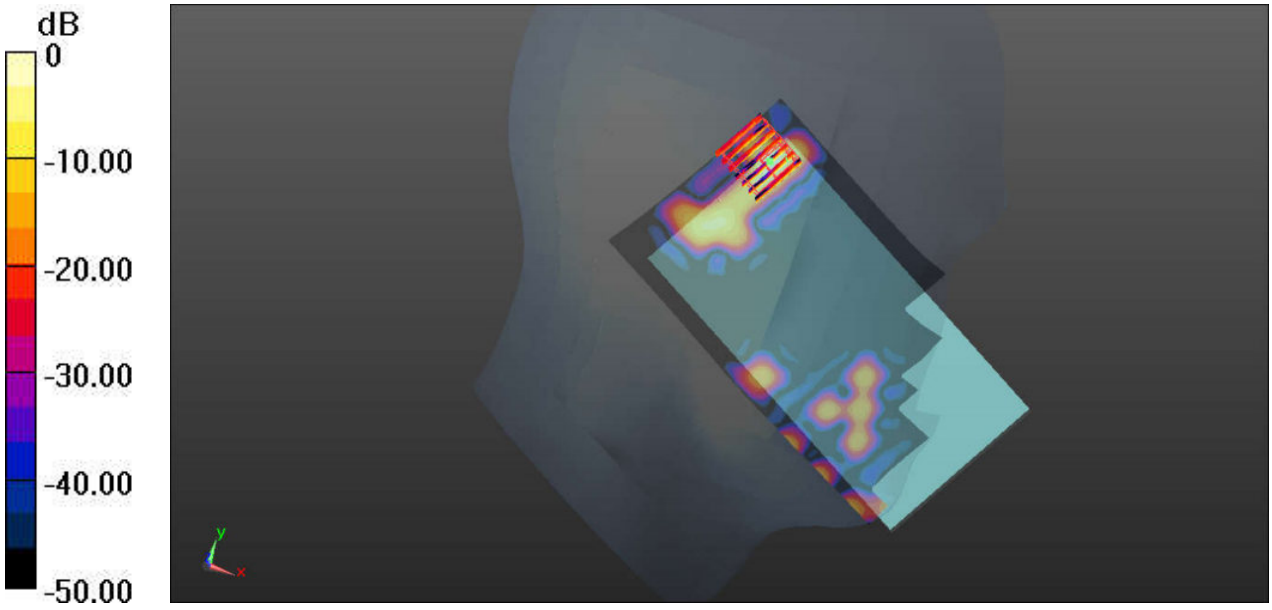
#14_WLAN5GHz_802.11a 6Mbps_Left Cheek_Ch149

Communication System: UID 0, WIFI (0); Frequency: 5745 MHz;Duty Cycle: 1:1.143
Medium: HSL_5750_160513 Medium parameters used: f = 5745 MHz; σ = 5.195 S/m; ε_r = 36.264; ρ = 1000 kg/m^3
Ambient Temperature: 23.8 ℃ ; **Liquid Temperature**: 22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3958; ConvF(5.15, 5.15, 5.15); Calibrated: 2015.7.23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2016.2.16
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch149/Area Scan (91x171x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.444 W/kg

Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 1.386 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.432 W/kg
SAR(1 g) = 0.092 W/kg; SAR(10 g) = 0.023 W/kg
Maximum value of SAR (measured) = 0.248 W/kg



0 dB = 0.444 W/kg

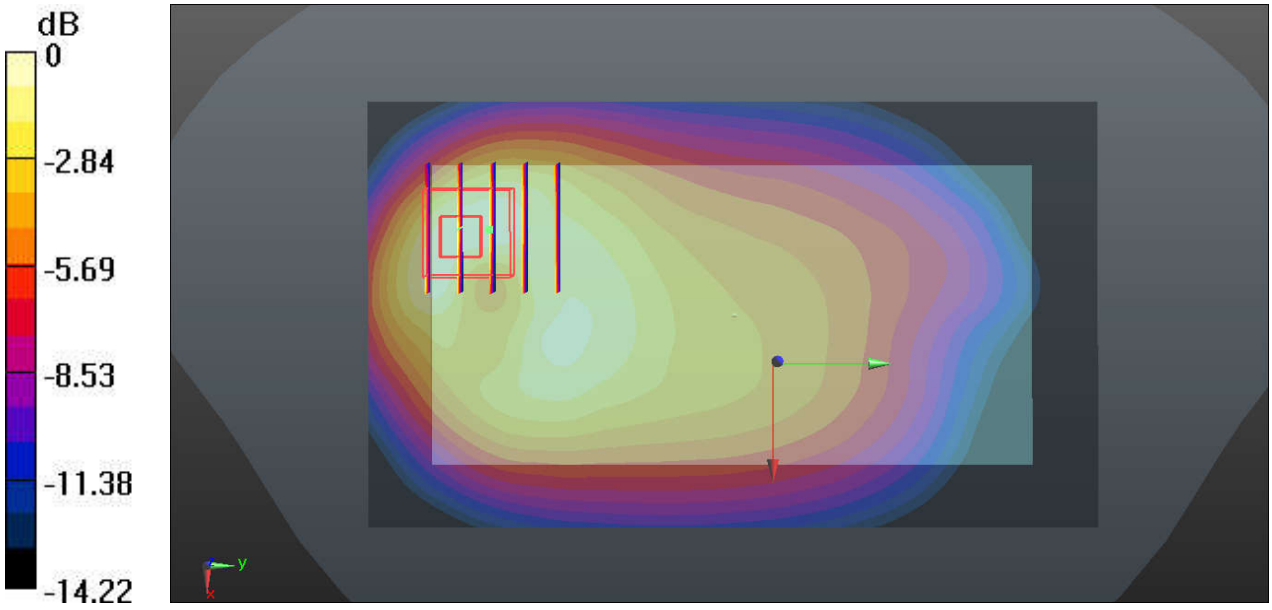
#15_GSM850_GPRS(3 Tx slots)_Back_10mm_Ch251

Communication System: UID 0, GPRS/EDGE11 (0); Frequency: 848.8 MHz;Duty Cycle: 1:2.77
Medium: MSL_835_160510 Medium parameters used: f = 848.8 MHz; σ = 0.989 S/m; ε_r = 54.26; ρ =1000 kg/m^3
Ambient Temperature: 23.2 ℃ ; **Liquid Temperature**: 22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3958; ConvF(9.99, 9.99, 9.99); Calibrated: 2015.7.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2016.2.16
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch251/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.965 W/kg

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.123 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.28 W/kg
SAR(1 g) = 0.746 W/kg; SAR(10 g) = 0.421 W/kg
Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 0.965 W/kg

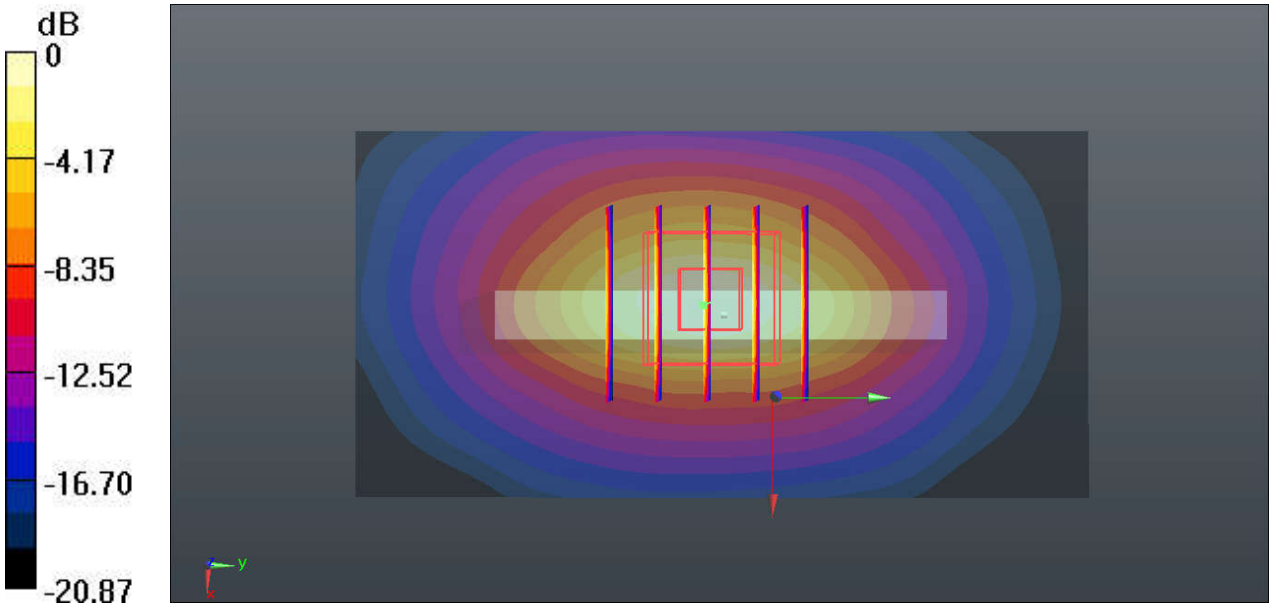
#16_GSM1900_GPRS(2 Tx slots)_Bottom Side_10mm_Ch810

Communication System: UID 0, GPRS/EDGE10 (0); Frequency: 1909.8 MHz;Duty Cycle: 1:2.15
Medium: MSL_1900_160511 Medium parameters used: f = 1909.8 MHz; σ = 1.587 S/m; ε_r = 54.183;ρ = 1000 kg/m^3
Ambient Temperature: 23.5 ℃ ; **Liquid Temperature**: 22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.75, 7.75, 7.75); Calibrated: 2015.10.1;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (41x81x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.37 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.469 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.69 W/kg
SAR(1 g) = 0.940 W/kg; SAR(10 g) = 0.467 W/kg
Maximum value of SAR (measured) = 1.35 W/kg



0 dB = 1.37 W/kg

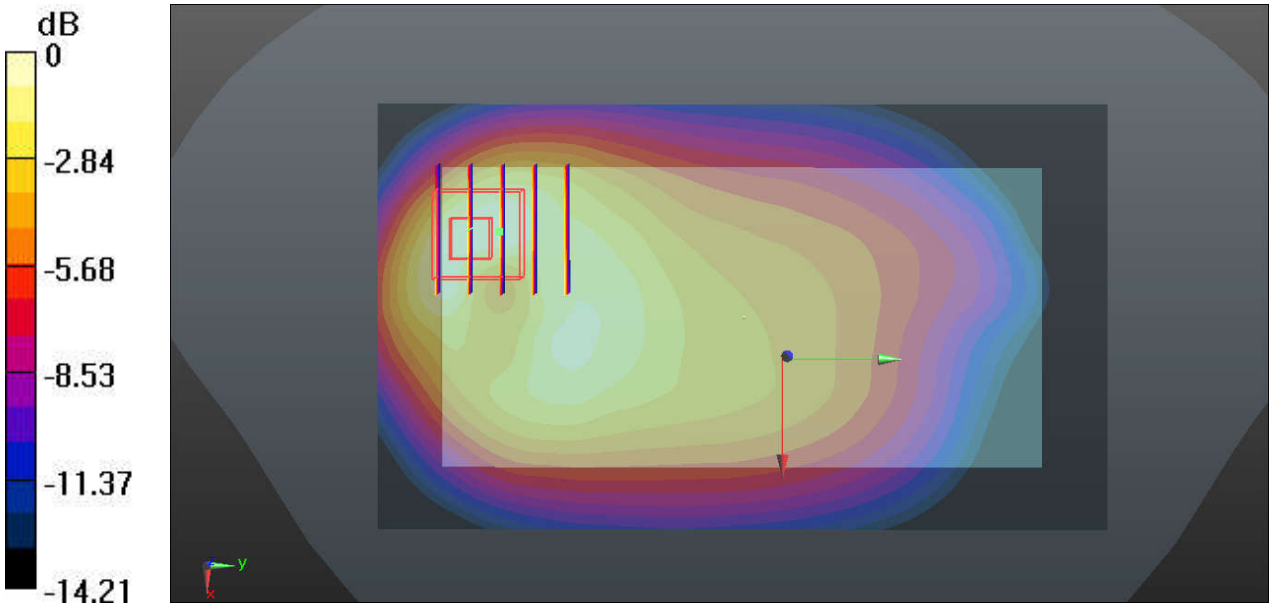
#17_WCDMA V_RMC 12.2Kbps_Back_10mm_Ch4233

Communication System: UID 0, UMTS (0); Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_160510 Medium parameters used: f = 846.6 MHz; σ = 0.988 S/m; ε_r = 54.272; ρ= 1000 kg/m^3
Ambient Temperature: 23.2 ℃ ; **Liquid Temperature**: 22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3958; ConvF(9.99, 9.99, 9.99); Calibrated: 2015.7.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2016.2.16
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.802 W/kg

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.849 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.624 W/kg; SAR(10 g) = 0.352 W/kg
Maximum value of SAR (measured) = 0.844 W/kg



0 dB = 0.802 W/kg

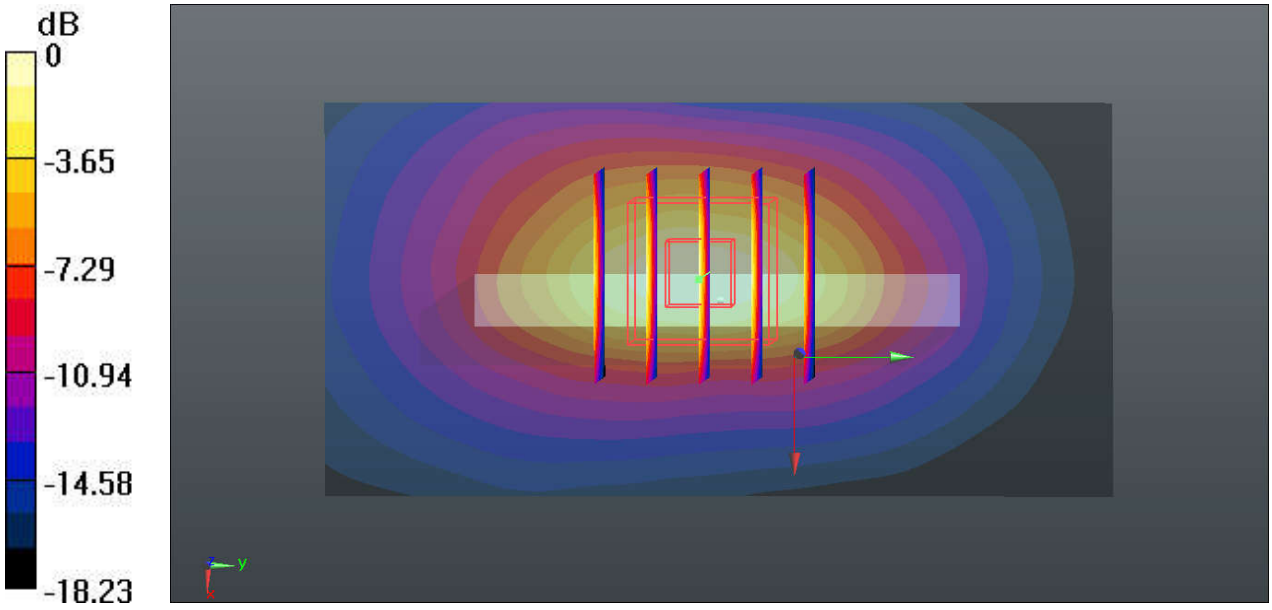
#18_WCDMA IV_RMC 12.2Kbps_Bottom Side_10mm_Ch1413

Communication System: UID 0, UMTS (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: MSL_1800_160511 Medium parameters used: f = 1732.6 MHz; σ = 1.506 S/m; ε_r = 52.08; ρ= 1000 kg/m^3
Ambient Temperature: 23.5 ℃ ; **Liquid Temperature**: 22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.01, 8.01, 8.01); Calibrated: 2015.10.1;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch1413/Area Scan (41x81x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.39 W/kg

Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.324 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 0.989 W/kg; SAR(10 g) = 0.510 W/kg
Maximum value of SAR (measured) = 1.39 W/kg



0 dB = 1.39 W/kg

Test Laboratory:Sporton International Inc SAR Testing Lab Date: 2016.5.11

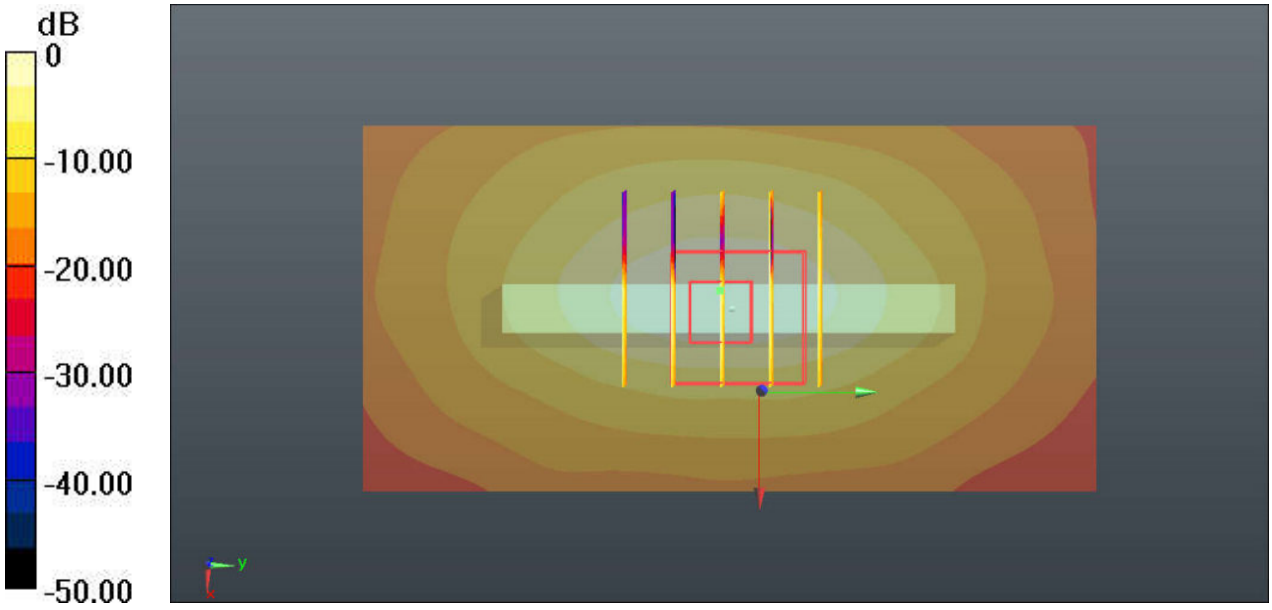
#19_WCDMA II_RMC 12.2Kbps_Bottom Side_10mm_Ch9400

Communication System: UID 0, UMTS (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_160511 Medium parameters used: f = 1880 MHz; σ = 1.554 S/m; ε_r = 54.289; ρ = 1000 kg/m^3
Ambient Temperature: 23.5 ℃ ; **Liquid Temperature**: 22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.75, 7.75, 7.75); Calibrated: 2015.10.1;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (41x81x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.849 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.311 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.36 W/kg
SAR(1 g) = 0.586 W/kg; SAR(10 g) = 0.240 W/kg
Maximum value of SAR (measured) = 0.863 W/kg



0 dB = 0.849 W/kg

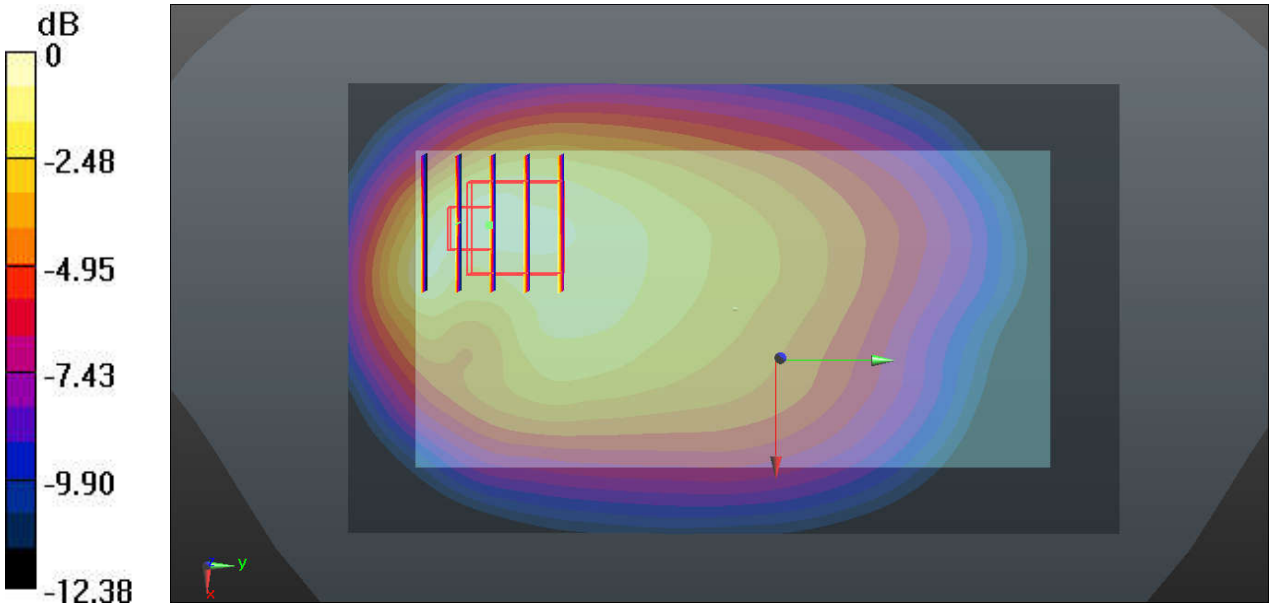
#20_LTE Band 12_10M_QPSK_1RB_25Offset_Back_10mm_Ch23095

Communication System: UID 0, LTE (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_160510 Medium parameters used: f = 707.5 MHz; σ = 0.933 S/m; ε_r = 55.184; ρ = 1000 kg/m^3
Ambient Temperature: 23.5 ℃ ; **Liquid Temperature**: 22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3958; ConvF(10.05, 10.05, 10.05); Calibrated: 2015.7.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2016.2.16
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.405 W/kg

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.968 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.492 W/kg
SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.186 W/kg
Maximum value of SAR (measured) = 0.391 W/kg



0 dB = 0.405 W/kg

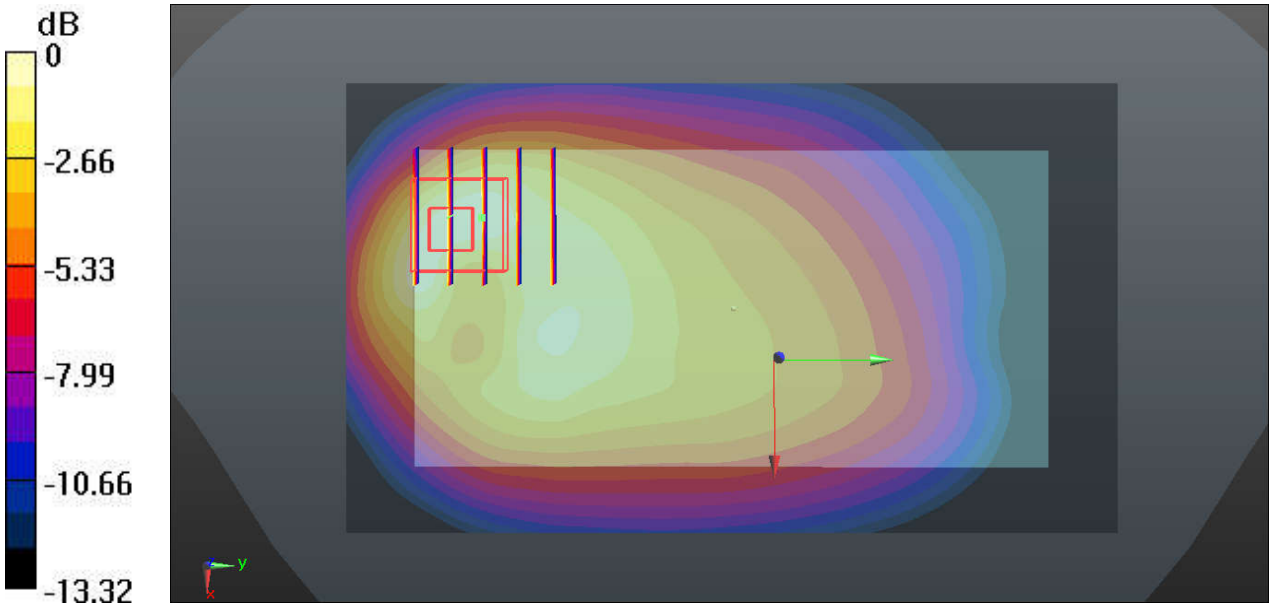
#21_LTE Band 5_10M_QPSK_1RB_25Offset_Back_10mm_Ch20525

Communication System: UID 0, LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: MSL_835_160510 Medium parameters used: f = 836.5 MHz; σ = 0.978 S/m; ε_r = 54.37; ρ = 1000 kg/m^3
Ambient Temperature: 23.2 ℃ ; **Liquid Temperature**: 22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3958; ConvF(9.99, 9.99, 9.99); Calibrated: 2015.7.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2016.2.16
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.694 W/kg

Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.927 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.899 W/kg
SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.301 W/kg
Maximum value of SAR (measured) = 0.697 W/kg



0 dB = 0.694 W/kg

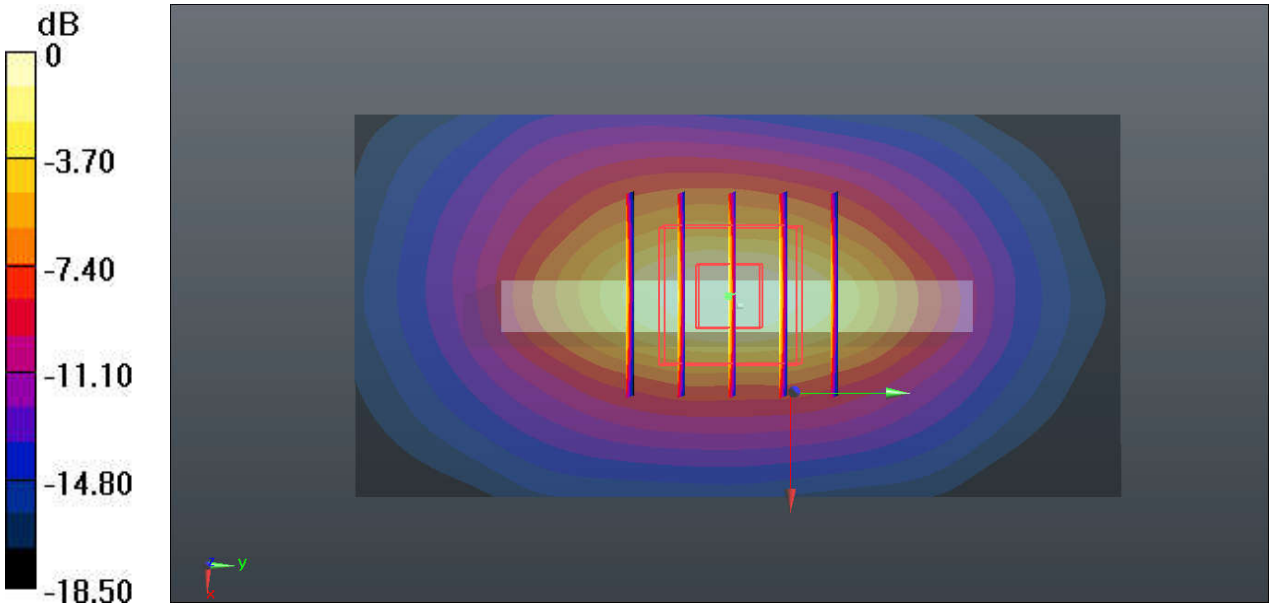
#22_LTE Band 4_20M_QPSK_50RB_0Offset_Bottom Side_10mm_Ch20175

Communication System: UID 0, LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_160511 Medium parameters used: f = 1732.5 MHz; σ = 1.506 S/m; ε_r = 52.082; ρ = 1000 kg/m^3
Ambient Temperature: 23.5 ℃ ; **Liquid Temperature**: 22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.01, 8.01, 8.01); Calibrated: 2015.10.1;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (41x81x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.20 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.939 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.843 W/kg; SAR(10 g) = 0.436 W/kg
Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.20 W/kg

Test Laboratory:Sporton International Inc SAR Testing Lab Date: 2016.5.11

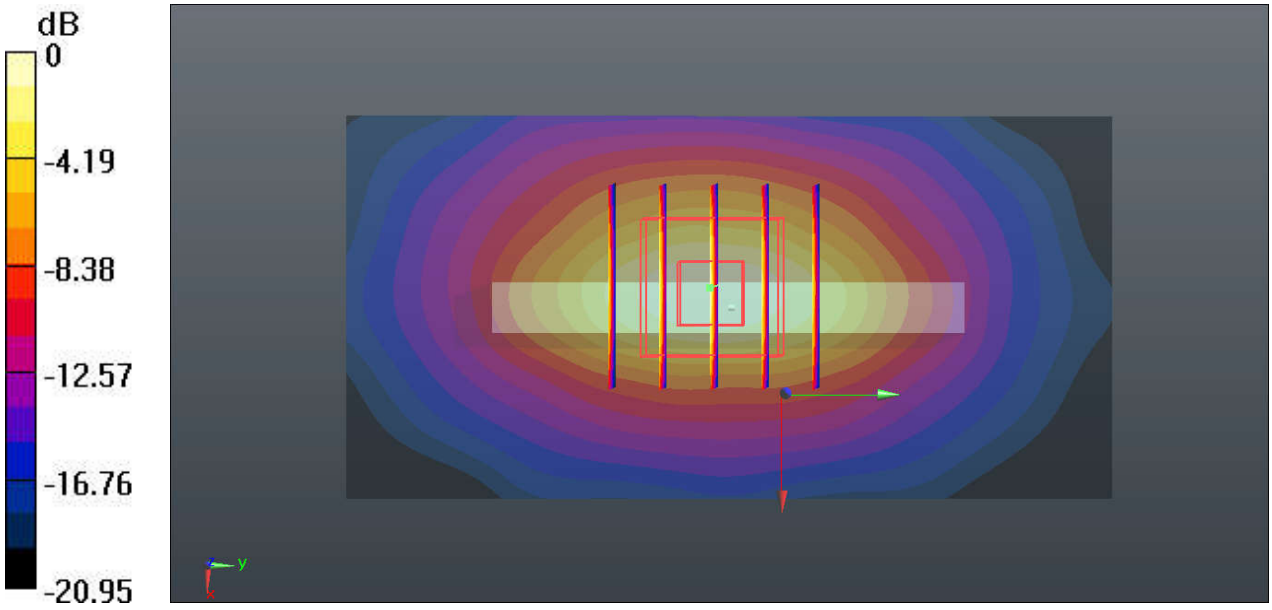
#23_LTE Band 2_20M_QPSK_50RB_0Offset_Bottom Side_10mm_Ch19100

Communication System: UID 0, LTE (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900_160511 Medium parameters used: f = 1900 MHz; σ = 1.576 S/m; ε_r = 54.215; ρ = 1000 kg/m^3
Ambient Temperature: 23.5 ℃ ; **Liquid Temperature**: 22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.75, 7.75, 7.75); Calibrated: 2015.10.1;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch19100/Area Scan (41x81x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.775 W/kg

Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.046 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.969 W/kg
SAR(1 g) = 0.529 W/kg; SAR(10 g) = 0.262 W/kg
Maximum value of SAR (measured) = 0.768 W/kg



0 dB = 0.775 W/kg

Test Laboratory:Sporton International Inc SAR Testing Lab Date: 2016.5.12

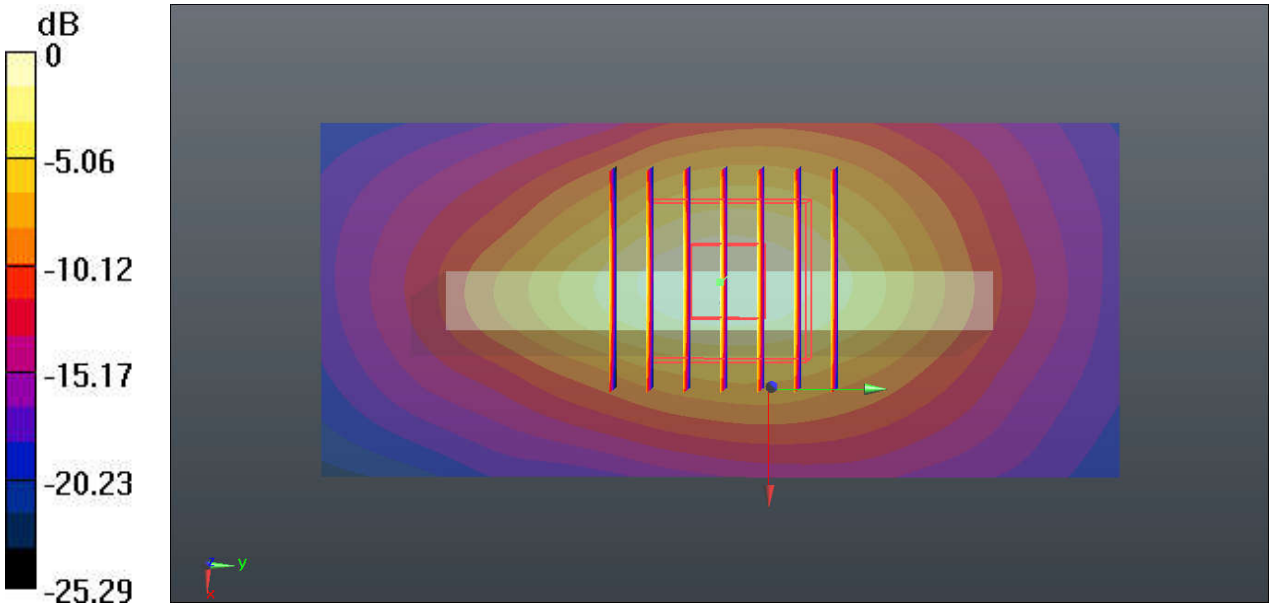
#24_LTE Band 7_20M_QPSK_50RB_0Offset_Bottom Side_10mm_Ch20850

Communication System: UID 0, LTE (0); Frequency: 2510 MHz;Duty Cycle: 1:1
Medium: MSL_2600_160512 Medium parameters used: f = 2510 MHz; σ = 2.085 S/m; ε_r = 52.993; ρ = 1000 kg/m^3
Ambient Temperature: 23.7 ℃ ; **Liquid Temperature**: 22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.14, 7.14, 7.14); Calibrated: 2015.10.1;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch20850/Area Scan (41x91x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.44 W/kg

Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.134 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.90 W/kg
SAR(1 g) = 0.929 W/kg; SAR(10 g) = 0.430 W/kg
Maximum value of SAR (measured) = 1.41 W/kg



0 dB = 1.44 W/kg

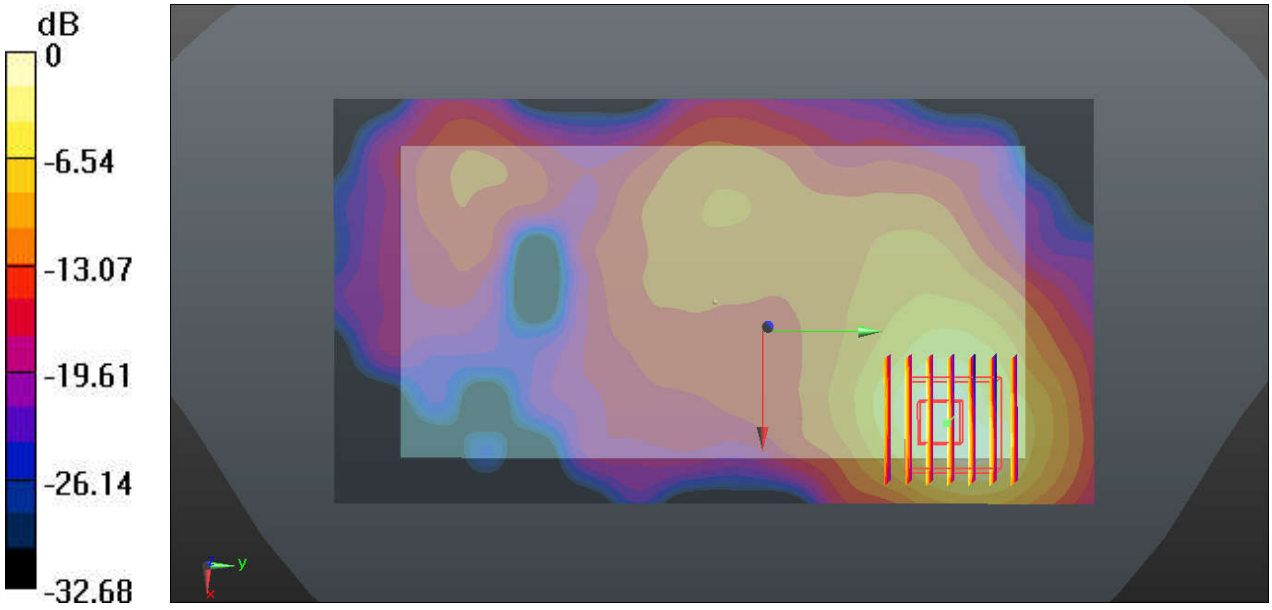
#25_WLAN2.4GHz_802.11b 1Mbps_Back_10mm_Ch11

Communication System: UID 0, WIFI (0); Frequency: 2462 MHz;Duty Cycle: 1:1.021
Medium: MSL_2450_160511 Medium parameters used: f = 2462 MHz; σ = 2.012 S/m; ε_r = 52.245; ρ = 1000 kg/m^3
Ambient Temperature: 23.5 ℃ ; **Liquid Temperature**: 22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.34, 7.34, 7.34); Calibrated: 2015.10.1;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (81x151x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.764 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.6060 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.479 W/kg; SAR(10 g) = 0.205 W/kg
Maximum value of SAR (measured) = 0.775 W/kg



0 dB = 0.764 W/kg

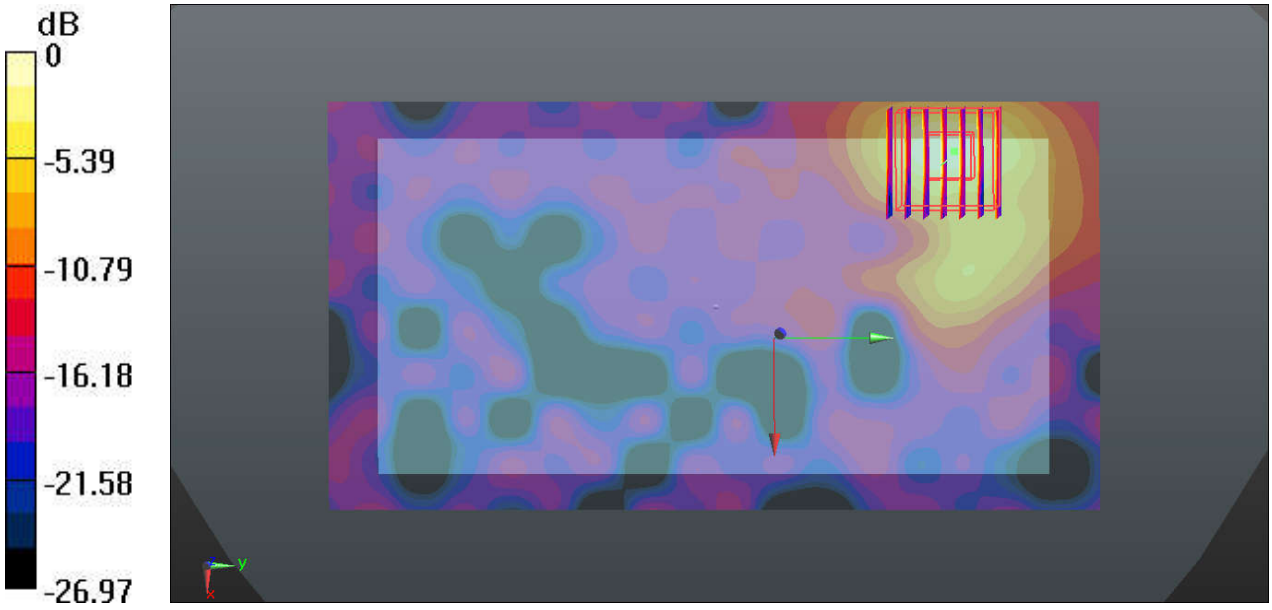
#26_WLAN5GHz_802.11a 6Mbps_Back_10mm_Ch48

Communication System: UID 0, WIFI (0); Frequency: 5240 MHz;Duty Cycle: 1:1.143
Medium: MSL_5250_160513 Medium parameters used: f = 5240 MHz; σ = 5.271 S/m; ε_r = 50.934; ρ = 1000 kg/m^3
Ambient Temperature: 23.2 ℃ ; **Liquid Temperature**: 22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.2, 4.2, 4.2); Calibrated: 2015.11.27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2015.11.24
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch48/Area Scan (91x171x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.507 W/kg

Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0.9880 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.984 W/kg
SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.070 W/kg
Maximum value of SAR (measured) = 0.566 W/kg



0 dB = 0.507 W/kg

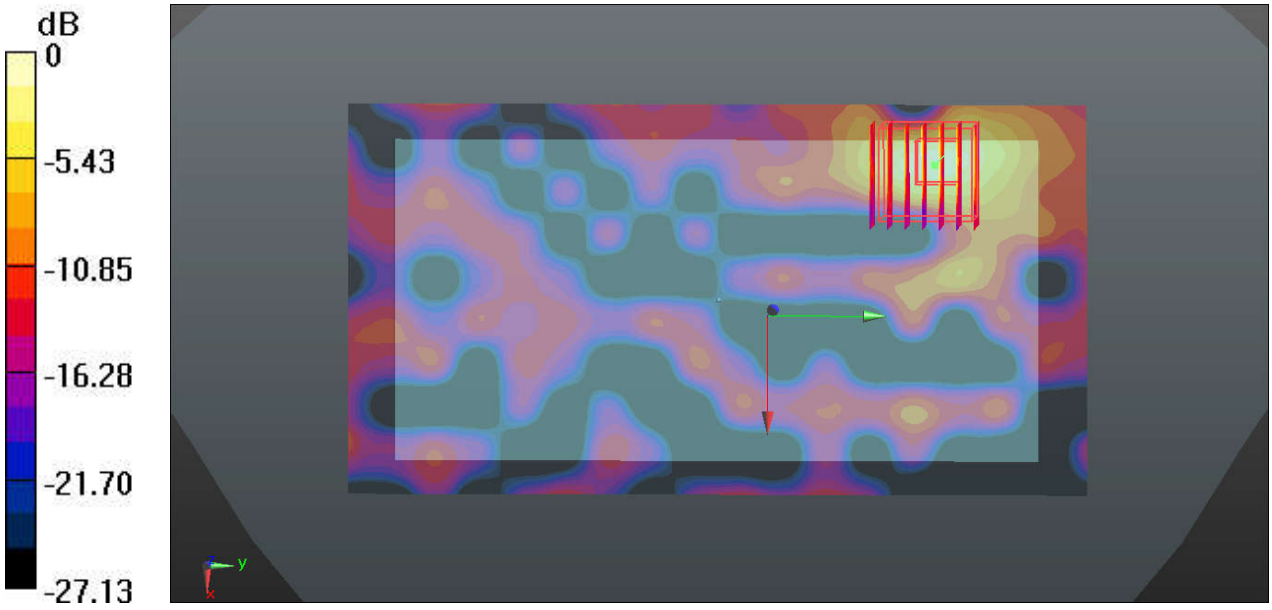
#27_WLAN5GHz_802.11a 6Mbps_Back_10mm_Ch149

Communication System: UID 0, WIFI (0); Frequency: 5745 MHz;Duty Cycle: 1:1.143
Medium: MSL_5750_160513 Medium parameters used: f = 5745 MHz; σ = 6.105 S/m; ε_r = 49.947; ρ = 1000 kg/m^3
Ambient Temperature: 23.2 ℃ ; **Liquid Temperature**: 22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(3.73, 3.73, 3.73); Calibrated: 2015.11.27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2015.11.24
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch149/Area Scan (91x171x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.288 W/kg

Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 1.035 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.416 W/kg
SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.028 W/kg
Maximum value of SAR (measured) = 0.255 W/kg



0 dB = 0.288 W/kg

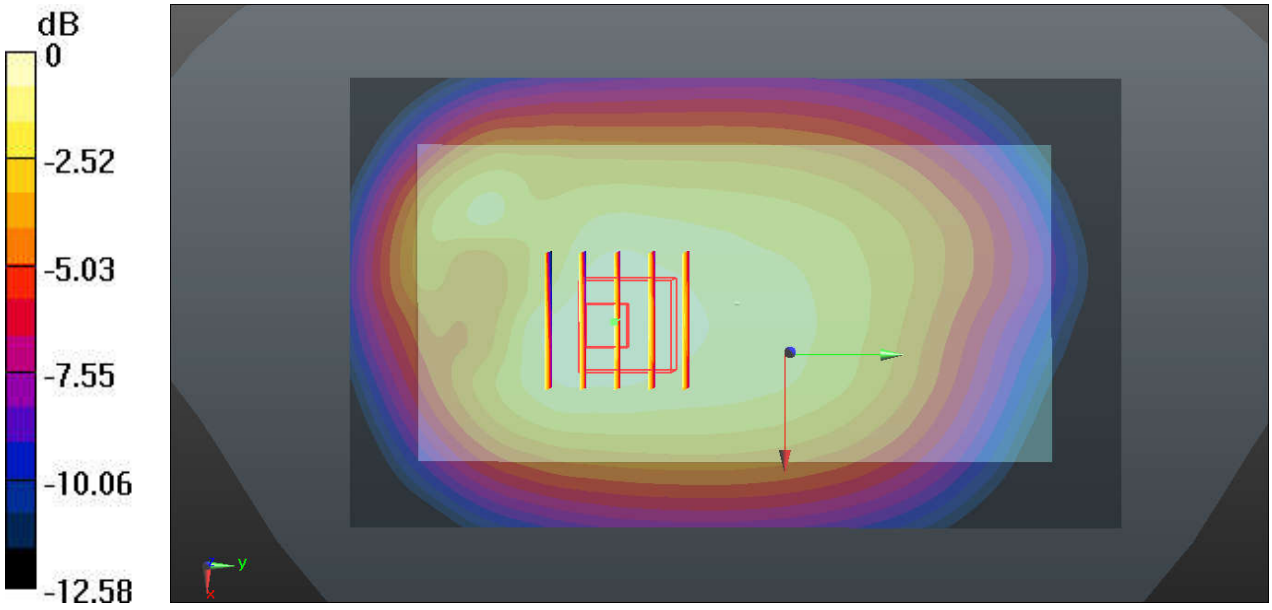
#28_GSM850_GPRS(3 Tx slots)_Back_15mm_Ch189

Communication System: UID 0, GPRS/EDGE11 (0); Frequency: 836.4 MHz;Duty Cycle: 1:2.08
Medium: MSL_835_160428 Medium parameters used: f = 836.4 MHz; σ = 0.979 S/m; ε_r = 54.429; ρ = 1000 kg/m^3
Ambient Temperature: 23.4 ℃ ; **Liquid Temperature**: 22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.3, 10.3, 10.3); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch189/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.617 W/kg

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.572 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.671 W/kg
SAR(1 g) = 0.530 W/kg; SAR(10 g) = 0.394 W/kg
Maximum value of SAR (measured) = 0.609 W/kg



0 dB = 0.617 W/kg

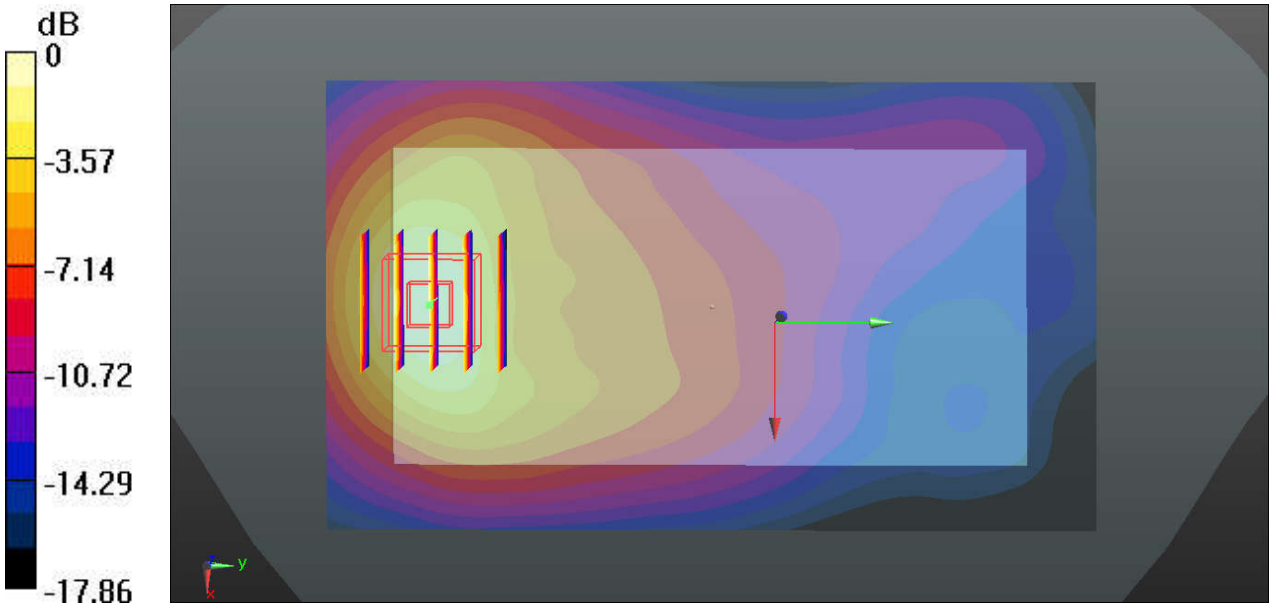
#29_GSM1900_GPRS(4 Tx slots)_Back_15mm_Ch810

Communication System: UID 0, GPRS/EDGE12 (0); Frequency: 1909.8 MHz;Duty Cycle: 1:2.08
Medium: MSL_1900_160429 Medium parameters used: f = 1909.8 MHz; σ = 1.559 S/m; ε_r = 54.548;ρ = 1000 kg/m^3
Ambient Temperature: 23.4 ℃ ; **Liquid Temperature**: 22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(7.99, 7.99, 7.99); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.749 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.121 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.988 W/kg
SAR(1 g) = 0.587 W/kg; SAR(10 g) = 0.328 W/kg
Maximum value of SAR (measured) = 0.805 W/kg



0 dB = 0.749 W/kg

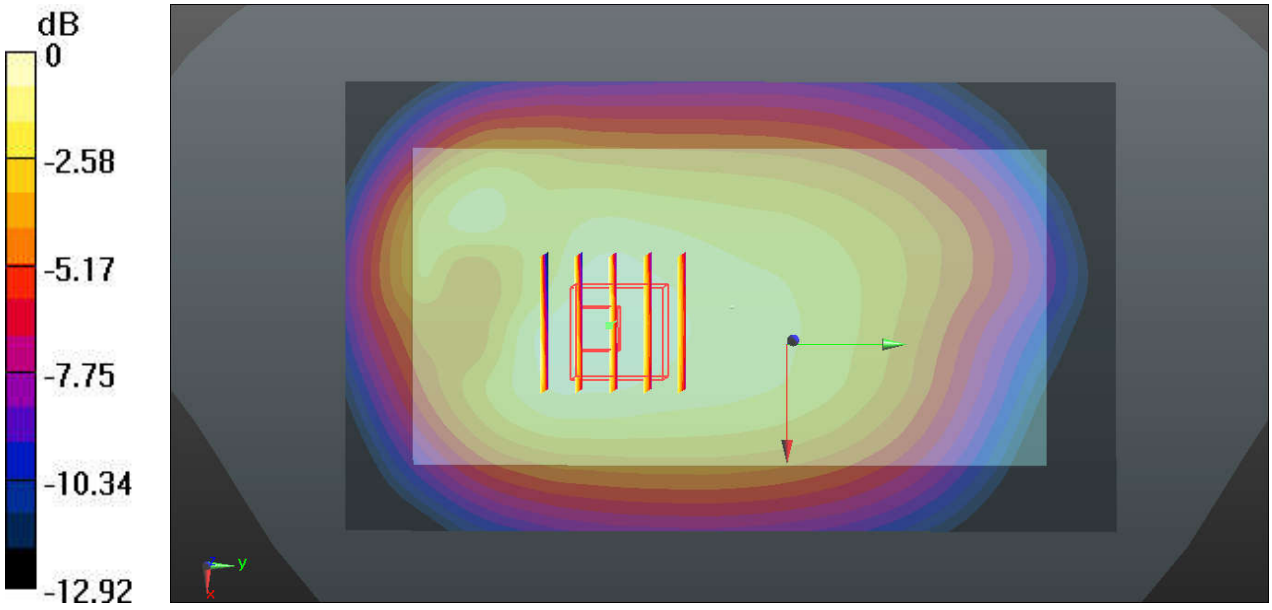
#30_WCDMA V_RMC 12.2Kbps_Back_15mm_Ch4233

Communication System: UID 0, UMTS (0); Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_160428 Medium parameters used: f = 846.6 MHz; σ = 0.992 S/m; ε_r = 54.346; ρ= 1000 kg/m^3
Ambient Temperature: 23.4 ℃ ; **Liquid Temperature**: 22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.3, 10.3, 10.3); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.460 W/kg

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.083 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.512 W/kg
SAR(1 g) = 0.399 W/kg; SAR(10 g) = 0.293 W/kg
Maximum value of SAR (measured) = 0.457 W/kg



0 dB = 0.460 W/kg

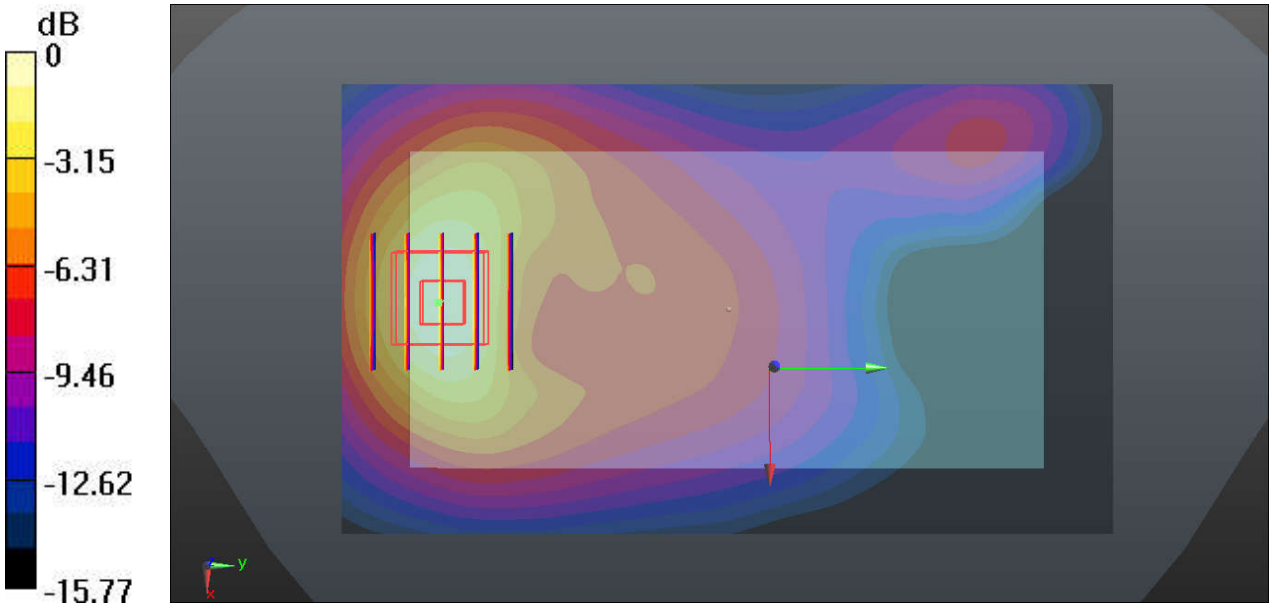
#31_WCDMA IV_RMC 12.2Kbps_Back_15mm_Ch1513

Communication System: UID 0, UMTS (0); Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: MSL_1800_160426 Medium parameters used: f = 1752.6 MHz; σ = 1.513 S/m; ε_r = 55.723;ρ = 1000 kg/m^3
Ambient Temperature: 23.4 ℃ ; **Liquid Temperature**: 22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.24, 8.24, 8.24); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch1513/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.753 W/kg

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.610 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.950 W/kg
SAR(1 g) = 0.595 W/kg; SAR(10 g) = 0.343 W/kg
Maximum value of SAR (measured) = 0.793 W/kg



0 dB = 0.753 W/kg

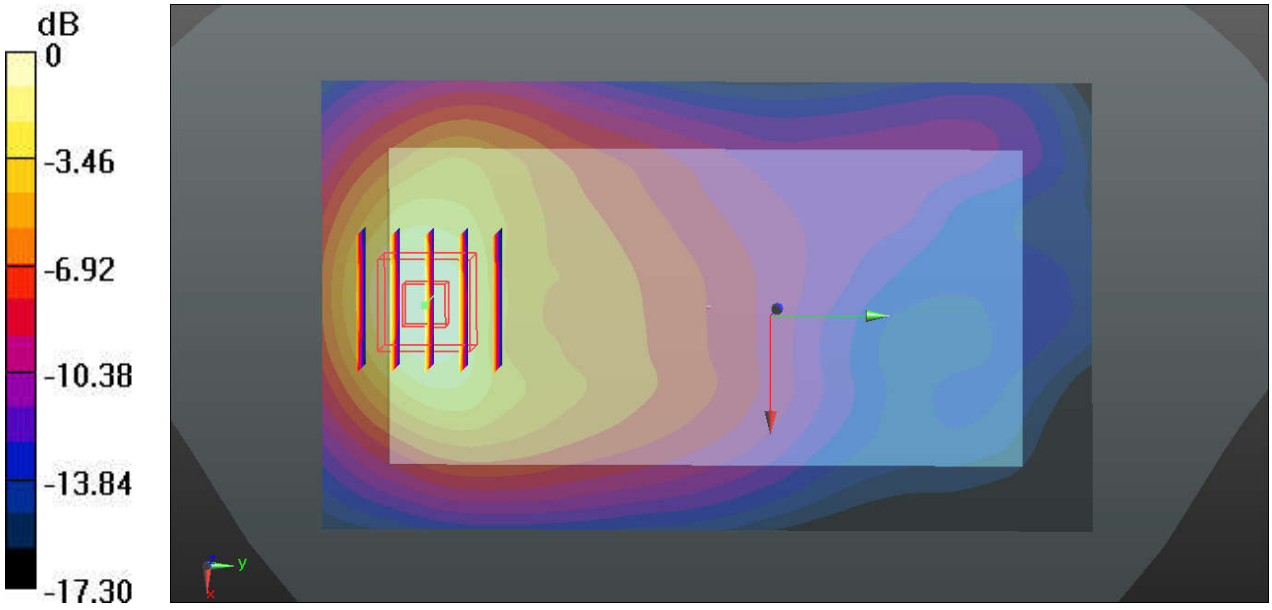
#32_WCDMA II_RMC 12.2Kbps_Back_15mm_Ch9400

Communication System: UID 0, UMTS (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_160429 Medium parameters used: f = 1880 MHz; σ = 1.526 S/m; ε_r = 54.665; ρ = 1000 kg/m^3
Ambient Temperature: 23.4 ℃ ; **Liquid Temperature**: 22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(7.99, 7.99, 7.99); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.841 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.590 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.09 W/kg
SAR(1 g) = 0.659 W/kg; SAR(10 g) = 0.370 W/kg
Maximum value of SAR (measured) = 0.897 W/kg



0 dB = 0.841 W/kg

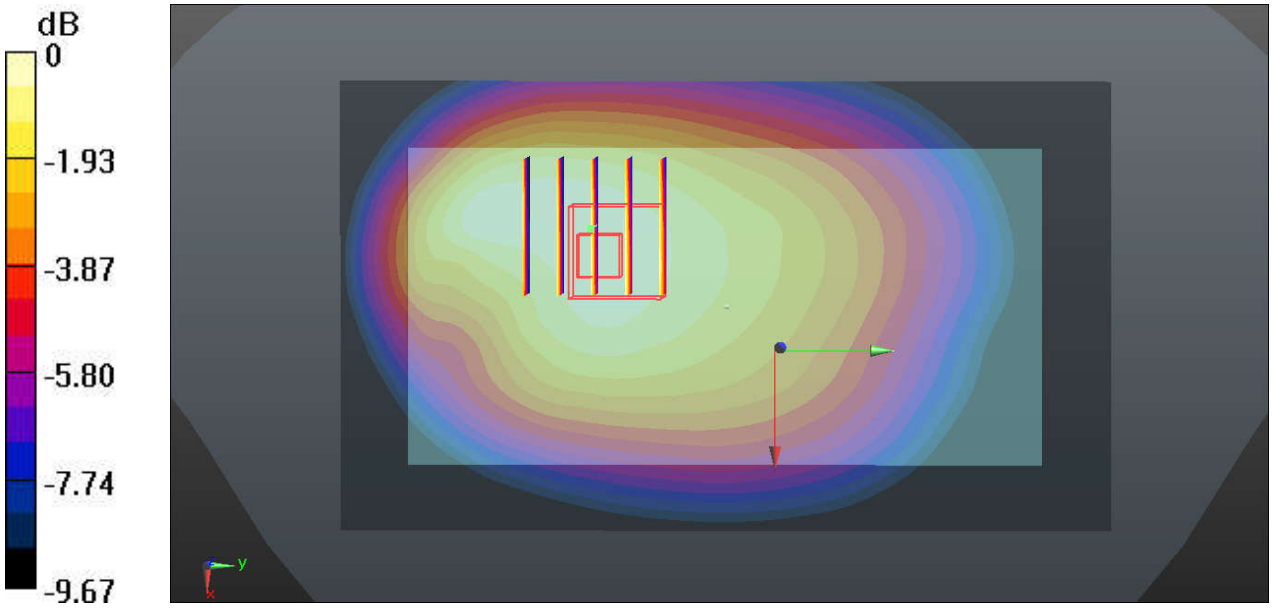
#33_LTE Band 12_10M_QPSK_1RB_25Offset_Back_15mm_Ch23095

Communication System: UID 0, LTE (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_160428 Medium parameters used: f = 707.5 MHz; σ = 0.943 S/m; ε_r = 55.833; ρ = 1000 kg/m^3
Ambient Temperature: 23.4 ℃ ; **Liquid Temperature**: 22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.59, 10.59, 10.59); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.253 W/kg

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.290 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.284 W/kg
SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.164 W/kg
Maximum value of SAR (measured) = 0.253 W/kg



0 dB = 0.253 W/kg

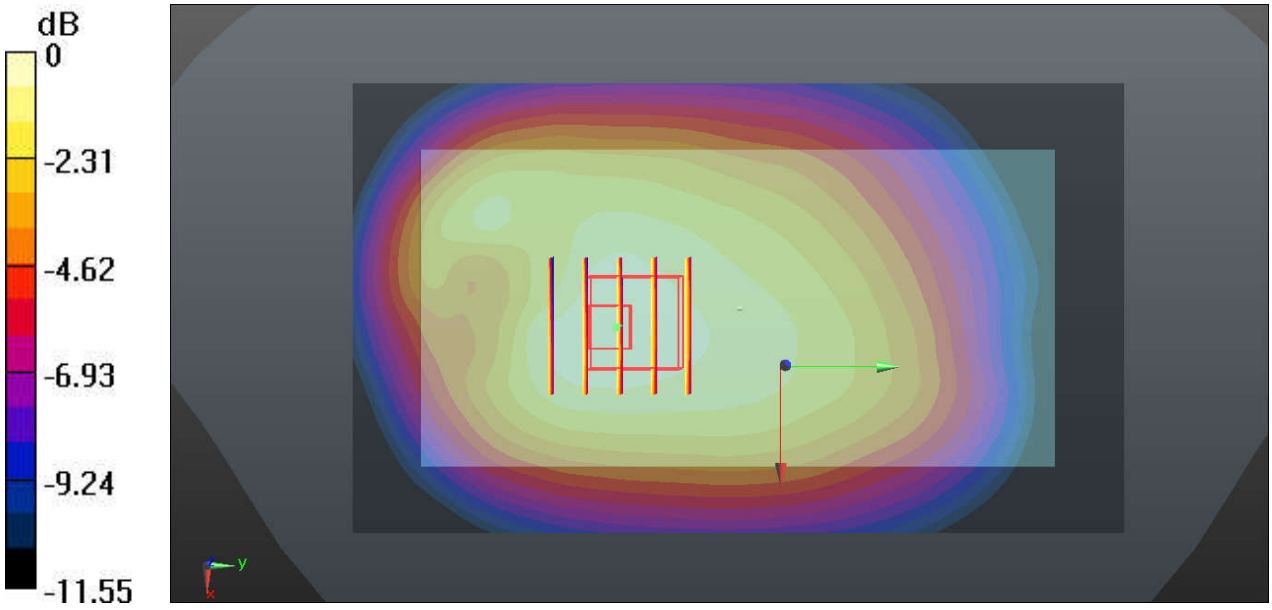
#34_LTE Band 5_10M_QPSK_1RB_25Offset_Back_15mm_Ch20525

Communication System: UID 0, LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: MSL_835_160428 Medium parameters used: f = 836.5 MHz; σ = 0.979 S/m; ε_r = 54.428; ρ = 1000 kg/m^3
Ambient Temperature: 23.4 ℃ ; **Liquid Temperature**: 22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.3, 10.3, 10.3); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.445 W/kg

Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.375 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.487 W/kg
SAR(1 g) = 0.383 W/kg; SAR(10 g) = 0.288 W/kg
Maximum value of SAR (measured) = 0.440 W/kg



0 dB = 0.445 W/kg

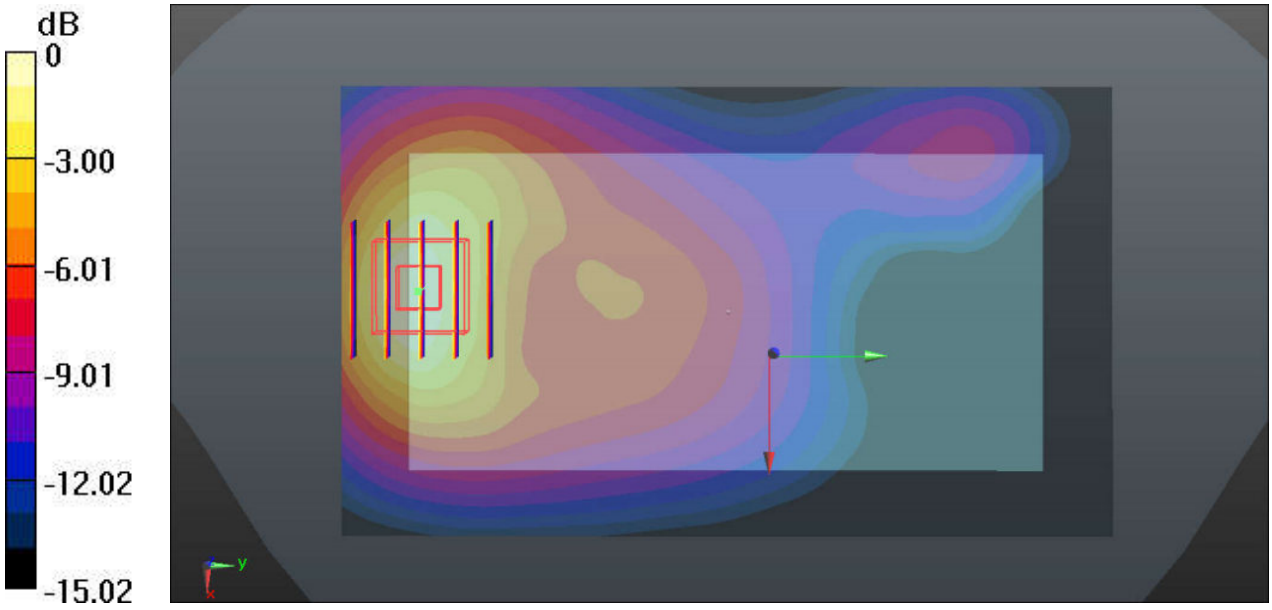
#35_LTE Band 4_20M_QPSK_1RB_49Offset_Back_15mm_Ch20175

Communication System: UID 0, LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_160426 Medium parameters used: f = 1732.5 MHz; σ = 1.491 S/m; ε_r = 55.756; ρ = 1000 kg/m^3
Ambient Temperature: 23.4 ℃ ; **Liquid Temperature**: 22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.24, 8.24, 8.24); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.743 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.173 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.933 W/kg
SAR(1 g) = 0.587 W/kg; SAR(10 g) = 0.342 W/kg
Maximum value of SAR (measured) = 0.781 W/kg



0 dB = 0.743 W/kg

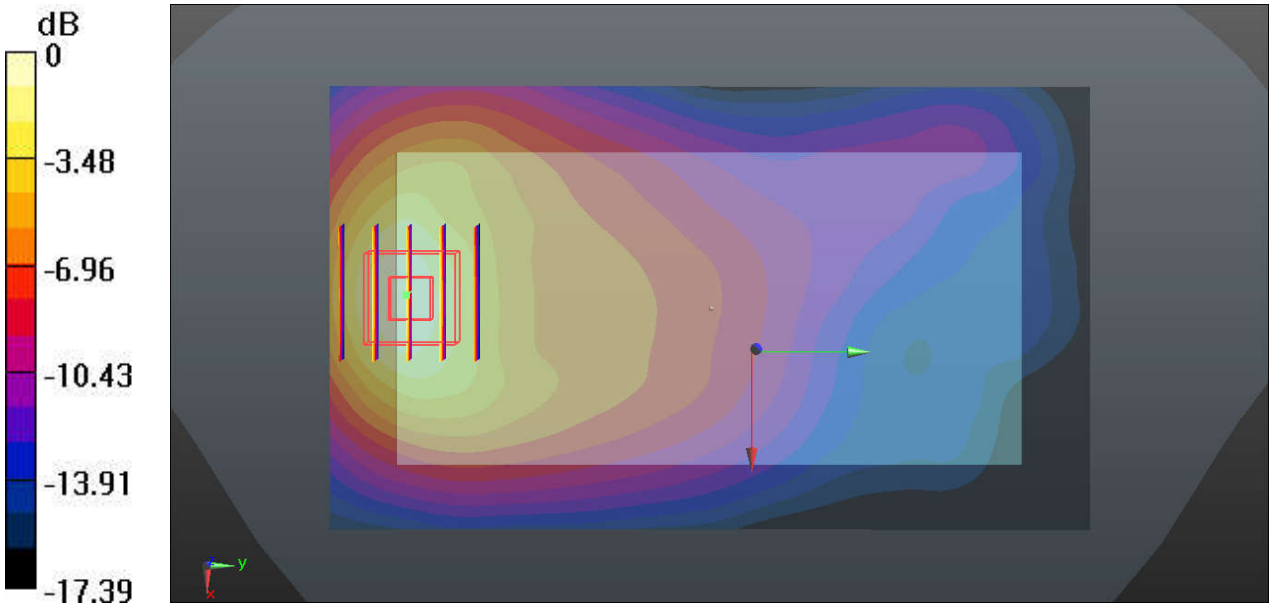
#36_LTE Band 2_20M_QPSK_1RB_49Offset_Back_15mm_Ch18900

Communication System: UID 0, LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_160528 Medium parameters used: f = 1880 MHz; σ = 1.554 S/m; ε_r = 54.286; ρ = 1000 kg/m^3
Ambient Temperature: 23.5 ℃ ; **Liquid Temperature**: 22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.75, 7.75, 7.75); Calibrated: 2015.10.1;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 2016.1.7
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.792 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.800 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.992 W/kg
SAR(1 g) = 0.621 W/kg; SAR(10 g) = 0.339 W/kg
Maximum value of SAR (measured) = 0.815 W/kg



0 dB = 0.792 W/kg

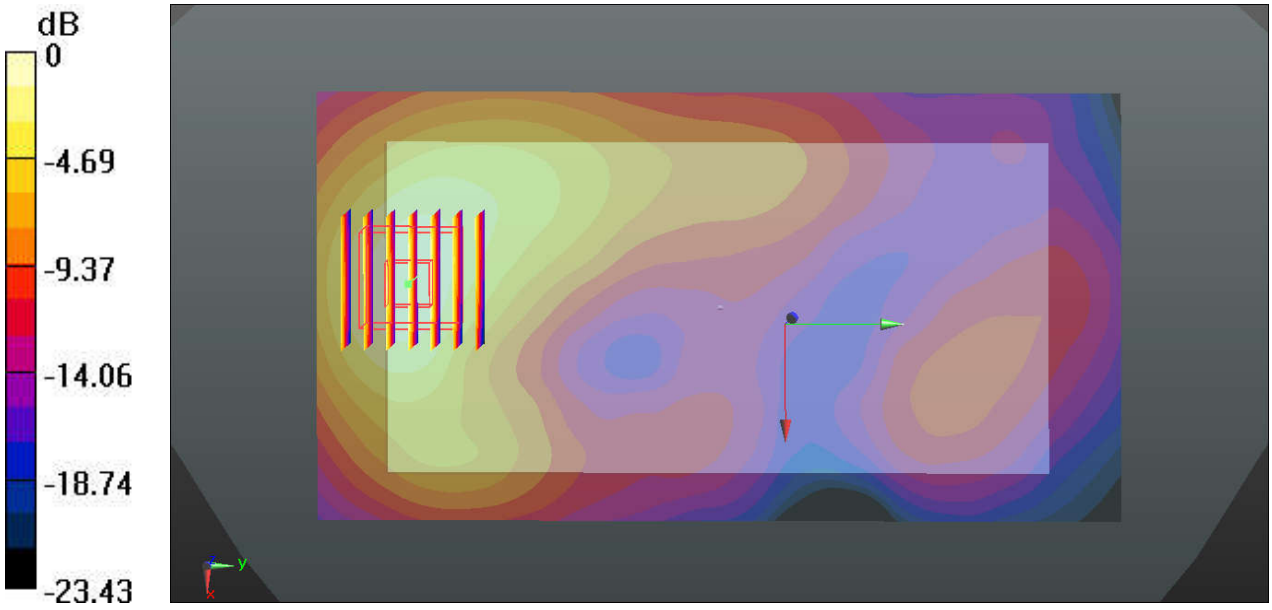
#37_LTE Band 7_20M_QPSK_1RB_49Offset_Front_15mm_Ch20850

Communication System: UID 0, LTE (0); Frequency: 2510 MHz;Duty Cycle: 1:1
Medium: MSL_2600_160429 Medium parameters used: f = 2510 MHz; σ = 2.071 S/m; ε_r = 53.993; ρ = 1000 kg/m^3
Ambient Temperature: 23.2 ℃ ; **Liquid Temperature**: 22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(7.37, 7.37, 7.37); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch20850/Area Scan (81x151x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.691 W/kg

Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.241 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.930 W/kg
SAR(1 g) = 0.487 W/kg; SAR(10 g) = 0.256 W/kg
Maximum value of SAR (measured) = 0.702 W/kg



0 dB = 0.691 W/kg

Test Laboratory:Sporton International Inc SAR Testing Lab Date: 2016.5.11

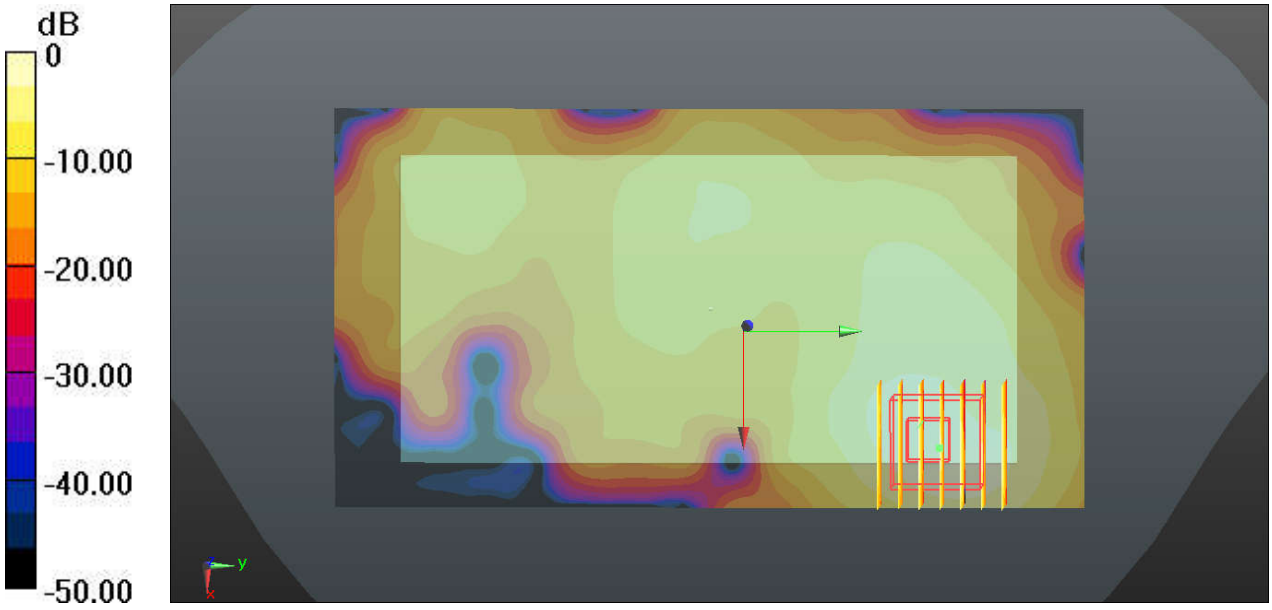
#38_WLAN2.4GHz_802.11b 1Mbps_Back_15mm_Ch11

Communication System: UID 0, WIFI (0); Frequency: 2462 MHz;Duty Cycle: 1:1.021
Medium: MSL_2450_160511 Medium parameters used: f = 2462 MHz; σ = 2.012 S/m; ε_r = 52.245; ρ = 1000 kg/m^3
Ambient Temperature: 23.5 ℃ ; **Liquid Temperature**: 22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.34, 7.34, 7.34); Calibrated: 2015.10.1;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2015.11.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (81x151x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.208 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.6140 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.304 W/kg
SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.067 W/kg
Maximum value of SAR (measured) = 0.219 W/kg



0 dB = 0.208 W/kg

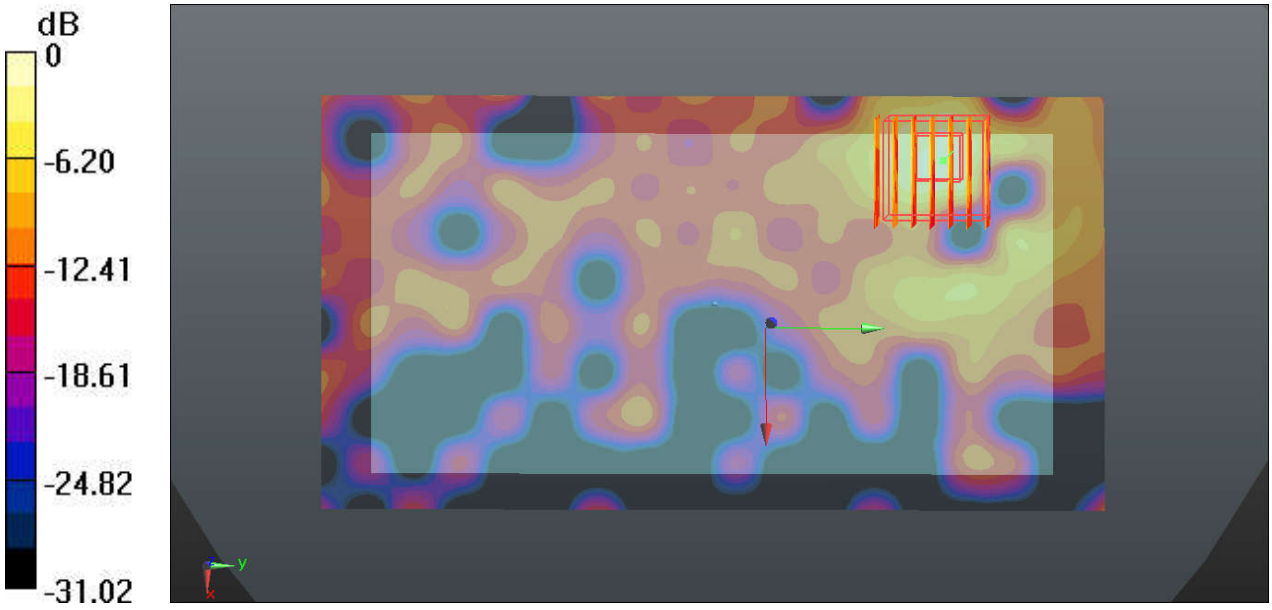
#39_WLAN5GHz_802.11a 6Mbps_Back_15mm_Ch52

Communication System: UID 0, WIFI (0); Frequency: 5260 MHz;Duty Cycle: 1:1.143
Medium: MSL_5250_160513 Medium parameters used: f = 5260 MHz; σ = 5.309 S/m; ε_r = 50.918; ρ = 1000 kg/m^3
Ambient Temperature: 23.2 ℃ ; **Liquid Temperature**: 22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.2, 4.2, 4.2); Calibrated: 2015.11.27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2015.11.24
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch52/Area Scan (91x171x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.172 W/kg

Ch52/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 1.463 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.180 W/kg
SAR(1 g) = 0.055 W/kg; SAR(10 g) = 0.023 W/kg
Maximum value of SAR (measured) = 0.111 W/kg



0 dB = 0.172 W/kg

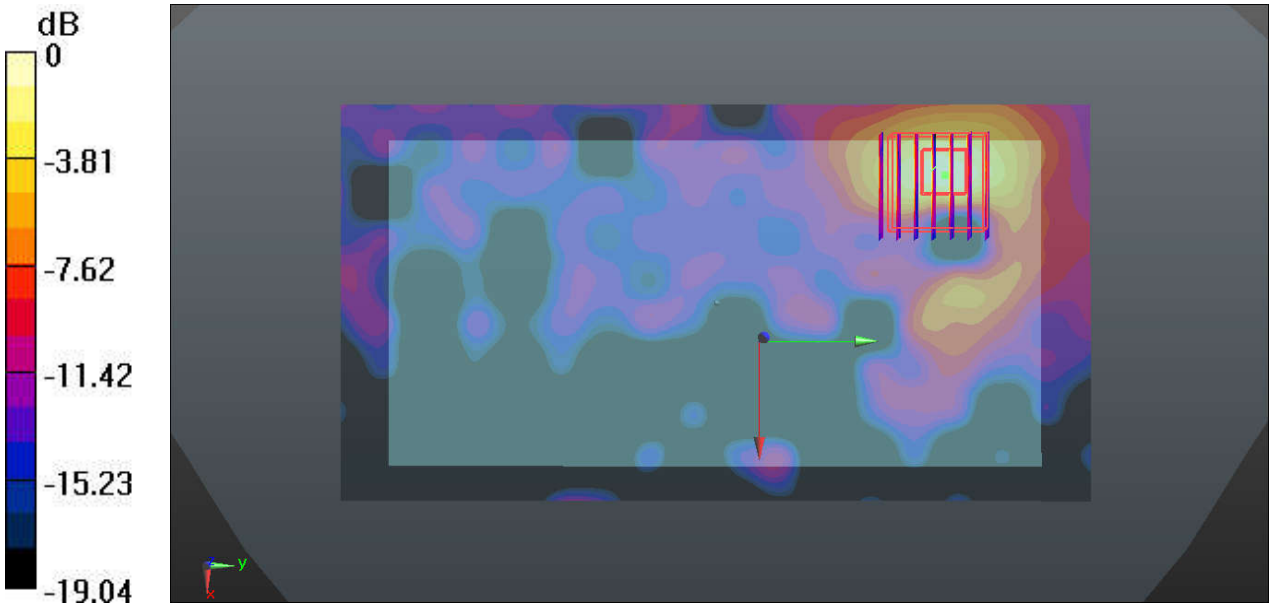
#40_WLAN5GHz_802.11a 6Mbps_Back_15mm_Ch100

Communication System: UID 0, WIFI (0); Frequency: 5500 MHz;Duty Cycle: 1:1.143
Medium: MSL_5600_160513 Medium parameters used: f = 5500 MHz; σ = 5.718 S/m; ε_r = 50.529; ρ = 1000 kg/m^3
Ambient Temperature: 23.2 ℃ ; **Liquid Temperature**: 22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(3.67, 3.67, 3.67); Calibrated: 2015.11.27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2015.11.24
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch100/Area Scan (91x171x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.205 W/kg

Ch100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 1.364 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.259 W/kg
SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.030 W/kg
Maximum value of SAR (measured) = 0.165 W/kg



0 dB = 0.205 W/kg

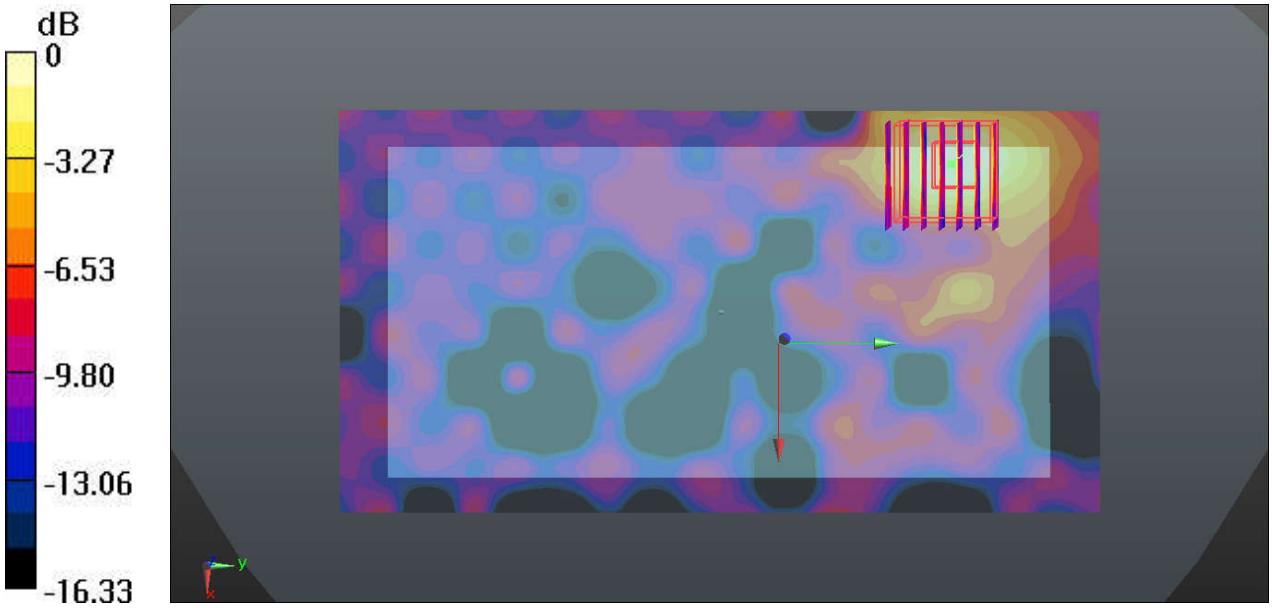
#41_WLAN5GHz_802.11a 6Mbps_Back_15mm_Ch149

Communication System: UID 0, WIFI (0); Frequency: 5745 MHz;Duty Cycle: 1:1.143
Medium: MSL_5750_160513 Medium parameters used: f = 5745 MHz; σ = 6.105 S/m; ε_r = 49.947; ρ = 1000 kg/m^3
Ambient Temperature: 23.2 ℃ ; **Liquid Temperature**: 22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(3.73, 3.73, 3.73); Calibrated: 2015.11.27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2015.11.24
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Ch149/Area Scan (91x171x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.119 W/kg

Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 1.128 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.205 W/kg
SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.024 W/kg
Maximum value of SAR (measured) = 0.122 W/kg



0 dB = 0.119 W/kg

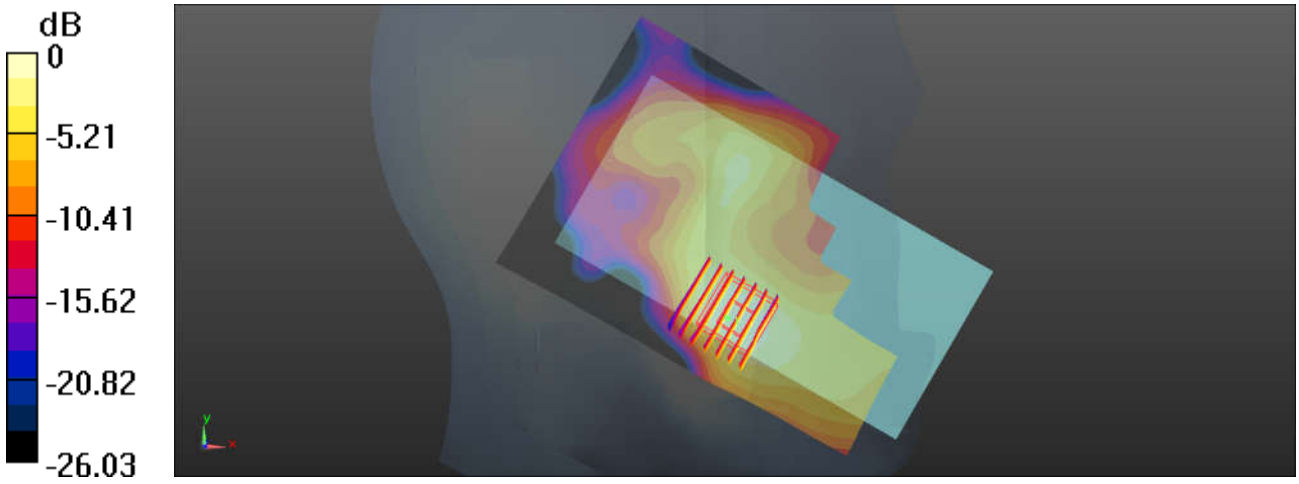
#01-1_LTE Band 7_20M_QPSK_1RB_49Offset_Left Cheek_0mm_Ch21100

Communication System: UID 0, FDD_LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium: HSL_2600_160725 Medium parameters used: f = 2535 MHz; σ = 1.902 S/m; = 38.001; ρ ε_r 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.08, 7.08, 7.08); Calibrated: 2016.5.25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2016.5.18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (71x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.238 W/kg

Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.080 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.306 W/kg
SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.086 W/kg
Maximum value of SAR (measured) = 0.254 W/kg



0 dB = 0.254 W/kg = -5.95 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2016.7.27

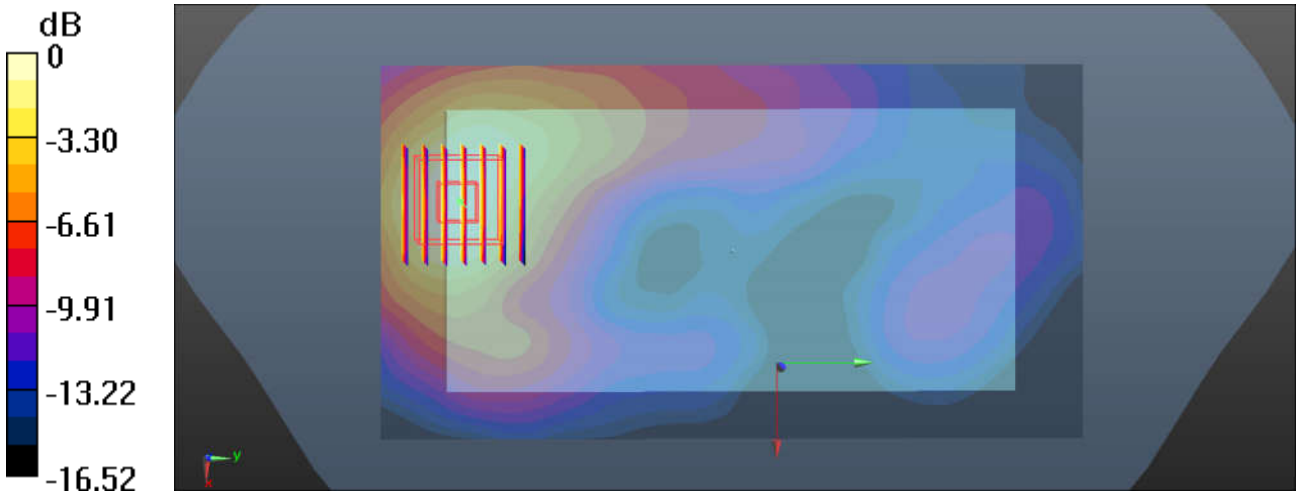
#02-1_LTE Band 7_20M_QPSK_1RB_49Offset_Front_15mm_Ch21100

Communication System: UID 0, FDD_LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium: MSL_2600_160727 Medium parameters used: f = 2535 MHz; σ = 2.071 S/m; ε_r = 53.126; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3954; ConvF(7.08, 7.08, 7.08); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2016.4.4
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.444 W/kg

Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.902 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.486 W/kg
SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.188 W/kg
Maximum value of SAR (measured) = 0.434 W/kg



0 dB = 0.434 W/kg = -3.63 dBW/kg

Appendix C. DASY Calibration Certificate

The DASY calibration certificates are shown as follows.

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
S Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)
The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client Sporton-SZ (Auden)

Certificate No: D750V3-1099_Nov15

CALIBRATION CERTIFICATE

Object	D750V3 - SN: 1099
Calibration procedure(s)	QA CAL-05.v9 Calibration procedure for dipole validation kits above 700 MHz
Calibration date:	November 24, 2015

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Power meter EPM-442A	GB37480704	07-Oct-15 (No. 217-02222)	Oct-16
Power sensor HP 8481A	US37292783	07-Oct-15 (No. 217-02222)	Oct-16
Power sensor HP 8481A	MY41092317	07-Oct-15 (No. 217-02223)	Oct-16
Reference 20 dB Attenuator	SN: 5058 (20k)	01-Apr-15 (No. 217-02131)	Mar-16
Type-N mismatch combination	SN: 5047.2 / 06327	01-Apr-15 (No. 217-02134)	Mar-16
Reference Probe EX3DV4	SN: 7349	30-Dec-14 (No. EX3-7349_Dec14)	Dec-15
DAE4	SN: 601	17-Aug-15 (No. DAE4-601_Aug15)	Aug-16

Secondary Standards	ID #	Check Date (in house)	Scheduled Check
RF generator R&S SMT-06	100972	15-Jun-15 (in house check Jun-15)	In house check: Jun-18
Network Analyzer HP 8753E	US37390585 S4206	18-Oct-01 (in house check Oct-15)	In house check: Oct-16

	Name	Function	Signature
Calibrated by:	Claudio Leubler	Laboratory Technician	
Approved by:	Katja Pokovic	Technical Manager	

Issued: November 24, 2015

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
S Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)
The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM x,y,z
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
b) IEC 62209-1, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005
c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

e) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured:* SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.