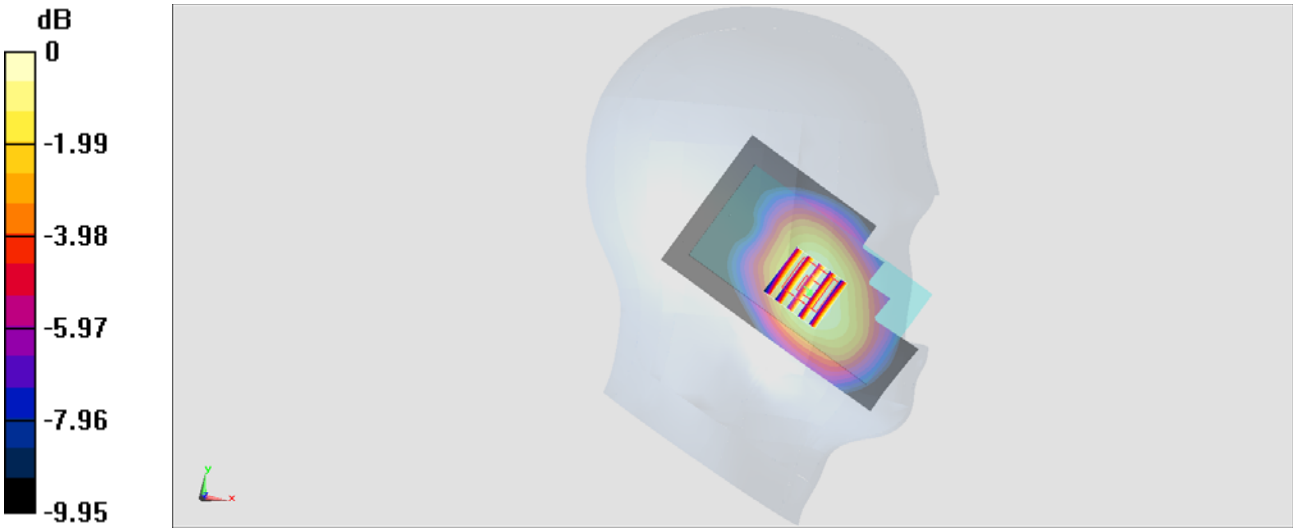
# #01_GSM850_GPRS (3 Tx slots)_Left Cheek_Ch251

Communication System: GSM850 ; Frequency: 848.8 MHz;Duty Cycle: 1:2.77
Medium: HSL_850_150806 Medium parameters used: f = 849 MHz; $\sigma$ = 0.913 S/m; $\varepsilon_r$ = 43.029; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃； Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3925; ConvF(9.8, 9.8, 9.8); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: SAM_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch251/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.751 W/kg

**Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.54 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.780 W/kg
**SAR(1 g) = 0.607 W/kg; SAR(10 g) = 0.450 W/kg**
Maximum value of SAR (measured) = 0.726 W/kg




0 dB = 0.726 W/kg = -1.39 dBW/kg

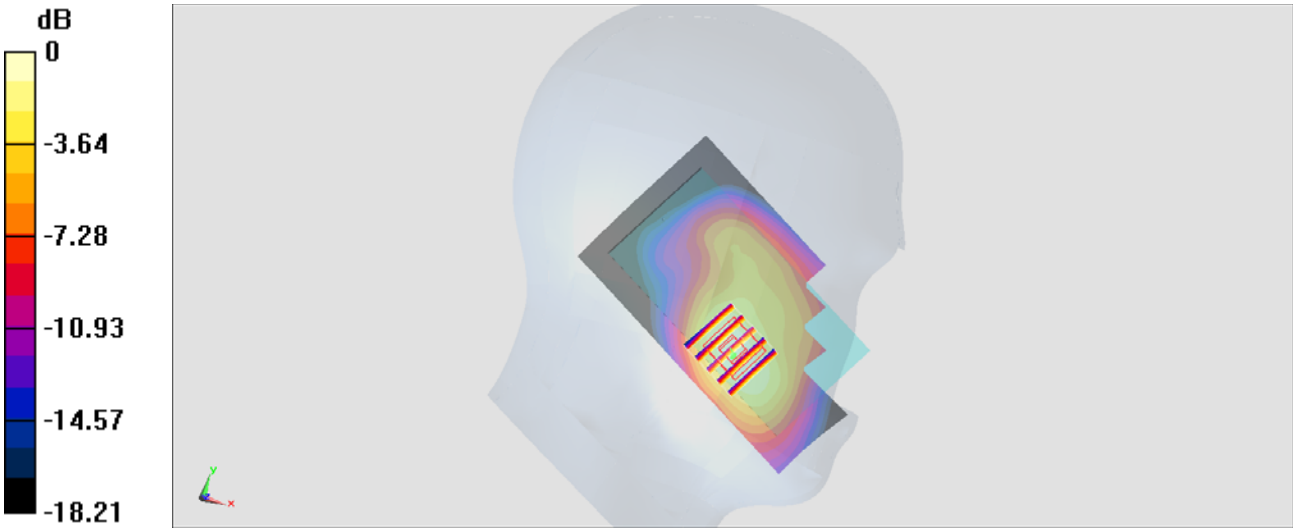
# #02_GSM1900_GPRS (4 Tx slots)_Left Cheek_Ch810

Communication System: PCS; Frequency: 1909.8 MHz;Duty Cycle: 1:2.08
Medium: HSL_1900_150806 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.404 S/m; $\varepsilon_r$ = 40.852; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃； Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3925; ConvF(8.18, 8.18, 8.18); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1796
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch810/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.19 W/kg

**Configuration/Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.28 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.51 W/kg
**SAR(1 g) = 0.905 W/kg; SAR(10 g) = 0.540 W/kg**
Maximum value of SAR (measured) = 1.30 W/kg




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

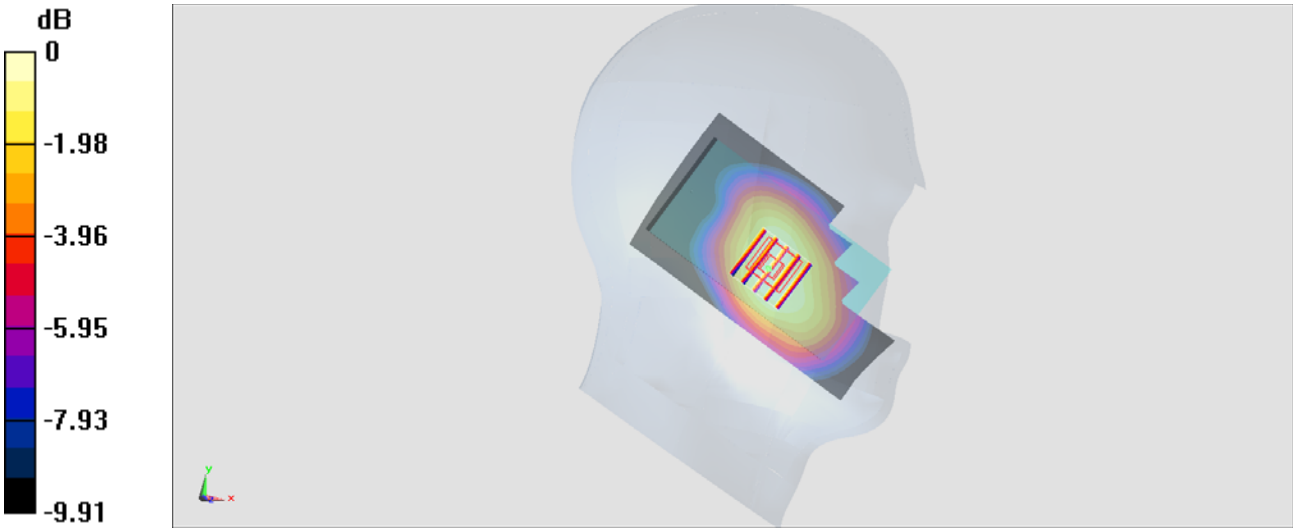
# #03_WCDMA V_RMC 12.2Kbps_Left Cheek_Ch4233

Communication System: WCDMA ; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL_850_150806 Medium parameters used: f = 847 MHz; $\sigma$ = 0.912 S/m; $\varepsilon_r$ = 43.053; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3925; ConvF(9.8, 9.8, 9.8); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: SAM_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch4233/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.523 W/kg

**Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.70 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.555 W/kg
**SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.323 W/kg**
Maximum value of SAR (measured) = 0.510 W/kg




0 dB = 0.510 W/kg = -2.92 dBW/kg

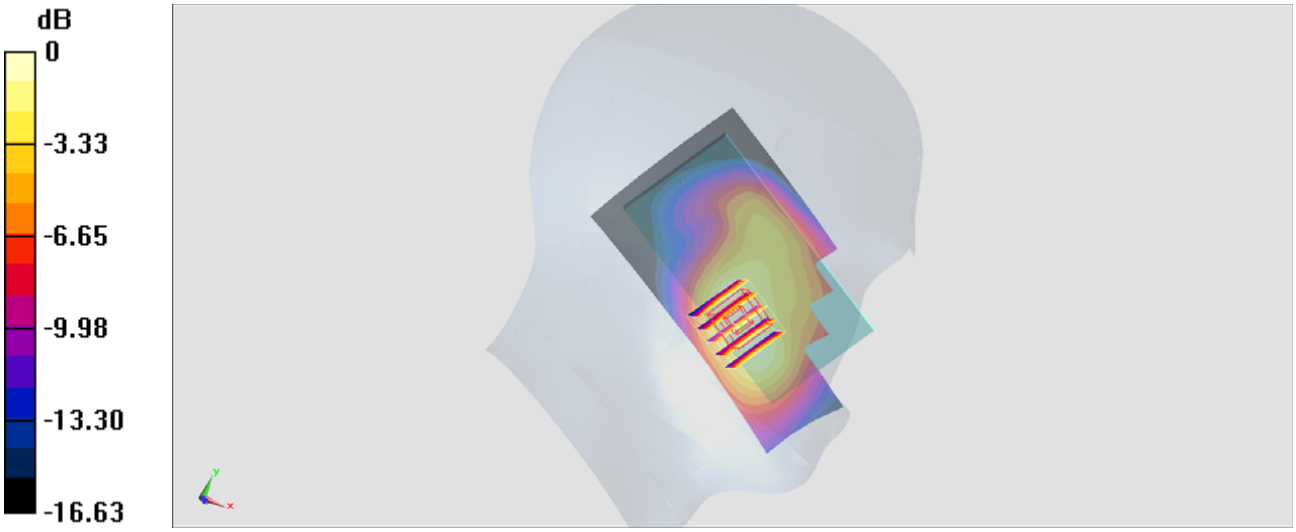
# #04_WCDMA II_RMC 12.2Kbps_Left Cheek_Ch9400

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900_150806 Medium parameters used: f = 1880 MHz; $\sigma$ = 1.37 S/m; $\varepsilon_r$ = 40.989; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃； Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3954; ConvF(8.1, 8.1, 8.1); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1796
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch9400/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.839 W/kg

**Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.03 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.983 W/kg
**SAR(1 g) = 0.641 W/kg; SAR(10 g) = 0.396 W/kg**
Maximum value of SAR (measured) = 0.859 W/kg




0 dB = 0.859 W/kg = -0.66 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/6

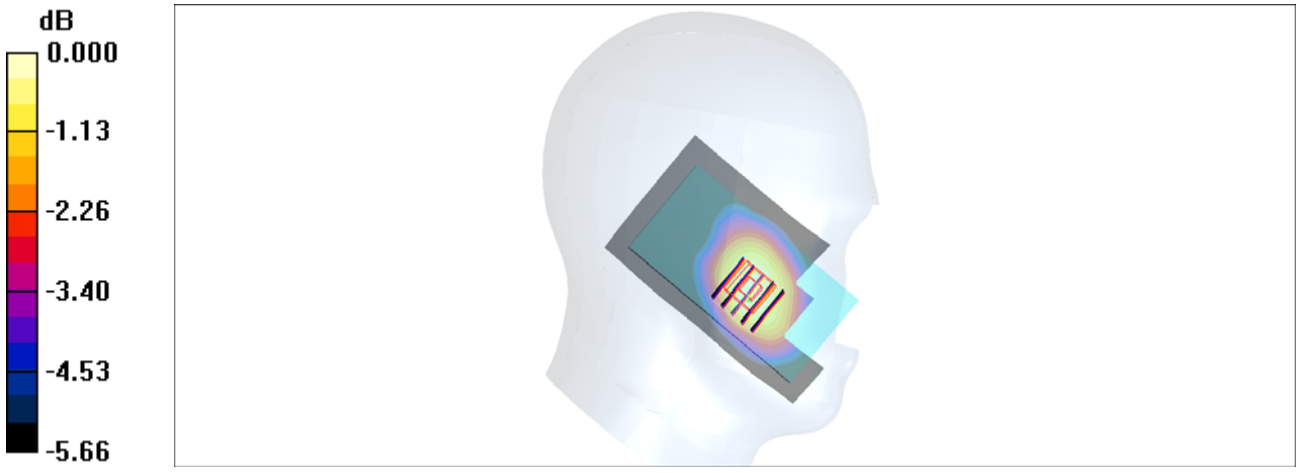
## #05_LTE Band 12_10M_QPSK_1RB_0offset_Left Cheek_Ch23060

Communication System: LTE; Frequency: 704 MHz;Duty Cycle: 1:1
Medium: HSL_750_150806 Medium parameters used: f = 704 MHz; $\sigma$ = 0.852 mho/m; $\varepsilon_r$ = 42.5; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(9.35, 9.35, 9.35); Calibrated: 2014/9/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

**Ch23060/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.277 mW/g

**Ch23060/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.9 V/m; Power Drift = 0.035 dB
Peak SAR (extrapolated) = 0.290 W/kg
**SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.188 mW/g**
Maximum value of SAR (measured) = 0.275 mW/g




0 dB = 0.275mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/6

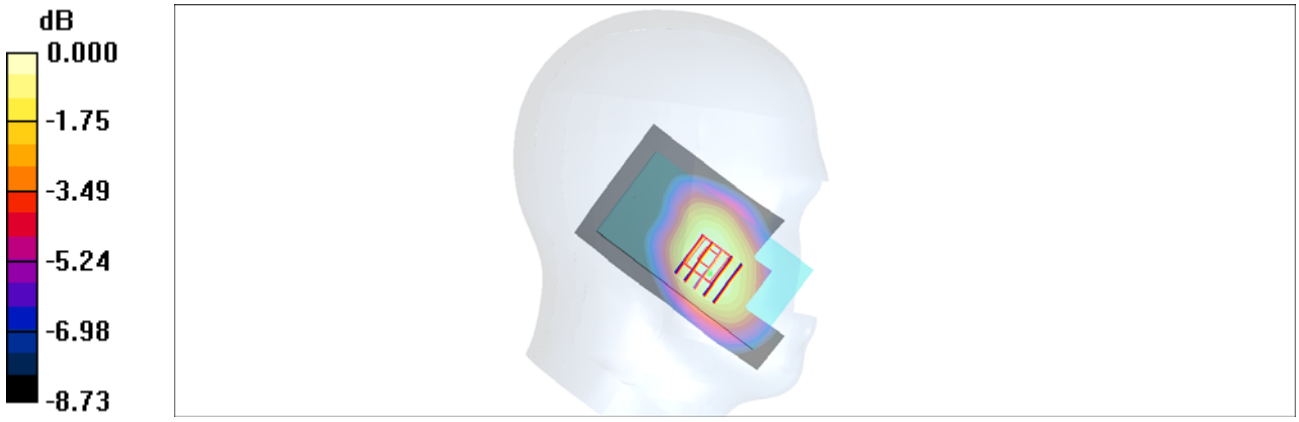
## #06_LTE Band 5_10M_QPSK_1RB_0offset_Left Cheek_Ch20450

Communication System: LTE; Frequency: 829 MHz;Duty Cycle: 1:1
Medium: HSL_850_150806 Medium parameters used: f = 829 MHz; $\sigma$ = 0.874 mho/m; $\varepsilon_r$ = 43; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃； Liquid Temperature：22.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.93, 8.93, 8.93); Calibrated: 2014/9/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

**Ch20450/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.362 mW/g

**Ch20450/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.6 V/m; Power Drift = 0.092 dB
Peak SAR (extrapolated) = 0.386 W/kg
**SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.240 mW/g**
Maximum value of SAR (measured) = 0.362 mW/g




0 dB = 0.362mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/8

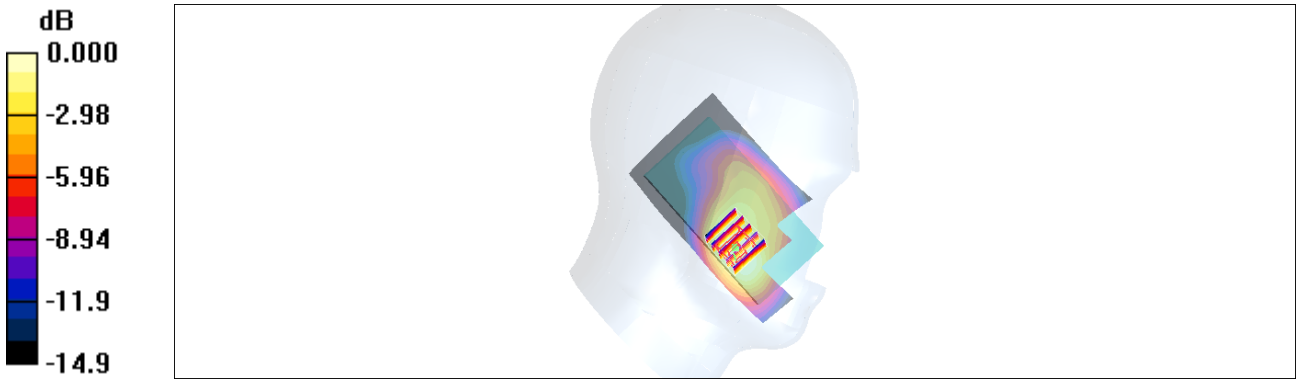
## #07_LTE Band 4_20M_QPSK_50RB_0offset_Left Cheek_Ch20300

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: HSL_1750_150808 Medium parameters used: f = 1745 MHz; $\sigma$ = 1.37 mho/m; $\varepsilon_r$ = 40.3; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.7 ℃； Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.98, 7.98, 7.98); Calibrated: 2014/9/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

**Ch20300/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.08 mW/g

**Ch20300/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.0 V/m; Power Drift = -0.002 dB
Peak SAR (extrapolated) = 1.16 W/kg
**SAR(1 g) = 0.774 mW/g; SAR(10 g) = 0.490 mW/g**
Maximum value of SAR (measured) = 1.00 mW/g




0 dB = 1.00mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/8

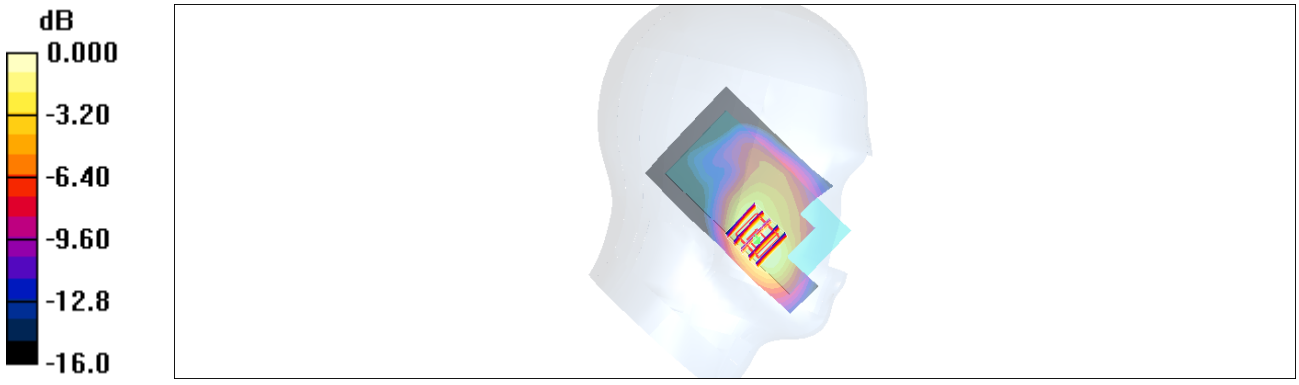
## #08_LTE Band 2_20M_QPSK_50RB_0offset_Left Cheek_Ch19100

Communication System: LTE; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_150808 Medium parameters used: f = 1900 MHz; $\sigma$ = 1.43 mho/m; $\varepsilon_r$ = 39.1; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.7 ℃； Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(8.5, 8.5, 8.5); Calibrated: 2014/11/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2014/11/13
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

**Ch19100/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.982 mW/g

**Ch19100/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.4 V/m; Power Drift = 0.161 dB
Peak SAR (extrapolated) = 1.24 W/kg
**SAR(1 g) = 0.787 mW/g; SAR(10 g) = 0.479 mW/g**
Maximum value of SAR (measured) = 1.08 mW/g




0 dB = 1.08mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/10

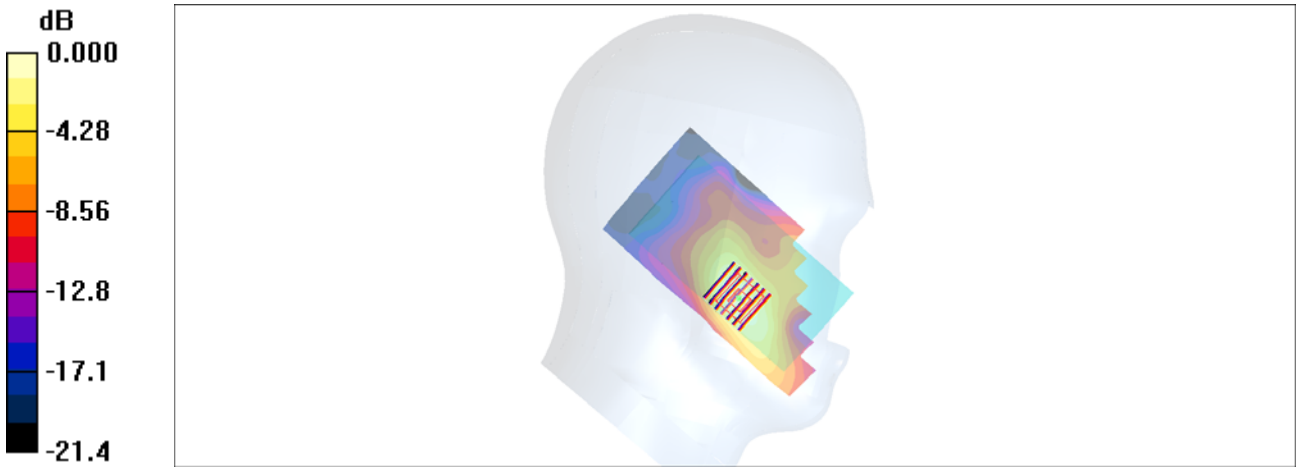
## #09_LTE Band 7_20M_QPSK_50RB_49offset_Left Cheek_Ch21100

Communication System: LTE; Frequency: 2535 MHz;Duty Cycle: 1:1
Medium: HSL_2600_150810 Medium parameters used: f = 2535 MHz; $\sigma$ = 1.9 mho/m; $\varepsilon_r$ = 40.1; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.71, 6.71, 6.71); Calibrated: 2014/9/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

**Ch21100/Area Scan (71x131x1):** Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.533 mW/g

**Ch21100/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.5 V/m; Power Drift = 0.067 dB
Peak SAR (extrapolated) = 0.696 W/kg
**SAR(1 g) = 0.353 mW/g; SAR(10 g) = 0.180 mW/g**
Maximum value of SAR (measured) = 0.544 mW/g




0 dB = 0.544mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/22

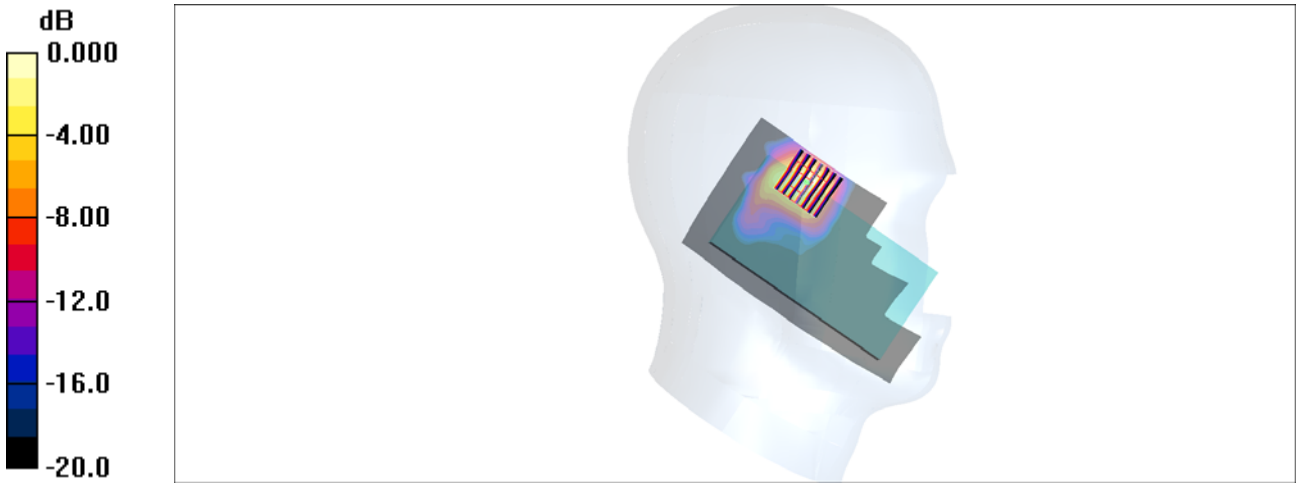
## #10_WLAN2.4GHz_802.11b 1Mbps_Left Cheek_Ch11

Communication System: 802.11b ; Frequency: 2462 MHz;Duty Cycle: 1:1.006
Medium: HSL_2450_150822 Medium parameters used: f = 2462 MHz; $\sigma$ = 1.88 mho/m; $\varepsilon_r$ = 39.7; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(7.29, 7.29, 7.29); Calibrated: 2014/9/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2014/10/6
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

**Ch11/Area Scan (81x131x1):** Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.334 mW/g

**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.3 V/m; Power Drift = 0.037 dB
Peak SAR (extrapolated) = 0.452 W/kg
**SAR(1 g) = 0.179 mW/g; SAR(10 g) = 0.076 mW/g**
Maximum value of SAR (measured) = 0.333 mW/g




0 dB = 0.333mW/g

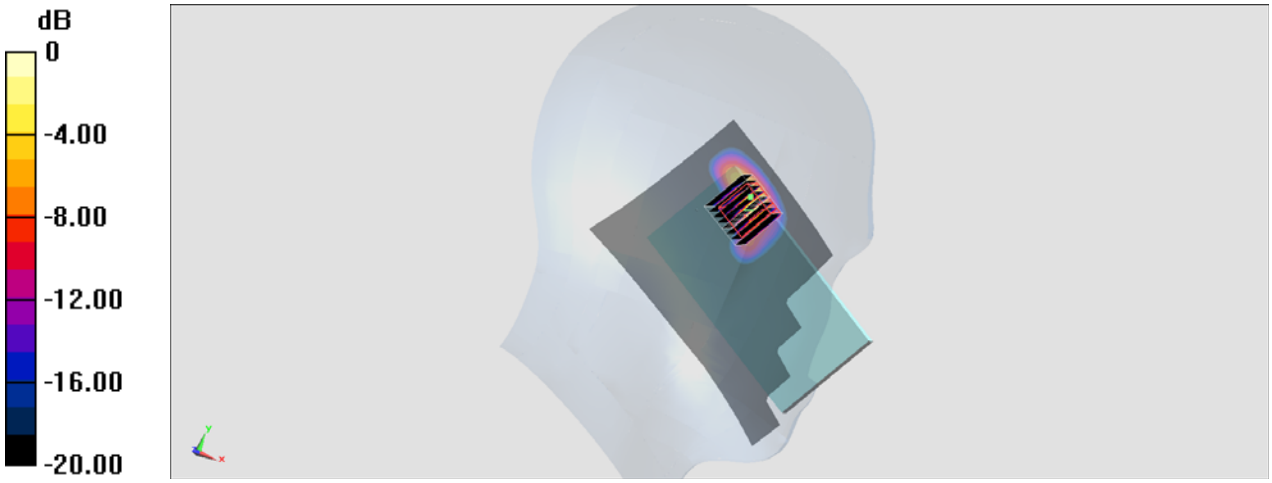
# #11_WLAN5GHz_802.11n-HT40 MCS0_Left Cheek_Ch62

Communication System: 802.11n; Frequency: 5310 MHz;Duty Cycle: 1:1.042
Medium: HSL_5G_150822 Medium parameters used: f = 5310 MHz; $\sigma$ = 4.588 S/m; $\varepsilon_r$ = 37.063; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(4.92, 4.92, 4.92); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2014/11/13
- Phantom: SAM_Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch62/Area Scan (101x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.261 W/kg

**Configuration/Ch62/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 8.124 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.552 W/kg
**SAR(1 g) = 0.116 W/kg; SAR(10 g) = 0.031 W/kg**
Maximum value of SAR (measured) = 0.352 W/kg




0 dB = 0.352 W/kg = -4.53 dBW/kg

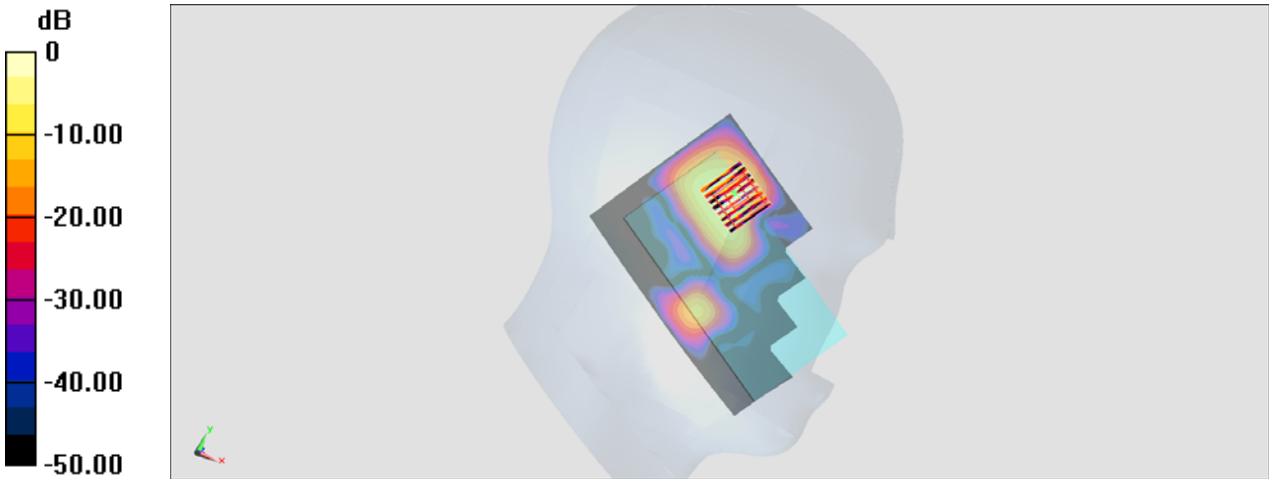
# #12_WLAN5GHz_802.11n-HT40 MCS0_Left Cheek_Ch102

Communication System: 802.11n ; Frequency: 5510 MHz;Duty Cycle: 1:1.042
Medium: HSL_5G_150822 Medium parameters used : f = 5510 MHz; $\sigma$ = 4.783 S/m; $\varepsilon_r$ = 36.751; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(4.74, 4.74, 4.74); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2014/11/13
- Phantom: SAM_Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch102/Area Scan (101x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.396 W/kg

**Configuration/Ch102/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 8.979 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.569 W/kg
**SAR(1 g) = 0.124 W/kg; SAR(10 g) = 0.033 W/kg**
Maximum value of SAR (measured) = 0.366 W/kg




0 dB = 0.366 W/kg = -4.37 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/22

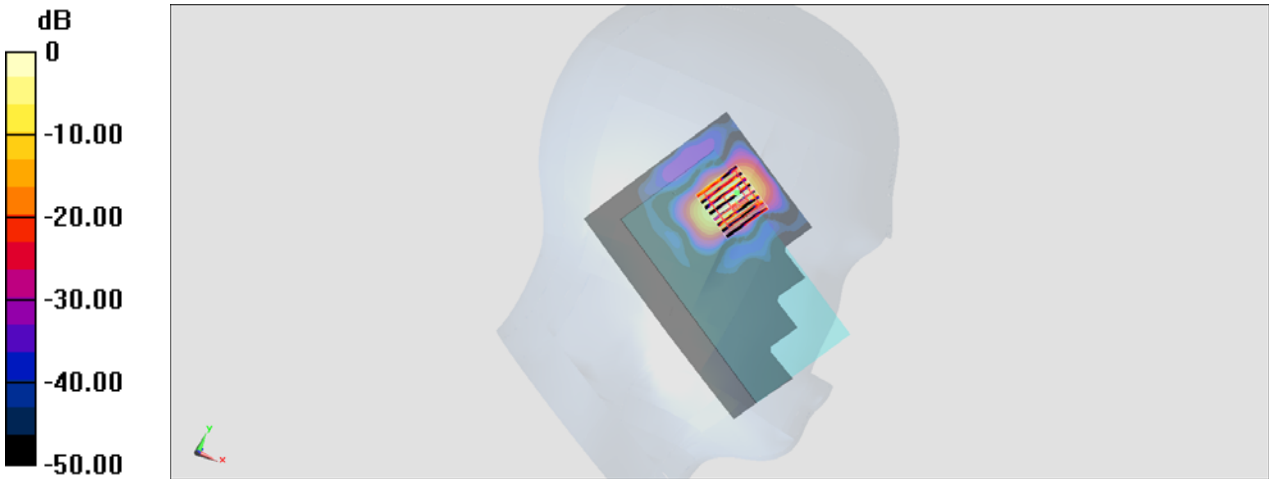
## #13_WLAN5GHz_802.11n-HT40 MCS0_Left Cheek_Ch151

Communication System: 802.11n ; Frequency: 5755 MHz;Duty Cycle: 1:1.042
Medium: HSL_5G_150822 Medium parameters used : f = 5755 MHz; $\sigma$ = 5.056 S/m; $\varepsilon_r$ = 36.484; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(4.63, 4.63, 4.63); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2014/11/13
- Phantom: SAM_Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch151/Area Scan (101x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.240 W/kg

**Configuration/Ch151/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 8.730 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.525 W/kg
**SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.026 W/kg**
Maximum value of SAR (measured) = 0.312 W/kg




0 dB = 0.312 W/kg = -5.06 dBW/kg

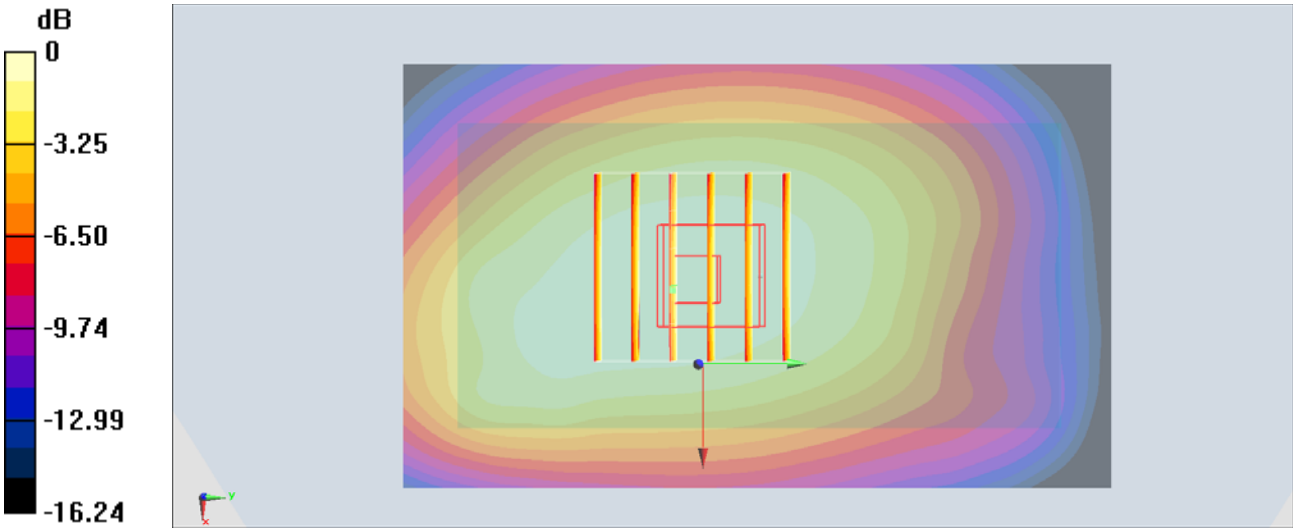
# #14_GSM850_GPRS (3 Tx slots)_Back_10mm_Ch251

Communication System: GSM850 ; Frequency: 848.8 MHz;Duty Cycle: 1:2.77
Medium: MSL_850_150805 Medium parameters used: f = 849 MHz; $\sigma$ = 0.979 S/m; $\varepsilon_r$ = 56.674; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.6 ℃； Liquid Temperature：22.6 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3925; ConvF(9.93, 9.93, 9.93); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: SAM_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch251/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.851 W/kg

**Configuration/Ch251/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.00 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 1.00 W/kg
**SAR(1 g) = 0.721 W/kg; SAR(10 g) = 0.520 W/kg**
Maximum value of SAR (measured) = 0.850 W/kg




0 dB = 0.850 W/kg = -0.71 dBW/kg

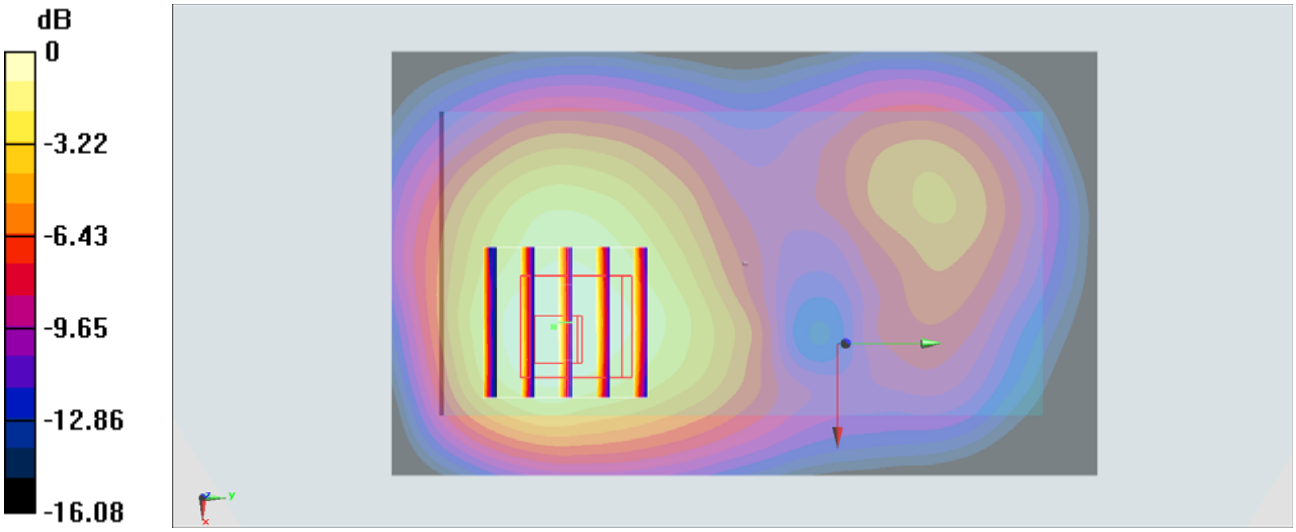
# #15_GSM1900_GPRS (4 Tx slots)_Back_10mm_Ch661

Communication System: PCS ; Frequency: 1880 MHz;Duty Cycle: 1:2.08
Medium: MSL_1900_150804 Medium parameters used: f = 1880 MHz; $\sigma$ = 1.53 S/m; $\varepsilon_r$ = 54.472; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃； Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3925; ConvF(7.9, 7.9, 7.9); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1796
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch661/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.819 W/kg

**Configuration/Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.13 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.923 W/kg
**SAR(1 g) = 0.552 W/kg; SAR(10 g) = 0.334 W/kg**
Maximum value of SAR (measured) = 0.745 W/kg




0 dB = 0.745 W/kg = -1.28 dBW/kg

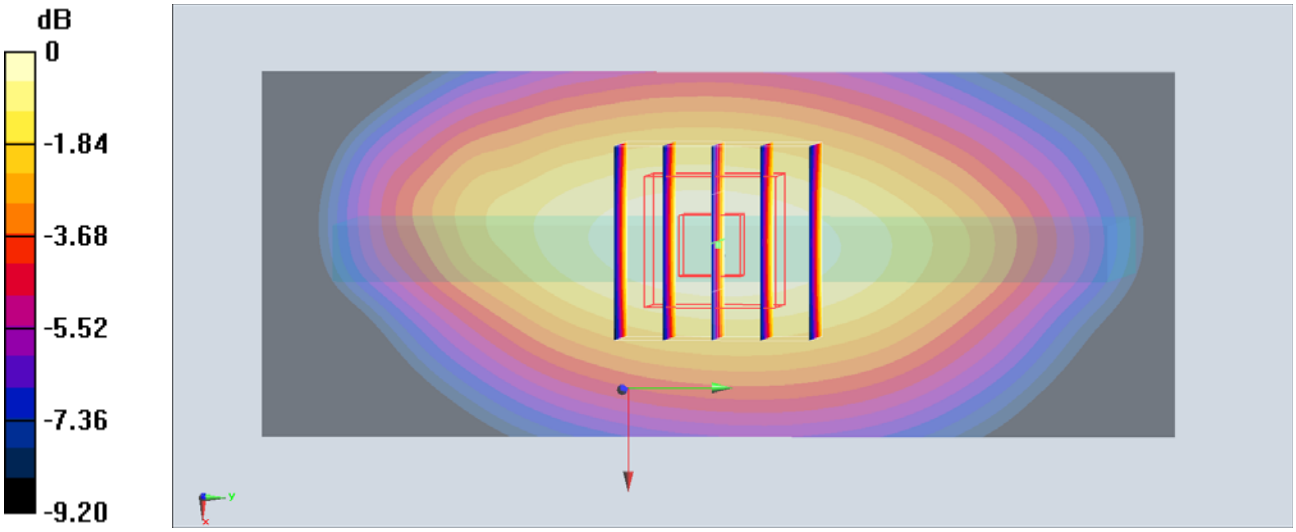
# #16_WCDMA V_RMC 12.2Kbps_Left Side_10mm_Ch4233

Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_850_150805 Medium parameters used: f = 847 MHz; $\sigma$ = 0.977 S/m; $\varepsilon_r$ = 56.69; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.6 ℃； Liquid Temperature：22.6 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3925; ConvF(9.93, 9.93, 9.93); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: SAM_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch4233/Area Scan (41x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.692 W/kg

**Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.94 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.764 W/kg
**SAR(1 g) = 0.541 W/kg; SAR(10 g) = 0.396 W/kg**
Maximum value of SAR (measured) = 0.688 W/kg




0 dB = 0.688 W/kg = -1.62 dBW/kg

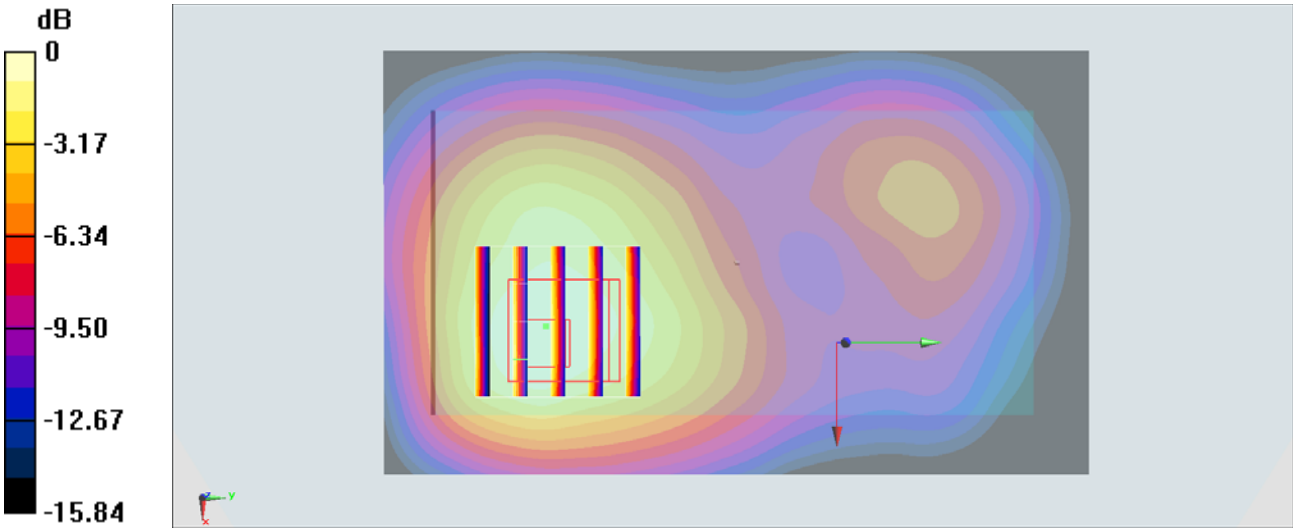
# #17_WCDMA II_RMC 12.2Kbps_Back_10mm_Ch9538

Communication System: WCDMA ; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_150804 Medium parameters used: f = 1908 MHz; $\sigma$ = 1.568 S/m; $\varepsilon_r$ = 54.403; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃； Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3925; ConvF(7.9, 7.9, 7.9); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1796
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch9538/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.714 W/kg

**Configuration/Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.41 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.826 W/kg
**SAR(1 g) = 0.491 W/kg; SAR(10 g) = 0.295 W/kg**
Maximum value of SAR (measured) = 0.671 W/kg




0 dB = 0.671 W/kg = -1.73 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/5

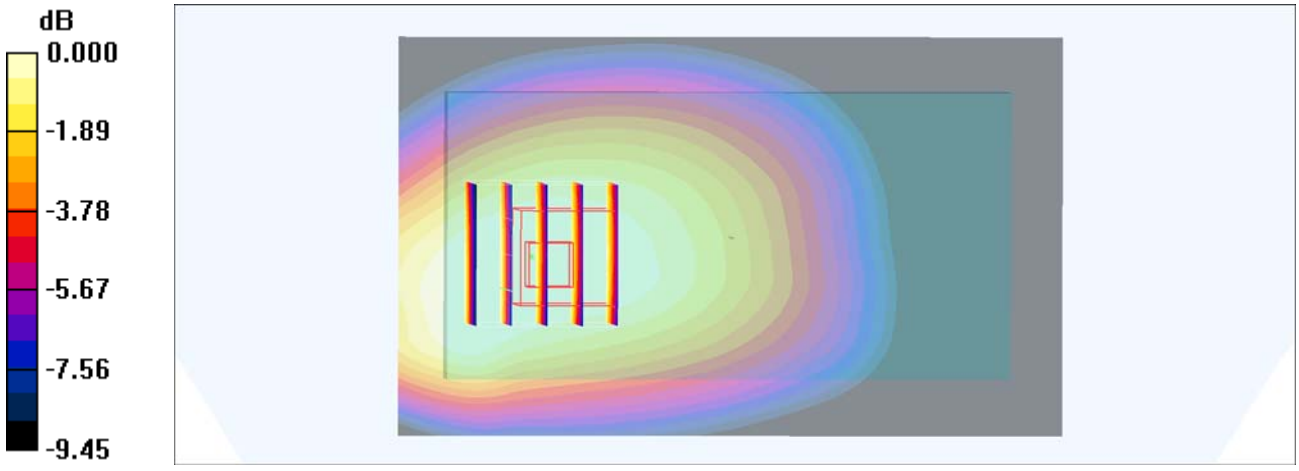
## #18_LTE Band 12_10M_QPSK_1RB_0offset_Back_10mm_Ch23060

Communication System: LTE; Frequency: 704 MHz;Duty Cycle: 1:1
Medium: MSL_750_150805 Medium parameters used: f = 704 MHz; $\sigma$ = 0.928 mho/m; $\varepsilon_r$ = 56.7; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.83, 8.83, 8.83); Calibrated: 2014/9/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

**Ch23060/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.409 mW/g

**Ch23060/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.1 V/m; Power Drift = 0.130 dB
Peak SAR (extrapolated) = 0.417 W/kg
**SAR(1 g) = 0.319 mW/g; SAR(10 g) = 0.238 mW/g**
Maximum value of SAR (measured) = 0.380 mW/g




0 dB = 0.380mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/5

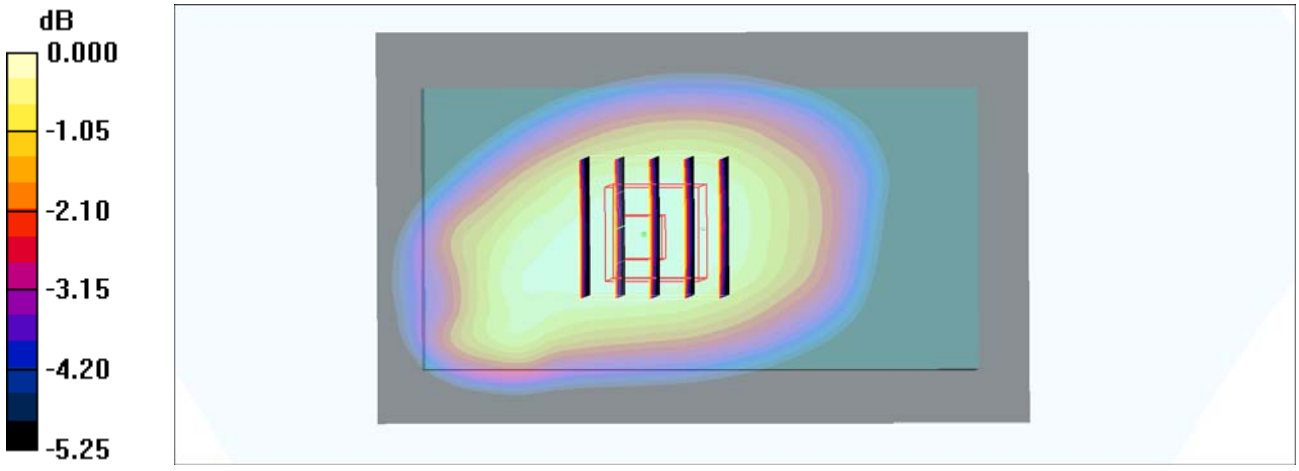
## #19_LTE Band 5_10M_QPSK_1RB_0offset_Back_10mm_Ch20450

Communication System: LTE; Frequency: 829 MHz;Duty Cycle: 1:1
Medium: MSL_850_150805 Medium parameters used: f = 829 MHz; $\sigma$ = 0.984 mho/m; $\varepsilon_r$ = 54.4; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.75, 8.75, 8.75); Calibrated: 2014/9/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

**Ch20450/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.577 mW/g

**Ch20450/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.2 V/m; Power Drift = 0.063 dB
Peak SAR (extrapolated) = 0.605 W/kg
**SAR(1 g) = 0.473 mW/g; SAR(10 g) = 0.358 mW/g**
Maximum value of SAR (measured) = 0.560 mW/g




0 dB = 0.560mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/5

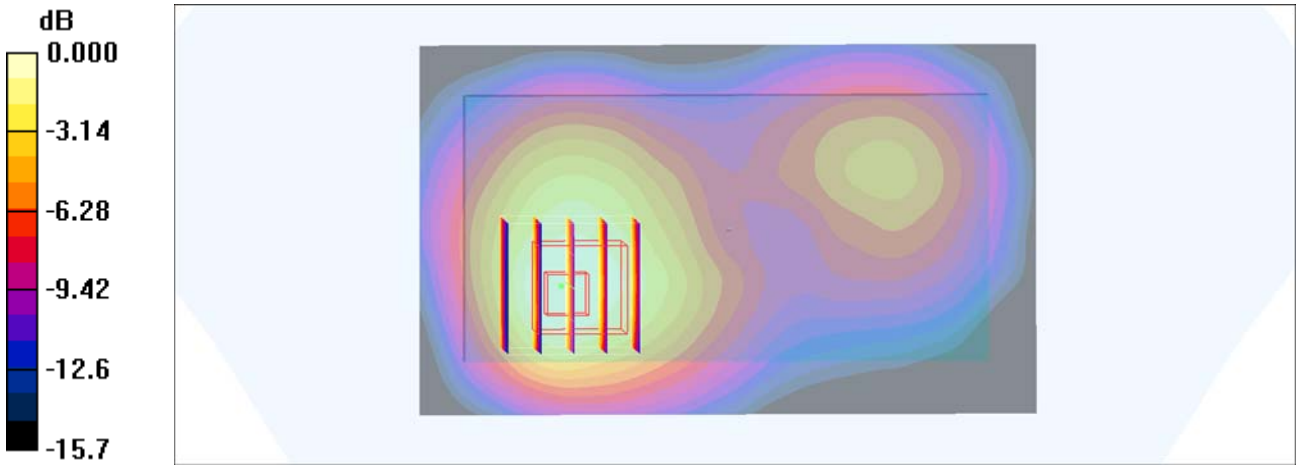
## #20_LTE Band 4_20M_QPSK_50RB_0offset_Back_10mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1750_150805 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.45 mho/m; $\varepsilon_r$ = 55; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.38, 7.38, 7.38); Calibrated: 2014/9/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

**Ch20175/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.731 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.7 V/m; Power Drift = 0.123 dB
Peak SAR (extrapolated) = 0.738 W/kg
**SAR(1 g) = 0.479 mW/g; SAR(10 g) = 0.295 mW/g**
Maximum value of SAR (measured) = 0.634 mW/g




0 dB = 0.634mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/4

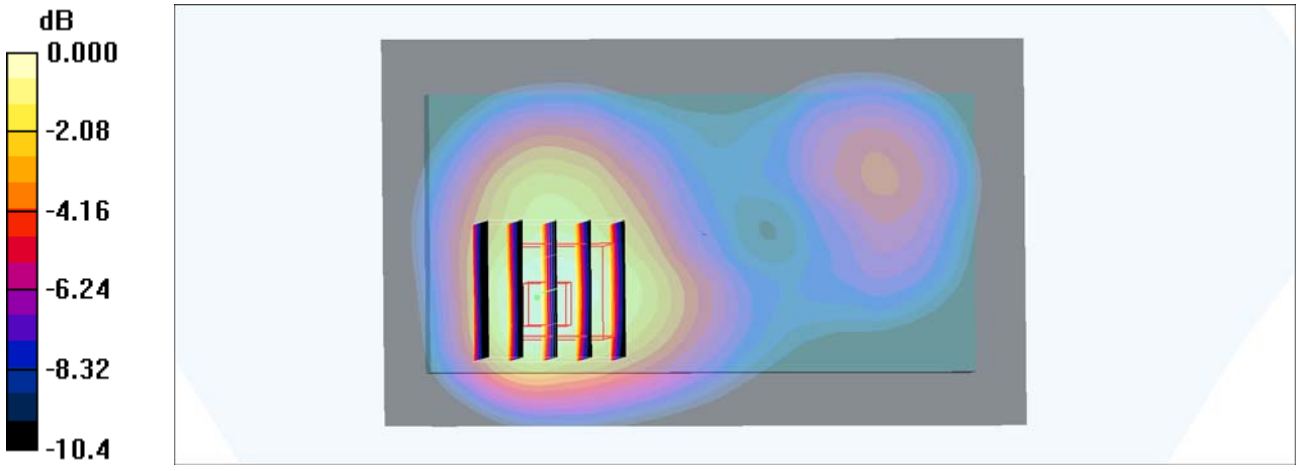
## #21_LTE Band 2_20M_QPSK_50RB_0offset_Back_10mm_Ch18900

Communication System: LTE; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_150804 Medium parameters used: f = 1880 MHz; $\sigma$ = 1.53 mho/m; $\varepsilon_r$ = 51.1; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.06, 7.06, 7.06); Calibrated: 2014/9/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

**Ch18900/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.657 mW/g

**Ch18900/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.5 V/m; Power Drift = -0.006 dB
Peak SAR (extrapolated) = 0.722 W/kg
**SAR(1 g) = 0.462 mW/g; SAR(10 g) = 0.282 mW/g**
Maximum value of SAR (measured) = 0.618 mW/g




0 dB = 0.618mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/4

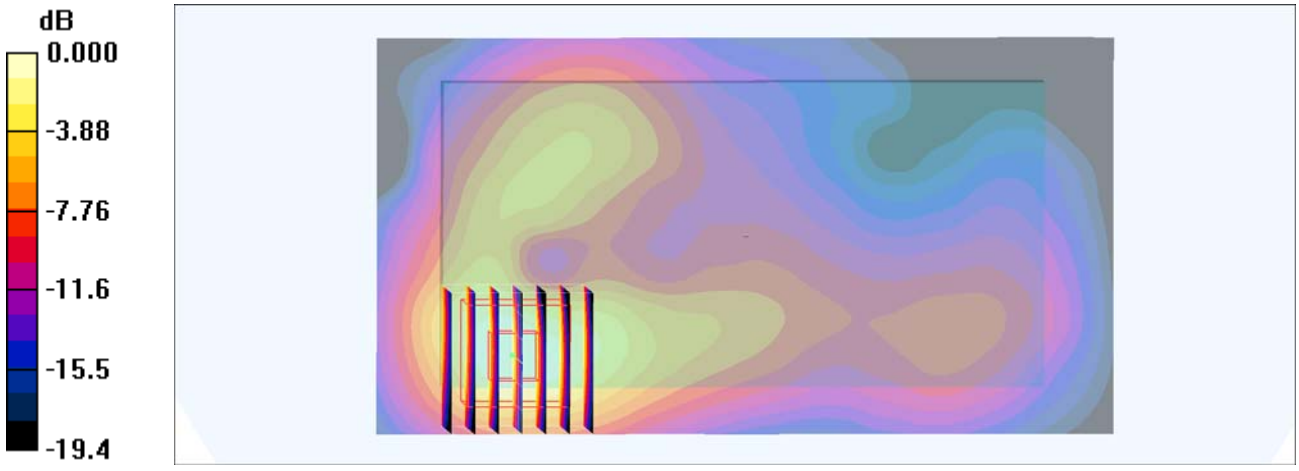
## #22_LTE Band 7_20M_QPSK_50RB_0offset_Back_10mm_Ch21100

Communication System: LTE; Frequency: 2535 MHz;Duty Cycle: 1:1
Medium: MSL_2600_150804 Medium parameters used: f = 2535 MHz; $\sigma$ = 2.1 mho/m; $\varepsilon_r$ = 54.3; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.63, 6.63, 6.63); Calibrated: 2014/9/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

**Ch21100/Area Scan (71x131x1):** Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.776 mW/g

**Ch21100/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.5 V/m; Power Drift = 0.043 dB
Peak SAR (extrapolated) = 0.869 W/kg
**SAR(1 g) = 0.435 mW/g; SAR(10 g) = 0.205 mW/g**
Maximum value of SAR (measured) = 0.707 mW/g




0 dB = 0.707mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/22

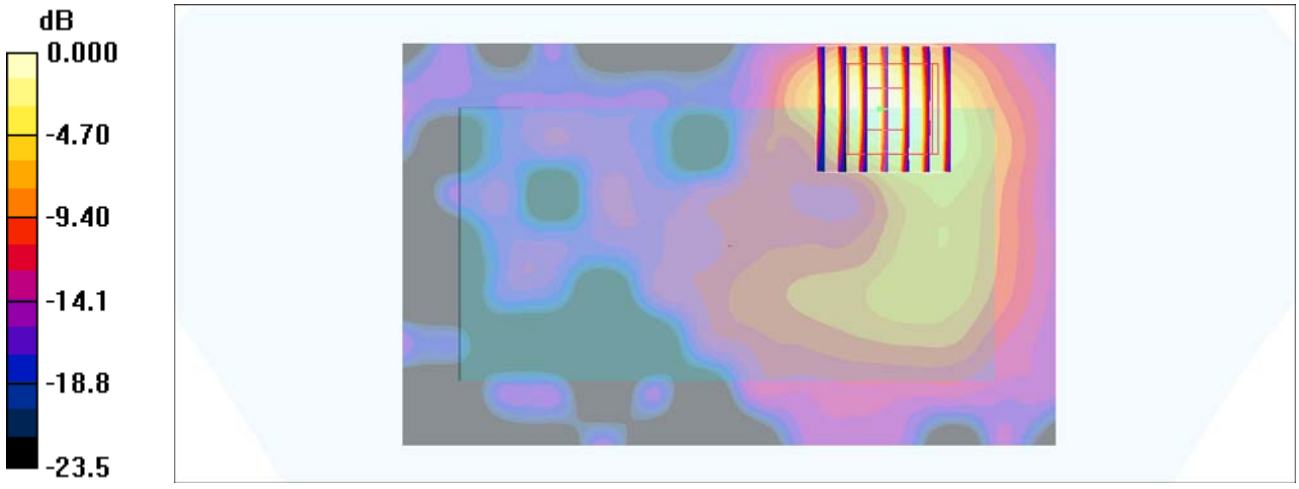
## #23_WLAN2.4GHz_802.11b 1Mbps_Back_10mm_Ch11

Communication System: 802.11b ; Frequency: 2462 MHz;Duty Cycle: 1:1.006
Medium: MSL_2450_150822 Medium parameters used: f = 2462 MHz; $\sigma$ = 2.02 mho/m; $\varepsilon_r$ = 51.3; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(7.36, 7.36, 7.36); Calibrated: 2014/9/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2014/10/6
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

**Ch11/Area Scan (81x131x1):** Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.159 mW/g

**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.16 V/m; Power Drift = -0.030 dB
Peak SAR (extrapolated) = 0.198 W/kg
**SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.043 mW/g**
Maximum value of SAR (measured) = 0.157 mW/g




0 dB = 0.157mW/g

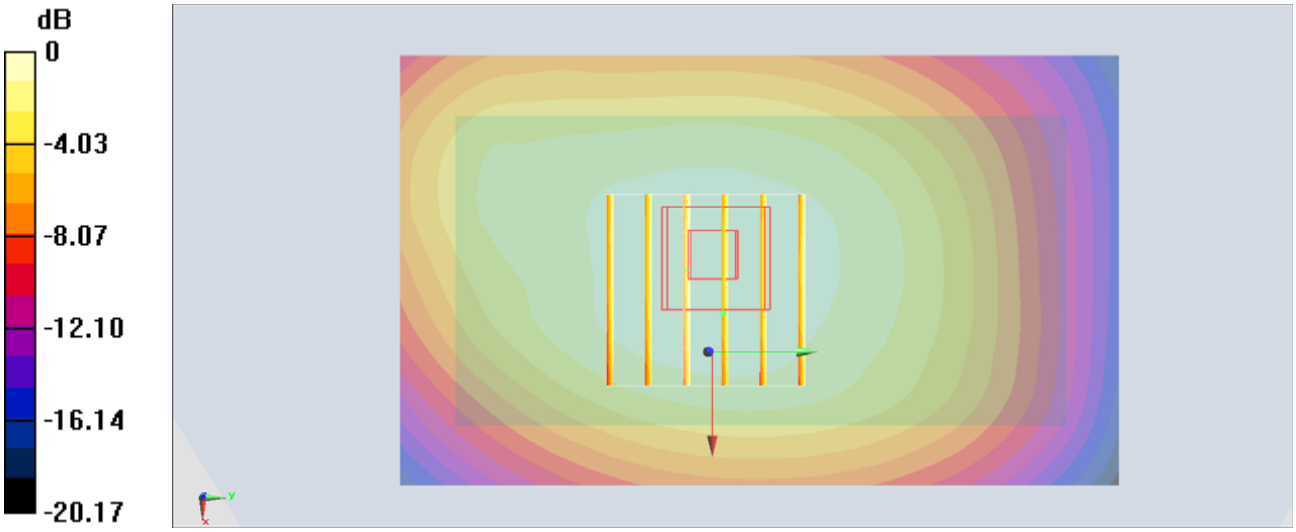
# #24_GSM850_GPRS (3 Tx slots)_Front_15mm_Ch251

Communication System: GSM850 ; Frequency: 848.8 MHz;Duty Cycle: 1:2.77
Medium: MSL_850_150805 Medium parameters used: f = 849 MHz; $\sigma$ = 0.979 S/m; $\varepsilon_r$ = 56.674; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.6 ℃； Liquid Temperature：22.6 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3925; ConvF(9.93, 9.93, 9.93); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: SAM_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch251/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.625 W/kg

**Configuration/Ch251/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.57 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.722 W/kg
**SAR(1 g) = 0.557 W/kg; SAR(10 g) = 0.423 W/kg**
Maximum value of SAR (measured) = 0.662 W/kg




0 dB = 0.662 W/kg = -1.79 dBW/kg

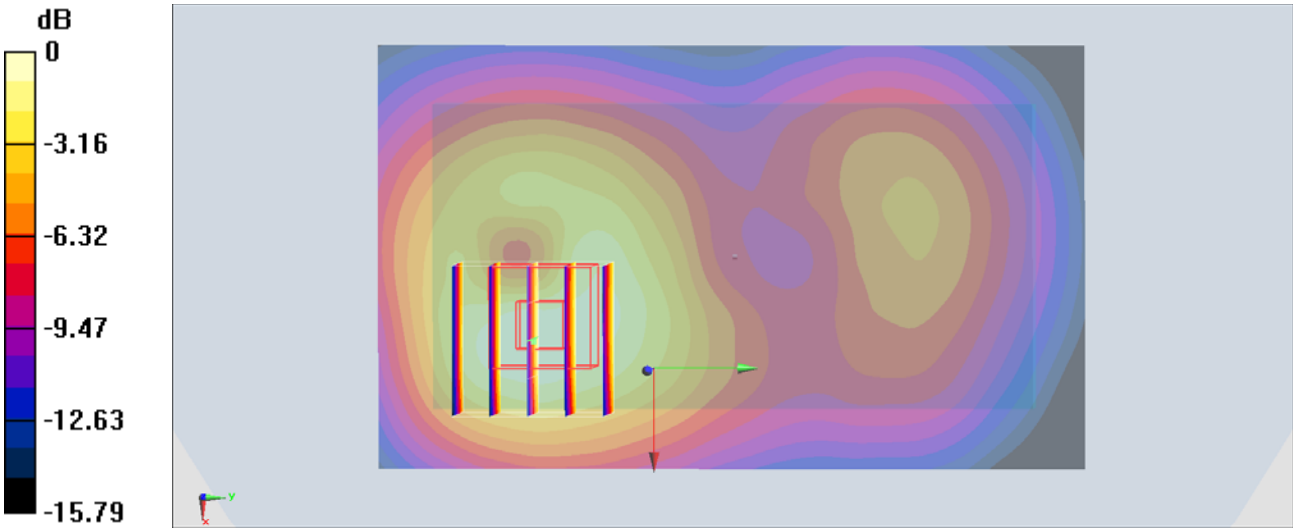
# #25_GSM1900_GPRS (4 Tx slots)_Back_15mm_Ch661

Communication System: PCS; Frequency: 1880 MHz;Duty Cycle: 1:2.08
Medium: MSL_1900_150804 Medium parameters used: f = 1880 MHz; $\sigma$ = 1.53 S/m; $\varepsilon_r$ = 54.472; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃； Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3925; ConvF(7.9, 7.9, 7.9); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1796
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch661/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.791 W/kg

**Configuration/Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.99 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.866 W/kg
**SAR(1 g) = 0.548 W/kg; SAR(10 g) = 0.343 W/kg**
Maximum value of SAR (measured) = 0.748 W/kg




0 dB = 0.748 W/kg = -1.26 dBW/kg

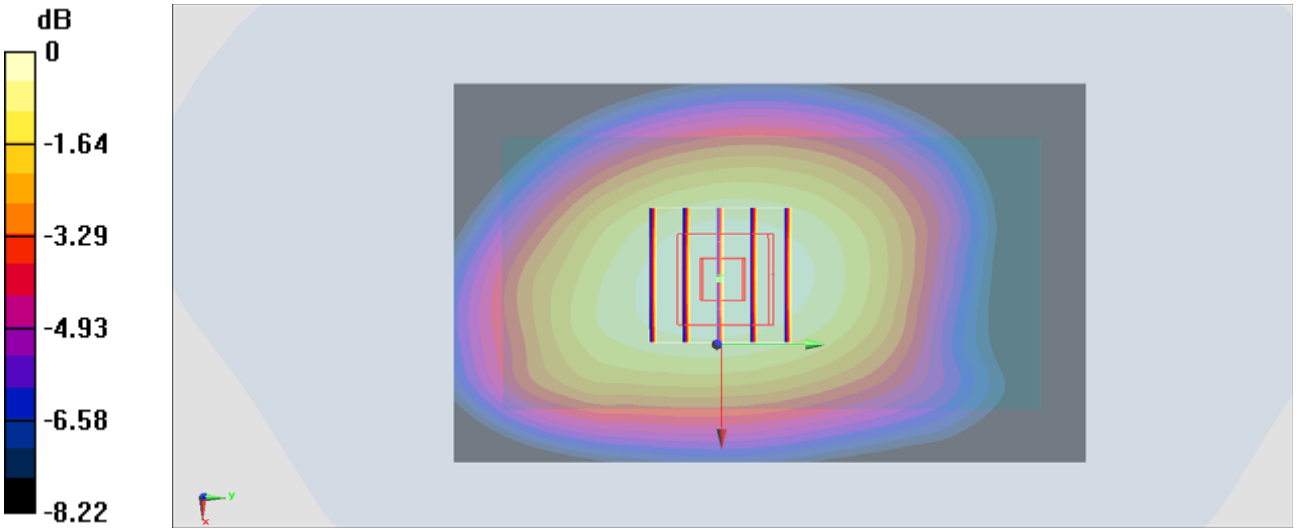
# #26_WCDMA V_RMC 12.2Kbps_Back_15mm_Ch4233

Communication System: WCDMA ; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_850_150805 Medium parameters used: f = 847 MHz; $\sigma$ = 0.977 S/m; $\varepsilon_r$ = 56.69; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3925; ConvF(9.93, 9.93, 9.93); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: SAM_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch4233/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.497 W/kg

**Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.64 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.535 W/kg
**SAR(1 g) = 0.409 W/kg; SAR(10 g) = 0.308 W/kg**
Maximum value of SAR (measured) = 0.492 W/kg




0 dB = 0.492 W/kg = -3.08 dBW/kg

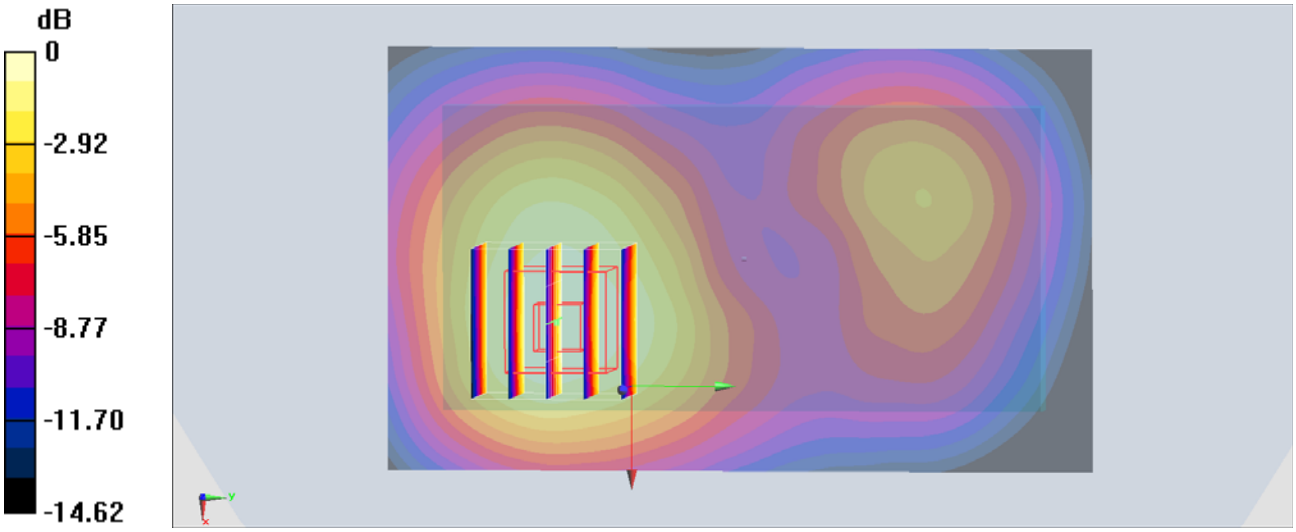
# #27_WCDMA II_RMC 12.2Kbps_Back_15mm_Ch9400

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_150804 Medium parameters used: f = 1880 MHz; $\sigma$ = 1.53 S/m; $\varepsilon_r$ = 54.472; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃； Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3925; ConvF(7.9, 7.9, 7.9); Calibrated: 2015/5/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1796
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch9400/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.687 W/kg

**Configuration/Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.79 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.772 W/kg
**SAR(1 g) = 0.488 W/kg; SAR(10 g) = 0.306 W/kg**
Maximum value of SAR (measured) = 0.664 W/kg




0 dB = 0.664 W/kg = -1.78 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/5

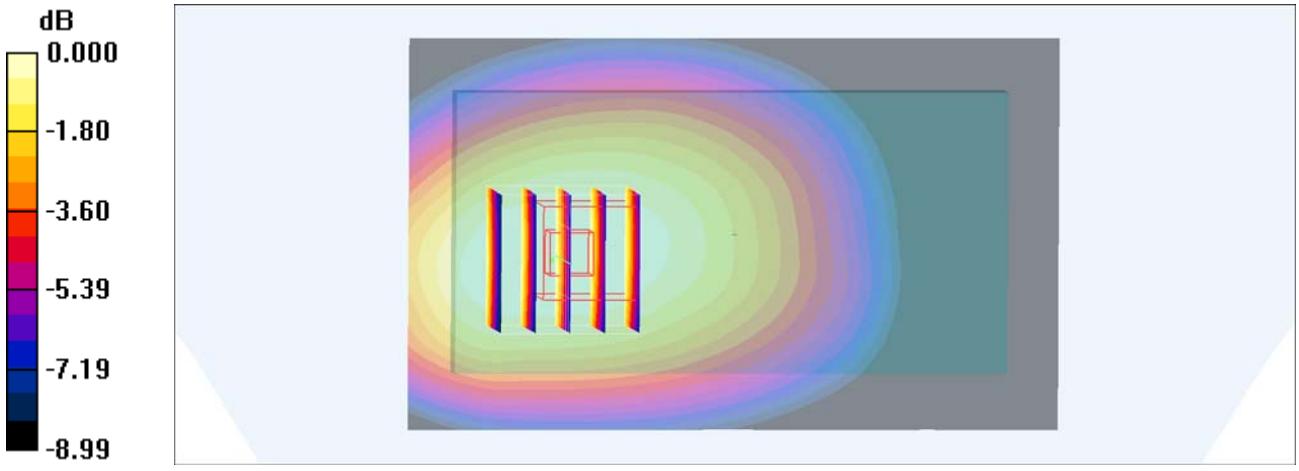
## #28_LTE Band 12_10M_QPSK_1RB_0offset_Back_15mm_Ch23060

Communication System: LTE; Frequency: 704 MHz;Duty Cycle: 1:1
Medium: MSL_750_150805 Medium parameters used: f = 704 MHz; $\sigma$ = 0.928 mho/m; $\varepsilon_r$ = 56.7; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃； Liquid Temperature：22.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.83, 8.83, 8.83); Calibrated: 2014/9/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

**Ch23060/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.251 mW/g

**Ch23060/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.9 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 0.259 W/kg
**SAR(1 g) = 0.200 mW/g; SAR(10 g) = 0.151 mW/g**
Maximum value of SAR (measured) = 0.240 mW/g




0 dB = 0.240mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/5

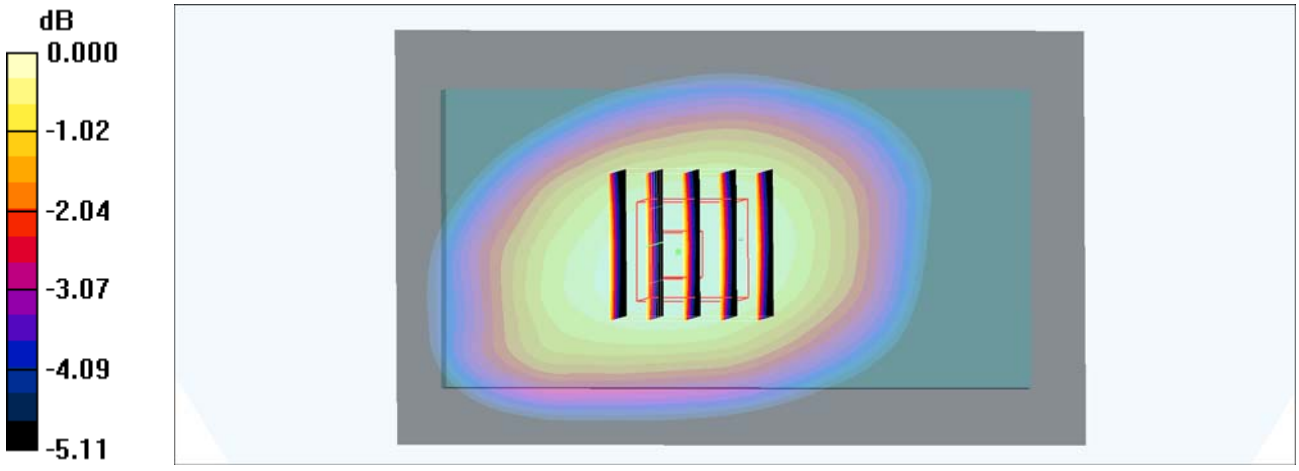
## #29_LTE Band 5_10M_QPSK_1RB_0offset_Back_15mm_Ch20450

Communication System: LTE; Frequency: 829 MHz;Duty Cycle: 1:1
Medium: MSL_850_150805 Medium parameters used: f = 829 MHz; $\sigma$ = 0.984 mho/m; $\varepsilon_r$ = 54.4; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.75, 8.75, 8.75); Calibrated: 2014/9/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

**Ch20450/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.517 mW/g

**Ch20450/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.8 V/m; Power Drift = 0.039 dB
Peak SAR (extrapolated) = 0.534 W/kg
**SAR(1 g) = 0.414 mW/g; SAR(10 g) = 0.314 mW/g**
Maximum value of SAR (measured) = 0.492 mW/g




0 dB = 0.492mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/5

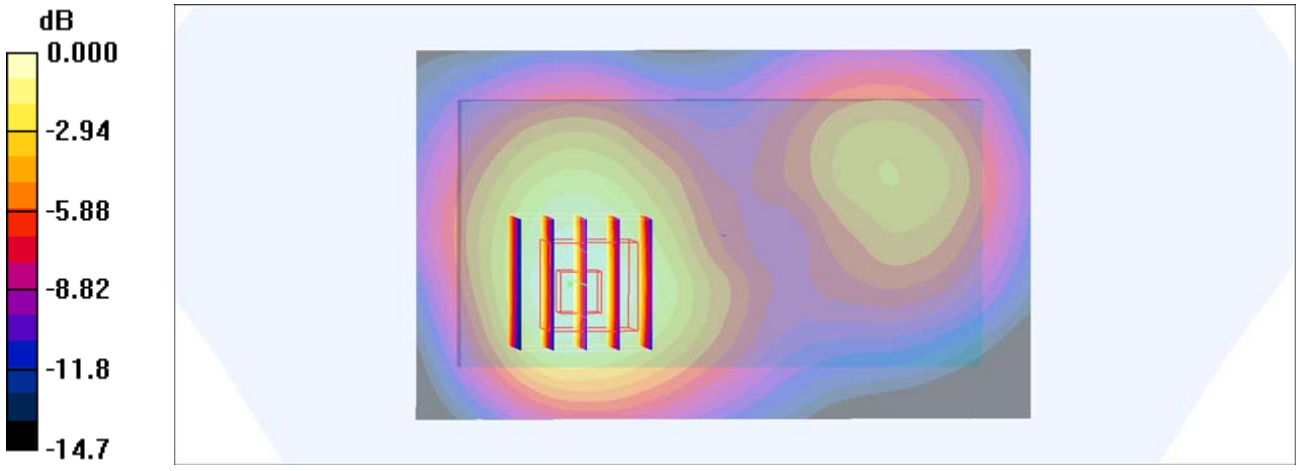
## #30_LTE Band 4_20M_QPSK_50RB_0offset_Back_15mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1750_150805 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.45 mho/m; $\varepsilon_r$ = 55; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.38, 7.38, 7.38); Calibrated: 2014/9/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

**Ch20175/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.735 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.3 V/m; Power Drift = 0.132 dB
Peak SAR (extrapolated) = 0.771 W/kg
**SAR(1 g) = 0.520 mW/g; SAR(10 g) = 0.332 mW/g**
Maximum value of SAR (measured) = 0.683 mW/g




0 dB = 0.683mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/4

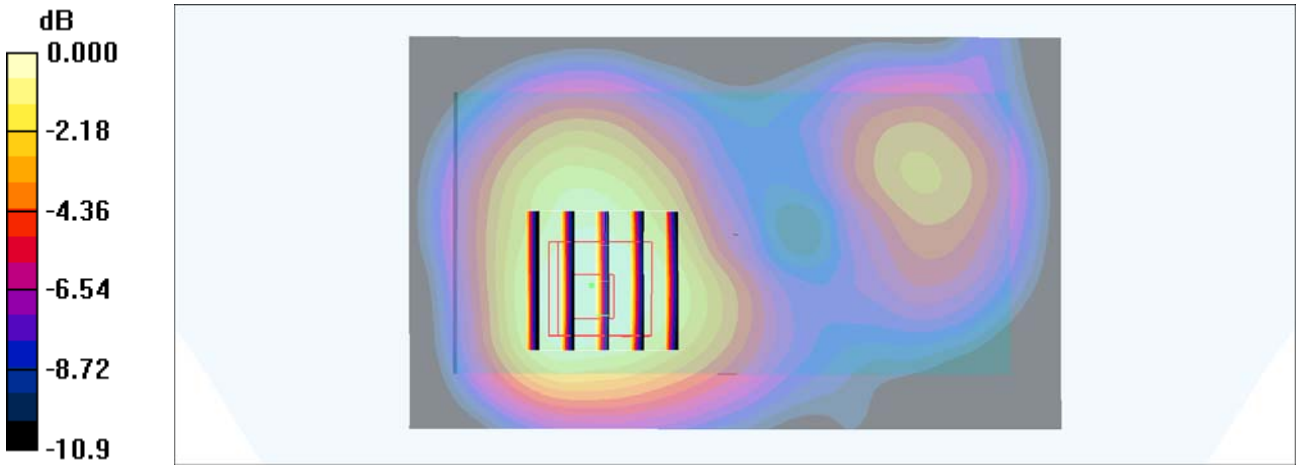
## #31_LTE Band 2_20M_QPSK_50RB_49offset_Back_15mm_Ch18900

Communication System: LTE; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_150804 Medium parameters used: f = 1880 MHz; $\sigma$ = 1.53 mho/m; $\varepsilon_r$ = 51.1; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.06, 7.06, 7.06); Calibrated: 2014/9/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

**Ch18900/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.555 mW/g

**Ch18900/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.4 V/m; Power Drift = -0.048 dB
Peak SAR (extrapolated) = 0.595 W/kg
**SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.248 mW/g**
Maximum value of SAR (measured) = 0.507 mW/g




0 dB = 0.507mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/4

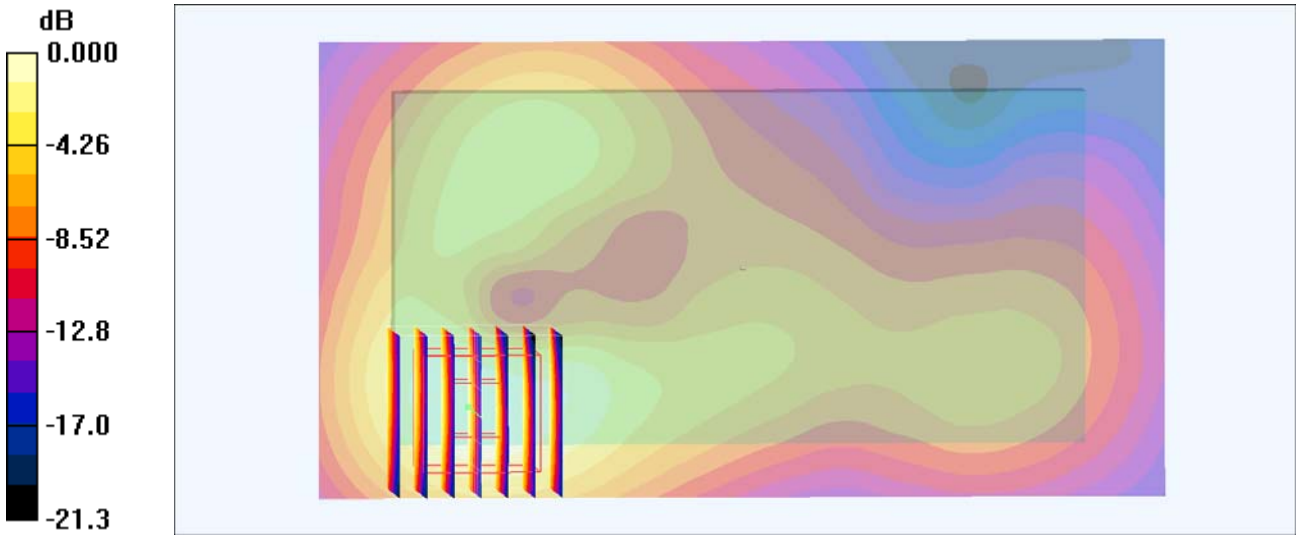
## #32_LTE Band 7_20M_QPSK_50RB_49offset_Back_15mm_Ch21100

Communication System: LTE; Frequency: 2535 MHz;Duty Cycle: 1:1
Medium: MSL_2600_150804 Medium parameters used: f = 2535 MHz; $\sigma$ = 2.1 mho/m; $\varepsilon_r$ = 54.3; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.63, 6.63, 6.63); Calibrated: 2014/9/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

**Ch21100/Area Scan (71x131x1):** Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.514 mW/g

**Ch21100/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.7 V/m; Power Drift = -0.127 dB
Peak SAR (extrapolated) = 0.585 W/kg
**SAR(1 g) = 0.304 mW/g; SAR(10 g) = 0.155 mW/g**
Maximum value of SAR (measured) = 0.478 mW/g




0 dB = 0.478mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/8/22

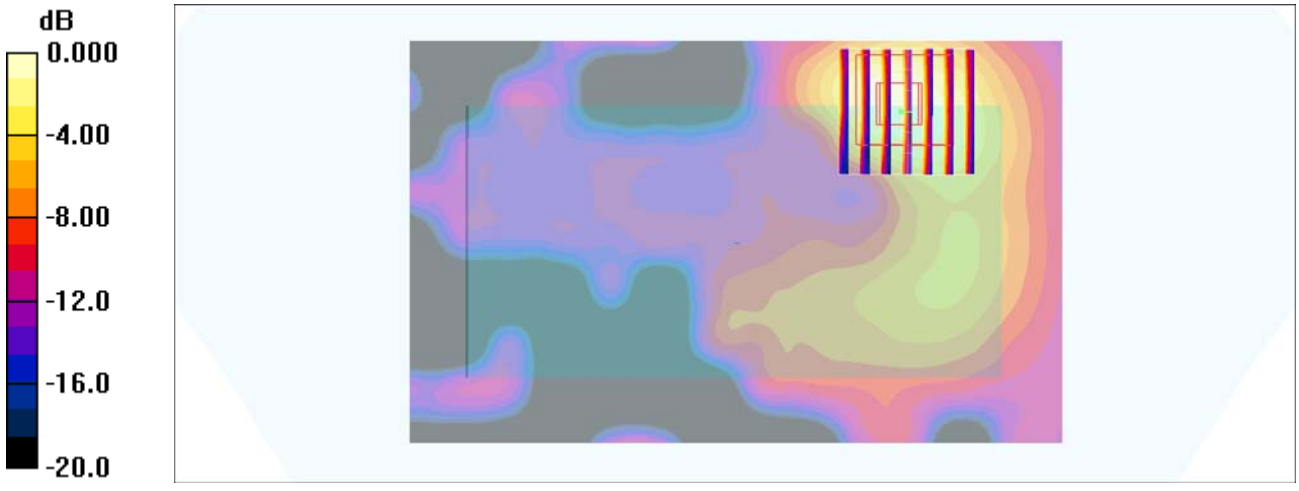
## #33_WLAN2.4GHz_802.11b 1Mbps_Back_15mm_Ch11

Communication System: 802.11b ; Frequency: 2462 MHz;Duty Cycle: 1:1.006
Medium: MSL_2450_150822 Medium parameters used: f = 2462 MHz; $\sigma$ = 2.02 mho/m; $\varepsilon_r$ = 51.3; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(7.36, 7.36, 7.36); Calibrated: 2014/9/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2014/10/6
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

**Ch11/Area Scan (81x131x1):** Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.063 mW/g

**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.36 V/m; Power Drift = 0.049 dB
Peak SAR (extrapolated) = 0.079 W/kg
**SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.020 mW/g**
Maximum value of SAR (measured) = 0.062 mW/g




0 dB = 0.062mW/g

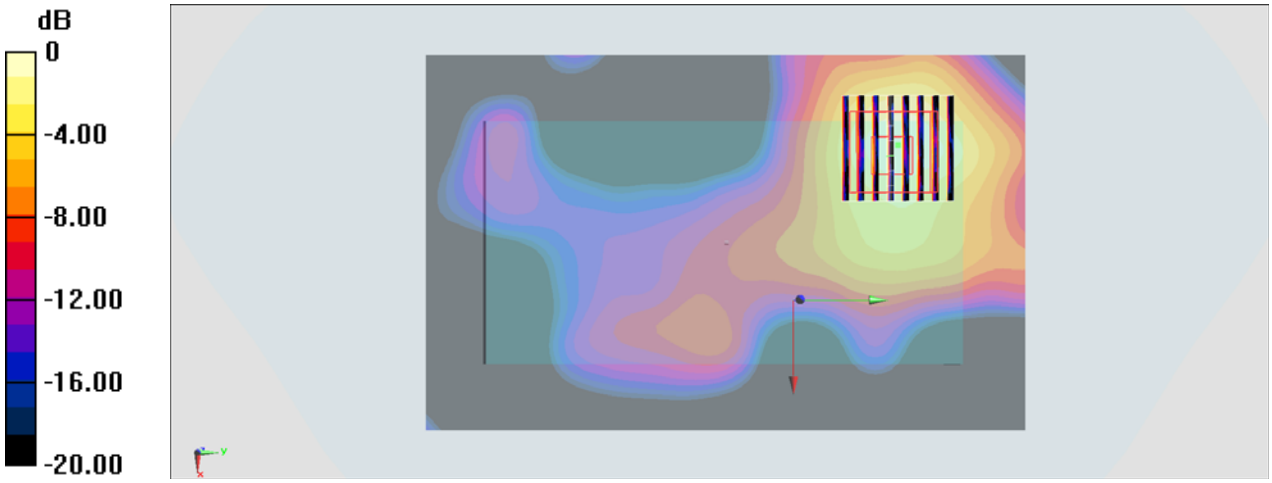
# #34_WLAN5GHz_802.11n-HT40 MCS0_Back_15mm_Ch62

Communication System: 802.11n ; Frequency: 5310 MHz;Duty Cycle: 1:1.042
Medium: MSL_5G_150822 Medium parameters used: f = 5310 MHz; $\sigma$ = 5.584 S/m; $\varepsilon_r$ = 46.939; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(4.44, 4.44, 4.44); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2014/11/13
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1542
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch62/Area Scan (101x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.194 W/kg

**Configuration/Ch62/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 6.513 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.351 W/kg
**SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.035 W/kg**
Maximum value of SAR (measured) = 0.202 W/kg




0 dB = 0.202 W/kg = -6.95 dBW/kg

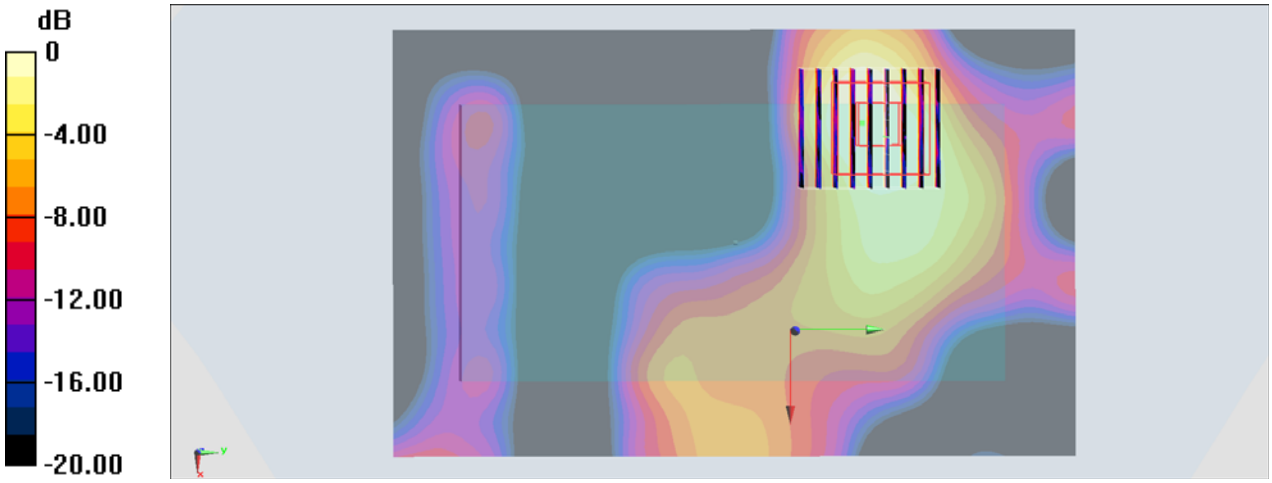
# #35_WLAN5GHz_802.11n-HT40 MCS0_Back_15mm_Ch102

Communication System: 802.11n ; Frequency: 5510 MHz;Duty Cycle: 1:1.042
Medium: MSL_5G_150822 Medium parameters used: f = 5510 MHz; $\sigma$ = 5.841 S/m; $\varepsilon_r$ = 46.582; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(4.13, 4.13, 4.13); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2014/11/13
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1542
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch102/Area Scan (101x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.182 W/kg

**Configuration/Ch102/Zoom Scan (8x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 5.316 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.223 W/kg
**SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.023 W/kg**
Maximum value of SAR (measured) = 0.131 W/kg




0 dB = 0.131 W/kg = -8.83 dBW/kg

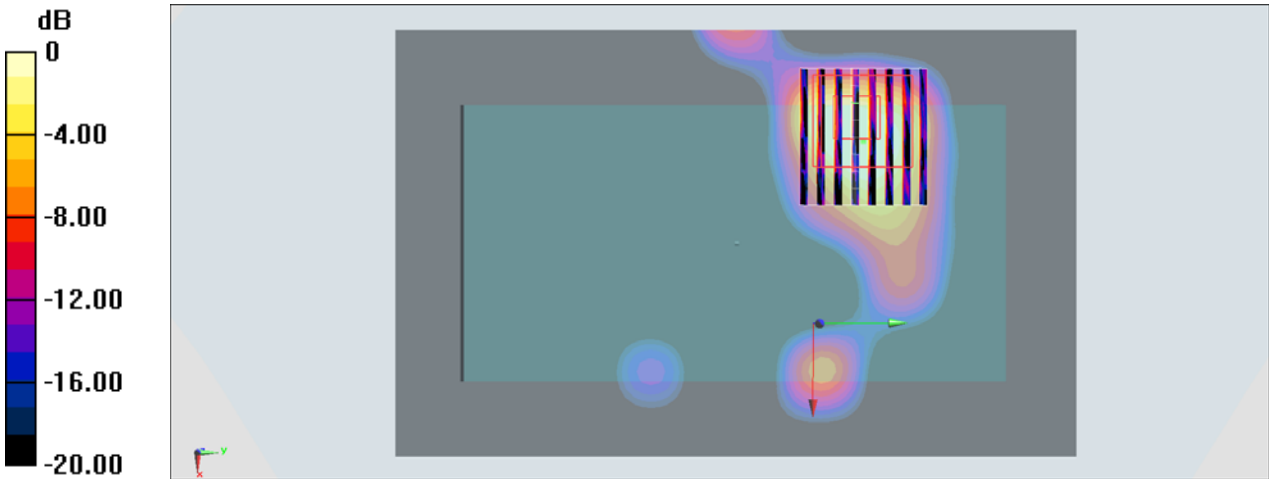
# #36_WLAN5GHz_802.11n-HT40 MCS0_Back_15mm_Ch151

Communication System: 802.11n ; Frequency: 5755 MHz;Duty Cycle: 1:1.042
Medium: MSL_5G_150822 Medium parameters used: f = 5755 MHz; $\sigma$ = 6.178 S/m; $\varepsilon_r$ = 46.256; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(4.26, 4.26, 4.26); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2014/11/13
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1542
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch151/Area Scan (101x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.191 W/kg

**Configuration/Ch151/Zoom Scan (9x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 4.033 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.203 W/kg
**SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.013 W/kg**
Maximum value of SAR (measured) = 0.103 W/kg




0 dB = 0.103 W/kg = -9.87 dBW/kg