# Appendix A. Plots of System Performance Check

The plots are shown as follows.

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.11.01

**System Check_Body_750MHz_131101**

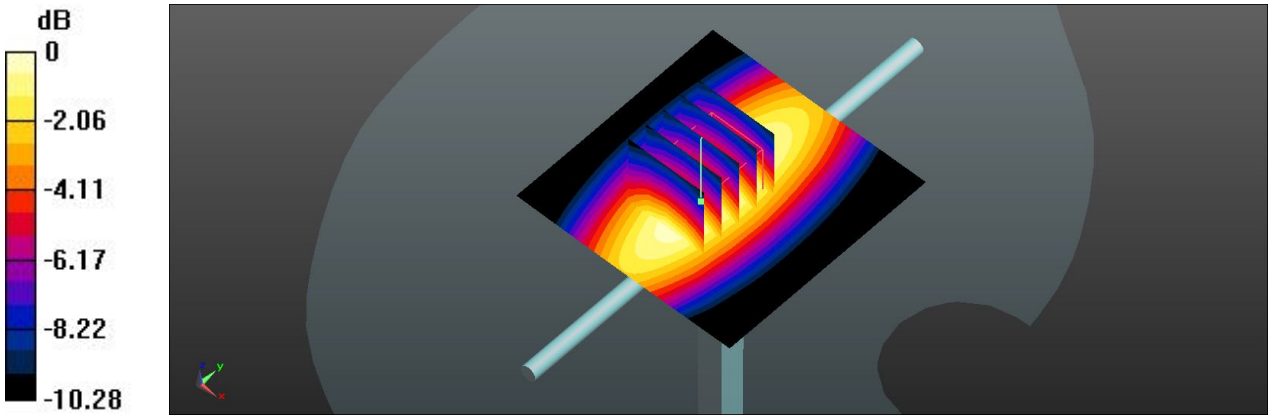
**DUT: D750V3 - SN: 1087**

Communication System: CW;Frequency: 750 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 750 MHz; $\sigma$ = 0.97 S/m; $\varepsilon_r$ = 54.642; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.64 W/kg

**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 52.676 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 3.05 W/kg
**SAR(1 g) = 2.09 W/kg; SAR(10 g) = 1.4 W/kg**
Maximum value of SAR (measured) = 2.60 W/kg




0 dB = 2.60 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.10.30

**System Check_Body_835MHz_131030**

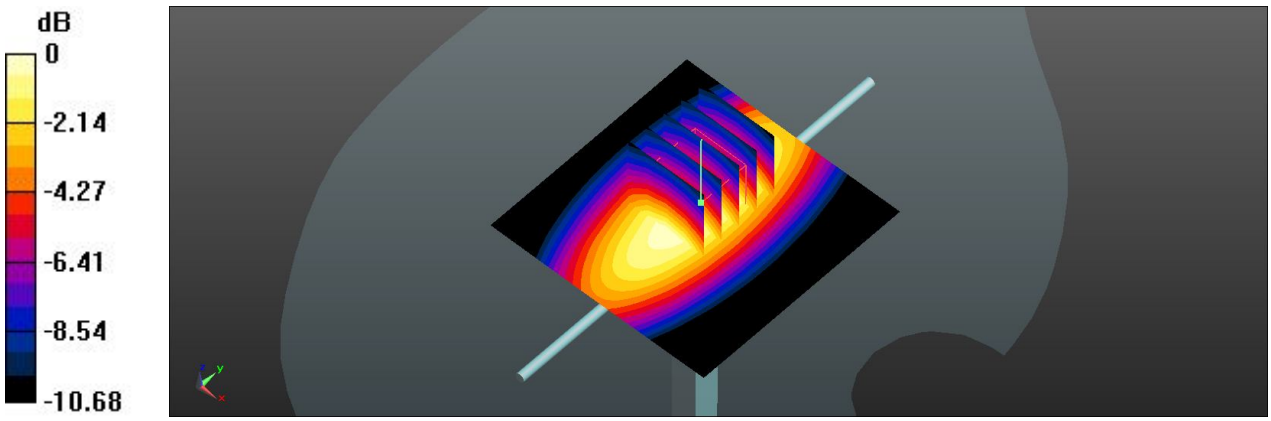
**DUT: D835V2 - SN: 4d151**

Communication System: CW;Frequency: 835 MHz;Duty Cycle: 1:1
Medium: MSL_835_131030 Medium parameters used: f = 835 MHz; $\sigma$ = 0.971 S/m; $\varepsilon_r$ = 56.304; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.99 W/kg

**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 55.746 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.51 W/kg
**SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.56 W/kg**
Maximum value of SAR (measured) = 2.99 W/kg




0 dB = 2.99 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.11.01

**System Check_Body_835MHz_131101**

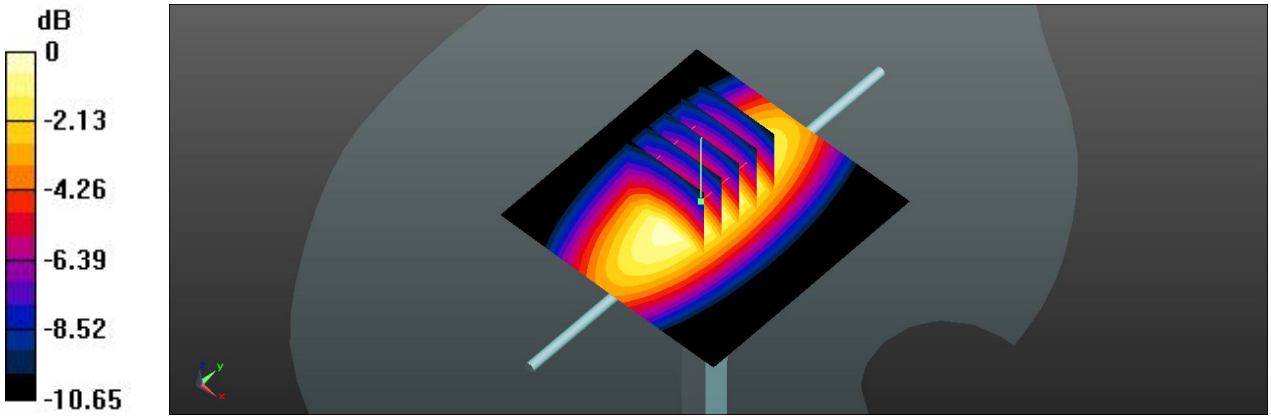
**DUT: D835V2 - SN: 4d151**

Communication System: CW;Frequency: 835 MHz;Duty Cycle: 1:1
Medium: MSL_835_131101 Medium parameters used: f = 835 MHz; $\sigma$ = 0.973 S/m; $\varepsilon_r$ = 54.082; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 3.09 W/kg

**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 56.712 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.64 W/kg
**SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.6 W/kg**
Maximum value of SAR (measured) = 3.08 W/kg




0 dB = 3.08 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.10.31

**System Check_Body_1750MHz_131031**

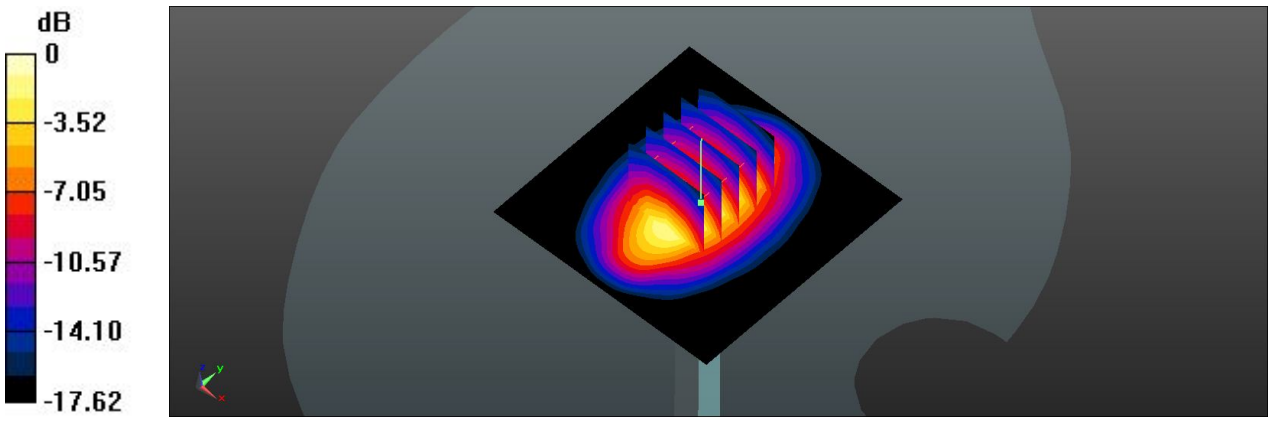
**DUT: D1750V2 - SN: 1090**

Communication System: CW;Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1750 MHz; $\sigma$ = 1.517 S/m; $\varepsilon_r$ = 55.044; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 12.9 W/kg

**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 93.556 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 16.3 W/kg
**SAR(1 g) = 9.08 W/kg; SAR(10 g) = 4.77 W/kg**
Maximum value of SAR (measured) = 13.0 W/kg




0 dB = 13.0 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.10.31

**System Check_Body_1900MHz_131031**

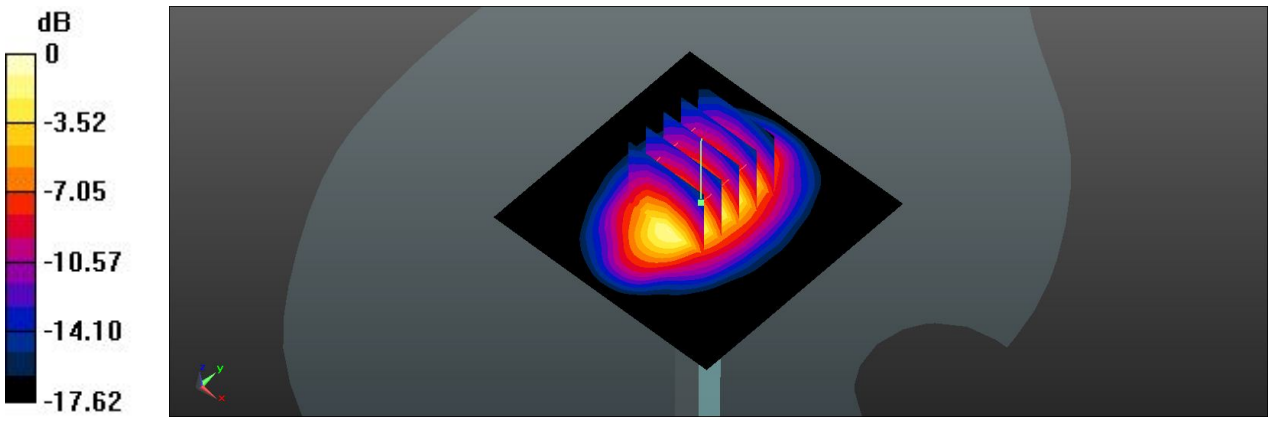
**DUT: D1900V2 - SN: 5d170**

Communication System: CW;Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131031 Medium parameters used: f = 1900 MHz; $\sigma$ = 1.535 S/m; $\varepsilon_r$ = 54.579; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 14.5 W/kg

**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 97.389 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 17.8 W/kg
**SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.46 W/kg**
Maximum value of SAR (measured) = 14.2 W/kg




0 dB = 14.2 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.11.04

**System Check_Body_2450MHz_131104**

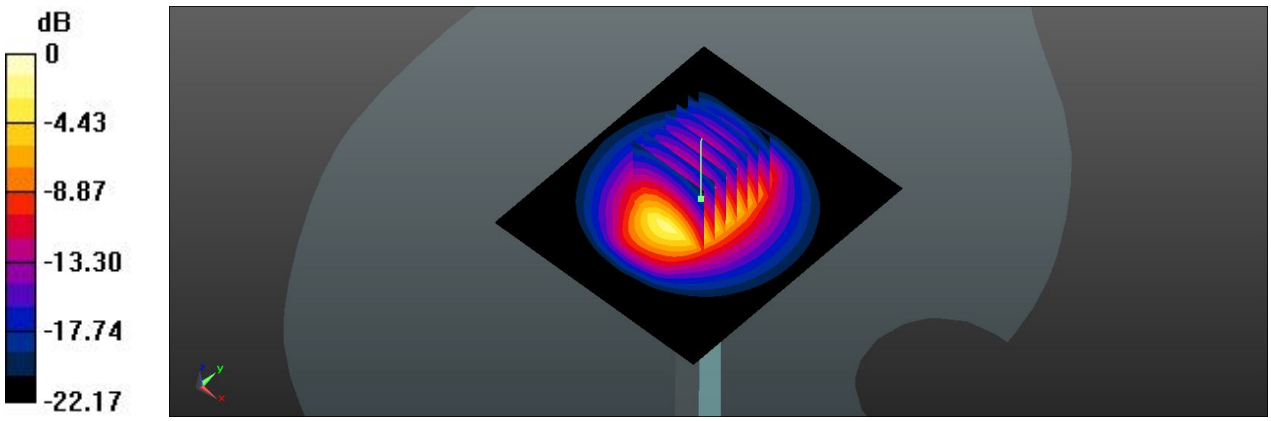
**DUT: D2450V2 - SN: 908**

Communication System: CW;Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: MSL_2450_131104 Medium parameters used: f = 2450 MHz; $\sigma$ = 1.937 S/m; $\varepsilon_r$ = 51.106; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.34, 7.34, 7.34); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Pin=250mW/Area Scan (71x81x1):** Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 19.0 W/kg

**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 98.577 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 25.0 W/kg
**SAR(1 g) = 12.2 W/kg; SAR(10 g) = 5.64 W/kg**
Maximum value of SAR (measured) = 18.5 W/kg




0 dB = 18.5 W/kg

# Appendix B. Plots of SAR Measurement

The plots are shown as follows.

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.10.30

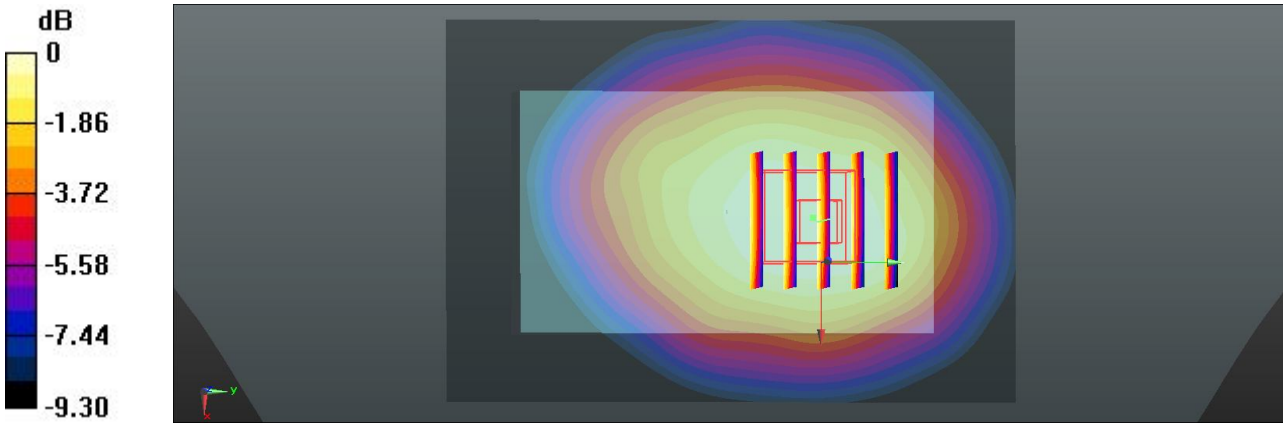
**01 CDMA2000 BC0_RTAP 153.6_Front_1Cm_Ch1013**

Communication System: CDMA2000;Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_835_131030 Medium parameters used: f = 825 MHz; $\sigma$ = 0.961 S/m; $\varepsilon_r$ = 56.389; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch1013/Area Scan (91x61x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.604 W/kg

**Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.418 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.657 W/kg
**SAR(1 g) = 0.508 W/kg; SAR(10 g) = 0.381 W/kg**
Maximum value of SAR (measured) = 0.578 W/kg




0 dB = 0.578 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.10.30

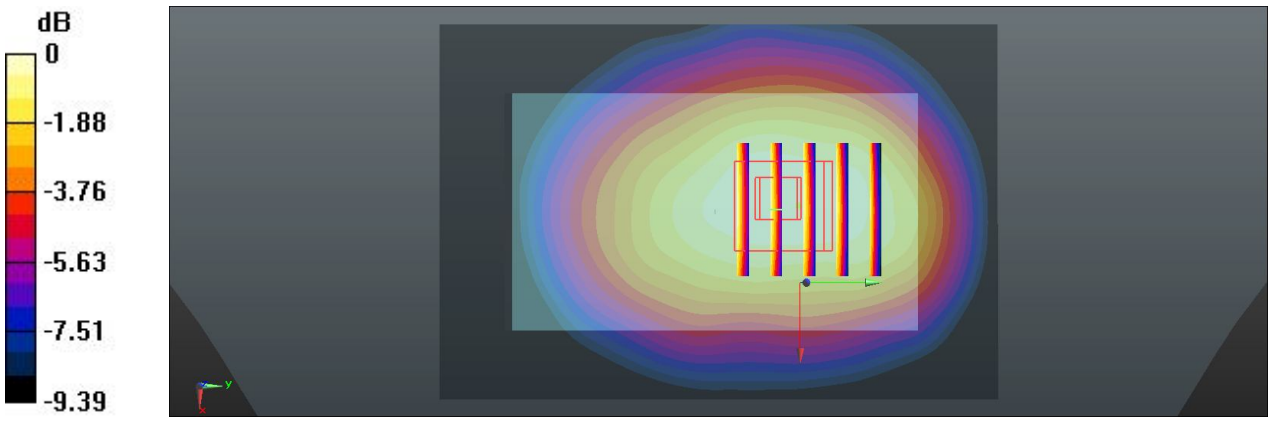
**02 CDMA2000 BC0_RTAP 153.6_Back_1Cm_Ch1013**

Communication System: CDMA2000;Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_835_131030 Medium parameters used: f = 825 MHz; $\sigma$ = 0.961 S/m; $\varepsilon_r$ = 56.389; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch1013/Area Scan (91x61x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.617 W/kg

**Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.502 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.678 W/kg
**SAR(1 g) = 0.524 W/kg; SAR(10 g) = 0.388 W/kg**
Maximum value of SAR (measured) = 0.614 W/kg




0 dB = 0.614 W/kg

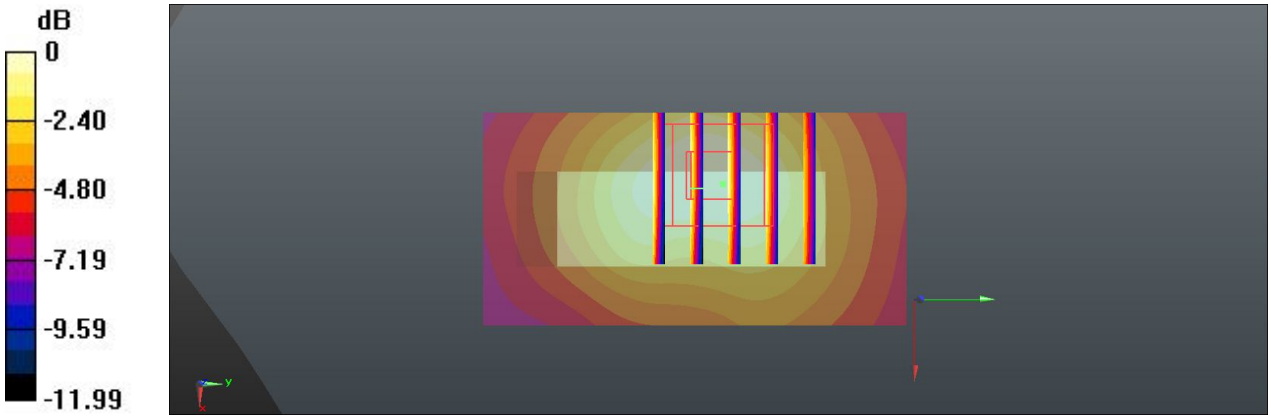
**03 CDMA2000 BC0_RTAP 153.6_Right Side_1Cm_Ch1013**

Communication System: CDMA2000;Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_835_131030 Medium parameters used: f = 825 MHz; $\sigma$ = 0.961 S/m; $\varepsilon_r$ = 56.389; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch1013/Area Scan (61x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.141 W/kg

**Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.911 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.172 W/kg
**SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.072 W/kg**
Maximum value of SAR (measured) = 0.141 W/kg




0 dB = 0.141 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.10.30

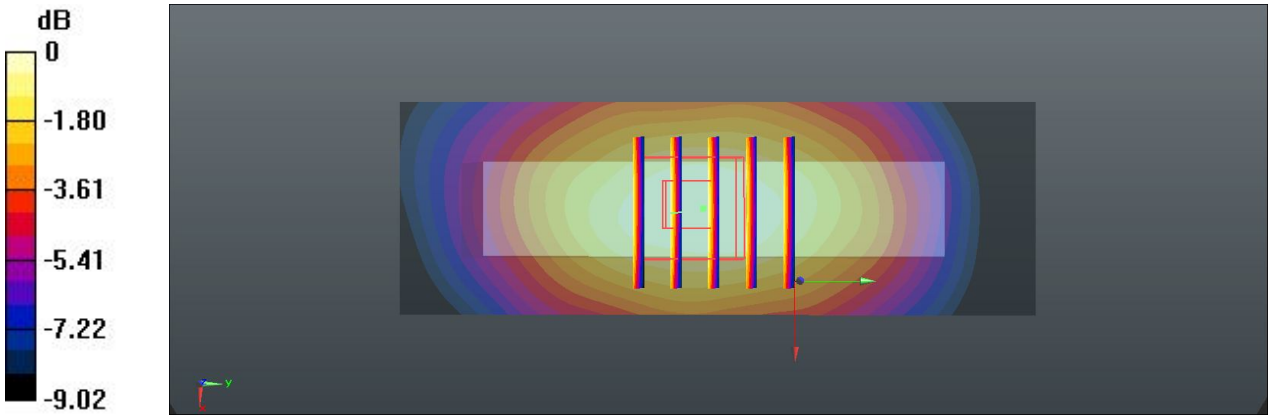
**04 CDMA2000 BC0_RTAP 153.6_Bottom Side_1Cm_Ch1013**

Communication System: CDMA2000;Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_835_131030 Medium parameters used: f = 825 MHz; $\sigma$ = 0.961 S/m; $\varepsilon_r$ = 56.389; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch1013/Area Scan (91x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.374 W/kg

**Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.328 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.423 W/kg
**SAR(1 g) = 0.312 W/kg; SAR(10 g) = 0.220 W/kg**
Maximum value of SAR (measured) = 0.372 W/kg




0 dB = 0.372 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.10.30

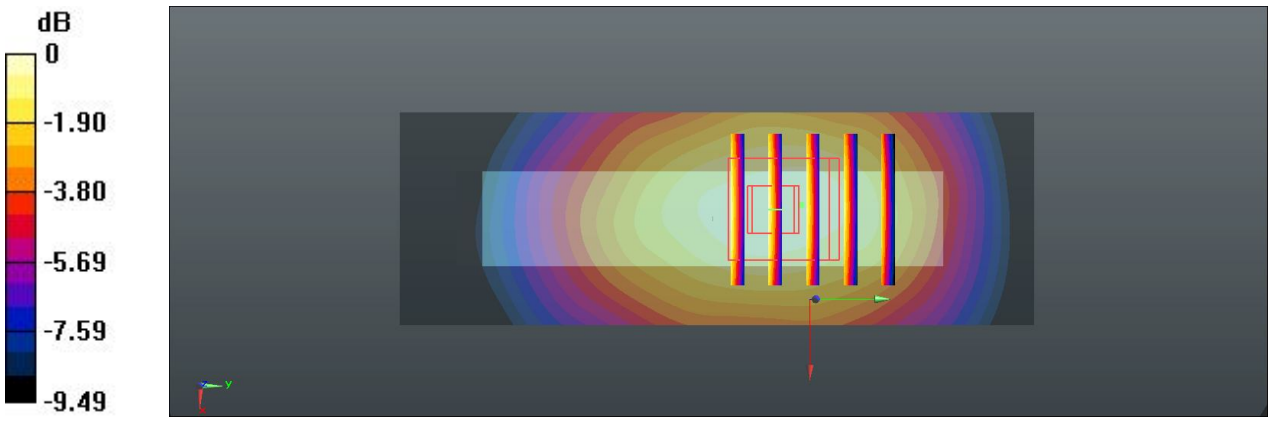
**05 CDMA2000 BC0_RTAP 153.6_Top Side_1Cm_Ch1013**

Communication System: CDMA2000;Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_835_131030 Medium parameters used: f = 825 MHz; $\sigma$ = 0.961 S/m; $\varepsilon_r$ = 56.389; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch1013/Area Scan (91x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.408 W/kg

**Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.568 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.470 W/kg
**SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.253 W/kg**
Maximum value of SAR (measured) = 0.420 W/kg




0 dB = 0.420 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.10.31

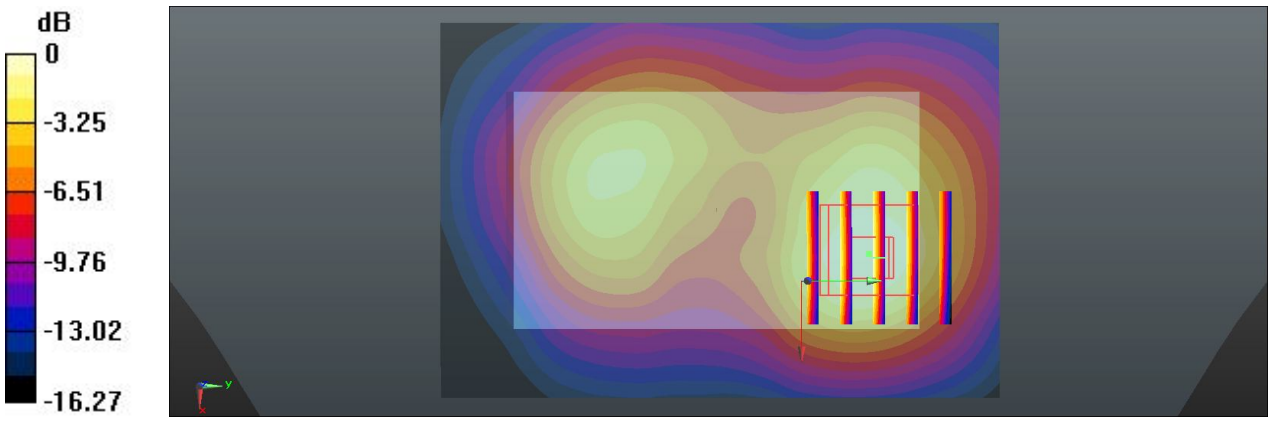
**06 CDMA2000 BC1_RTAP 153.6_Front_1Cm_Ch25**

Communication System: CDMA2000;Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131031 Medium parameters used: f = 1851.25 MHz; $\sigma$ = 1.474 S/m; $\varepsilon_r$ = 54.678; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch1/Area Scan (91x61x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.36 W/kg

**Ch1/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.489 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.48 W/kg
**SAR(1 g) = 0.938 W/kg; SAR(10 g) = 0.562 W/kg**
Maximum value of SAR (measured) = 1.25 W/kg




0 dB = 1.25 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.10.31

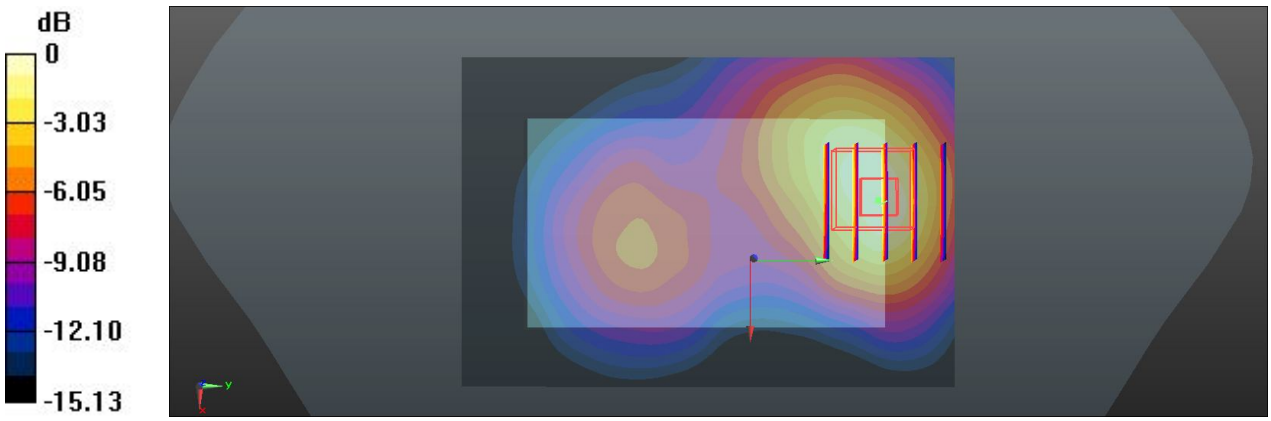
**07 CDMA2000 BC1_RTAP 153.6_Back_1Cm_Ch25**

Communication System: CDMA2000;Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131031 Medium parameters used: f = 1851.25 MHz; $\sigma$ = 1.474 S/m; $\varepsilon_r$ = 54.678; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch25/Area Scan (91x61x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.71 W/kg

**Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.011 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.07 W/kg
**SAR(1 g) = 1.31 W/kg; SAR(10 g) = 0.792 W/kg**
Maximum value of SAR (measured) = 1.72 W/kg




0 dB = 1.72 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.10.31

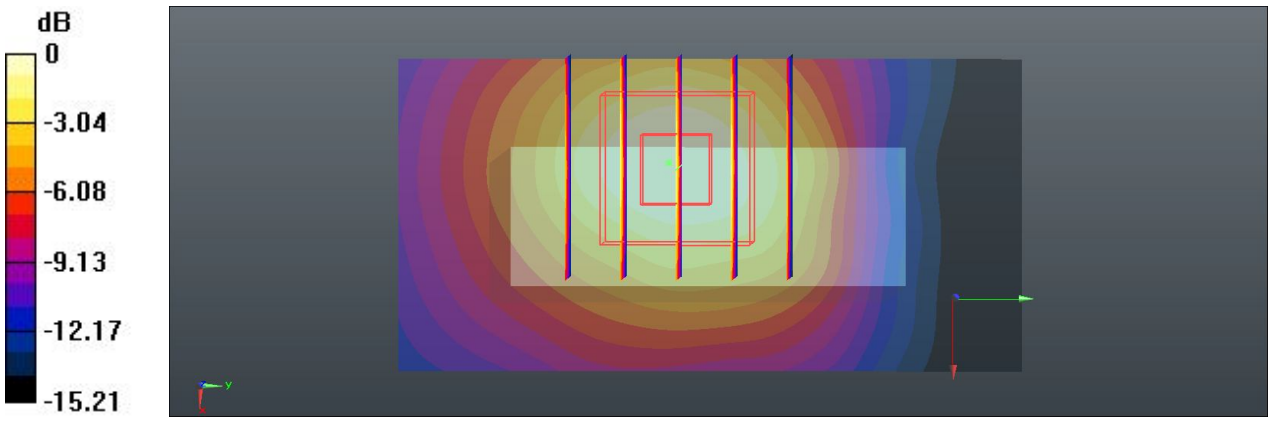
**08 CDMA2000 BC1_RTAP 153.6_Right Side_1Cm_Ch25**

Communication System: CDMA2000;Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131031 Medium parameters used: f = 1851.25 MHz; $\sigma$ = 1.474 S/m; $\varepsilon_r$ = 54.678; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch25/Area Scan (61x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.86 W/kg

**Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.933 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 2.08 W/kg
**SAR(1 g) = 1.36 W/kg; SAR(10 g) = 0.800 W/kg**
Maximum value of SAR (measured) = 1.76 W/kg




0 dB = 1.76 W/kg

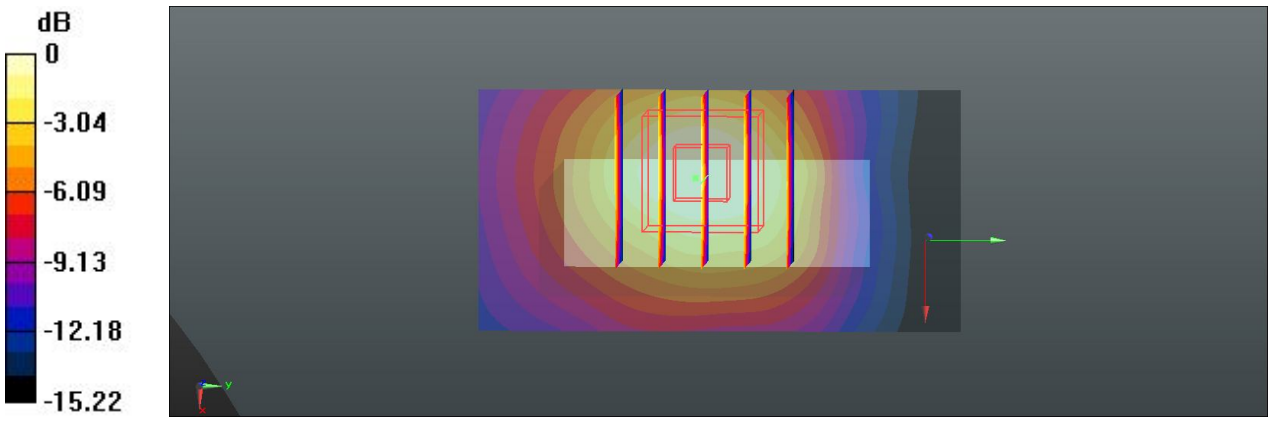
**17 CDMA2000 BC1_RTAP 153.6_Right Side_1Cm_Ch25_Repeat SAR**

Communication System: CDMA2000;Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131031 Medium parameters used: f = 1851.25 MHz; $\sigma$ = 1.474 S/m; $\varepsilon_r$ = 54.678; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch25/Area Scan (61x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.82 W/kg

**Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.780 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.02 W/kg
**SAR(1 g) = 1.35 W/kg; SAR(10 g) = 0.797 W/kg**
Maximum value of SAR (measured) = 1.72 W/kg




0 dB = 1.72 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.10.31

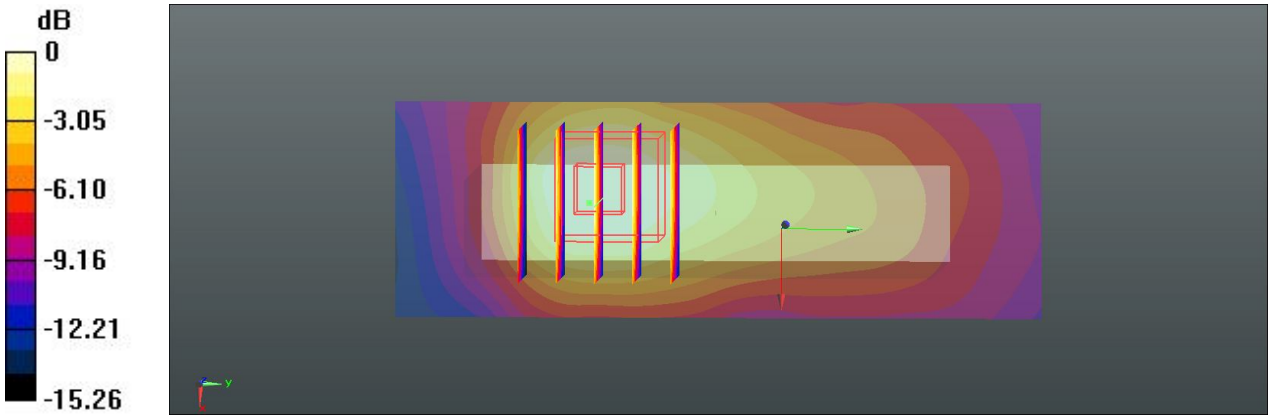
**09 CDMA2000 BC1_RTAP 153.6_Bottom Side_1Cm_Ch25**

Communication System: CDMA2000;Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131031 Medium parameters used: f = 1851.25 MHz; $\sigma$ = 1.474 S/m; $\varepsilon_r$ = 54.678; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch25/Area Scan (91x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.692 W/kg

**Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.986 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.788 W/kg
**SAR(1 g) = 0.520 W/kg; SAR(10 g) = 0.316 W/kg**
Maximum value of SAR (measured) = 0.655 W/kg




0 dB = 0.655 W/kg

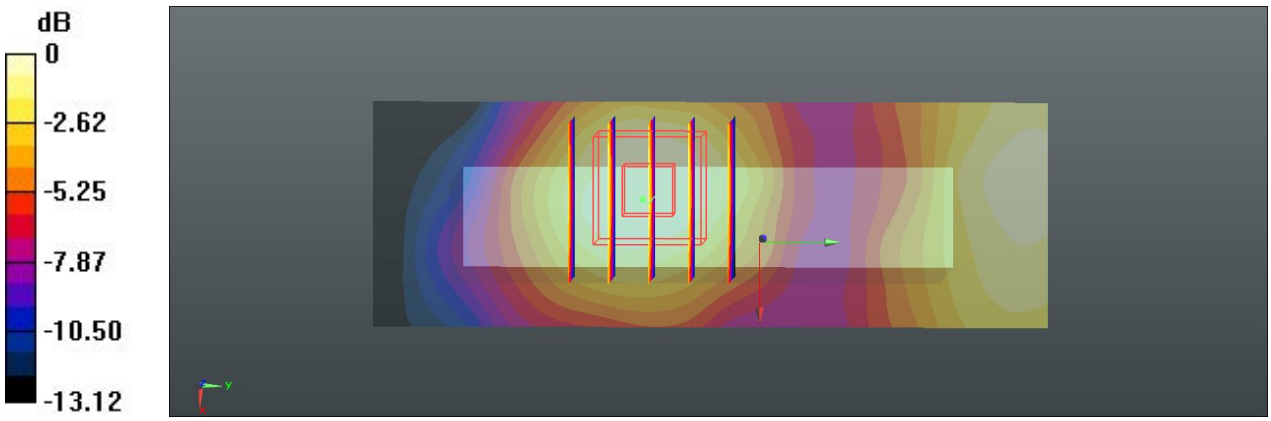
**10 CDMA2000 BC1_RTAP 153.6_Top Side_1Cm_Ch25**

Communication System: CDMA2000;Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131031 Medium parameters used: f = 1851.25 MHz; $\sigma$ = 1.474 S/m; $\varepsilon_r$ = 54.678; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch25/Area Scan (91x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.249 W/kg

**Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.869 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.261 W/kg
**SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.113 W/kg**
Maximum value of SAR (measured) = 0.217 W/kg




0 dB = 0.217 W/kg

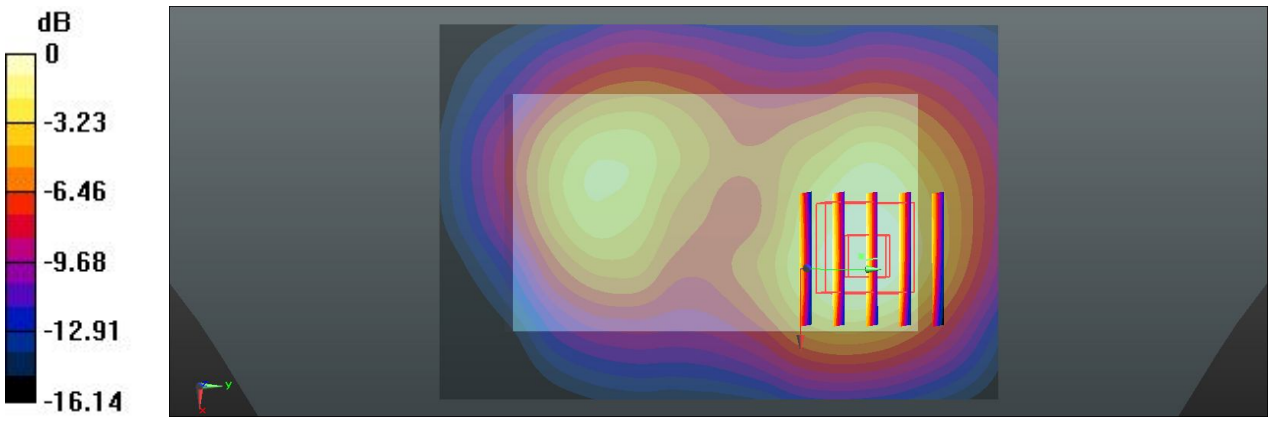
**11 CDMA2000 BC1_RTAP 153.6_Front_1Cm_Ch600**

Communication System: CDMA2000;Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131031 Medium parameters used: f = 1880 MHz; $\sigma$ = 1.513 S/m; $\varepsilon_r$ = 54.609; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch600/Area Scan (91x61x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.22 W/kg

**Ch600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.750 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.33 W/kg
**SAR(1 g) = 0.841 W/kg; SAR(10 g) = 0.509 W/kg**
Maximum value of SAR (measured) = 1.12 W/kg




0 dB = 1.12 W/kg

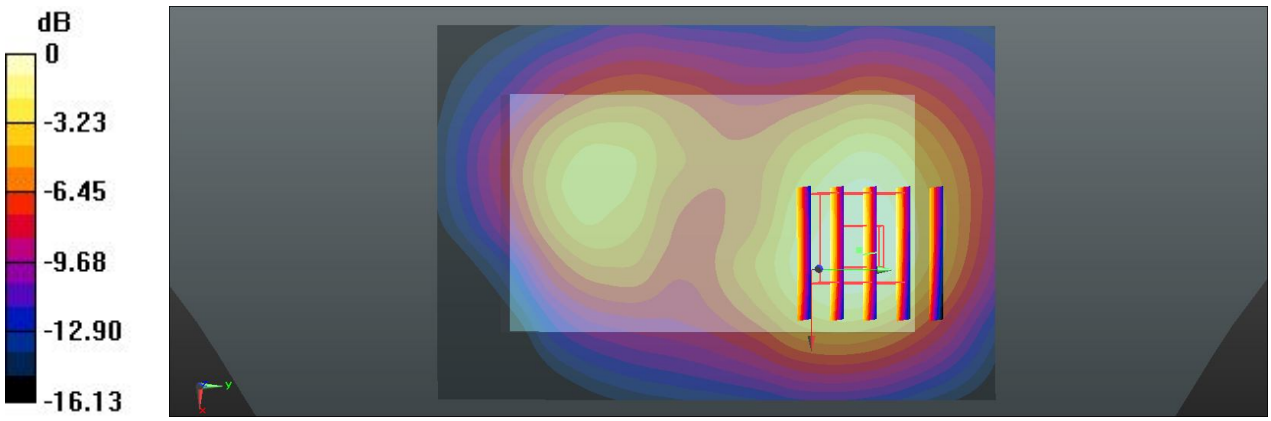
**12 CDMA2000 BC1_RTAP 153.6_Front_1Cm_Ch1175**

Communication System: CDMA2000;Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131031 Medium parameters used: f = 1909 MHz; $\sigma$ = 1.543 S/m; $\varepsilon_r$ = 54.562; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch1175/Area Scan (91x61x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.09 W/kg

**Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.283 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.22 W/kg
**SAR(1 g) = 0.767 W/kg; SAR(10 g) = 0.473 W/kg**
Maximum value of SAR (measured) = 1.01 W/kg




0 dB = 1.01 W/kg

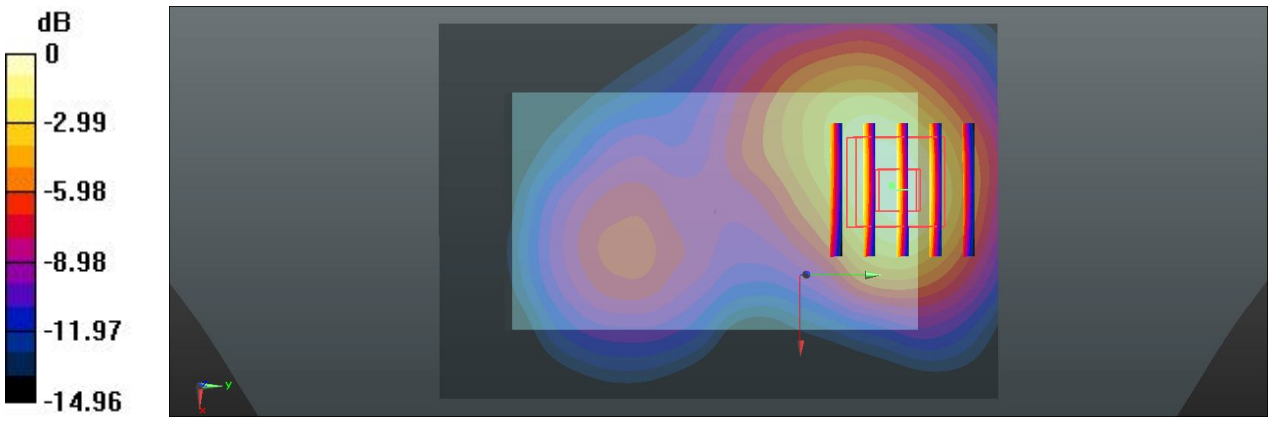
**13 CDMA2000 BC1_RTAP 153.6_Back_1Cm_Ch600**

Communication System: CDMA2000;Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131031 Medium parameters used: f = 1880 MHz; $\sigma$ = 1.513 S/m; $\varepsilon_r$ = 54.609; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch600/Area Scan (91x61x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.50 W/kg

**Ch600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.101 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.84 W/kg
**SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.689 W/kg**
Maximum value of SAR (measured) = 1.56 W/kg




0 dB = 1.56 W/kg

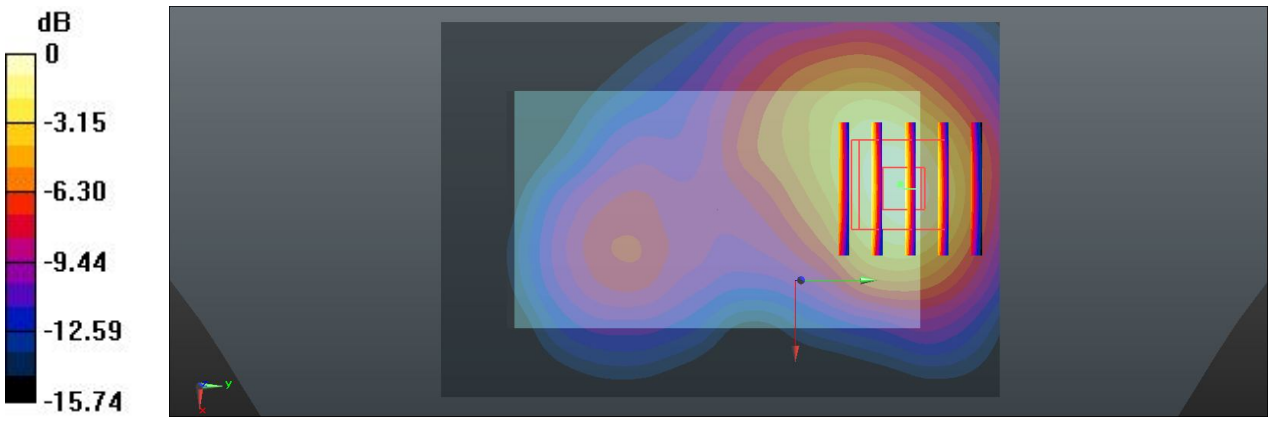
**14 CDMA2000 BC1_RTAP 153.6_Back_1Cm_Ch1175**

Communication System: CDMA2000;Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131031 Medium parameters used: f = 1909 MHz; $\sigma$ = 1.543 S/m; $\varepsilon_r$ = 54.562; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch1175/Area Scan (91x61x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.53 W/kg

**Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.832 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.90 W/kg
**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.687 W/kg**
Maximum value of SAR (measured) = 1.59 W/kg




0 dB = 1.59 W/kg

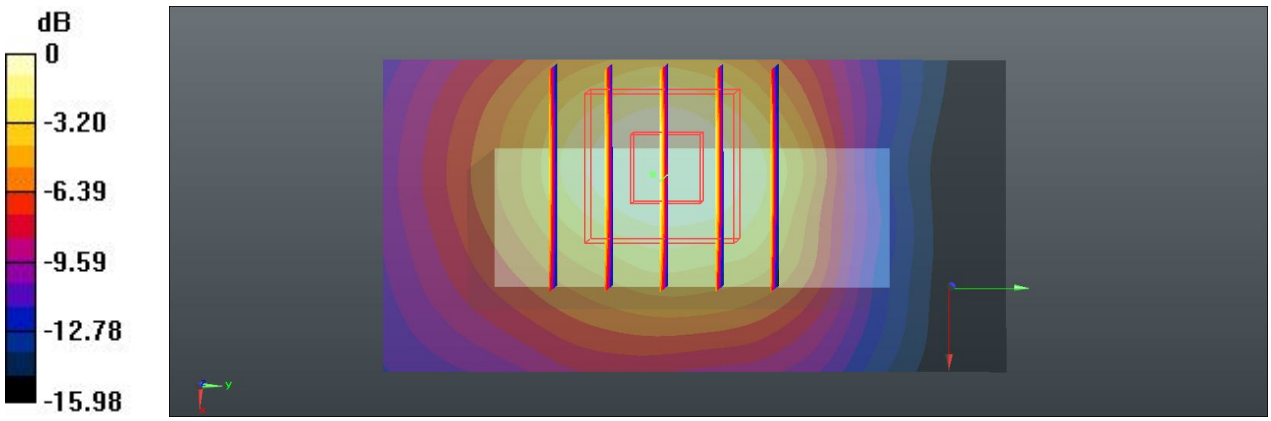
**15 CDMA2000 BC1_RTAP 153.6_Right Side_1Cm_Ch600**

Communication System: CDMA2000;Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131031 Medium parameters used: f = 1880 MHz; $\sigma$ = 1.513 S/m; $\varepsilon_r$ = 54.609; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch600/Area Scan (61x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.51 W/kg

**Ch600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.002 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.75 W/kg
**SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.642 W/kg**
Maximum value of SAR (measured) = 1.45 W/kg




0 dB = 1.45 W/kg

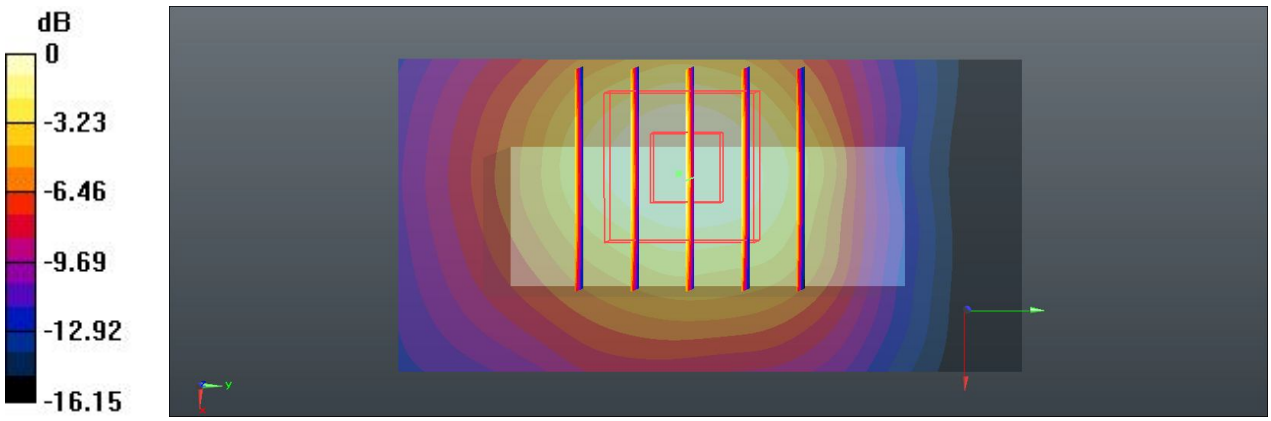
**16 CDMA2000 BC1_RTAP 153.6_Right Side_1Cm_Ch1175**

Communication System: CDMA2000;Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131031 Medium parameters used: f = 1909 MHz; $\sigma$ = 1.543 S/m; $\varepsilon_r$ = 54.562; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch1175/Area Scan (61x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.60 W/kg

**Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.503 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.82 W/kg
**SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.679 W/kg**
Maximum value of SAR (measured) = 1.51 W/kg




0 dB = 1.51 W/kg

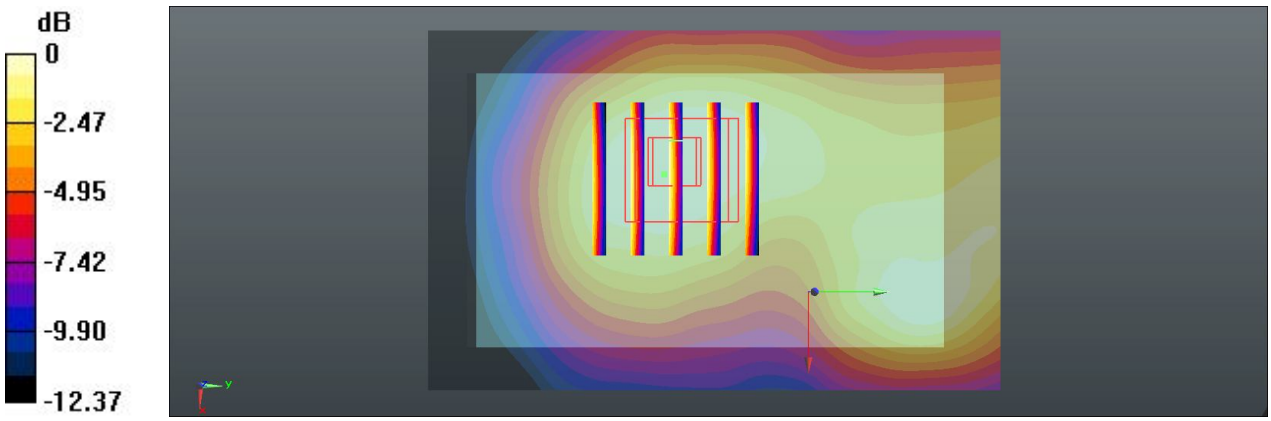
**18 LTE Band 4_20M_QPSK (1,0)_Front_1Cm_Ch20175**

Communication System: LTE;Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.498 S/m; $\varepsilon_r$ = 55.071; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20175/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.463 W/kg

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.894 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.500 W/kg
**SAR(1 g) = 0.352 W/kg; SAR(10 g) = 0.233 W/kg**
Maximum value of SAR (measured) = 0.421 W/kg




0 dB = 0.421 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.10.31

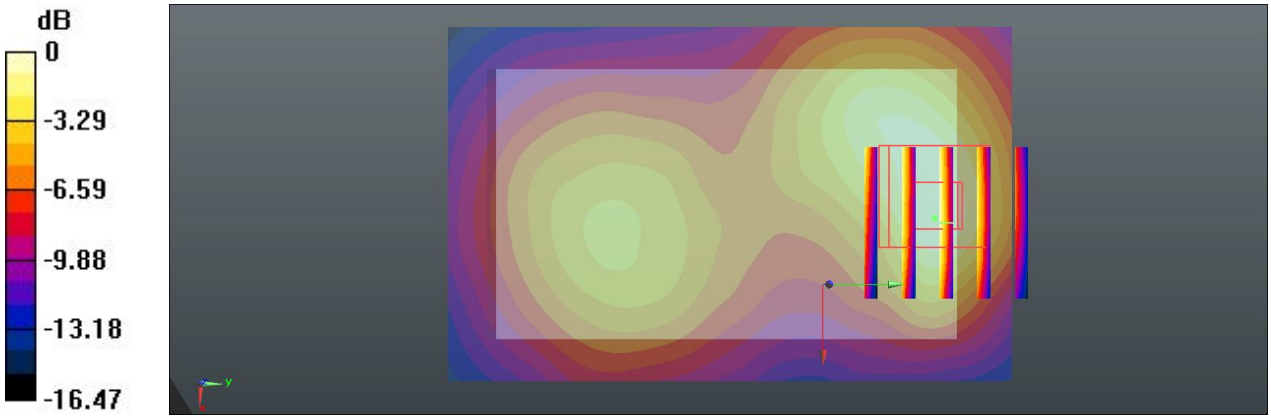
**19 LTE Band 4_20M_QPSK (1,0)_Back_1Cm_Ch20175**

Communication System: LTE;Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.498 S/m; $\varepsilon_r$ = 55.071; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20175/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.892 W/kg

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.346 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.05 W/kg
**SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.403 W/kg**
Maximum value of SAR (measured) = 0.873 W/kg




0 dB = 0.873 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.10.31

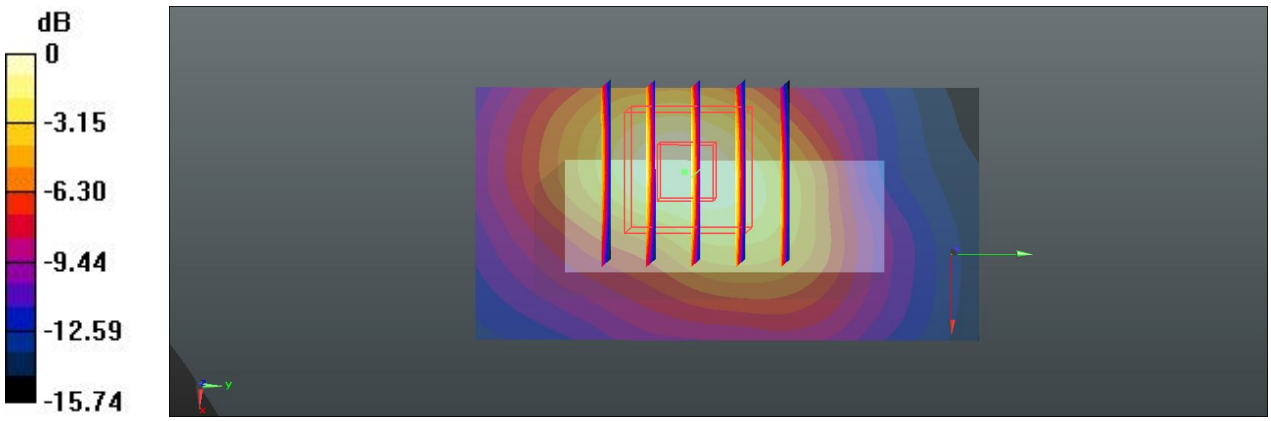
**20 LTE Band 4_20M_QPSK (1,0)_Right Side_1Cm_Ch20175**

Communication System: LTE;Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.498 S/m; $\varepsilon_r$ = 55.071; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20175/Area Scan (61x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.02 W/kg

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.395 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.19 W/kg
**SAR(1 g) = 0.763 W/kg; SAR(10 g) = 0.430 W/kg**
Maximum value of SAR (measured) = 1.02 W/kg




0 dB = 1.02 W/kg

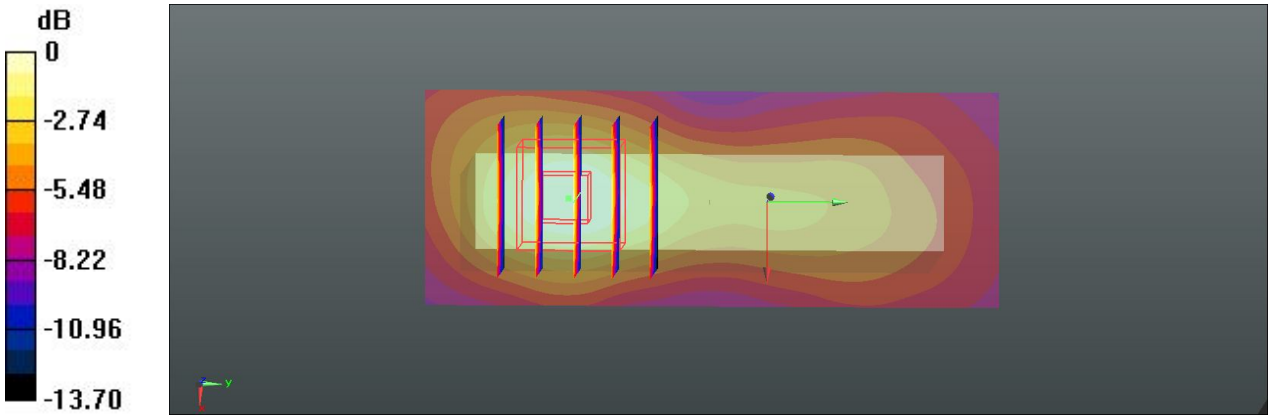
**21 LTE Band 4_20M_QPSK (1,0)_Bottom side_1Cm_Ch20175**

Communication System: LTE;Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.498 S/m; $\varepsilon_r$ = 55.071; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20175/Area Scan (81x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.185 W/kg

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.801 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.204 W/kg
**SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.076 W/kg**
Maximum value of SAR (measured) = 0.170 W/kg




0 dB = 0.170 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.10.31

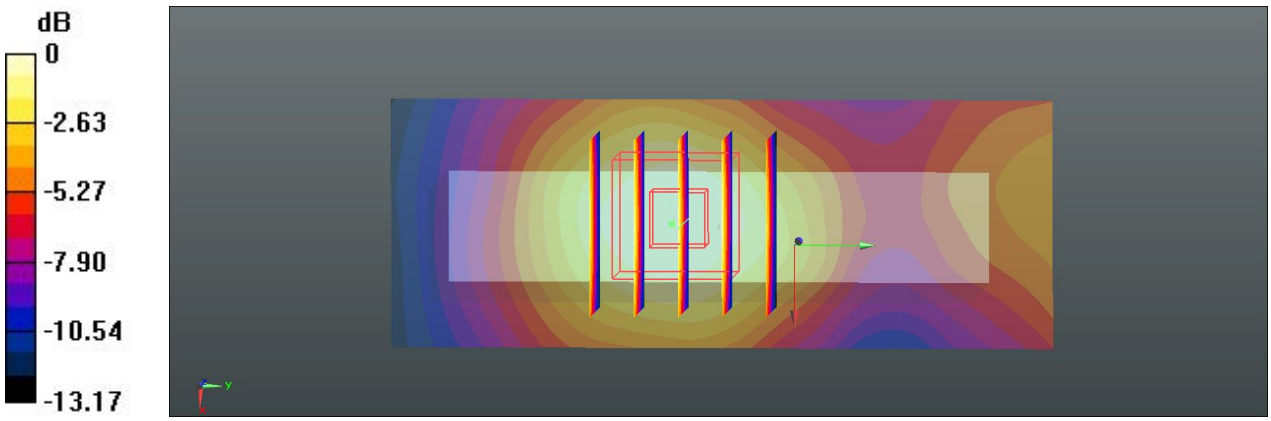
**22 LTE Band 4_20M_QPSK (1,0)_Top side_1Cm_Ch20175**

Communication System: LTE;Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.498 S/m; $\varepsilon_r$ = 55.071; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20175/Area Scan (81x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.242 W/kg

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.729 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.264 W/kg
**SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.110 W/kg**
Maximum value of SAR (measured) = 0.224 W/kg




0 dB = 0.224 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.10.31

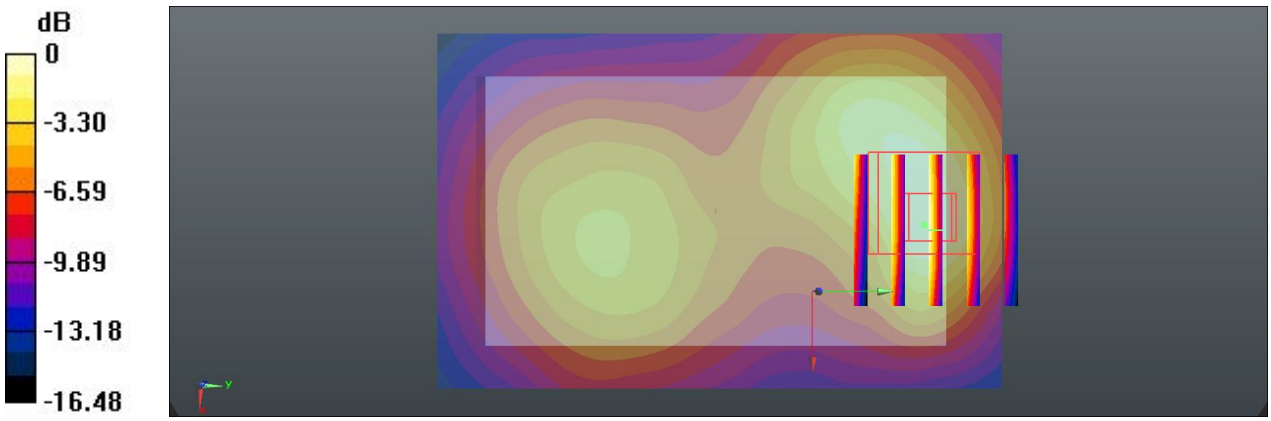
**23 LTE Band 4_20M_QPSK (1,0)_Back_1Cm_Ch20050**

Communication System: LTE;Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1720 MHz; $\sigma$ = 1.483 S/m; $\varepsilon_r$ = 55.096; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20050/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.33 W/kg

**Ch20050/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.153 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.53 W/kg
**SAR(1 g) = 0.977 W/kg; SAR(10 g) = 0.571 W/kg**
Maximum value of SAR (measured) = 1.32 W/kg




0 dB = 1.32 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.10.31

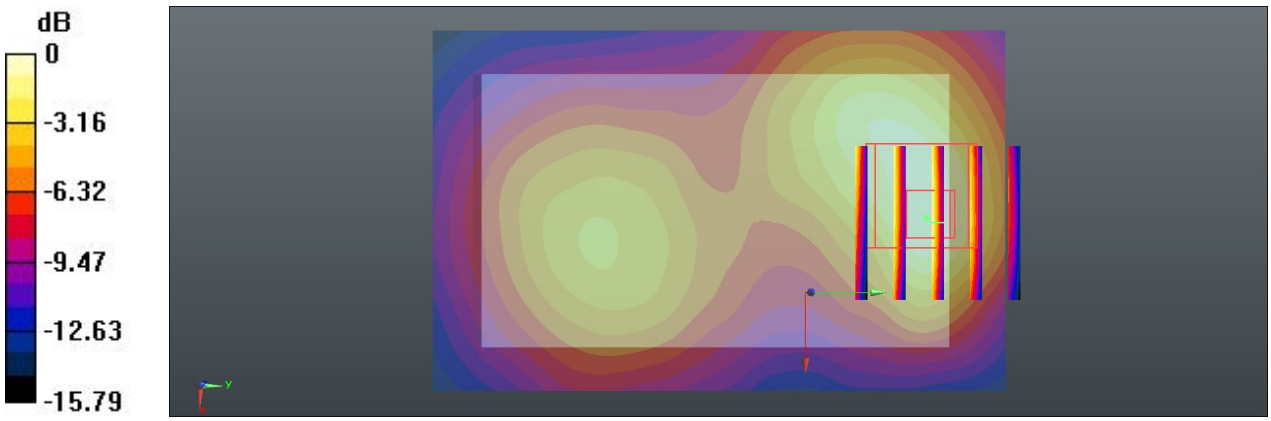
**24 LTE Band 4_20M_QPSK (1,0)_Back_1Cm_Ch20300**

Communication System: LTE;Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1745 MHz; $\sigma$ = 1.511 S/m; $\varepsilon_r$ = 55.051; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20300/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.870 W/kg

**Ch20300/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.108 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.00 W/kg
**SAR(1 g) = 0.634 W/kg; SAR(10 g) = 0.378 W/kg**
Maximum value of SAR (measured) = 0.856 W/kg




0 dB = 0.856 W/kg

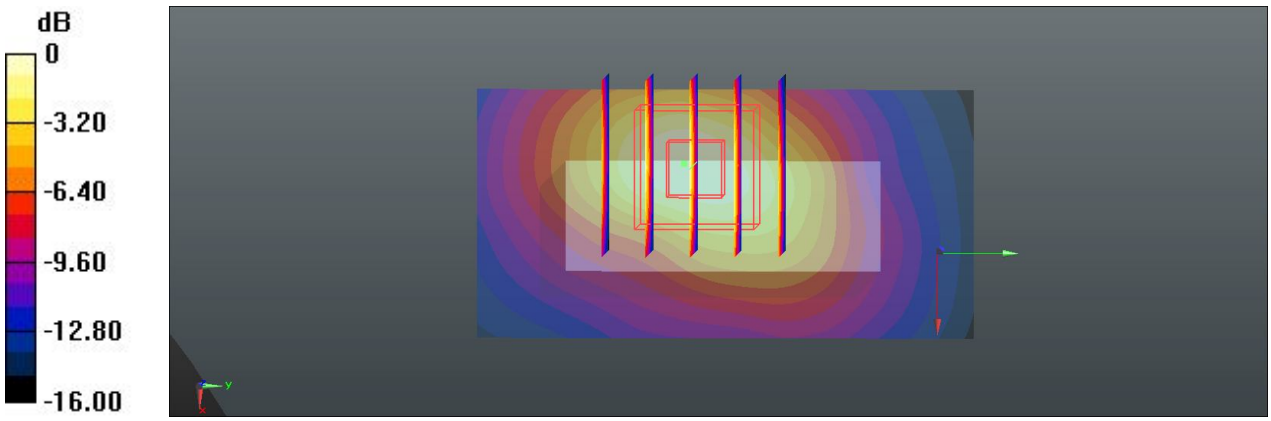
**25 LTE Band 4_20M_QPSK (1,0)_Right Side_1Cm_Ch20050**

Communication System: LTE;Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1720 MHz; $\sigma$ = 1.483 S/m; $\varepsilon_r$ = 55.096; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20050/Area Scan (61x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.42 W/kg

**Ch20050/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.755 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.65 W/kg
**SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.586 W/kg**
Maximum value of SAR (measured) = 1.41 W/kg




0 dB = 1.41 W/kg

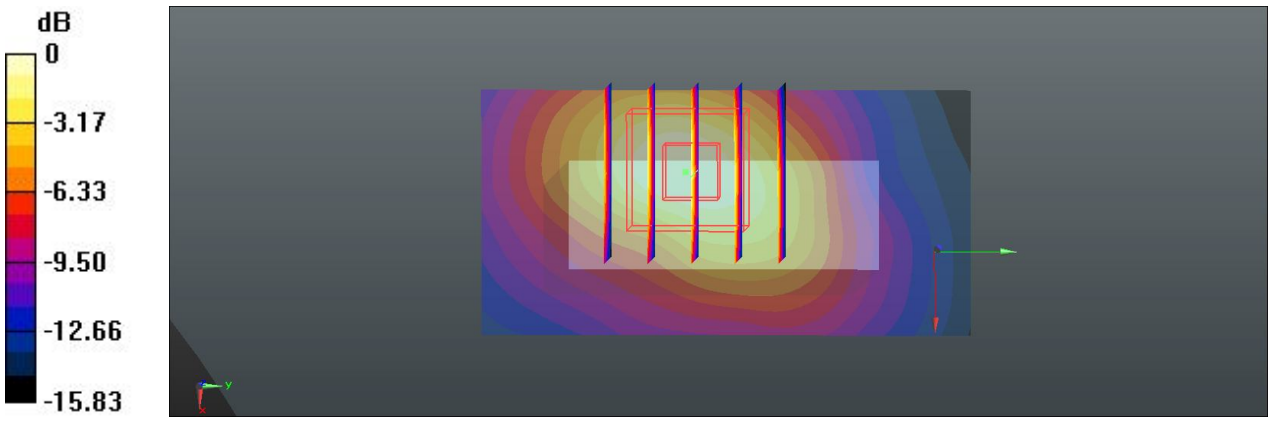
**41 LTE Band 4_20M_QPSK (1,0)_Right Side_1Cm_Ch20050_Repeat SAR**

Communication System: LTE;Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1720 MHz; $\sigma$ = 1.483 S/m; $\varepsilon_r$ = 55.096; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20050/Area Scan (61x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.38 W/kg

**Ch20050/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.841 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.62 W/kg
**SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.585 W/kg**
Maximum value of SAR (measured) = 1.36 W/kg




0 dB = 1.36 W/kg

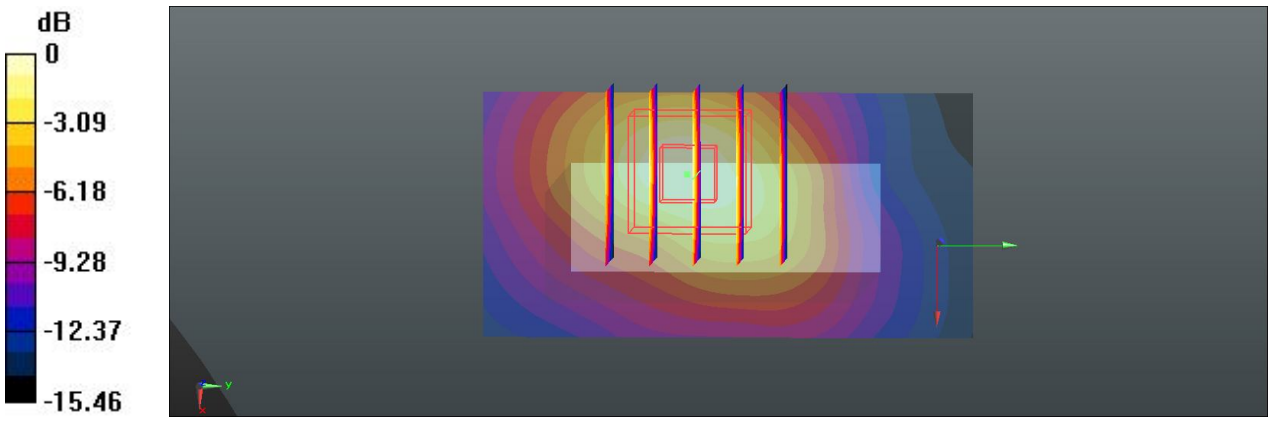
**26 LTE Band 4_20M_QPSK (1,0)_Right Side_1Cm_Ch20300**

Communication System: LTE;Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1745 MHz; $\sigma$ = 1.511 S/m; $\varepsilon_r$ = 55.051; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20300/Area Scan (61x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.963 W/kg

**Ch20300/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.034 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.17 W/kg
**SAR(1 g) = 0.758 W/kg; SAR(10 g) = 0.435 W/kg**
Maximum value of SAR (measured) = 0.983 W/kg




0 dB = 0.983 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.10.31

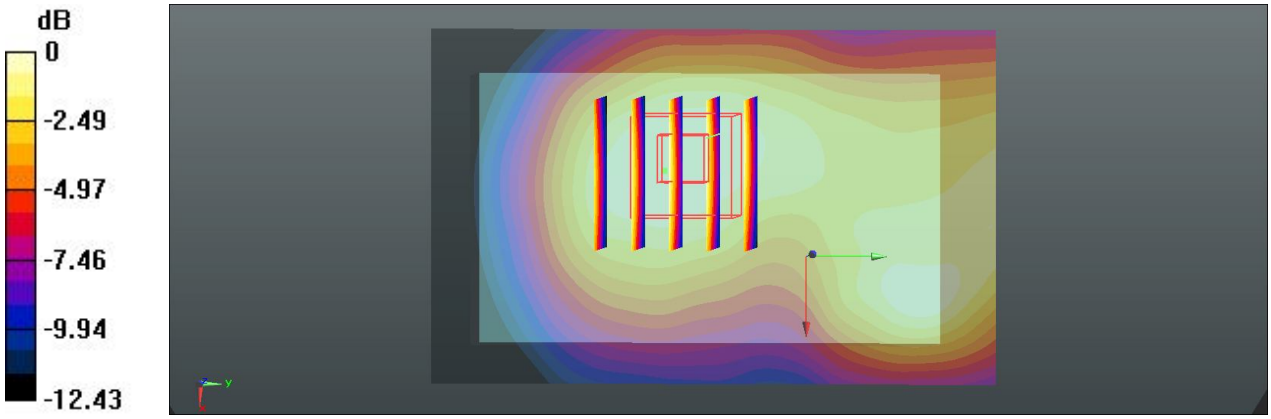
**27 LTE Band 4_20M_QPSK (50,0)_Front_1Cm_Ch20050**

Communication System: LTE;Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1720 MHz; $\sigma$ = 1.483 S/m; $\varepsilon_r$ = 55.096; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20050/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.429 W/kg

**Ch20050/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.630 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.479 W/kg
**SAR(1 g) = 0.336 W/kg; SAR(10 g) = 0.223 W/kg**
Maximum value of SAR (measured) = 0.403 W/kg




0 dB = 0.403 W/kg

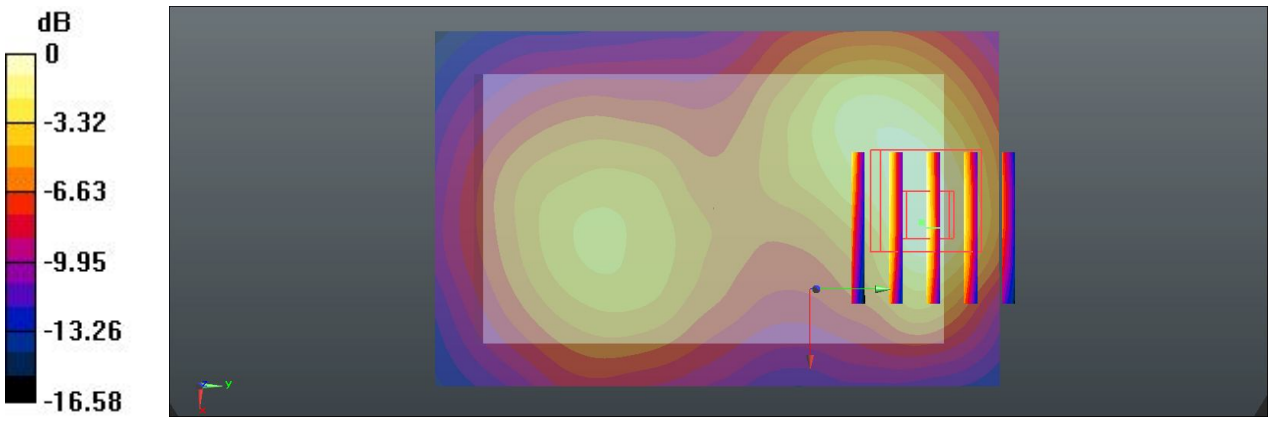
**28 LTE Band 4_20M_QPSK (50,0)_Back_1Cm_Ch20050**

Communication System: LTE;Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1720 MHz; $\sigma$ = 1.483 S/m; $\varepsilon_r$ = 55.096; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20050/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.869 W/kg

**Ch20050/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.302 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.02 W/kg
**SAR(1 g) = 0.653 W/kg; SAR(10 g) = 0.380 W/kg**
Maximum value of SAR (measured) = 0.852 W/kg




0 dB = 0.852 W/kg

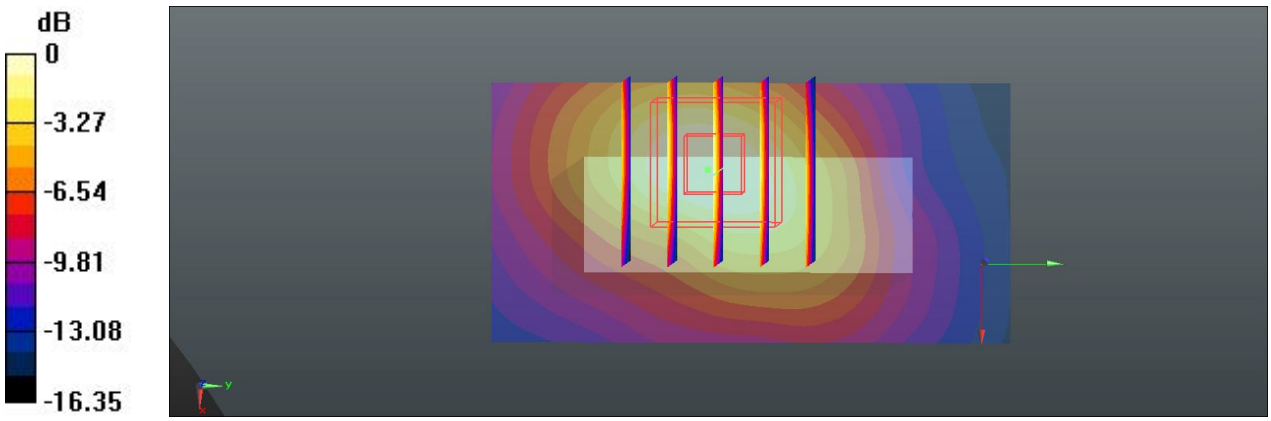
**29 LTE Band 4_20M_QPSK (50,0)_Right Side_1Cm_Ch20050**

Communication System: LTE;Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1720 MHz; $\sigma$ = 1.483 S/m; $\varepsilon_r$ = 55.096; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20050/Area Scan (61x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.978 W/kg

**Ch20050/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.392 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.12 W/kg
**SAR(1 g) = 0.718 W/kg; SAR(10 g) = 0.404 W/kg**
Maximum value of SAR (measured) = 0.924 W/kg




0 dB = 0.924 W/kg

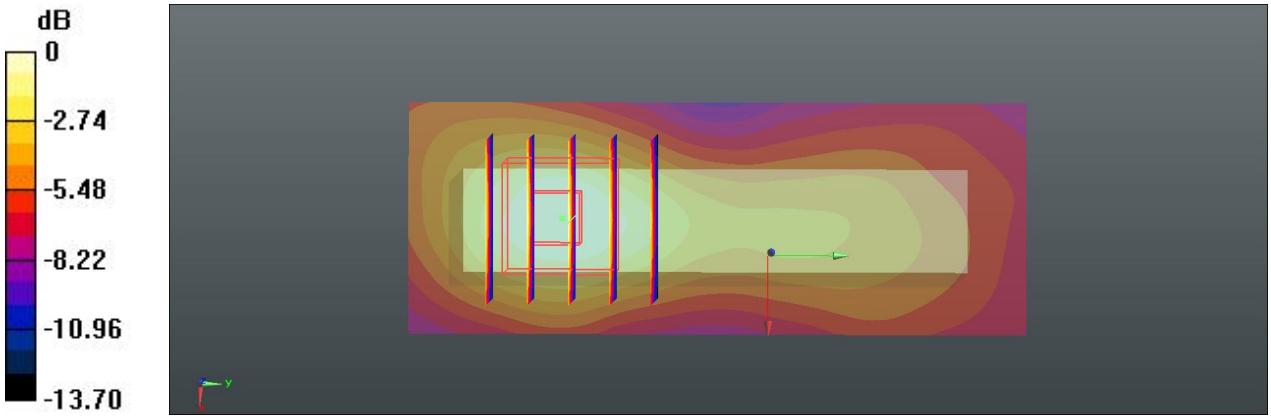
**30 LTE Band 4_20M_QPSK (50,0)_Bottom side_1Cm_Ch20050**

Communication System: LTE;Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1720 MHz; $\sigma$ = 1.483 S/m; $\varepsilon_r$ = 55.096; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20050/Area Scan (81x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.160 W/kg

**Ch20050/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.296 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.177 W/kg
**SAR(1 g) = 0.115 W/kg; SAR(10 g) = 0.068 W/kg**
Maximum value of SAR (measured) = 0.145 W/kg




0 dB = 0.145 W/kg

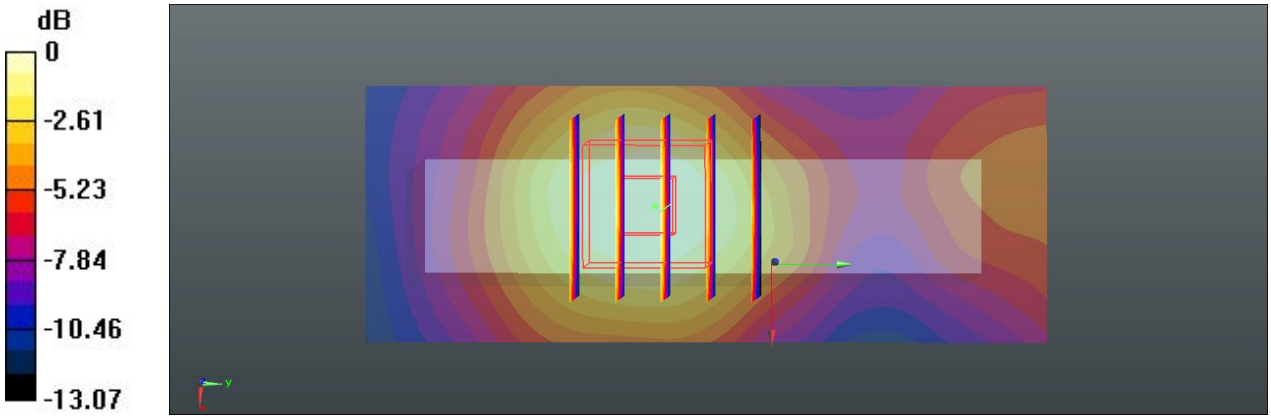
**31 LTE Band 4_20M_QPSK (50,0)_Top side_1Cm_Ch20050**

Communication System: LTE;Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1720 MHz; $\sigma$ = 1.483 S/m; $\varepsilon_r$ = 55.096; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20050/Area Scan (81x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.250 W/kg

**Ch20050/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.530 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.270 W/kg
**SAR(1 g) = 0.183 W/kg; SAR(10 g) = 0.115 W/kg**
Maximum value of SAR (measured) = 0.232 W/kg




0 dB = 0.232 W/kg

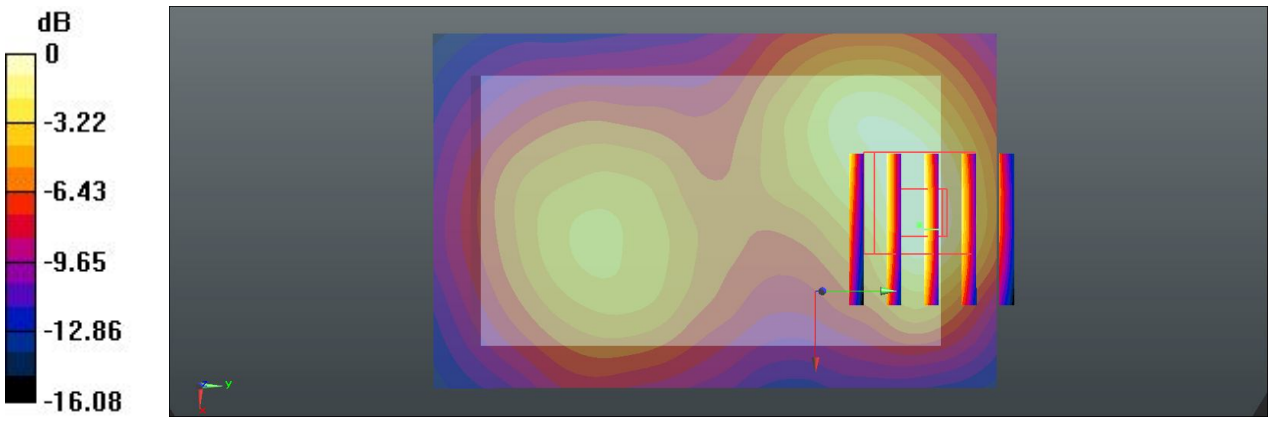
**32 LTE Band 4_20M_QPSK (50,0)_Back_1Cm_Ch20175**

Communication System: LTE;Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.498 S/m; $\varepsilon_r$ = 55.071; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20175/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.615 W/kg

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.332 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.705 W/kg
**SAR(1 g) = 0.461 W/kg; SAR(10 g) = 0.272 W/kg**
Maximum value of SAR (measured) = 0.590 W/kg




0 dB = 0.590 W/kg

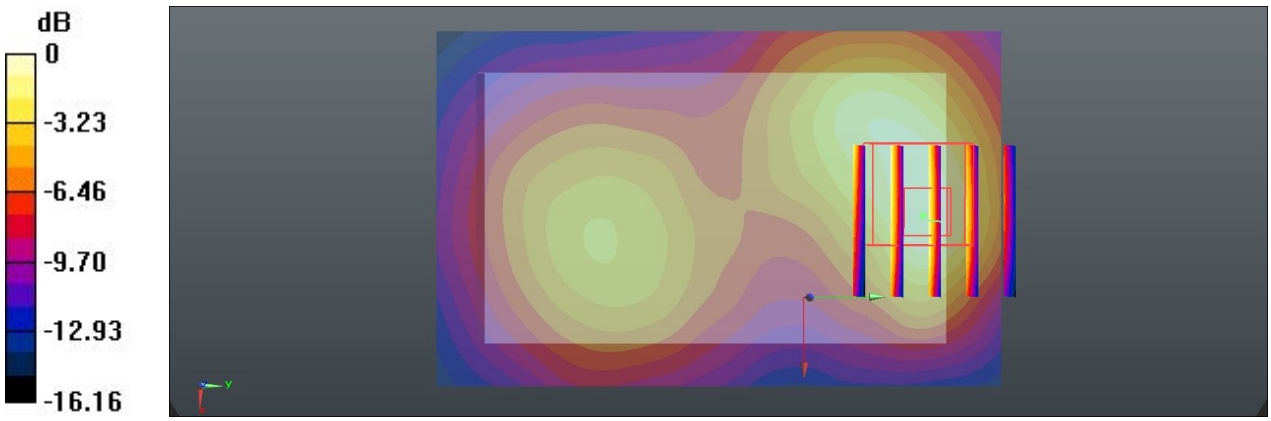
**33 LTE Band 4_20M_QPSK (50,0)_Back_1Cm_Ch20300**

Communication System: LTE;Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1745 MHz; $\sigma$ = 1.511 S/m; $\varepsilon_r$ = 55.051; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20300/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.722 W/kg

**Ch20300/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.042 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.856 W/kg
**SAR(1 g) = 0.540 W/kg; SAR(10 g) = 0.322 W/kg**
Maximum value of SAR (measured) = 0.730 W/kg




0 dB = 0.730 W/kg

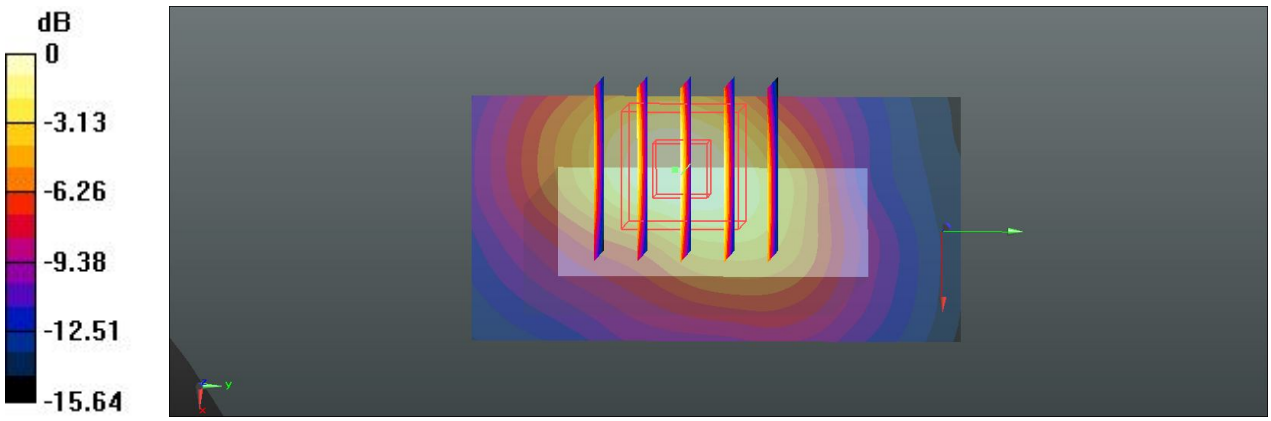
**34 LTE Band 4_20M_QPSK (50,0)_Right Side_1Cm_Ch20175**

Communication System: LTE;Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1732.5 MHz; $\sigma$ = 1.498 S/m; $\varepsilon_r$ = 55.071; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20175/Area Scan (61x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.760 W/kg

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.610 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.862 W/kg
**SAR(1 g) = 0.560 W/kg; SAR(10 g) = 0.317 W/kg**
Maximum value of SAR (measured) = 0.728 W/kg




0 dB = 0.728 W/kg

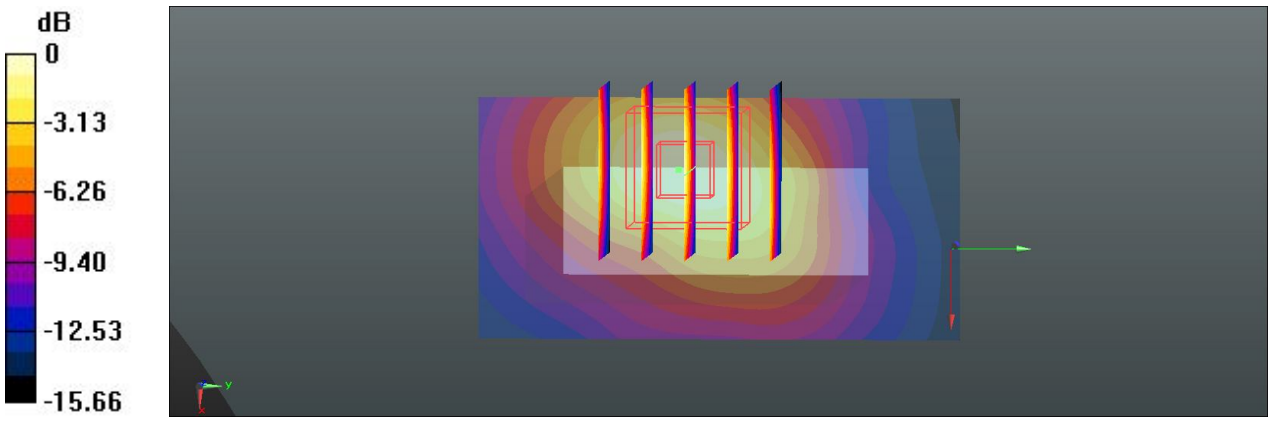
**35 LTE Band 4_20M_QPSK (50,0)_Right Side_1Cm_Ch20300**

Communication System: LTE;Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1745 MHz; $\sigma$ = 1.511 S/m; $\varepsilon_r$ = 55.051; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20300/Area Scan (61x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.859 W/kg

**Ch20300/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.793 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.02 W/kg
**SAR(1 g) = 0.625 W/kg; SAR(10 g) = 0.357 W/kg**
Maximum value of SAR (measured) = 0.844 W/kg




0 dB = 0.844 W/kg

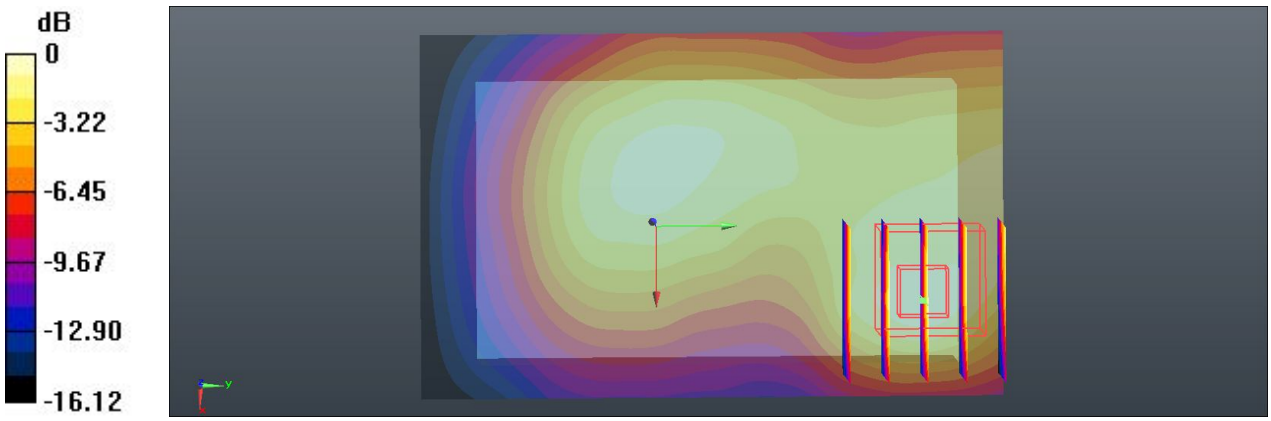
**36 LTE Band 4_20M_QPSK (100,0)_Front_1Cm_Ch20050**

Communication System: LTE;Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1720 MHz; $\sigma$ = 1.483 S/m; $\varepsilon_r$ = 55.096; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20050/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.361 W/kg

**Ch20050/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.420 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.470 W/kg
**SAR(1 g) = 0.269 W/kg; SAR(10 g) = 0.154 W/kg**
Maximum value of SAR (measured) = 0.358 W/kg




0 dB = 0.358 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.10.31

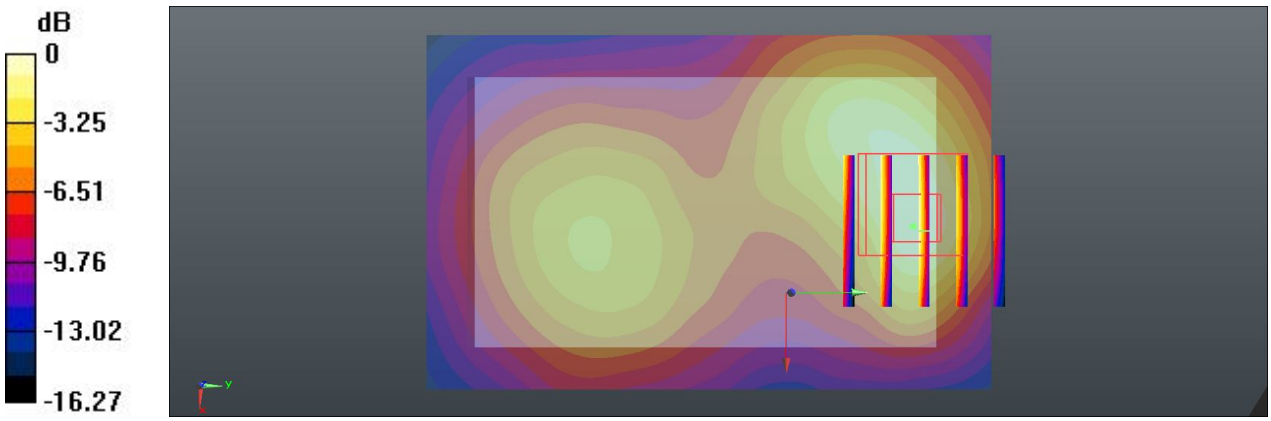
**37 LTE Band 4_20M_QPSK (100,0)_Back_1Cm_Ch20050**

Communication System: LTE;Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1720 MHz; $\sigma$ = 1.483 S/m; $\varepsilon_r$ = 55.096; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20050/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.702 W/kg

**Ch20050/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.117 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.809 W/kg
**SAR(1 g) = 0.534 W/kg; SAR(10 g) = 0.314 W/kg**
Maximum value of SAR (measured) = 0.691 W/kg




0 dB = 0.691 W/kg

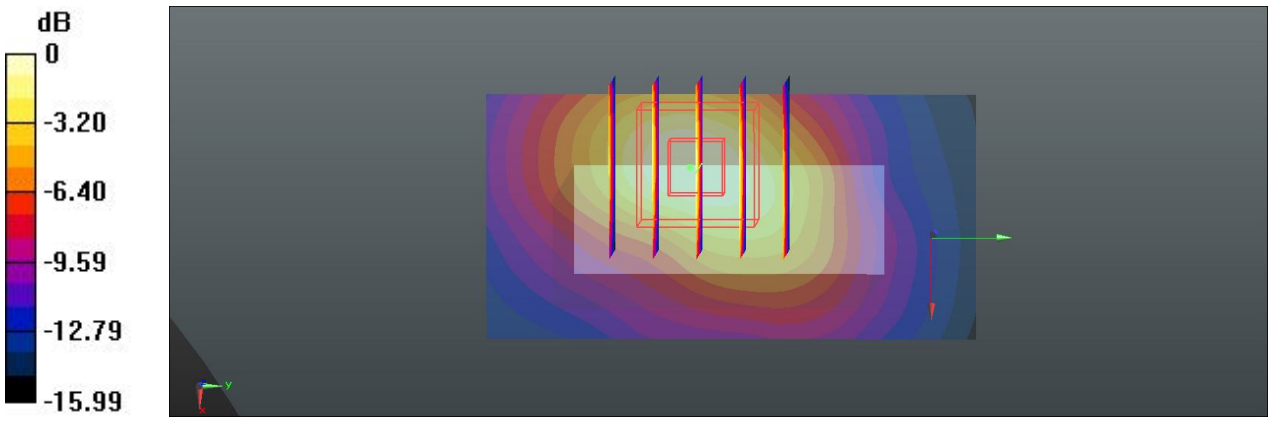
**38 LTE Band 4_20M_QPSK (100,0)_Right Side_1Cm_Ch20050**

Communication System: LTE;Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1720 MHz; $\sigma$ = 1.483 S/m; $\varepsilon_r$ = 55.096; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20050/Area Scan (61x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.843 W/kg

**Ch20050/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.976 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.975 W/kg
**SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.345 W/kg**
Maximum value of SAR (measured) = 0.828 W/kg




0 dB = 0.828 W/kg

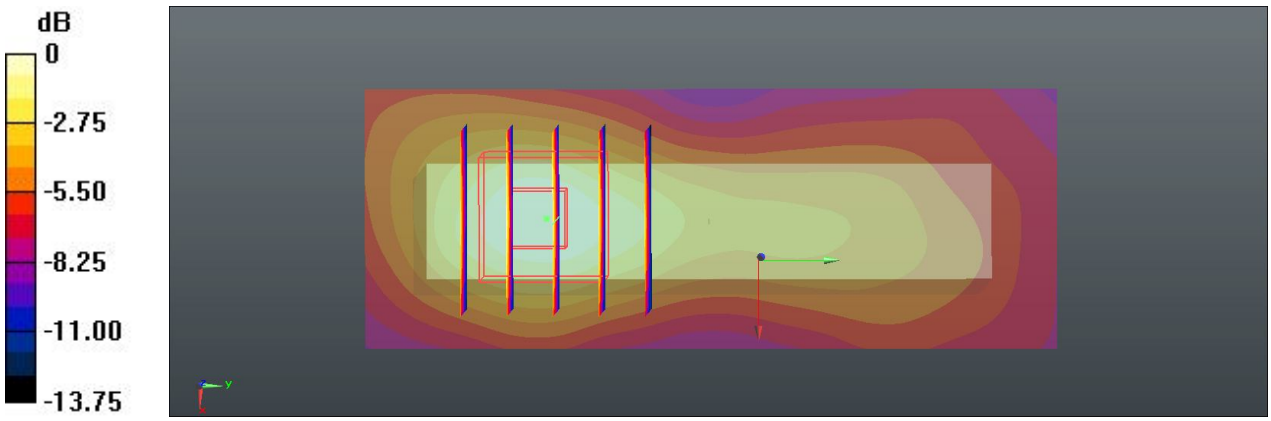
**39 LTE Band 4_20M_QPSK (100,0)_Bottom side_1Cm_Ch20050**

Communication System: LTE;Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1720 MHz; $\sigma$ = 1.483 S/m; $\varepsilon_r$ = 55.096; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20050/Area Scan (81x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.132 W/kg

**Ch20050/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.914 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.151 W/kg
**SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.056 W/kg**
Maximum value of SAR (measured) = 0.125 W/kg




0 dB = 0.125 W/kg

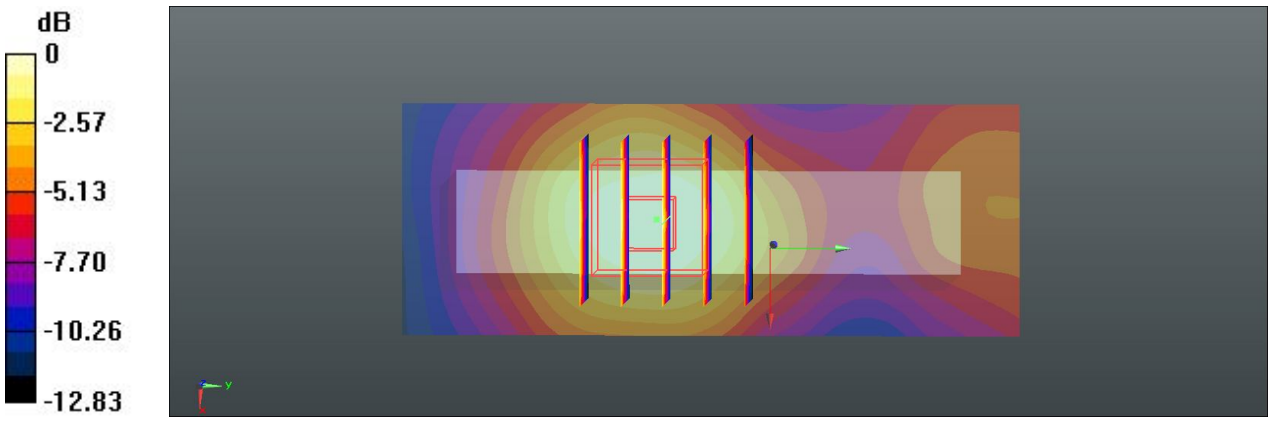
**40 LTE Band 4_20M_QPSK (100,0)_Top side_1Cm_Ch20050**

Communication System: LTE;Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1750_131031 Medium parameters used: f = 1720 MHz; $\sigma$ = 1.483 S/m; $\varepsilon_r$ = 55.096; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃；Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.17, 8.17, 8.17); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20050/Area Scan (81x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.193 W/kg

**Ch20050/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.207 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.214 W/kg
**SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.088 W/kg**
Maximum value of SAR (measured) = 0.179 W/kg




0 dB = 0.179 W/kg

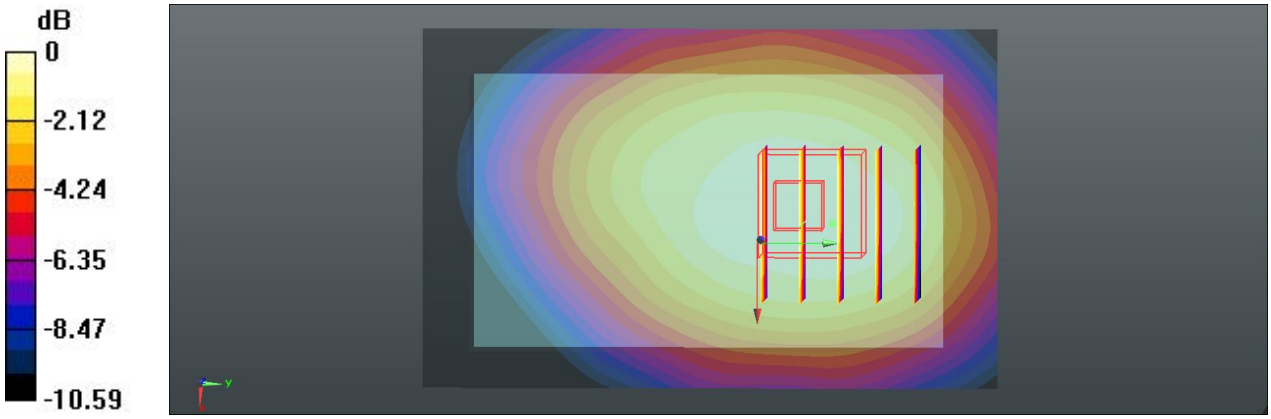
**62 LTE Band 5_10M_QPSK (1,0)_Front_1Cm_Ch20600**

Communication System: LTE;Frequency: 844 MHz;Duty Cycle: 1:1
Medium: MSL_835_131101 Medium parameters used: f = 844 MHz; $\sigma$ = 0.981 S/m; $\varepsilon_r$ = 54.006; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20600/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.789 W/kg

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.726 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.851 W/kg
**SAR(1 g) = 0.662 W/kg; SAR(10 g) = 0.493 W/kg**
Maximum value of SAR (measured) = 0.765 W/kg




0 dB = 0.765 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.11.01

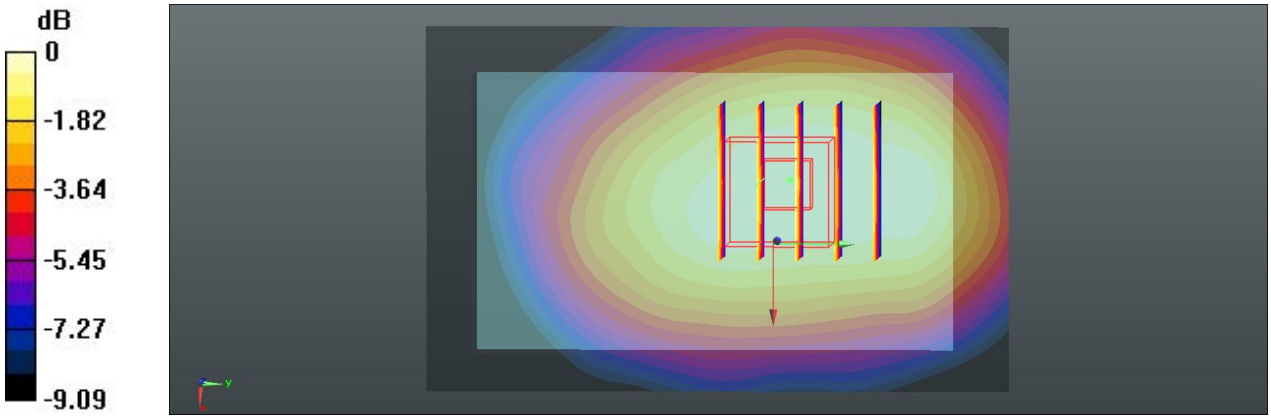
**63 LTE Band 5_10M_QPSK (1,0)_Back_1Cm_Ch20600**

Communication System: LTE;Frequency: 844 MHz;Duty Cycle: 1:1
Medium: MSL_835_131101 Medium parameters used: f = 844 MHz; $\sigma$ = 0.981 S/m; $\varepsilon_r$ = 54.006; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20600/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.841 W/kg

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.057 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.865 W/kg
**SAR(1 g) = 0.684 W/kg; SAR(10 g) = 0.516 W/kg**
Maximum value of SAR (measured) = 0.789 W/kg




0 dB = 0.789 W/kg

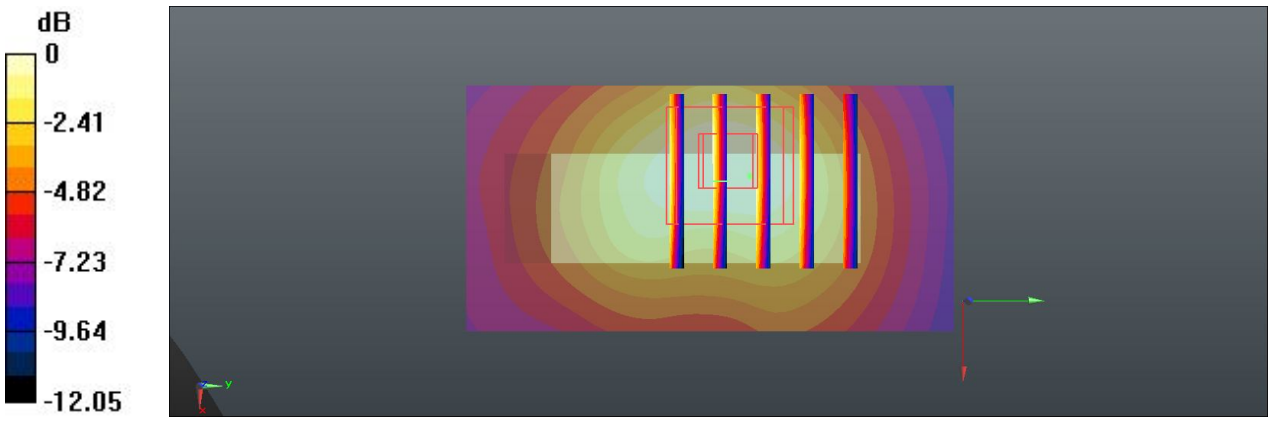
**64 LTE Band 5_10M_QPSK (1,0)_Right side_1Cm_Ch20600**

Communication System: LTE;Frequency: 844 MHz;Duty Cycle: 1:1
Medium: MSL_835_131101 Medium parameters used: f = 844 MHz; $\sigma$ = 0.981 S/m; $\varepsilon_r$ = 54.006; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20600/Area Scan (61x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.186 W/kg

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.050 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.225 W/kg
**SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.093 W/kg**
Maximum value of SAR (measured) = 0.183 W/kg




0 dB = 0.183 W/kg

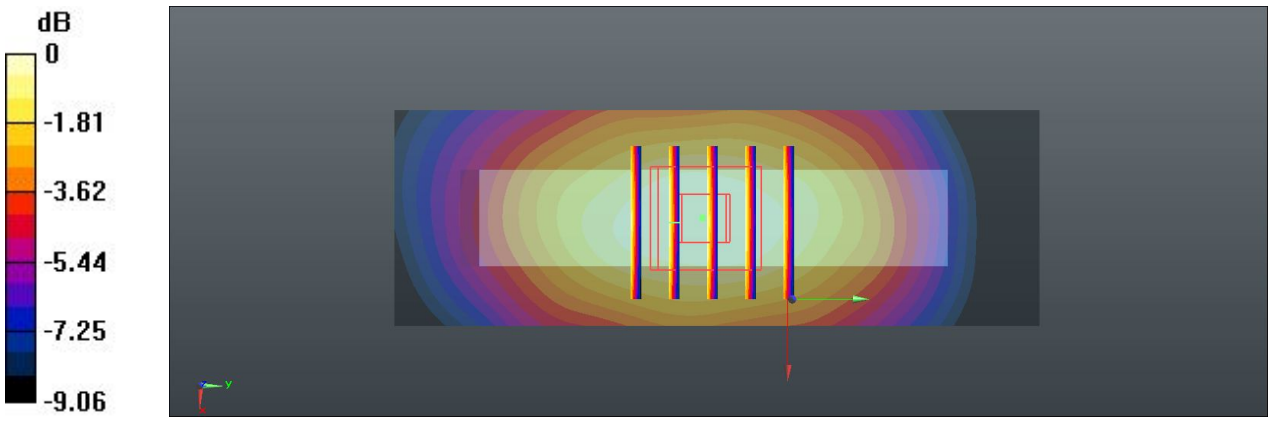
**65 LTE Band 5_10M_QPSK (1,0)_Bottom Side_1Cm_Ch20600**

Communication System: LTE;Frequency: 844 MHz;Duty Cycle: 1:1
Medium: MSL_835_131101 Medium parameters used: f = 844 MHz; $\sigma$ = 0.981 S/m; $\varepsilon_r$ = 54.006; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20600/Area Scan (91x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.456 W/kg

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.989 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.511 W/kg
**SAR(1 g) = 0.380 W/kg; SAR(10 g) = 0.272 W/kg**
Maximum value of SAR (measured) = 0.452 W/kg




0 dB = 0.452 W/kg

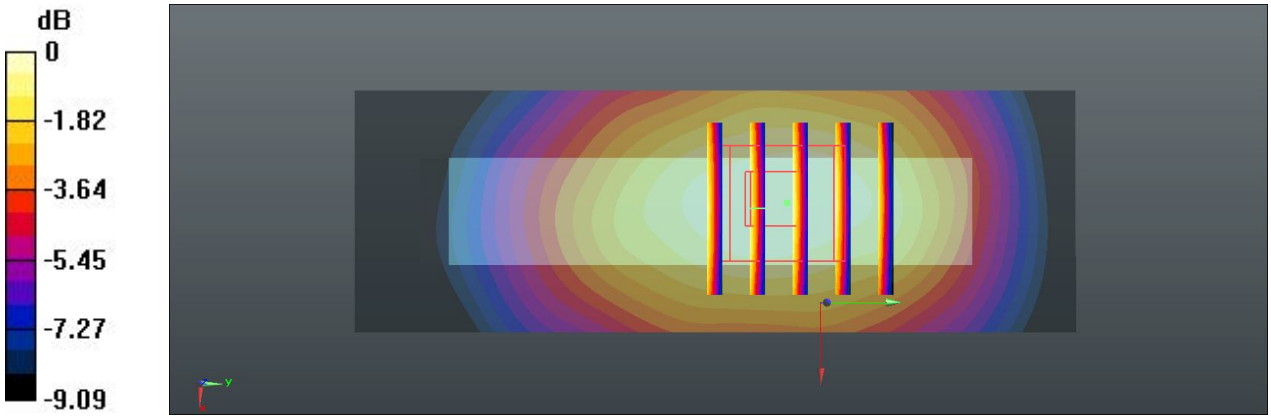
**66 LTE Band 5_10M_QPSK (1,0)_Top Side_1Cm_Ch20600**

Communication System: LTE;Frequency: 844 MHz;Duty Cycle: 1:1
Medium: MSL_835_131101 Medium parameters used: f = 844 MHz; $\sigma$ = 0.981 S/m; $\varepsilon_r$ = 54.006; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20600/Area Scan (91x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.522 W/kg

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.076 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.592 W/kg
**SAR(1 g) = 0.442 W/kg; SAR(10 g) = 0.323 W/kg**
Maximum value of SAR (measured) = 0.528 W/kg




0 dB = 0.528 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.11.01

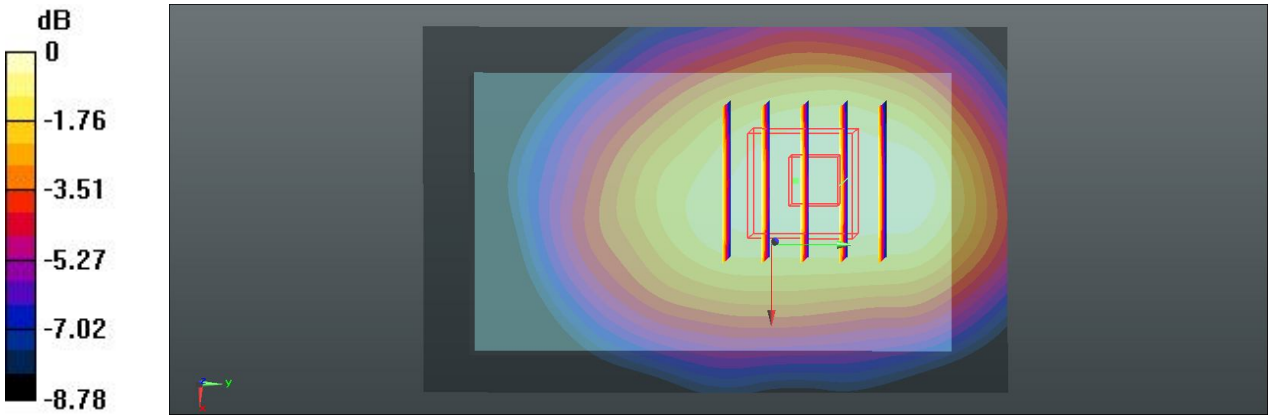
**67 LTE Band 5_10M_QPSK (1,0)_Back_1Cm_Ch20450**

Communication System: LTE;Frequency: 829 MHz;Duty Cycle: 1:1
Medium: MSL_835_131101 Medium parameters used: f = 829 MHz; $\sigma$ = 0.967 S/m; $\varepsilon_r$ = 54.124; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20450/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.601 W/kg

**Ch20450/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.507 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.638 W/kg
**SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.374 W/kg**
Maximum value of SAR (measured) = 0.582 W/kg




0 dB = 0.582 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.11.01

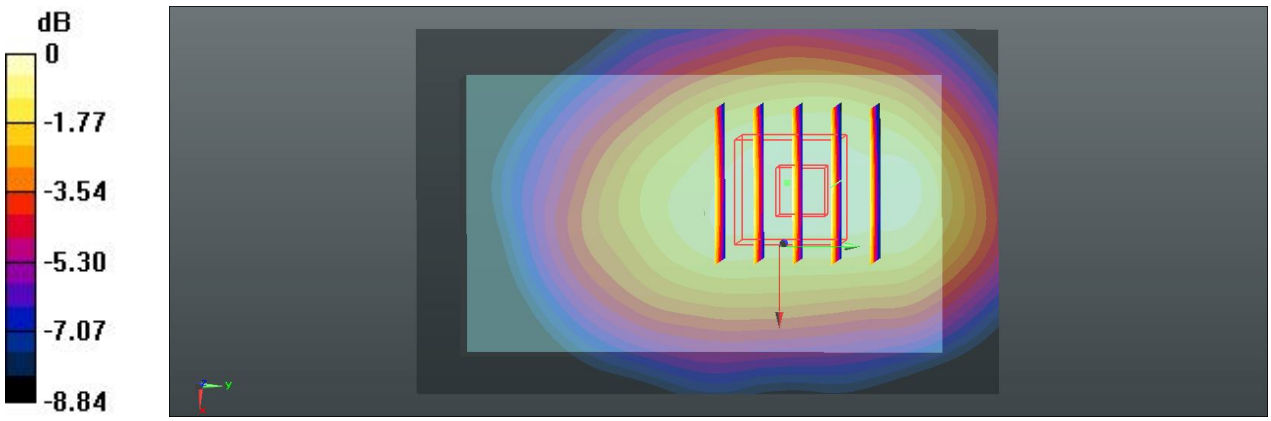
**68 LTE Band 5_10M_QPSK (1,0)_Back_1Cm_Ch20525**

Communication System: LTE;Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: MSL_835_131101 Medium parameters used: f = 836.5 MHz; $\sigma$ = 0.974 S/m; $\varepsilon_r$ = 54.072; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20525/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.577 W/kg

**Ch20525/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.481 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.631 W/kg
**SAR(1 g) = 0.498 W/kg; SAR(10 g) = 0.371 W/kg**
Maximum value of SAR (measured) = 0.571 W/kg




0 dB = 0.571 W/kg

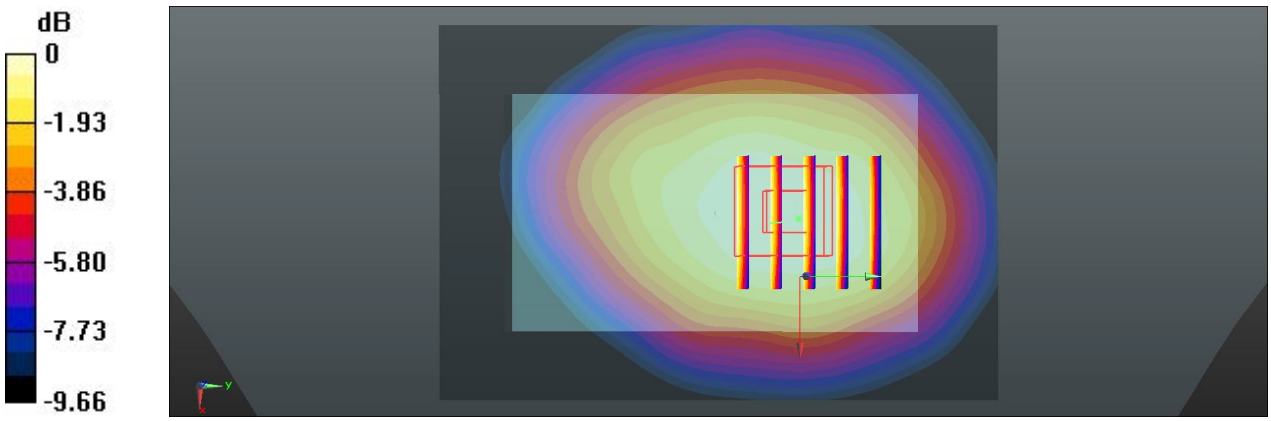
**69 LTE Band 5_10M_QPSK (25,0)_Front_1Cm_Ch20600**

Communication System: LTE;Frequency: 844 MHz;Duty Cycle: 1:1
Medium: MSL_835_131101 Medium parameters used: f = 844 MHz; $\sigma$ = 0.981 S/m; $\varepsilon_r$ = 54.006; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20600/Area Scan (91x61x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.496 W/kg

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.762 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.530 W/kg
**SAR(1 g) = 0.417 W/kg; SAR(10 g) = 0.315 W/kg**
Maximum value of SAR (measured) = 0.481 W/kg




0 dB = 0.481 W/kg

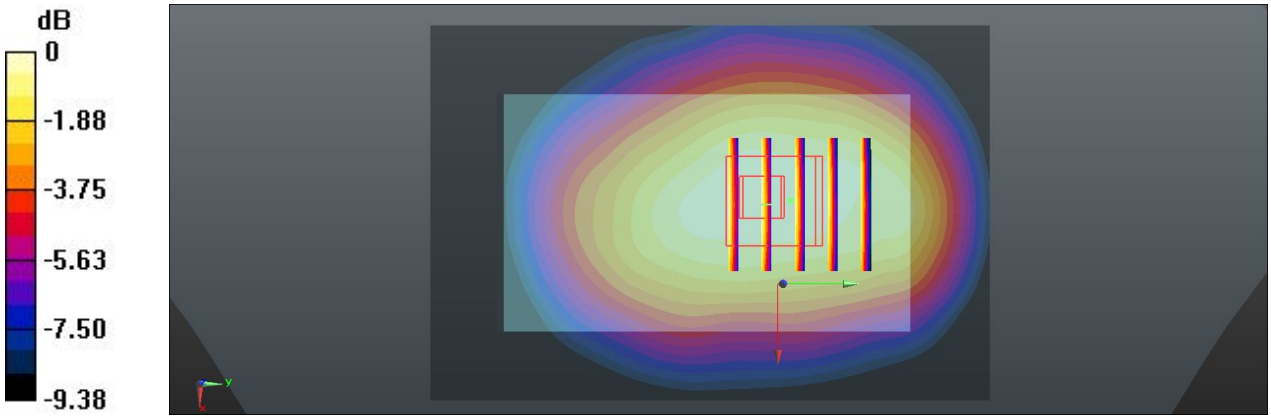
**70 LTE Band 5_10M_QPSK (25,0)_Back_1Cm_Ch20600**

Communication System: LTE;Frequency: 844 MHz;Duty Cycle: 1:1
Medium: MSL_835_131101 Medium parameters used: f = 844 MHz; $\sigma$ = 0.981 S/m; $\varepsilon_r$ = 54.006; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20600/Area Scan (91x61x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.488 W/kg

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.391 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.541 W/kg
**SAR(1 g) = 0.418 W/kg; SAR(10 g) = 0.312 W/kg**
Maximum value of SAR (measured) = 0.490 W/kg




0 dB = 0.490 W/kg

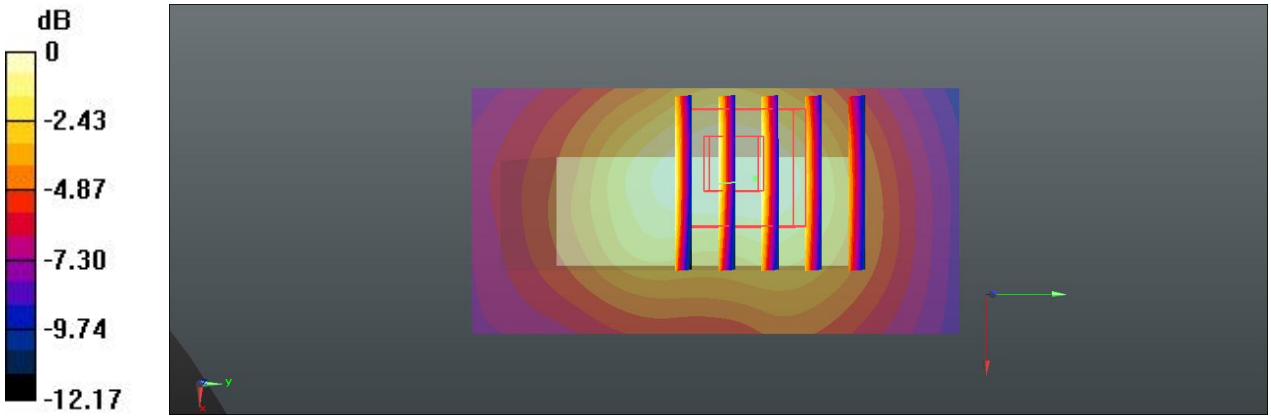
**71 LTE Band 5_10M_QPSK (25,0)_Right side_1Cm_Ch20600**

Communication System: LTE;Frequency: 844 MHz;Duty Cycle: 1:1
Medium: MSL_835_131101 Medium parameters used: f = 844 MHz; $\sigma$ = 0.981 S/m; $\varepsilon_r$ = 54.006; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20600/Area Scan (61x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.132 W/kg

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.778 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.158 W/kg
**SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.066 W/kg**
Maximum value of SAR (measured) = 0.129 W/kg




0 dB = 0.129 W/kg

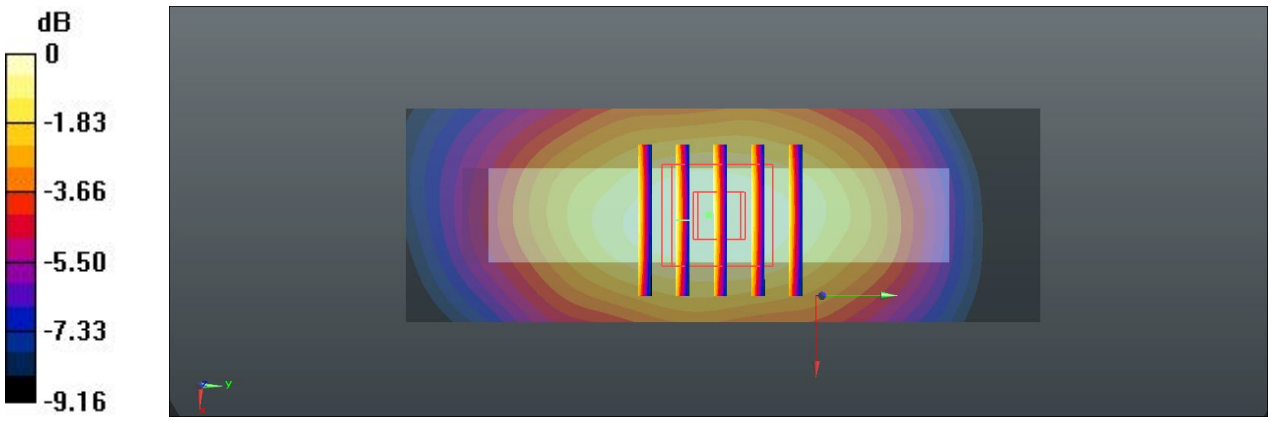
**72 LTE Band 5_10M_QPSK (25,0)_Bottom Side_1Cm_Ch20600**

Communication System: LTE;Frequency: 844 MHz;Duty Cycle: 1:1
Medium: MSL_835_131101 Medium parameters used: f = 844 MHz; $\sigma$ = 0.981 S/m; $\varepsilon_r$ = 54.006; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20600/Area Scan (91x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.297 W/kg

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.220 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.334 W/kg
**SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.179 W/kg**
Maximum value of SAR (measured) = 0.295 W/kg




0 dB = 0.295 W/kg

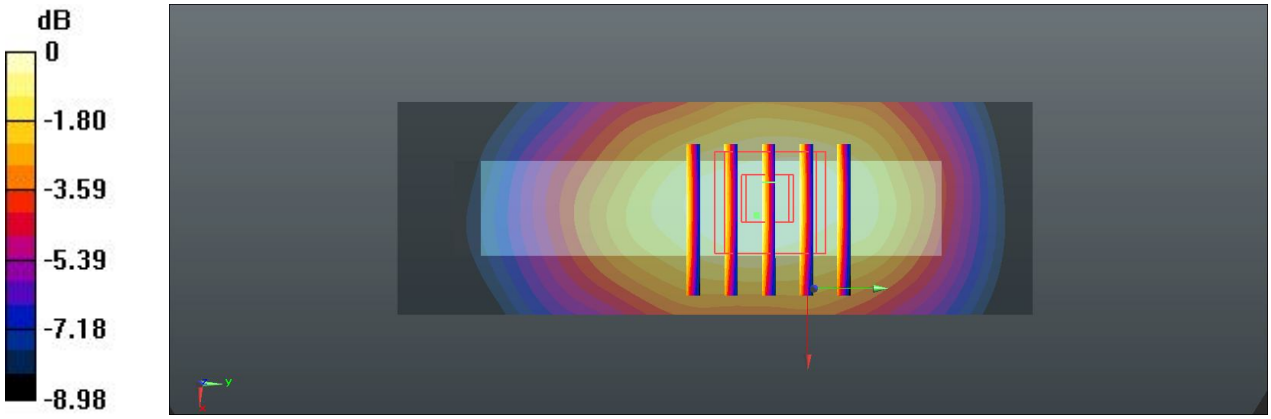
**73 LTE Band 5_10M_QPSK (25,0)_Top Side_1Cm_Ch20600**

Communication System: LTE;Frequency: 844 MHz;Duty Cycle: 1:1
Medium: MSL_835_131101 Medium parameters used: f = 844 MHz; $\sigma$ = 0.981 S/m; $\varepsilon_r$ = 54.006; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20600/Area Scan (91x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.347 W/kg

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.278 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.393 W/kg
**SAR(1 g) = 0.301 W/kg; SAR(10 g) = 0.218 W/kg**
Maximum value of SAR (measured) = 0.350 W/kg




0 dB = 0.350 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.11.01

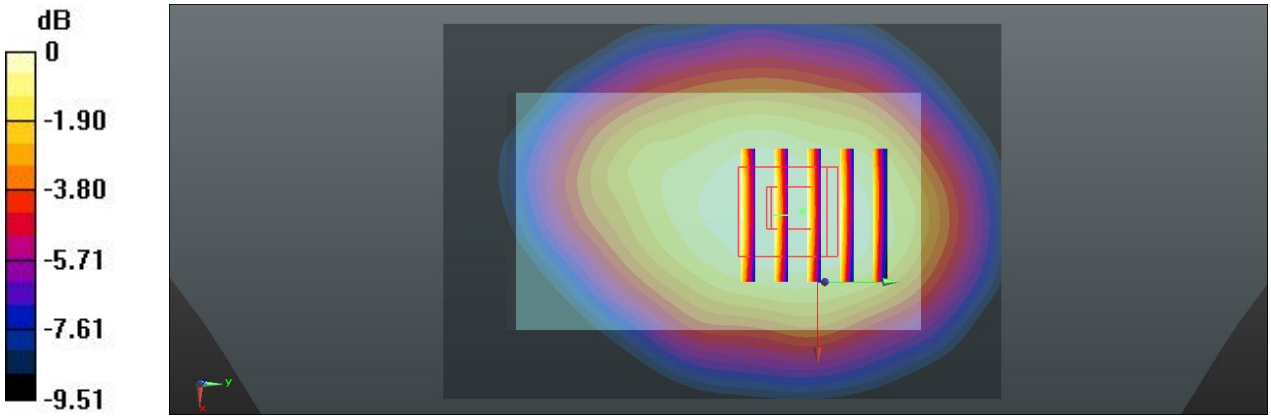
**74 LTE Band 5_10M_QPSK (50,0)_Front_1Cm_Ch20600**

Communication System: LTE;Frequency: 844 MHz;Duty Cycle: 1:1
Medium: MSL_835_131101 Medium parameters used: f = 844 MHz; $\sigma$ = 0.981 S/m; $\varepsilon_r$ = 54.006; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20600/Area Scan (91x61x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.413 W/kg

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.932 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.435 W/kg
**SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.258 W/kg**
Maximum value of SAR (measured) = 0.396 W/kg




0 dB = 0.396 W/kg

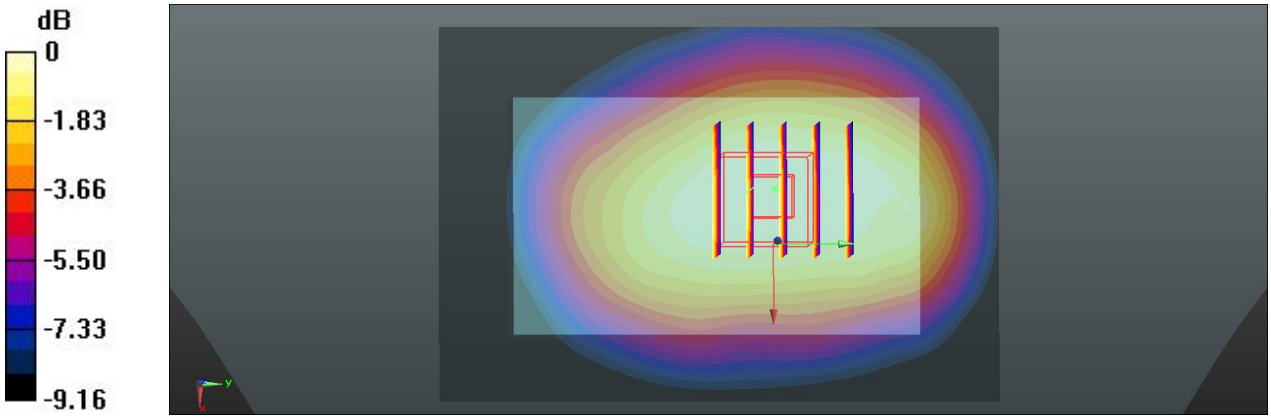
**75 LTE Band 5_10M_QPSK (50,0)_Back_1Cm_Ch20600**

Communication System: LTE;Frequency: 844 MHz;Duty Cycle: 1:1
Medium: MSL_835_131101 Medium parameters used: f = 844 MHz; $\sigma$ = 0.981 S/m; $\varepsilon_r$ = 54.006; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20600/Area Scan (91x61x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.428 W/kg

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.207 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.461 W/kg
**SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.273 W/kg**
Maximum value of SAR (measured) = 0.415 W/kg




0 dB = 0.415 W/kg

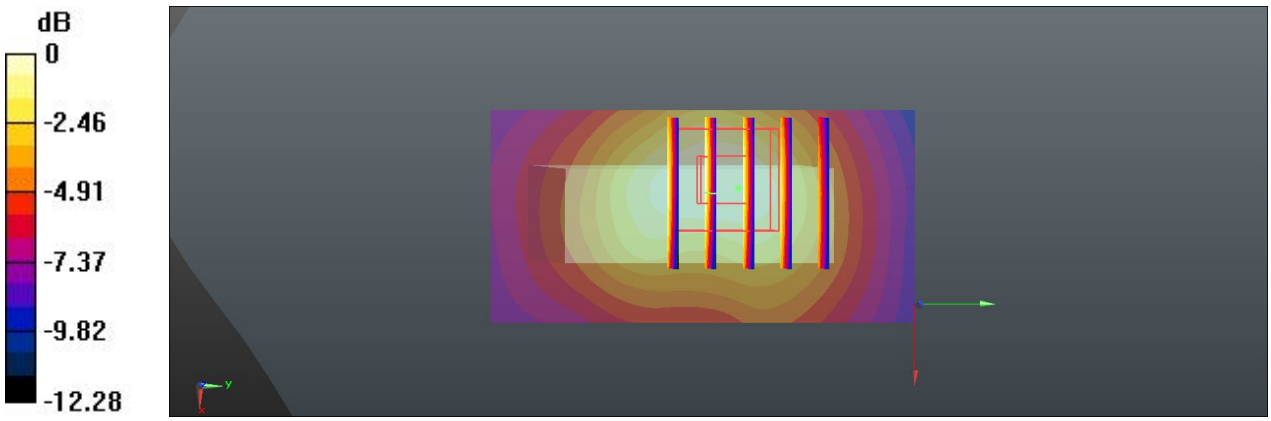
**76 LTE Band 5_10M_QPSK (50,0)_Right side_1Cm_Ch20600**

Communication System: LTE;Frequency: 844 MHz;Duty Cycle: 1:1
Medium: MSL_835_131101 Medium parameters used: f = 844 MHz; $\sigma$ = 0.981 S/m; $\varepsilon_r$ = 54.006; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20600/Area Scan (61x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.112 W/kg

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.282 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.135 W/kg
**SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.057 W/kg**
Maximum value of SAR (measured) = 0.111 W/kg




0 dB = 0.111 W/kg

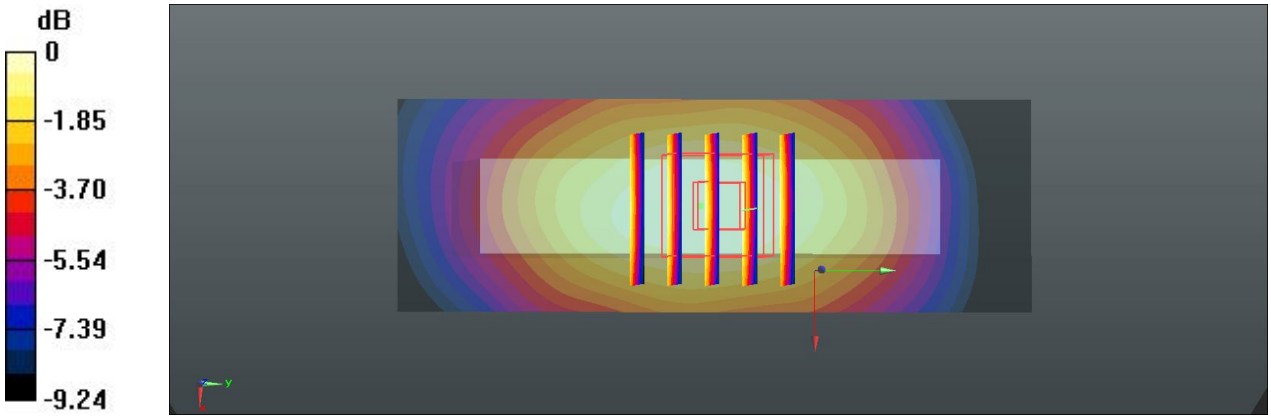
**77 LTE Band 5_10M_QPSK (50,0)_Bottom Side_1Cm_Ch20600**

Communication System: LTE;Frequency: 844 MHz;Duty Cycle: 1:1
Medium: MSL_835_131101 Medium parameters used: f = 844 MHz; $\sigma$ = 0.981 S/m; $\varepsilon_r$ = 54.006; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20600/Area Scan (91x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.232 W/kg

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.113 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.256 W/kg
**SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.138 W/kg**
Maximum value of SAR (measured) = 0.228 W/kg




0 dB = 0.228 W/kg

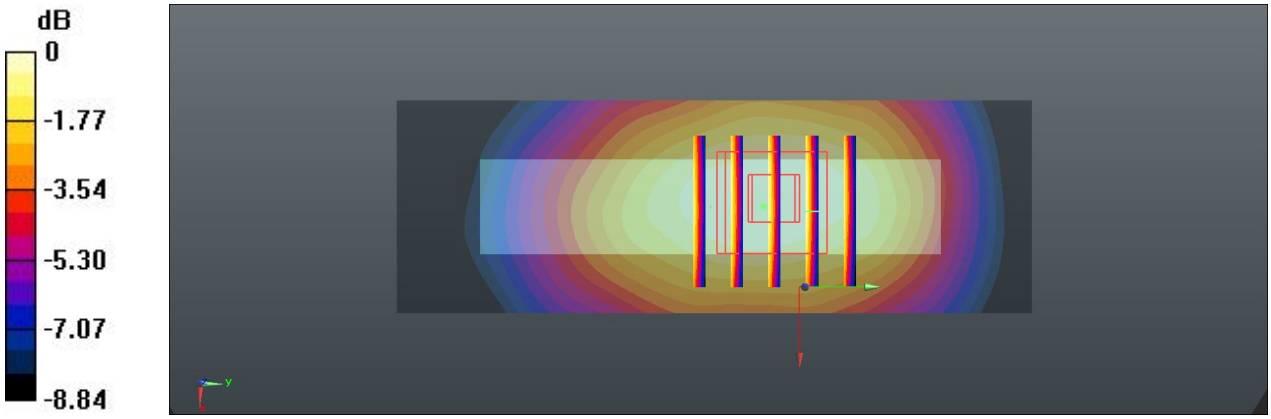
**78 LTE Band 5_10M_QPSK (50,0)_Top Side_1Cm_Ch20600**

Communication System: LTE;Frequency: 844 MHz;Duty Cycle: 1:1
Medium: MSL_835_131101 Medium parameters used: f = 844 MHz; $\sigma$ = 0.981 S/m; $\varepsilon_r$ = 54.006; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch20600/Area Scan (91x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.297 W/kg

**Ch20600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.023 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.337 W/kg
**SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.186 W/kg**
Maximum value of SAR (measured) = 0.298 W/kg




0 dB = 0.298 W/kg

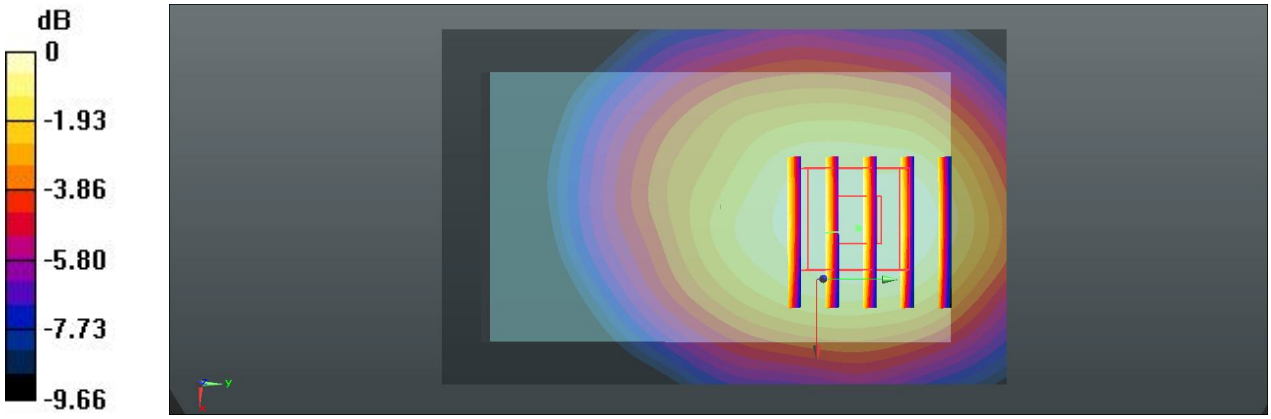
**42 LTE Band 12_10M_QPSK (1,24)_Front_1Cm_Ch23060**

Communication System: LTE;Frequency: 704 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 704 MHz; $\sigma$ = 0.936 S/m; $\varepsilon_r$ = 55.651; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch23060/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.619 W/kg

**Ch23060/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.725 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.643 W/kg
**SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.367 W/kg**
Maximum value of SAR (measured) = 0.572 W/kg




0 dB = 0.572 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.11.01

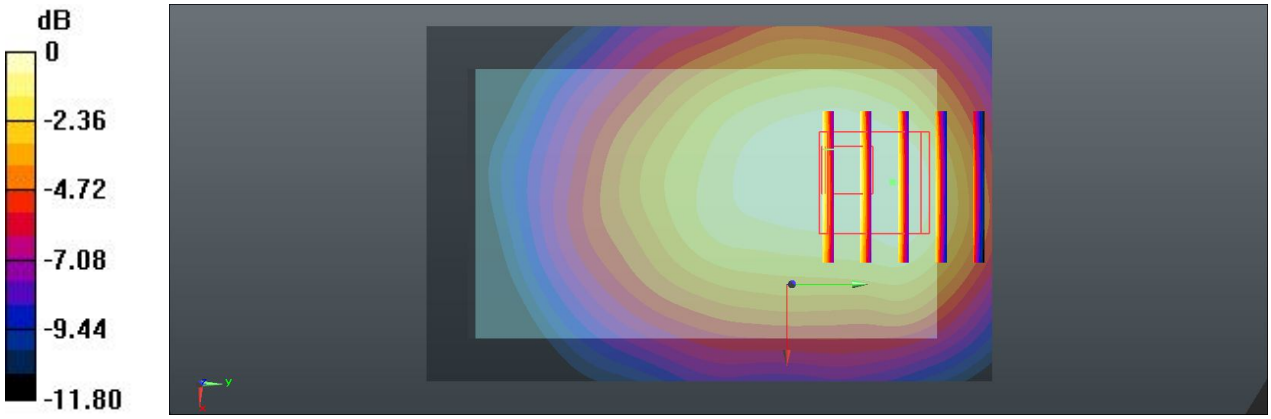
**43 LTE Band 12_10M_QPSK (1,24)_Back_1Cm_Ch23060**

Communication System: LTE;Frequency: 704 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 704 MHz; $\sigma$ = 0.936 S/m; $\varepsilon_r$ = 55.651; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch23060/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.687 W/kg

**Ch23060/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.439 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.764 W/kg
**SAR(1 g) = 0.549 W/kg; SAR(10 g) = 0.387 W/kg**
Maximum value of SAR (measured) = 0.662 W/kg




0 dB = 0.662 W/kg

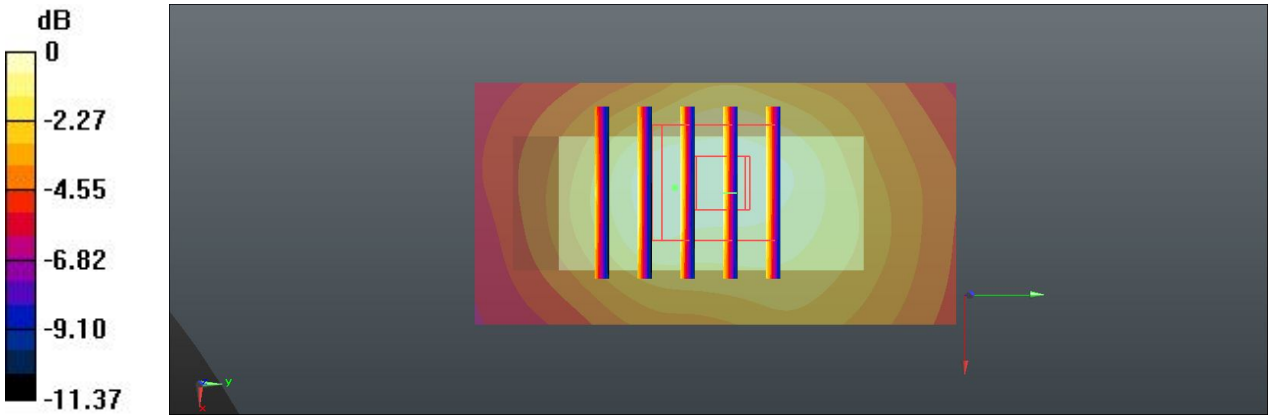
**44 LTE Band 12_10M_QPSK (1,24)_Right Side_1Cm_Ch23060**

Communication System: LTE;Frequency: 704 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 704 MHz; $\sigma$ = 0.936 S/m; $\varepsilon_r$ = 55.651; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch23060/Area Scan (61x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.190 W/kg

**Ch23060/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.105 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.249 W/kg
**SAR(1 g) = 0.144 W/kg; SAR(10 g) = 0.094 W/kg**
Maximum value of SAR (measured) = 0.191 W/kg




0 dB = 0.191 W/kg

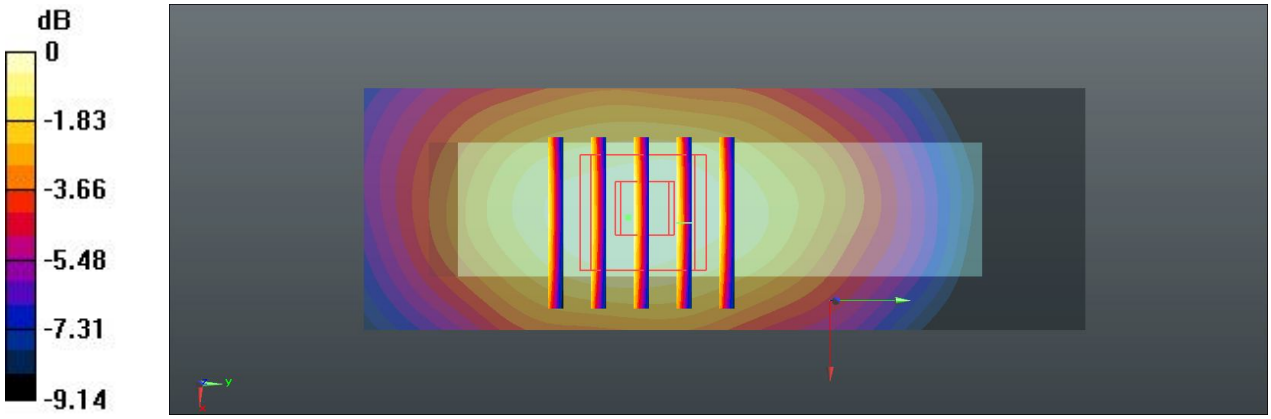
**45 LTE Band 12_10M_QPSK (1,24)_Bottom Side_1Cm_Ch23060**

Communication System: LTE;Frequency: 704 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 704 MHz; $\sigma$ = 0.936 S/m; $\varepsilon_r$ = 55.651; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch23060/Area Scan (91x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.243 W/kg

**Ch23060/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.147 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.271 W/kg
**SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.145 W/kg**
Maximum value of SAR (measured) = 0.238 W/kg




0 dB = 0.238 W/kg

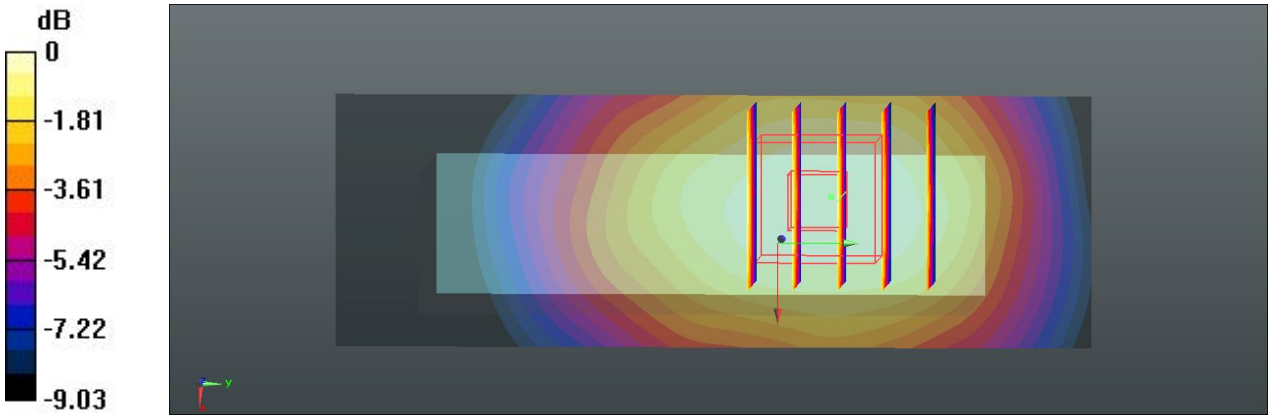
**46 LTE Band 12_10M_QPSK (1,24)_Top Side_1Cm_Ch23060**

Communication System: LTE;Frequency: 704 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 704 MHz; $\sigma$ = 0.936 S/m; $\varepsilon_r$ = 55.651; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch23060/Area Scan (91x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.312 W/kg

**Ch23060/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.398 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.331 W/kg
**SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.188 W/kg**
Maximum value of SAR (measured) = 0.299 W/kg




0 dB = 0.299 W/kg

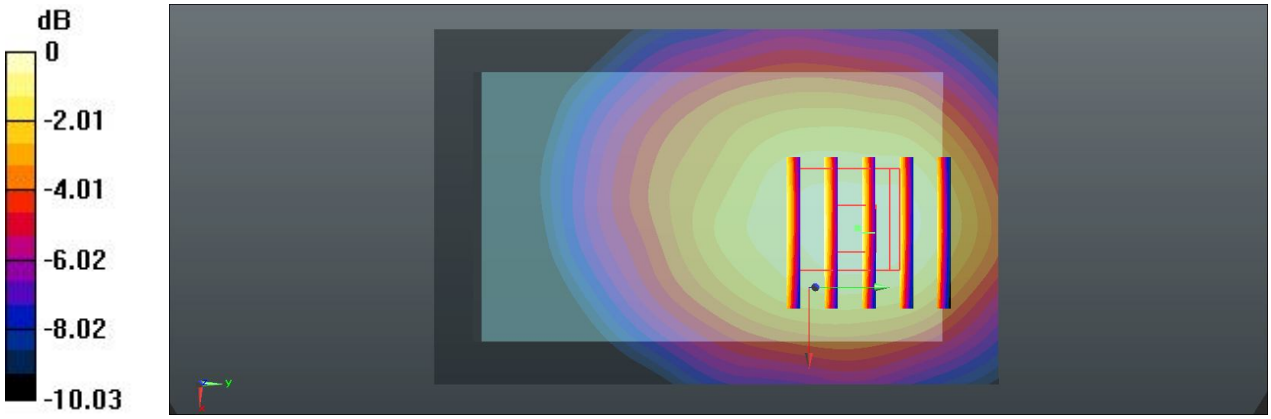
**47 LTE Band 12_10M_QPSK (25,12)_Front_1Cm_Ch23060**

Communication System: LTE;Frequency: 704 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 704 MHz; $\sigma$ = 0.936 S/m; $\varepsilon_r$ = 55.651; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch23060/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.418 W/kg

**Ch23060/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.506 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.462 W/kg
**SAR(1 g) = 0.344 W/kg; SAR(10 g) = 0.251 W/kg**
Maximum value of SAR (measured) = 0.414 W/kg




0 dB = 0.414 W/kg

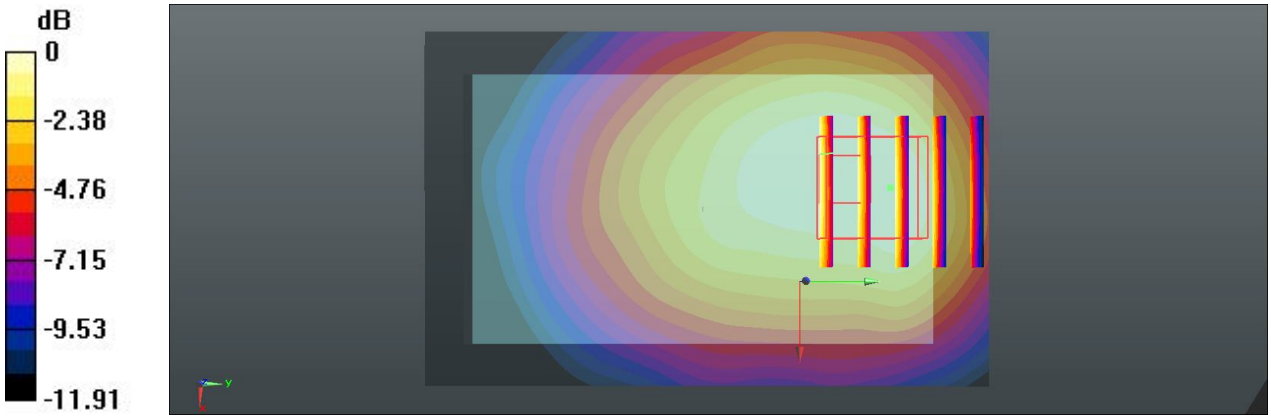
**48 LTE Band 12_10M_QPSK (25,12)_Back_1Cm_Ch23060**

Communication System: LTE;Frequency: 704 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 704 MHz; $\sigma$ = 0.936 S/m; $\varepsilon_r$ = 55.651; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch23060/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.455 W/kg

**Ch23060/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.389 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.503 W/kg
**SAR(1 g) = 0.369 W/kg; SAR(10 g) = 0.260 W/kg**
Maximum value of SAR (measured) = 0.441 W/kg




0 dB = 0.441 W/kg

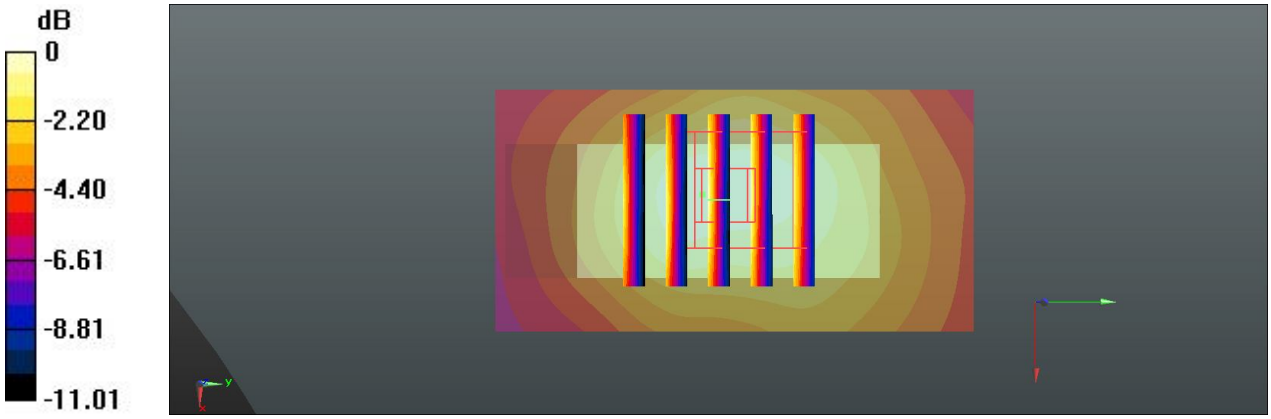
**49 LTE Band 12_10M_QPSK (25,12)_Right Side_1Cm_Ch23060**

Communication System: LTE;Frequency: 704 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 704 MHz; $\sigma$ = 0.936 S/m; $\varepsilon_r$ = 55.651; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch23060/Area Scan (61x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.133 W/kg

**Ch23060/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.519 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.168 W/kg
**SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.067 W/kg**
Maximum value of SAR (measured) = 0.137 W/kg




0 dB = 0.137 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.11.01

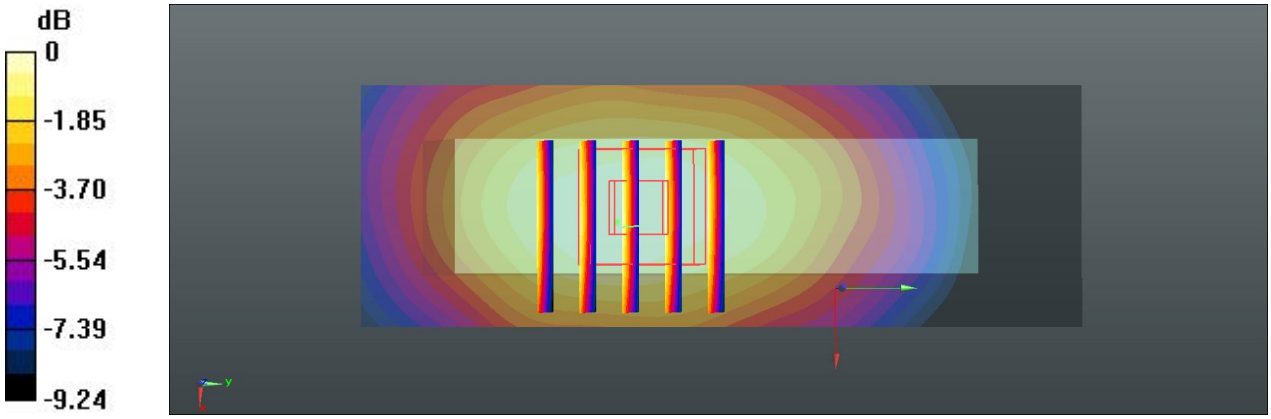
**50 LTE Band 12_10M_QPSK (25,12)_Bottom Side_1Cm_Ch23060**

Communication System: LTE;Frequency: 704 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 704 MHz; $\sigma$ = 0.936 S/m; $\varepsilon_r$ = 55.651; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch23060/Area Scan (91x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.167 W/kg

**Ch23060/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.640 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.190 W/kg
**SAR(1 g) = 0.138 W/kg; SAR(10 g) = 0.099 W/kg**
Maximum value of SAR (measured) = 0.163 W/kg




0 dB = 0.163 W/kg

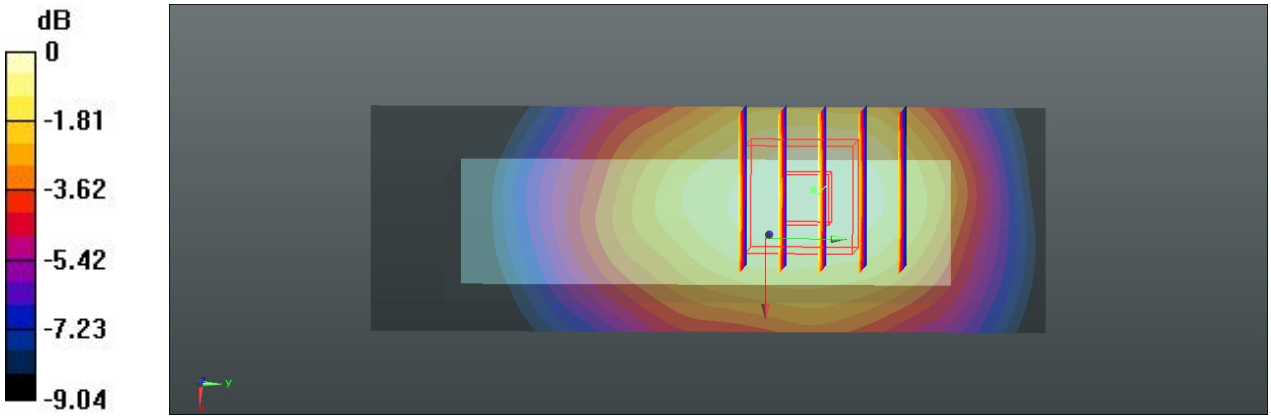
**51 LTE Band 12_10M_QPSK (25,12)_Top Side_1Cm_Ch23060**

Communication System: LTE;Frequency: 704 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 704 MHz; $\sigma$ = 0.936 S/m; $\varepsilon_r$ = 55.651; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch23060/Area Scan (91x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.216 W/kg

**Ch23060/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.779 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.243 W/kg
**SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.131 W/kg**
Maximum value of SAR (measured) = 0.213 W/kg




0 dB = 0.213 W/kg

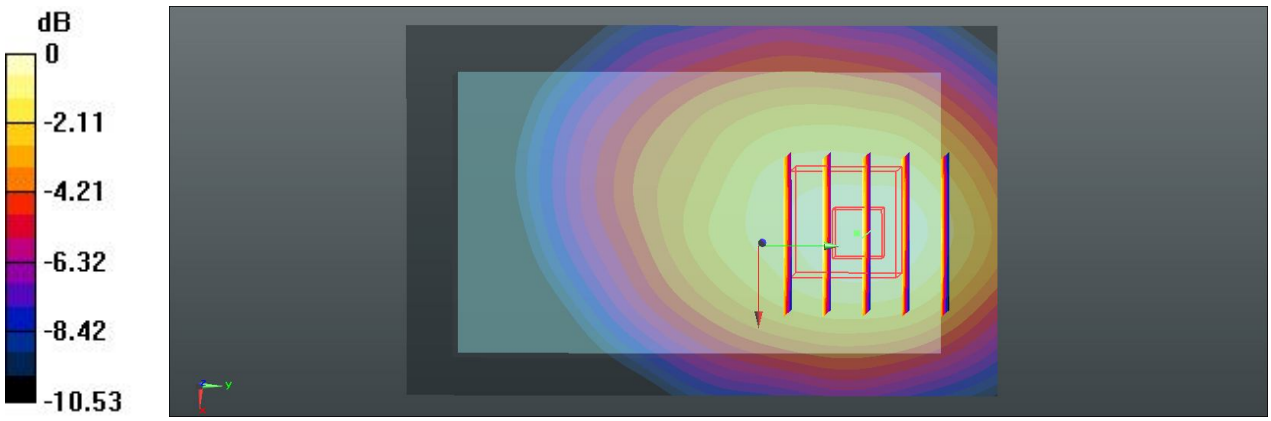
**52 LTE Band 17_10M_QPSK (1,49)_Front_1Cm_Ch23800**

Communication System: LTE;Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 711 MHz; $\sigma$ = 0.944 S/m; $\varepsilon_r$ = 55.562; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch23800/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.691 W/kg

**Ch23800/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.406 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.784 W/kg
**SAR(1 g) = 0.569 W/kg; SAR(10 g) = 0.414 W/kg**
Maximum value of SAR (measured) = 0.688 W/kg




0 dB = 0.688 W/kg

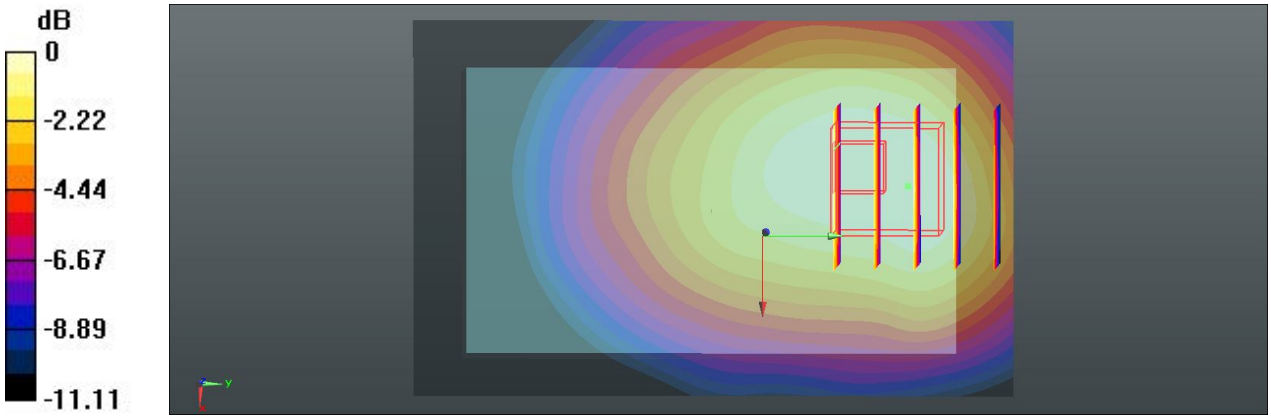
**53 LTE Band 17_10M_QPSK (1,49)_Back_1Cm_Ch23800**

Communication System: LTE;Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 711 MHz; $\sigma$ = 0.944 S/m; $\varepsilon_r$ = 55.562; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch23800/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.710 W/kg

**Ch23800/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.649 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.773 W/kg
**SAR(1 g) = 0.577 W/kg; SAR(10 g) = 0.411 W/kg**
Maximum value of SAR (measured) = 0.678 W/kg




0 dB = 0.678 W/kg

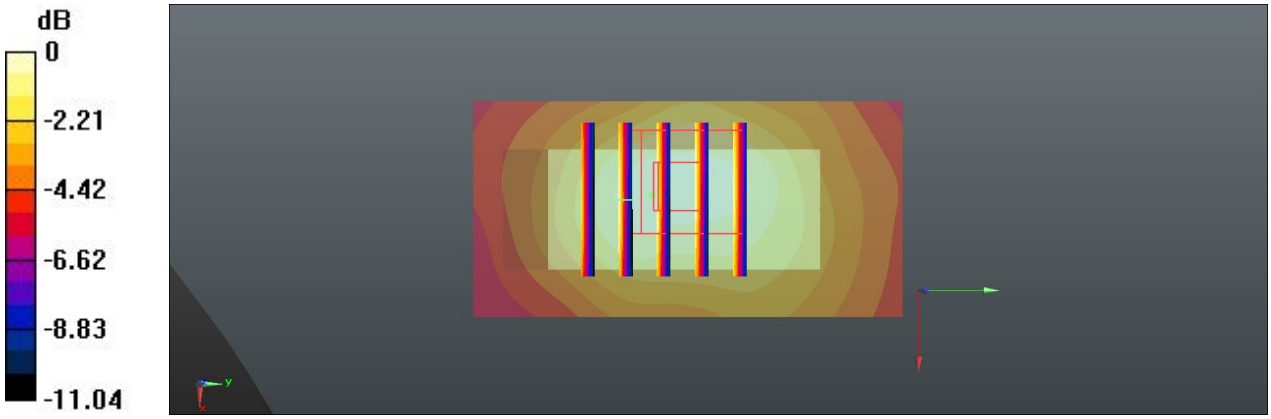
**54 LTE Band 17_10M_QPSK (1,49)_Right Side_1Cm_Ch23800**

Communication System: LTE;Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 711 MHz; $\sigma$ = 0.944 S/m; $\varepsilon_r$ = 55.562; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch23800/Area Scan (61x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.161 W/kg

**Ch23800/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.229 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.215 W/kg
**SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.082 W/kg**
Maximum value of SAR (measured) = 0.167 W/kg




0 dB = 0.167 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.11.01

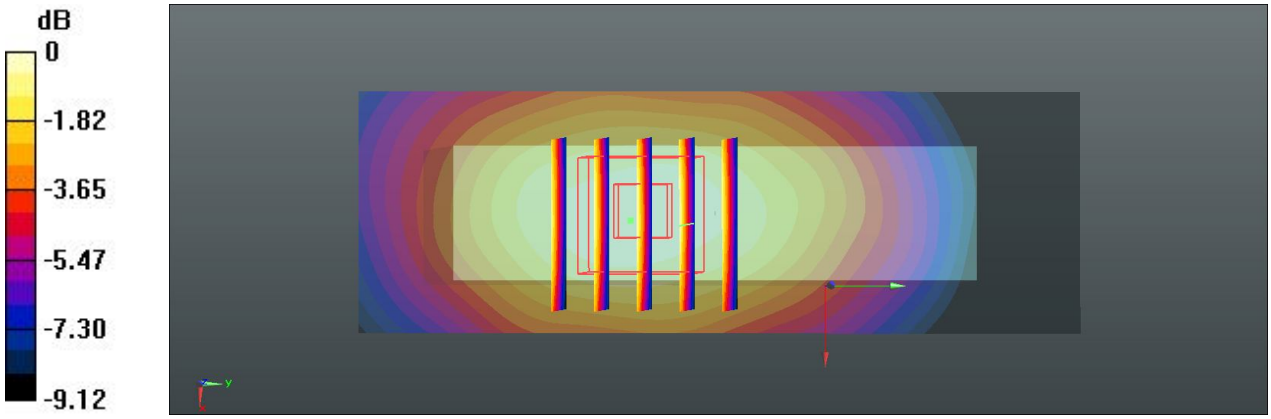
**55 LTE Band 17_10M_QPSK (1,49)_Bottom Side_1Cm_Ch23800**

Communication System: LTE;Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 711 MHz; $\sigma$ = 0.944 S/m; $\varepsilon_r$ = 55.562; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch23800/Area Scan (91x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.257 W/kg

**Ch23800/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.543 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.293 W/kg
**SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.157 W/kg**
Maximum value of SAR (measured) = 0.257 W/kg




0 dB = 0.257 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.11.01

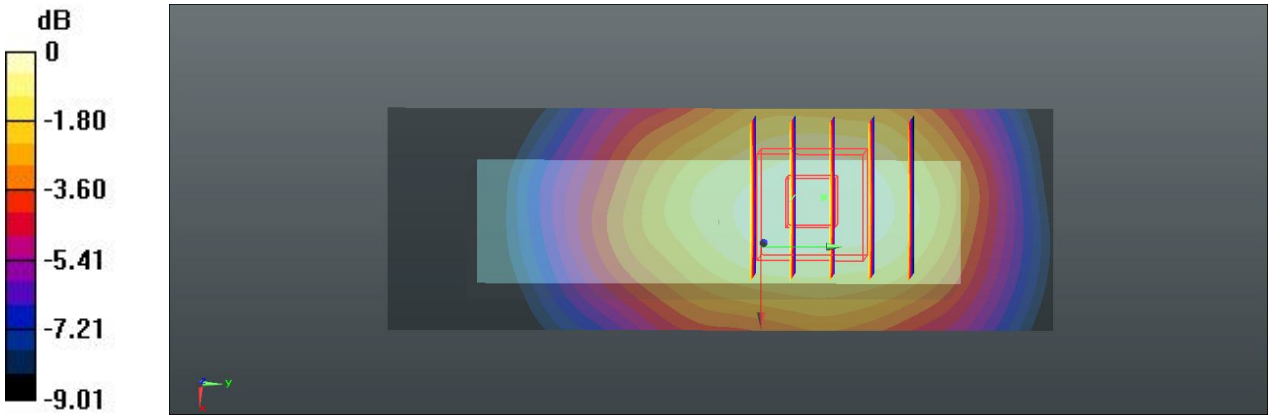
**56 LTE Band 17_10M_QPSK (1,49)_Top Side_1Cm_Ch23800**

Communication System: LTE;Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 711 MHz; $\sigma$ = 0.944 S/m; $\varepsilon_r$ = 55.562; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch23800/Area Scan (91x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.299 W/kg

**Ch23800/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.167 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.328 W/kg
**SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.183 W/kg**
Maximum value of SAR (measured) = 0.295 W/kg




0 dB = 0.295 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.11.01

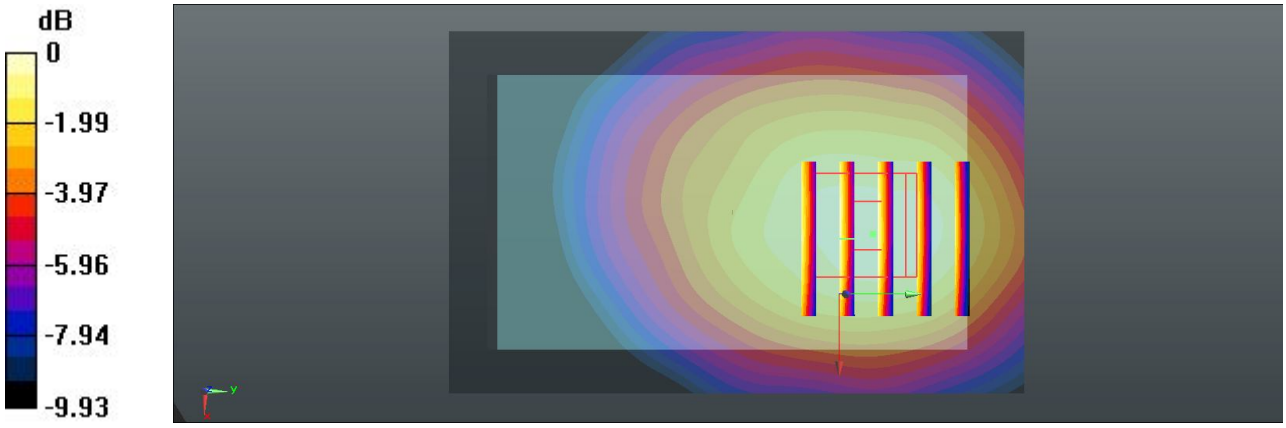
**57 LTE Band 17_10M_QPSK (25,24)_Front_1Cm_Ch23800**

Communication System: LTE;Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 711 MHz; $\sigma$ = 0.944 S/m; $\varepsilon_r$ = 55.562; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch23800/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.524 W/kg

**Ch23800/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.530 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.584 W/kg
**SAR(1 g) = 0.446 W/kg; SAR(10 g) = 0.327 W/kg**
Maximum value of SAR (measured) = 0.517 W/kg




0 dB = 0.517 W/kg

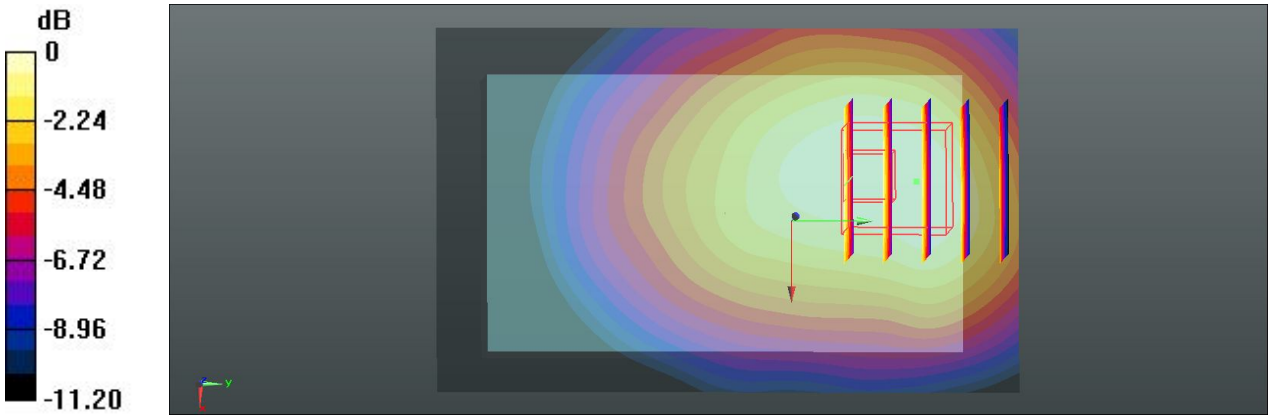
**58 LTE Band 17_10M_QPSK (25,24)_Back_1Cm_Ch23800**

Communication System: LTE;Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 711 MHz; $\sigma$ = 0.944 S/m; $\varepsilon_r$ = 55.562; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch23800/Area Scan (81x51x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.598 W/kg

**Ch23800/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.042 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.662 W/kg
**SAR(1 g) = 0.491 W/kg; SAR(10 g) = 0.347 W/kg**
Maximum value of SAR (measured) = 0.585 W/kg




0 dB = 0.585 W/kg

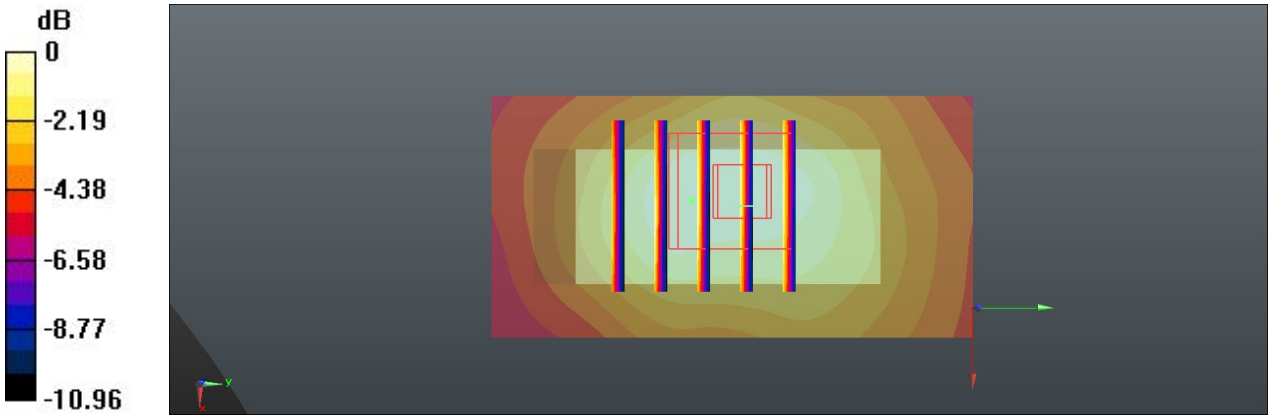
**59 LTE Band 17_10M_QPSK (25,24)_Right Side_1Cm_Ch23800**

Communication System: LTE;Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 711 MHz; $\sigma$ = 0.944 S/m; $\varepsilon_r$ = 55.562; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch23800/Area Scan (61x31x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.142 W/kg

**Ch23800/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.751 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.179 W/kg
**SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.070 W/kg**
Maximum value of SAR (measured) = 0.141 W/kg




0 dB = 0.141 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.11.01

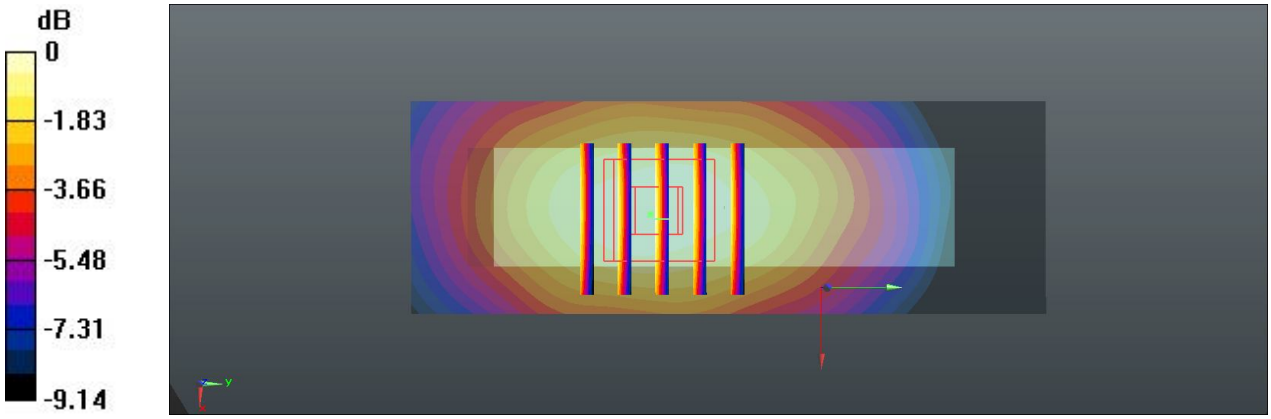
**60 LTE Band 17_10M_QPSK (25,24)_Bottom Side_1Cm_Ch23800**

Communication System: LTE;Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 711 MHz; $\sigma$ = 0.944 S/m; $\varepsilon_r$ = 55.562; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch23800/Area Scan (91x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.222 W/kg

**Ch23800/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.501 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.250 W/kg
**SAR(1 g) = 0.183 W/kg; SAR(10 g) = 0.130 W/kg**
Maximum value of SAR (measured) = 0.221 W/kg




0 dB = 0.221 W/kg

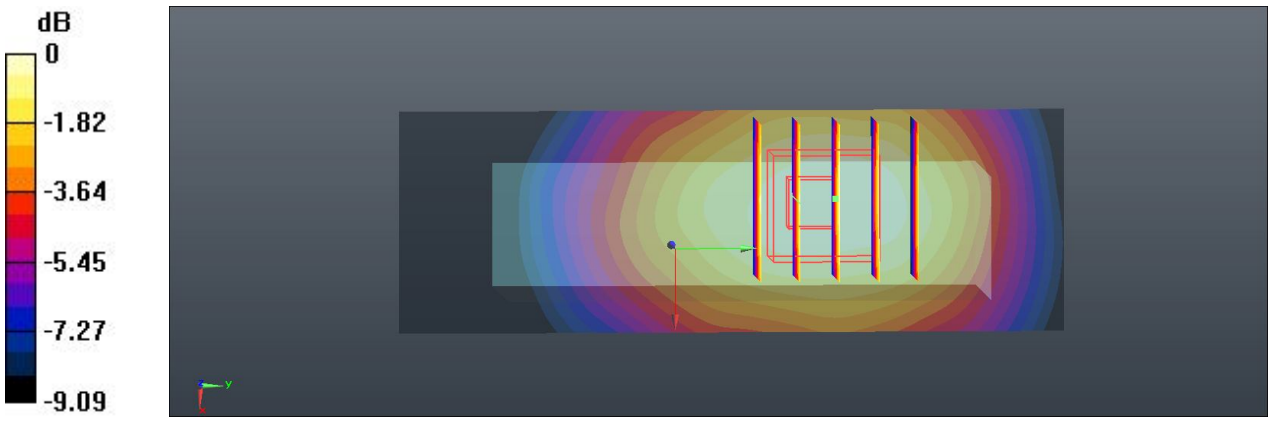
**61 LTE Band 17_10M_QPSK (25,24)_Top Side_1Cm_Ch23800**

Communication System: LTE;Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_131101 Medium parameters used: f = 711 MHz; $\sigma$ = 0.944 S/m; $\varepsilon_r$ = 55.562; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(10.21, 10.21, 10.21); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch23800/Area Scan (91x31x1):** Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.257 W/kg

**Ch23800/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.045 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.276 W/kg
**SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.159 W/kg**
Maximum value of SAR (measured) = 0.254 W/kg




0 dB = 0.254 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.11.04

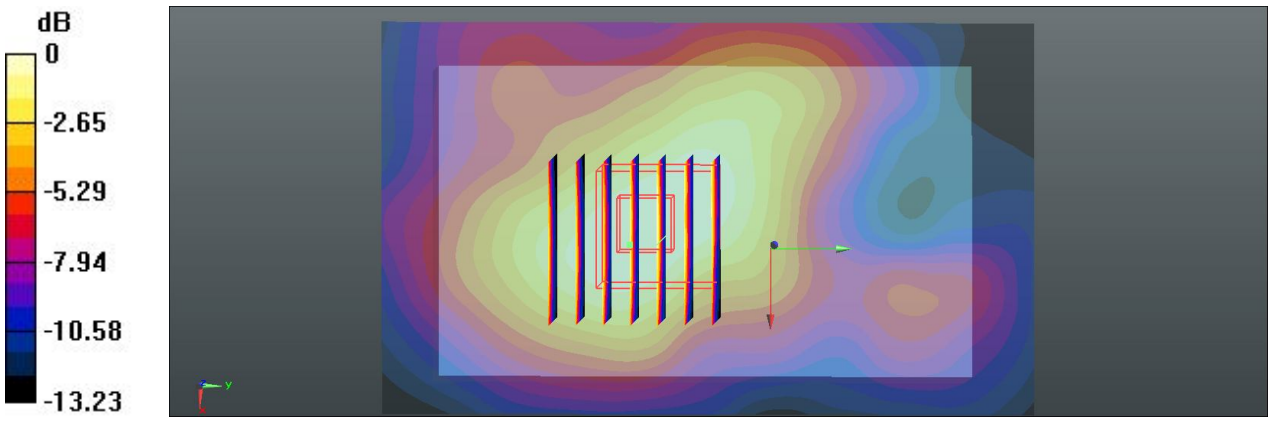
**79 WLAN 2.4GHz_802.11b_Front_1Cm_Ch6**

Communication System: 802.11b ;Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_131104 Medium parameters used: f = 2437 MHz; $\sigma$ = 1.922 S/m; $\varepsilon_r$ = 51.153; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.34, 7.34, 7.34); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch6/Area Scan (101x61x1):** Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.138 W/kg

**Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.871 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.168 W/kg
**SAR(1 g) = 0.094 W/kg; SAR(10 g) = 0.056 W/kg**
Maximum value of SAR (measured) = 0.130 W/kg




0 dB = 0.130 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.11.04

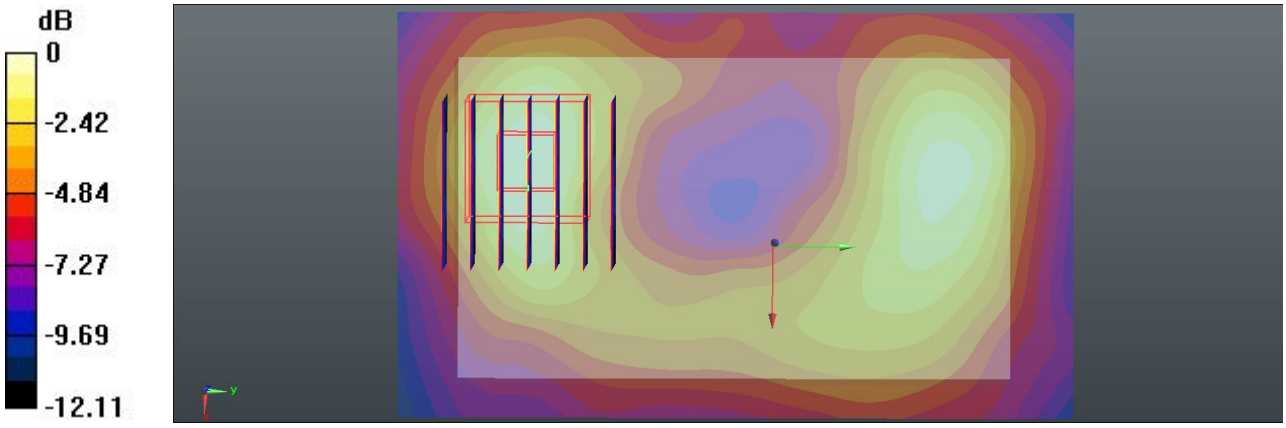
**80 WLAN 2.4GHz_802.11b_Back_1Cm_Ch6**

Communication System: 802.11b ;Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_131104 Medium parameters used: f = 2437 MHz; $\sigma$ = 1.922 S/m; $\varepsilon_r$ = 51.153; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.34, 7.34, 7.34); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch6/Area Scan (101x61x1):** Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0661 W/kg

**Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.618 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.0890 W/kg
**SAR(1 g) = 0.046 W/kg; SAR(10 g) = 0.026 W/kg**
Maximum value of SAR (measured) = 0.0675 W/kg




0 dB = 0.0675 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.11.04

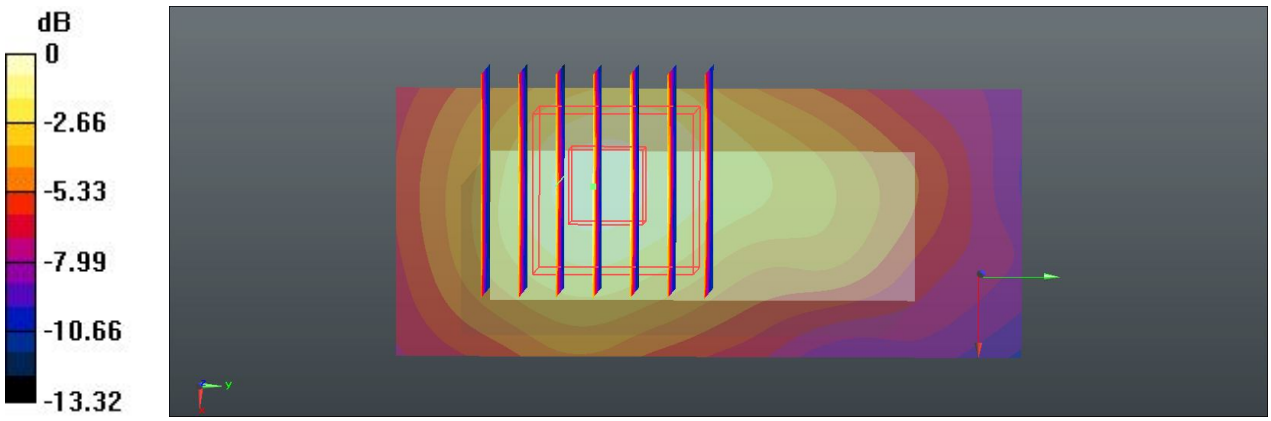
**81 WLAN 2.4GHz_802.11b_Left side_1Cm_Ch6**

Communication System: 802.11b ;Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_131104 Medium parameters used: f = 2437 MHz; $\sigma$ = 1.922 S/m; $\varepsilon_r$ = 51.153; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.34, 7.34, 7.34); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch6/Area Scan (71x31x1):** Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0707 W/kg

**Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.213 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.104 W/kg
**SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.029 W/kg**
Maximum value of SAR (measured) = 0.0743 W/kg




0 dB = 0.0743 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.11.04

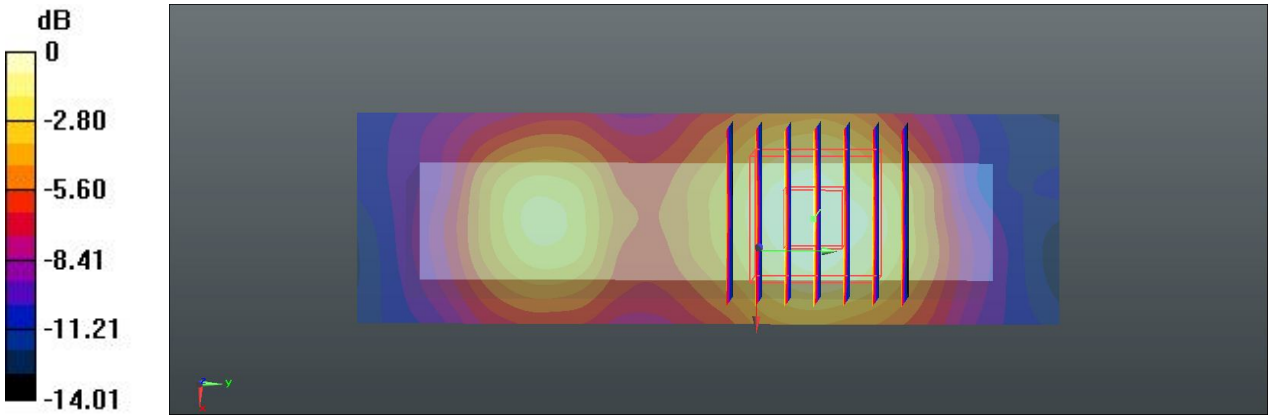
**82 WLAN 2.4GHz_802.11b_Top side_1Cm_Ch6**

Communication System: 802.11b ;Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_131104 Medium parameters used: f = 2437 MHz; $\sigma$ = 1.922 S/m; $\varepsilon_r$ = 51.153; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.34, 7.34, 7.34); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch6/Area Scan (101x31x1):** Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.110 W/kg

**Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.230 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.134 W/kg
**SAR(1 g) = 0.074 W/kg; SAR(10 g) = 0.040 W/kg**
Maximum value of SAR (measured) = 0.104 W/kg




0 dB = 0.104 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.11.04

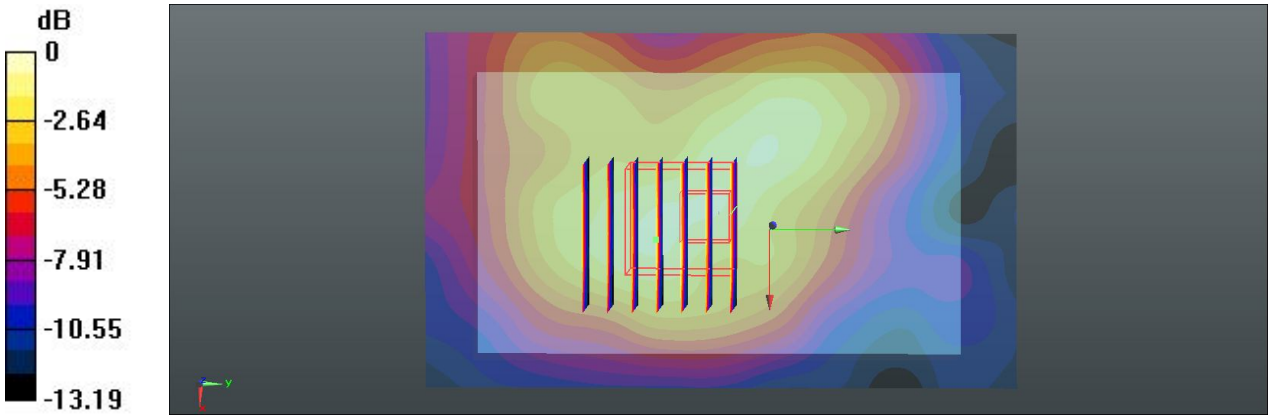
**83 WLAN 2.4GHz_802.11g_Front_1Cm_Ch11**

Communication System: 802.11g;Frequency: 2462 MHz;Duty Cycle: 1:1.017
Medium: MSL_2450_131104 Medium parameters used: f = 2462 MHz; $\sigma$ = 1.954 S/m; $\varepsilon_r$ = 51.055; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.34, 7.34, 7.34); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch11/Area Scan (101x61x1):** Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0994 W/kg

**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.191 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.171 W/kg
**SAR(1 g) = 0.085 W/kg; SAR(10 g) = 0.048 W/kg**
Maximum value of SAR (measured) = 0.117 W/kg




0 dB = 0.117 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.11.04

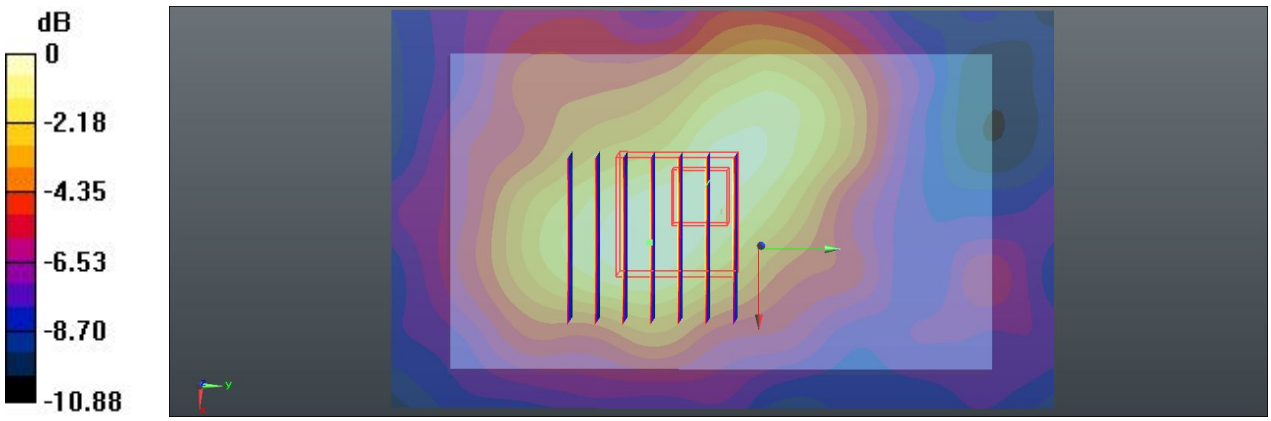
**84 WLAN 2.4GHz_802.11n_Front_1Cm_Ch1**

Communication System: 802.11n;Frequency: 2412 MHz;Duty Cycle: 1:1.147
Medium: MSL_2450_131104 Medium parameters used: f = 2412 MHz; $\sigma$ = 1.89 S/m; $\varepsilon_r$ = 51.244; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃；Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.34, 7.34, 7.34); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch1/Area Scan (101x61x1):** Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0503 W/kg

**Ch1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.354 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.0650 W/kg
**SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.023 W/kg**
Maximum value of SAR (measured) = 0.0503 W/kg




0 dB = 0.0503 W/kg