Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/10/24

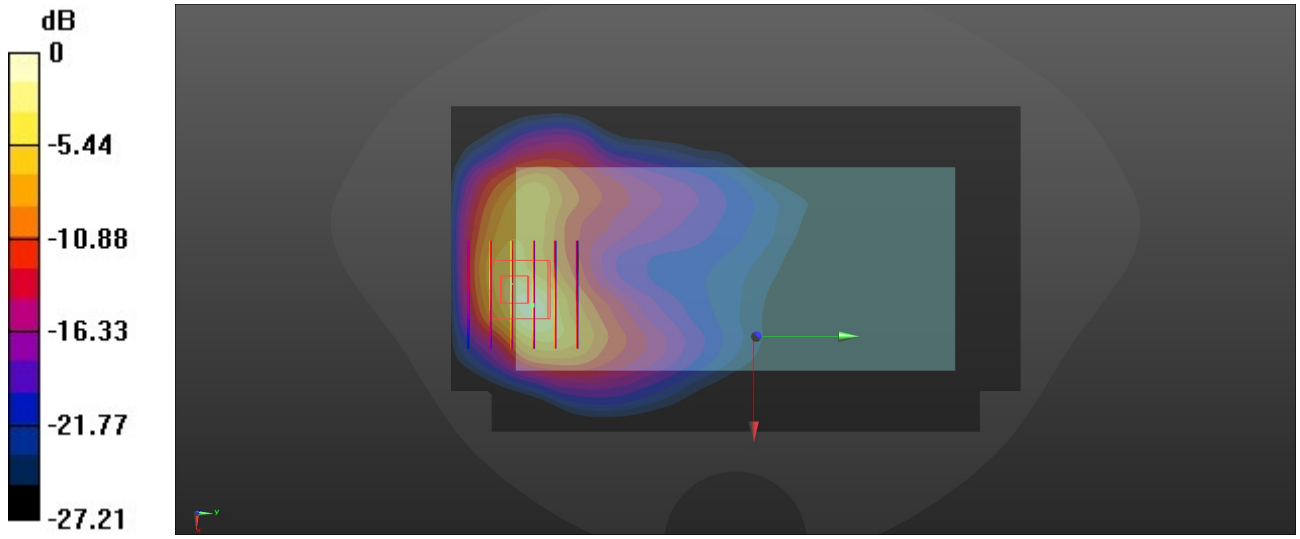
57_GSM1900_GPRS (4 Tx slots)_Back_0mm_Ch810

Communication System: UID 0, PCS (0); Frequency: 1909.8 MHz;Duty Cycle: 1:2.08
Medium: HSL_1900 Medium parameters used: f = 1910 MHz; σ = 1.465 S/m; ε_r = 39.993; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(8.51, 8.51, 8.51); Calibrated: 2022/3/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2022/4/27
- Phantom: Twin-SAM 1; Type: SAM Twin; Serial: 2024
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.32 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.505 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 9.97 W/kg
SAR(1 g) = 3.97 W/kg; SAR(10 g) = 2.04 W/kg
Maximum value of SAR (measured) = 7.71 W/kg



0 dB = 7.71 W/kg = 8.87 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/10/24

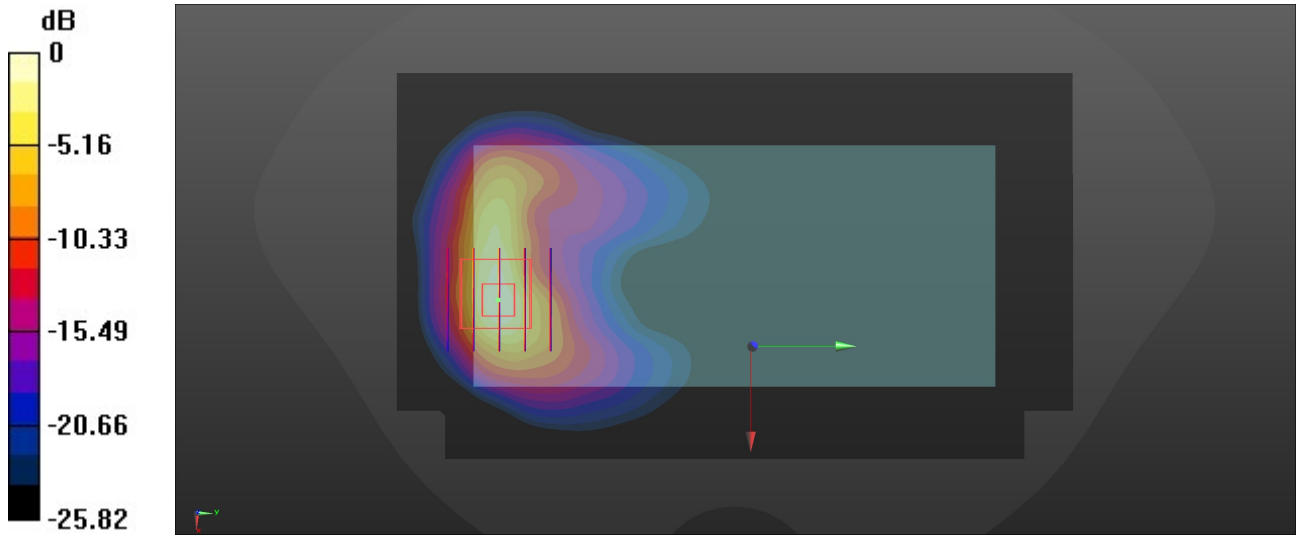
58_WCDMA II_RMC 12.2Kbps_Back_0mm_Ch9400

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900 Medium parameters used: f = 1880 MHz; σ = 1.447 S/m; ε_r = 40.02; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(8.51, 8.51, 8.51); Calibrated: 2022/3/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2022/4/27
- Phantom: Twin-SAM 1; Type: SAM Twin; Serial: 2024
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 15.5 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.609 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 23.4 W/kg
SAR(1 g) = 6.92 W/kg; SAR(10 g) = 2.17 W/kg
Maximum value of SAR (measured) = 16.4 W/kg



0 dB = 16.4 W/kg = 12.15 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/10/24

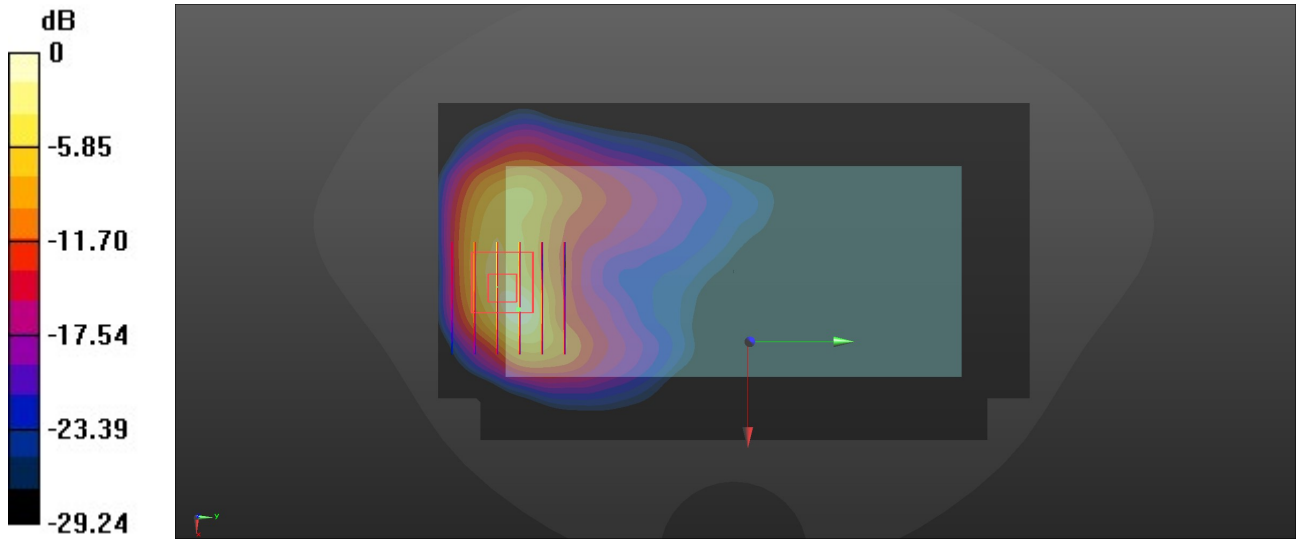
59_LTE Band 2_20M_QPSK_1RB_0Offset_Back_0mm_Ch18900

Communication System: UID 0, LTE-FDD (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900 Medium parameters used: f = 1880 MHz; σ = 1.447 S/m; ε_r = 40.02; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(8.51, 8.51, 8.51); Calibrated: 2022/3/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2022/4/27
- Phantom: Twin-SAM 1; Type: SAM Twin; Serial: 2024
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.97 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 13.7 W/kg
SAR(1 g) = 5.12 W/kg; SAR(10 g) = 2.08 W/kg
Maximum value of SAR (measured) = 9.01 W/kg



0 dB = 9.01 W/kg = 9.55 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/10/28

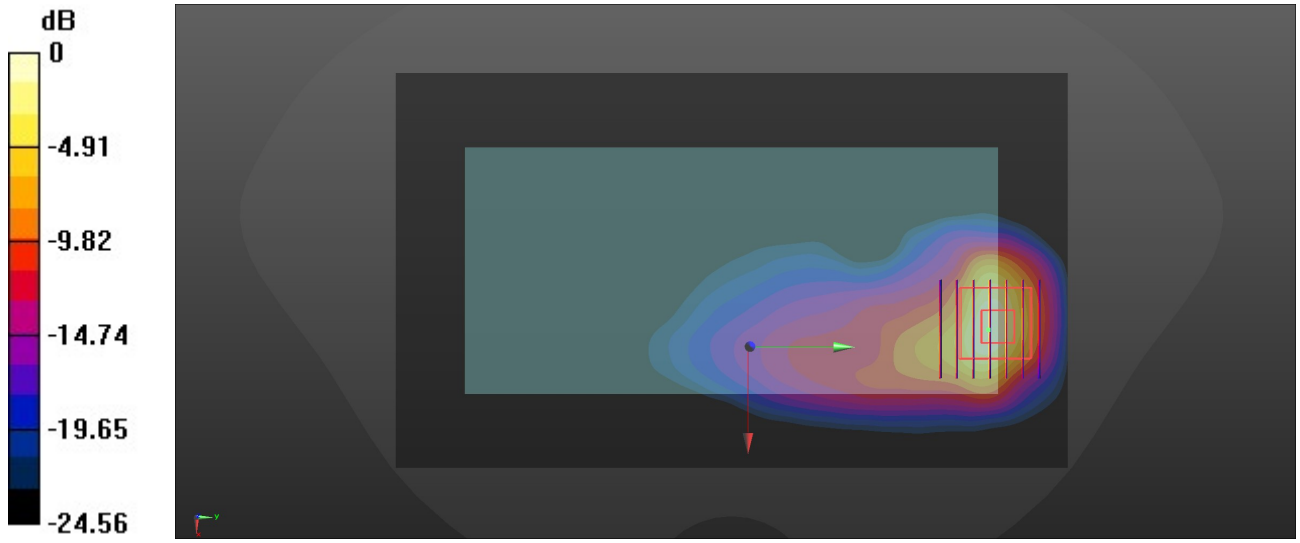
60_LTE Band 7_20M_QPSK_1RB_0Offset_Back_0mm_Ch21350

Communication System: UID 0, LTE-FDD (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium: HSL_2600 Medium parameters used: f = 2560 MHz; σ = 1.958 S/m; ε_r = 40.623; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(7.82, 7.82, 7.82); Calibrated: 2022/3/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2022/4/27
- Phantom: Twin-SAM 1; Type: SAM Twin; Serial: 2024
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 10.3 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.000 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 14.8 W/kg
SAR(1 g) = 5.62 W/kg; SAR(10 g) = 2.11 W/kg
Maximum value of SAR (measured) = 10.2 W/kg



0 dB = 10.2 W/kg = 10.09 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/11/12

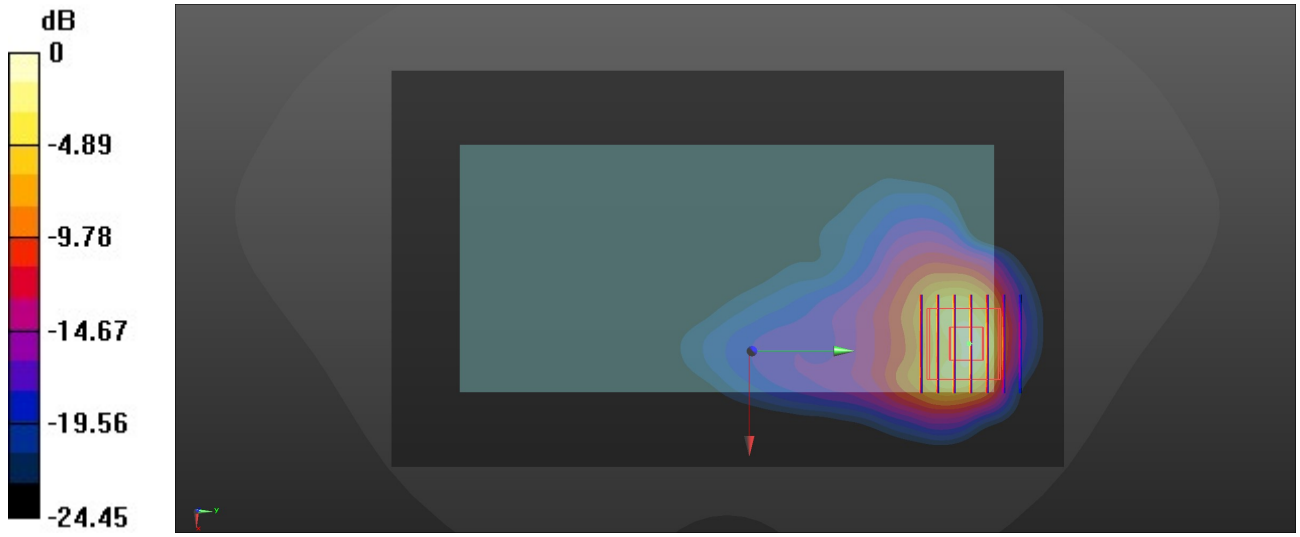
61_LTE Band 41 HPUE_20M_QPSK_1RB_0Offset_Back_0mm_Ch41055

Communication System: UID 0, LTE-HPUE (0); Frequency: 2636.5 MHz;Duty Cycle: 1:2.33
Medium: HSL_2600 Medium parameters used: f = 2637 MHz; σ = 2.015 S/m; ε_r = 40.478; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(7.82, 7.82, 7.82); Calibrated: 2022/3/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2022/4/27
- Phantom: Twin-SAM 1; Type: SAM Twin; Serial: 2024
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 6.92 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.4740 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 13.8 W/kg
SAR(1 g) = 5.47 W/kg; SAR(10 g) = 2.09 W/kg
Maximum value of SAR (measured) = 8.00 W/kg



0 dB = 8.00 W/kg = 9.03 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/10/28

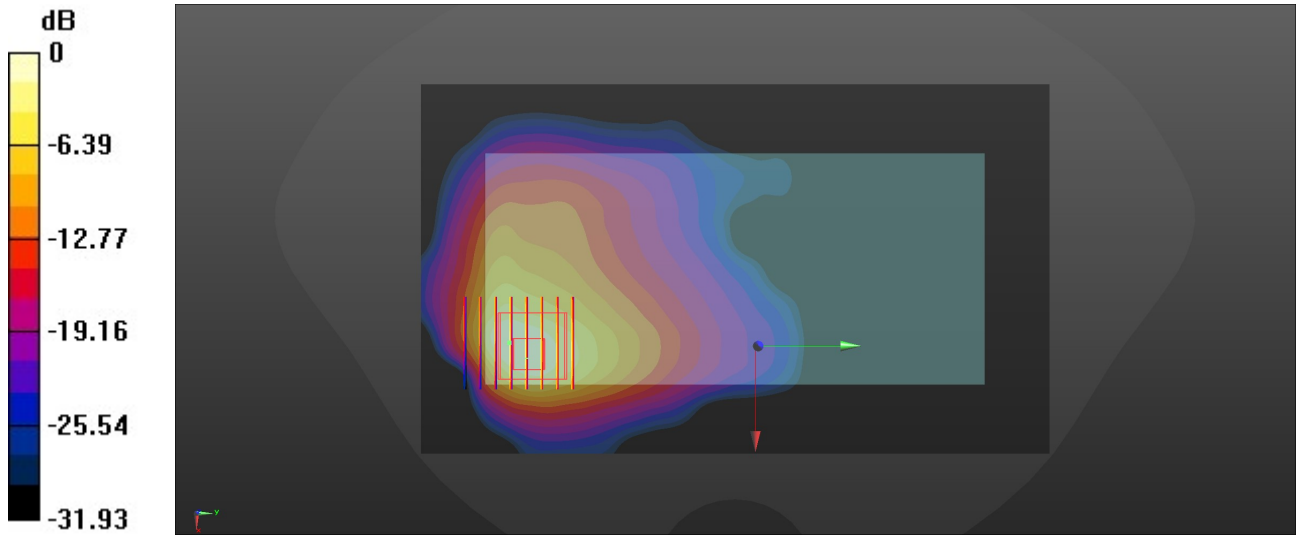
62_FR1 n7_40M_QPSK_108RB_54Offset_Back_0mm_Ch507000

Communication System: UID 0, 5G NR (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium: HSL_2600 Medium parameters used: f = 2535 MHz; σ = 1.939 S/m; ε_r = 40.633; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(7.82, 7.82, 7.82); Calibrated: 2022/3/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2022/4/27
- Phantom: Twin-SAM 1; Type: SAM Twin; Serial: 2024
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 10.5 W/kg

Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.484 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 13.6 W/kg
SAR(1 g) = 5.28 W/kg; SAR(10 g) = 2.28 W/kg
Maximum value of SAR (measured) = 8.92 W/kg



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

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/10/30

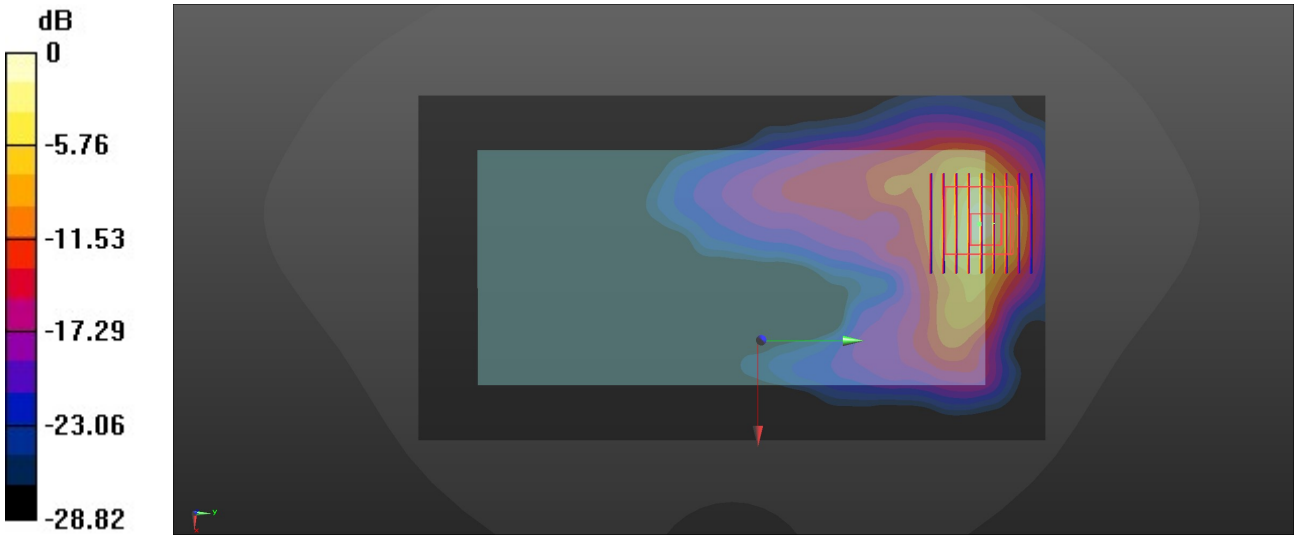
63_LTE Band 42 part27Q_20M_QPSK_1RB_0Offset_Back_0mm_Ch42590

Communication System: UID 0, LTE-TDD (0); Frequency: 3500 MHz;Duty Cycle: 1:1.59
Medium: HSL_3500 Medium parameters used: f = 3500 MHz; σ = 2.835 S/m; ε_r = 39.048; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(7.34, 7.34, 7.34); Calibrated: 2022/3/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2022/4/27
- Phantom: Twin-SAM 1; Type: SAM Twin; Serial: 2024
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (111x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 15.6 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 2.718 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 28.0 W/kg
SAR(1 g) = 7.65 W/kg; SAR(10 g) = 2.15 W/kg
Maximum value of SAR (measured) = 16.9 W/kg



0 dB = 16.9 W/kg = 12.28 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/11/10

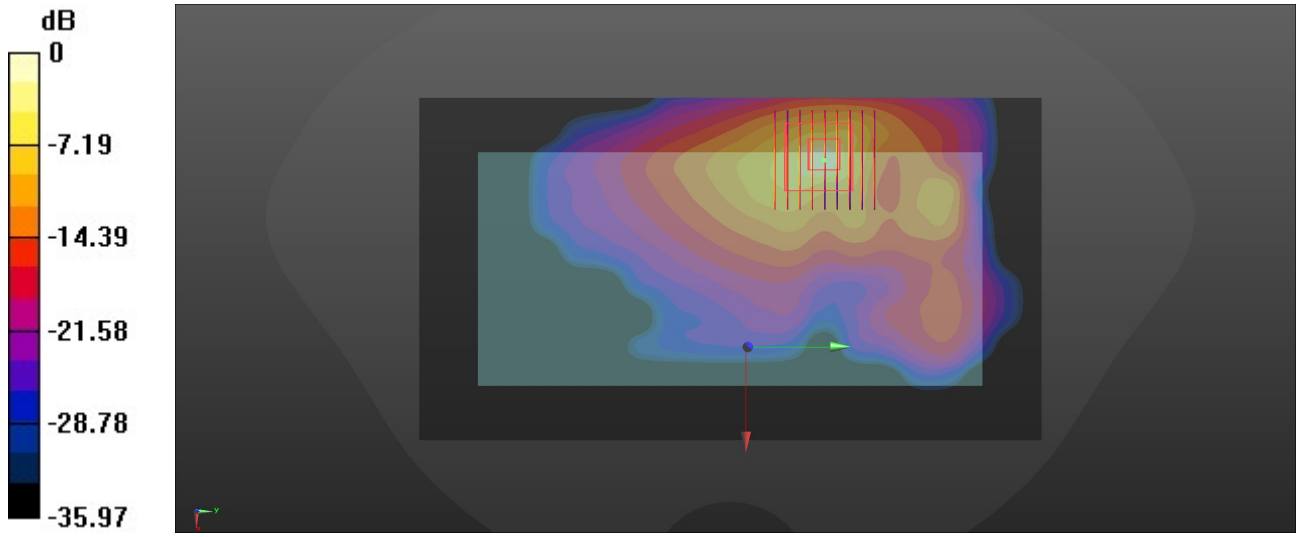
64_FR1 n77 HPUE_100M_QPSK_135RB_69Offset_Back_0mm_Ch656000

Communication System: UID 0, 5G NR (0); Frequency: 3840 MHz;Duty Cycle: 1:1
Medium: HSL_3900 Medium parameters used: f = 3840 MHz; σ = 3.165 S/m; ε_r = 38.503; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7706; ConvF(7.2, 7.2, 7.2); Calibrated: 2022/1/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1649; Calibrated: 2022/3/30
- Phantom: Twin-SAM 1; Type: SAM Twin; Serial: 2074
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (111x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 21.2 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0.2200 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 34.6 W/kg
SAR(1 g) = 7.39 W/kg; SAR(10 g) = 2.16 W/kg
Maximum value of SAR (measured) = 21.1 W/kg



0 dB = 21.1 W/kg = 13.24 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/10/26

69_WLAN2.4GHz_802.11b 1Mbps_Back_0mm_Ch1

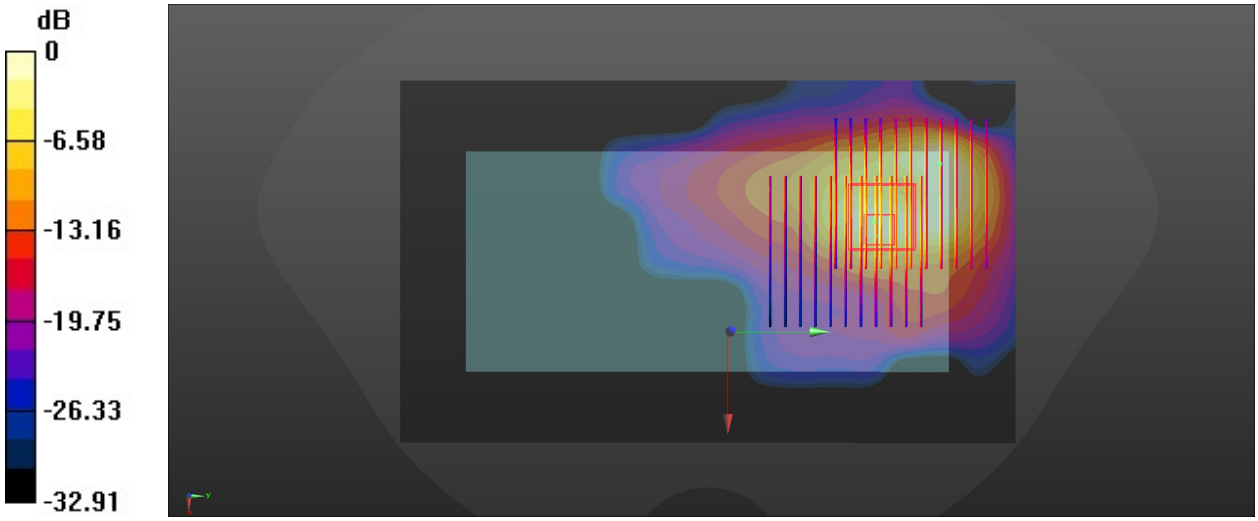
Communication System: UID 0, WLAN2.4GHz (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: HSL_2450 Medium parameters used: f = 2412 MHz; σ = 1.841 S/m; ε_r = 40.867; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(8.13, 8.13, 8.13); Calibrated: 2022/3/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2022/4/27
- Phantom: Twin-SAM 1; Type: SAM Twin; Serial: 2024
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.86 W/kg

Zoom Scan (11x11x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.313 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 5.41 W/kg
SAR(1 g) = 2.03 W/kg; SAR(10 g) = 0.905 W/kg
Maximum value of SAR (measured) = 3.48 W/kg

Zoom Scan (11x11x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.313 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 4.83 W/kg
SAR(1 g) = 2.03 W/kg; SAR(10 g) = 0.905 W/kg
Maximum value of SAR (measured) = 3.55 W/kg



0 dB = 3.55 W/kg = 5.51 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/11/3

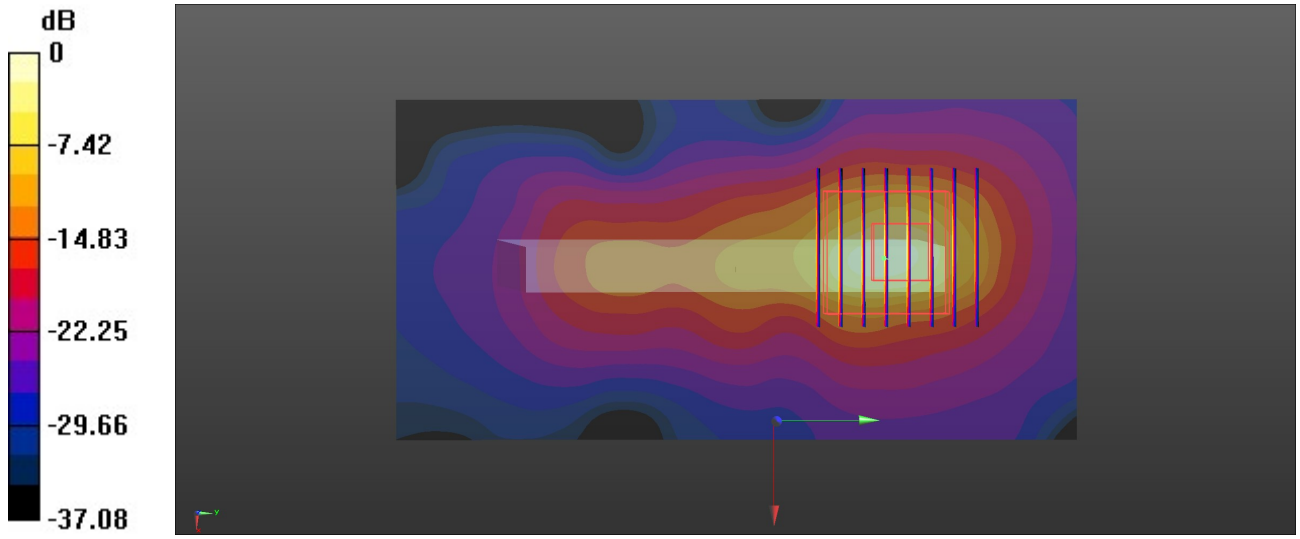
65_WLAN5GHz_802.11n-HT40 MCS0_Top Side_0mm_Ch38

Communication System: UID 0, WLAN5GHz (0); Frequency: 5190 MHz;Duty Cycle: 1:1.038
Medium: HSL_5000 Medium parameters used: f = 5190 MHz; σ = 4.499 S/m; ε_r = 36.44; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(5.7, 5.7, 5.7); Calibrated: 2022/3/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2022/4/27
- Phantom: Twin-SAM 1; Type: SAM Twin; Serial: 2024
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 11.3 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 17.18 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 27.8 W/kg
SAR(1 g) = 4.85 W/kg; SAR(10 g) = 1.2 W/kg
Maximum value of SAR (measured) = 13.9 W/kg



0 dB = 13.9 W/kg = 11.43 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/11/3

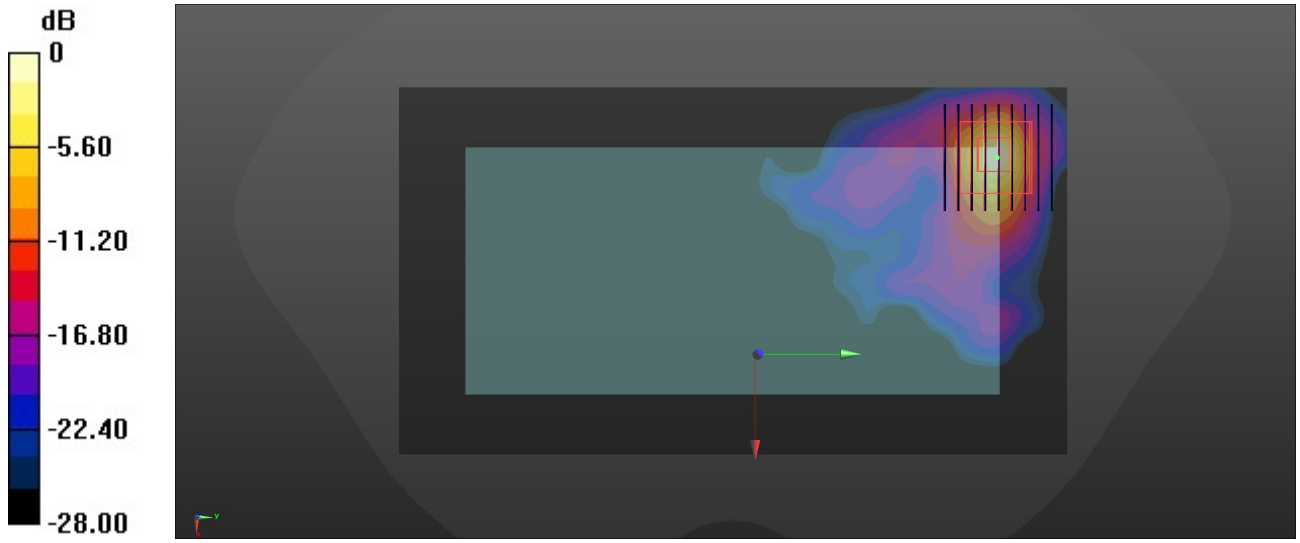
66_WLAN5GHz_802.11n-HT40 MCS0_Back_0mm_Ch54

Communication System: UID 0, WLAN5GHz (0); Frequency: 5270 MHz;Duty Cycle: 1:1.038
Medium: HSL_5000 Medium parameters used: f = 5270 MHz; σ = 4.61 S/m; ε_r = 36.284; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(5.7, 5.7, 5.7); Calibrated: 2022/3/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2022/4/27
- Phantom: Twin-SAM 1; Type: SAM Twin; Serial: 2024
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (111x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 11.9 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 21.0 W/kg
SAR(1 g) = 4.52 W/kg; SAR(10 g) = 1.01 W/kg
Maximum value of SAR (measured) = 12.8 W/kg



0 dB = 12.8 W/kg = 11.07 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/11/6

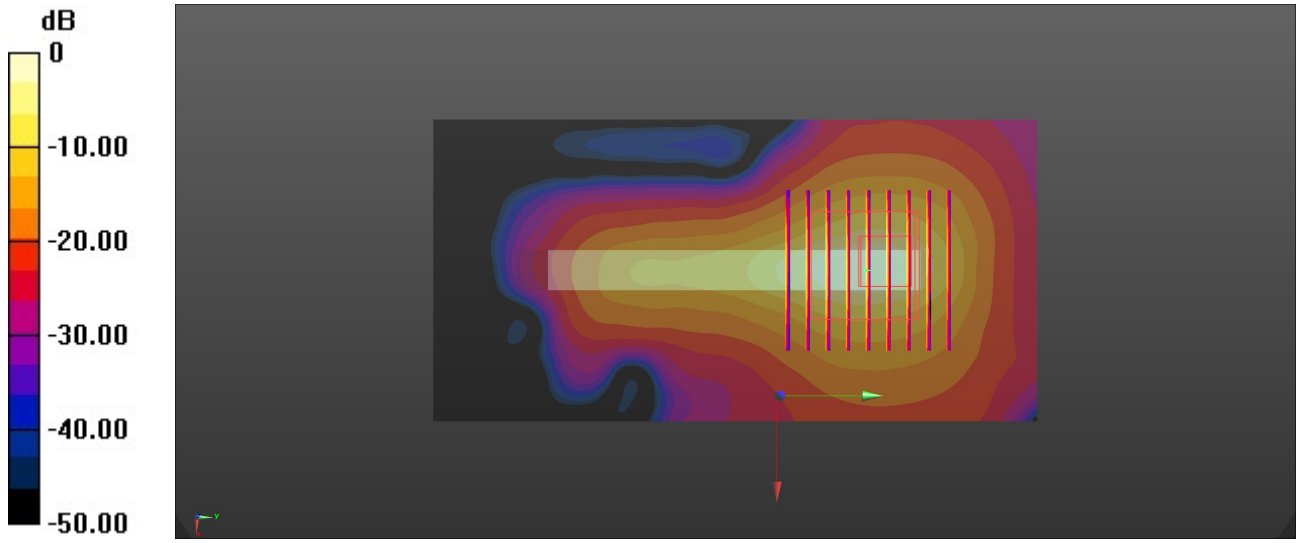
67_WLAN5GHz_802.11n-HT40 MCS0_Top Side_0mm_Ch142

Communication System: UID 0, WLAN5GHz (0); Frequency: 5710 MHz;Duty Cycle: 1:1.038
Medium: HSL_5000 Medium parameters used: f = 5710 MHz; σ = 5.083 S/m; ε_r = 35.569; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(5.15, 5.15, 5.15); Calibrated: 2022/3/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2022/4/27
- Phantom: Twin-SAM 1; Type: SAM Twin; Serial: 2024
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.72 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0.5200 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 21.5 W/kg
SAR(1 g) = 3.16 W/kg; SAR(10 g) = 0.873 W/kg
Maximum value of SAR (measured) = 9.12 W/kg



0 dB = 9.12 W/kg = 9.60 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/11/6

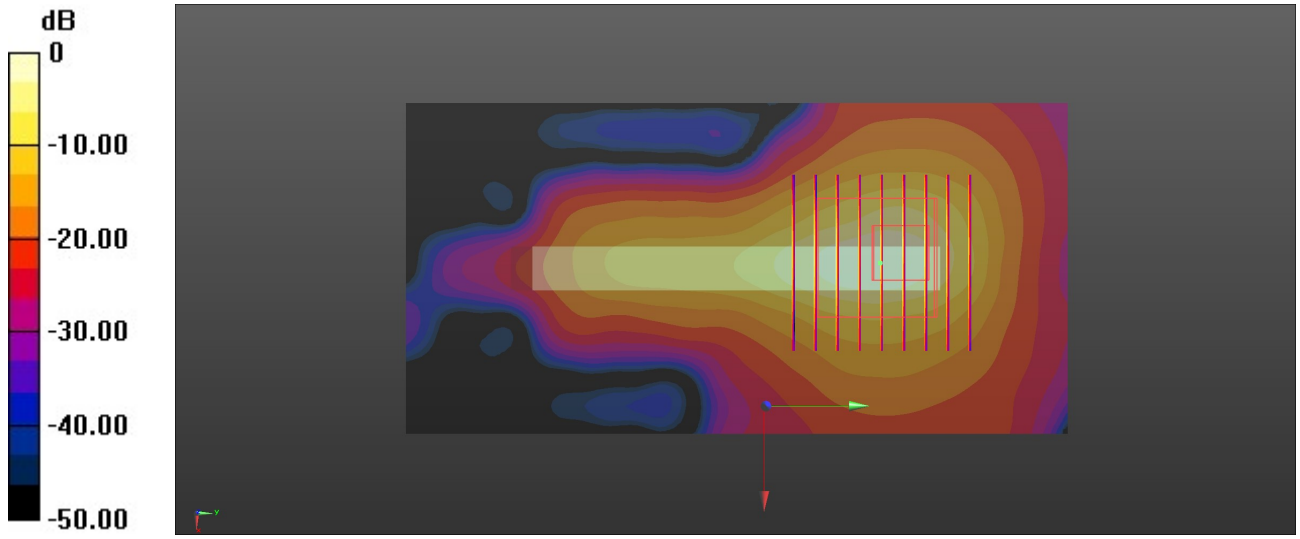
68_WLAN5GHz_802.11n-HT40 MCS0_Top Side_0mm_Ch151

Communication System: UID 0, WLAN5GHz (0); Frequency: 5755 MHz;Duty Cycle: 1:1.038
Medium: HSL_5000 Medium parameters used: f = 5755 MHz; σ = 5.125 S/m; ε_r = 35.571; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7630; ConvF(5.15, 5.15, 5.15); Calibrated: 2022/3/4
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2022/4/27
- Phantom: Twin-SAM 1; Type: SAM Twin; Serial: 2024
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.31 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 14.48 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 19.6 W/kg
SAR(1 g) = 3.12 W/kg; SAR(10 g) = 0.876 W/kg
Maximum value of SAR (measured) = 8.33 W/kg



0 dB = 8.33 W/kg = 9.21 dBW/kg