Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/12/25

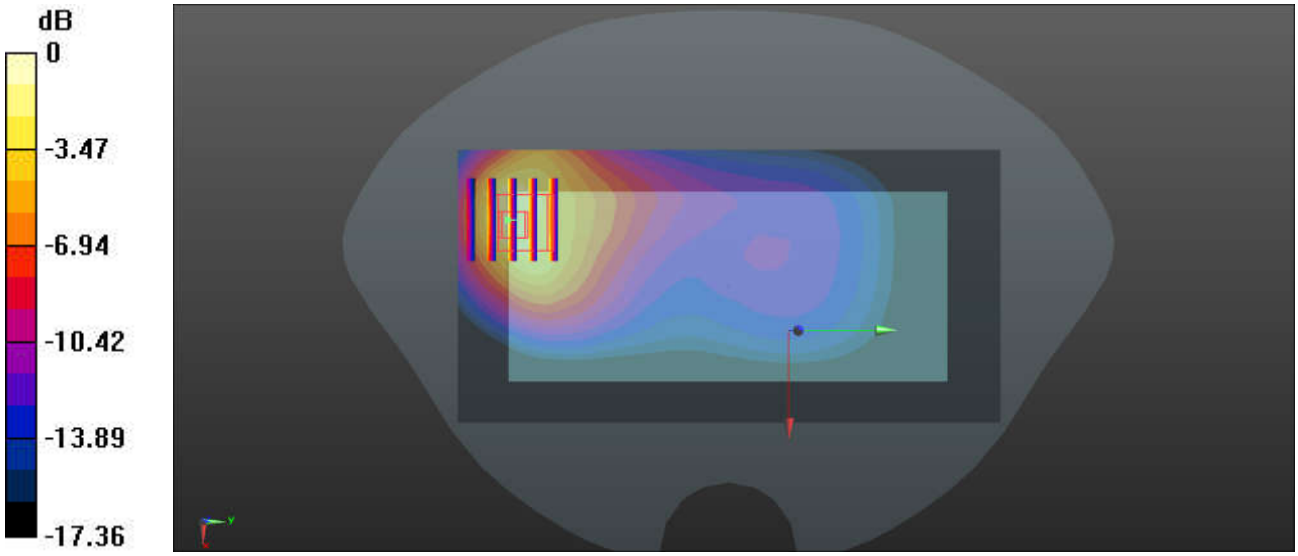
47_FR1 n26_20M_QPSK_1RB_1Offset_Back_5mm_Ch166300

Communication System: UID 0, 5G NR (0); Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium: HSL_835 Medium parameters used: f = 831.5 MHz; σ = 0.909 S/m; ε_r = 41.973; ρ = 1000 kg/m^3
Ambient Temperature：23.1 °C; Liquid Temperature：22.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(9.31, 9.31, 9.31); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.14 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.25 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.81 W/kg
SAR(1 g) = 0.803 W/kg; SAR(10 g) = 0.430 W/kg
Maximum value of SAR (measured) = 1.42 W/kg



0 dB = 1.42 W/kg = 1.52 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/12/25

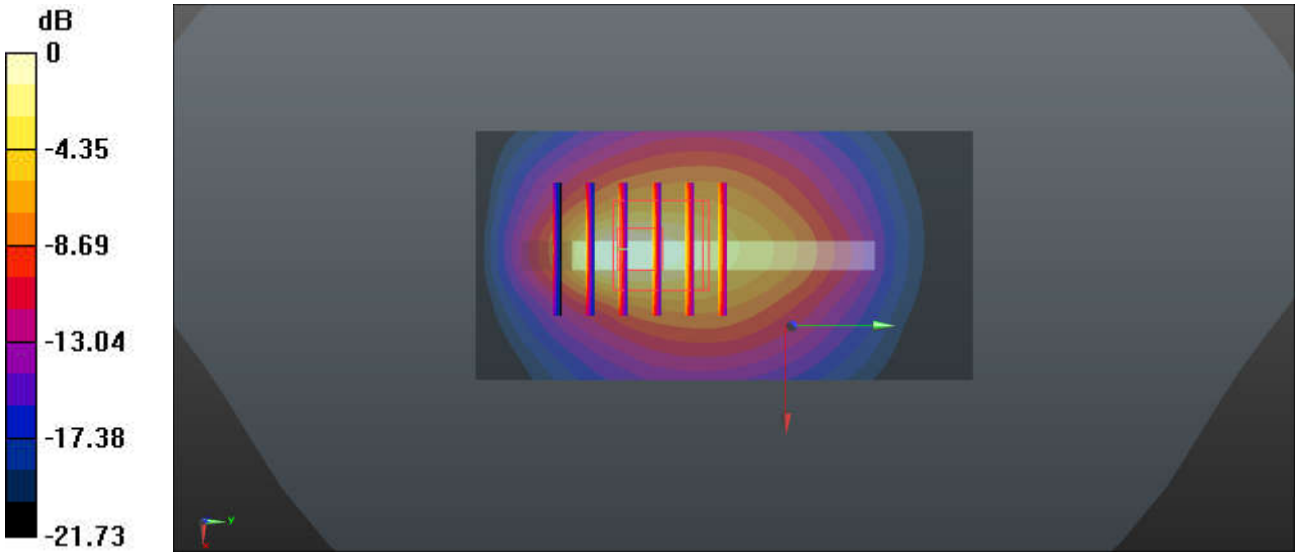
48_FR1 n5_20M_QPSK_1RB_1Offset_Top Side_5mm_Ch167300

Communication System: UID 0, 5G NR (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL_835 Medium parameters used: f = 836.5 MHz; σ = 0.913 S/m; ε_r = 41.948; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(9.31, 9.31, 9.31); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.791 W/kg

Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.186 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.373 W/kg; SAR(10 g) = 0.181 W/kg
Maximum value of SAR (measured) = 0.779 W/kg



0 dB = 0.779 W/kg = -1.08 dBW/kg

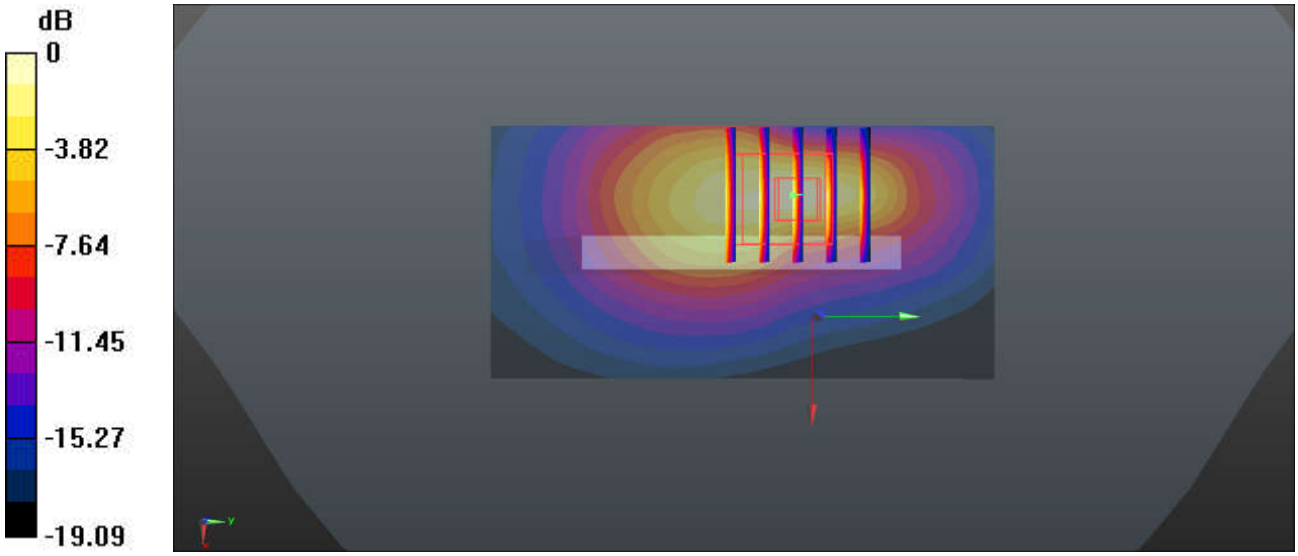
49_WCDMA IV_RMC 12.2Kbps_Bottom Side_5mm_Ch1312

Communication System: UID 0, WCDMA (0); Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium: HSL_1750 Medium parameters used: f = 1712.4 MHz; σ = 1.292 S/m; ε_r = 40.444; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(8.56, 8.56, 8.56); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.43 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.60 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.86 W/kg
SAR(1 g) = 0.901 W/kg; SAR(10 g) = 0.428 W/kg
Maximum value of SAR (measured) = 1.48 W/kg



0 dB = 1.48 W/kg = 1.70 dBW/kg

Date: 2023-03-31

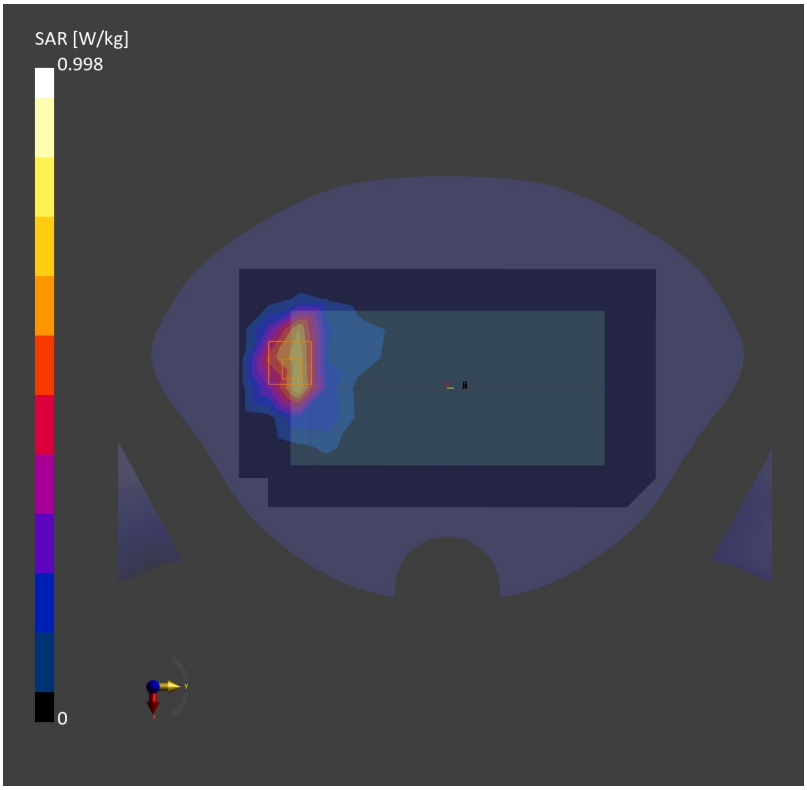
50_LTE Band 66_20M_QPSK_1RB_0Offset_Back_5mm_Ch132322

Communication System: Band 66; Frequency: 1745.0
Medium: HSL. Medium parameters used: f= 1745.0 MHz; σ= 1.34 S/m; ε_r = 41.9
Ambient Temperature: 23.2°C; Liquid Temperature: 22.9°C

DASY6 Configuration:
- Probe: EX3DV4 - SN7734; ConvF(8.69, 8.69, 8.69); Calibrated: 2022-06-17
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1691; Calibrated: 2022-12-12
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2024
- Measurement Software: cDASY6 V6.6.0.13926

Area Scan (120.0 mm x 210.0 mm): Measurement Grid: 15.0 mm x 15.0 mm
SAR (1g) = 0.660 W/kg; SAR (10g) = 0.381 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.9 mm x 5.9 mm x 1.5 mm
Power Drift = 0.07 dB
SAR (1g) = 0.998 W/kg; SAR (10g) = 0.428 W/kg;



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/12/27

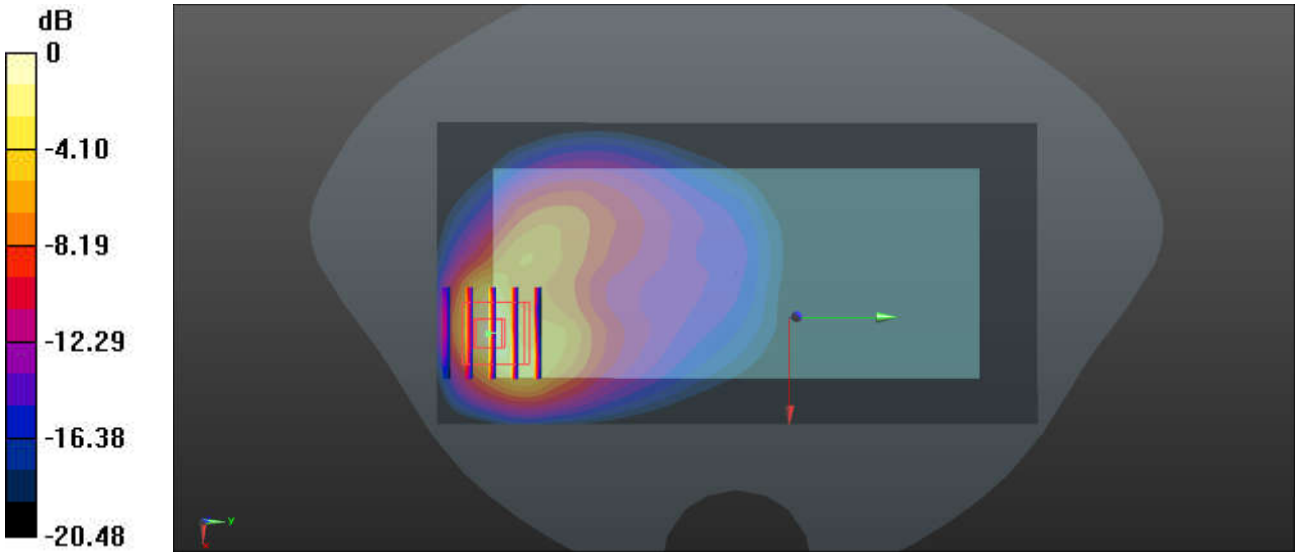
51_FR1 n66_40M_QPSK_108RB_54Offset_Back_5mm_Ch349000

Communication System: UID 0, 5G NR (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: HSL_1750 Medium parameters used: f = 1745 MHz; σ = 1.311 S/m; ε_r = 40.238; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(8.56, 8.56, 8.56); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.58 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.739 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 2.16 W/kg
SAR(1 g) = 0.981 W/kg; SAR(10 g) = 0.450 W/kg
Maximum value of SAR (measured) = 1.82 W/kg



0 dB = 1.82 W/kg = 2.60 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2023/1/17

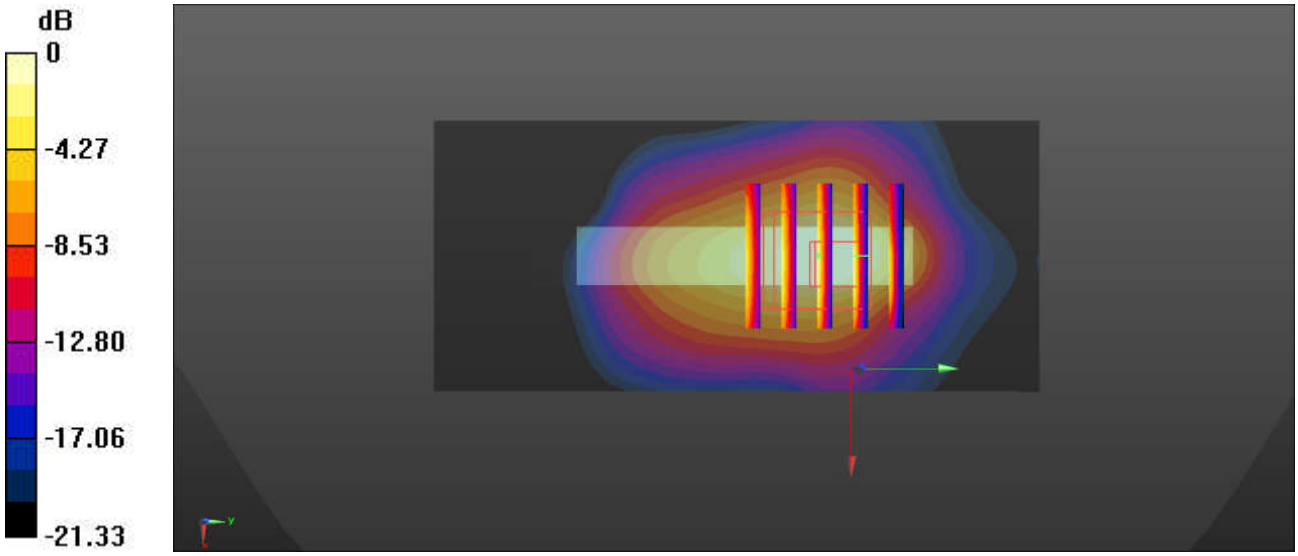
52_FR1 n70_15M_QPSK_36RB_22Offset_Bottom Side_5mm_Ch340500

Communication System: UID 0, 5G NR (0); Frequency: 1702.5 MHz;Duty Cycle: 1:1
Medium: HSL_1750 Medium parameters used: f = 1702.5 MHz; σ = 1.366 S/m; ε_r = 40.604; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(8.56, 8.56, 8.56); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (41x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.05 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.087 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.78 W/kg
SAR(1 g) = 0.705 W/kg; SAR(10 g) = 0.318 W/kg
Maximum value of SAR (measured) = 0.93 W/kg



0 dB = 0.93 W/kg = -0.33 dBW/kg

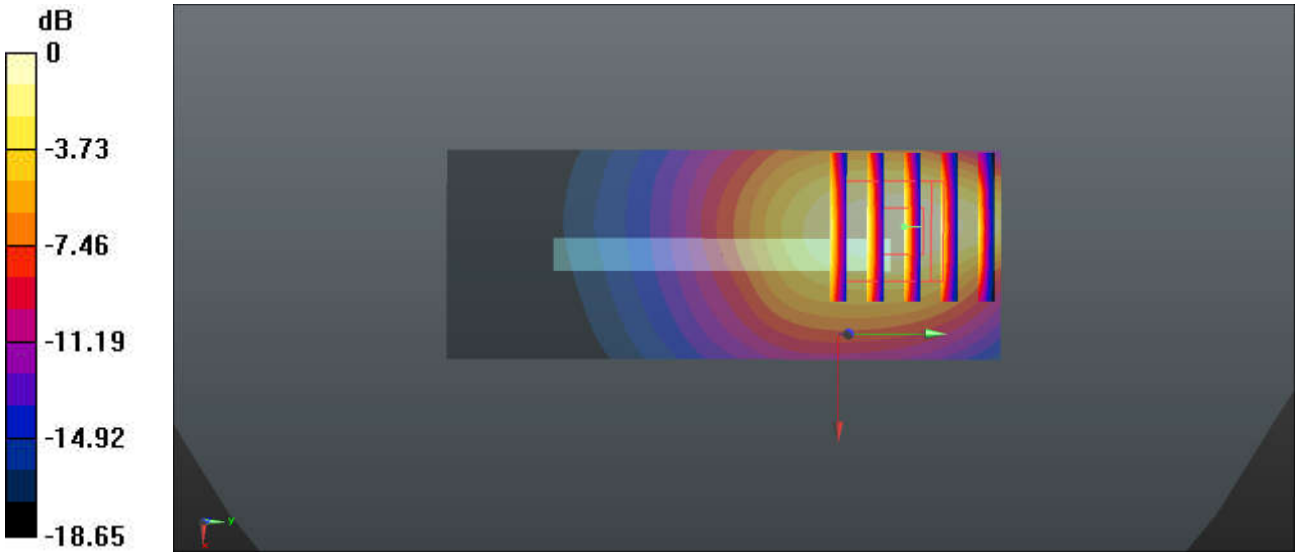
53_GSM1900_GPRS (3 Tx slots)_Top Side_5mm_Ch661

Communication System: UID 0, PCS (0); Frequency: 1880 MHz;Duty Cycle: 1:2.77
Medium: HSL_1900 Medium parameters used: f = 1880 MHz; σ = 1.406 S/m; ε_r = 40.168; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(8.24, 8.24, 8.24); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (31x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.28 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.61 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.43 W/kg
SAR(1 g) = 0.734 W/kg; SAR(10 g) = 0.395 W/kg
Maximum value of SAR (measured) = 1.18 W/kg



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

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/12/29

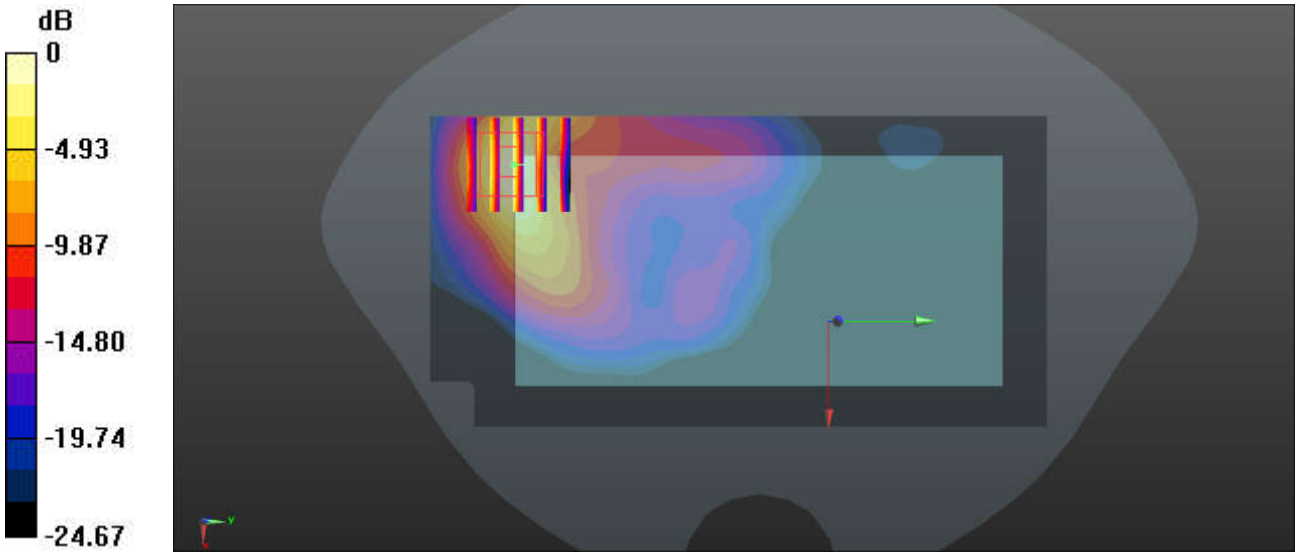
54_WCDMA II_RMC 12.2Kbps_Back_5mm_Ch9400

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900 Medium parameters used: f = 1880 MHz; σ = 1.406 S/m; ε_r = 40.168; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(8.24, 8.24, 8.24); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.35 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.254 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.00 W/kg
SAR(1 g) = 0.892 W/kg; SAR(10 g) = 0.386 W/kg
Maximum value of SAR (measured) = 1.53 W/kg



0 dB = 1.53 W/kg = 1.85 dBW/kg

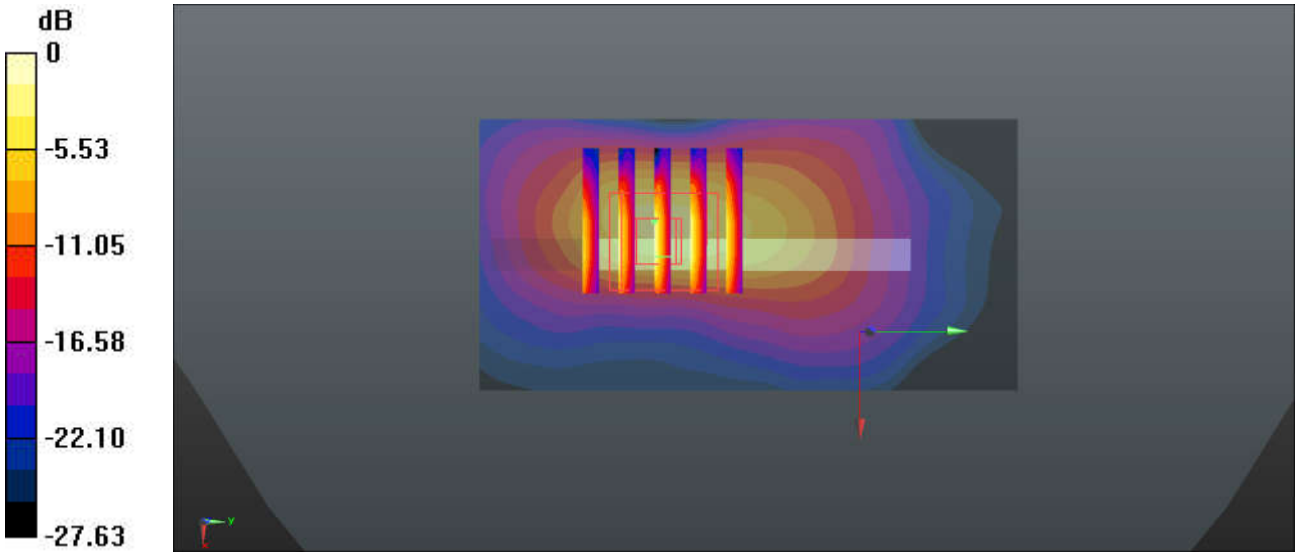
55_LTE Band 25_20M_QPSK_1RB_0Offset_Bottom Side_5mm_Ch26340

Communication System: UID 0, LTE-FDD (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900 Medium parameters used: f = 1880 MHz; σ = 1.406 S/m; ε_r = 40.168; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(8.24, 8.24, 8.24); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.81 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.79 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 2.35 W/kg
SAR(1 g) = 0.960 W/kg; SAR(10 g) = 0.375 W/kg
Maximum value of SAR (measured) = 1.49 W/kg



0 dB = 1.49 W/kg = 1.74 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/12/29

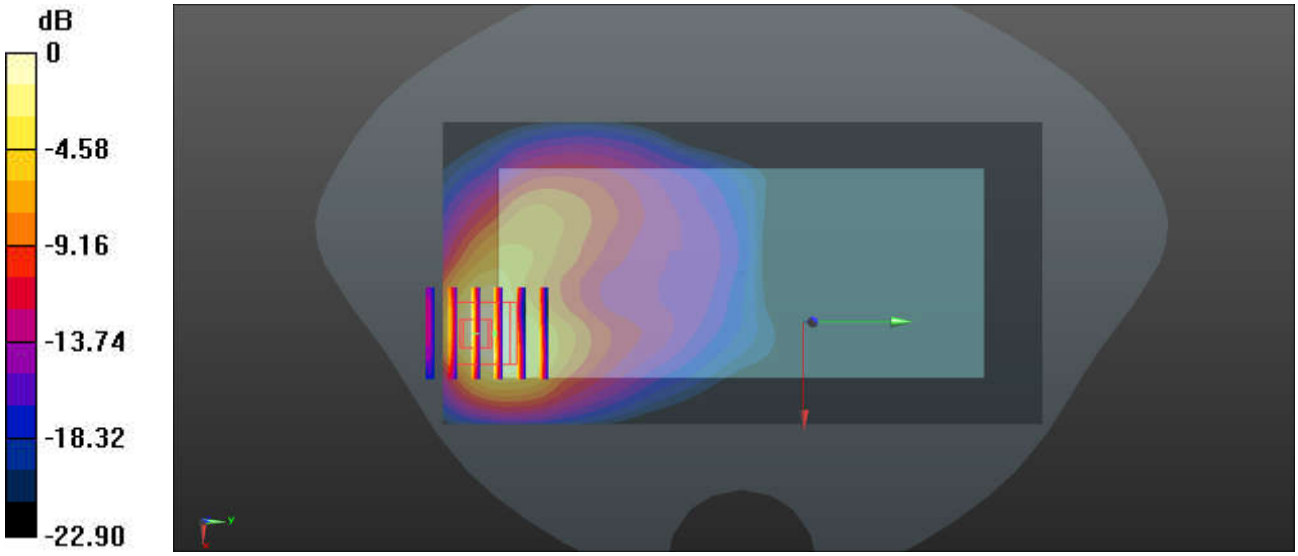
56_FR1 n25_40M_QPSK_108RB_54Offset_Back_5mm_Ch376500

Communication System: UID 0, 5G NR (0); Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: HSL_1900 Medium parameters used: f = 1882.5 MHz; σ = 1.407 S/m; ε_r = 40.181; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(8.24, 8.24, 8.24); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.64 W/kg

Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.382 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.85 W/kg
SAR(1 g) = 0.874 W/kg; SAR(10 g) = 0.399 W/kg
Maximum value of SAR (measured) = 1.45 W/kg



0 dB = 1.45 W/kg = 1.61 dBW/kg

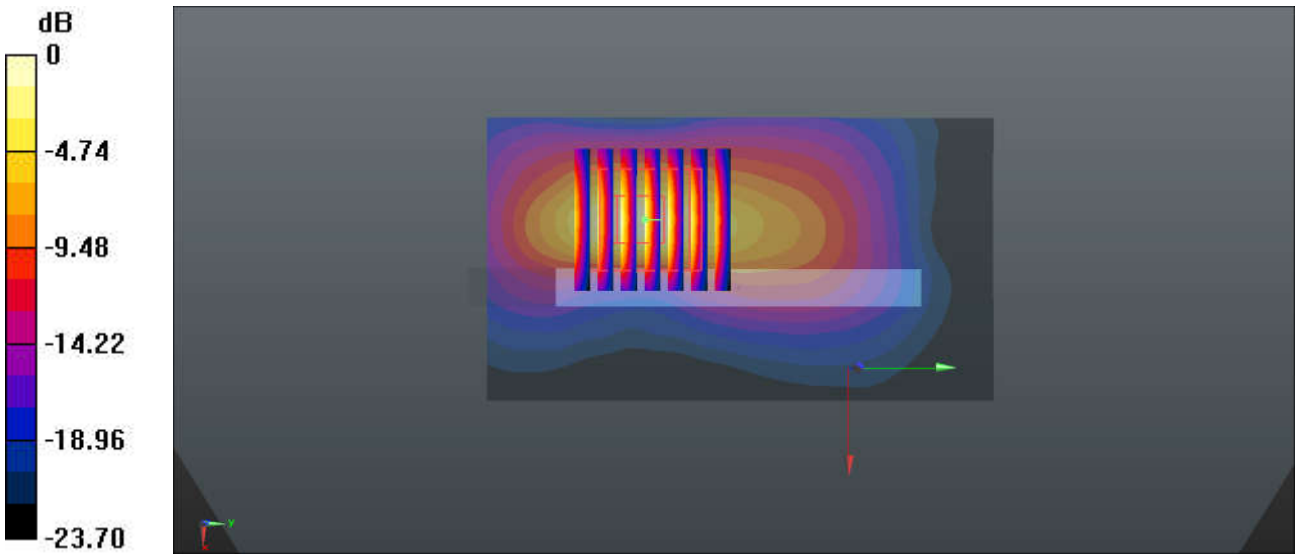
57_LTE Band 30_10M_QPSK_50RB_0Offset_Bottom Side_5mm_Ch27710

Communication System: UID 0, LTE-FDD (0); Frequency: 2310 MHz;Duty Cycle: 1:1
Medium: HSL_2300 Medium parameters used: f = 2310 MHz; σ = 1.651 S/m; ε_r = 39.636; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(7.79, 7.79, 7.79); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (51x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.73 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.771 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 2.35 W/kg
SAR(1 g) = 0.989 W/kg; SAR(10 g) = 0.382 W/kg
Maximum value of SAR (measured) = 1.82 W/kg



0 dB = 1.82 W/kg = 2.60 dBW/kg

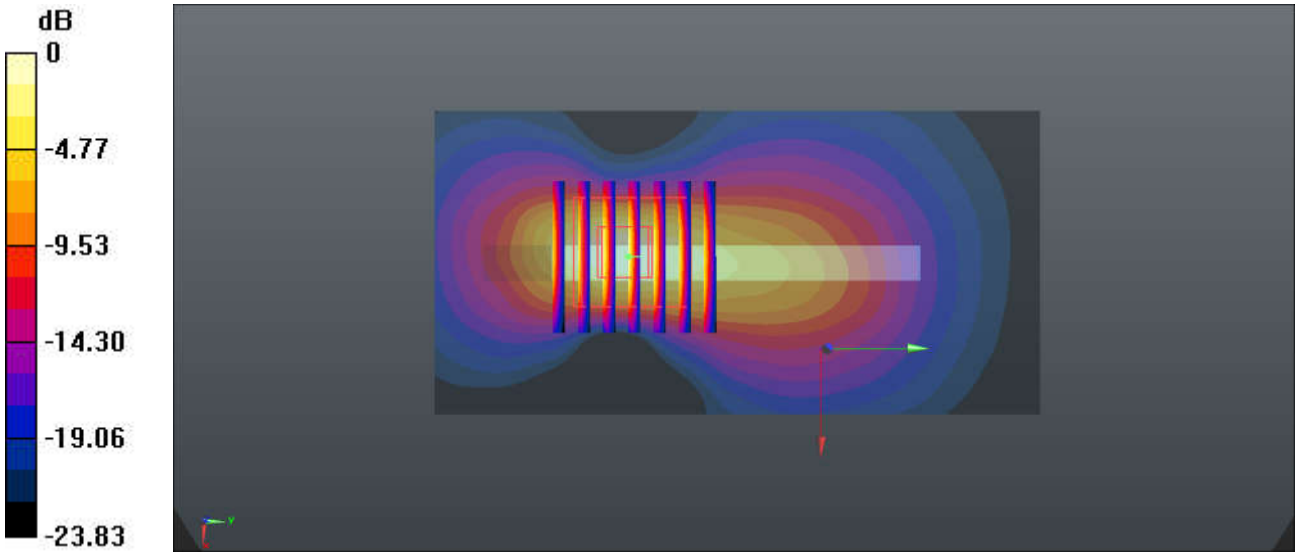
58_FR1 n30_10M_QPSK_25RB_14Offset_Bottom Side_5mm_Ch462000

Communication System: UID 0, 5G NR (0); Frequency: 2310 MHz;Duty Cycle: 1:1
Medium: HSL_2300 Medium parameters used: f = 2310 MHz; σ = 1.651 S/m; ε_r = 39.636; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(7.79, 7.79, 7.79); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (51x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.87 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 20.80 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 2.44 W/kg
SAR(1 g) = 1 W/kg; SAR(10 g) = 0.387 W/kg
Maximum value of SAR (measured) = 1.90 W/kg



0 dB = 1.90 W/kg = 2.79 dBW/kg

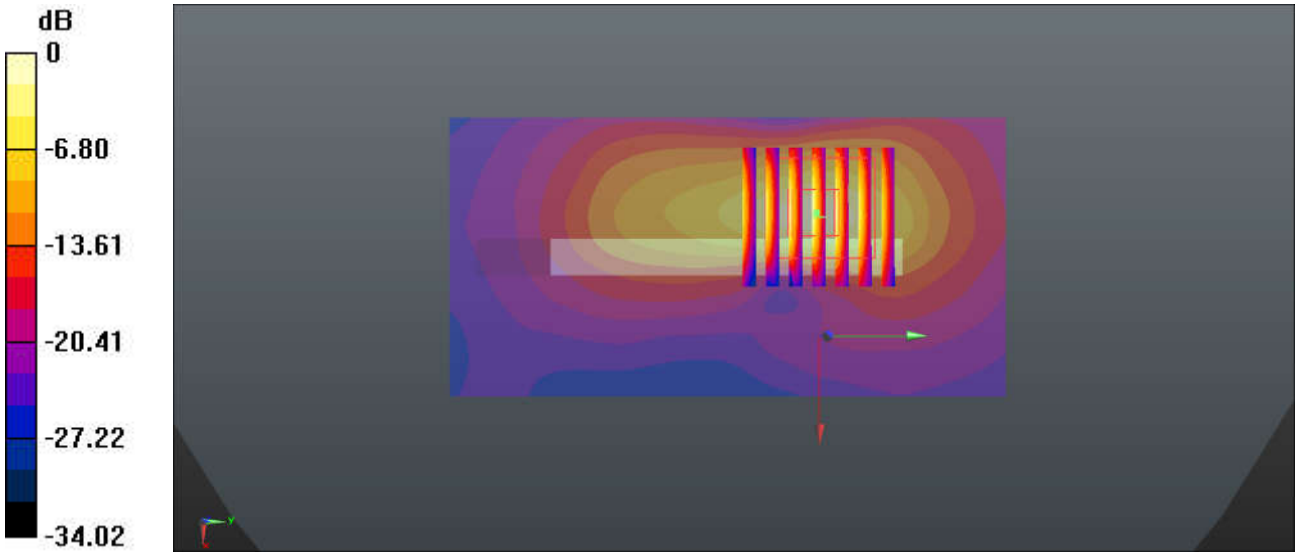
59_LTE Band 7_20M_QPSK_1RB_0Offset_Bottom Side_5mm_Ch21100

Communication System: UID 0, LTE-FDD (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium: HSL_2600 Medium parameters used: f = 2535 MHz; σ = 1.954 S/m; ε_r = 40.37; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(7.35, 7.35, 7.35); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (51x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.71 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.545 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 2.57 W/kg
SAR(1 g) = 0.989 W/kg; SAR(10 g) = 0.346 W/kg
Maximum value of SAR (measured) = 1.90 W/kg



0 dB = 1.90 W/kg = 2.79 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2023/1/1

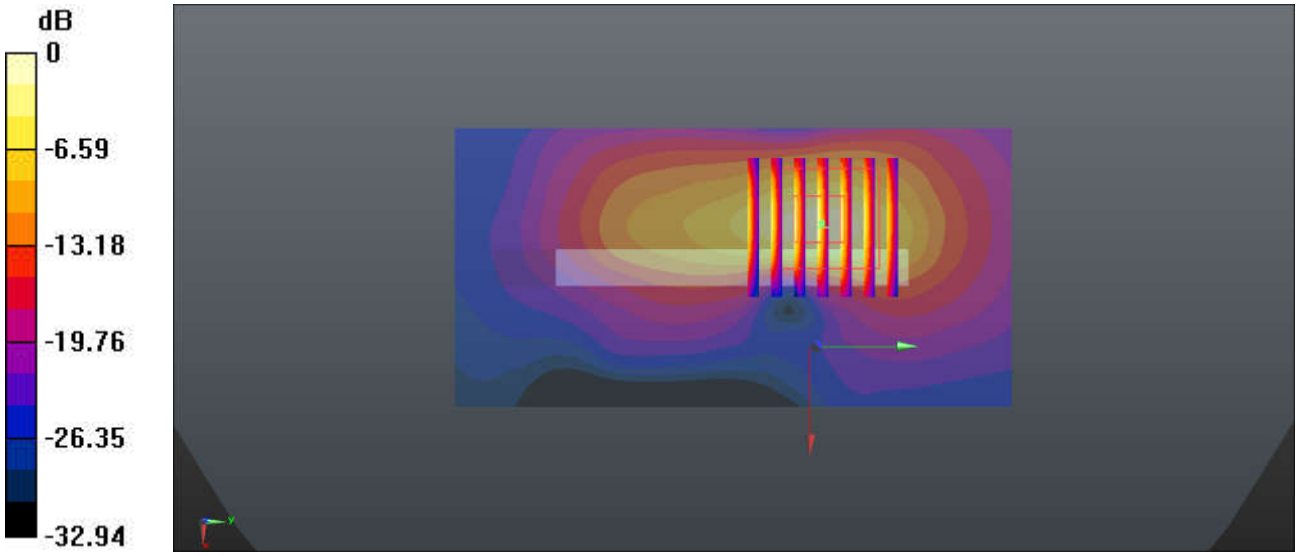
60_LTE Band 41_20M_QPSK_1RB_0Offset_Bottom Side_5mm_Ch41490

Communication System: UID 0, LTE-TDD (0); Frequency: 2680 MHz;Duty Cycle: 1:1.59
Medium: HSL_2600 Medium parameters used: f = 2680 MHz; σ = 2.105 S/m; ε_r = 40.081; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(7.35, 7.35, 7.35); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (51x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.98 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.607 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 2.92 W/kg
SAR(1 g) = 0.990 W/kg; SAR(10 g) = 0.365 W/kg
Maximum value of SAR (measured) = 2.15 W/kg



0 dB = 2.15 W/kg = 3.32 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2023/1/1

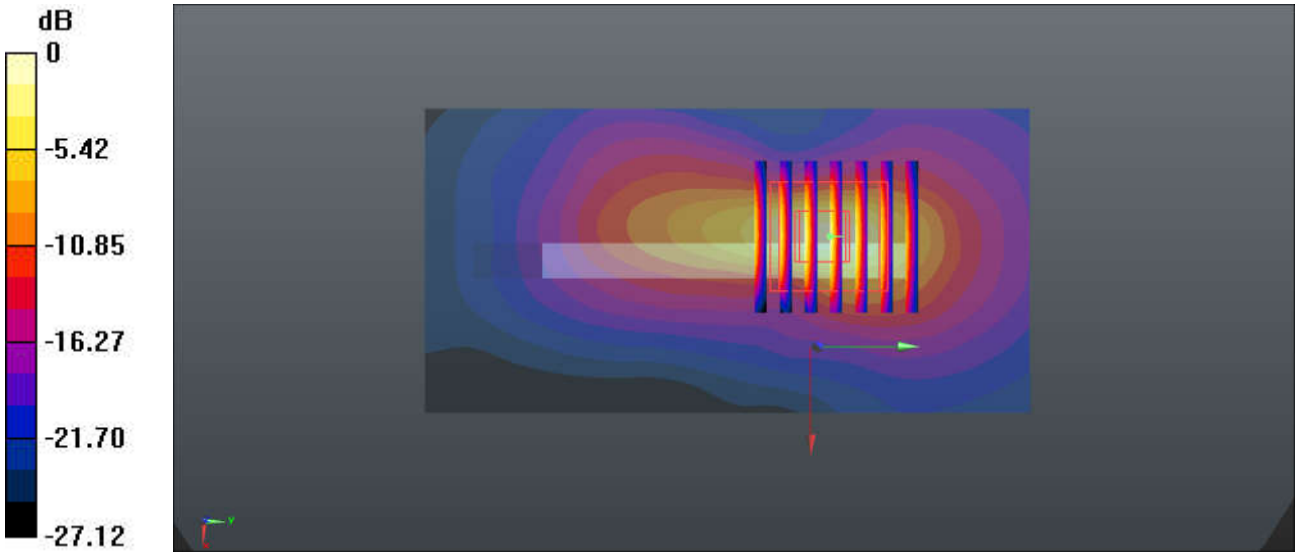
61_FR1 n7_40M_QPSK_108RB_54Offset_Bottom Side_5mm_Ch507000

Communication System: UID 0, 5G NR (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium: HSL_2600 Medium parameters used: f = 2535 MHz; σ = 1.954 S/m; ε_r = 40.37; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(7.35, 7.35, 7.35); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (51x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.52 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.571 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 2.44 W/kg
SAR(1 g) = 0.933 W/kg; SAR(10 g) = 0.324 W/kg
Maximum value of SAR (measured) = 1.81 W/kg



0 dB = 1.81 W/kg = 2.58 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2023/1/1

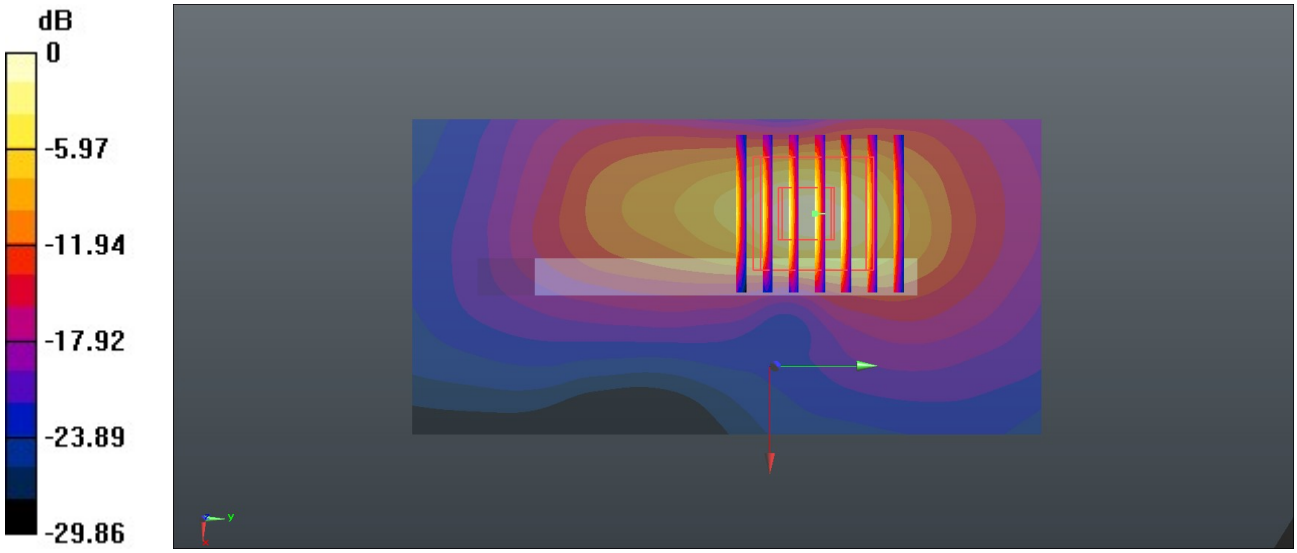
62_FR1 n41_100M_QPSK_1RB_1Offset_Bottom Side_5mm_Ch518598

Communication System: UID 0, 5G NR (0); Frequency: 2592.99 MHz;Duty Cycle: 1:1
Medium: HSL_2600 Medium parameters used: f = 2592.99 MHz; σ = 2.032 S/m; ε_r = 40.339; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(7.35, 7.35, 7.35); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (51x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.45 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.540 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 2.22 W/kg
SAR(1 g) = 0.934 W/kg; SAR(10 g) = 0.357 W/kg
Maximum value of SAR (measured) = 1.68 W/kg



0 dB = 1.68 W/kg = 2.25 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2023/1/23

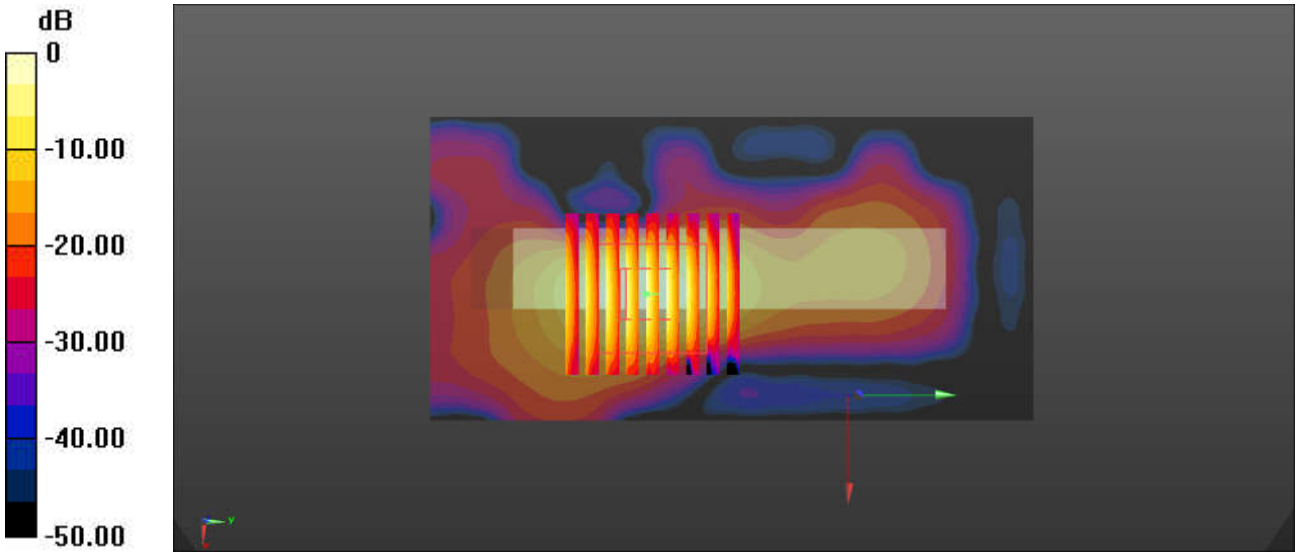
63_LTE Band 48_20M_QPSK_1RB_0Offset_Bottom Side_5mm_Ch55830

Communication System: UID 0, LTE-TDD (0); Frequency: 3609 MHz;Duty Cycle: 1:1.59
Medium: HSL_3700 Medium parameters used: f = 3609 MHz; σ = 2.967 S/m; ε_r = 38.818; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(6.98, 6.98, 6.98); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- 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) = 2.13 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 20.38 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 2.65 W/kg
SAR(1 g) = 0.801 W/kg; SAR(10 g) = 0.227 W/kg
Maximum value of SAR (measured) = 1.82 W/kg



0 dB = 1.82 W/kg = 2.61 dBW/kg

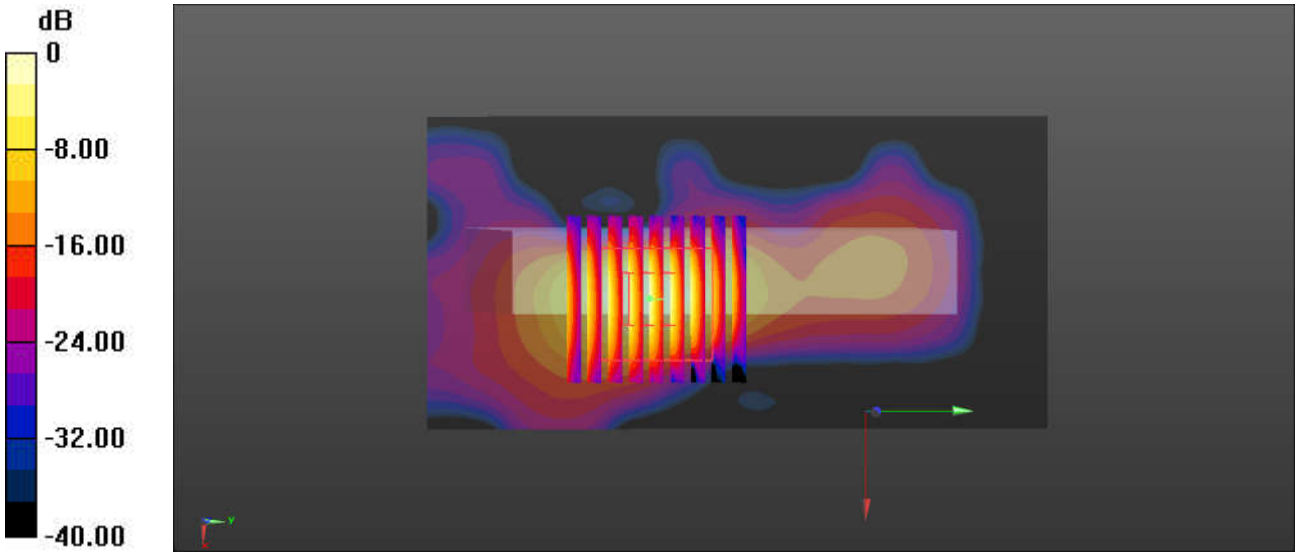
64_FR1 n48_40M_QPSK_100RB_0Offset_Bottom Side_5mm_Ch641666

Communication System: UID 0, 5G NR (0); Frequency: 3624.99 MHz;Duty Cycle: 1:1
Medium: HSL_3700 Medium parameters used: f = 3625 MHz; σ = 2.952 S/m; ε_r = 38.833; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(6.98, 6.98, 6.98); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- 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) = 1.94 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 20.28 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 2.41 W/kg
SAR(1 g) = 0.720 W/kg; SAR(10 g) = 0.205 W/kg
Maximum value of SAR (measured) = 1.66 W/kg



0 dB = 1.66 W/kg = 2.20 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2023/1/7

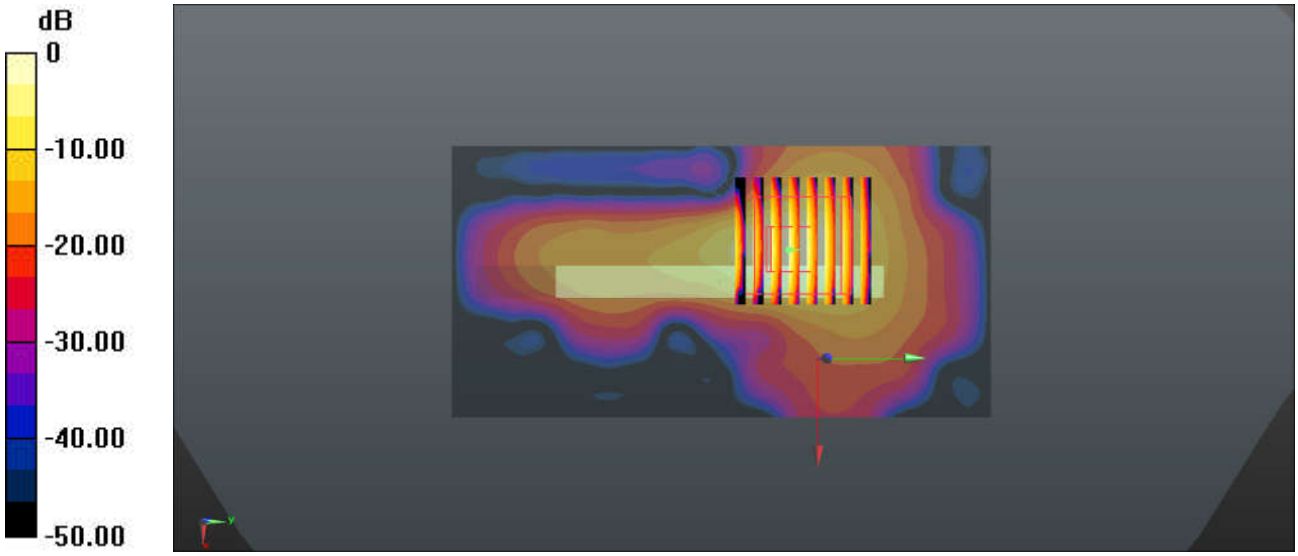
65_FR1 n77_Part27O_100M_QPSK_1RB_1Offset_Bottom Side_5mm_Ch656000

Communication System: UID 0, 5G NR (0); Frequency: 3840 MHz;Duty Cycle: 1:2
Medium: HSL_3900 Medium parameters used: f = 3840 MHz; σ = 3.159 S/m; ε_r = 38.144; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(6.42, 6.42, 6.42); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- 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) = 1.69 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 5.680 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 2.86 W/kg
SAR(1 g) = 0.900 W/kg; SAR(10 g) = 0.273 W/kg
Maximum value of SAR (measured) = 1.93 W/kg



0 dB = 1.93 W/kg = 2.86 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2023/1/20

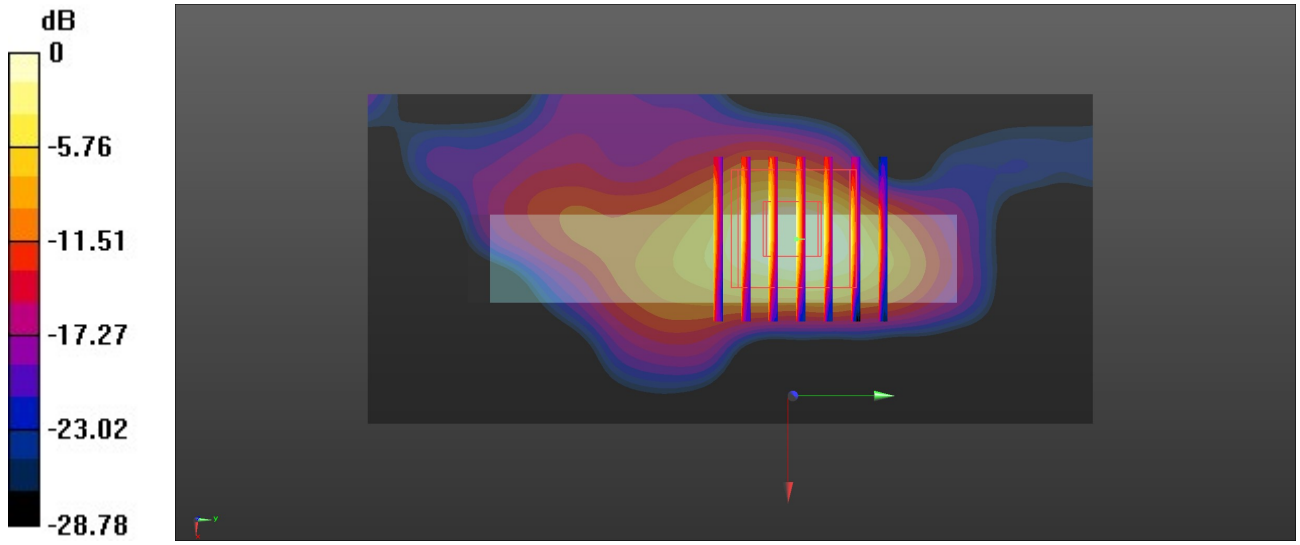
66_WLAN2.4GHz_802.11b 1Mbps_Left Side_5mm_Ch11

Communication System: UID 0, WLAN2.4GHz (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL_2450 Medium parameters used: f = 2462 MHz; σ = 1.845 S/m; ε_r = 39.851; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(7.57, 7.57, 7.57); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (51x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.653 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.84 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.646 W/kg
SAR(1 g) = 0.263 W/kg; SAR(10 g) = 0.098 W/kg
Maximum value of SAR (measured) = 0.498 W/kg



0 dB = 0.498 W/kg = -3.03 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2023/1/28

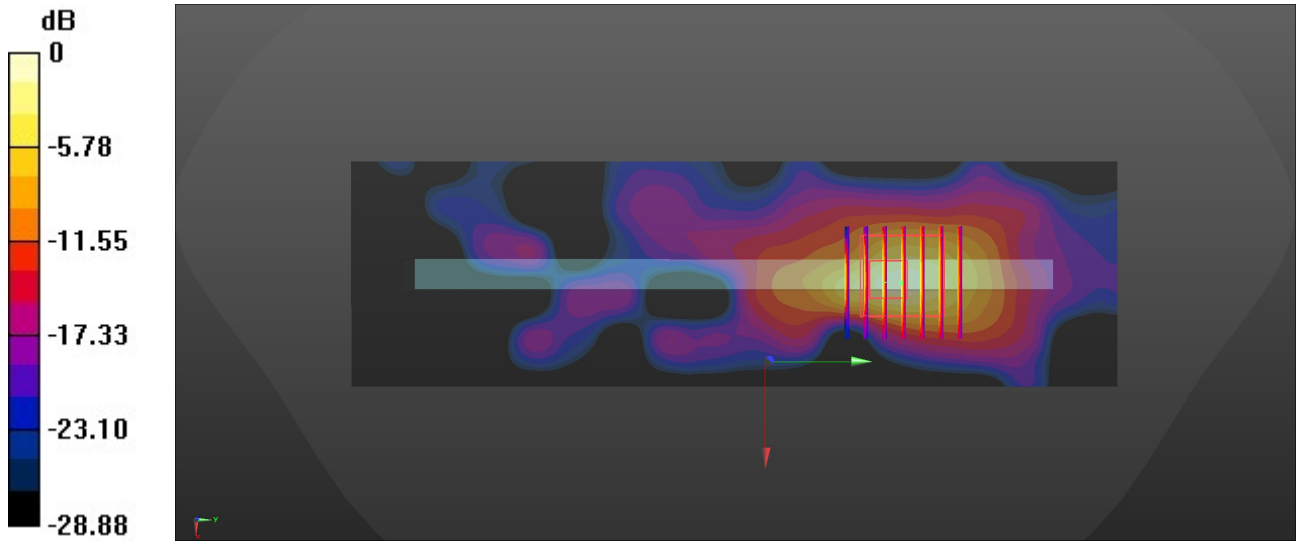
67_Bluetooth_1Mbps_Left Side_5mm_Ch39

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1.298
Medium: HSL_2450 Medium parameters used: f = 2441 MHz; σ = 1.842 S/m; ε_r = 39.091; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(7.57, 7.57, 7.57); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (51x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.241 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.106 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.403 W/kg
SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.055 W/kg
Maximum value of SAR (measured) = 0.284 W/kg



0 dB = 0.284 W/kg = -5.47 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2023/1/29

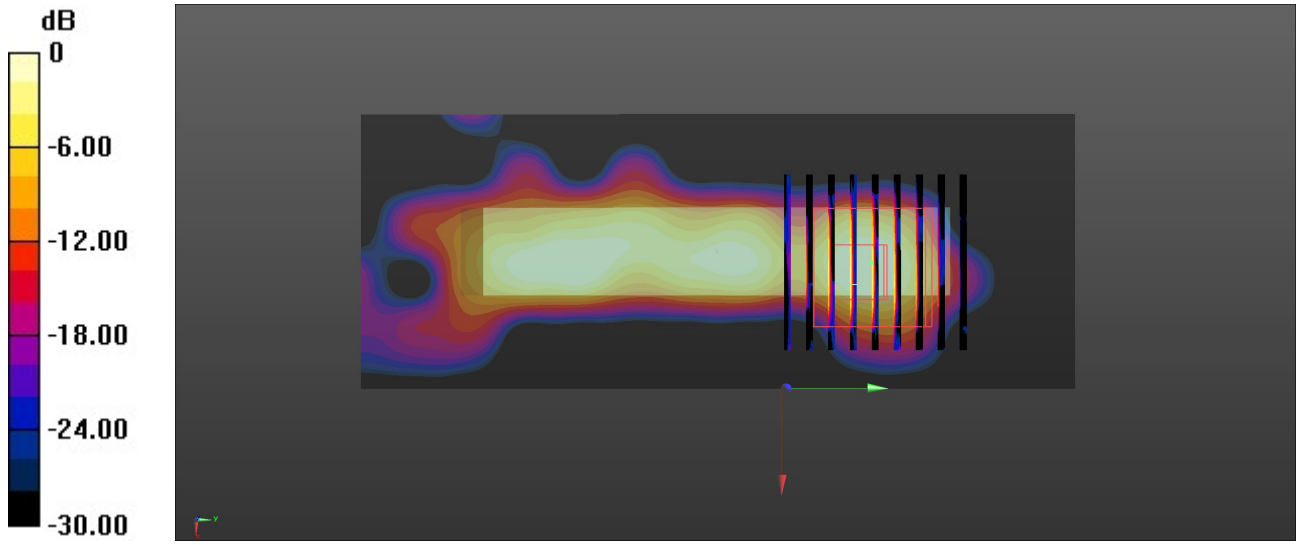
68_WLAN5GHz_802.11ac-VHT80 MCS0_Left Side_5mm_Ch42

Communication System: UID 0, WLAN5GHz (0); Frequency: 5210 MHz;Duty Cycle: 1:1
Medium: HSL_5000 Medium parameters used: f = 5210 MHz; σ = 4.538 S/m; ε_r = 36.359; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(5.1, 5.1, 5.1); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (51x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.92 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 9.075 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.052 W/kg
Maximum value of SAR (measured) = 0.65 W/kg



0 dB = 0.65 W/kg = -1.88 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2023/1/31

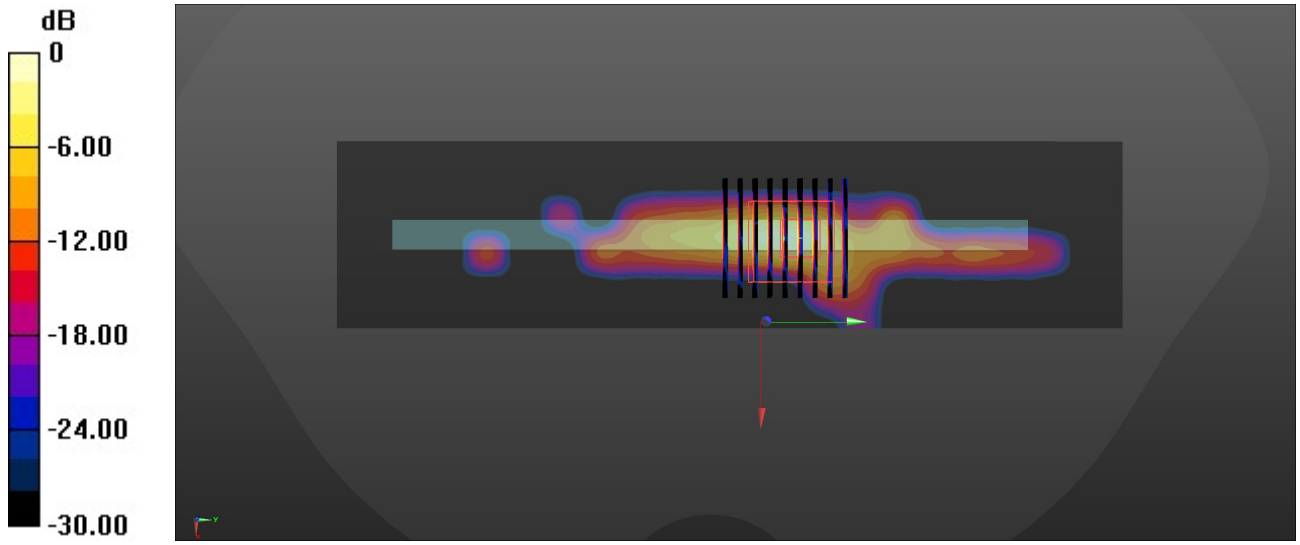
69_WLAN5GHz_802.11ac-VHT80 MCS0_Left Side_5mm_Ch155

Communication System: UID 0, WLAN5GHz (0); Frequency: 5775 MHz;Duty Cycle: 1:1
Medium: HSL_5000 Medium parameters used: f = 5775 MHz; σ = 5.153 S/m; ε_r = 34.09; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(4.45, 4.45, 4.45); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (51x211x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.726 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 9.231 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 0.240 W/kg; SAR(10 g) = 0.050 W/kg
Maximum value of SAR (measured) = 0.791 W/kg



0 dB = 0.791 W/kg = -1.02 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/12/23

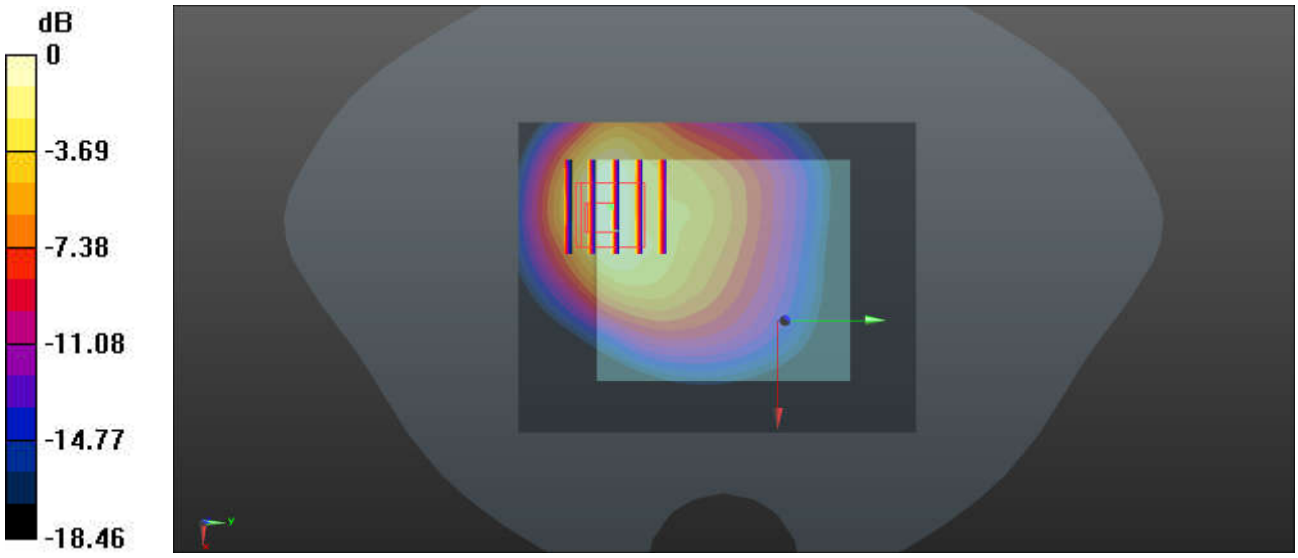
70_LTE Band 71_20M_QPSK_1RB_0Offset_Back_5mm_Ch133322

Communication System: UID 0, LTE-FDD (0); Frequency: 683 MHz;Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used: f = 683 MHz; σ = 0.881 S/m; ε_r = 41.597; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(9.67, 9.67, 9.67); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.94 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.982 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.471 W/kg; SAR(10 g) = 0.275 W/kg
Maximum value of SAR (measured) = 0.76 W/kg



0 dB = 0.76 W/kg = -1.20 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/12/23

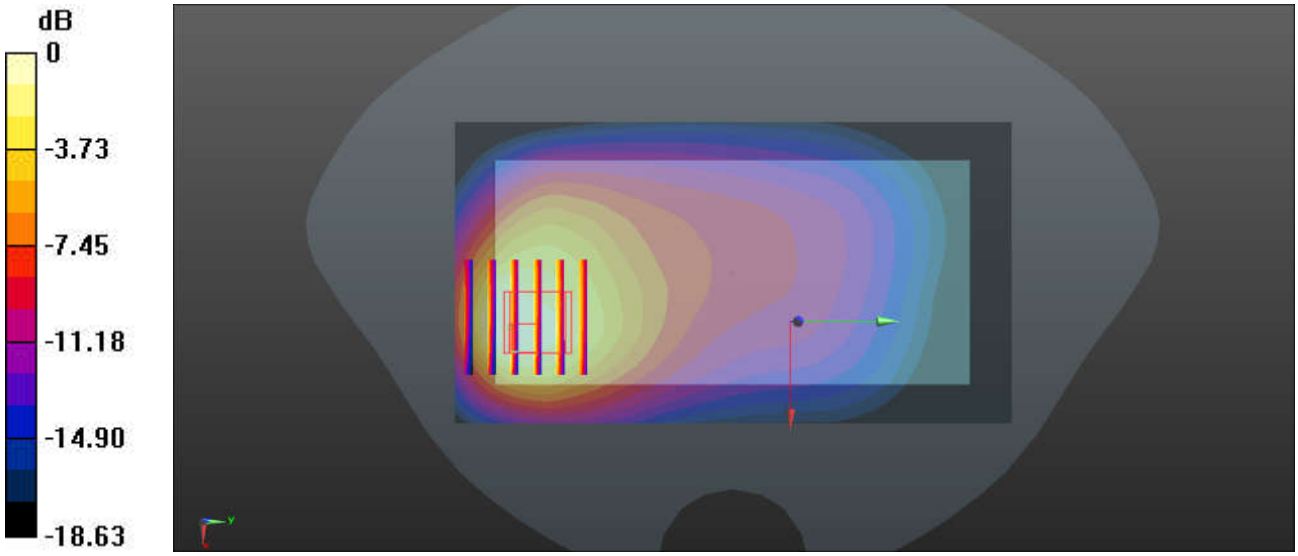
71_LTE Band 12_10M_QPSK_1RB_0Offset_Back_5mm_Ch23095

Communication System: UID 0, LTE-FDD (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used: f = 707.5 MHz; σ = 0.863 S/m; ε_r = 42.575; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(9.67, 9.67, 9.67); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.783 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.32 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.964 W/kg
SAR(1 g) = 0.404 W/kg; SAR(10 g) = 0.239 W/kg
Maximum value of SAR (measured) = 0.648 W/kg



0 dB = 0.648 W/kg = -1.88 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/12/23

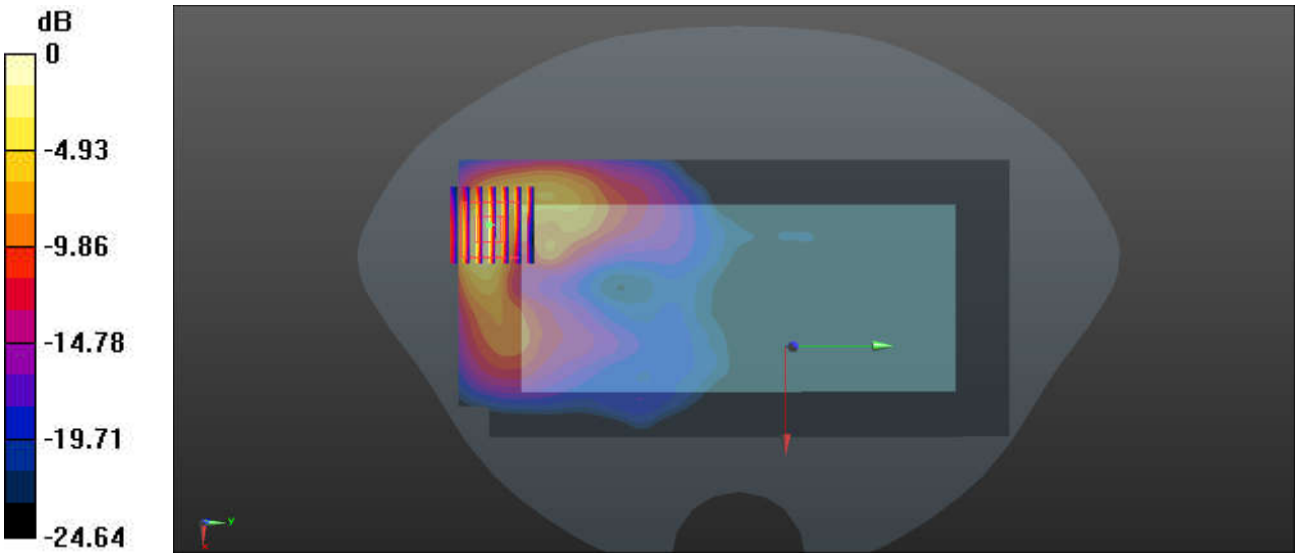
72_LTE Band 13_10M_QPSK_25RB_0Offset_Back_5mm_Ch23230

Communication System: UID 0, LTE-FDD (0); Frequency: 782 MHz;Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used: f = 782 MHz; σ = 0.895 S/m; ε_r = 42.455; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(9.67, 9.67, 9.67); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.24 W/kg

Zoom Scan (7x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.34 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.625 W/kg; SAR(10 g) = 0.334 W/kg
Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg = 0.33 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2023/1/15

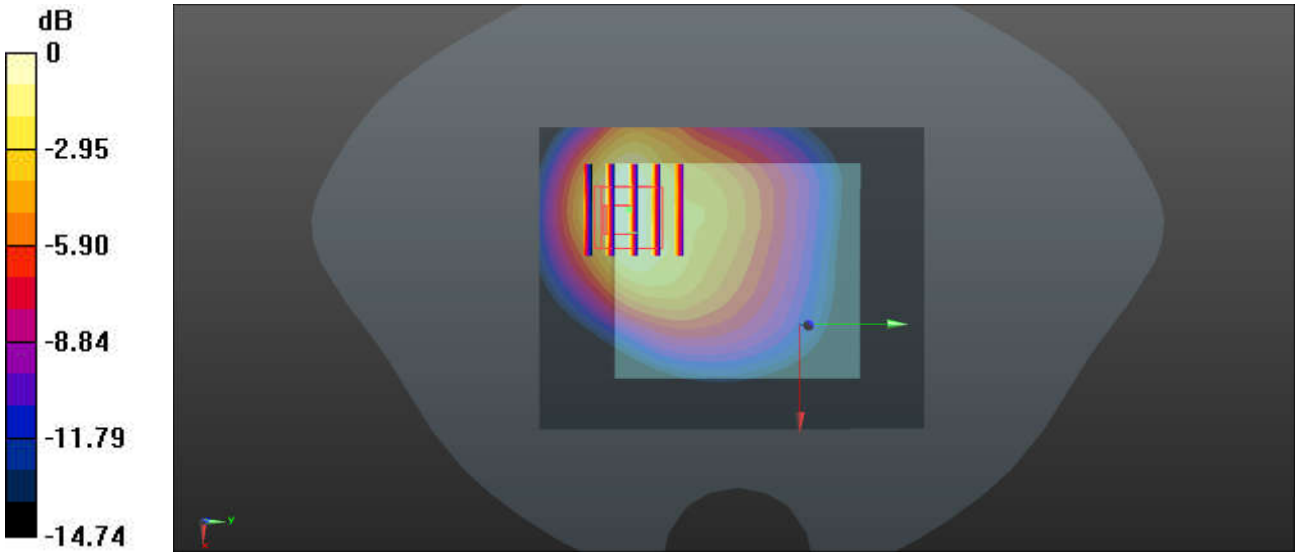
73_LTE Band 14_10M_QPSK_1RB_0Offset_Back_5mm_Ch23330

Communication System: UID 0, LTE-FDD (0); Frequency: 793 MHz;Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used: f = 793 MHz; σ = 0.919 S/m; ε_r = 41.297; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(9.67, 9.67, 9.67); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.774 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.467 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 0.626 W/kg; SAR(10 g) = 0.350 W/kg
Maximum value of SAR (measured) = 0.778 W/kg



0 dB = 0.778 W/kg = -1.09 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/12/23

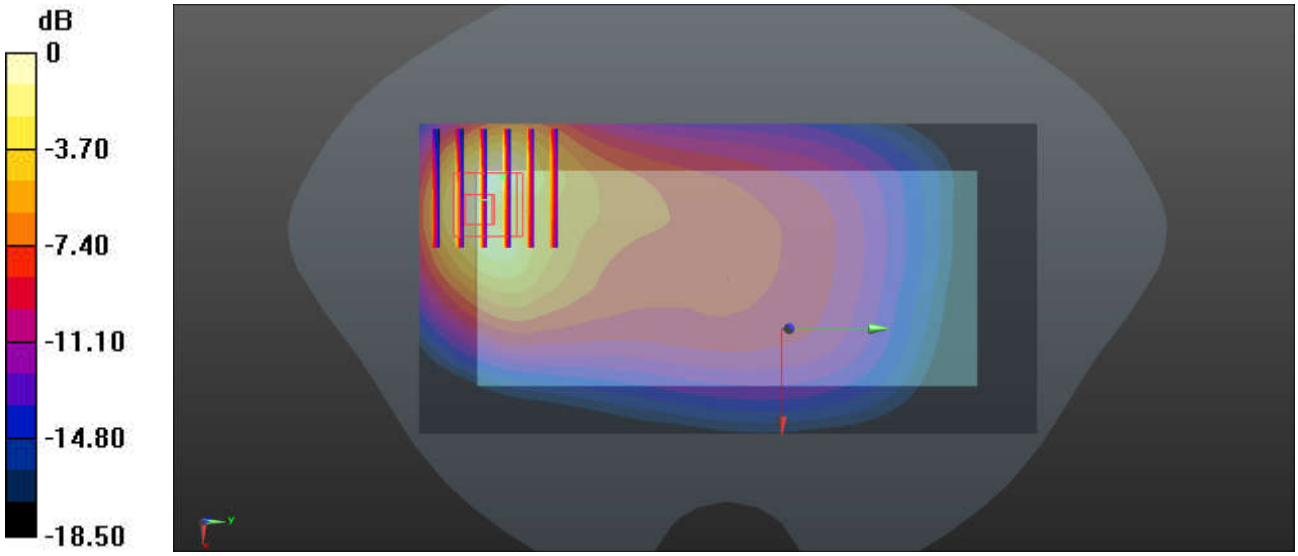
74_FR1 n71_20M_QPSK_1RB_1Offset_Back_5mm_Ch136100

Communication System: UID 0, 5G NR (0); Frequency: 680.5 MHz;Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used: f = 680.5 MHz; σ = 0.862 S/m; ε_r = 42.796; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(9.67, 9.67, 9.67); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.496 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.63 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.723 W/kg
SAR(1 g) = 0.319 W/kg; SAR(10 g) = 0.172 W/kg
Maximum value of SAR (measured) = 0.556 W/kg



0 dB = 0.556 W/kg = -2.55 dBW/kg

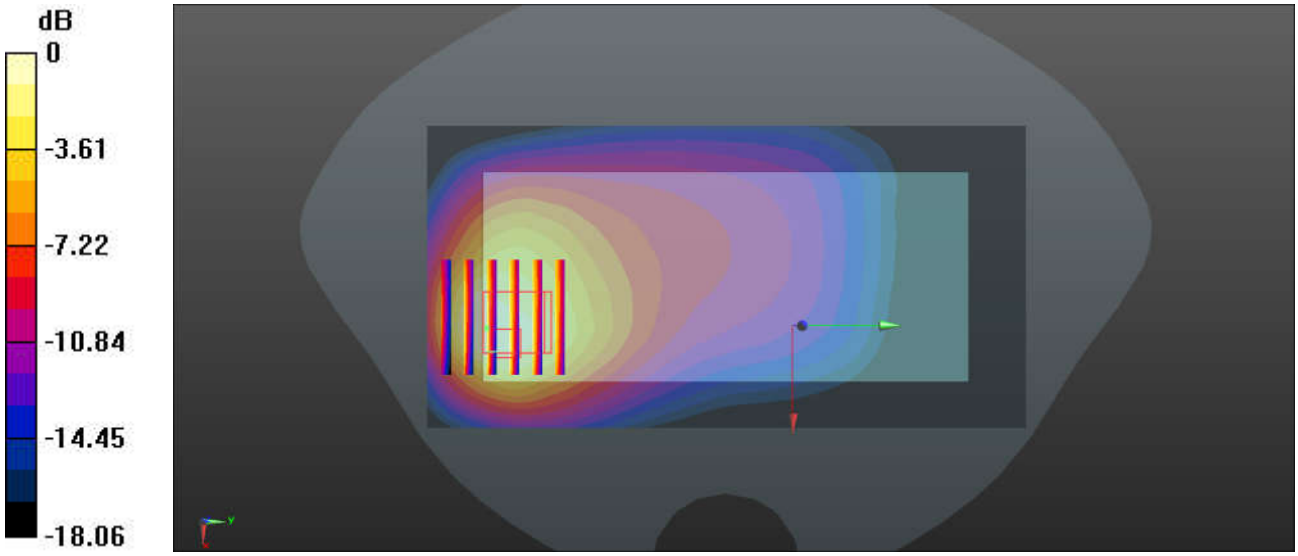
75_FR1 n12_15M_QPSK_1RB_1Offset_Back_5mm_Ch141500

Communication System: UID 0, 5G NR (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used: f = 707.5 MHz; σ = 0.863 S/m; ε_r = 42.575; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(9.67, 9.67, 9.67); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.68 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.928 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.91 W/kg
SAR(1 g) = 0.380 W/kg; SAR(10 g) = 0.227 W/kg
Maximum value of SAR (measured) = 0.62 W/kg



0 dB = 0.62 W/kg = -2.04 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/12/23

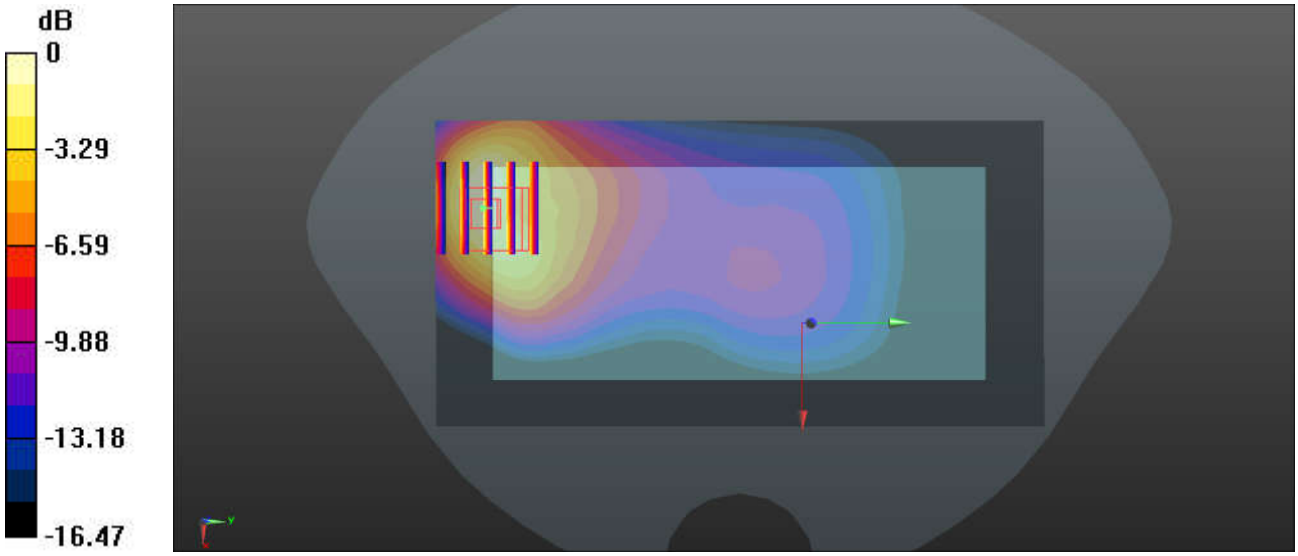
76_FR1 n13_10M_QPSK_25RB_14Offset_Back_5mm_Ch156400

Communication System: UID 0, 5G NR (0); Frequency: 782 MHz;Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used: f = 782 MHz; σ = 0.895 S/m; ε_r = 42.455; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(9.67, 9.67, 9.67); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.733 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.907 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.891 W/kg
SAR(1 g) = 0.408 W/kg; SAR(10 g) = 0.225 W/kg
Maximum value of SAR (measured) = 0.705 W/kg



0 dB = 0.705 W/kg = -1.52 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/12/23

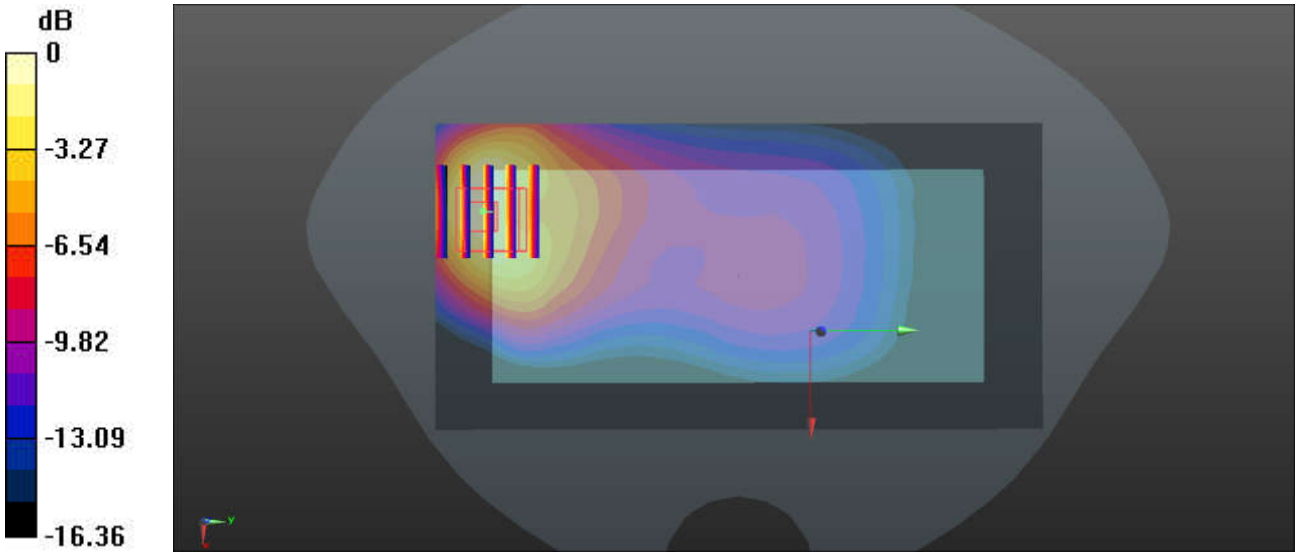
77_FR1 n14_10M_QPSK_25RB_14Offset_Back_5mm_Ch158600

Communication System: UID 0, 5G NR (0); Frequency: 793 MHz;Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used: f = 793 MHz; σ = 0.895 S/m; ε_r = 42.417; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(9.67, 9.67, 9.67); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.856 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.18 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.477 W/kg; SAR(10 g) = 0.258 W/kg
Maximum value of SAR (measured) = 0.824 W/kg



0 dB = 0.824 W/kg = -0.84 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/12/25

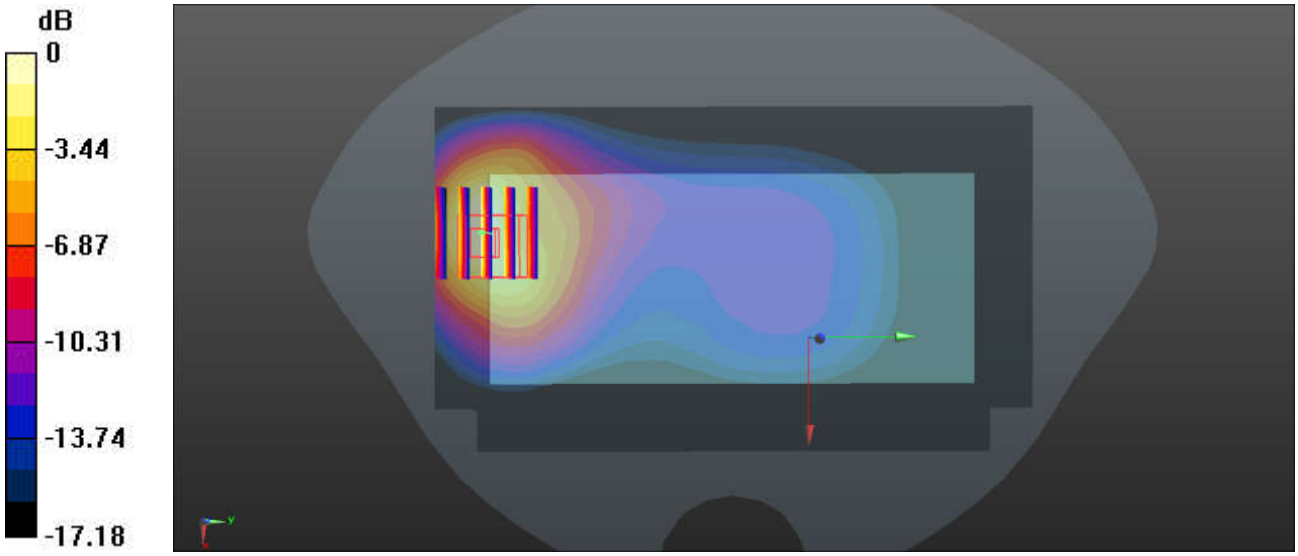
78_GSM850_GPRS (3 Tx slots)_Back_5mm_Ch189

Communication System: UID 0, GSM850 (0); Frequency: 836.4 MHz;Duty Cycle: 1:2.77
Medium: HSL_835 Medium parameters used: f = 836.4 MHz; σ = 0.913 S/m; ε_r = 41.948; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(9.31, 9.31, 9.31); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- 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) = 1.10 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.293 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.618 W/kg; SAR(10 g) = 0.331 W/kg
Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 1.05 W/kg = 0.21 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/12/25

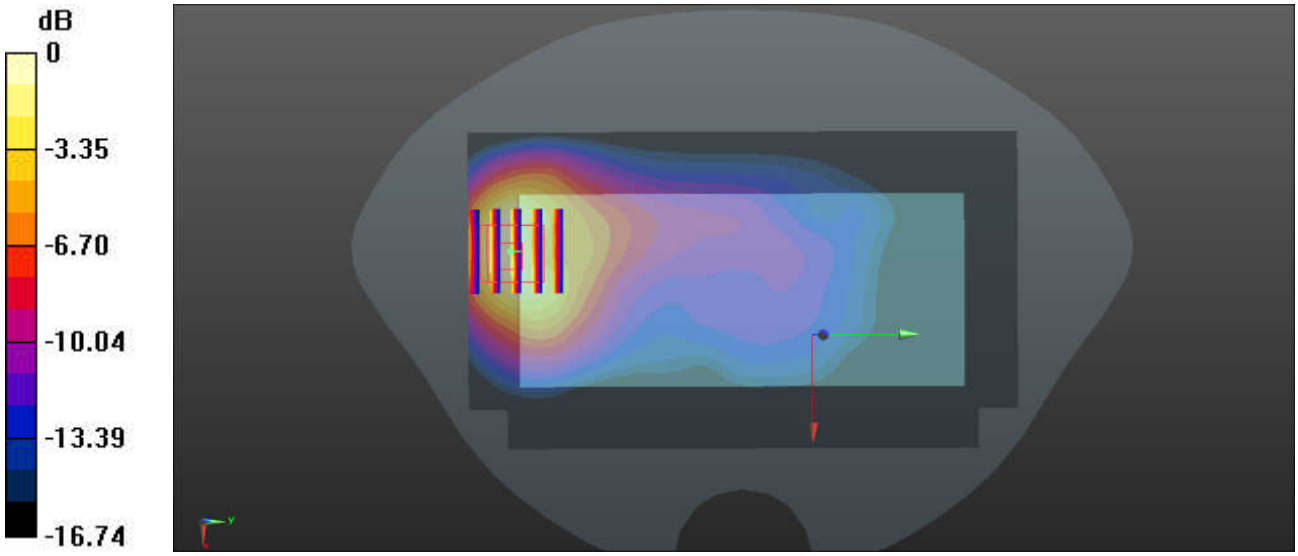
79_WCDMA V_RMC 12.2Kbps_Back_5mm_Ch4182

Communication System: UID 0, WCDMA (0); Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL_835 Medium parameters used: f = 836.4 MHz; σ = 0.913 S/m; ε_r = 41.948; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(9.31, 9.31, 9.31); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- 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) = 1.13 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.297 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.40 W/kg
SAR(1 g) = 0.651 W/kg; SAR(10 g) = 0.342 W/kg
Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg = 0.34 dBW/kg

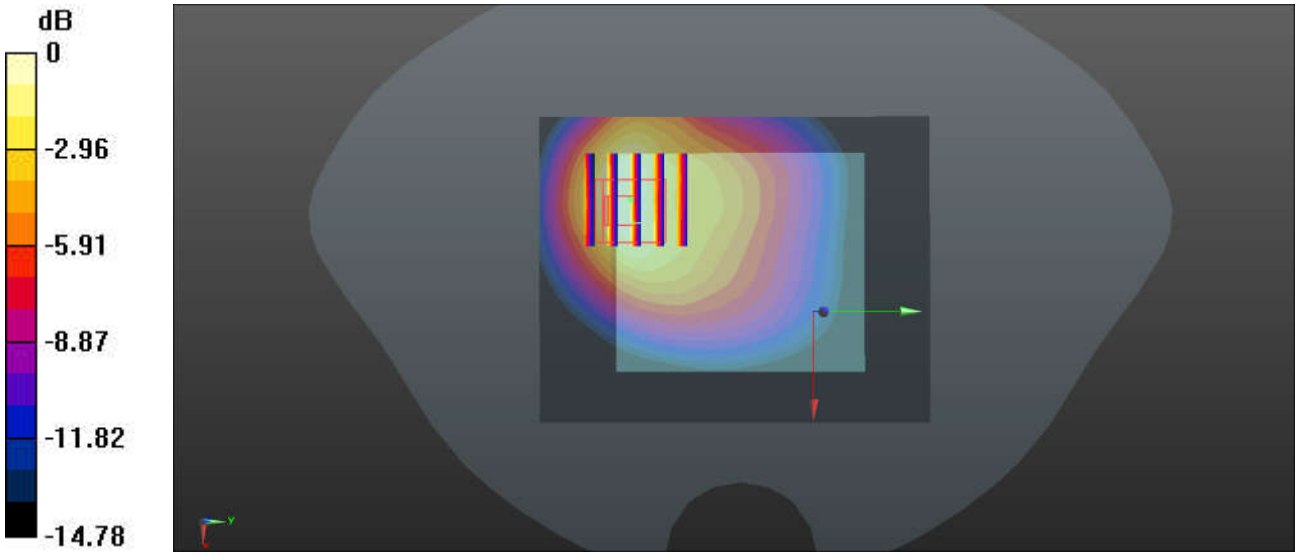
80_LTE Band 26_15M_QPSK_1RB_0Offset_Back_5mm_Ch26865

Communication System: UID 0, LTE-FDD (0); Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium: HSL_835 Medium parameters used: f = 831.5 MHz; σ = 0.932 S/m; ε_r = 41.179; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(9.31, 9.31, 9.31); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.925 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.728 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 0.759 W/kg; SAR(10 g) = 0.419 W/kg
Maximum value of SAR (measured) = 0.949 W/kg



0 dB = 0.949 W/kg = -0.23 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/12/25

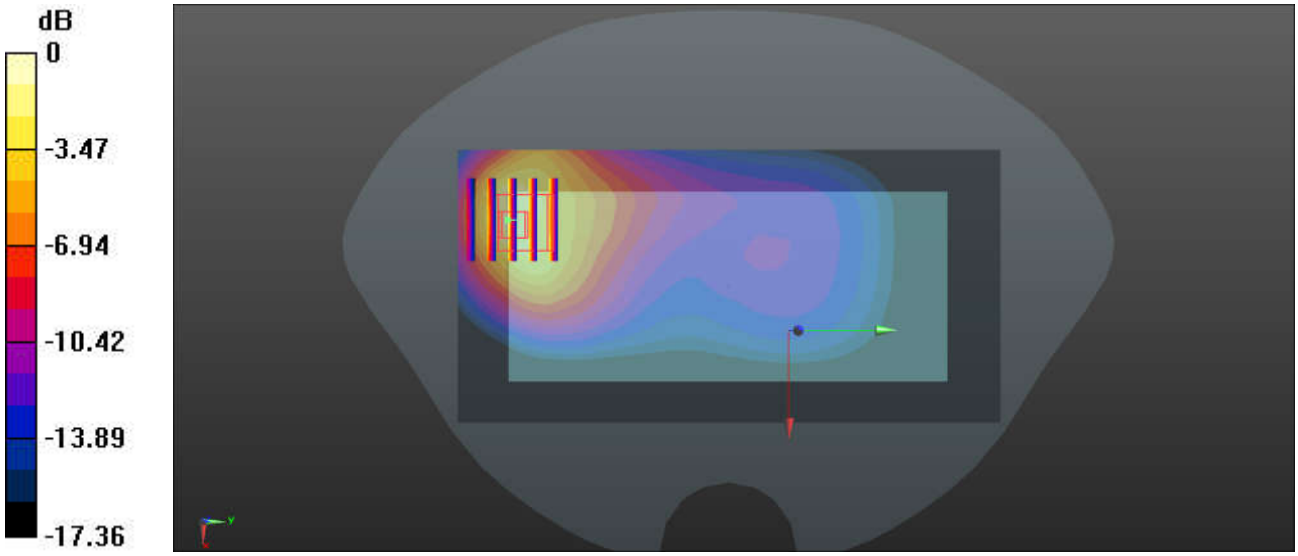
81_FR1 n26_20M_QPSK_1RB_1Offset_Back_5mm_Ch166300

Communication System: UID 0, 5G NR (0); Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium: HSL_835 Medium parameters used: f = 831.5 MHz; σ = 0.909 S/m; ε_r = 41.973; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(9.31, 9.31, 9.31); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.14 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.25 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.81 W/kg
SAR(1 g) = 0.803 W/kg; SAR(10 g) = 0.430 W/kg
Maximum value of SAR (measured) = 1.42 W/kg



0 dB = 1.42 W/kg = 1.52 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/12/25

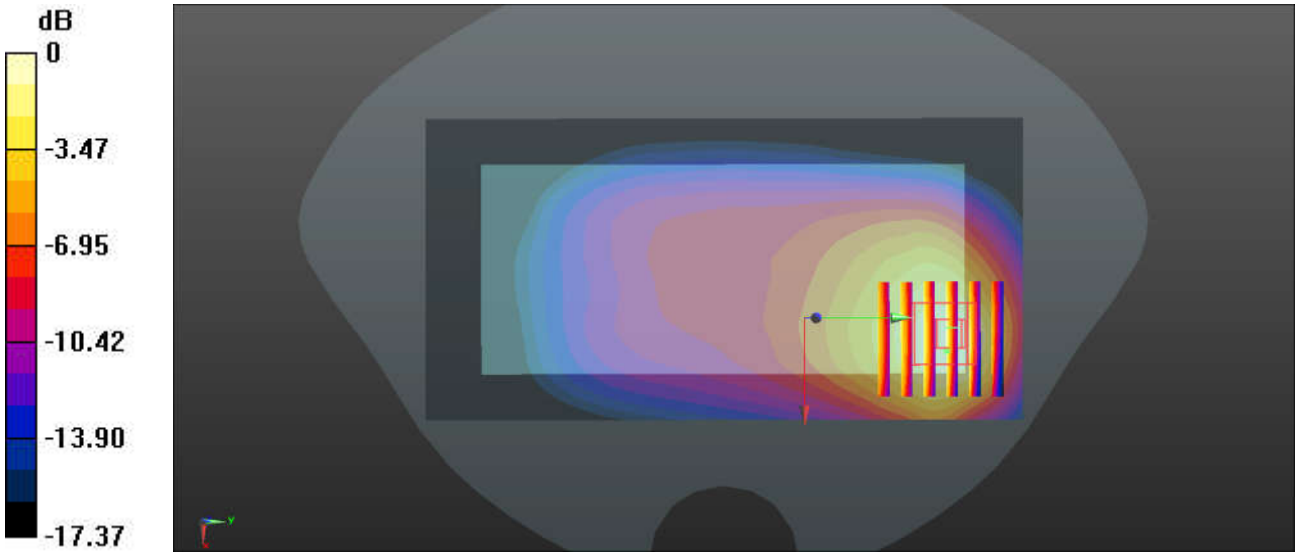
82_FR1 n5_20M_QPSK_1RB_1Offset_Back_5mm_Ch167300

Communication System: UID 0, 5G NR (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL_835 Medium parameters used: f = 836.5 MHz; σ = 0.913 S/m; ε_r = 41.948; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(9.31, 9.31, 9.31); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.332 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.149 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.452 W/kg
SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.144 W/kg
Maximum value of SAR (measured) = 0.340 W/kg



0 dB = 0.340 W/kg = -4.69 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2023/1/17

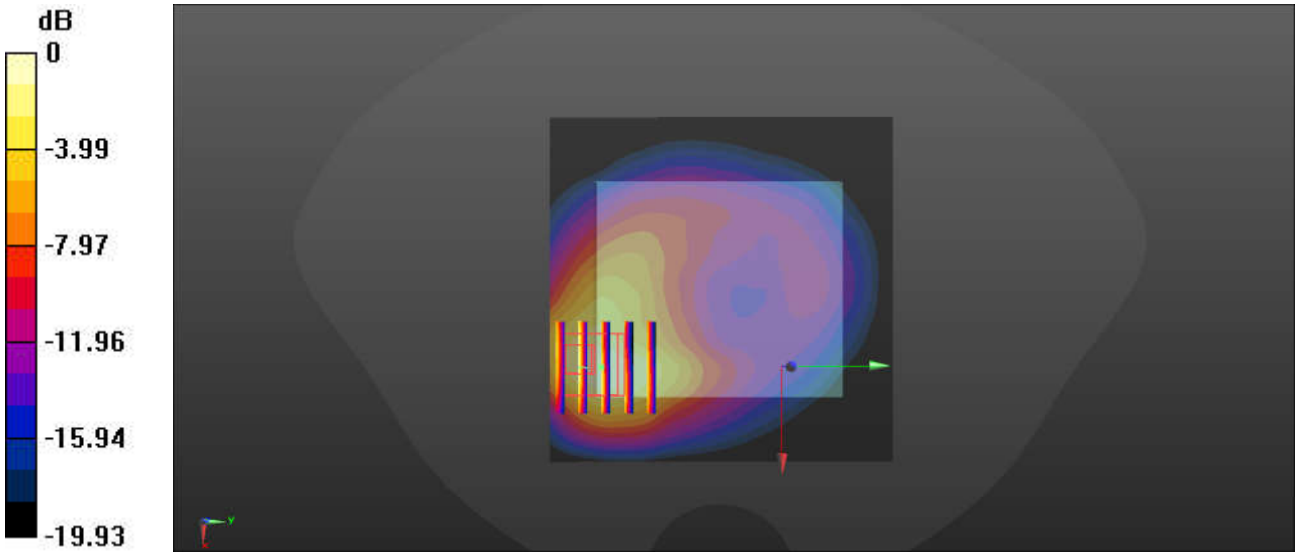
83_WCDMA IV_RMC 12.2Kbps_Back_5mm_Ch1312

Communication System: UID 0, WCDMA (0); Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium: HSL_1750 Medium parameters used: f = 1712.4 MHz; σ = 1.373 S/m; ε_r = 40.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(8.56, 8.56, 8.56); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.45 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.509 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.98 W/kg
SAR(1 g) = 0.983 W/kg; SAR(10 g) = 0.468 W/kg
Maximum value of SAR (measured) = 1.35 W/kg



0 dB = 1.35 W/kg = 1.30 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/12/27

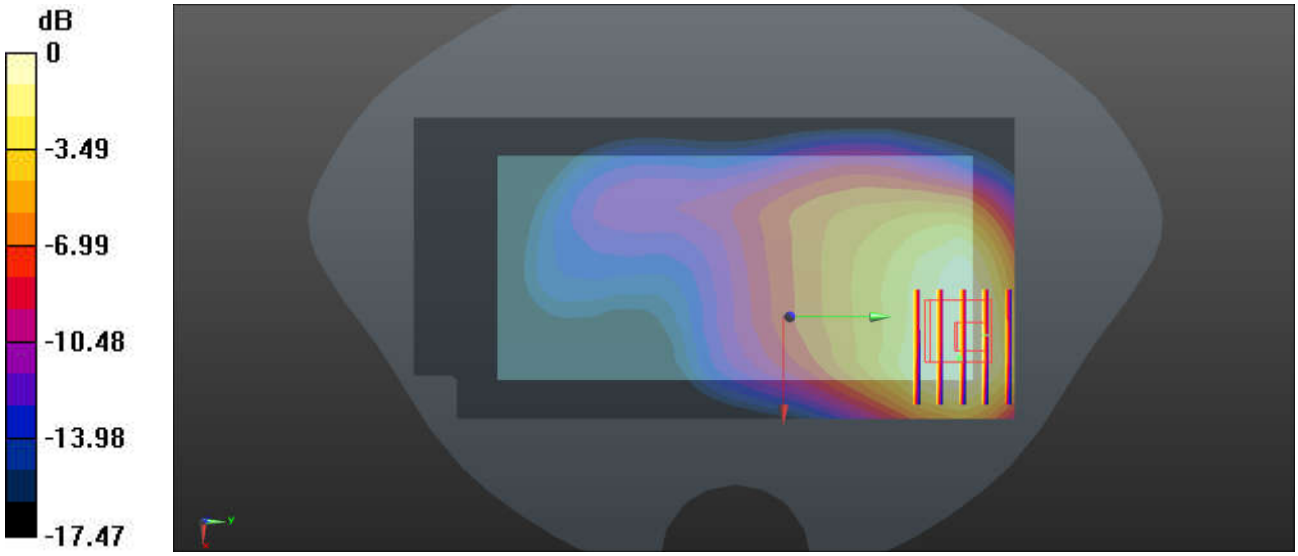
84_LTE Band 66_20M_QPSK_1RB_0Offset_Front_5mm_Ch132322

Communication System: UID 0, LTE-FDD (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: HSL_1750 Medium parameters used: f = 1745 MHz; σ = 1.311 S/m; ε_r = 40.238; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(8.56, 8.56, 8.56); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.44 W/kg

Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.608 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.63 W/kg
SAR(1 g) = 0.972 W/kg; SAR(10 g) = 0.618 W/kg
Maximum value of SAR (measured) = 1.34 W/kg



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

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/12/27

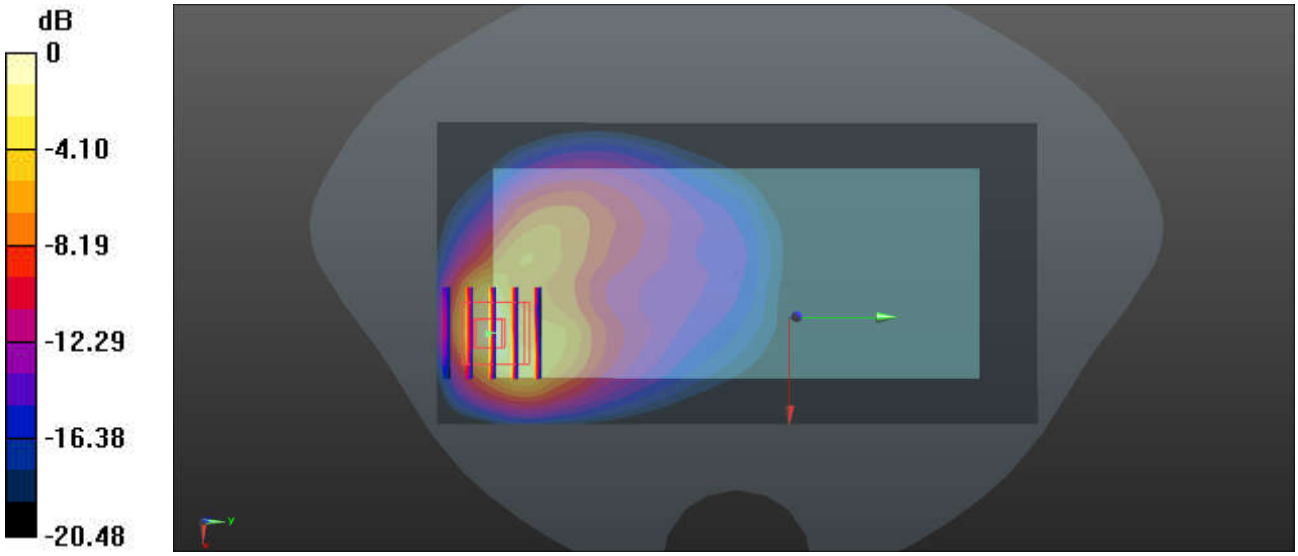
85_FR1 n66_40M_QPSK_108RB_54Offset_Back_5mm_Ch349000

Communication System: UID 0, 5G NR (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: HSL_1750 Medium parameters used: f = 1745 MHz; σ = 1.311 S/m; ε_r = 40.238; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(8.56, 8.56, 8.56); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.58 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.739 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 2.16 W/kg
SAR(1 g) = 0.981 W/kg; SAR(10 g) = 0.450 W/kg
Maximum value of SAR (measured) = 1.82 W/kg



0 dB = 1.82 W/kg = 2.60 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/12/27

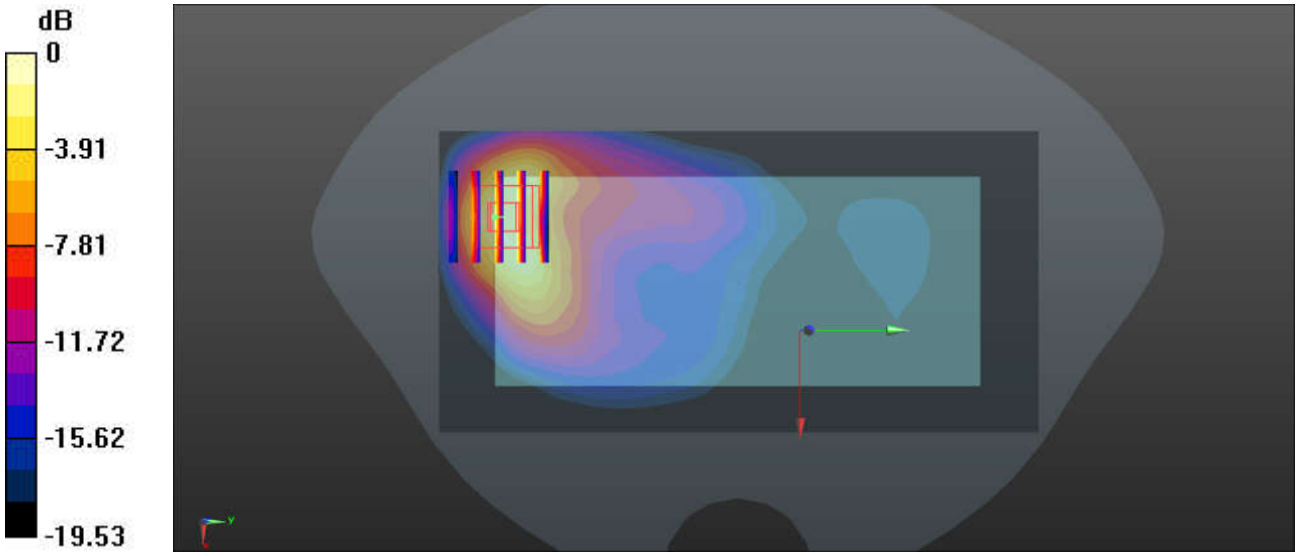
86_FR1 n70_15M_QPSK_36RB_22Offset_Back_5mm_Ch340500

Communication System: UID 0, 5G NR (0); Frequency: 1702.5 MHz;Duty Cycle: 1:1
Medium: HSL_1750 Medium parameters used: f = 1702.5 MHz; σ = 1.292 S/m; ε_r = 40.499; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(8.56, 8.56, 8.56); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.886 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.812 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 0.736 W/kg; SAR(10 g) = 0.342 W/kg
Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.09 W/kg = 0.37 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/12/29

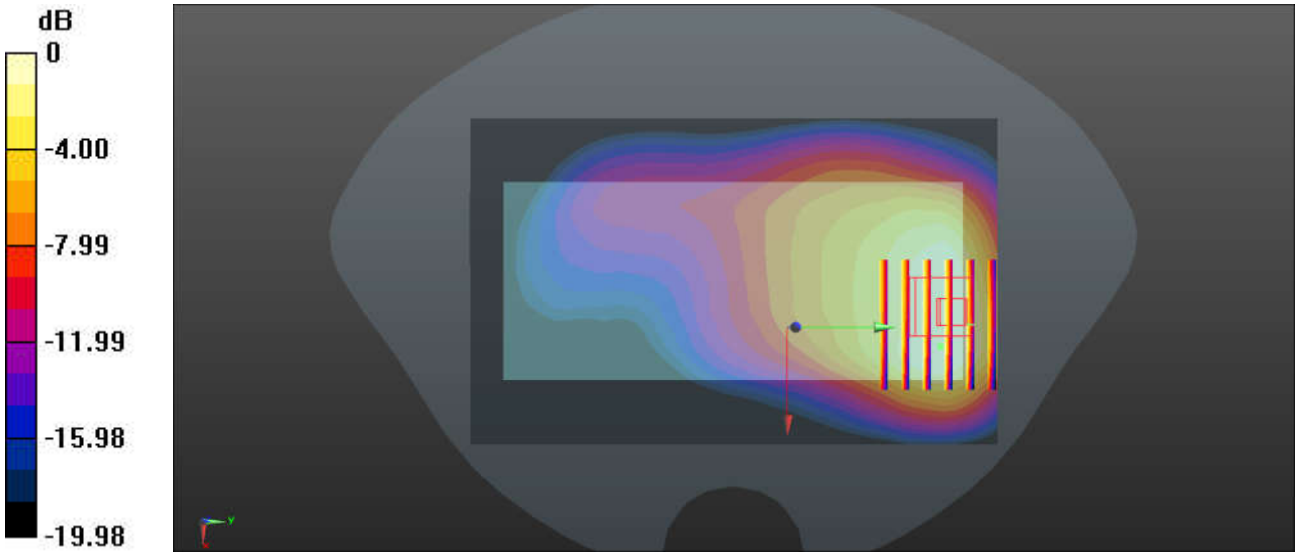
87_GSM1900_GPRS (3 Tx slots)_Front_5mm_Ch661

Communication System: UID 0, PCS (0); Frequency: 1880 MHz;Duty Cycle: 1:2.77
Medium: HSL_1900 Medium parameters used: f = 1880 MHz; σ = 1.406 S/m; ε_r = 40.168; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(8.24, 8.24, 8.24); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (81x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.45 W/kg

Zoom Scan (7x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.425 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 0.897 W/kg; SAR(10 g) = 0.575 W/kg
Maximum value of SAR (measured) = 1.24 W/kg



0 dB = 1.24 W/kg = 0.93 dBW/kg

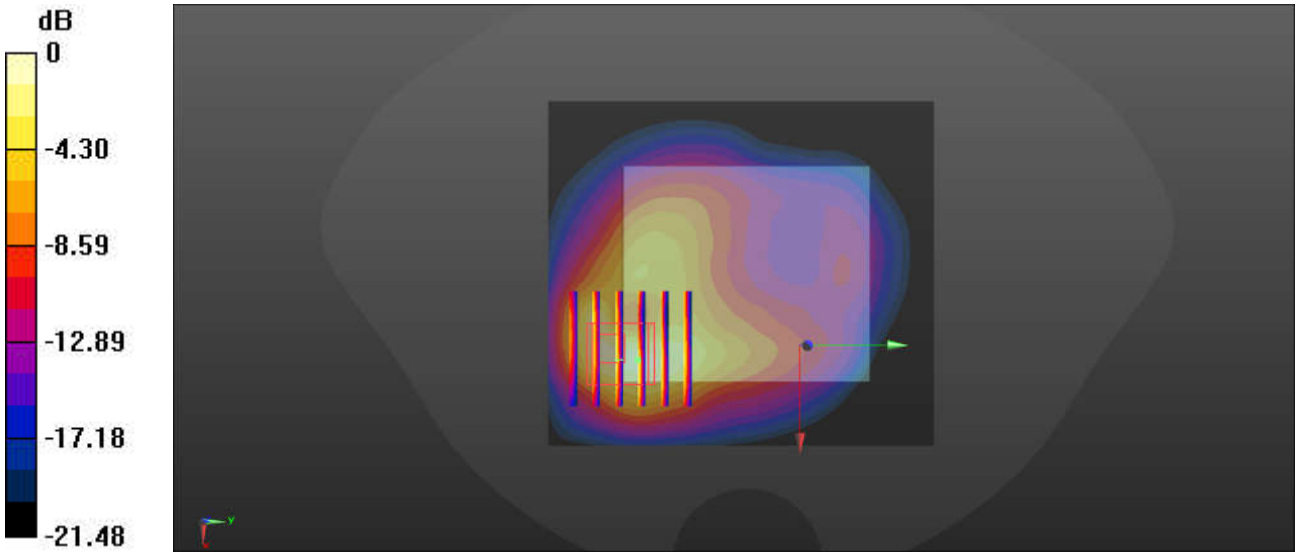
88_WCDMA II_RMC 12.2Kbps_Back_5mm_Ch9400

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900 Medium parameters used: f = 1880 MHz; σ = 1.446 S/m; ε_r = 39.827; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(8.24, 8.24, 8.24); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (81x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.880 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.700 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.78 W/kg
SAR(1 g) = 0.903 W/kg; SAR(10 g) = 0.391 W/kg
Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg = 0.33 dBW/kg

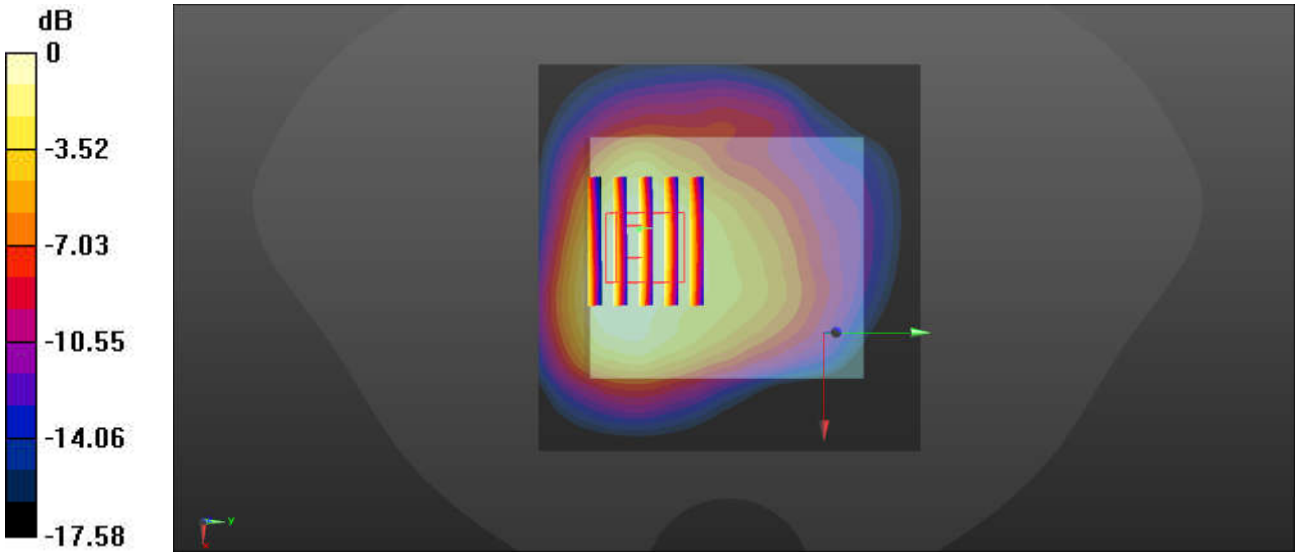
89_LTE Band 25_20M_QPSK_1RB_0Offset_Front_5mm_Ch26340

Communication System: UID 0, LTE-FDD (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900 Medium parameters used: f = 1880 MHz; σ = 1.446 S/m; ε_r = 39.827; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(8.24, 8.24, 8.24); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.13 W/kg

Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.42 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 0.944 W/kg; SAR(10 g) = 0.577 W/kg
Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.10 W/kg = 0.41 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/12/29

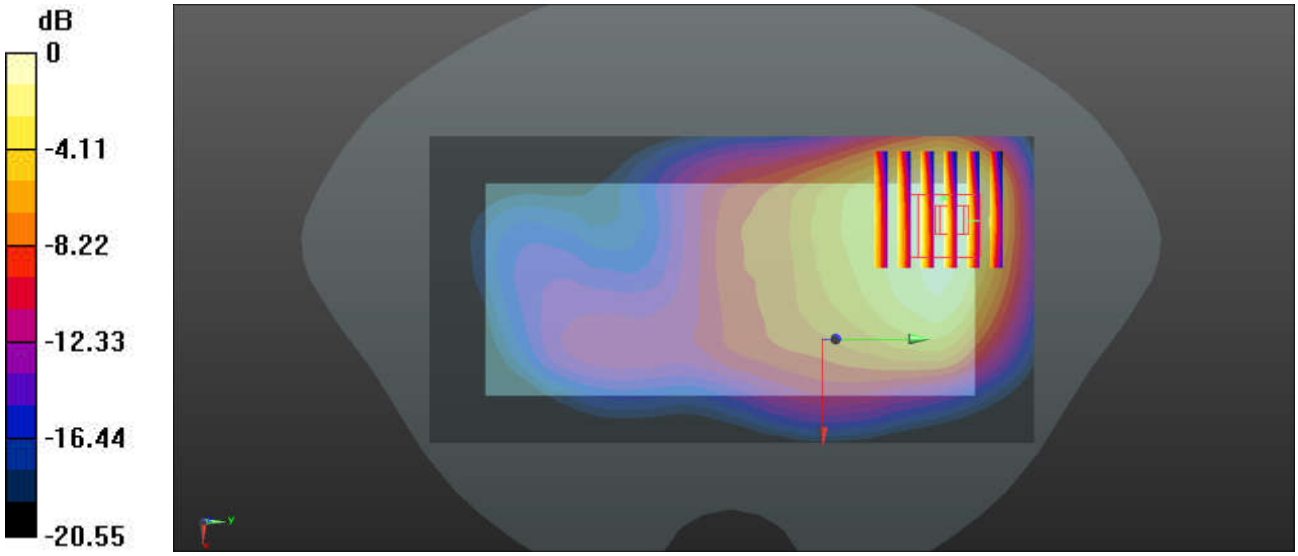
90_FR1 n25_40M_QPSK_108RB_54Offset_Back_5mm_Ch376500

Communication System: UID 0, 5G NR (0); Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: HSL_1900 Medium parameters used: f = 1882.5 MHz; σ = 1.407 S/m; ε_r = 40.181; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(8.24, 8.24, 8.24); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.63 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.29 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.81 W/kg
SAR(1 g) = 0.954 W/kg; SAR(10 g) = 0.389 W/kg
Maximum value of SAR (measured) = 1.49 W/kg



0 dB = 1.49 W/kg = 1.73 dBW/kg

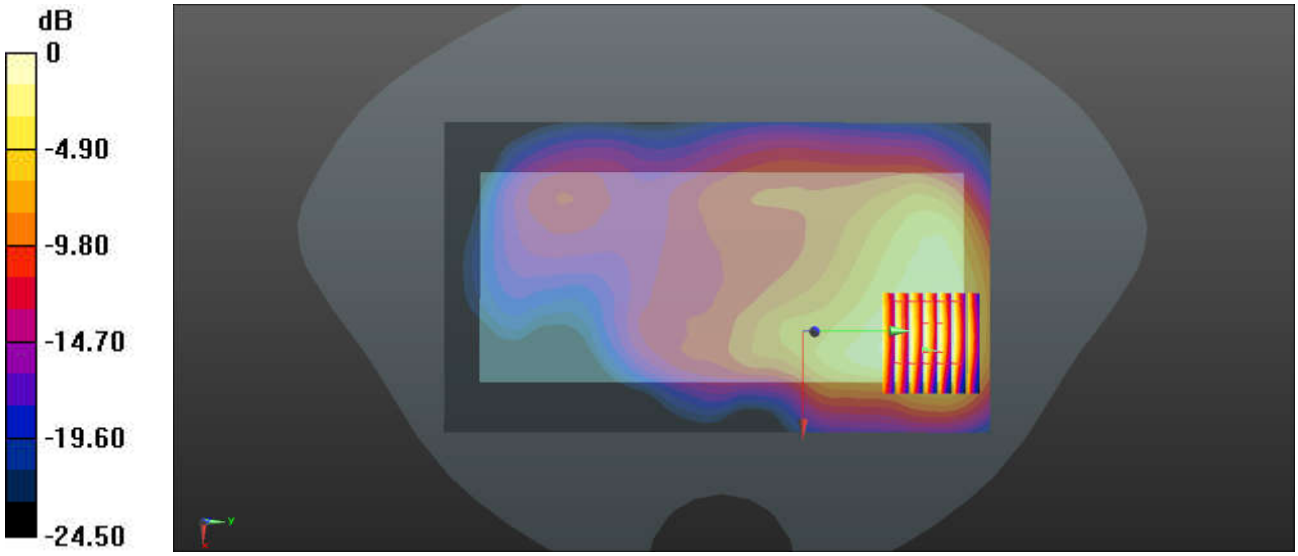
91_LTE Band 30_10M_QPSK_1RB_0Offset_Front_5mm_Ch27710

Communication System: UID 0, LTE-FDD (0); Frequency: 2310 MHz;Duty Cycle: 1:1
Medium: HSL_2300 Medium parameters used: f = 2310 MHz; σ = 1.651 S/m; ε_r = 39.636; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(7.79, 7.79, 7.79); Calibrated: 2022/8/8
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2022/11/24
- Phantom: SAM Twin Phantom; Type: SAM Twin; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.48 W/kg

Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.209 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 0.981 W/kg; SAR(10 g) = 0.541 W/kg
Maximum value of SAR (measured) = 1.40 W/kg



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