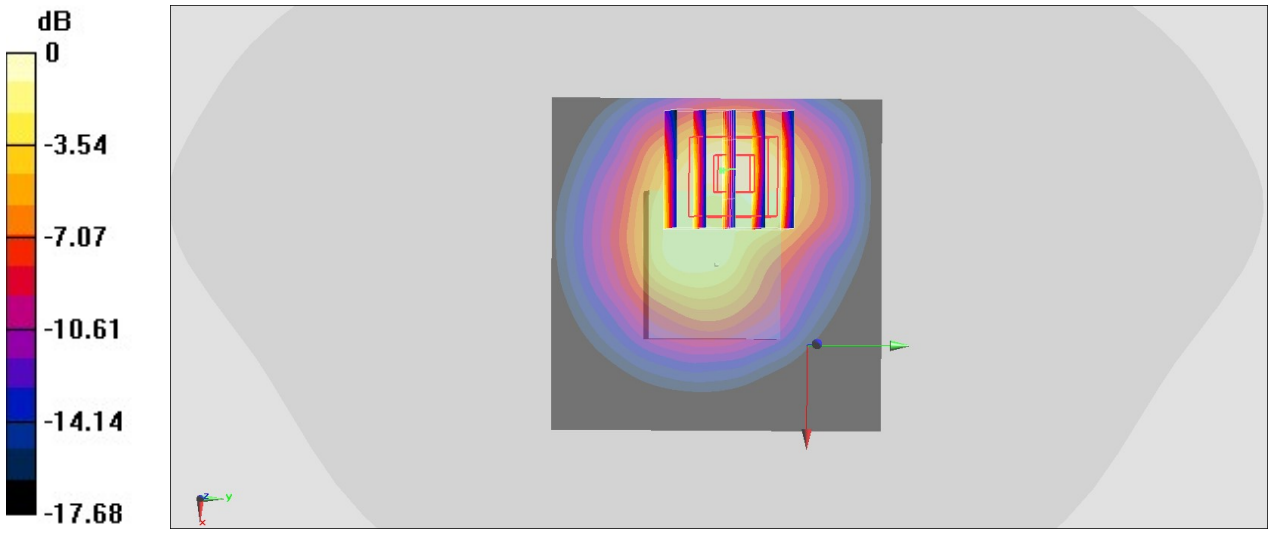
#01_LTE Band 2_20M_QPSK_1_0_Front_10mm_Ch18700

Communication System: LTE; Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: HSL_1900_220215 Medium parameters used: f = 1860 MHz; σ = 1.395 S/m; ε_r = 39.473; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7590; ConvF(8.65, 8.65, 8.65) @ 1860 MHz; Calibrated: 2021/3/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2021/7/14
- Phantom: Twin-SAM V5.0 (30deg probe tilt)_Right; Type: QD 000 P40 CD; Serial: TP-1479
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Area Scan (61x61x1): 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 = 31.60 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.881 W/kg; SAR(10 g) = 0.475 W/kg
Maximum value of SAR (measured) = 1.28 W/kg



0 dB = 1.28 W/kg = 1.07 dBW/kg

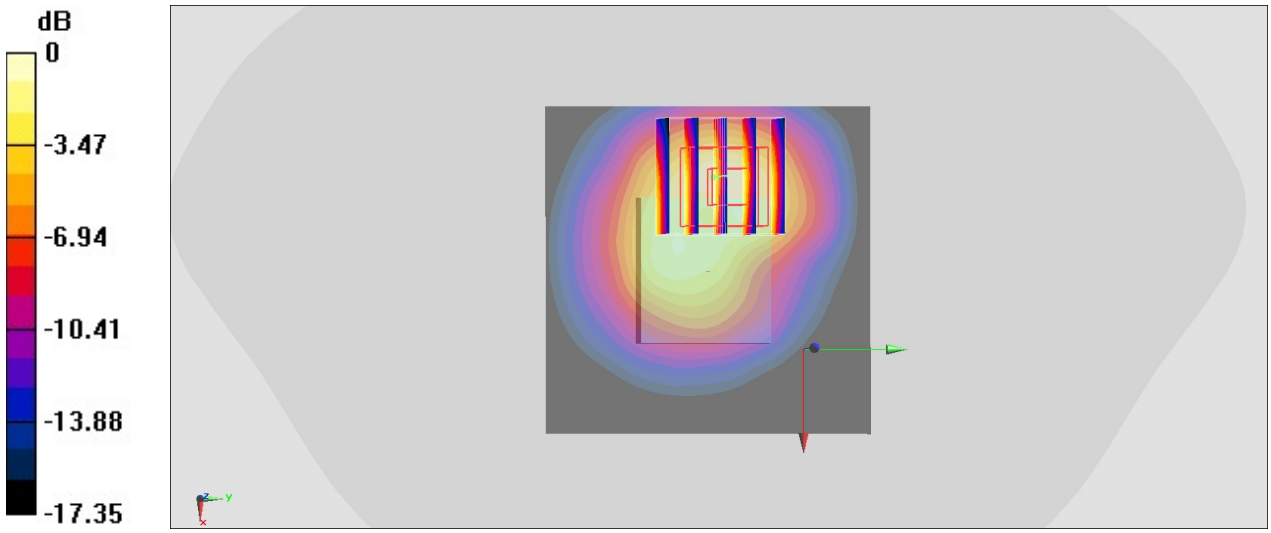
#02_LTE Band 4_20M_QPSK_1_0_Front_10mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1750_220215 Medium parameters used: f = 1733 MHz; σ = 1.366 S/m; ε_r = 40.765; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7590; ConvF(8.84, 8.84, 8.84) @ 1732.5 MHz; Calibrated: 2021/3/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2021/7/14
- Phantom: Twin-SAM V5.0 (30deg probe tilt)_Right; Type: QD 000 P40 CD; Serial: TP-1479
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.20 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.02 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 0.888 W/kg; SAR(10 g) = 0.464 W/kg
Maximum value of SAR (measured) = 1.24 W/kg



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

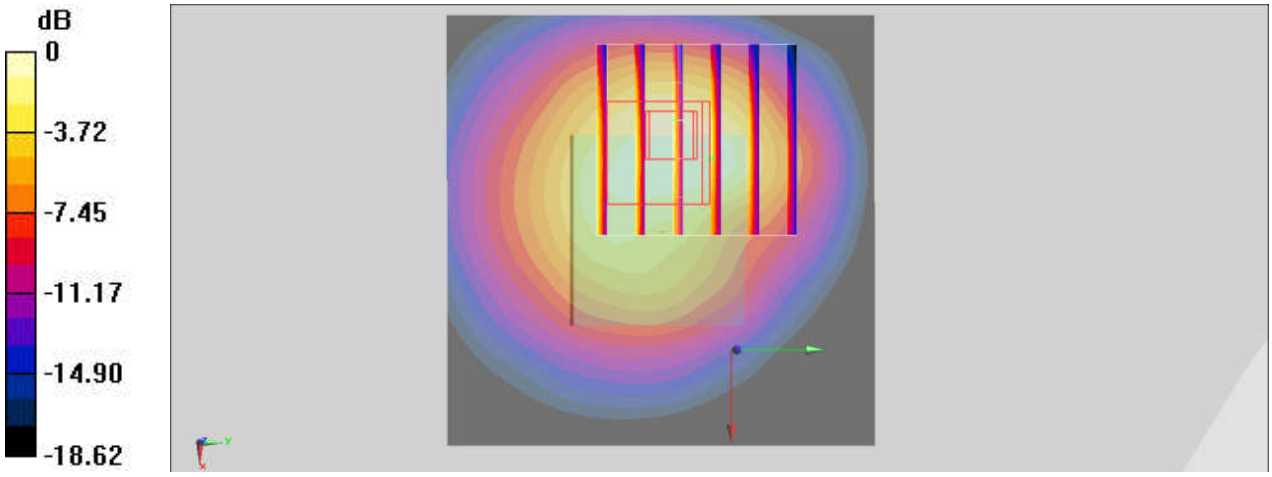
#03_LTE Band 5_10M_QPSK_1_0_Front_10mm_Ch20525

Communication System: LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL_850_220214 Medium parameters used : f = 836.5 MHz; σ = 0.929 S/m; ε_r = 42.826; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7590; ConvF(10.73, 10.73, 10.73) @ 836.5 MHz; Calibrated: 2021/3/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2021/7/14
- Phantom: Twin-SAM V5.0 (30deg probe tilt)_Right; Type: QD 000 P40 CD; Serial: TP-1479
- Measurement SW: DASY52, Version52.10 (4);SEMCAD X Version 14.6.14 (7483)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.365 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.98 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.480 W/kg
SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.140 W/kg
Maximum value of SAR (measured) = 0.378 W/kg



0 dB = 0.378 W/kg = -4.23 dBW/kg

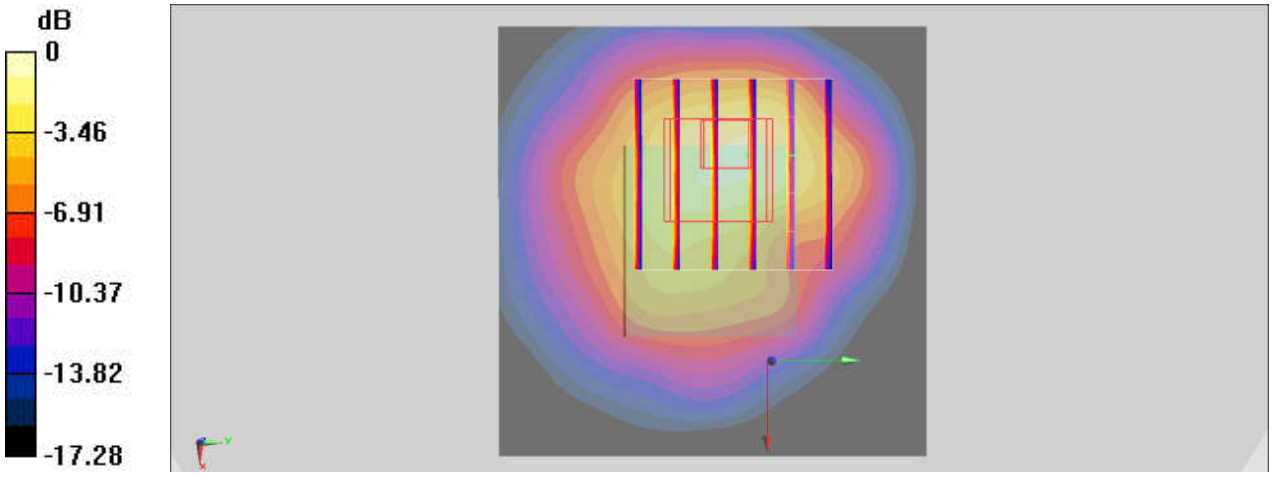
#04_LTE Band 13_10M_QPSK_1_0_Front_10mm_Ch23230

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: HSL_750_220214 Medium parameters used: f = 782 MHz; σ = 0.907 S/m; ε_r = 43.092; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7590; ConvF(11.12, 11.12, 11.12) @ 782 MHz; Calibrated: 2021/3/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2021/7/14
- Phantom: Twin-SAM V5.0 (30deg probe tilt)_Right; Type: QD 000 P40 CD; Serial: TP-1479
- Measurement SW: DASY52, Version52.10 (4);SEMCAD X Version 14.6.14 (7483)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.244 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.80 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.445 W/kg
SAR(1 g) = 0.183 W/kg; SAR(10 g) = 0.109 W/kg
Maximum value of SAR (measured) = 0.303 W/kg



0 dB = 0.303 W/kg = -5.19 dBW/kg

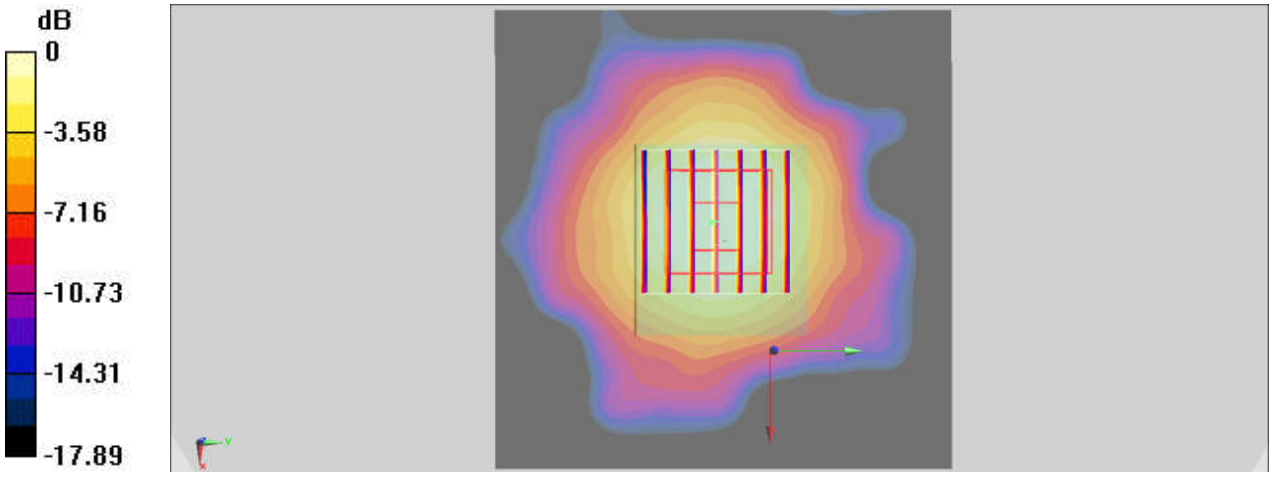
#05_WLAN2.4GHz_802.11b 1Mbps_Front_10mm_Ch11

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1.010
Medium: HSL_2450_220214 Medium parameters used: f = 2462 MHz; σ = 1.804 S/m; ε_r = 39.312; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7590; ConvF(7.94, 7.94, 7.94) @ 2462 MHz; Calibrated: 2021/3/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2021/7/14
- Phantom: Twin-SAM V5.0 (30deg probe tilt)_Right; Type: QD 000 P40 CD; Serial: TP-1479
- Measurement SW: DASY52, Version52.10 (4);SEMCAD X Version 14.6.14 (7483)

Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0403 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.674 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.0430 W/kg
SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.015 W/kg
Maximum value of SAR (measured) = 0.0366 W/kg



0 dB = 0.0366 W/kg = -14.37 dBW/kg

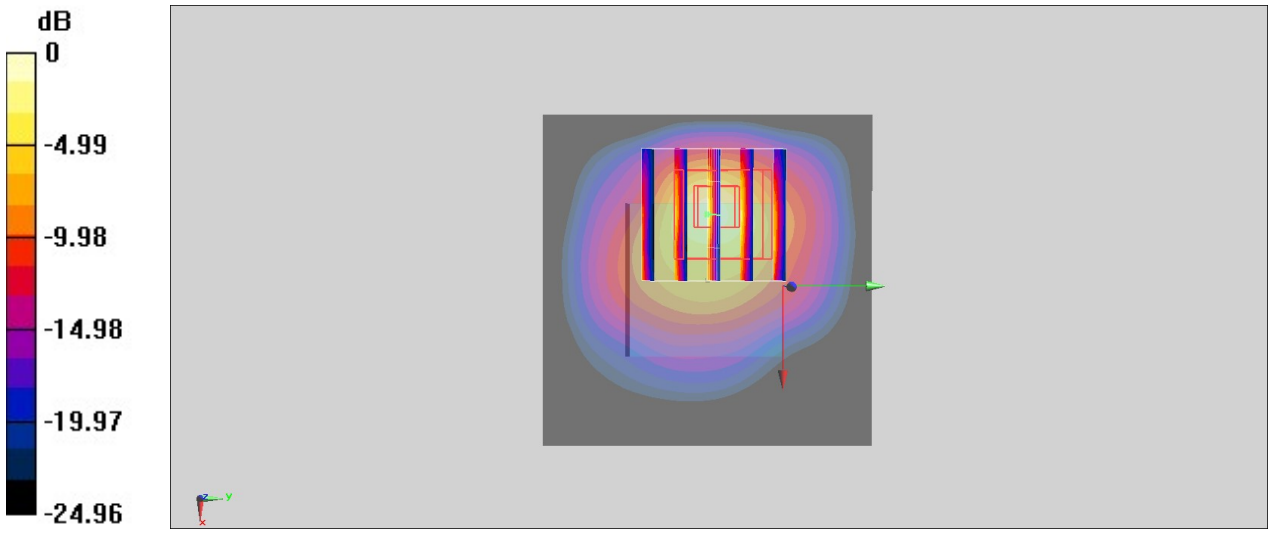
#06_LTE Band 2_20M_QPSK_1_0_Front_0mm_Ch18900

Communication System: LTE; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900_220215 Medium parameters used: f = 1880 MHz; σ = 1.398 S/m; ε_r = 39.667; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.28, 8.28, 8.28) @ 1880 MHz; Calibrated: 2021/12/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2021/5/21
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1131
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 14.4 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 76.82 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 21.0 W/kg
SAR(1 g) = 7.17 W/kg; SAR(10 g) = 2.72 W/kg
Maximum value of SAR (measured) = 16.7 W/kg



0 dB = 16.7 W/kg = 12.23 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/2/15

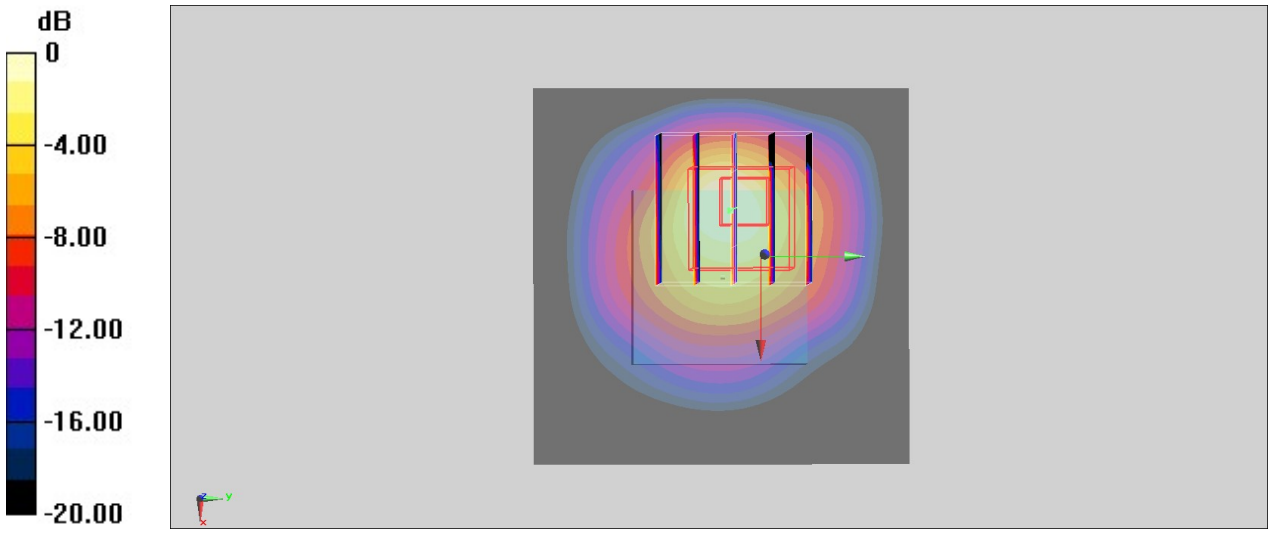
#07_LTE Band 4_20M_QPSK_1_0_Front_0mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1750_220215 Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.354 S/m; ε_r = 41.025; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.71, 8.71, 8.71) @ 1732.5 MHz; Calibrated: 2021/12/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2021/5/21
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1131
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 14.5 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 80.51 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 17.9 W/kg
SAR(1 g) = 6.98 W/kg; SAR(10 g) = 3.07 W/kg
Maximum value of SAR (measured) = 13.1 W/kg



0 dB = 13.1 W/kg = 11.17 dBW/kg

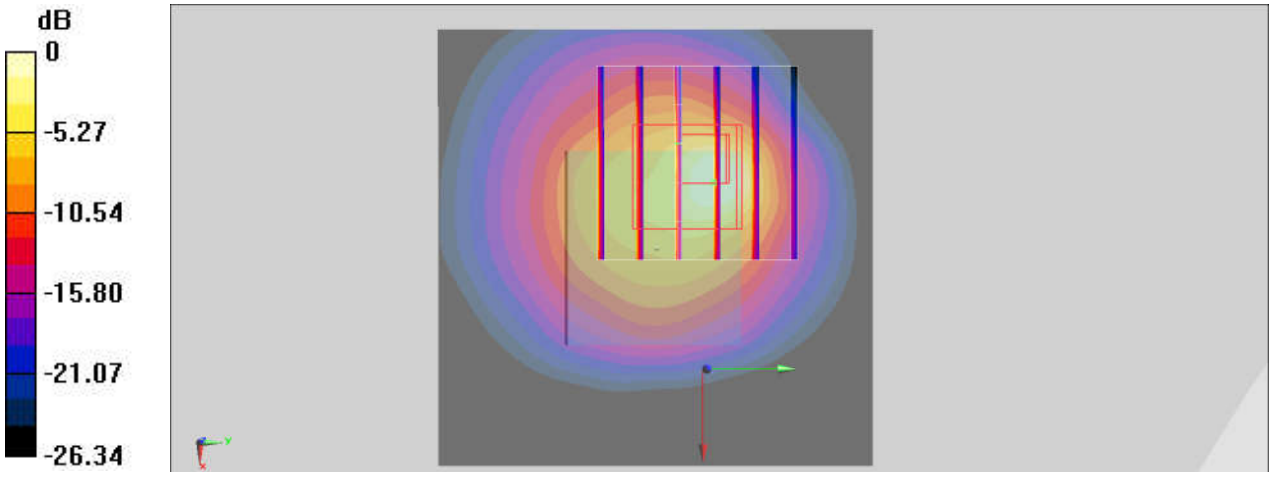
#08_LTE Band 5_10M_QPSK_1_0_Front_0mm_Ch20525

Communication System: LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL_850_220214 Medium parameters used: f = 836.5 MHz; σ = 0.928 S/m; ε_r = 42.670; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃； Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7590; ConvF(10.73, 10.73, 10.73) @ 836.5 MHz; Calibrated: 2021/3/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2021/7/14
- Phantom: Twin-SAM V5.0 (30deg probe tilt)_Right; Type: QD 000 P40 CD; Serial: TP-1479
- Measurement SW: DASY52, Version52.10 (4);SEMCAD X Version 14.6.14 (7483)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.07 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 60.55 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 8.62 W/kg
SAR(1 g) = 1.92 W/kg; SAR(10 g) = 0.710 W/kg
Maximum value of SAR (measured) = 4.52 W/kg



0 dB = 4.52 W/kg = 6.55 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/2/14

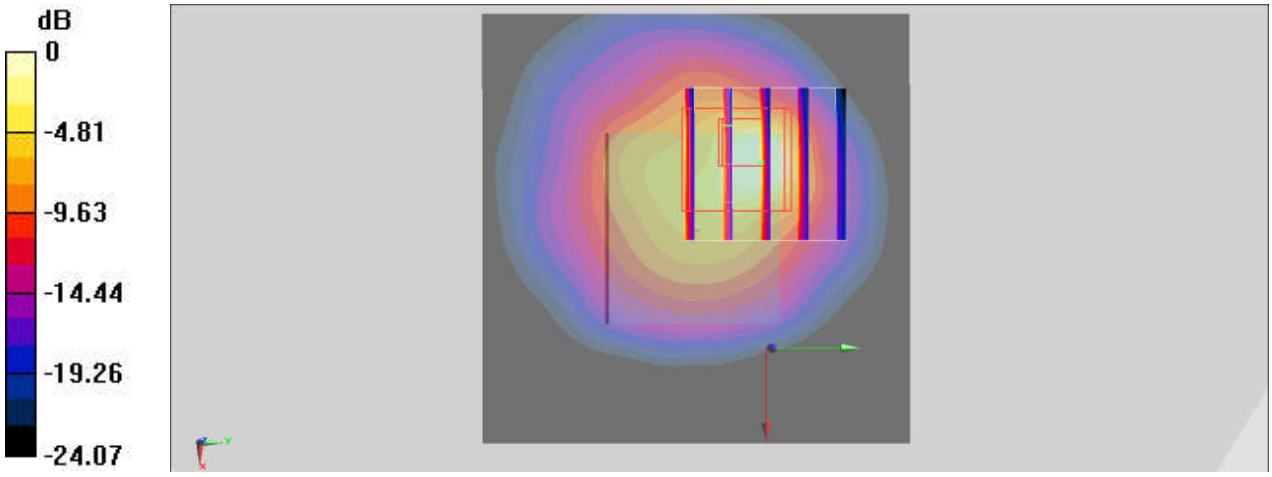
#09_LTE Band 13_10M_QPSK_1_0_Front_0mm_Ch23230

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: HSL_750_220214 Medium parameters used: f = 782 MHz; σ = 0.907 S/m; ε_r = 43.092; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7590; ConvF(11.12, 11.12, 11.12) @ 782 MHz; Calibrated: 2021/3/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2021/7/14
- Phantom: Twin-SAM V5.0 (30deg probe tilt)_Right; Type: QD 000 P40 CD; Serial: TP-1479
- Measurement SW: DASY52, Version52.10 (4);SEMCAD X Version 14.6.14 (7483)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 16.1 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 119.8 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 21.1 W/kg
SAR(1 g) = 4.74 W/kg; SAR(10 g) = 1.94 W/kg
Maximum value of SAR (measured) = 12.2 W/kg



0 dB = 12.2 W/kg = 10.86 dBW/kg

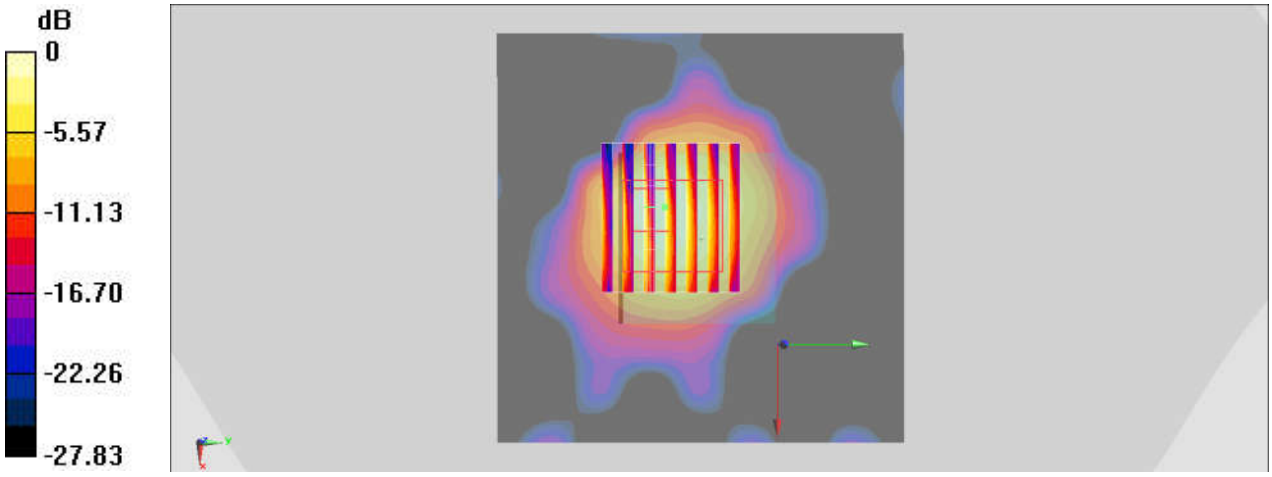
#10_WLAN2.4GHz_802.11b 1Mbps_Front_0mm_Ch11

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1.010
Medium: HSL_2450_220214 Medium parameters used: f = 2462 MHz; σ = 1.804 S/m; ε_r = 39.312; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7590; ConvF(7.94, 7.94, 7.94) @ 2462 MHz; Calibrated: 2021/3/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2021/7/14
- Phantom: Twin-SAM V5.0 (30deg probe tilt)_Right; Type: QD 000 P40 CD; Serial: TP-1479
- Measurement SW: DASY52, Version52.10 (4);SEMCAD X Version 14.6.14 (7483)

Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.198 W/kg

Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.402 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.516 W/kg
SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.046 W/kg
Maximum value of SAR (measured) = 0.180 W/kg



0 dB = 0.180 W/kg = -7.45 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/2/15

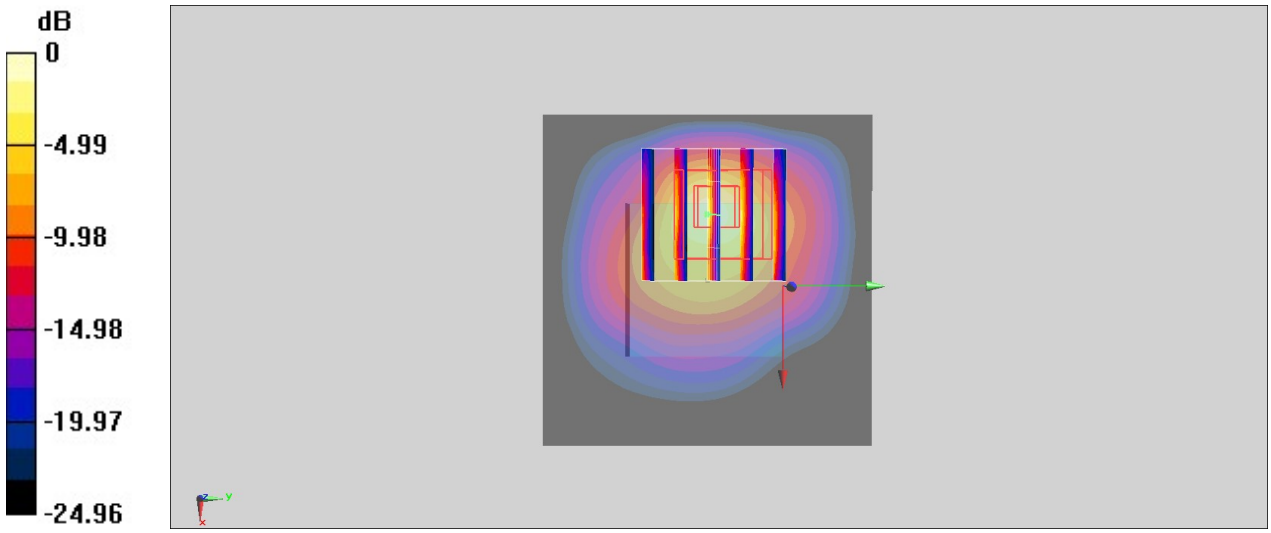
#11_LTE Band 2_20M_QPSK_1_0_Front_0mm_Ch18900

Communication System: LTE; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900_220215 Medium parameters used: f = 1880 MHz; σ = 1.398 S/m; ε_r = 39.667; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.28, 8.28, 8.28) @ 1880 MHz; Calibrated: 2021/12/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2021/5/21
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1131
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 14.4 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 76.82 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 21.0 W/kg
SAR(1 g) = 7.17 W/kg; SAR(10 g) = 2.72 W/kg
Maximum value of SAR (measured) = 16.7 W/kg



0 dB = 16.7 W/kg = 12.23 dBW/kg

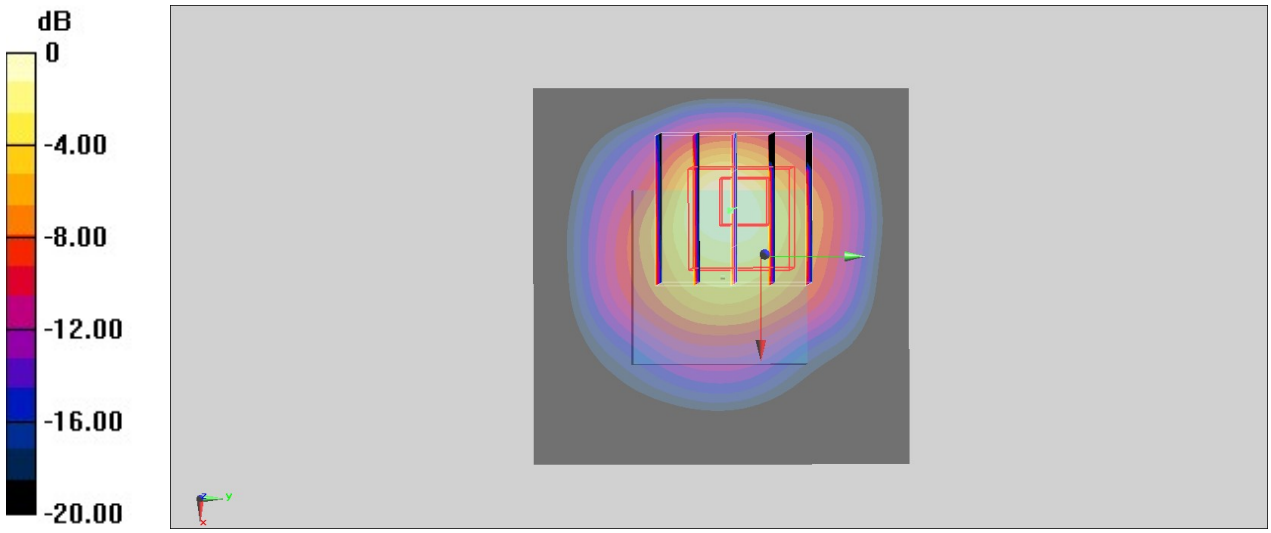
#12_LTE Band 4_20M_QPSK_1_0_Front_0mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1750_220215 Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.354 S/m; ε_r = 41.025; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.71, 8.71, 8.71) @ 1732.5 MHz; Calibrated: 2021/12/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2021/5/21
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1131
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 14.5 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 80.51 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 17.9 W/kg
SAR(1 g) = 6.98 W/kg; SAR(10 g) = 3.07 W/kg
Maximum value of SAR (measured) = 13.1 W/kg



0 dB = 13.1 W/kg = 11.17 dBW/kg

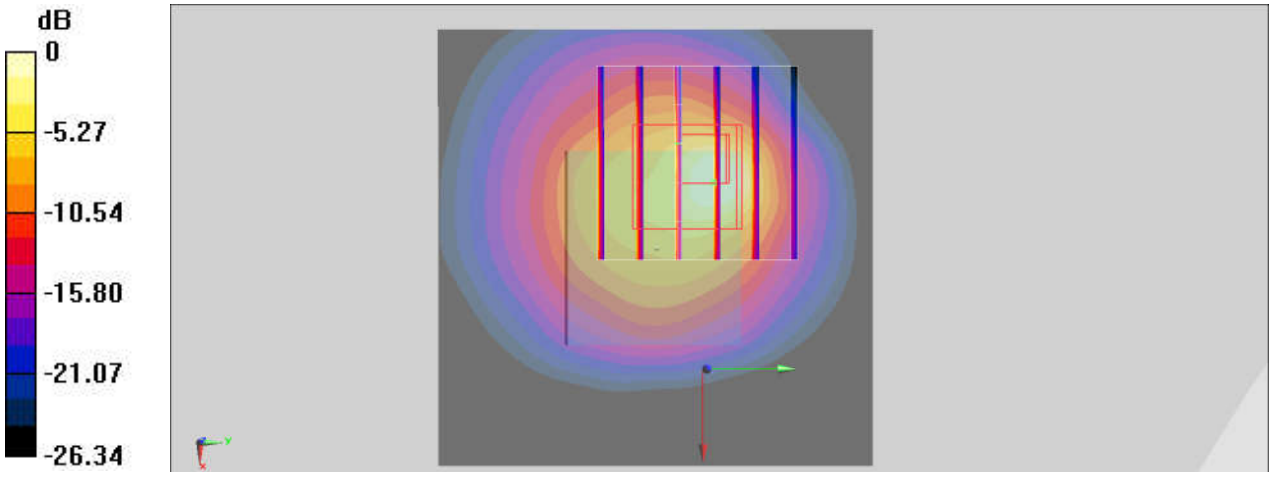
#13_LTE Band 5_10M_QPSK_1_0_Front_0mm_Ch20525

Communication System: LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL_850_220214 Medium parameters used: f = 836.5 MHz; σ = 0.928 S/m; ε_r = 42.670; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃； Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7590; ConvF(10.73, 10.73, 10.73) @ 836.5 MHz; Calibrated: 2021/3/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2021/7/14
- Phantom: Twin-SAM V5.0 (30deg probe tilt)_Right; Type: QD 000 P40 CD; Serial: TP-1479
- Measurement SW: DASY52, Version52.10 (4);SEMCAD X Version 14.6.14 (7483)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.07 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 60.55 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 8.62 W/kg
SAR(1 g) = 1.92 W/kg; SAR(10 g) = 0.710 W/kg
Maximum value of SAR (measured) = 4.52 W/kg



0 dB = 4.52 W/kg = 6.55 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2022/2/14

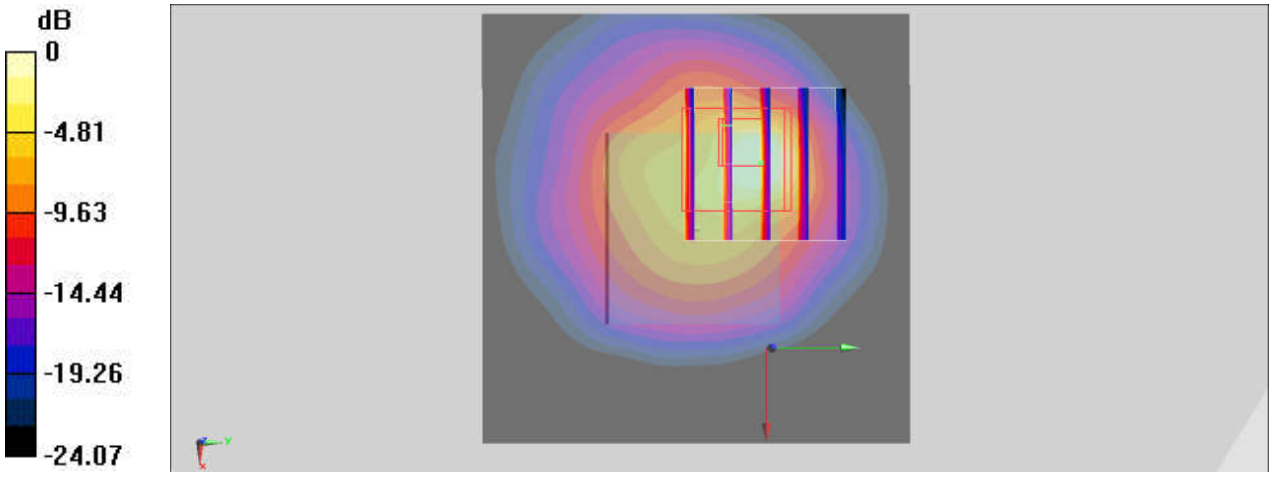
#14_LTE Band 13_10M_QPSK_1_0_Front_0mm_Ch23230

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: HSL_750_220214 Medium parameters used: f = 782 MHz; σ = 0.907 S/m; ε_r = 43.092; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7590; ConvF(11.12, 11.12, 11.12) @ 782 MHz; Calibrated: 2021/3/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2021/7/14
- Phantom: Twin-SAM V5.0 (30deg probe tilt)_Right; Type: QD 000 P40 CD; Serial: TP-1479
- Measurement SW: DASY52, Version52.10 (4);SEMCAD X Version 14.6.14 (7483)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 16.1 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 119.8 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 21.1 W/kg
SAR(1 g) = 4.74 W/kg; SAR(10 g) = 1.94 W/kg
Maximum value of SAR (measured) = 12.2 W/kg



0 dB = 12.2 W/kg = 10.86 dBW/kg

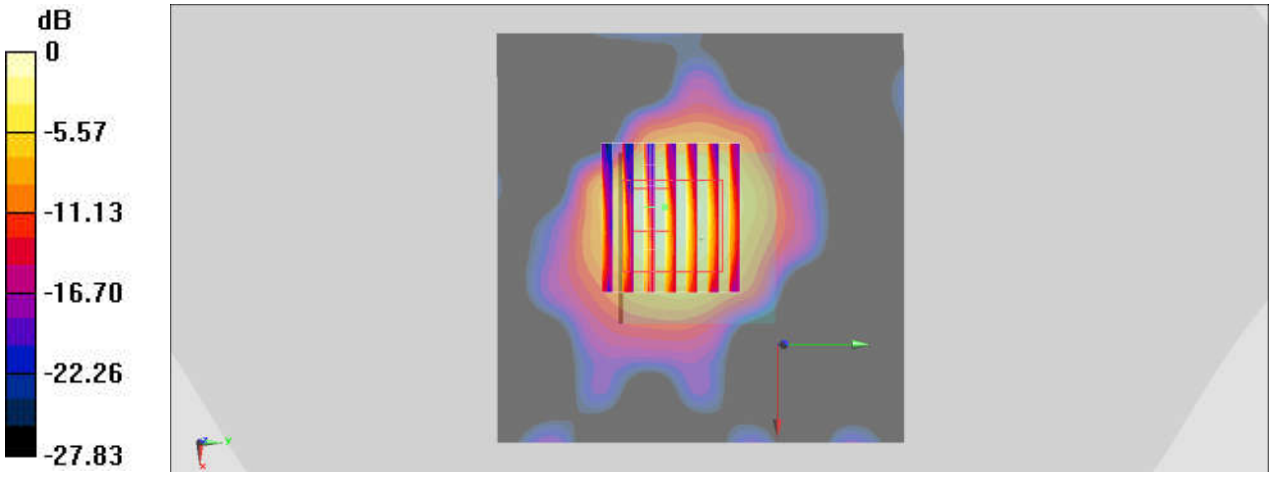
#15_WLAN2.4GHz_802.11b 1Mbps_Front_0mm_Ch11

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1.010
Medium: HSL_2450_220214 Medium parameters used: f = 2462 MHz; σ = 1.804 S/m; ε_r = 39.312; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7590; ConvF(7.94, 7.94, 7.94) @ 2462 MHz; Calibrated: 2021/3/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2021/7/14
- Phantom: Twin-SAM V5.0 (30deg probe tilt)_Right; Type: QD 000 P40 CD; Serial: TP-1479
- Measurement SW: DASY52, Version52.10 (4);SEMCAD X Version 14.6.14 (7483)

Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.198 W/kg

Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.402 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.516 W/kg
SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.046 W/kg
Maximum value of SAR (measured) = 0.180 W/kg



0 dB = 0.180 W/kg = -7.45 dBW/kg