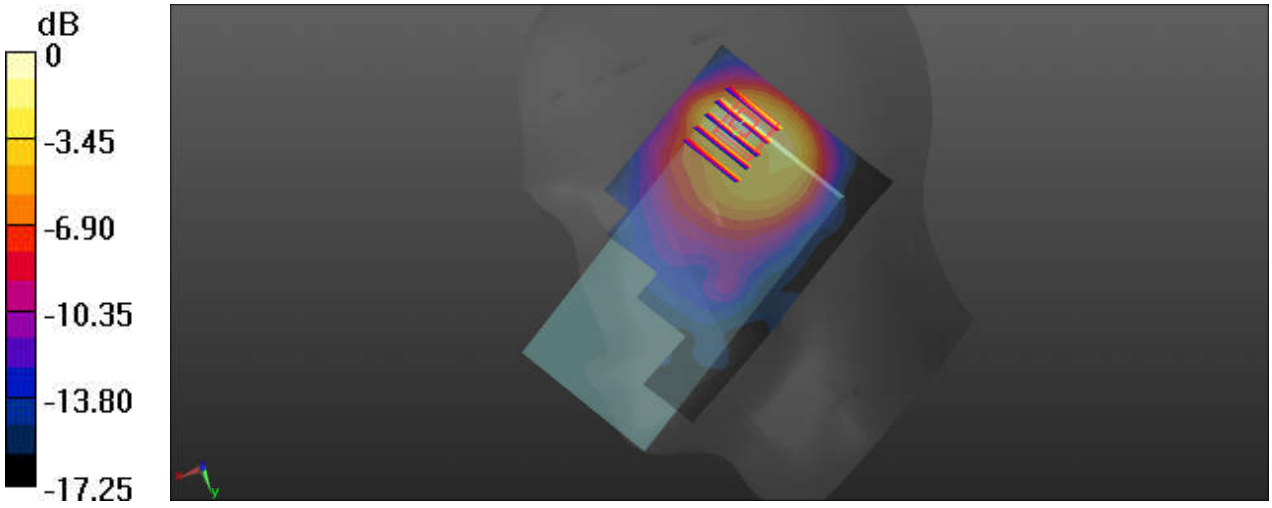
01_GSM850_GSM(Voice)_Right Tilted_Ch189

Communication System: UID 0, Generic GSM (0); Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: HSL_835_190504 Medium parameters used: f = 836.4 MHz; σ = 0.912 S/m; ε_r = 42.893; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3958; ConvF(10.32, 10.32, 10.32); Calibrated: 2019.01.31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2019.01.03
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Ch189/Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.956 W/kg

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.47 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.97 W/kg
SAR(1 g) = 0.752 W/kg; SAR(10 g) = 0.360 W/kg
Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 0.956 W/kg

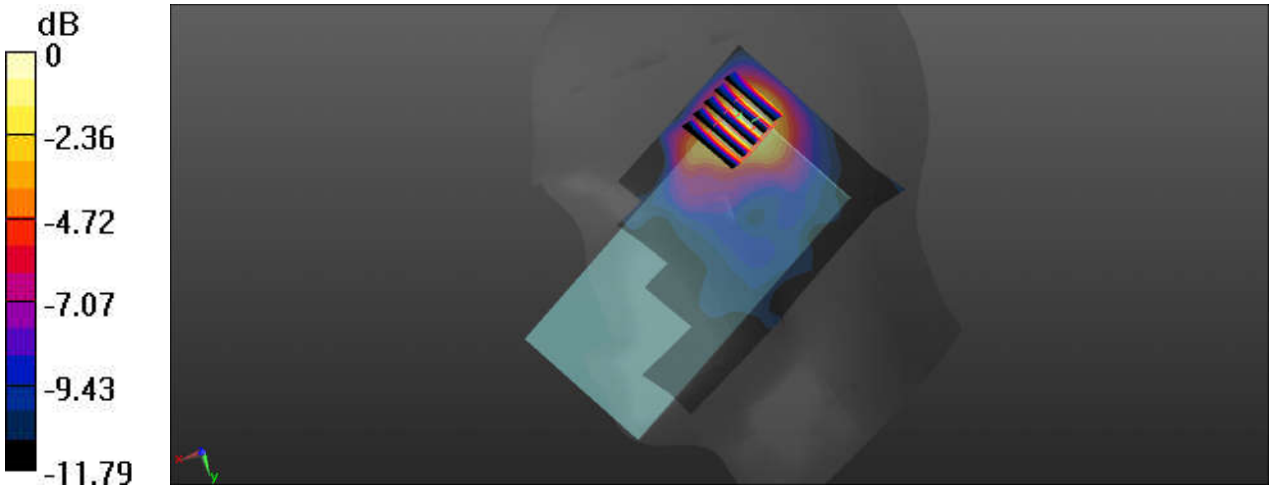
02_GSM1900_GSM(Voice)_Right Cheek_Ch810

Communication System: UID 0, Generic GSM (0); Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_190505 Medium parameters used: f = 1909.8 MHz; σ = 1.453 S/m; ε_r = 39.988;ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3958; ConvF(8.48, 8.48, 8.48); Calibrated: 2019.01.31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2019.01.03
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Ch810/Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.592 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.82 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.853 W/kg
SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.217 W/kg
Maximum value of SAR (measured) = 0.555 W/kg



0 dB = 0.592 W/kg

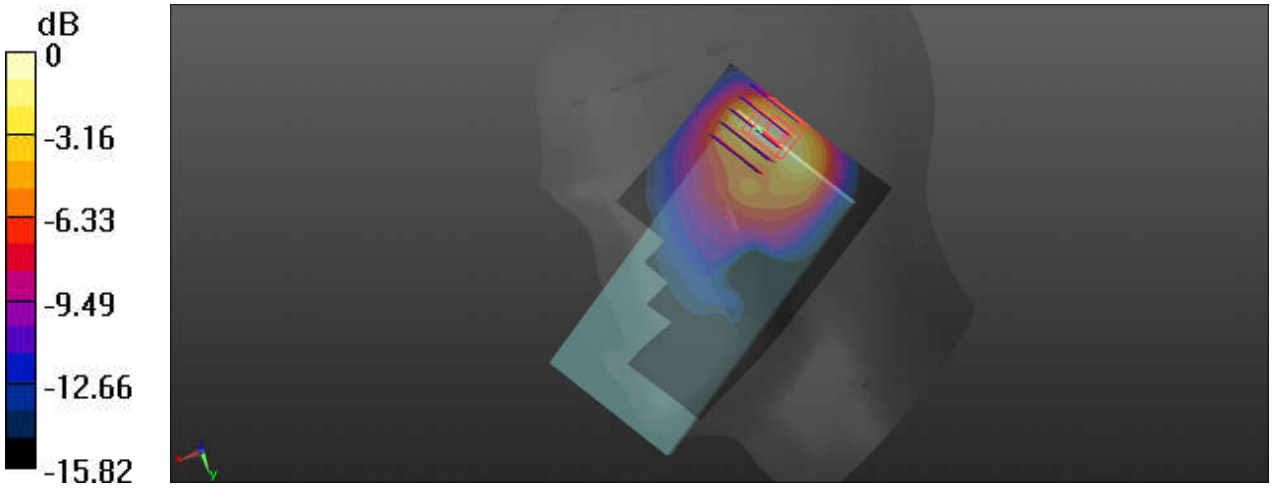
03_WCDMA V_RMC 12.2Kbps_Right Tilted_Ch4182

Communication System: UID 0, UMTS (0); Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL_835_190504 Medium parameters used: f = 836.4 MHz; σ = 0.912 S/m; ε_r = 42.893; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3958; ConvF(10.32, 10.32, 10.32); Calibrated: 2019.01.31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2019.01.03
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Ch4182/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.19 W/kg

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.42 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.576 W/kg; SAR(10 g) = 0.320 W/kg
Maximum value of SAR (measured) = 0.849 W/kg



0 dB = 1.19 W/kg

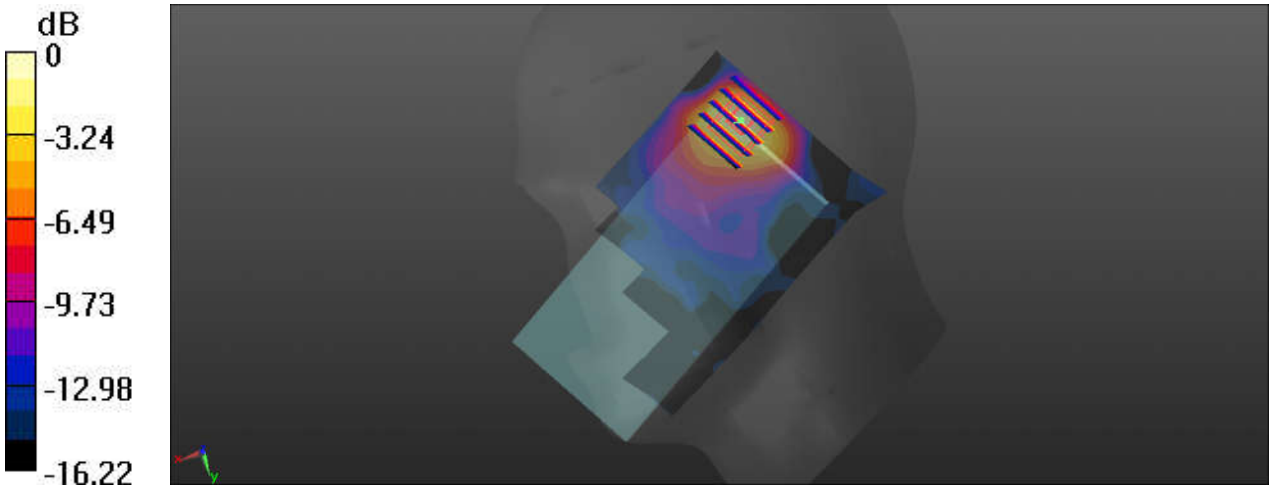
04_WCDMA IV_RMC 12.2Kbps_Right Tilted_Ch1413

Communication System: UID 0, UMTS (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190505 Medium parameters used: f = 1732.6 MHz; σ = 1.356 S/m; ε_r = 41.475;ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3958; ConvF(8.9, 8.9, 8.9); Calibrated: 2019.01.31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2019.01.03
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Ch1413/Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.03 W/kg

Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.87 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.94 W/kg
SAR(1 g) = 0.642 W/kg; SAR(10 g) = 0.295 W/kg
Maximum value of SAR (measured) = 1.28 W/kg



0 dB = 1.03 W/kg

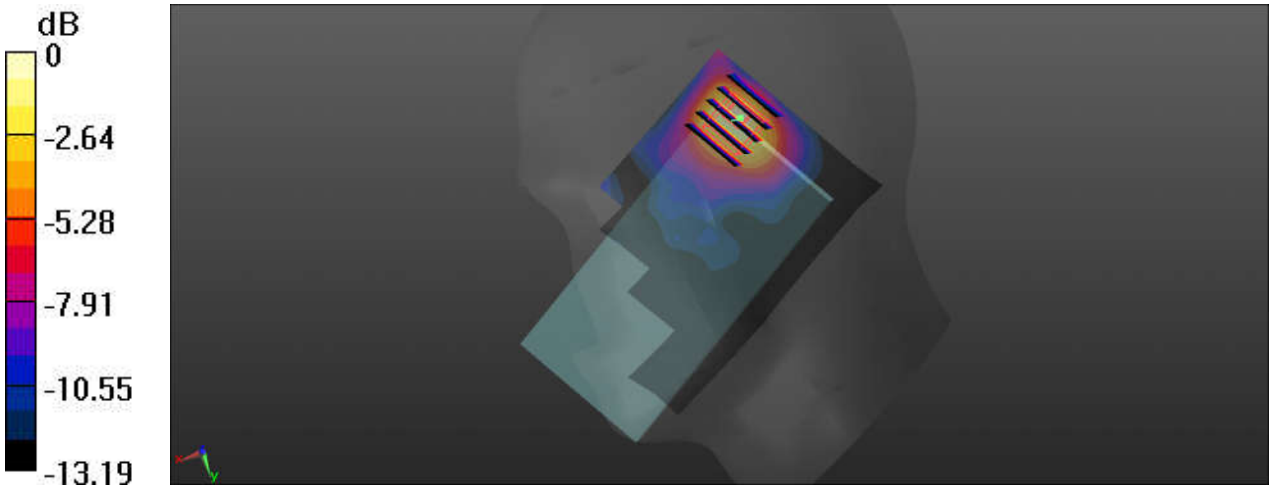
05_WCDMA II_RMC 12.2Kbps_Right Tilted_Ch9538

Communication System: UID 0, UMTS (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190505 Medium parameters used: f = 1907.6 MHz; σ = 1.451 S/m; ε_r = 39.996;ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3958; ConvF(8.48, 8.48, 8.48); Calibrated: 2019.01.31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2019.01.03
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Ch9538/Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.856 W/kg

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.43 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.09 W/kg
SAR(1 g) = 0.463 W/kg; SAR(10 g) = 0.238 W/kg
Maximum value of SAR (measured) = 0.678 W/kg



0 dB = 0.856 W/kg

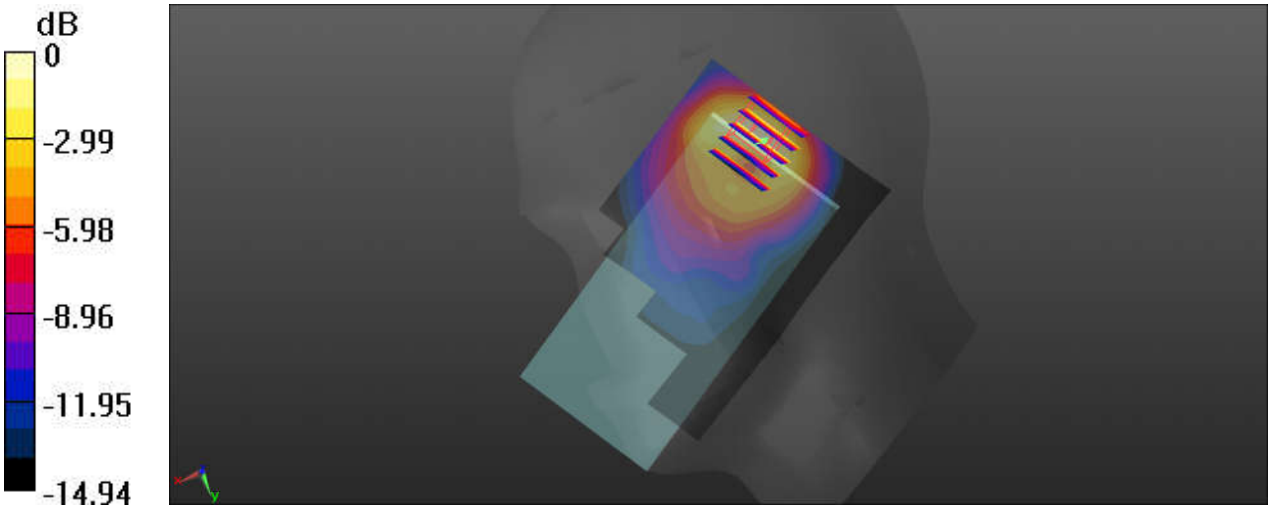
06_LTE Band 5_10M_QPSK_25RB_0Offset_Right Tilted_Ch20525

Communication System: UID 0, LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL_835_190504 Medium parameters used: f = 836.5 MHz; σ = 0.912 S/m; ε_r = 42.892; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3958; ConvF(10.32, 10.32, 10.32); Calibrated: 2019.01.31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2019.01.03
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Ch20525/Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.834 W/kg

Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.36 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.331 W/kg
Maximum value of SAR (measured) = 0.914 W/kg



0 dB = 0.914 W/kg

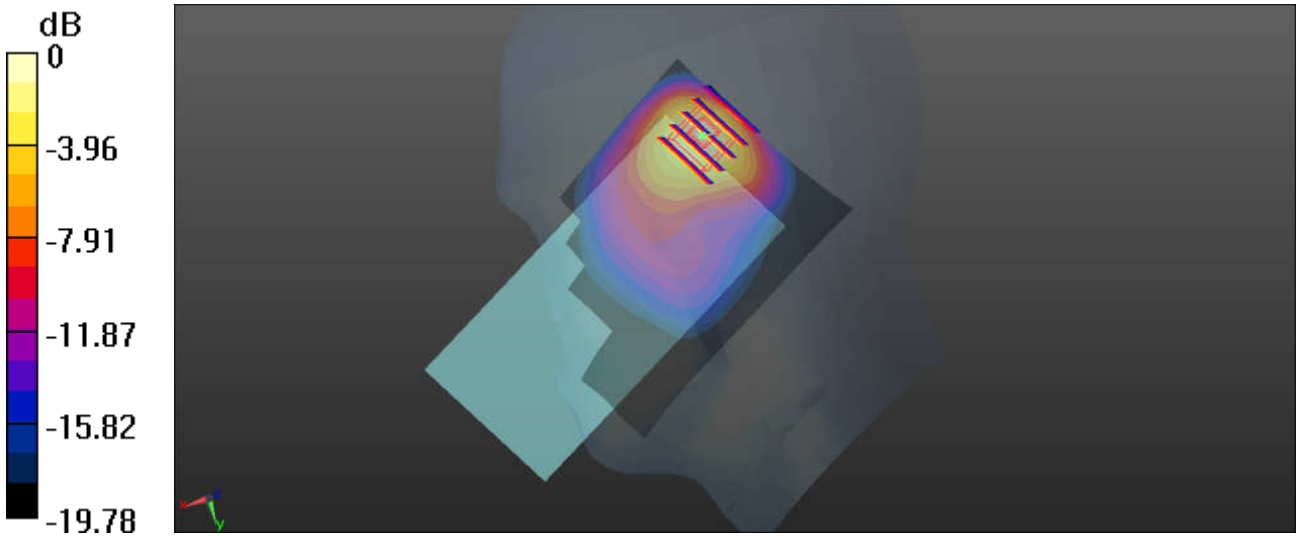
07_LTE Band 4_20M_QPSK_100RB_0Offset_Right Tilted_Ch20175

Communication System: UID 0, LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190505 Medium parameters used: f = 1732.5 MHz; σ = 1.355 S/m; ε_r = 41.479; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3958; ConvF(8.9, 8.9, 8.9); Calibrated: 2019.01.31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2019.01.03
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Ch20175/Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.05 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 0.687 W/kg; SAR(10 g) = 0.324 W/kg
Maximum value of SAR (measured) = 0.956 W/kg



0 dB = 0.956 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019.05.05

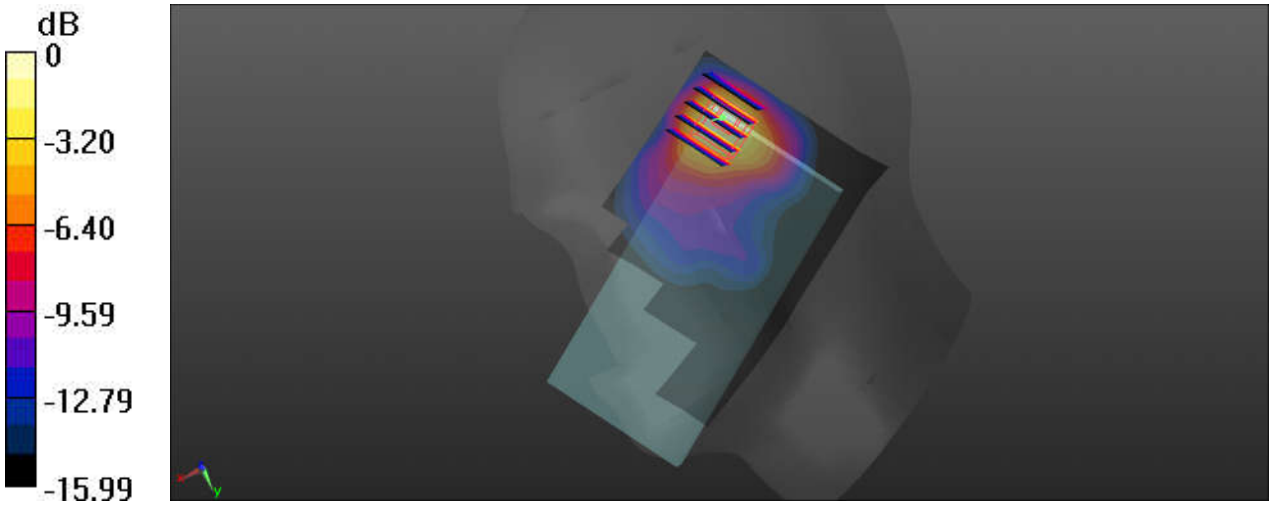
08_LTE Band 2_20M_QPSK_50RB_0Offset_Right Tilted_Ch18700

Communication System: UID 0, LTE (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190505 Medium parameters used: f = 1860 MHz; σ = 1.402 S/m; ε_r = 40.212; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3958; ConvF(8.48, 8.48, 8.48); Calibrated: 2019.01.31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2019.01.03
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Ch18700/Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.12 W/kg

Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.84 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 0.662 W/kg; SAR(10 g) = 0.335 W/kg
Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.12 W/kg

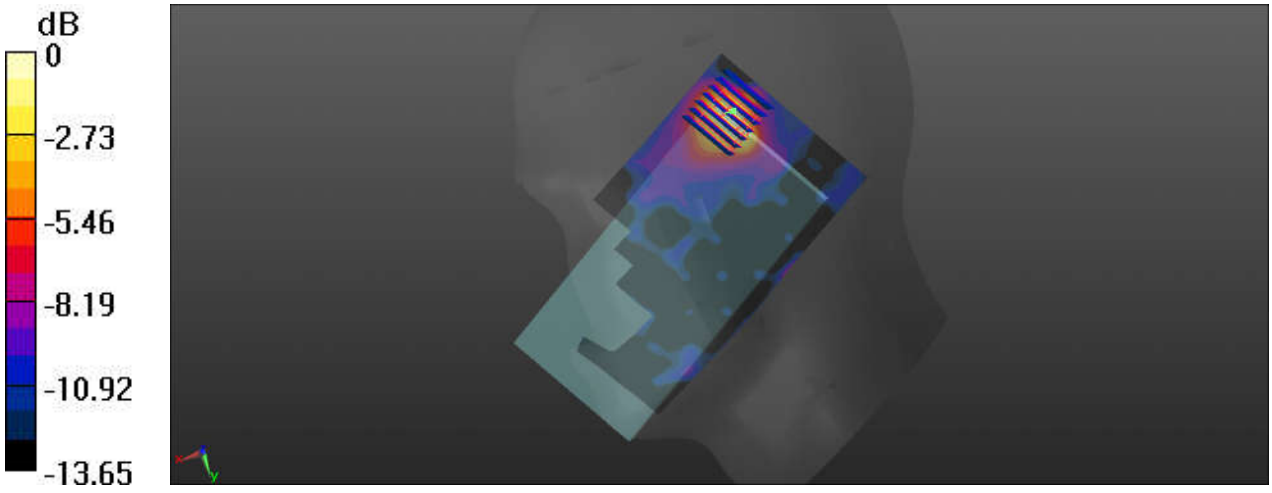
09_LTE Band 7_20M_QPSK_50RB_24Offset_Right Tilted_Ch21350

Communication System: UID 0, LTE (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium: HSL_2600_190506 Medium parameters used: f = 2560 MHz; σ = 1.937 S/m; ε_r = 38.429; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3958; ConvF(7.36, 7.36, 7.36); Calibrated: 2019.01.31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2019.01.03
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Ch21350/Area Scan (81x161x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.766 W/kg

Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.449 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.63 W/kg
SAR(1 g) = 0.575 W/kg; SAR(10 g) = 0.234 W/kg
Maximum value of SAR (measured) = 0.987 W/kg



0 dB = 0.766 W/kg

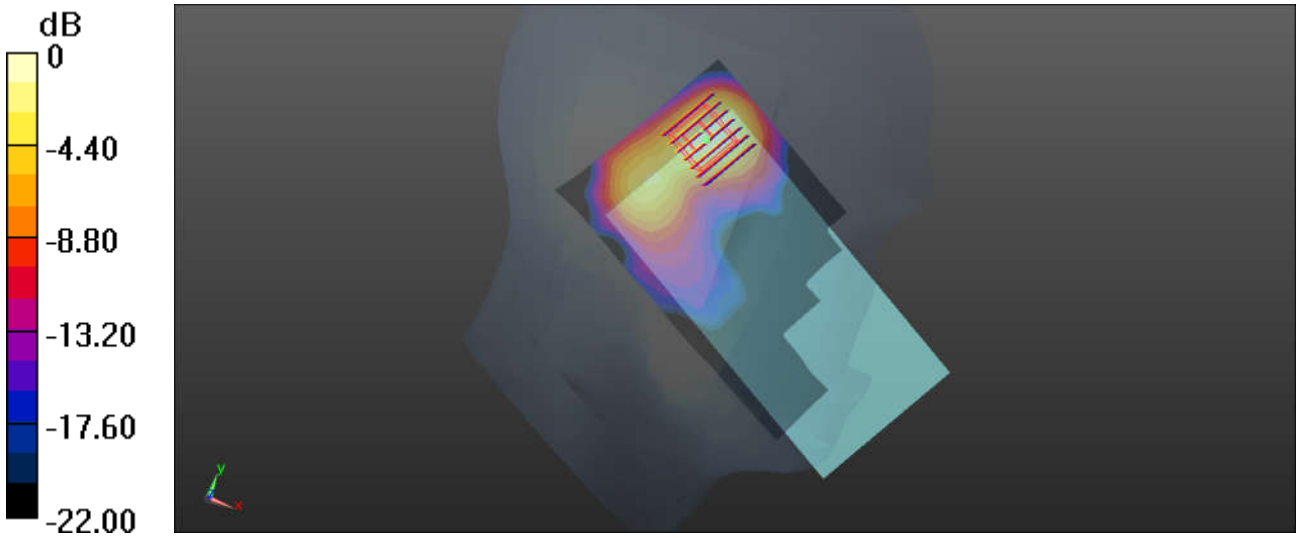
10_WLAN2.4GHz_802.11b 1Mbps_Left Tilted_Ch6

Communication System: UID 0, WIFI (0); Frequency: 2437 MHz;Duty Cycle: 1:1.003
Medium: HSL_2450_190506 Medium parameters used: f = 2437 MHz; σ = 1.73 S/m; ε_r = 39.317; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3958; ConvF(7.61, 7.61, 7.61); Calibrated: 2019.01.31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2019.01.03
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Ch6/Area Scan (81x161x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.543 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.3310 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.470 W/kg; SAR(10 g) = 0.217 W/kg
Maximum value of SAR (measured) = 0.627 W/kg



0 dB = 0.627 W/kg

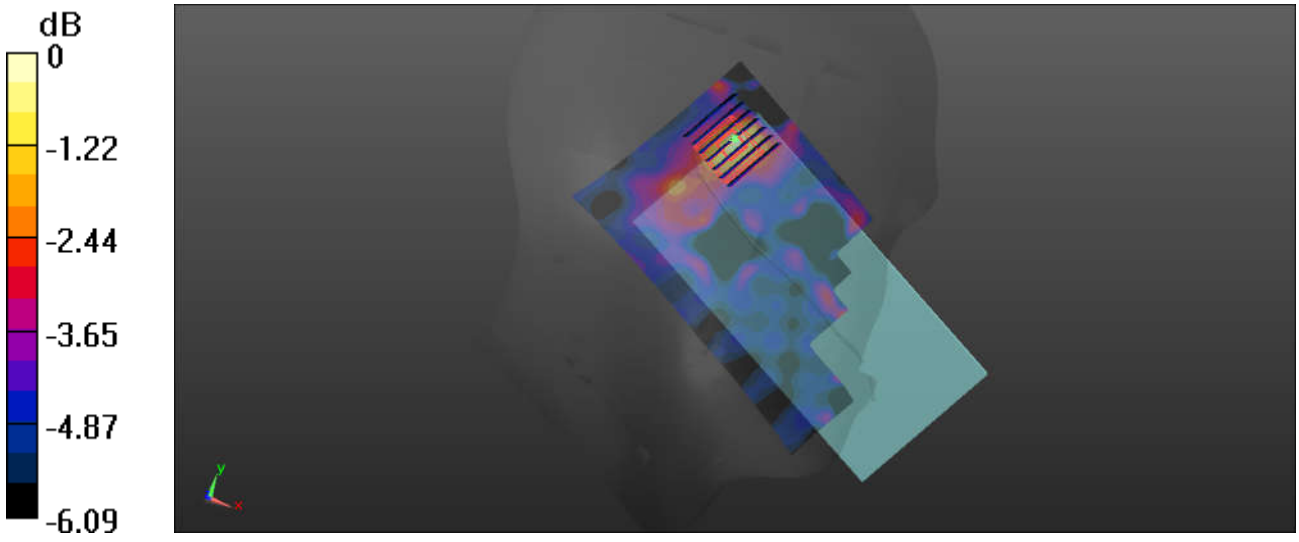
11_Bluetooth_DH5 1Mbps_Left Tilted_Ch78

Communication System: UID 0, Bluetooth (0); Frequency: 2480 MHz;Duty Cycle: 1:1.299
Medium: HSL_2450_190506 Medium parameters used: f = 2480 MHz; σ = 1.781 S/m; ε_r = 39.152; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3958; ConvF(7.61, 7.61, 7.61); Calibrated: 2019.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2019.01.03
- Phantom: Twin-SAM1(P1aP2a20); Type: QD 000 P40 CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.10 (7331)

Ch78/Area Scan (81x161x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.152 W/kg

Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.465 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.217 W/kg
SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.071 W/kg
Maximum value of SAR (measured) = 0.162 W/kg



0 dB = 0.162 W/kg

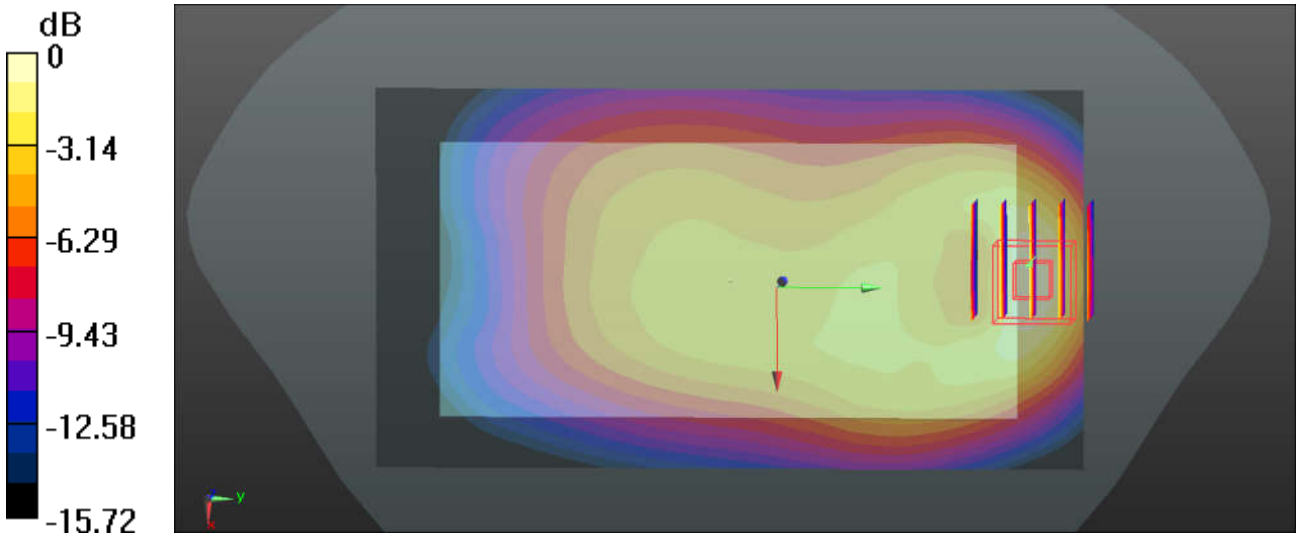
12_GSM850_GPRS(4 Tx slot)_Back_10mm_Ch189

Communication System: UID 0, GPRS/EDGE12 (0); Frequency: 836.4 MHz;Duty Cycle: 1:2.08
Medium: MSL_835_190505 Medium parameters used: f = 836.4 MHz; σ = 0.968 S/m; ε_r = 55.391; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(9.4, 9.4, 9.4); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch189/Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.616 W/kg

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.411 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.896 W/kg
SAR(1 g) = 0.520 W/kg; SAR(10 g) = 0.294 W/kg
Maximum value of SAR (measured) = 0.638 W/kg



0 dB = 0.638 W/kg

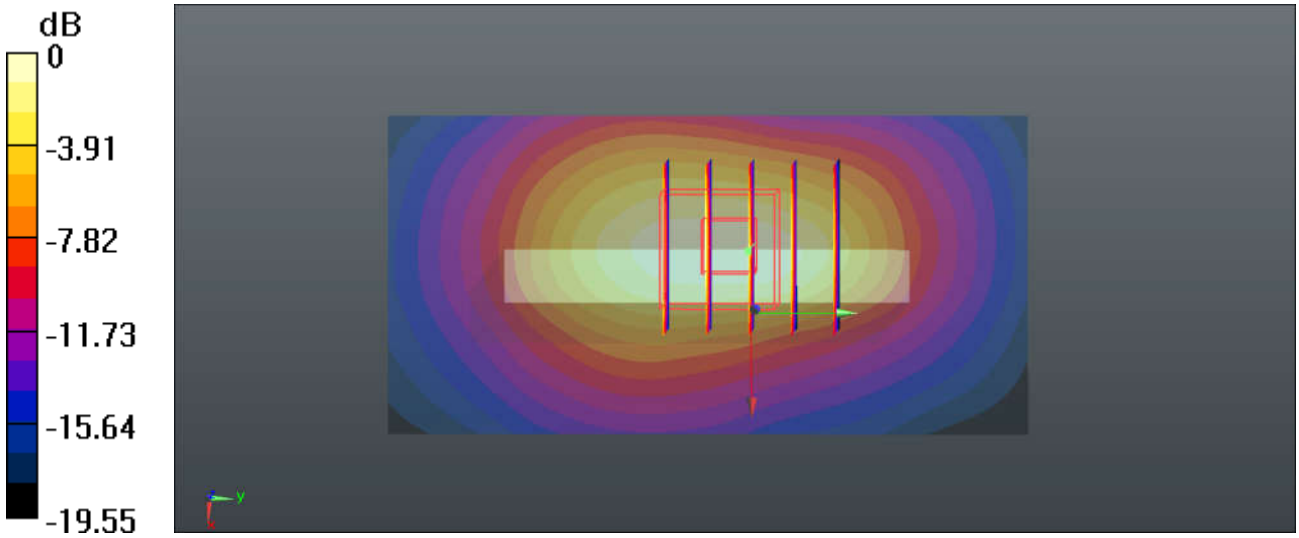
13_GSM1900_GPRS(4 Tx slot)_Bottom Side_10mm_Ch810

Communication System: UID 0, GPRS/EDGE12 (0); Frequency: 1909.8 MHz;Duty Cycle: 1:1.2.08
Medium: MSL_1900_190504 Medium parameters used: f = 1909.8 MHz; σ = 1.529 S/m; ε_r = 53.552; ρ= 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.66, 7.66, 7.66); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (41x81x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.357 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.998 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.528 W/kg
SAR(1 g) = 0.289 W/kg; SAR(10 g) = 0.153 W/kg
Maximum value of SAR (measured) = 0.366 W/kg



0 dB = 0.366 W/kg

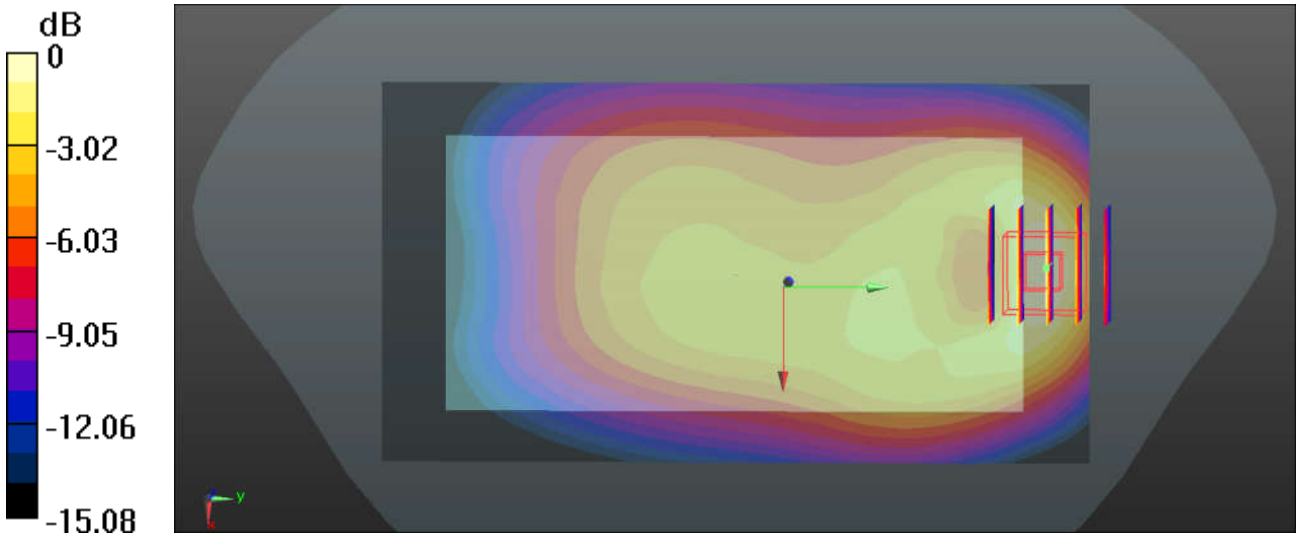
14_WCDMA V_RMC 12.2Kbps_Back_10mm_Ch4182

Communication System: UID 0, UMTS (0); Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: MSL_835_190505 Medium parameters used: f = 836.4 MHz; σ = 0.968 S/m; ε_r = 55.391; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(9.4, 9.4, 9.4); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4182/Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.724 W/kg

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.501 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.604 W/kg; SAR(10 g) = 0.341 W/kg
Maximum value of SAR (measured) = 0.732 W/kg



0 dB = 0.732 W/kg

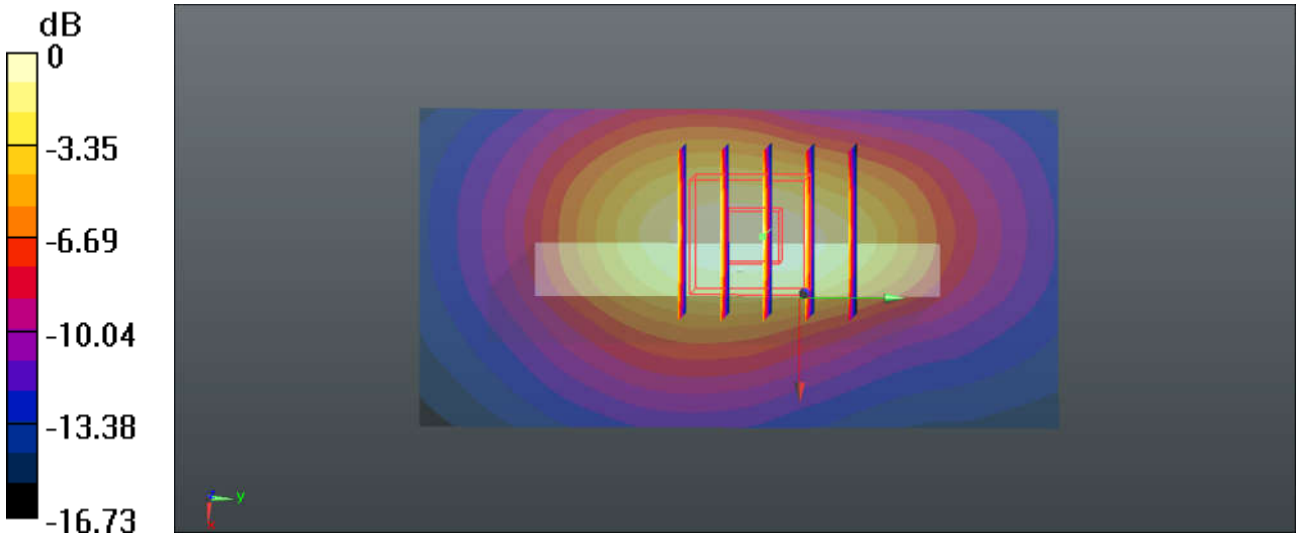
15_WCDMA IV_RMC 12.2Kbps_Bottom Side_10mm_Ch1413

Communication System: UID 0, UMTS (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: MSL_1750_190504 Medium parameters used: f = 1732.6 MHz; σ = 1.429 S/m; ε_r = 51.903; ρ= 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8.06, 8.06, 8.06); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1413/Area Scan (41x81x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.664 W/kg

Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.620 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.913 W/kg
SAR(1 g) = 0.538 W/kg; SAR(10 g) = 0.299 W/kg
Maximum value of SAR (measured) = 0.670 W/kg



0 dB = 0.670 W/kg

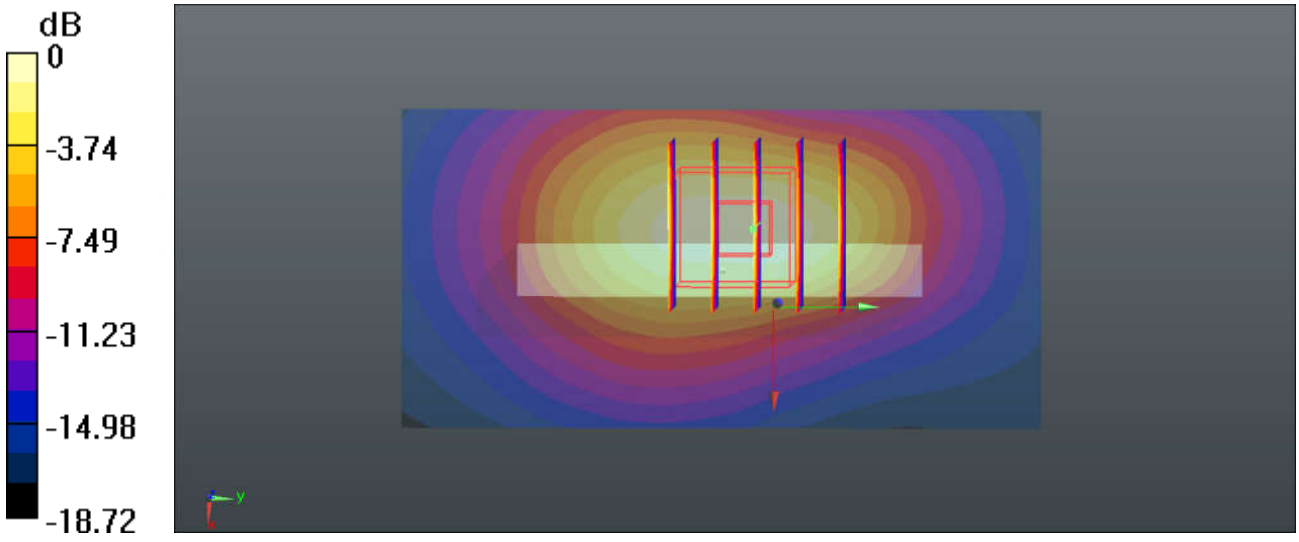
16_WCDMA II_RMC 12.2Kbps_Bottom Side_10mm_Ch9262

Communication System: UID 0, UMTS (0); Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: MSL_1900_190504 Medium parameters used: f = 1852.4 MHz; σ = 1.462 S/m; ε_r = 53.584; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.66, 7.66, 7.66); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9262/Area Scan (41x81x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.855 W/kg

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.642 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.676 W/kg; SAR(10 g) = 0.362 W/kg
Maximum value of SAR (measured) = 0.854 W/kg



0 dB = 0.854 W/kg

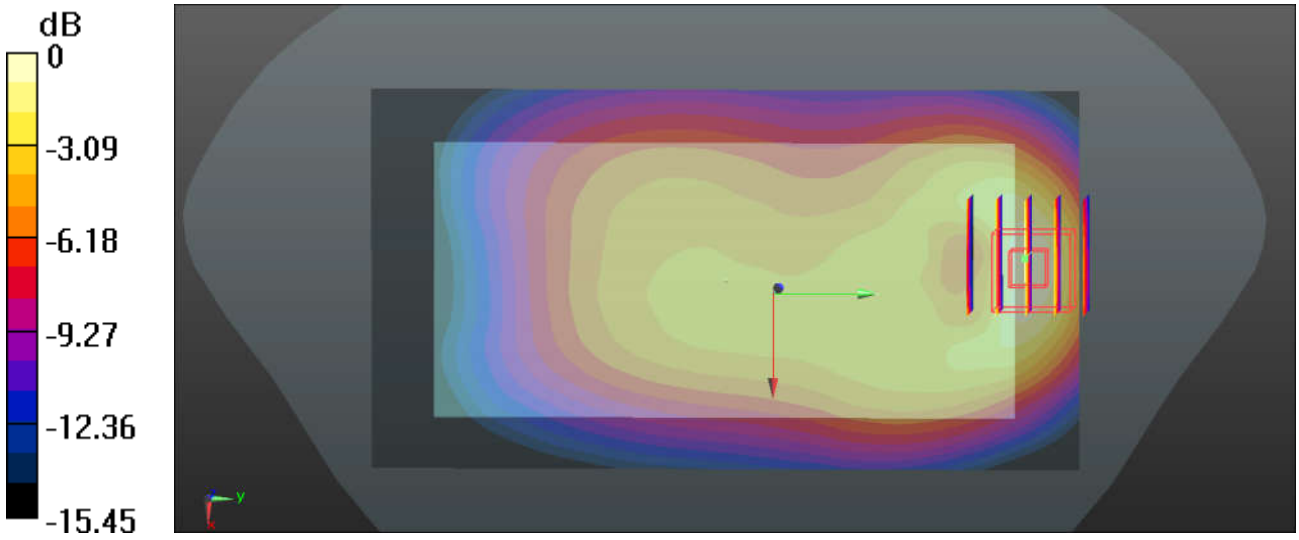
17_LTE Band 5_10M_QPSK_1RB_25Offset_Back_10mm_Ch20525

Communication System: UID 0, LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: MSL_835_190505 Medium parameters used: f = 836.5 MHz; σ = 0.968 S/m; ε_r = 55.391; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(9.4, 9.4, 9.4); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.767 W/kg

Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.794 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.938 W/kg
SAR(1 g) = 0.567 W/kg; SAR(10 g) = 0.324 W/kg
Maximum value of SAR (measured) = 0.770 W/kg



0 dB = 0.770 W/kg

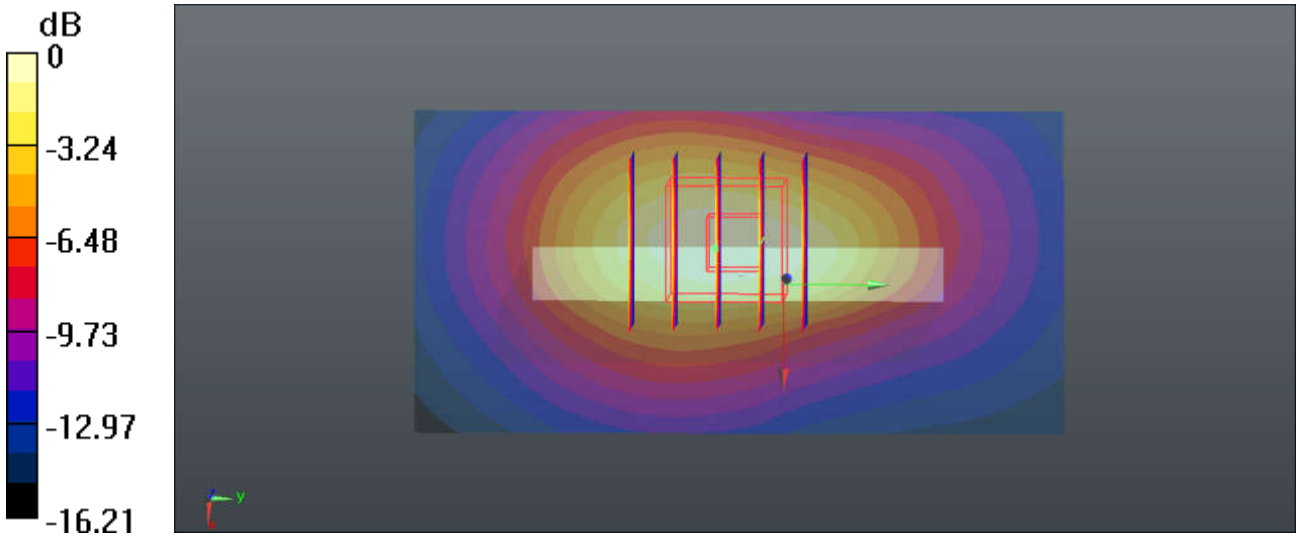
18_LTE Band 4_20M_QPSK_1RB_0Offset_Bottom Side_10mm_Ch20175

Communication System: UID 0, LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1750_190504 Medium parameters used: f = 1732.5 MHz; σ = 1.428 S/m; ε_r = 51.905; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8.06, 8.06, 8.06); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (41x81x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.744 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.772 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.599 W/kg; SAR(10 g) = 0.335 W/kg
Maximum value of SAR (measured) = 0.736 W/kg



0 dB = 0.736 W/kg

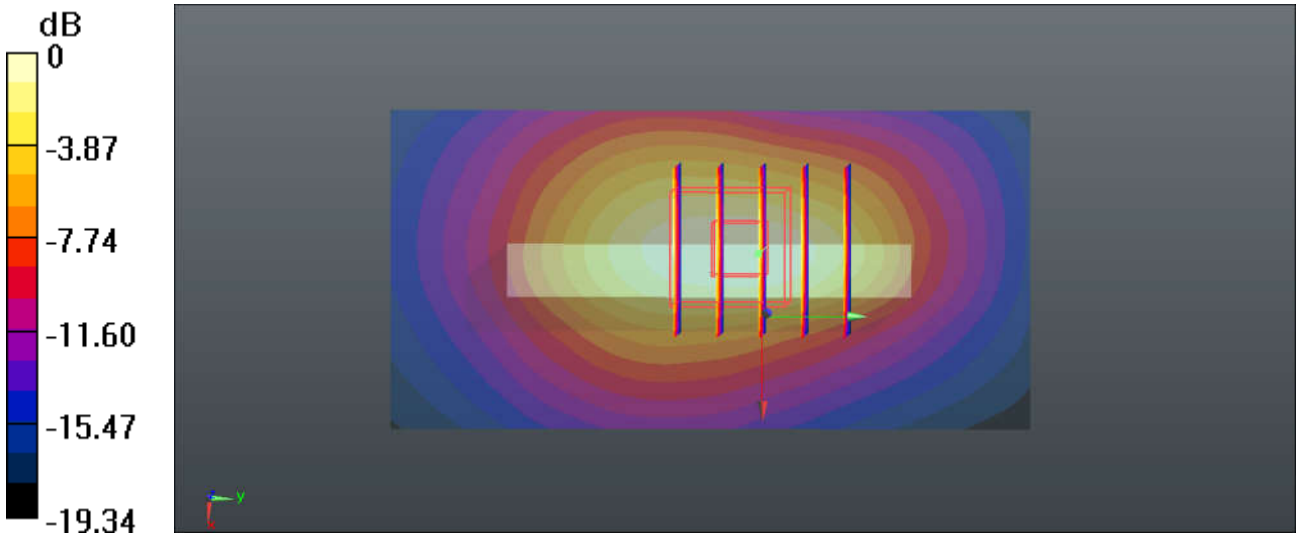
19_LTE Band 2_20M_QPSK_1RB_0Offset_Bottom Side_10mm_Ch19100

Communication System: UID 0, LTE (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900_190504 Medium parameters used: f = 1900 MHz; σ = 1.519 S/m; ε_r = 53.569; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.66, 7.66, 7.66); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch19100/Area Scan (41x81x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.837 W/kg

Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.296 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.650 W/kg; SAR(10 g) = 0.348 W/kg
Maximum value of SAR (measured) = 0.813 W/kg



0 dB = 0.813 W/kg

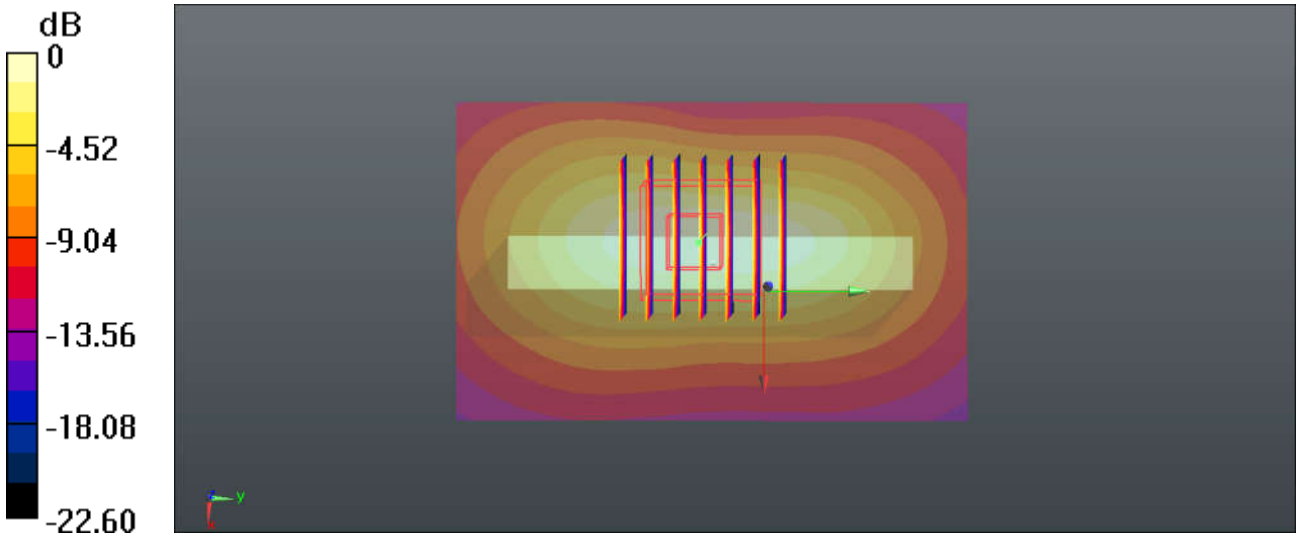
20_LTE Band 7_20M_QPSK_50RB_24Offset_Bottom Side_10mm_Ch21350

Communication System: UID 0, LTE (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium: MSL_2600_190503 Medium parameters used: f = 2560 MHz; σ = 2.132 S/m; ε_r = 51.063; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.04, 7.04, 7.04); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21350/Area Scan (51x81x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.910 W/kg

Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.206 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 0.693 W/kg; SAR(10 g) = 0.331 W/kg
Maximum value of SAR (measured) = 0.912 W/kg



0 dB = 0.912 W/kg

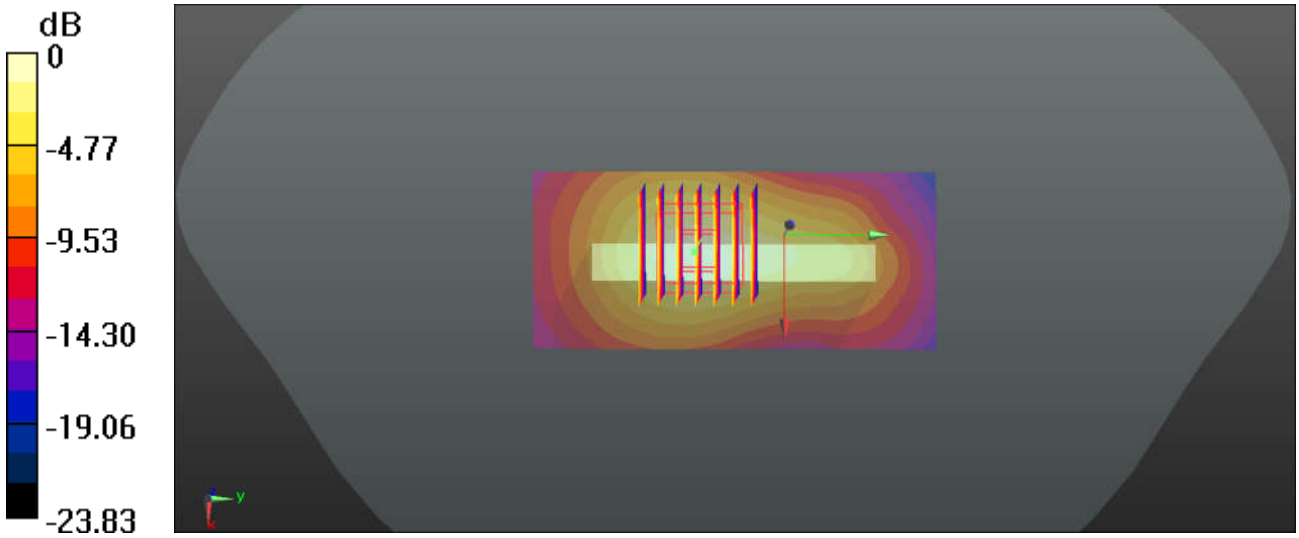
21_WLAN2.4GHz_802.11b 1Mbps_Top Side_10mm_Ch6

Communication System: UID 0, WIFI (0); Frequency: 2437 MHz;Duty Cycle: 1:1.003
Medium: MSL_2450_190506 Medium parameters used: f = 2437 MHz; σ = 1.974 S/m; ε_r = 52.402; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.32, 7.32, 7.32); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (41x91x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.206 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.328 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.320 W/kg
SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.080 W/kg
Maximum value of SAR (measured) = 0.207 W/kg



0 dB = 0.207 W/kg

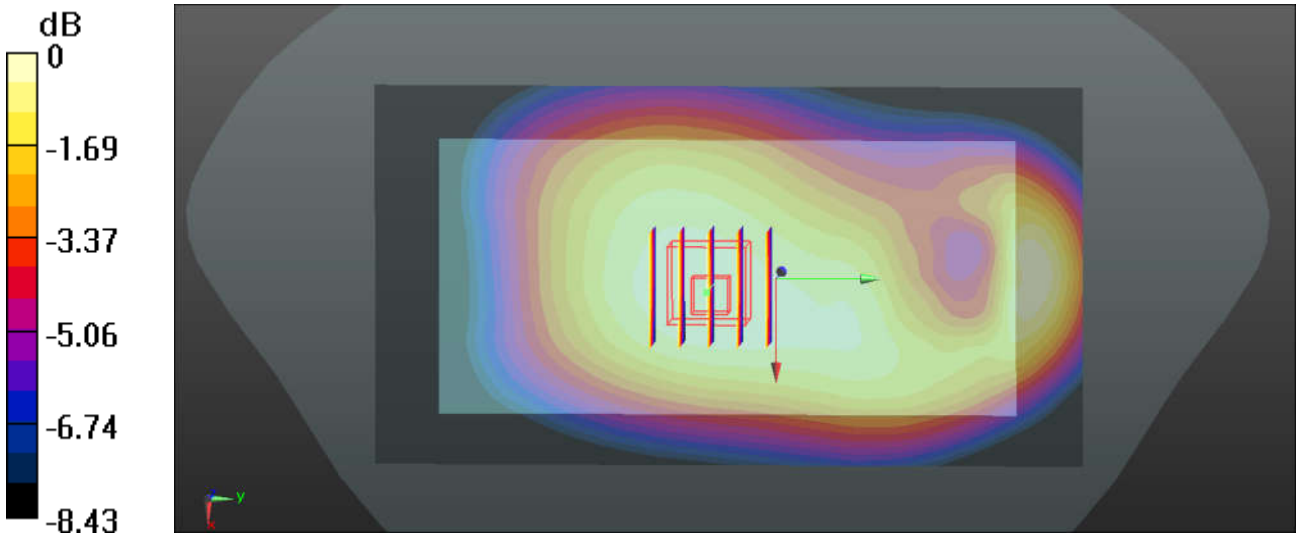
22_GSM850_GPRS(4 Tx slot)_Back_15mm_Ch189

Communication System: UID 0, GPRS/EDGE12 (0); Frequency: 836.4 MHz;Duty Cycle: 1:2.08
Medium: MSL_835_190505 Medium parameters used: f = 836.4 MHz; σ = 0.968 S/m; ε_r = 55.391; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(9.4, 9.4, 9.4); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch189/Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.274 W/kg

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.086 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.318 W/kg
SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.190 W/kg
Maximum value of SAR (measured) = 0.275 W/kg



0 dB = 0.275 W/kg

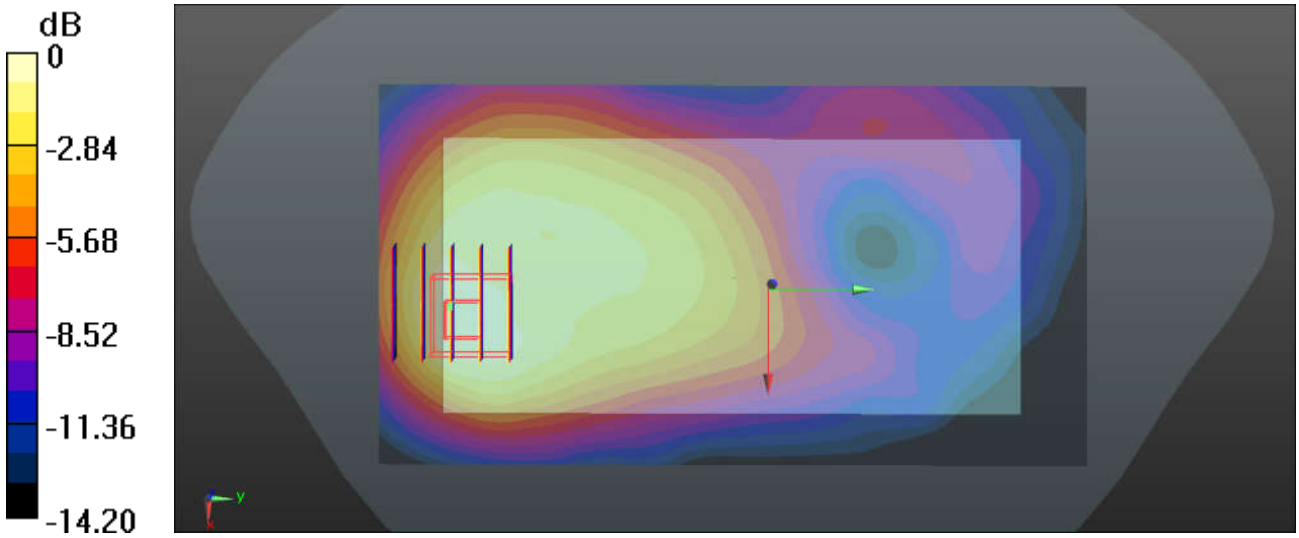
23_GSM1900_GPRS(4 Tx slot)_Back_15mm_Ch810

Communication System: UID 0, GPRS/EDGE12 (0); Frequency: 1909.8 MHz;Duty Cycle: 1:2.08
Medium: MSL_1900_190504 Medium parameters used: f = 1909.8 MHz; σ = 1.529 S/m; ε_r = 53.552; ρ= 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.66, 7.66, 7.66); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.107 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.597 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.133 W/kg
SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.048 W/kg
Maximum value of SAR (measured) = 0.105 W/kg



0 dB = 0.105 W/kg

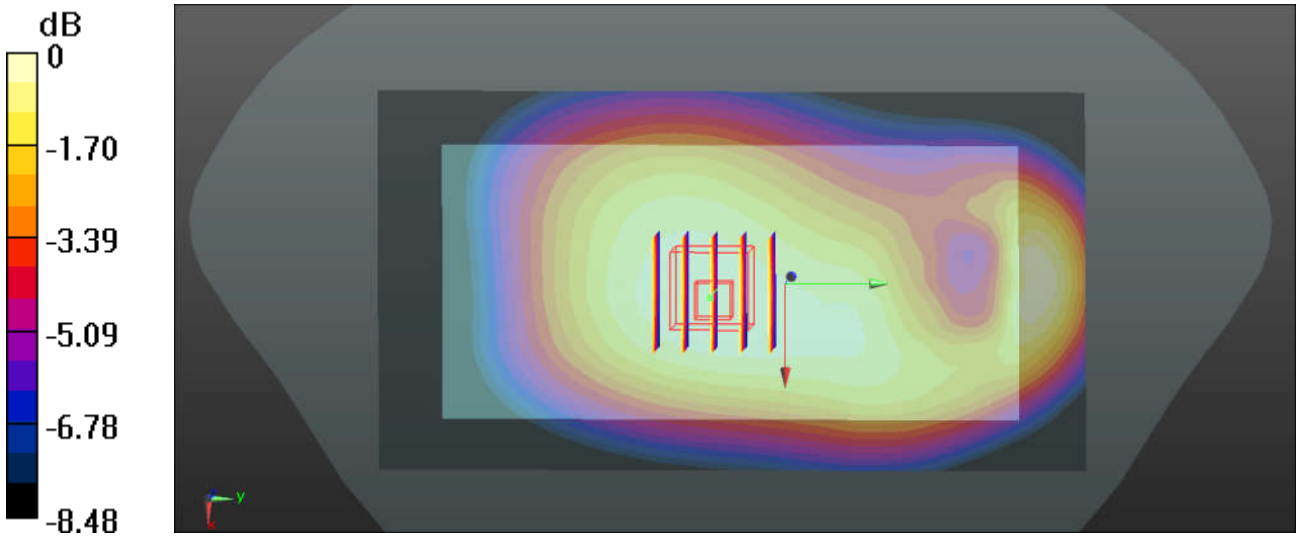
24_WCDMA V_RMC 12.2Kbps_Back_15mm_Ch4182

Communication System: UID 0, UMTS (0); Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: MSL_835_190505 Medium parameters used: f = 836.4 MHz; σ = 0.968 S/m; ε_r = 55.391; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(9.4, 9.4, 9.4); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4182/Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.331 W/kg

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.226 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.383 W/kg
SAR(1 g) = 0.299 W/kg; SAR(10 g) = 0.226 W/kg
Maximum value of SAR (measured) = 0.330 W/kg



0 dB = 0.330 W/kg

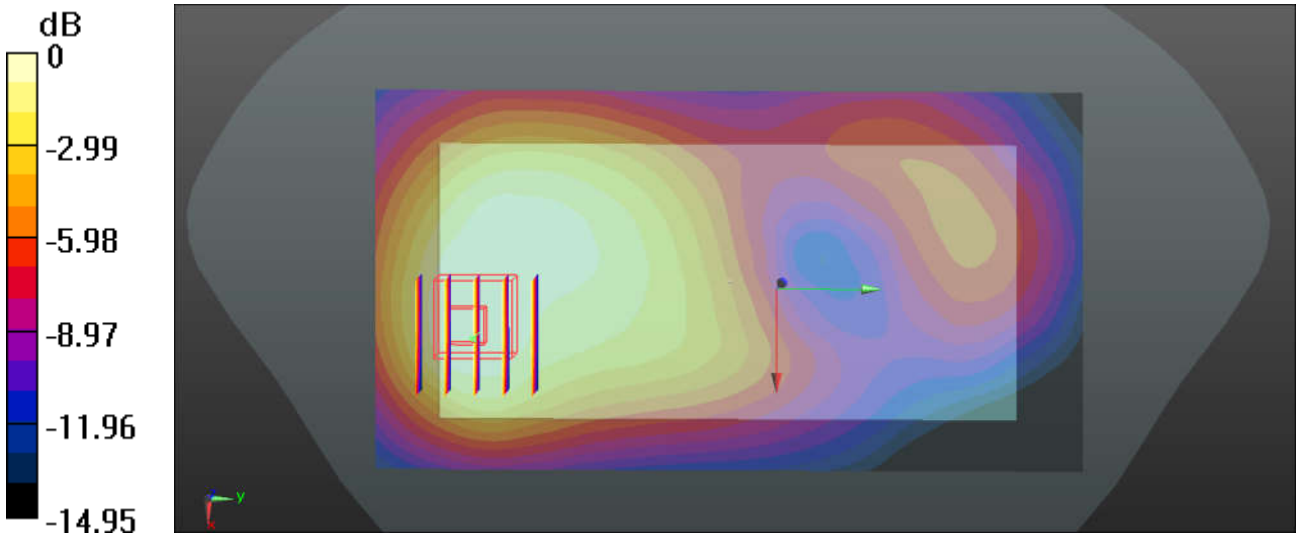
25_WCDMA IV_RMC 12.2Kbps_Back_15mm_Ch1413

Communication System: UID 0, UMTS (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: MSL_1750_190504 Medium parameters used: f = 1732.6 MHz; σ = 1.429 S/m; ε_r = 51.903; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8.06, 8.06, 8.06); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1413/Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.235 W/kg

Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.348 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.287 W/kg
SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.118 W/kg
Maximum value of SAR (measured) = 0.235 W/kg



0 dB = 0.235 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019.05.04

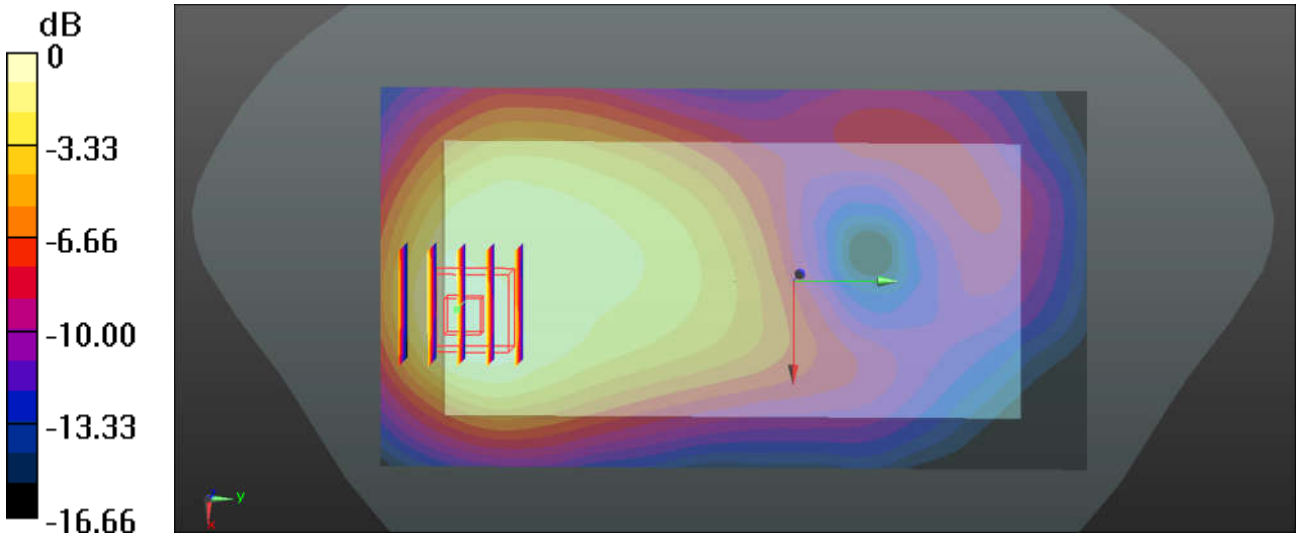
26_WCDMA II_RMC 12.2Kbps_Back_15mm_Ch9538

Communication System: UID 0, UMTS (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_190504 Medium parameters used: f = 1907.6 MHz; σ = 1.527 S/m; ε_r = 53.556; ρ= 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.66, 7.66, 7.66); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538/Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.303 W/kg

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.712 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.377 W/kg
SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.139 W/kg
Maximum value of SAR (measured) = 0.306 W/kg



0 dB = 0.306 W/kg

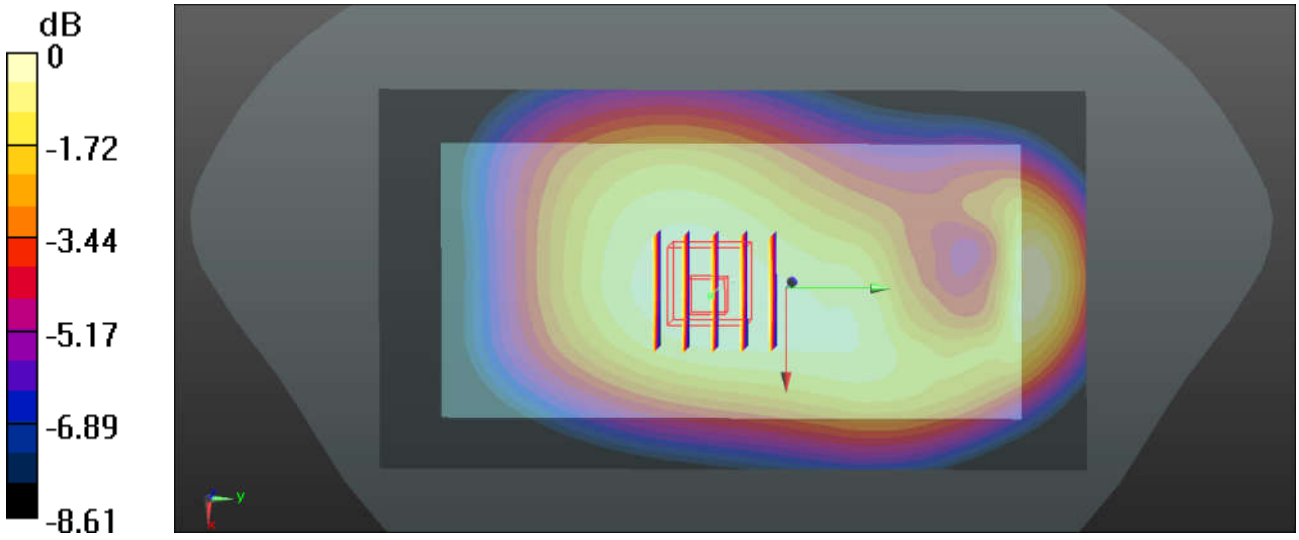
27_LTE Band 5_10M_QPSK_1RB_25Offset_Back_15mm_Ch20525

Communication System: UID 0, LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: MSL_835_190505 Medium parameters used: f = 836.5 MHz; σ = 0.968 S/m; ε_r = 55.391; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(9.4, 9.4, 9.4); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.327 W/kg

Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.382 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.379 W/kg
SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.223 W/kg
Maximum value of SAR (measured) = 0.326 W/kg



0 dB = 0.326 W/kg

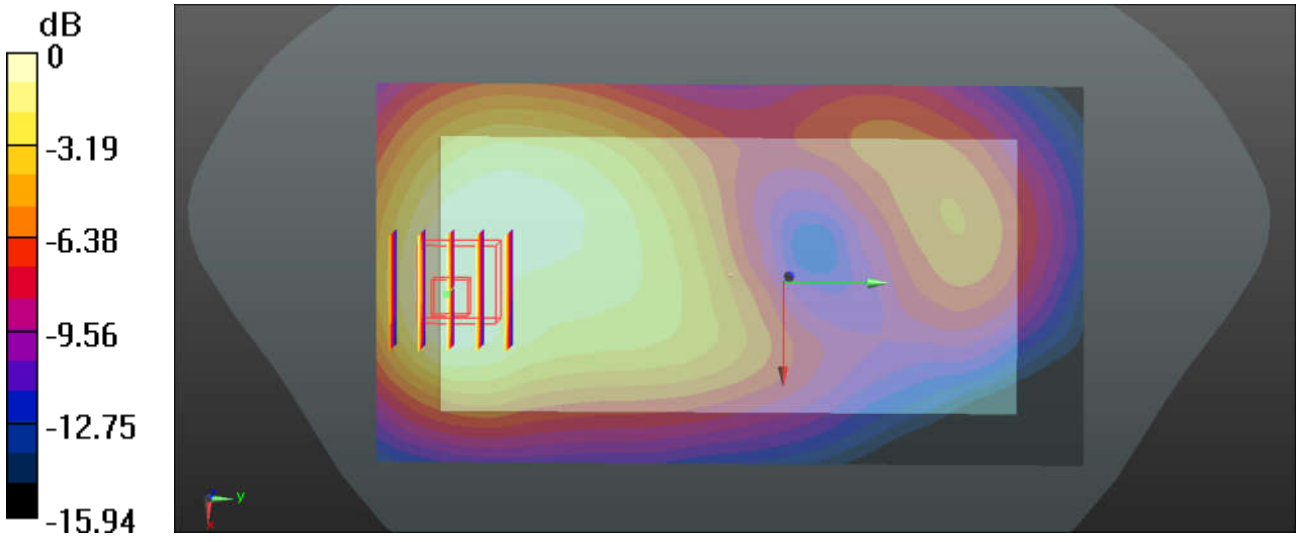
28_LTE Band 4_20M_QPSK_1RB_0Offset_Back_15mm_Ch20175

Communication System: UID 0, LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1750_190504 Medium parameters used: f = 1732.5 MHz; σ = 1.428 S/m; ε_r = 51.905; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(8.06, 8.06, 8.06); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (71x131x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.269 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.139 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.315 W/kg
SAR(1 g) = 0.203 W/kg; SAR(10 g) = 0.128 W/kg
Maximum value of SAR (measured) = 0.263 W/kg



0 dB = 0.263 W/kg

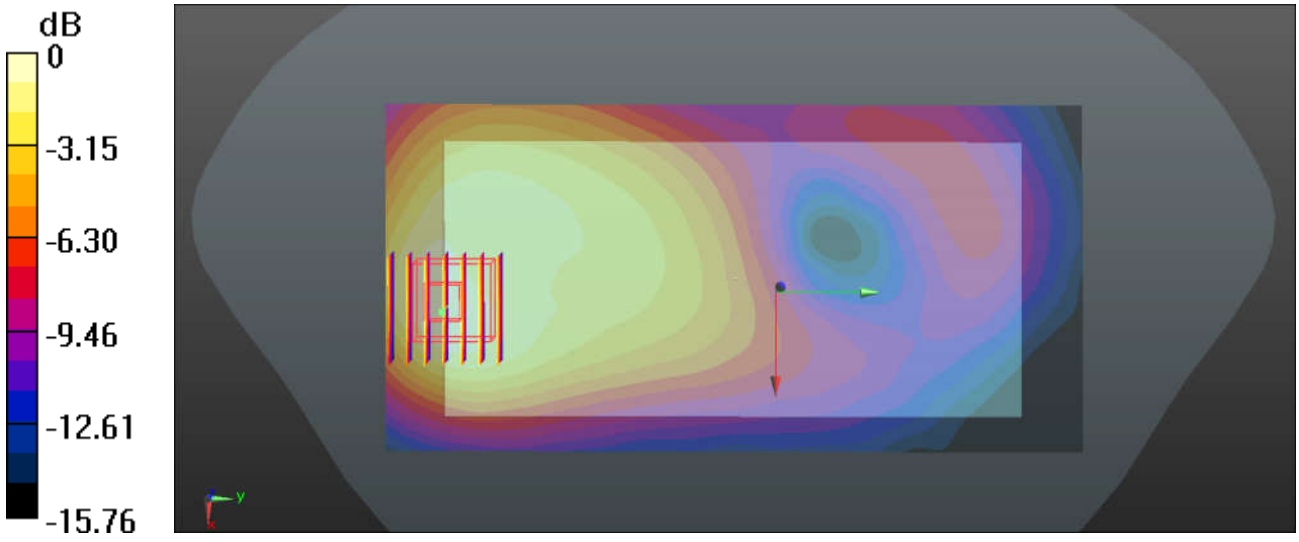
29_LTE Band 2_20M_QPSK_1RB_0Offset_Back_15mm_Ch18700

Communication System: UID 0, LTE (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: MSL_1900_190504 Medium parameters used: f = 1860 MHz; σ = 1.472 S/m; ε_r = 53.572; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.66, 7.66, 7.66); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18700/Area Scan (81x161x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.254 W/kg

Ch18700/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.973 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.294 W/kg
SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.122 W/kg
Maximum value of SAR (measured) = 0.248 W/kg



0 dB = 0.248 W/kg

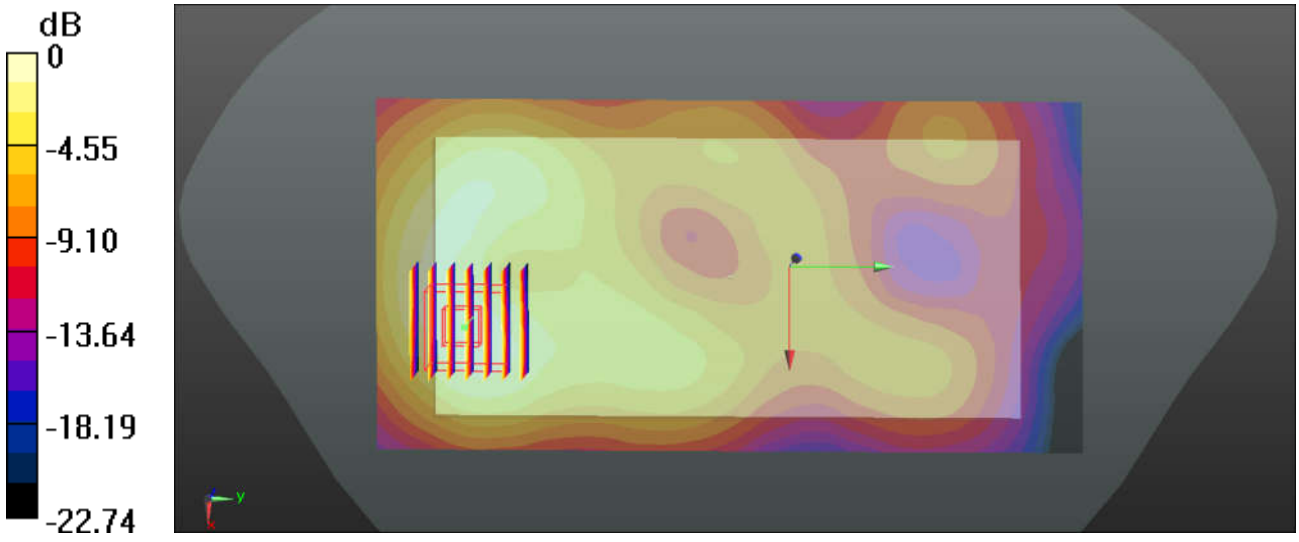
30_LTE Band 7_20M_QPSK_1RB_99Offset_Back_15mm_Ch21350

Communication System: UID 0, LTE (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium: MSL_2600_190503 Medium parameters used: f = 2560 MHz; σ = 2.132 S/m; ε_r = 51.063; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.04, 7.04, 7.04); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21350/Area Scan (81x161x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.370 W/kg

Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.464 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.575 W/kg
SAR(1 g) = 0.289 W/kg; SAR(10 g) = 0.148 W/kg
Maximum value of SAR (measured) = 0.365 W/kg



0 dB = 0.365 W/kg

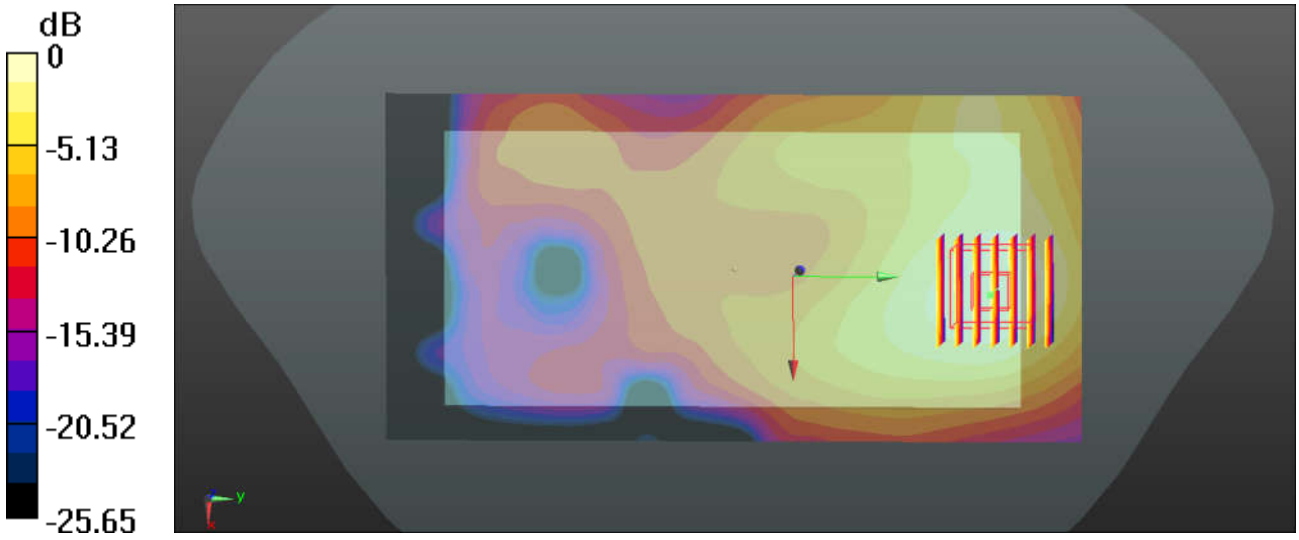
31_WLAN2.4GHz_802.11b 1Mbps_Back_15mm_Ch6

Communication System: UID 0, WIFI (0); Frequency: 2437 MHz;Duty Cycle: 1:1.003
Medium: MSL_2450_190506 Medium parameters used: f = 2437 MHz; σ = 1.974 S/m; ε_r = 52.402; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.32, 7.32, 7.32); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (81x161x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0807 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.689 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.119 W/kg
SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.036 W/kg
Maximum value of SAR (measured) = 0.0797 W/kg



0 dB = 0.0797 W/kg