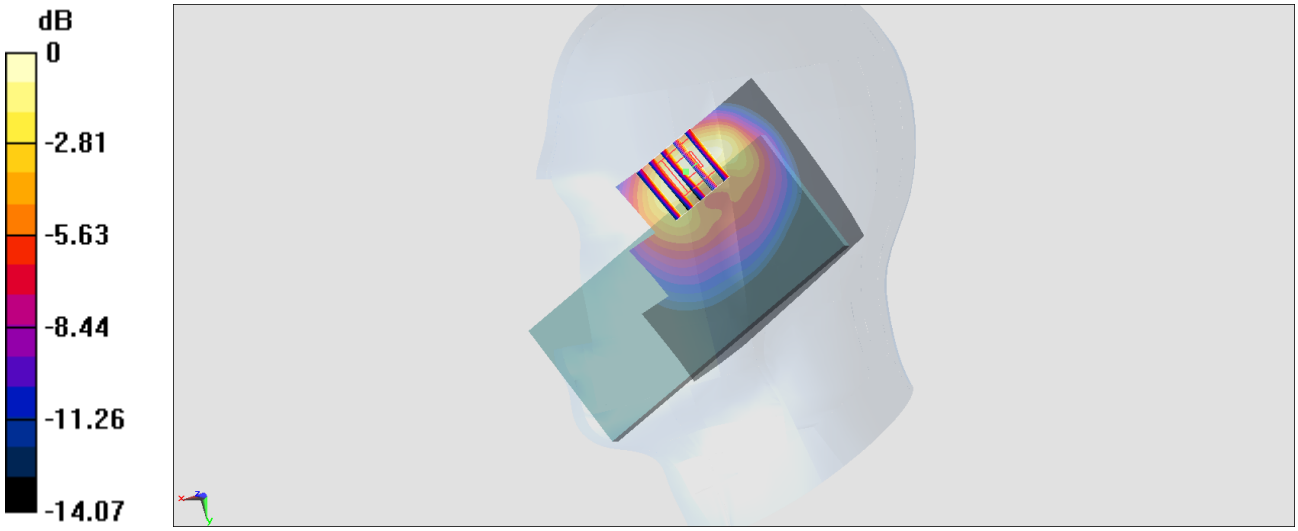
#01_GSM850_GPRS (3 Tx slots)_Right Cheek_Ch128

Communication System: GSM850; Frequency: 824.2 MHz;Duty Cycle: 1:2.77
Medium: HSL_850_200210 Medium parameters used : f = 824.2 MHz; σ = 0.864 S/m; ε_r = 43.076; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7346; ConvF(9.81, 9.81, 9.81) @ 824.2 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.49 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.9290 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 2.16 W/kg
SAR(1 g) = 0.915 W/kg; SAR(10 g) = 0.510 W/kg
Maximum value of SAR (measured) = 1.49 W/kg



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

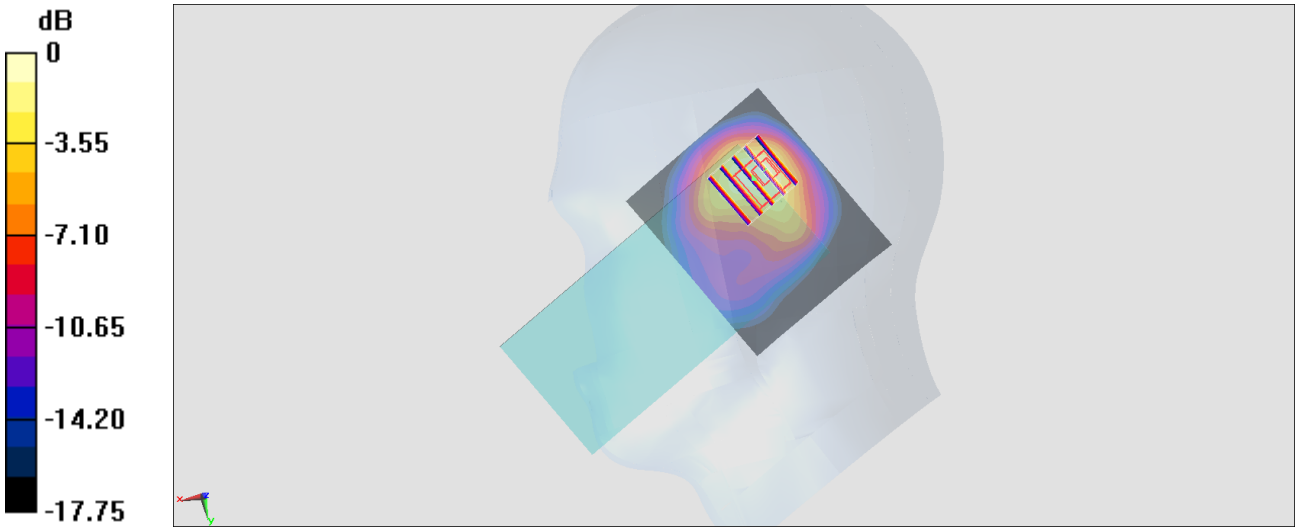
#02_GSM1900_GPRS (3 Tx slots)_Right Cheek_Ch512

Communication System: PCS; Frequency: 1850.2 MHz;Duty Cycle: 1:2.77
Medium: HSL_1900_200211 Medium parameters used : f = 1850.2 MHz; σ = 1.419 S/m; ε_r = 40.44; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7346; ConvF(8.07, 8.07, 8.07) @ 1850.2 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.09 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.43 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 0.735 W/kg; SAR(10 g) = 0.392 W/kg
Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.21 W/kg = 0.83 dBW/kg

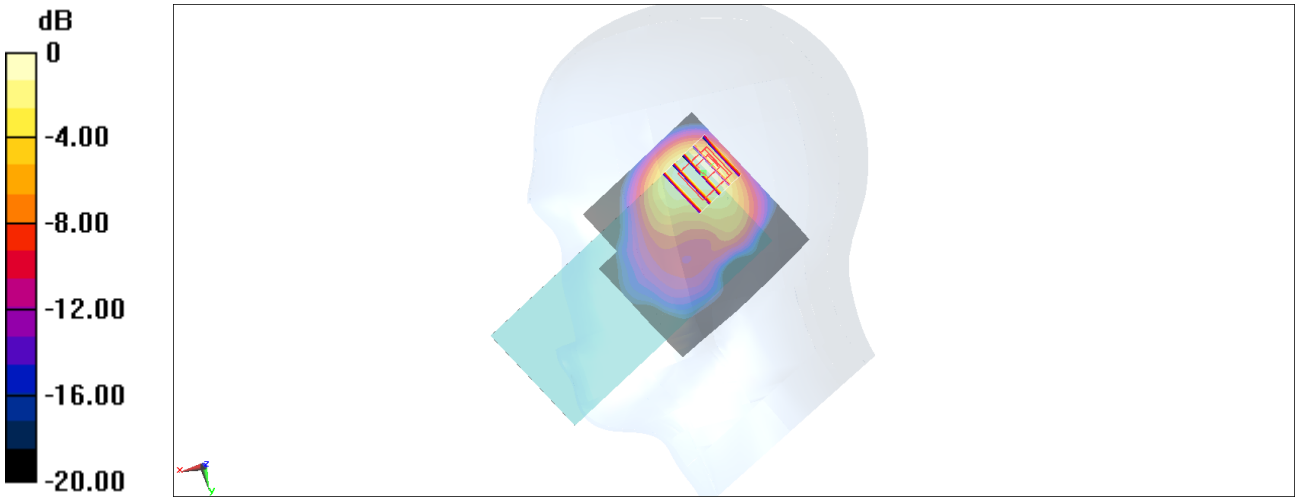
#03_WCDMA II_RMC 12.2Kbps_Right Cheek_Ch9262

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: HSL_1900_200202 Medium parameters used: f = 1852.4 MHz; σ = 1.408 S/m; ε_r = 40.352; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3184; ConvF(5.23, 5.23, 5.23) @ 1852.4 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2019/4/30
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x71x1): 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 = 20.30 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.804 W/kg; SAR(10 g) = 0.431 W/kg
Maximum value of SAR (measured) = 0.999 W/kg



0 dB = 0.999 W/kg = -0.00 dBW/kg

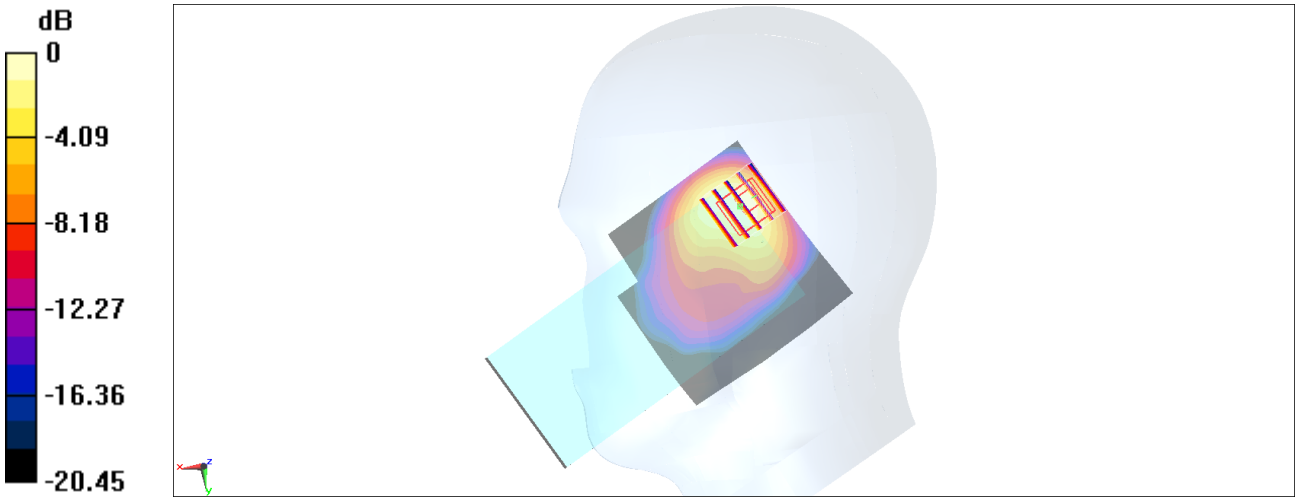
#04_WCDMA IV_RMC 12.2Kbps_Right Cheek_Ch1513

Communication System: WCDMA; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: HSL_1750_200203 Medium parameters used: f = 1753 MHz; σ = 1.354 S/m; ε_r = 39.077; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3184; ConvF(5.45, 5.45, 5.45) @ 1752.6 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2019/4/30
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.22 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.47 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.776 W/kg; SAR(10 g) = 0.421 W/kg
Maximum value of SAR (measured) = 1.00 W/kg



0 dB = 1.00 W/kg = 0.00 dBW/kg

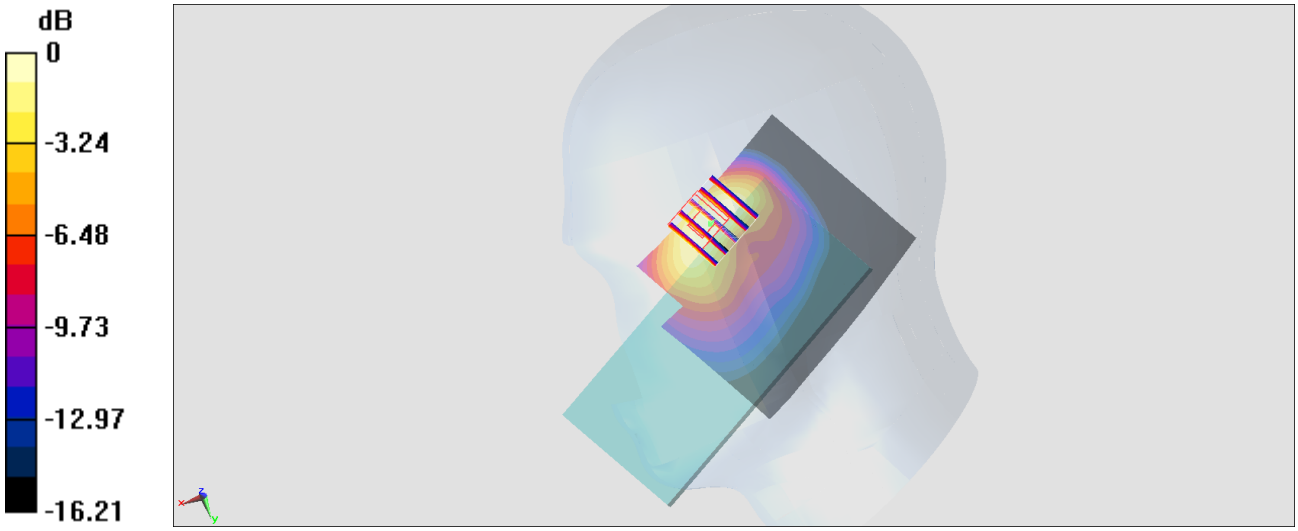
#05_WCDMA V_RMC 12.2Kbps_Right Cheek_Ch4182

Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL_850_200120 Medium parameters used: f = 836.4 MHz; σ = 0.873 S/m; ε_r = 41.881; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7346; ConvF(9.81, 9.81, 9.81) @ 836.4 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x81x1): 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 = 0.9810 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.83 W/kg
SAR(1 g) = 0.828 W/kg; SAR(10 g) = 0.439 W/kg
Maximum value of SAR (measured) = 1.38 W/kg



0 dB = 1.38 W/kg = 1.40 dBW/kg

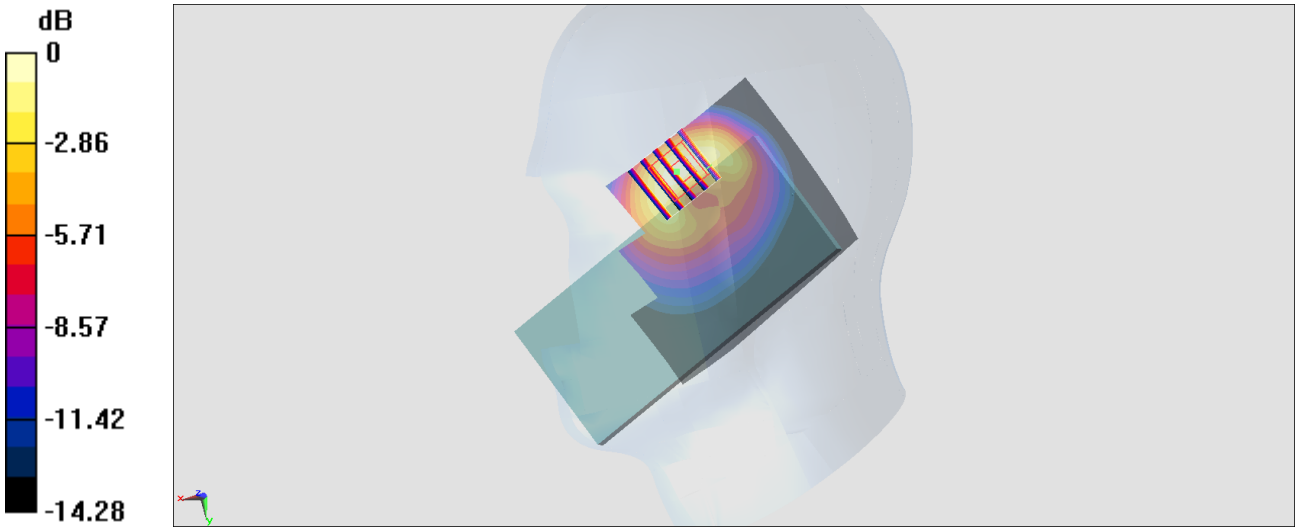
#06_LTE Band 5_10M_QPSK_1_0_Right Cheek_Ch20525

Communication System: LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL_850_200210 Medium parameters used : f = 836.5 MHz; σ = 0.874 S/m; ε_r = 42.935; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7346; ConvF(9.81, 9.81, 9.81) @ 836.5 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.914 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.108 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 0.562 W/kg; SAR(10 g) = 0.314 W/kg
Maximum value of SAR (measured) = 0.941 W/kg



0 dB = 0.941 W/kg = -0.26 dBW/kg

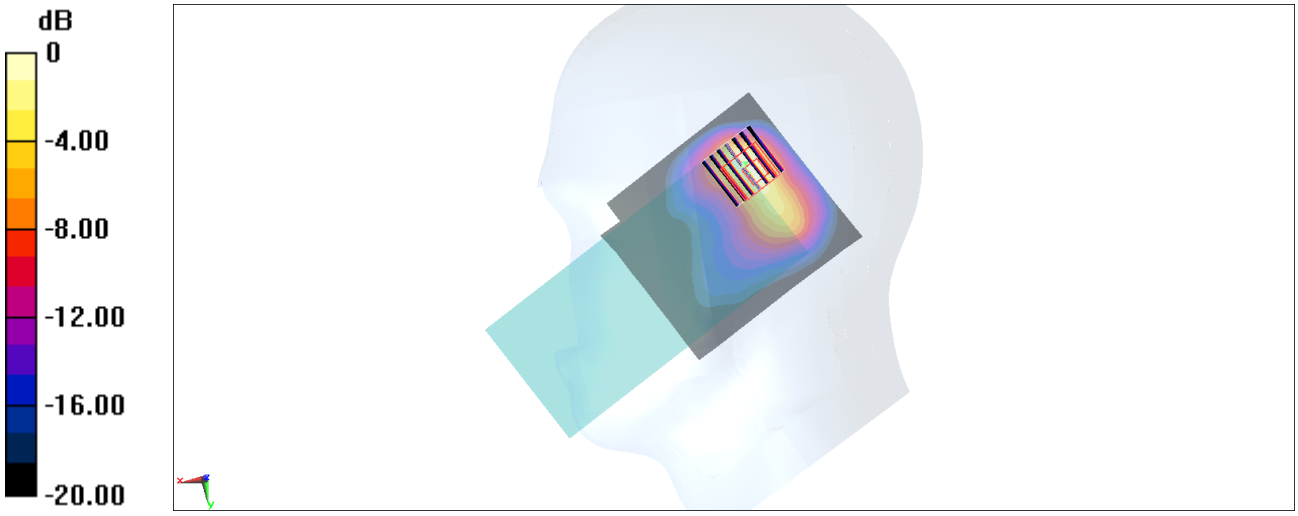
#07_LTE Band 7_20M_QPSK_100_0_Right Tilted_Ch21350

Communication System: LTE; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium: HSL_2600_200203 Medium parameters used: f = 2560 MHz; σ = 1.936 S/m; ε_r = 38.747; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3642; ConvF(7.14, 7.14, 7.14) @ 2560 MHz; Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2019/5/21
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1682
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (81x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.89 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 22.93 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 2.20 W/kg
SAR(1 g) = 0.857 W/kg; SAR(10 g) = 0.330 W/kg
Maximum value of SAR (measured) = 1.53 W/kg



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

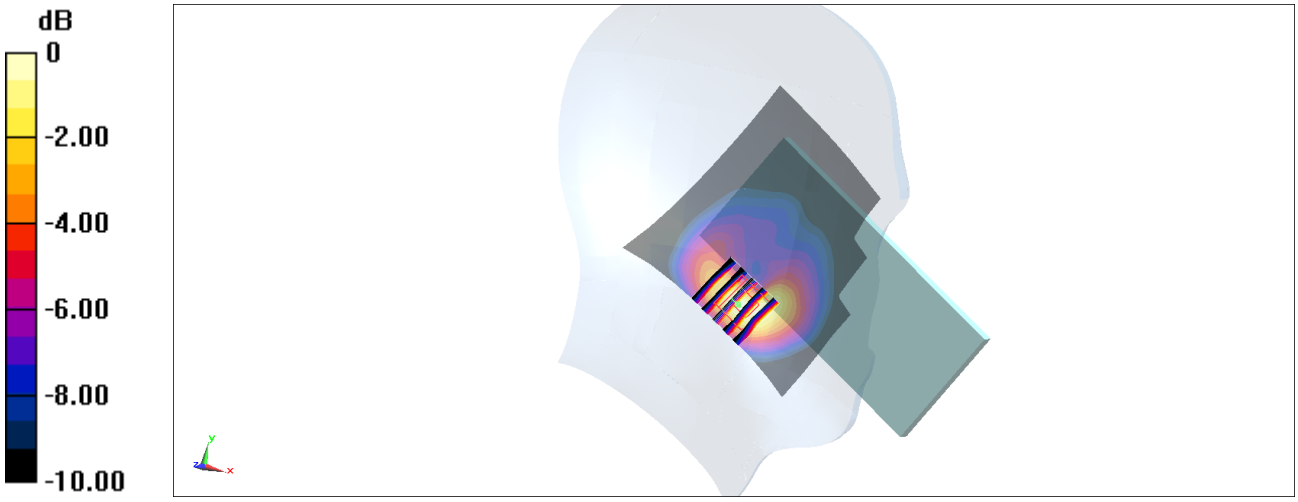
#08_LTE Band 12_10M_QPSK_1_0_Left Cheek_Ch23095

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: HSL_750_200122 Medium parameters used : f = 707.5 MHz; σ = 0.903 S/m; ε_r = 42.059; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3184; ConvF(6.61, 6.61, 6.61) @ 707.5 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2019/4/30
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1683
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.347 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.77 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.552 W/kg
SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.182 W/kg
Maximum value of SAR (measured) = 0.376 W/kg



0 dB = 0.376 W/kg = -4.25 dBW/kg

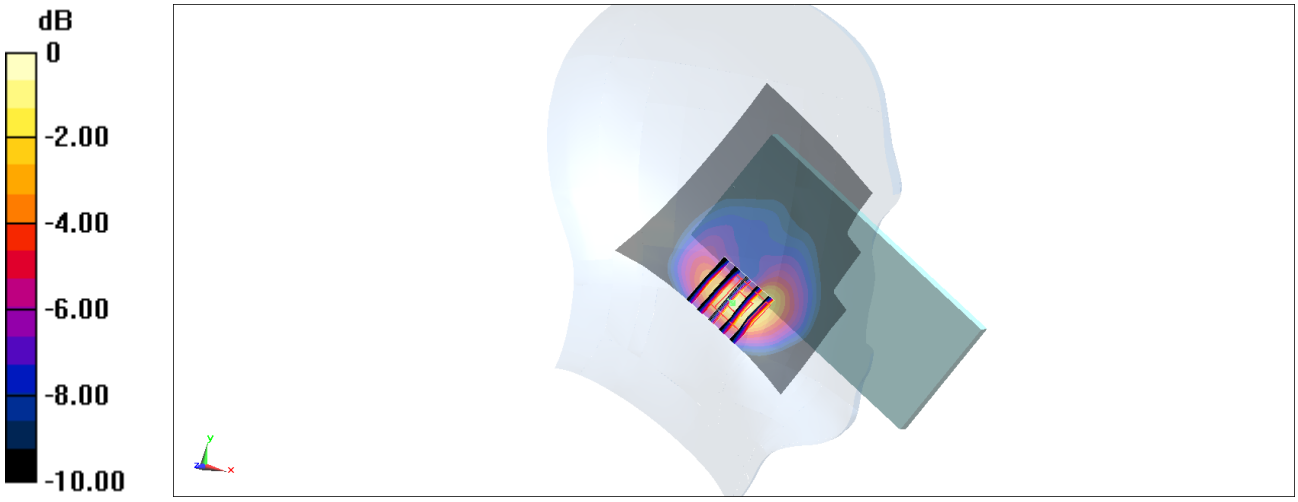
#09_LTE Band 13_10M_QPSK_25_25_Left Cheek_Ch23230

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: HSL_750_200122 Medium parameters used: f = 782 MHz; σ = 0.928 S/m; ε_r = 41.795; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3184; ConvF(6.61, 6.61, 6.61) @ 782 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2019/4/30
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1683
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.918 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.70 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 0.947 W/kg; SAR(10 g) = 0.533 W/kg
Maximum value of SAR (measured) = 1.14 W/kg



0 dB = 1.14 W/kg = 0.57 dBW/kg

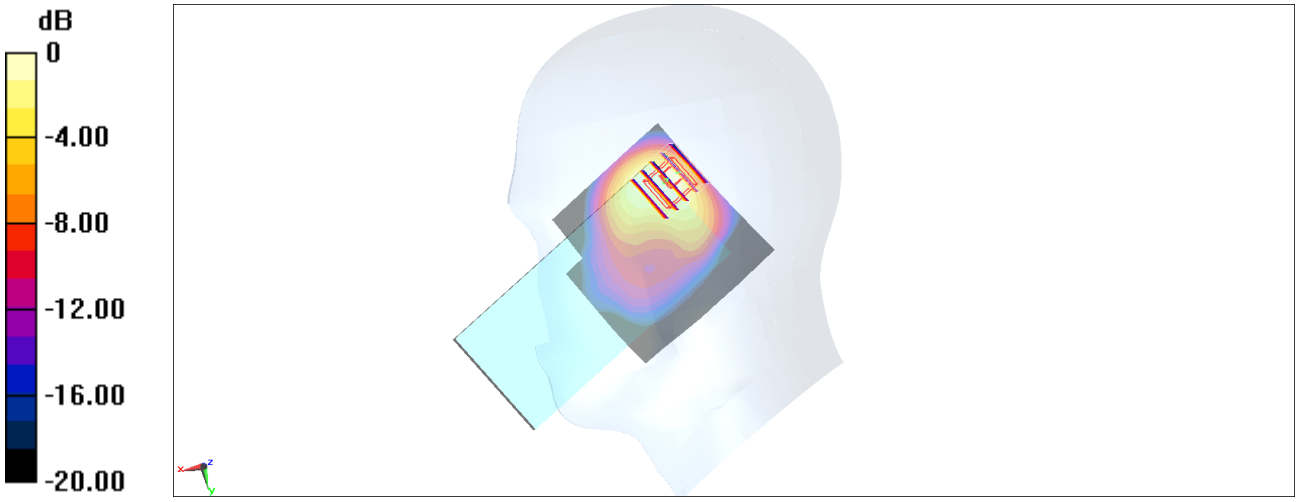
#11_LTE Band 25_20M_QPSK_50_50_Right Cheek_Ch26340

Communication System: LTE; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900_200202 Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.355; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3184; ConvF(5.23, 5.23, 5.23) @ 1880 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2019/4/30
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.24 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.77 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.783 W/kg; SAR(10 g) = 0.420 W/kg
Maximum value of SAR (measured) = 0.993 W/kg



0 dB = 0.993 W/kg = -0.03 dBW/kg

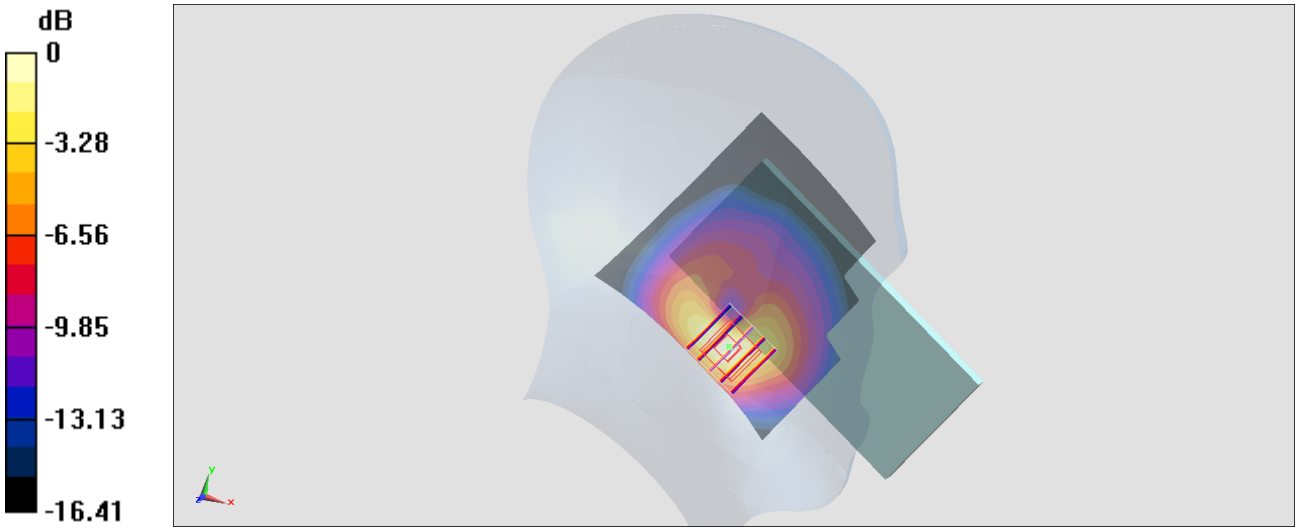
#12_LTE Band 26_15M_QPSK_1_0_Left Cheek_Ch26865

Communication System: LTE; Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium: HSL_850_200120 Medium parameters used: f = 831.5 MHz; σ = 0.868 S/m; ε_r = 41.944; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7346; ConvF(9.81, 9.81, 9.81) @ 831.5 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.924 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.51 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.627 W/kg; SAR(10 g) = 0.339 W/kg
Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg = 0.09 dBW/kg

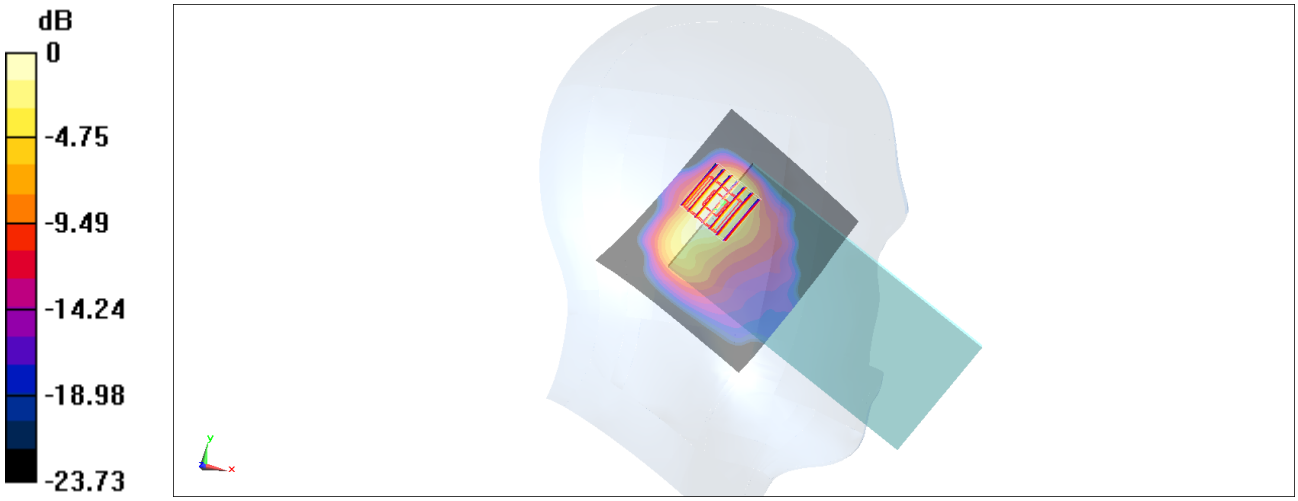
#13_LTE Band 30_10M_QPSK_50_0_Left Tilted_Ch27710

Communication System: LTE ; Frequency: 2310 MHz;Duty Cycle: 1:1
Medium: HSL_2300_200125 Medium parameters used: f = 2310 MHz; σ = 1.705 S/m; ε_r = 39.622; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3184; ConvF(4.96, 4.96, 4.96) @ 2310 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2019/4/30
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (91x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.17 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 23.37 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.870 W/kg; SAR(10 g) = 0.440 W/kg
Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg = 0.17 dBW/kg

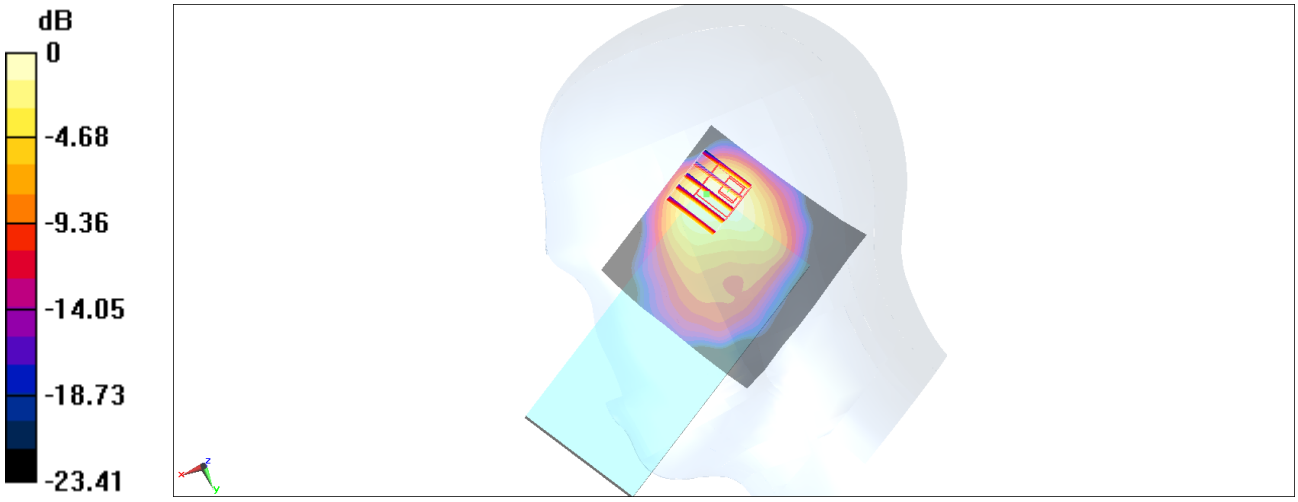
#14_LTE Band 66_20M_QPSK_50_24_Right Cheek_Ch132072

Communication System: LTE; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: HSL_1750_200124 Medium parameters used: f = 1720 MHz; σ = 1.362 S/m; ε_r = 39.234; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3184; ConvF(5.45, 5.45, 5.45) @ 1720 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2019/4/30
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.12 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.55 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.872 W/kg; SAR(10 g) = 0.468 W/kg
Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.06 W/kg = 0.25 dBW/kg

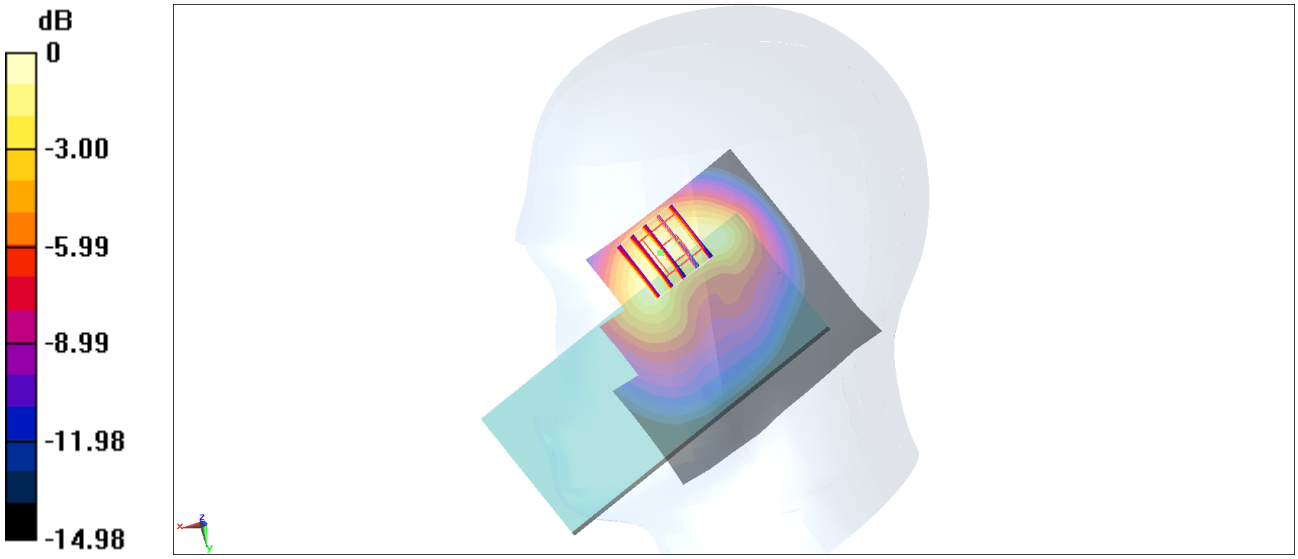
#15_LTE Band 71_20M_QPSK_1_0_Right Cheek_Ch133322

Communication System: LTE; Frequency: 683 MHz;Duty Cycle: 1:1
Medium: HSL_750_200122 Medium parameters used: f = 683 MHz; σ = 0.893 S/m; ε_r = 42.159; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3184; ConvF(6.61, 6.61, 6.61) @ 683 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2019/4/30
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1683
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.212 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.55 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.414 W/kg
SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.120 W/kg
Maximum value of SAR (measured) = 0.249 W/kg



0 dB = 0.249 W/kg = -6.04 dBW/kg

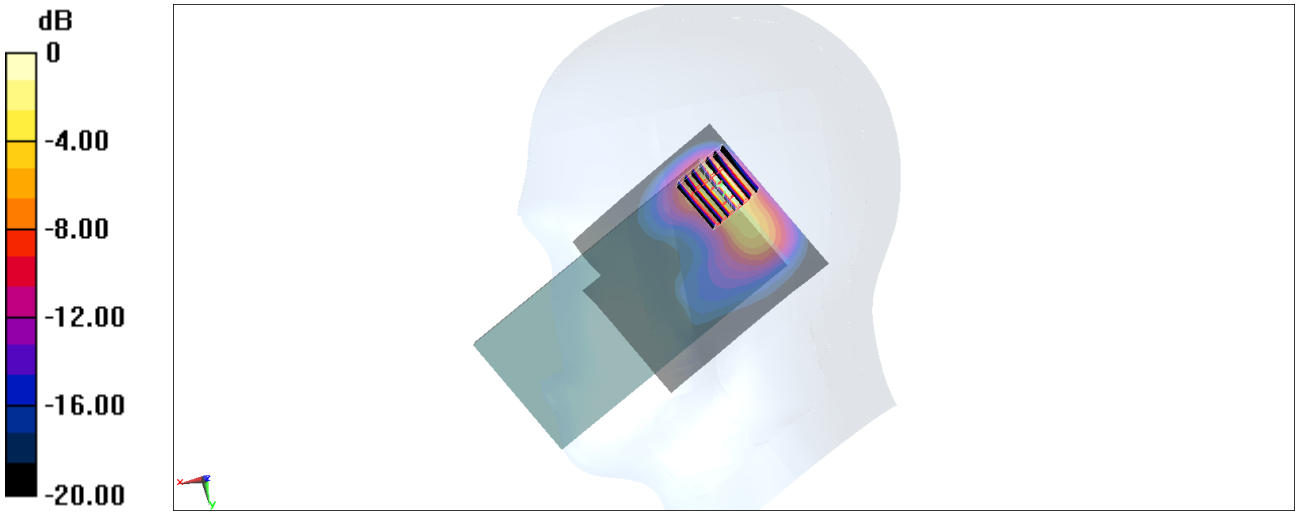
#16_LTE Band 41_20M_QPSK_50_24_Right Tilted_Ch41490

Communication System: LTE; Frequency: 2680 MHz;Duty Cycle: 1:1.59
Medium: HSL_2600_200203 Medium parameters used: f = 2680 MHz; σ = 2.074 S/m; ε_r = 38.422; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3642; ConvF(7.14, 7.14, 7.14) @ 2680 MHz; Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2019/5/21
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1682
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (81x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.41 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.895 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 2.06 W/kg
SAR(1 g) = 0.763 W/kg; SAR(10 g) = 0.291 W/kg
Maximum value of SAR (measured) = 1.55 W/kg



0 dB = 1.55 W/kg = 1.90 dBW/kg

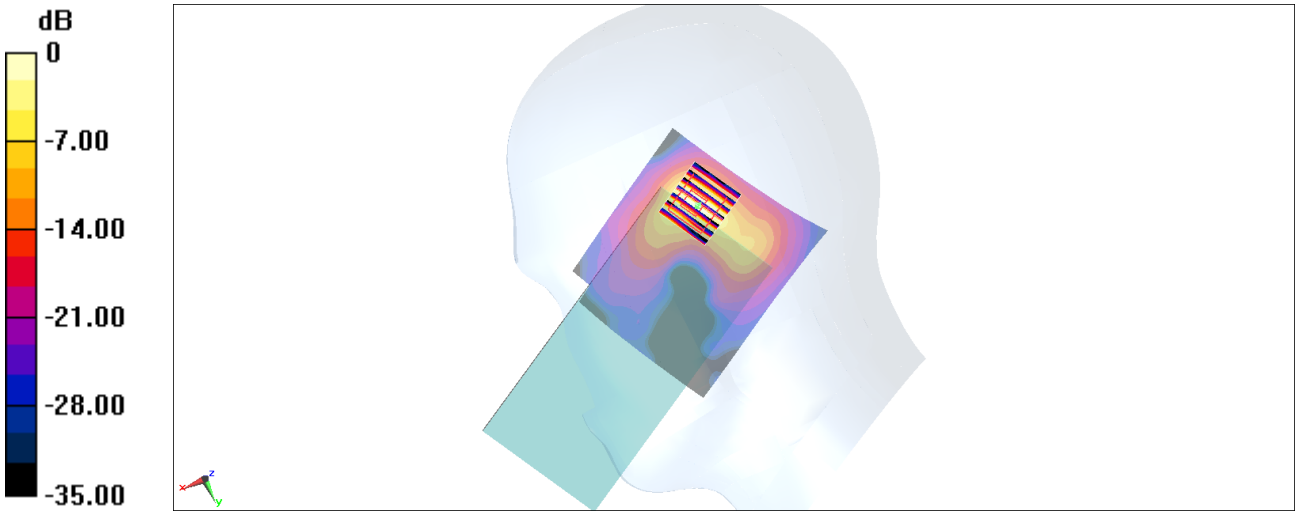
#17_LTE Band 48_20M_QPSK_1_0_Right Tilted_Ch56640

Communication System: LTE; Frequency: 3690 MHz;Duty Cycle: 1:1.59
Medium: HSL_3700_200204 Medium parameters used: f = 3690 MHz; σ = 3.113 S/m; ε_r = 38.757; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3642; ConvF(6.46, 6.46, 6.46) @ 3690 MHz; Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2019/5/21
- Phantom: SAM_Right; Type: SAM; Serial: TP:1681
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (81x91x1): 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=1.4mm
Reference Value = 7.856 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 3.40 W/kg
SAR(1 g) = 0.989 W/kg; SAR(10 g) = 0.302 W/kg
Maximum value of SAR (measured) = 2.23 W/kg



0 dB = 2.23 W/kg = 3.48 dBW/kg

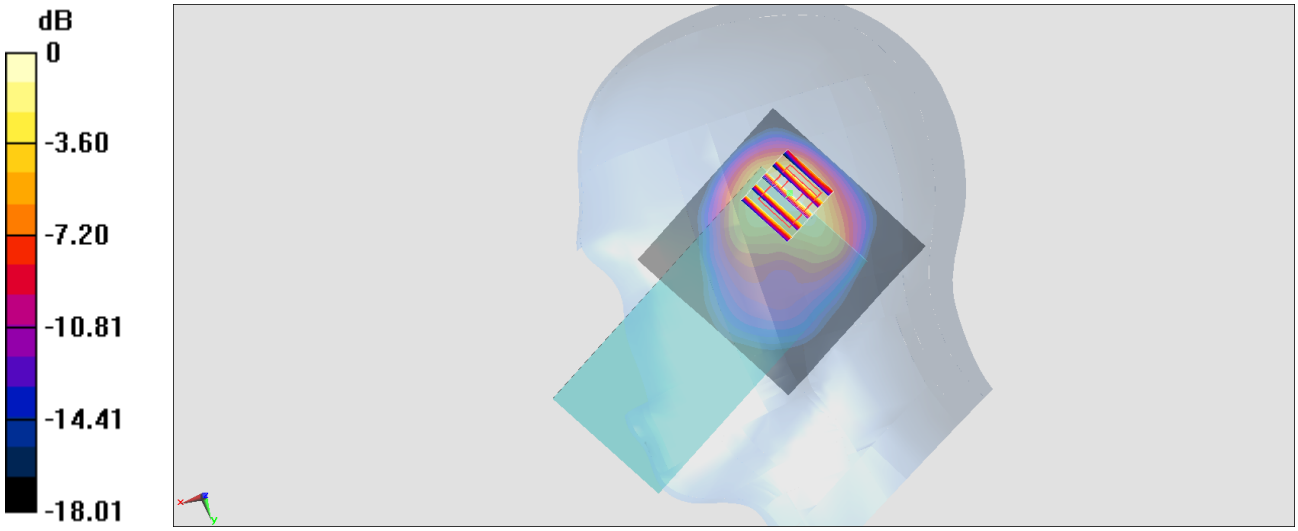
#18_LTE N2_20M_QPSK_1_1_Right Cheek_Ch372000

Communication System: NR; Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: HSL_1900_200219 Medium parameters used: f = 1860 MHz; σ = 1.421 S/m; ε_r = 40.419; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7346; ConvF(8.07, 8.07, 8.07) @ 1860 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.939 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.29 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.794 W/kg; SAR(10 g) = 0.377 W/kg
Maximum value of SAR (measured) = 0.982 W/kg



0 dB = 0.982 W/kg = -0.08 dBW/kg

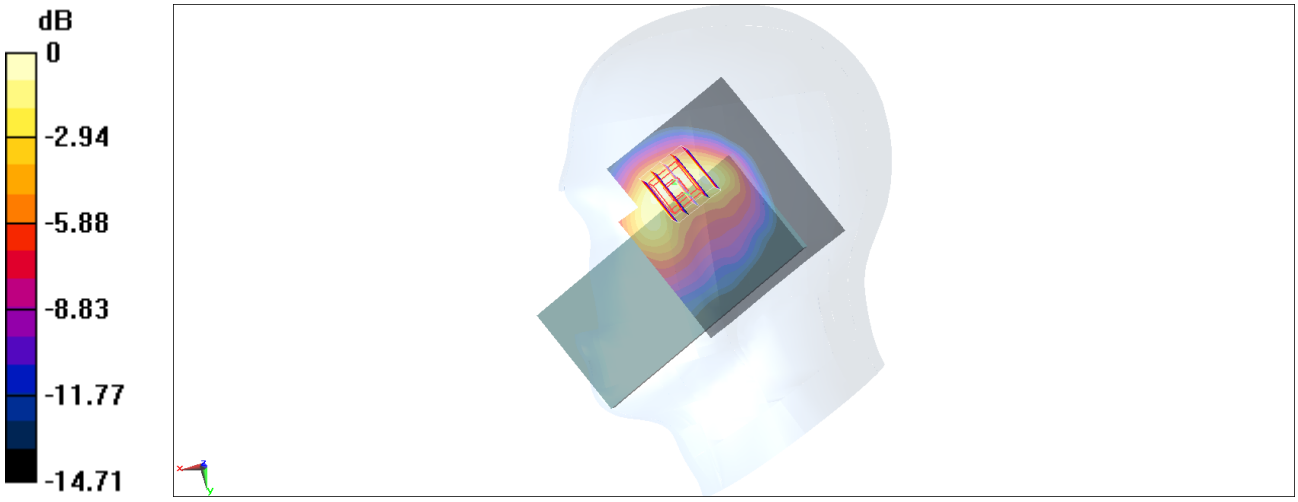
#19_LTE N5_20M_QPSK_50_28_Right Cheek_Ch167300

Communication System: NR; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL_850_200218 Medium parameters used : f = 836.5 MHz; σ = 0.911 S/m; ε_r = 41.738; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3184; ConvF(6.41, 6.41, 6.41) @ 836.5 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2019/4/30
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1683
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (81x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.676 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.30 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.656 W/kg; SAR(10 g) = 0.361 W/kg
Maximum value of SAR (measured) = 0.734 W/kg



0 dB = 0.734 W/kg = -1.34 dBW/kg

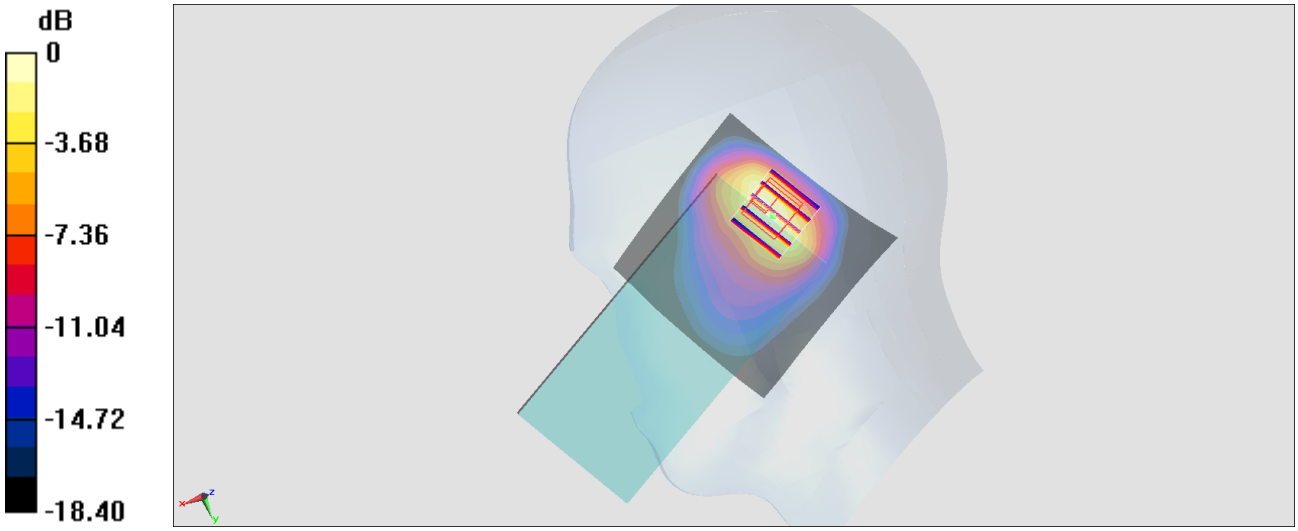
#20_LTE N66_20M_QPSK_50_0_Right Tilted_Ch354000

Communication System: NR; Frequency: 1770 MHz;Duty Cycle: 1:1
Medium: HSL_1750_200220 Medium parameters used: f = 1770 MHz; σ = 1.386 S/m; ε_r = 41.217; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7346; ConvF(8.5, 8.5, 8.5) @ 1770 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.991 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.67 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.61 W/kg
SAR(1 g) = 0.791 W/kg; SAR(10 g) = 0.405 W/kg
Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg = 1.04 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2020.2.22

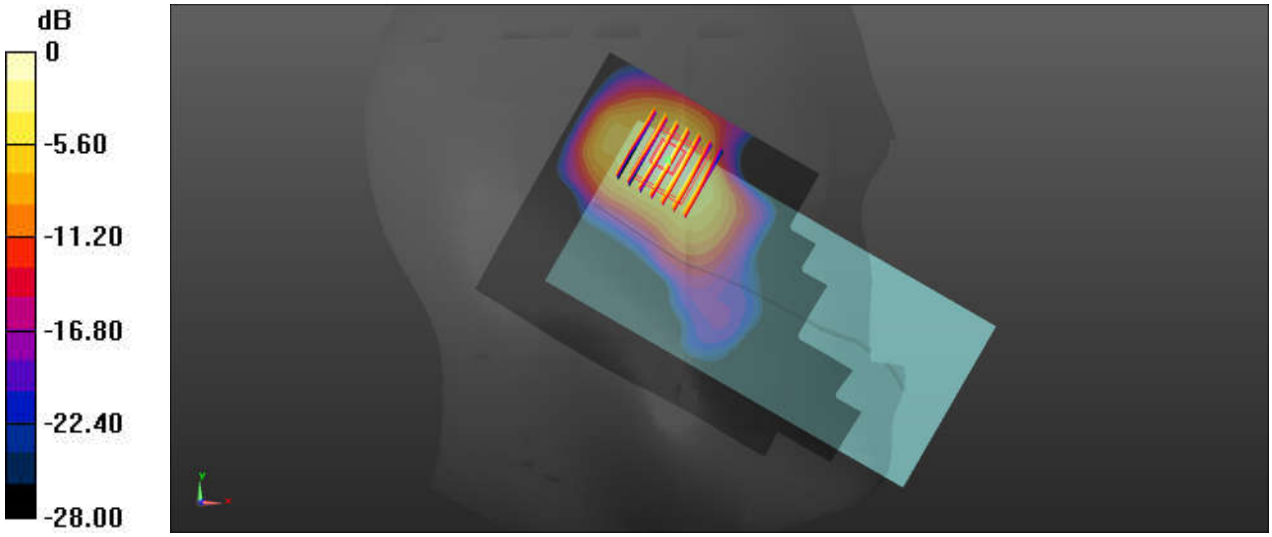
#21_WLAN2.4GHz_802.11b 1MBps_Left Cheek_0mm_Ch1

Communication System: UID 0, 802.11b (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: HSL_2450 Medium parameters used: f = 2412 MHz; σ = 1.752 S/m; ε_r = 41.035; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.5, 7.5, 7.5); Calibrated: 2019.5.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2019.7.23
- Phantom: SAM1; Type: SAM; Serial: 1697
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mmMaximum value of SAR (interpolated) = 1.40 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.426 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.94 W/kg
SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.500 W/kg
Maximum value of SAR (measured) = 1.32 W/kg



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

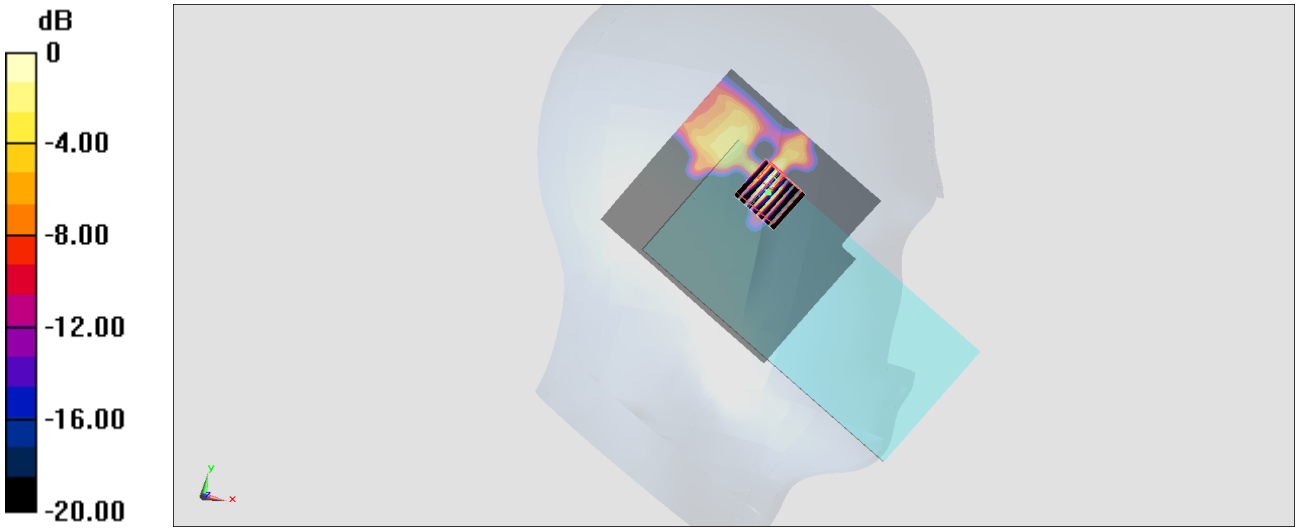
#22_WLAN5GHz_802.11n-HT40 MCS0_Left Cheek_Ch54

Communication System: 802.11n; Frequency: 5270 MHz;Duty Cycle: 1:1
Medium: HSL_5G_200221 Medium parameters used: f = 5270 MHz; σ = 4.602 S/m; ε_r = 37.022; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7346; ConvF(5.36, 5.36, 5.36) @ 5270 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (101x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.422 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 4.066 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.510 W/kg
SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.034 W/kg
Maximum value of SAR (measured) = 0.357 W/kg



0 dB = 0.357 W/kg = -4.47 dBW/kg

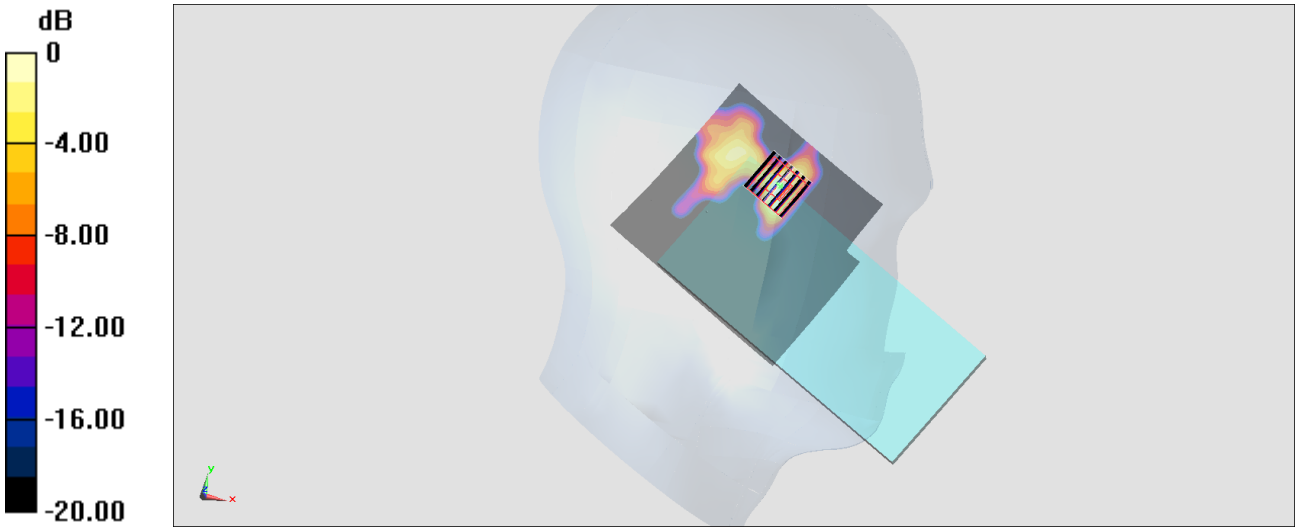
#23_WLAN5GHz_802.11n-HT40 MCS0_Left Cheek_Ch110

Communication System: 802.11n; Frequency: 5550 MHz;Duty Cycle: 1:1
Medium: HSL_5G_200221 Medium parameters used: f = 5550 MHz; σ = 4.885 S/m; ε_r = 36.632; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7346; ConvF(4.75, 4.75, 4.75) @ 5550 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (101x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.487 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 3.609 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.668 W/kg
SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.049 W/kg
Maximum value of SAR (measured) = 0.455 W/kg



0 dB = 0.455 W/kg = -3.42 dBW/kg

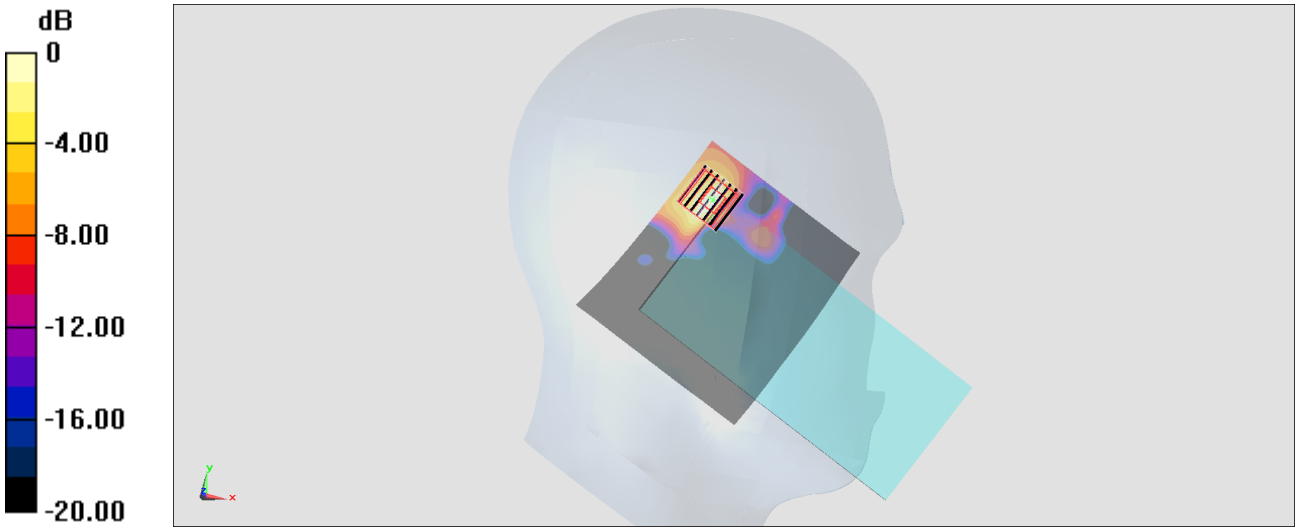
#24_WLAN5GHz_802.11n-HT40 MCS0_Left Tilted_Ch151

Communication System: 802.11n; Frequency: 5755 MHz;Duty Cycle: 1:1
Medium: HSL_5G_200221 Medium parameters used: f = 5755 MHz; σ = 5.111 S/m; ε_r = 36.357; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7346; ConvF(4.78, 4.78, 4.78) @ 5755 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (111x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.391 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 5.238 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.140 W/kg; SAR(10 g) = 0.041 W/kg
Maximum value of SAR (measured) = 0.381 W/kg



0 dB = 0.381 W/kg = -4.19 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2020.2.20

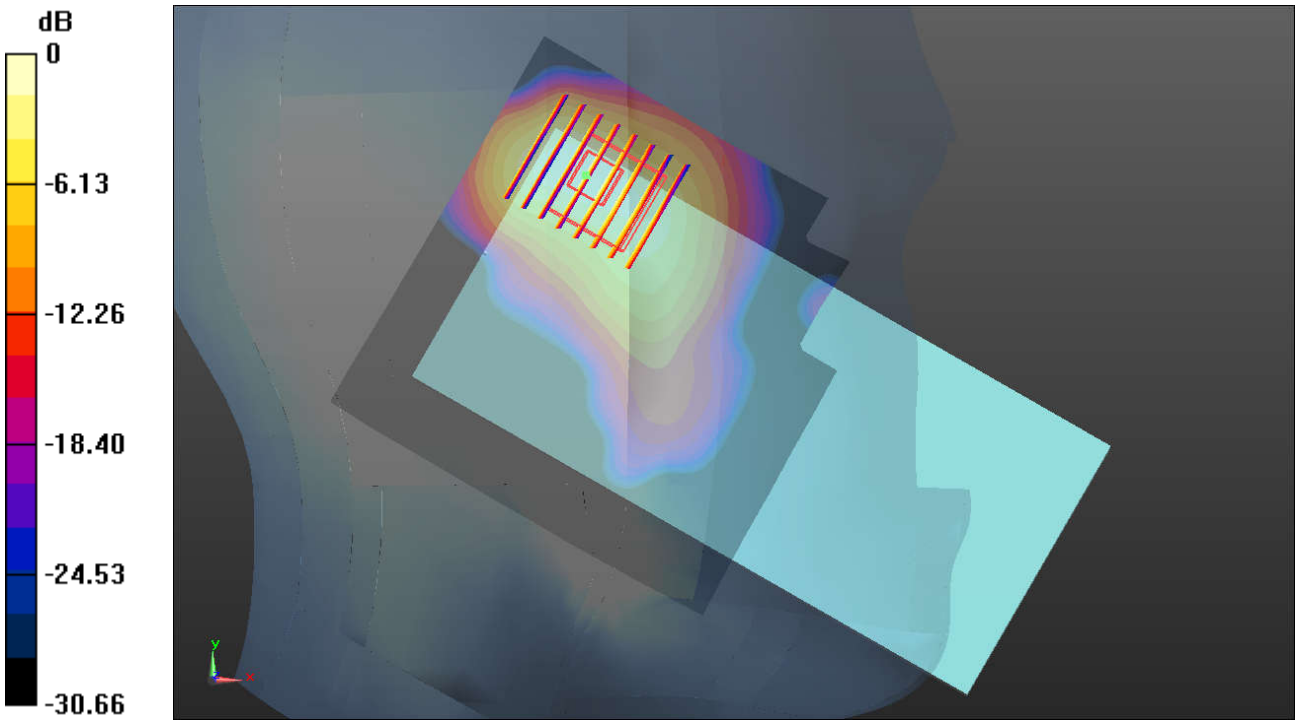
#25_ Bluetooth_1MBps_Left Cheek_0mm_Ch39

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1.303
Medium: HSL_2450 Medium parameters used: f = 2441 MHz; σ = 1.785 S/m; ε_r = 40.907; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3293; ConvF(4.6, 4.6, 4.6); Calibrated: 2019.11.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2019.11.20
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (91x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.200 W/kg

Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.583 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.322 W/kg
SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.069 W/kg
Maximum value of SAR (measured) = 0.209 W/kg



0 dB = 0.209 W/kg = -6.80 dBW/kg

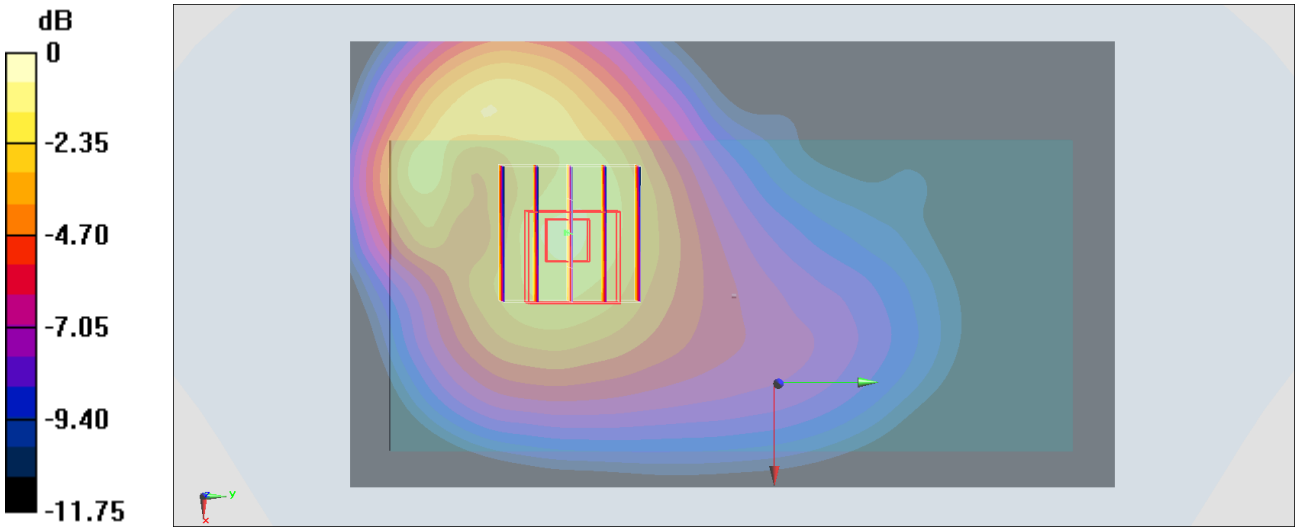
#26_GSM850_GPRS (3 Tx slots)_Back_10mm_Ch251

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:2.77
Medium: HSL_850_200210 Medium parameters used: f = 849 MHz; σ = 0.885 S/m; ε_r = 42.782; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7346; ConvF(9.81, 9.81, 9.81) @ 848.8 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.578 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.282 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.930 W/kg
SAR(1 g) = 0.602 W/kg; SAR(10 g) = 0.409 W/kg
Maximum value of SAR (measured) = 0.798 W/kg



0 dB = 0.798 W/kg = -0.98 dBW/kg

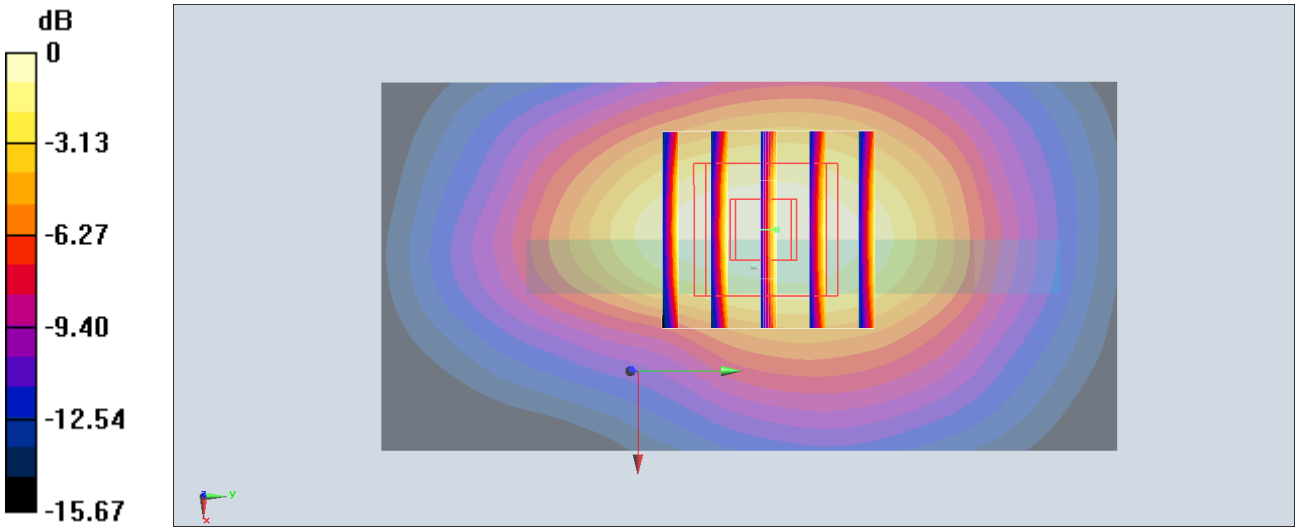
#27_GSM1900_GPRS (3 Tx slots)_Top Side_10mm_Ch810

Communication System: PCS; Frequency: 1909.8 MHz;Duty Cycle: 1:2.77
Medium: HSL_1900_200216 Medium parameters used: f = 1910 MHz; σ = 1.428 S/m; ε_r = 40.79; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7346; ConvF(8.07, 8.07, 8.07) @ 1909.8 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.780 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.81 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.857 W/kg
SAR(1 g) = 0.521 W/kg; SAR(10 g) = 0.304 W/kg
Maximum value of SAR (measured) = 0.732 W/kg



0 dB = 0.732 W/kg = -1.35 dBW/kg

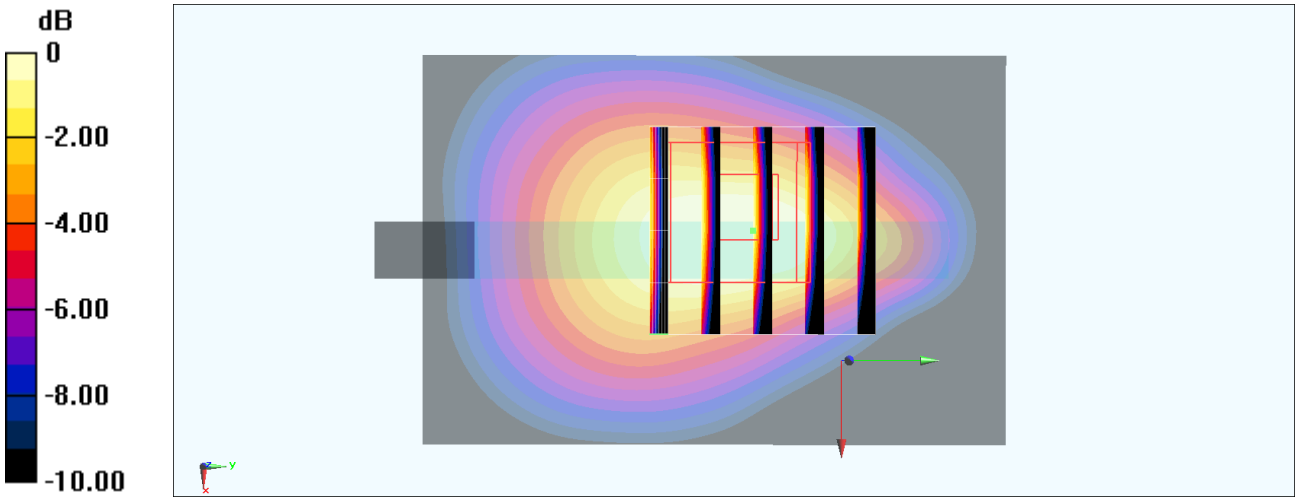
#28_WCDMA II_RMC 12.2Kbps_Bottom Side_10mm_Ch9400

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900_200124 Medium parameters used: f = 1880 MHz; σ = 1.413 S/m; ε_r = 40.17; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3184; ConvF(5.23, 5.23, 5.23) @ 1880 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2019/4/30
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.747 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.58 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.913 W/kg
SAR(1 g) = 0.590 W/kg; SAR(10 g) = 0.339 W/kg
Maximum value of SAR (measured) = 0.680 W/kg



0 dB = 0.680 W/kg = -1.67 dBW/kg

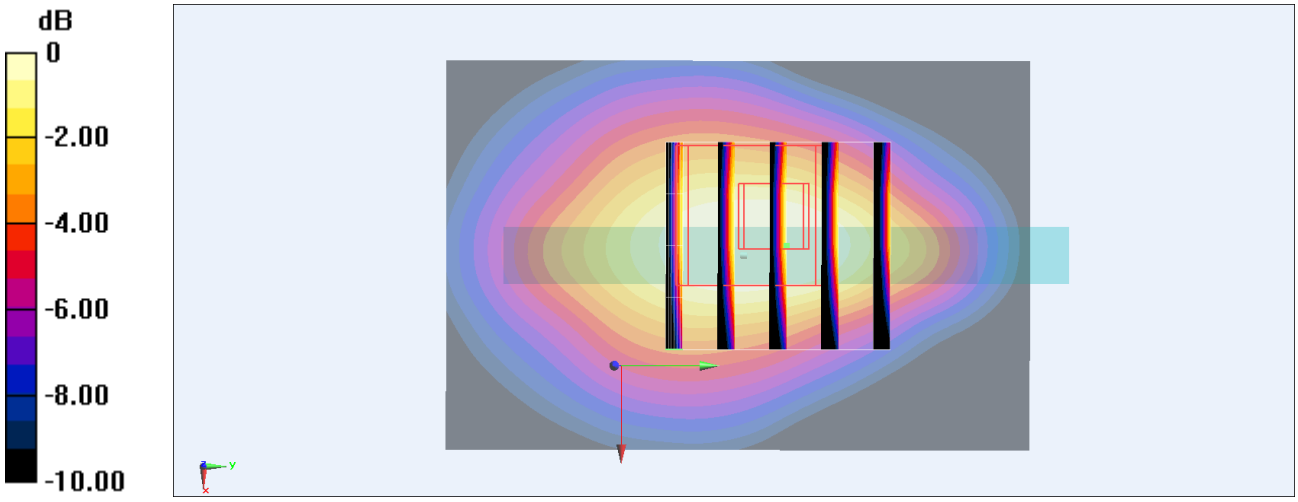
#29_WCDMA IV_RMC 12.2Kbps_Bottom Side_10mm_Ch1413

Communication System: WCDMA; Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: HSL_1750_200124 Medium parameters used: f = 1733 MHz; σ = 1.374 S/m; ε_r = 39.197; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3184; ConvF(5.45, 5.45, 5.45) @ 1732.6 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2019/4/30
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.752 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.79 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.889 W/kg
SAR(1 g) = 0.589 W/kg; SAR(10 g) = 0.349 W/kg
Maximum value of SAR (measured) = 0.669 W/kg



0 dB = 0.669 W/kg = -1.75 dBW/kg

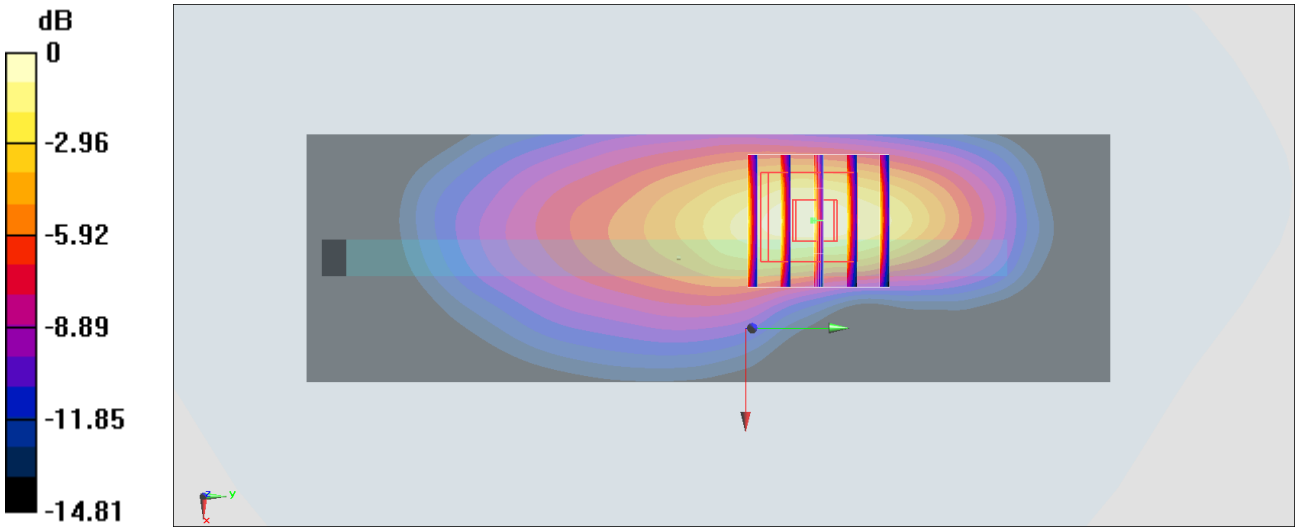
#30_WCDMA V_RMC 12.2Kbps_Left Side_10mm_Ch4182

Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL_850_200120 Medium parameters used: f = 836.4 MHz; σ = 0.873 S/m; ε_r = 41.881; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7346; ConvF(9.81, 9.81, 9.81) @ 836.4 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (41x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.759 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.51 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.936 W/kg
SAR(1 g) = 0.518 W/kg; SAR(10 g) = 0.292 W/kg
Maximum value of SAR (measured) = 0.788 W/kg



0 dB = 0.788 W/kg = -1.03 dBW/kg

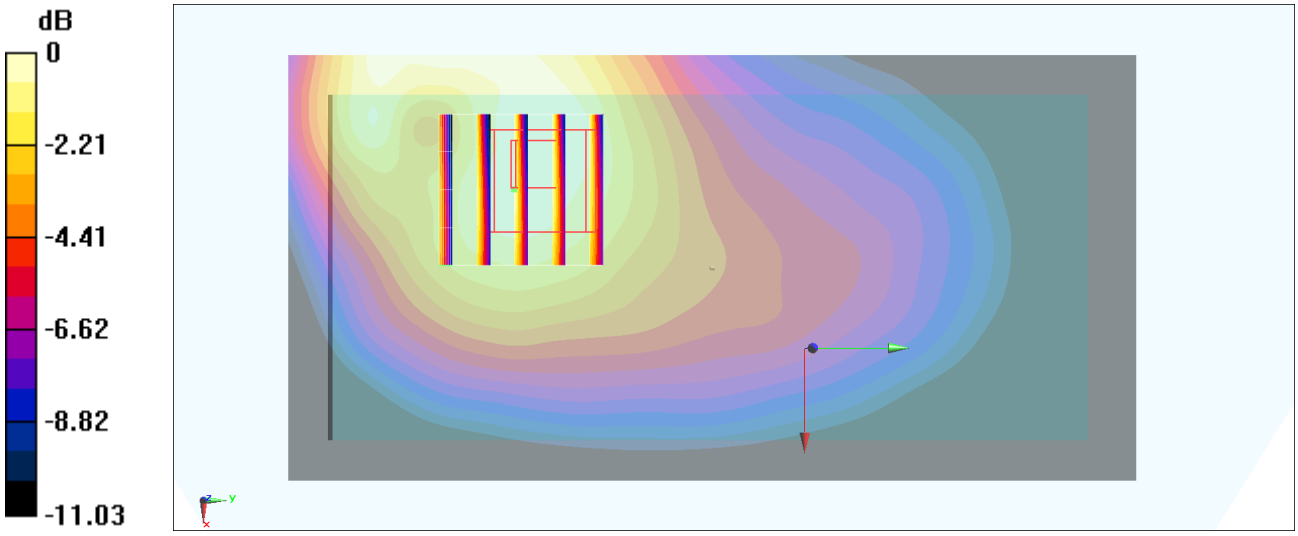
#31_LTE Band 5_10M_QPSK_1_0_Back_10mm_Ch20525

Communication System: LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL_850_200121 Medium parameters used : f = 836.5 MHz; σ = 0.919 S/m; ε_r = 41.495; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3184; ConvF(6.41, 6.41, 6.41) @ 836.5 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2019/4/30
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1683
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.618 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.87 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.725 W/kg
SAR(1 g) = 0.554 W/kg; SAR(10 g) = 0.387 W/kg
Maximum value of SAR (measured) = 0.613 W/kg



0 dB = 0.613 W/kg = -2.13 dBW/kg

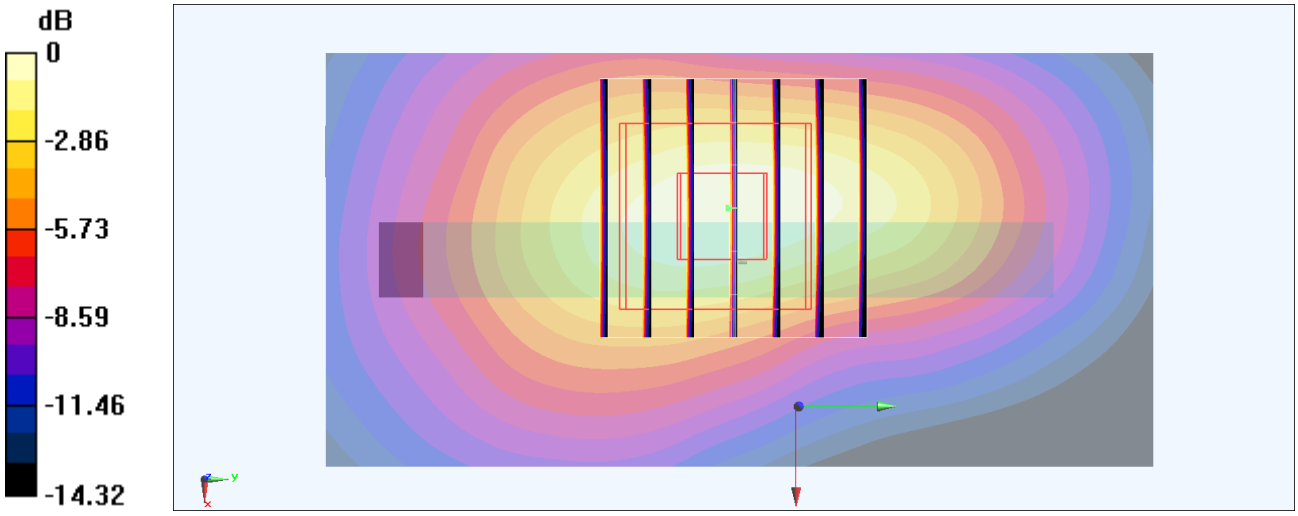
#32_LTE Band 7_20M_QPSK_1_99_Bottom Side_10mm_Ch21100

Communication System: LTE ; Frequency: 2535 MHz;Duty Cycle: 1:1
Medium: HSL_2600_200124 Medium parameters used: f = 2535 MHz; σ = 1.864 S/m; ε_r = 39.385; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7346; ConvF(7.31, 7.31, 7.31) @ 2535 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1682
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (41x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.21 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 25.88 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.775 W/kg; SAR(10 g) = 0.400 W/kg
Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.21 W/kg = 0.83 dBW/kg

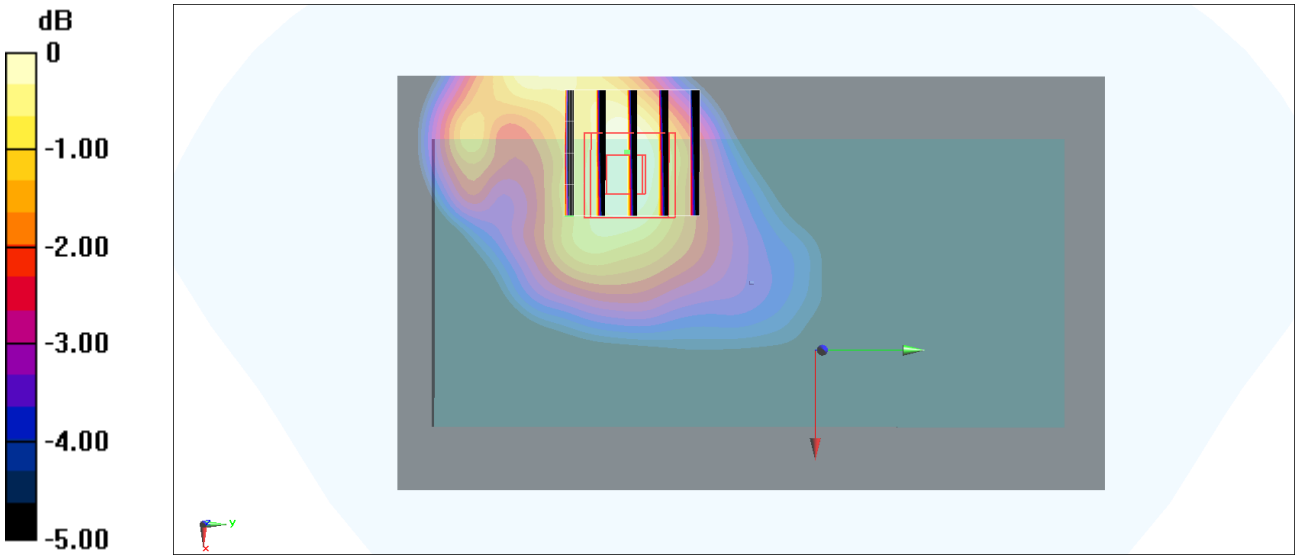
#33_LTE Band 12_10M_QPSK_1_49_Back_10mm_Ch23095

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: HSL_750_200121 Medium parameters used : f = 707.5 MHz; σ = 0.892 S/m; ε_r = 41.669; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3184; ConvF(6.61, 6.61, 6.61) @ 707.5 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2019/4/30
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1683
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.270 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.474 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.333 W/kg
SAR(1 g) = 0.230 W/kg; SAR(10 g) = 0.161 W/kg
Maximum value of SAR (measured) = 0.263 W/kg



0 dB = 0.263 W/kg = -5.80 dBW/kg

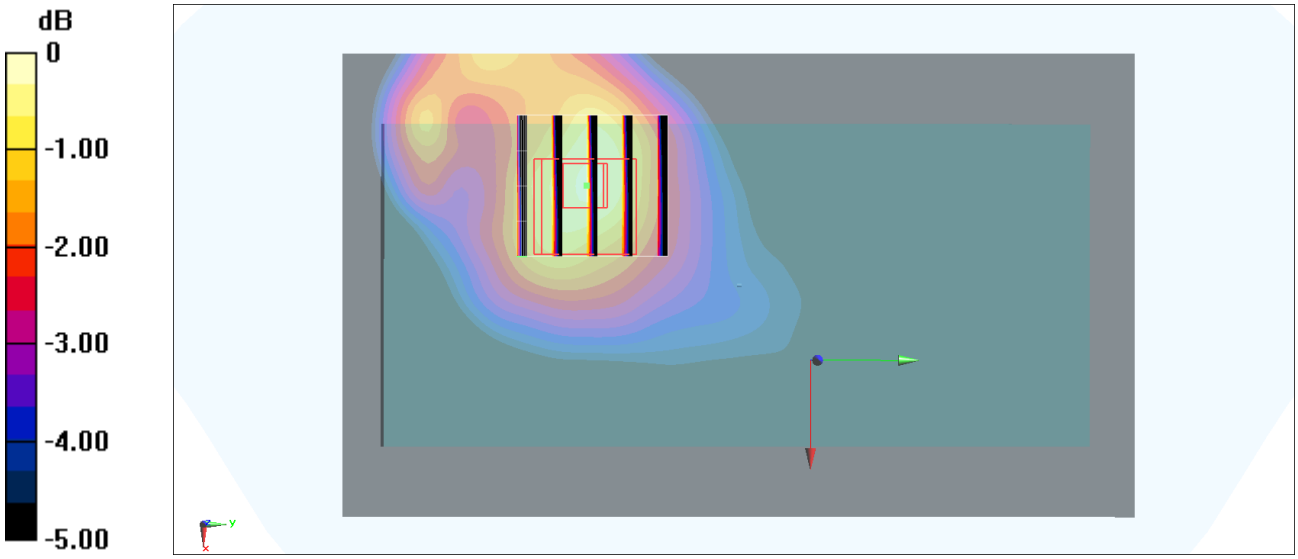
#34_LTE Band 13_10M_QPSK_25_12_Back_10mm_Ch23230

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: HSL_750_200121 Medium parameters used: f = 782 MHz; σ = 0.917 S/m; ε_r = 41.405; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3184; ConvF(6.61, 6.61, 6.61) @ 782 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2019/4/30
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1683
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.523 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.859 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.636 W/kg
SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.352 W/kg
Maximum value of SAR (measured) = 0.553 W/kg



0 dB = 0.553 W/kg = -2.57 dBW/kg

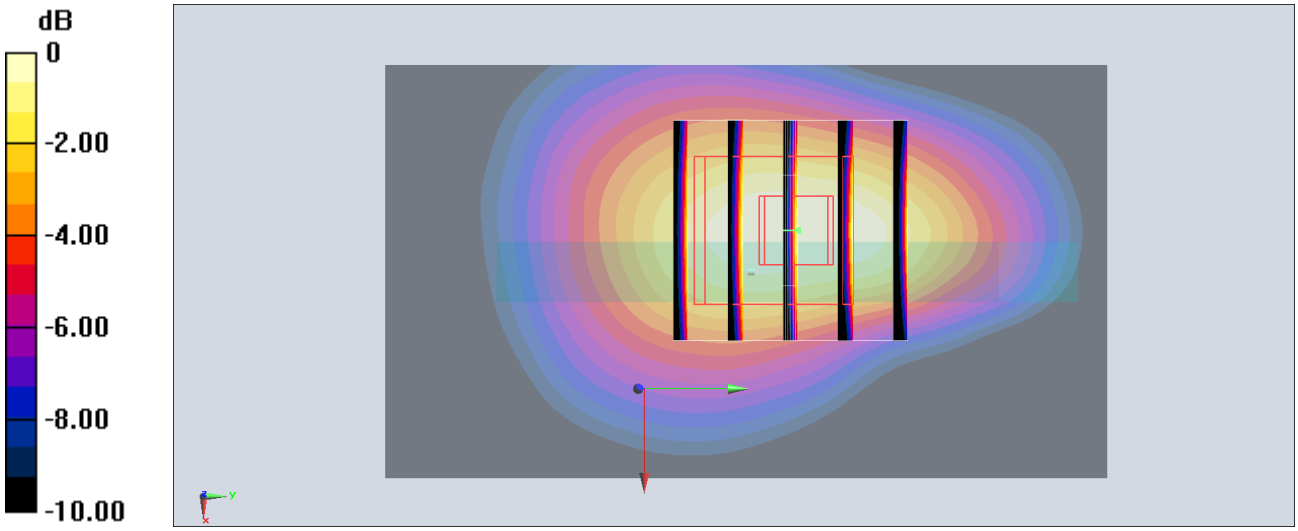
#36_LTE Band 25_20M_QPSK_1_99_Bottom Side_10mm_Ch26590

Communication System: LTE; Frequency: 1905 MHz;Duty Cycle: 1:1
Medium: HSL_1900_200211 Medium parameters used : f = 1905 MHz; σ = 1.419 S/m; ε_r = 40.441; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7346; ConvF(8.07, 8.07, 8.07) @ 1905 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.991 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.89 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.680 W/kg; SAR(10 g) = 0.395 W/kg
Maximum value of SAR (measured) = 0.974 W/kg



0 dB = 0.974 W/kg = -0.11 dBW/kg

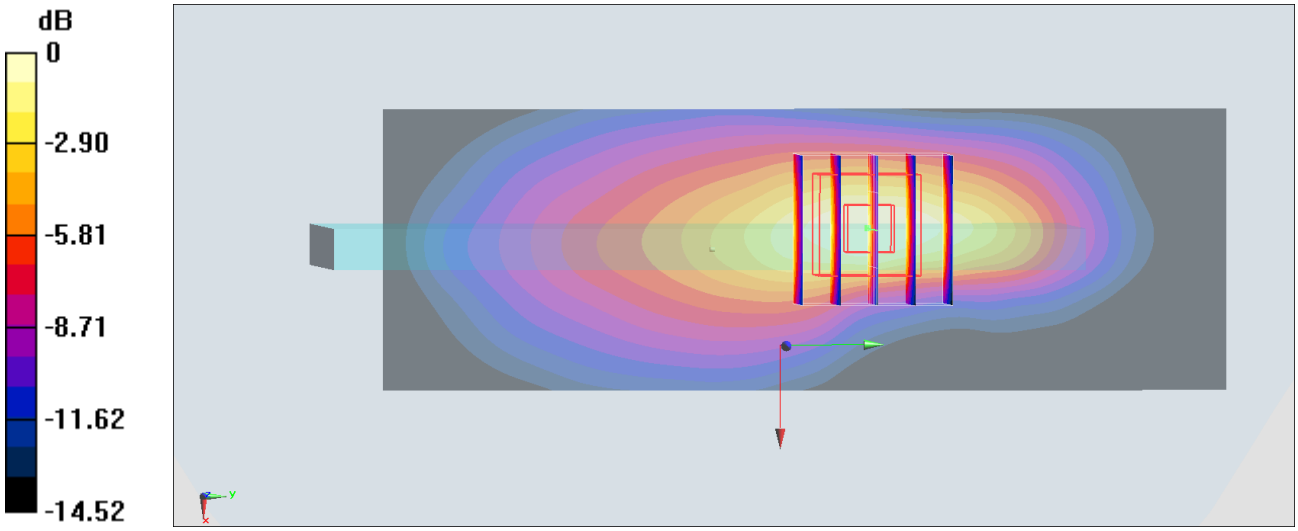
#37_LTE Band 26_15M_QPSK_1_0_Left Side_10mm_Ch26865

Communication System: LTE; Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium: HSL_850_200120 Medium parameters used: f = 831.5 MHz; σ = 0.868 S/m; ε_r = 41.944; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7346; ConvF(9.81, 9.81, 9.81) @ 831.5 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.809 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.84 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.895 W/kg
SAR(1 g) = 0.497 W/kg; SAR(10 g) = 0.280 W/kg
Maximum value of SAR (measured) = 0.752 W/kg



0 dB = 0.752 W/kg = -1.24 dBW/kg

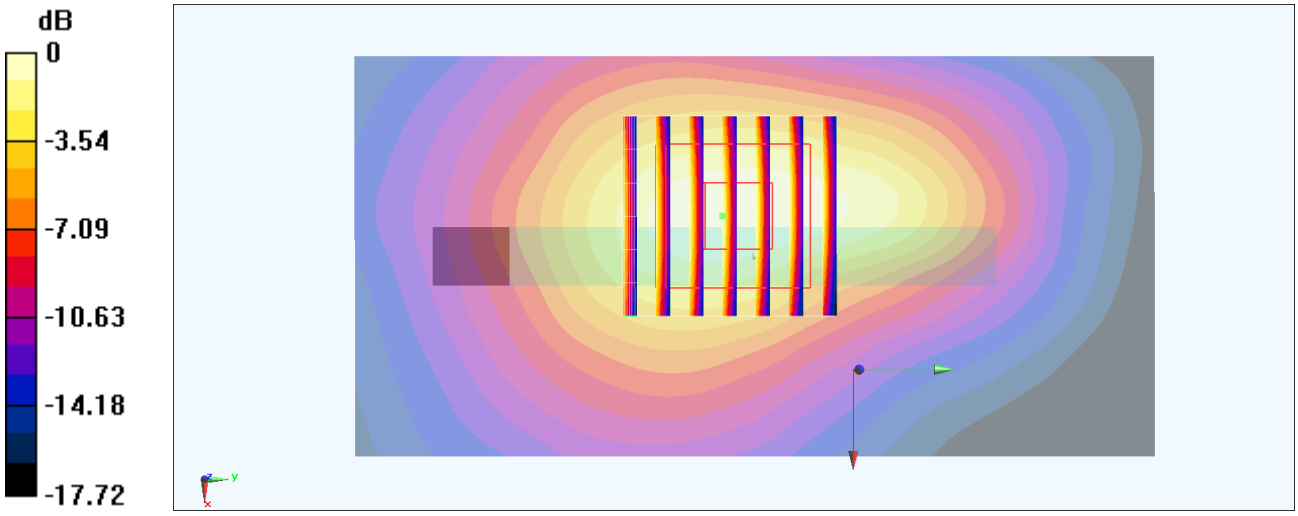
#38_LTE Band 30_10M_QPSK_1_0_Bottom Side_10mm_Ch27710

Communication System: LTE; Frequency: 2310 MHz;Duty Cycle: 1:1
Medium: HSL_2300_200125 Medium parameters used: f = 2310 MHz; σ = 1.616 S/m; ε_r = 39.362; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7346; ConvF(7.81, 7.81, 7.81) @ 2310 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1682
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (51x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.965 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 24.65 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.661 W/kg; SAR(10 g) = 0.360 W/kg
Maximum value of SAR (measured) = 0.957 W/kg



0 dB = 0.957 W/kg = -0.19 dBW/kg

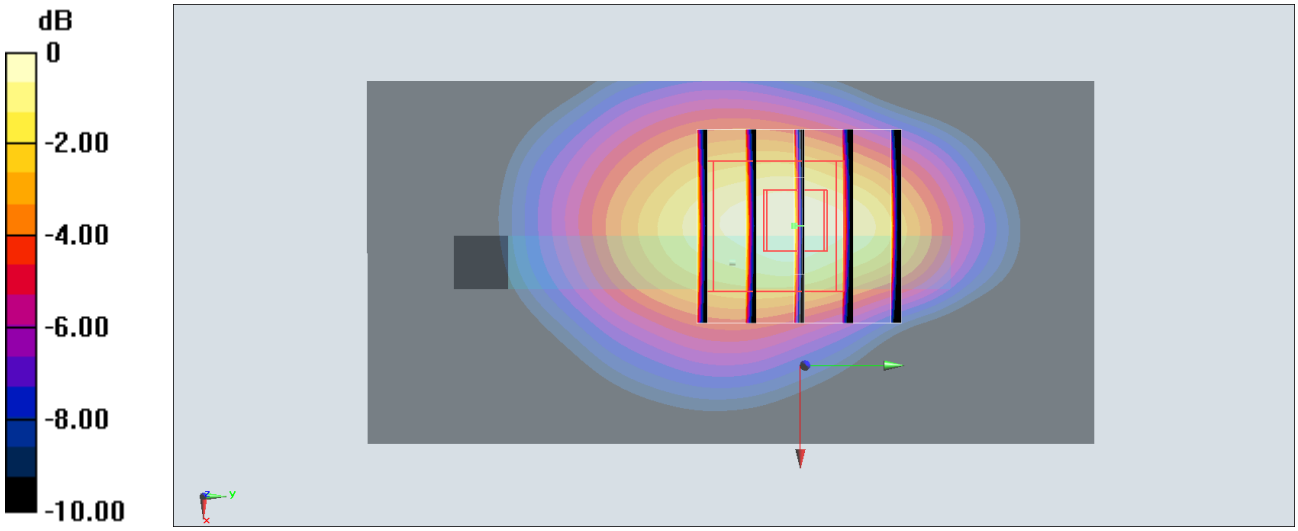
#39_LTE Band 66_20M_QPSK_1_49_Bottom Side_10mm_Ch132072

Communication System: LTE; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: HSL_1750_200215 Medium parameters used: f = 1720 MHz; σ = 1.357 S/m; ε_r = 39.6; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7346; ConvF(8.5, 8.5, 8.5) @ 1720 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.54 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.02 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.80 W/kg
SAR(1 g) = 1.029 W/kg; SAR(10 g) = 0.633 W/kg
Maximum value of SAR (measured) = 1.53 W/kg



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

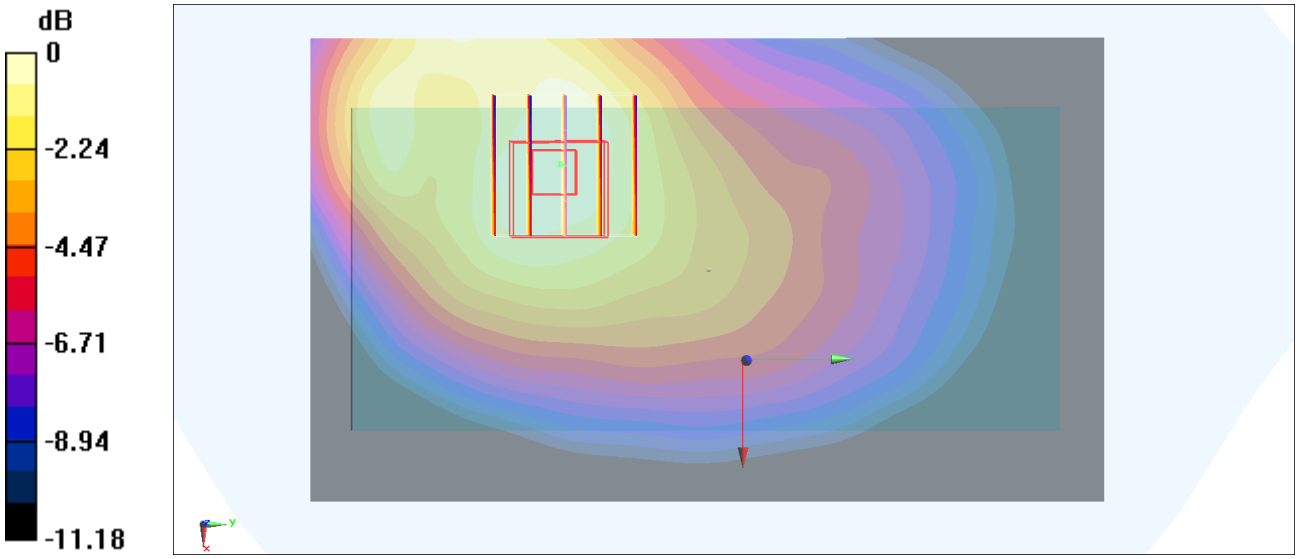
#40_LTE Band 71_20M_QPSK_1_99_Back_10mm_Ch133322

Communication System: LTE; Frequency: 683 MHz;Duty Cycle: 1:1
Medium: HSL_750_200122 Medium parameters used: f = 683 MHz; σ = 0.893 S/m; ε_r = 42.159; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3184; ConvF(6.61, 6.61, 6.61) @ 683 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2019/4/30
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1683
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.304 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.74 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.347 W/kg
SAR(1 g) = 0.266 W/kg; SAR(10 g) = 0.195 W/kg
Maximum value of SAR (measured) = 0.295 W/kg



0 dB = 0.295 W/kg = -5.30 dBW/kg

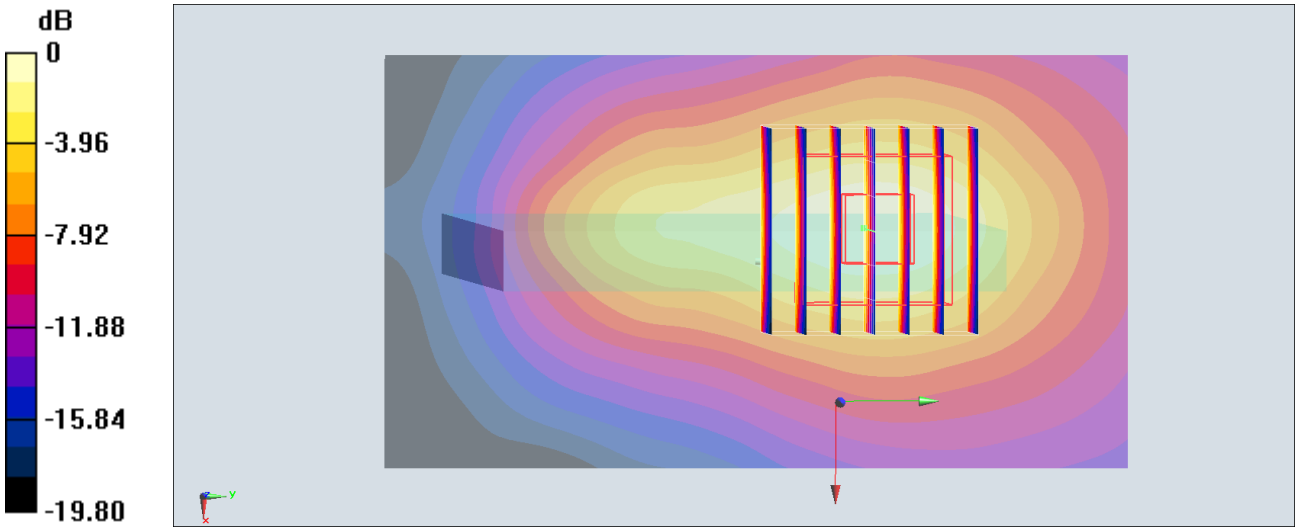
#41_LTE Band 41_20M_QPSK_50_24_Top Side_10mm_Ch41490

Communication System: LTE; Frequency: 2680 MHz;Duty Cycle: 1:1.59
Medium: HSL_2600_200217 Medium parameters used: f = 2680 MHz; σ = 2.058 S/m; ε_r = 38.424; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7346; ConvF(7.31, 7.31, 7.31) @ 2680 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (51x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.965 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 20.64 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.582 W/kg; SAR(10 g) = 0.285 W/kg
Maximum value of SAR (measured) = 0.930 W/kg



0 dB = 0.930 W/kg = -0.32 dBW/kg

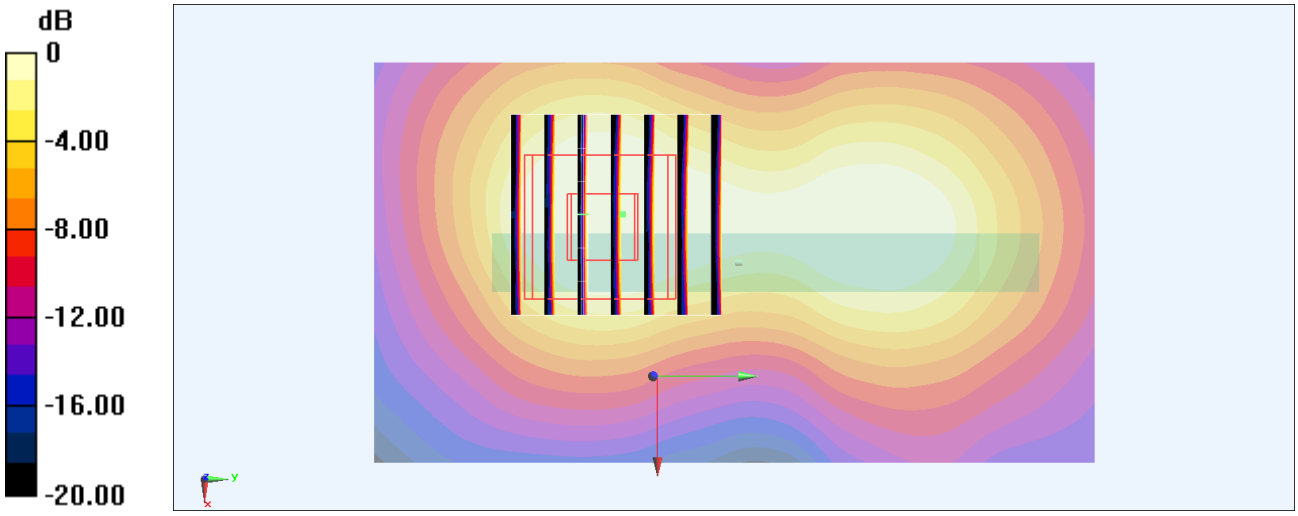
#42_LTE Band 48_20M_QPSK_50_0_Top Side_10mm_Ch55340

Communication System: LTE; Frequency: 3560 MHz;Duty Cycle: 1:1.59
Medium: HSL_3500_200214 Medium parameters used: f = 3560 MHz; σ = 3.006 S/m; ε_r = 38.852; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3642; ConvF(6.75, 6.75, 6.75) @ 3560 MHz; Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2019/5/21
- Phantom: SAM_Right; Type: SAM; Serial: TP:1681
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (51x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.573 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.4mm
Reference Value = 12.52 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.792 W/kg
SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.112 W/kg
Maximum value of SAR (measured) = 0.305 W/kg



0 dB = 0.305 W/kg = -5.16 dBW/kg

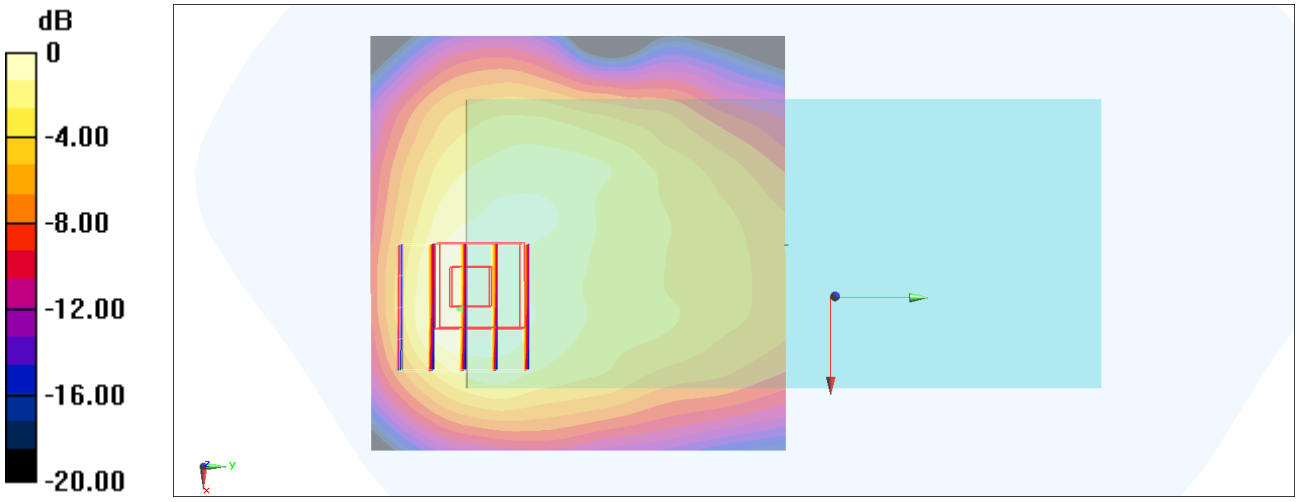
#43_LTE N2_20M_QPSK_50_28_Back_10mm_Ch380000

Communication System: NR; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_200221 Medium parameters used: f = 1900 MHz; σ = 1.36 S/m; ε_r = 40.139; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3184; ConvF(5.23, 5.23, 5.23) @ 1900 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2019/4/30
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.551 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.69 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.703 W/kg
SAR(1 g) = 0.462 W/kg; SAR(10 g) = 0.273 W/kg
Maximum value of SAR (measured) = 0.545 W/kg



0 dB = 0.545 W/kg = -2.64 dBW/kg

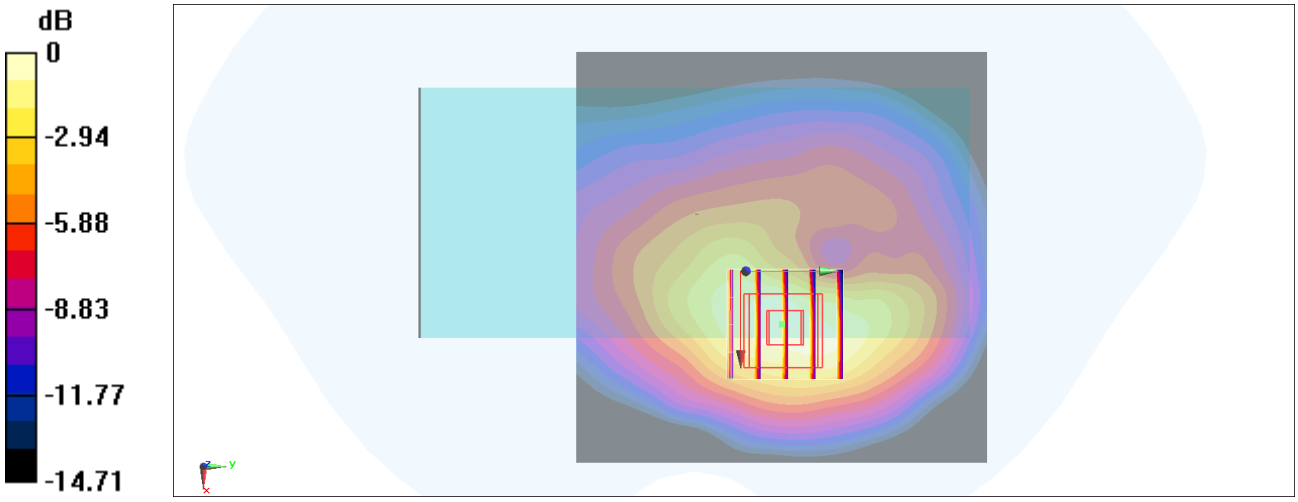
#44_LTE N5_20M_QPSK_1_1_Back_10mm_Ch167300

Communication System: NR; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL_850_200218 Medium parameters used : f = 836.5 MHz; σ = 0.911 S/m; ε_r = 41.738; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3184; ConvF(6.41, 6.41, 6.41) @ 836.5 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2019/4/30
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1683
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.480 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.551 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.595 W/kg
SAR(1 g) = 0.427 W/kg; SAR(10 g) = 0.265 W/kg
Maximum value of SAR (measured) = 0.505 W/kg



0 dB = 0.505 W/kg = -2.97 dBW/kg

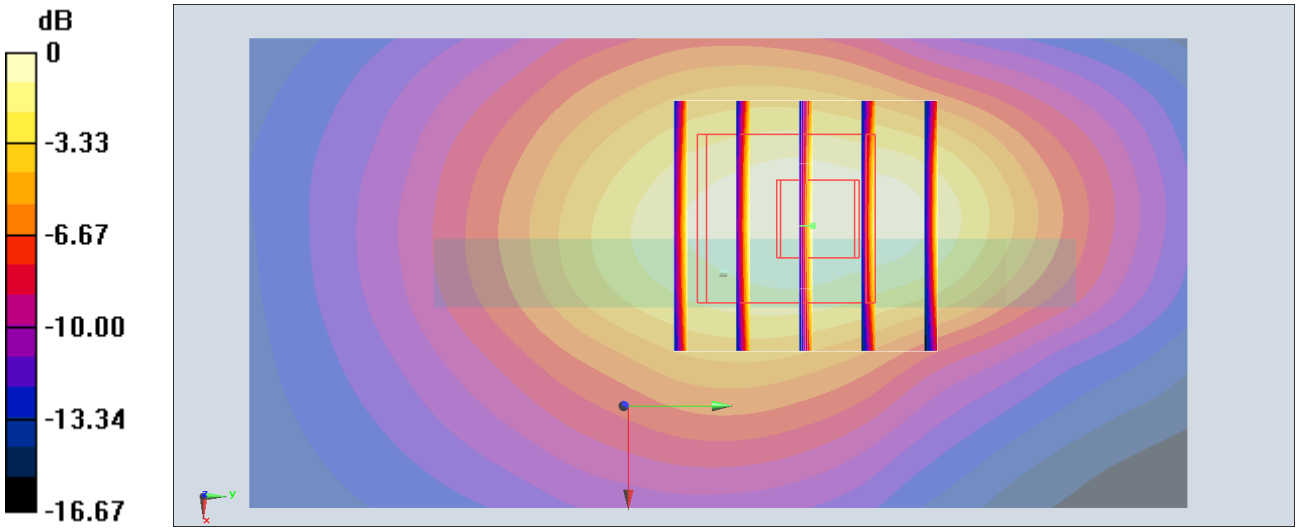
#45_LTE N66_20M_QPSK_50_0_Bottom Side_10mm_Ch344000

Communication System: NR; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: HSL_1750_200226 Medium parameters used: f = 1720 MHz; σ = 1.337 S/m; ε_r = 39.842; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7346; ConvF(8.5, 8.5, 8.5) @ 1720 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.24 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.81 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.782 W/kg; SAR(10 g) = 0.307 W/kg
Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.19 W/kg = 0.76 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2020.2.20

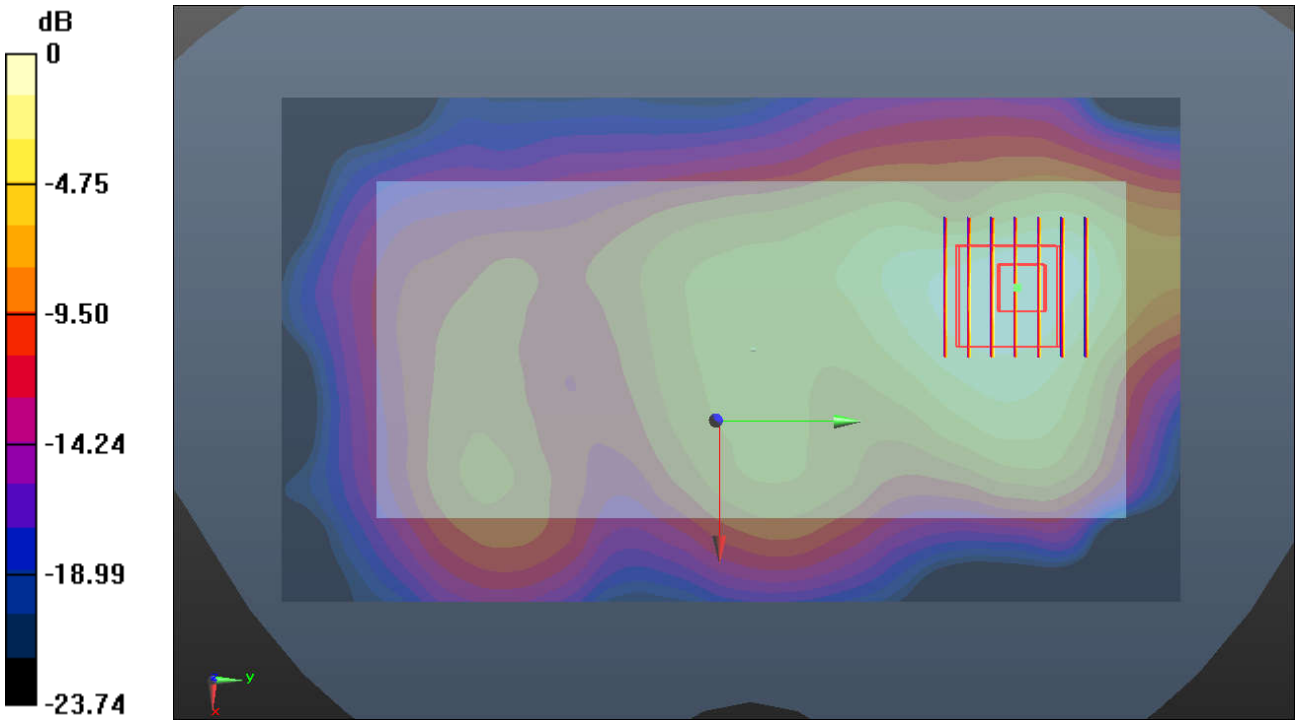
#46_WLAN2.4GHz_802.11b 1MBps_Back_10mm_Ch11

Communication System: UID 0, 802.11b (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL_2450 Medium parameters used: f = 2462 MHz; σ = 1.81 S/m; ε_r = 40.832; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3293; ConvF(4.6, 4.6, 4.6); Calibrated: 2019.11.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2019.11.20
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.158 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.085 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.233 W/kg
SAR(1 g) = 0.124 W/kg; SAR(10 g) = 0.067 W/kg
Maximum value of SAR (measured) = 0.154 W/kg



0 dB = 0.154 W/kg = -8.12 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2020.2.21

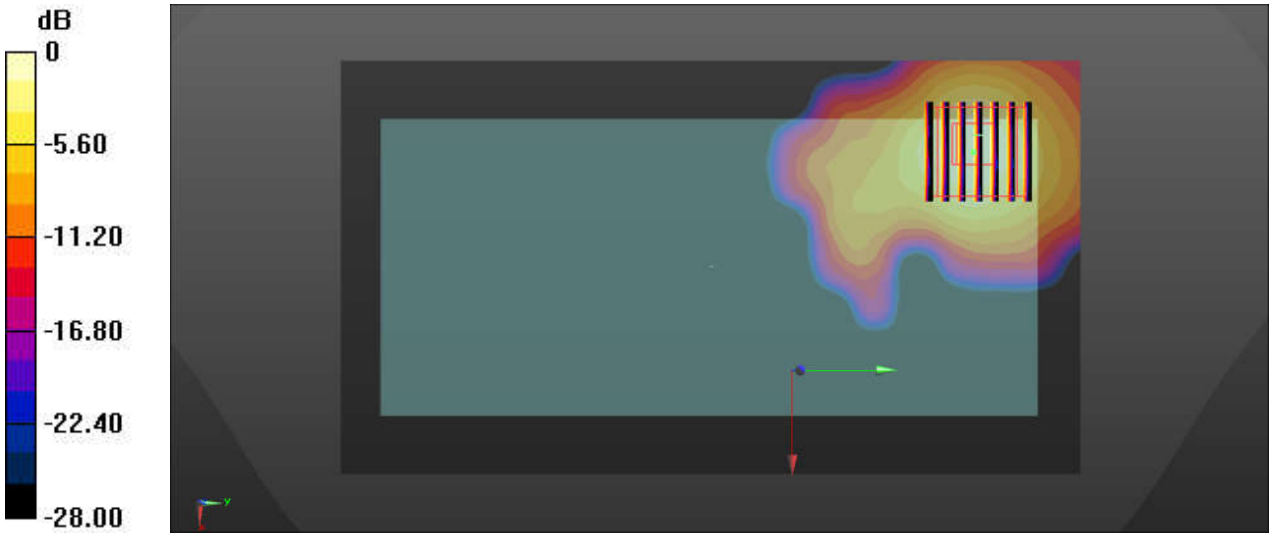
#47_WLAN5GHz_802.11ac-VHT80 MCS0_Back_10mm_Ch42

Communication System: UID 0, 802.11ac (0); Frequency: 5210 MHz;Duty Cycle: 1:1
Medium: HSL_5000 Medium parameters used: f = 5210 MHz; σ = 4.604 S/m; ε_r = 36.607; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃； Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(5.19, 5.19, 5.19); Calibrated: 2019.5.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2019.7.23
- Phantom: SAM1; Type: SAM; Serial: 1697
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.917 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.32 W/kg
SAR(1 g) = 0.404 W/kg; SAR(10 g) = 0.150 W/kg
Maximum value of SAR (measured) = 0.851 W/kg



0 dB = 0.917 W/kg = -0.38 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2020.2.23

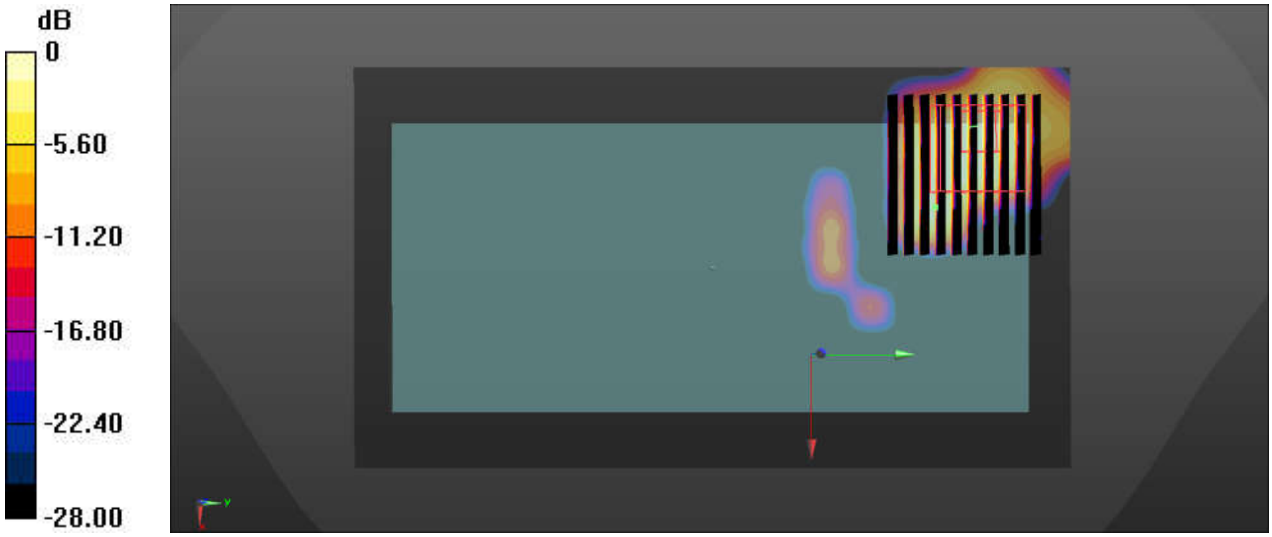
#48_WLAN5GHz_802.11ac-VHT80 MCS0_Back_10mm_Ch155

Communication System: UID 0, 802.11ac (0); Frequency: 5775 MHz;Duty Cycle: 1:1
Medium: HSL_5000 Medium parameters used: f = 5775 MHz; σ = 5.191 S/m; ε_r = 35.821; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃； Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(5.17, 5.17, 5.17); Calibrated: 2019.5.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2019.7.23
- Phantom: SAM1; Type: SAM; Serial: 1697
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.309 W/kg

Zoom Scan (11x10x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.478 W/kg
SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.034 W/kg
Maximum value of SAR (measured) = 0.286 W/kg



0 dB = 0.309 W/kg = -5.10 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2020.2.20

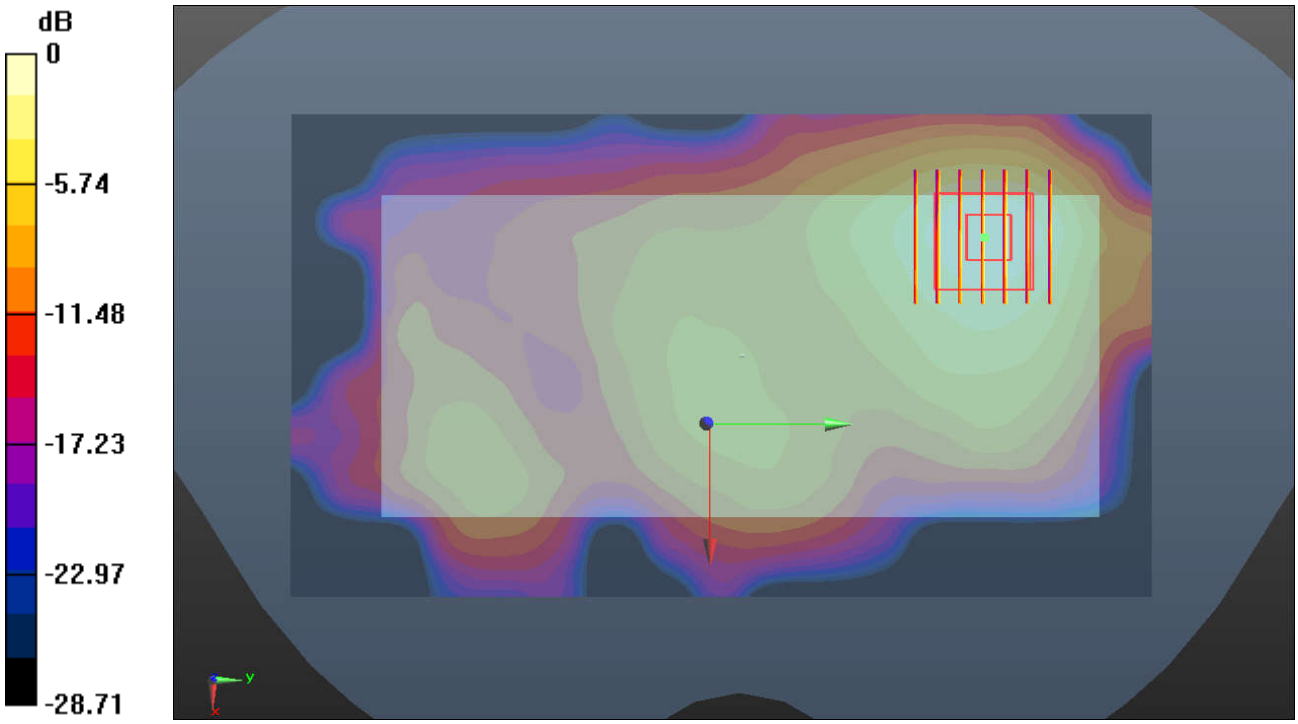
#49_ Bluetooth_1MBps_Back_10mm_Ch39

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1.303
Medium: HSL_2450 Medium parameters used: f = 2441 MHz; σ = 1.785 S/m; ε_r = 40.907; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3293; ConvF(4.6, 4.6, 4.6); Calibrated: 2019.11.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2019.11.20
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0466 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.235 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.0680 W/kg
SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.018 W/kg
Maximum value of SAR (measured) = 0.0441 W/kg



0 dB = 0.0441 W/kg = -13.56 dBW/kg