Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019/8/7

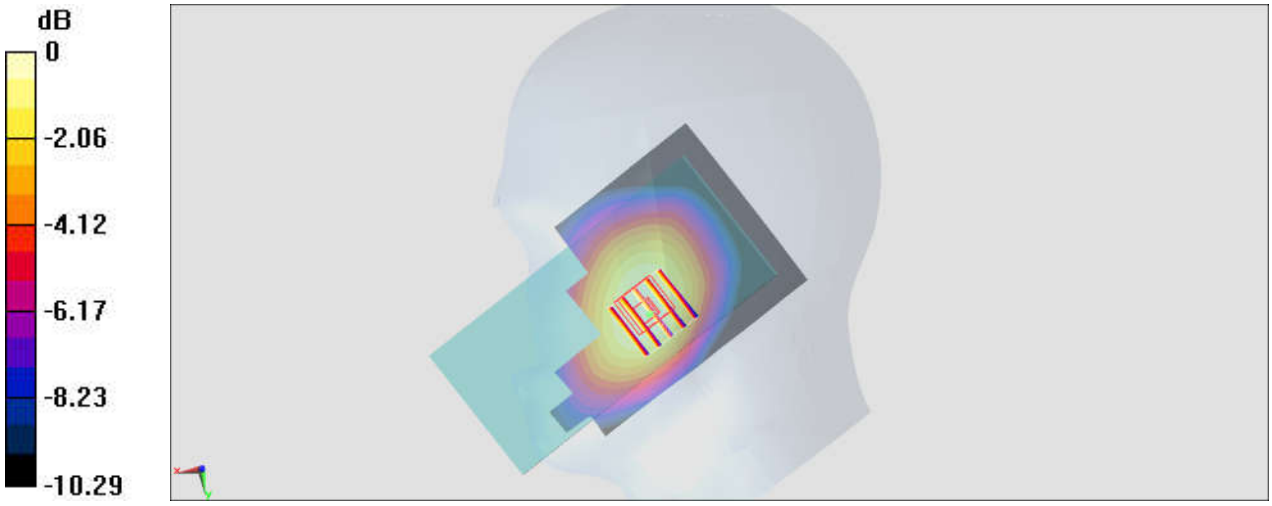
#01_GSM850_GPRS 4 Tx slots_Right Cheek_Ch189

Communication System: GSM850 ; Frequency: 836.4 MHz;Duty Cycle: 1:2.08
Medium: HSL_850_190807 Medium parameters used: f = 836.4 MHz; σ = 0.891 S/m; ε_r = 42.71; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.1 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39) @ 836.4 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.544 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.52 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.629 W/kg
SAR(1 g) = 0.492 W/kg; SAR(10 g) = 0.371 W/kg
Maximum value of SAR (measured) = 0.542 W/kg



0 dB = 0.542 W/kg = -2.66 dBW/kg

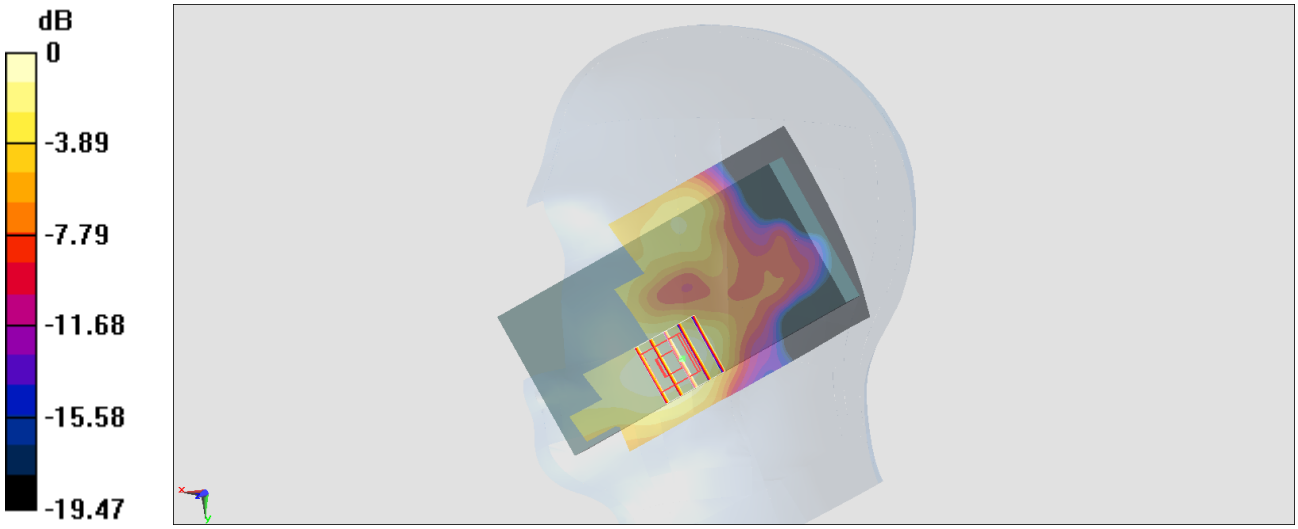
#02_GSM1900_GPRS (4 Tx slots)_Right Cheek_Ch661

Communication System: PCS; Frequency: 1880 MHz;Duty Cycle: 1:2.08
Medium: HSL_1900_190811 Medium parameters used: f = 1880 MHz; σ = 1.396 S/m; ε_r = 40.879; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(8.33, 8.33, 8.33) @ 1880 MHz; Calibrated: 2018/10/3
- 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 (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.105 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.570 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.111 W/kg
SAR(1 g) = 0.070 W/kg; SAR(10 g) = 0.044 W/kg
Maximum value of SAR (measured) = 0.0953 W/kg



0 dB = 0.0953 W/kg = -10.21 dBW/kg

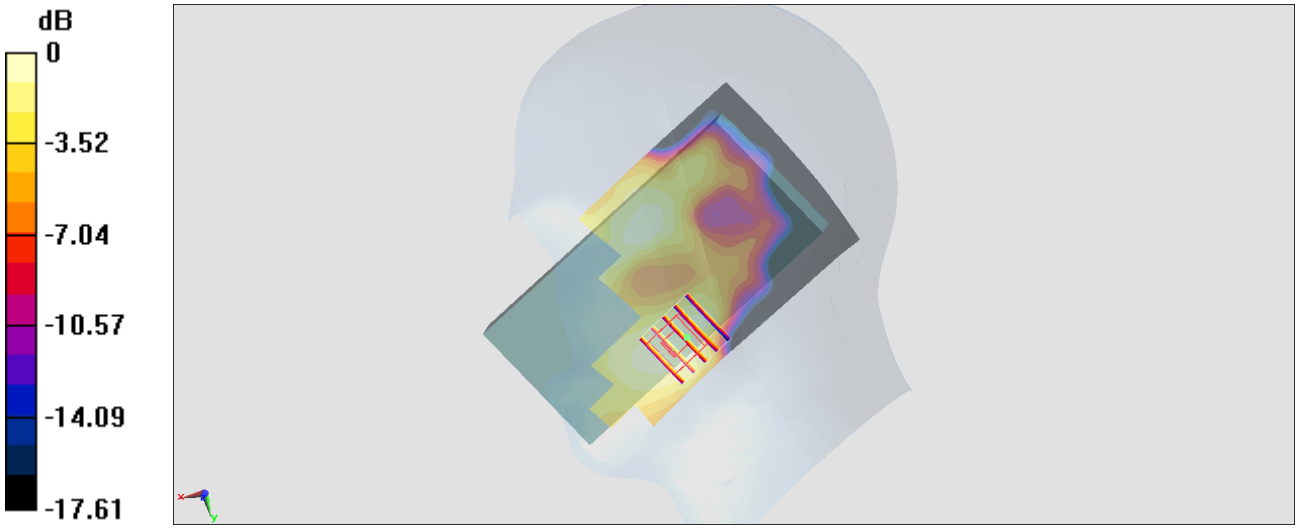
#03_WCDMA II_RMC 12.2Kbps_Right Cheek_Ch9538

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190811 Medium parameters used: f = 1908 MHz; σ = 1.424 S/m; ε_r = 40.765; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(8.33, 8.33, 8.33) @ 1907.6 MHz; Calibrated: 2018/10/3
- 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 (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.150 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.107 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.160 W/kg
SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.064 W/kg
Maximum value of SAR (measured) = 0.138 W/kg



0 dB = 0.138 W/kg = -8.60 dBW/kg

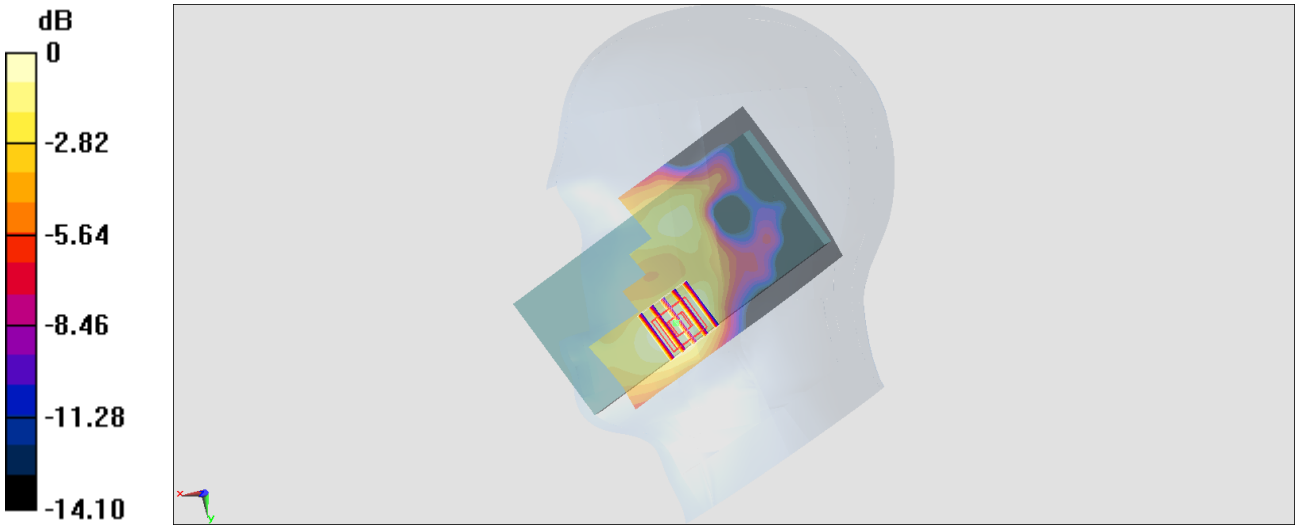
#04_WCDMA IV_RMC 12.2Kbps_Right Cheek_Ch1413

Communication System: WCDMA; Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190812 Medium parameters used: f = 1733 MHz; σ = 1.359 S/m; ε_r = 40.944; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(8.65, 8.65, 8.65) @ 1732.6 MHz; Calibrated: 2018/10/3
- 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 (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.146 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.916 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.156 W/kg
SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.067 W/kg
Maximum value of SAR (measured) = 0.136 W/kg



0 dB = 0.136 W/kg = -8.66 dBW/kg

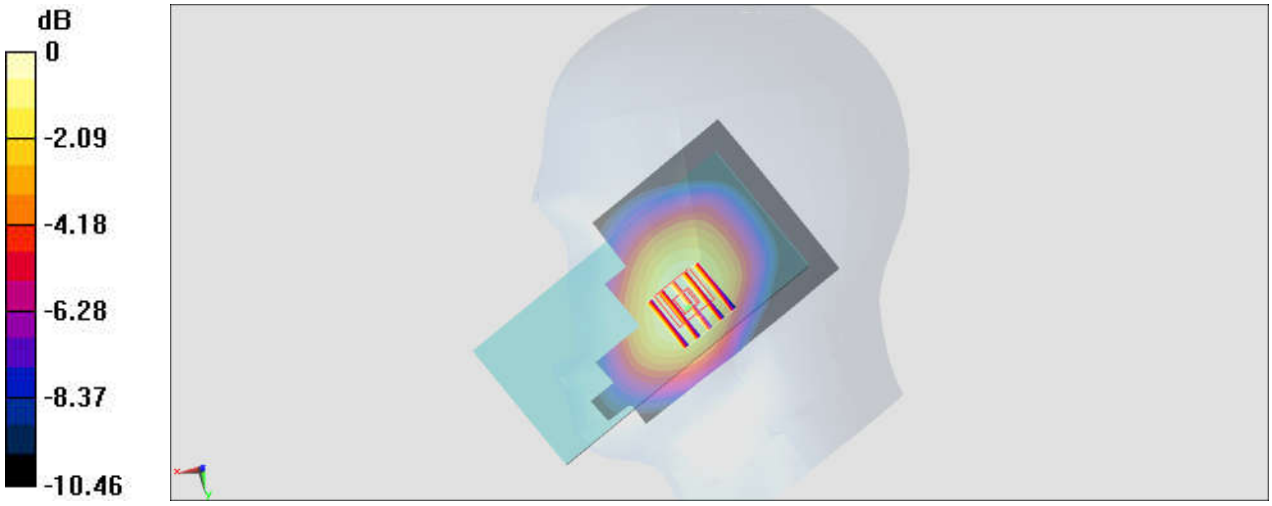
#05_WCDMA V_RMC 12.2Kbps_Right Cheek_Ch4132

Communication System: WCDMA ; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: HSL_850_190807 Medium parameters used: f = 826.4 MHz; σ = 0.881 S/m; ε_r = 42.846; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.1 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39) @ 826.4 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.565 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.70 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.645 W/kg
SAR(1 g) = 0.496 W/kg; SAR(10 g) = 0.372 W/kg
Maximum value of SAR (measured) = 0.547 W/kg



0 dB = 0.547 W/kg = -2.62 dBW/kg

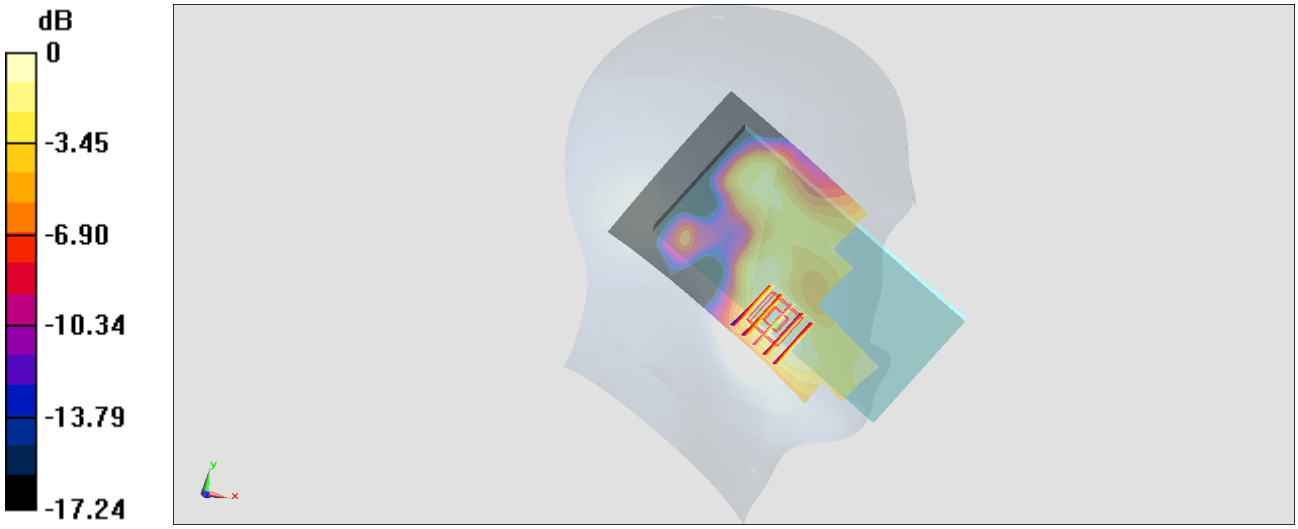
#06_LTE Band 4_20M_QPSK_1_0_Left Cheek_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190812 Medium parameters used: f = 1733 MHz; σ = 1.359 S/m; ε_r = 40.944; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(8.65, 8.65, 8.65) @ 1732.5 MHz; Calibrated: 2018/10/3
- 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 (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0899 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.847 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.108 W/kg
SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.046 W/kg
Maximum value of SAR (measured) = 0.0942 W/kg



0 dB = 0.0942 W/kg = -10.26 dBW/kg

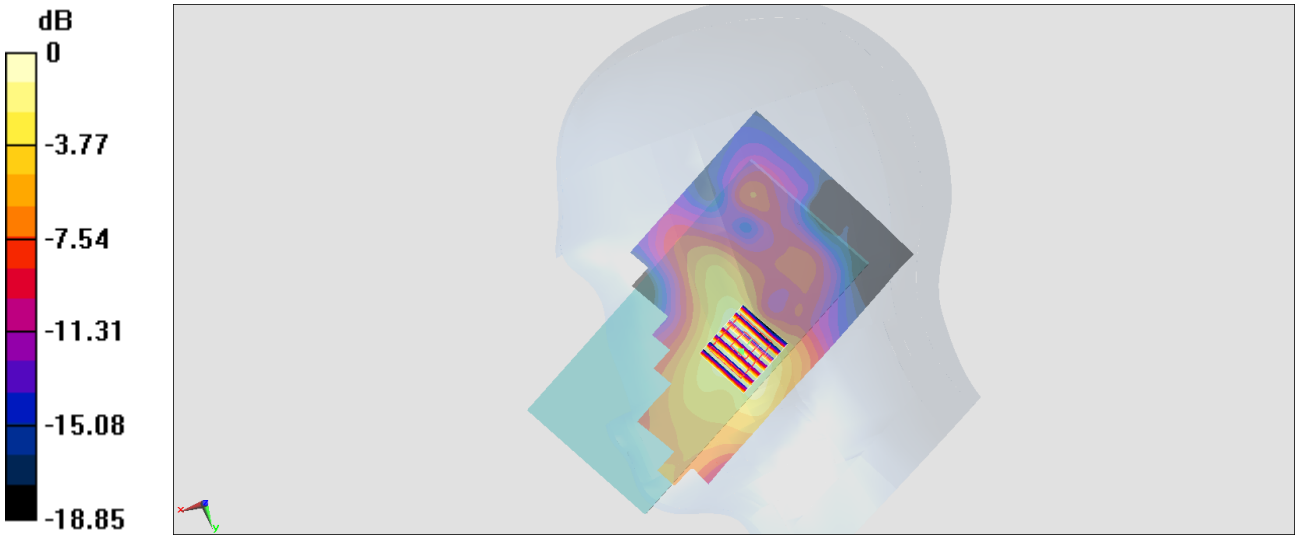
#07_LTE Band 7_20M_QPSK_1_0_Right Cheek_Ch20850

Communication System: LTE; Frequency: 2510 MHz;Duty Cycle: 1:1
Medium: HSL_2600_190705 Medium parameters used: f = 2510 MHz; σ = 1.941 S/m; ε_r = 39.533; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3728; ConvF(7.11, 7.11, 7.11) @ 2510 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (91x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.337 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.17 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.409 W/kg
SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.126 W/kg
Maximum value of SAR (measured) = 0.343 W/kg



0 dB = 0.343 W/kg = -4.65 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019/8/16

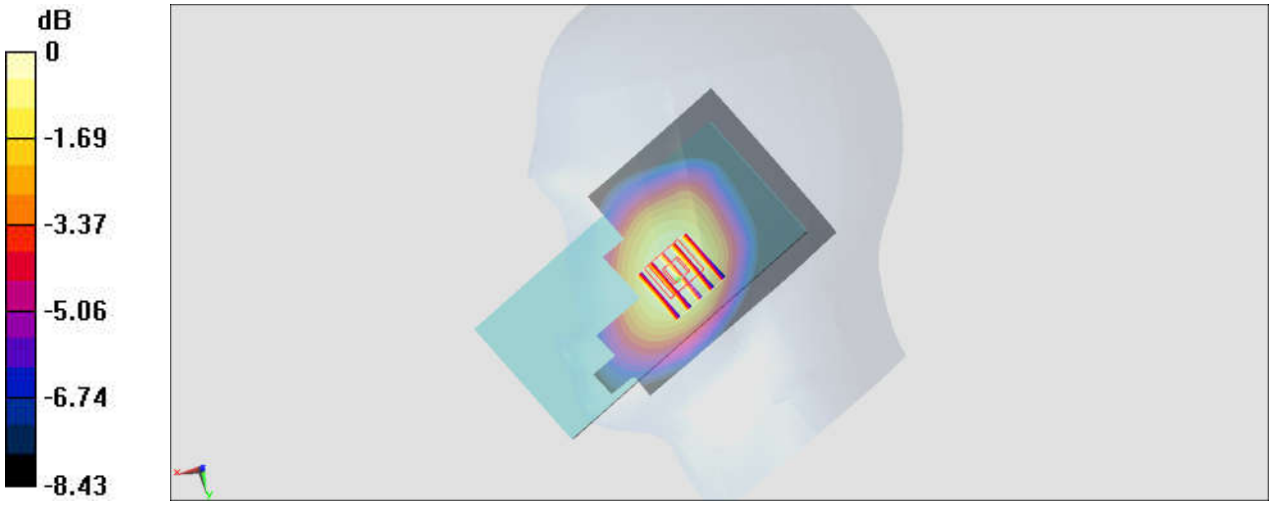
#08_LTE Band 12_10M_QPSK_1_0_Right Cheek_Ch23095

Communication System: LTE ; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: HSL_750_190816 Medium parameters used : f = 707.5 MHz; σ = 0.853 S/m; ε_r = 43.58; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.56, 6.56, 6.56) @ 707.5 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.225 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.90 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.250 W/kg
SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.165 W/kg
Maximum value of SAR (measured) = 0.225 W/kg



0 dB = 0.225 W/kg = -6.48 dBW/kg

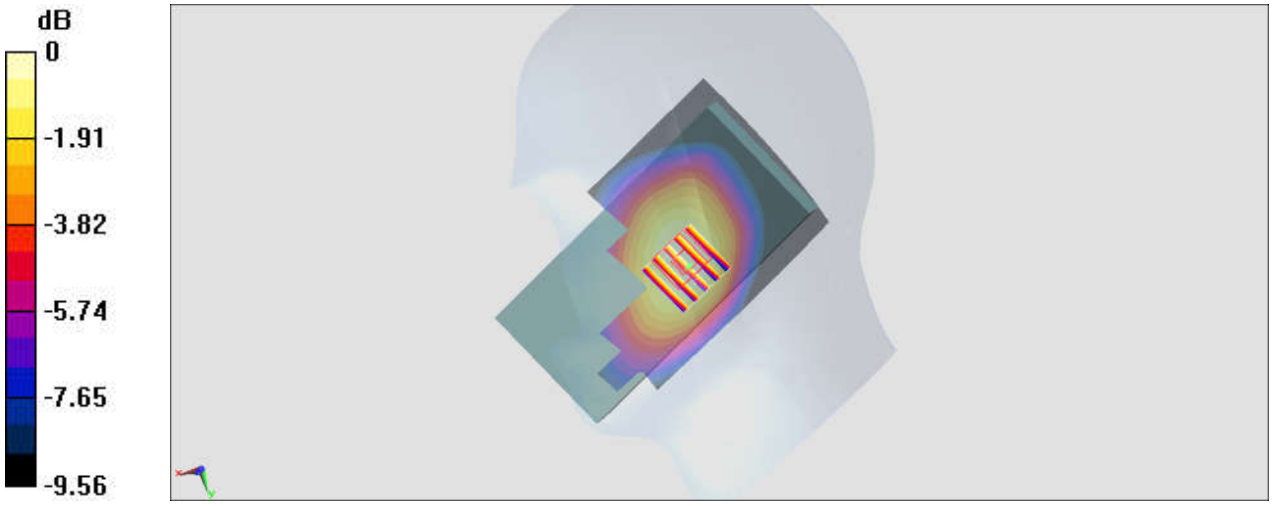
#09_LTE Band 13_10M_QPSK_1_49_Right Cheek_Ch23230

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: HSL_750_190816 Medium parameters used: f = 782 MHz; σ = 0.923 S/m; ε_r = 42.507; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.56, 6.56, 6.56) @ 782 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.465 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.53 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.522 W/kg
SAR(1 g) = 0.423 W/kg; SAR(10 g) = 0.326 W/kg
Maximum value of SAR (measured) = 0.462 W/kg



0 dB = 0.462 W/kg = -3.35 dBW/kg

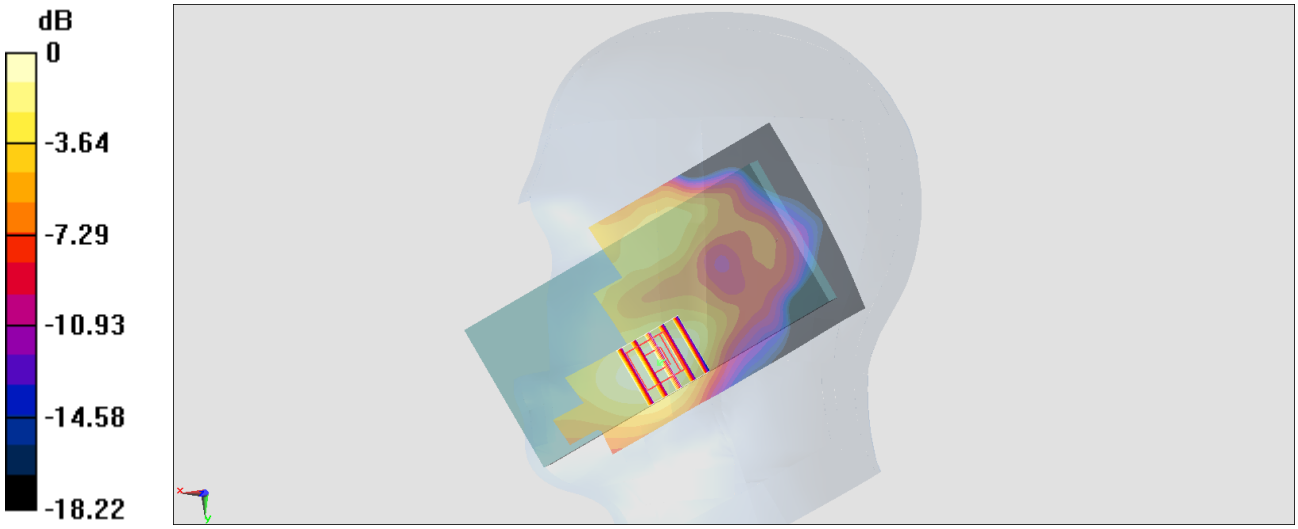
#10_LTE Band 25_20M_QPSK_50_24_Right Cheek_Ch26340

Communication System: LTE; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190811 Medium parameters used: f = 1880 MHz; σ = 1.396 S/m; ε_r = 40.879; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(8.33, 8.33, 8.33) @ 1880 MHz; Calibrated: 2018/10/3
- 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 (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.159 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.354 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.175 W/kg
SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.066 W/kg
Maximum value of SAR (measured) = 0.151 W/kg



0 dB = 0.151 W/kg = -8.21 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019/8/7

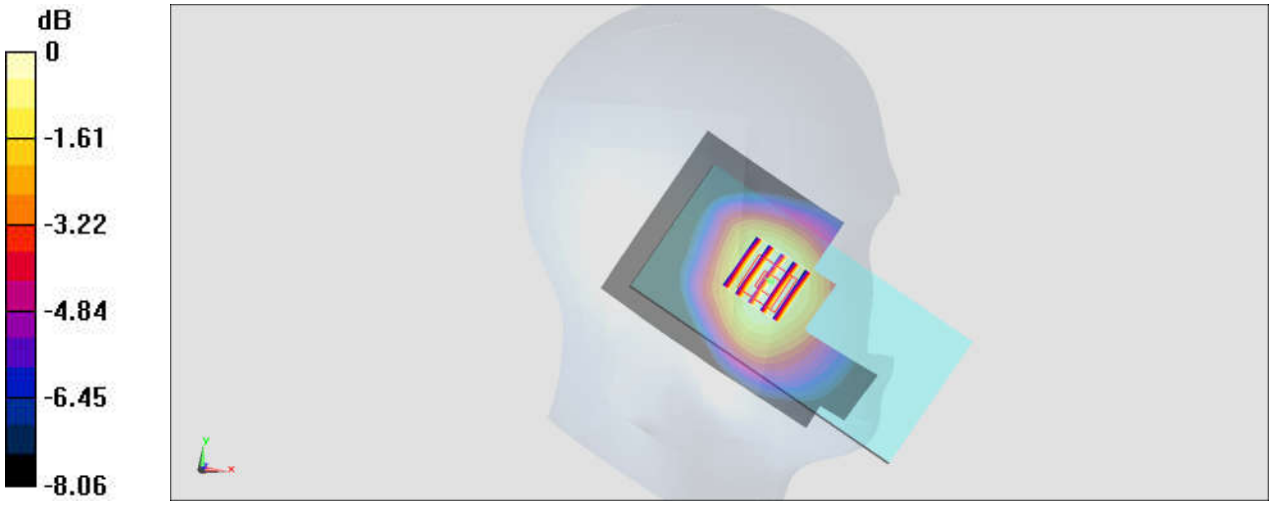
#11_LTE Band 26_15M_QPSK_1_74_Left Cheek_Ch26865

Communication System: LTE ; Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium: HSL_850_190807 Medium parameters used: f = 831.5 MHz; σ = 0.886 S/m; ε_r = 42.777; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.1 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39) @ 831.5 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.359 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.22 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.401 W/kg
SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.255 W/kg
Maximum value of SAR (measured) = 0.360 W/kg



0 dB = 0.360 W/kg = -4.44 dBW/kg

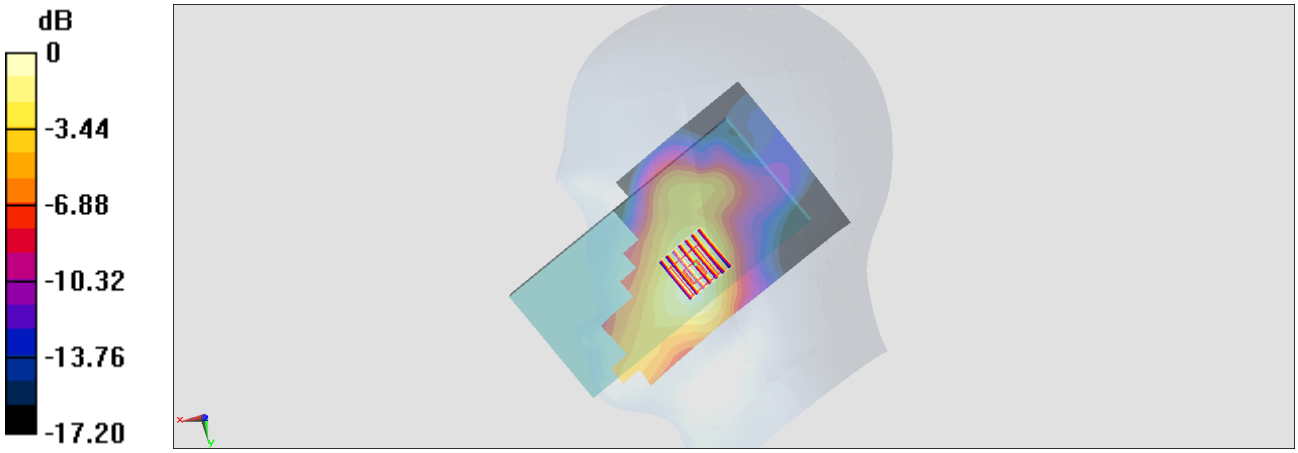
#12_LTE Band 30_10M_QPSK_1_0_Right Cheek_Ch27710

Communication System: LTE; Frequency: 2310 MHz;Duty Cycle: 1:1
Medium: HSL_2300_190705 Medium parameters used: f = 2310 MHz; σ = 1.705 S/m; ε_r = 40.35; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3925; ConvF(7.97, 7.97, 7.97) @ 2310 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2019/5/21
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (91x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.489 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.30 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.595 W/kg
SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.218 W/kg
Maximum value of SAR (measured) = 0.507 W/kg



0 dB = 0.507 W/kg = -2.95 dBW/kg

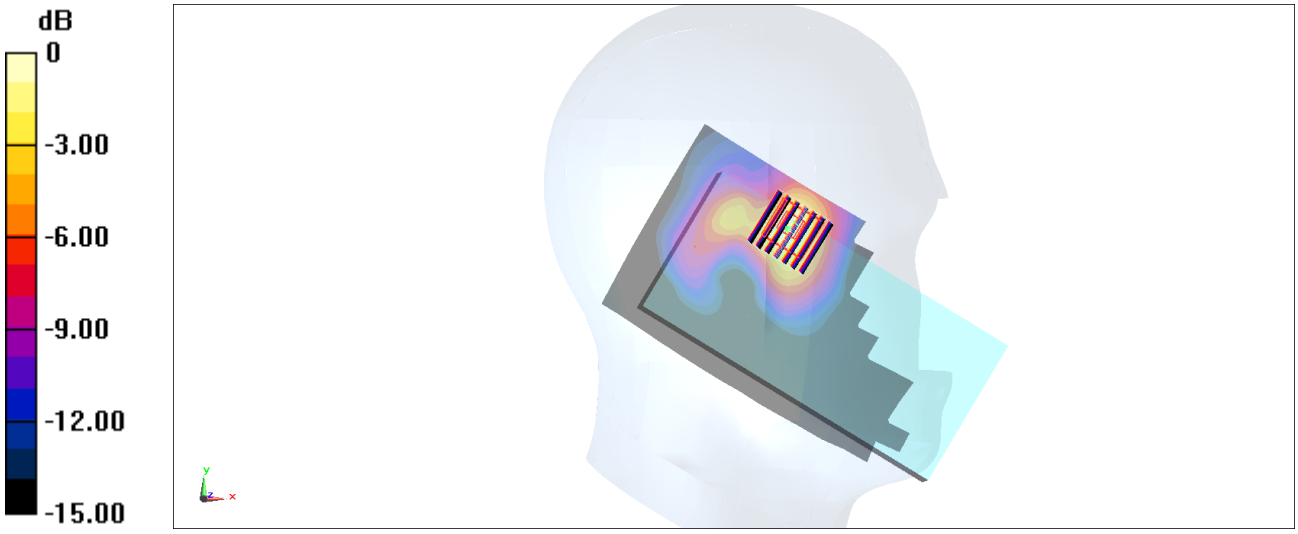
#13_WLAN2.4GHz_802.11b 1Mbps_Left Cheek_Ch6

Communication System: 802.11b ; Frequency: 2437 MHz;Duty Cycle: 1:1.008
Medium: HSL_2450_190827 Medium parameters used: f = 2437 MHz; σ = 1.777 S/m; ε_r = 39.194; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3124; ConvF(4.49, 4.49, 4.49) @ 2437 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2019/1/3
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (91x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.564 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.10 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.904 W/kg
SAR(1 g) = 0.440 W/kg; SAR(10 g) = 0.209 W/kg
Maximum value of SAR (measured) = 0.569 W/kg



0 dB = 0.569 W/kg = -2.45 dBW/kg

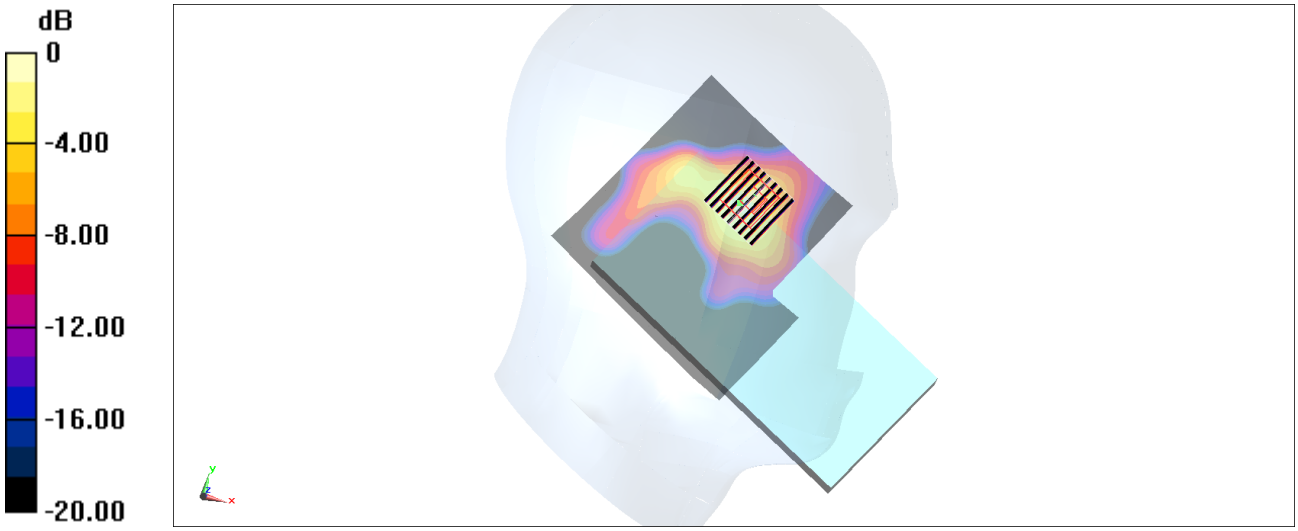
#14_WLAN5GHz_802.11a 6Mbps_Left Cheek_Ch64

Communication System: 802.11a; Frequency: 5320 MHz;Duty Cycle: 1:1.052
Medium: HSL_5G_190826 Medium parameters used: f = 5320 MHz; σ = 4.637 S/m; ε_r = 35.652; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(5.45, 5.45, 5.45) @ 5320 MHz; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Right; Type: SAM; Serial: TP:1681
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.359 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 9.908 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.756 W/kg
SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.069 W/kg
Maximum value of SAR (measured) = 0.462 W/kg



0 dB = 0.462 W/kg = -3.35 dBW/kg

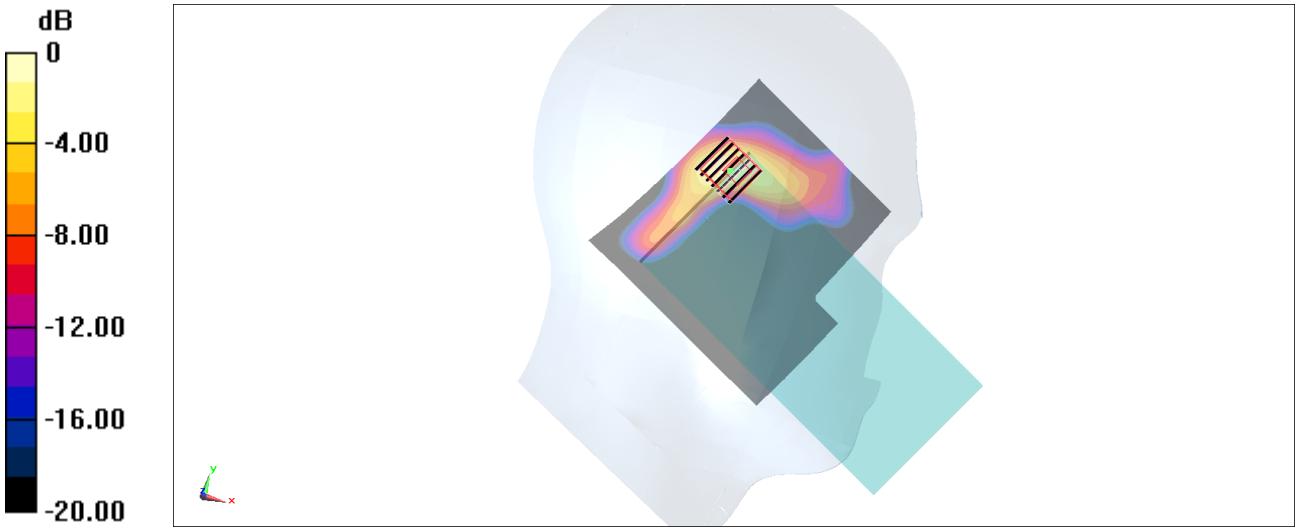
#15_WLAN5GHz_802.11a 6Mbps_Left Tilted_Ch124

Communication System: 802.11a; Frequency: 5620 MHz;Duty Cycle: 1:1.052
Medium: HSL_5G_190826 Medium parameters used : f = 5620 MHz; σ = 4.891 S/m; ε_r = 35.268; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(4.83, 4.83, 4.83) @ 5620 MHz; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Right; Type: SAM; Serial: TP:1681
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.377 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 5.626 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.775 W/kg
SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.060 W/kg
Maximum value of SAR (measured) = 0.477 W/kg



0 dB = 0.477 W/kg = -3.21 dBW/kg

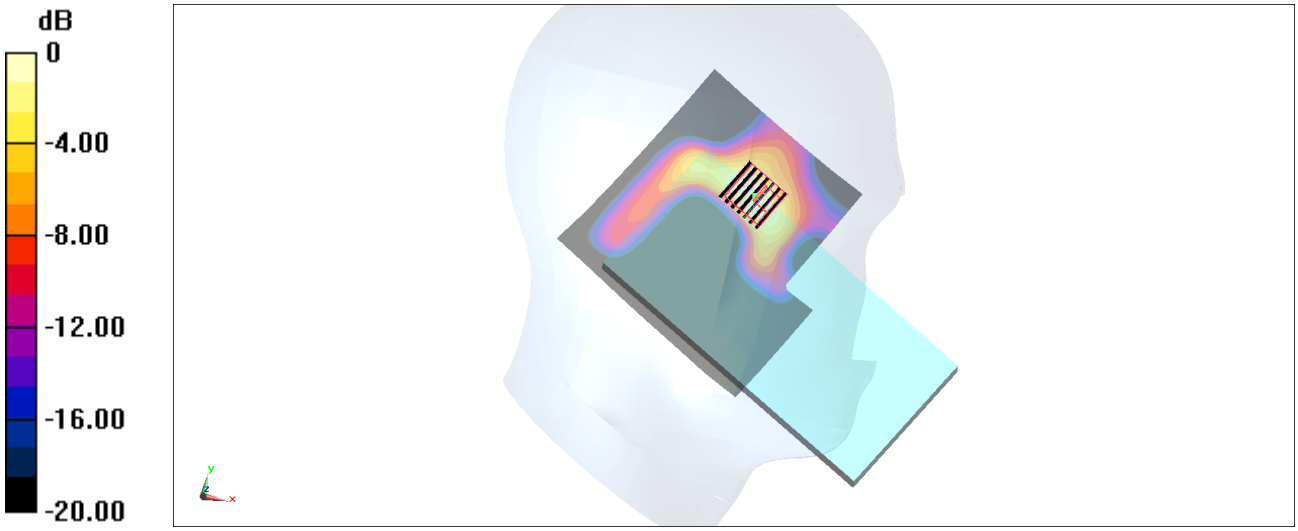
#16_WLAN5GHz_802.11a 6Mbps_Left Cheek_Ch157

Communication System: 802.11a; Frequency: 5785 MHz;Duty Cycle: 1:1.052
Medium: HSL_5G_190826 Medium parameters used : f = 5785 MHz; σ = 5.055 S/m; ε_r = 35.112; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(4.95, 4.95, 4.95) @ 5785 MHz; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Right; Type: SAM; Serial: TP:1681
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.667 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 10.05 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.070 W/kg
Maximum value of SAR (measured) = 0.621 W/kg



0 dB = 0.621 W/kg = -2.07 dBW/kg

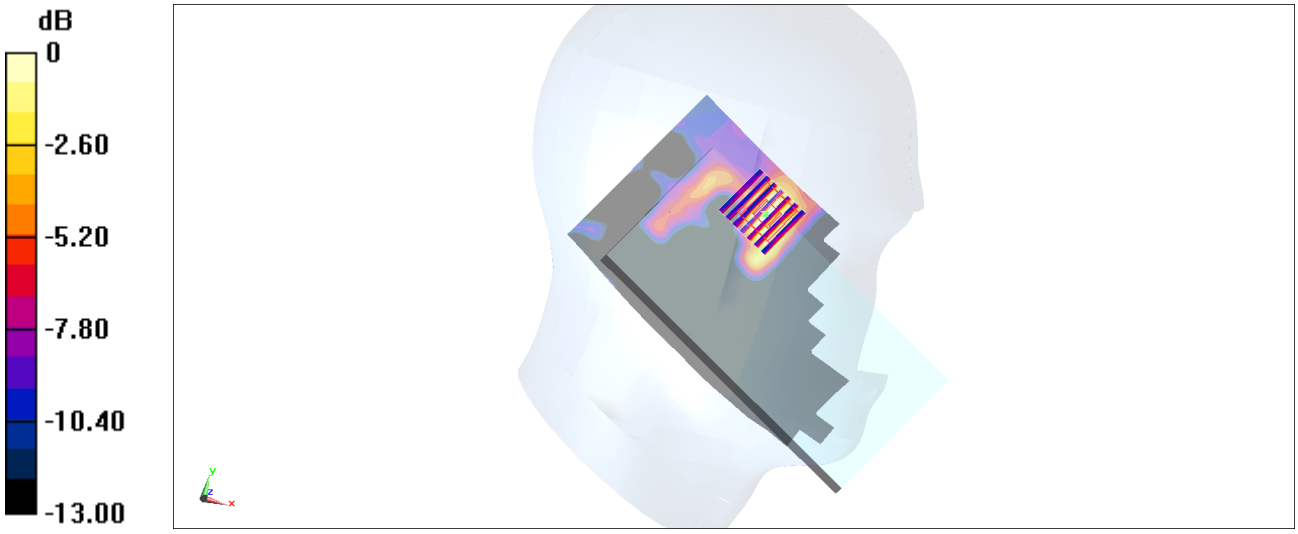
#17_Bluetooth_1Mbps_Left Cheek_Ch39

Communication System: Bluetooth ; Frequency: 2441 MHz;Duty Cycle: 1:1.1.311
Medium: HSL_2450_190827 Medium parameters used : f = 2441 MHz; σ = 1.781 S/m; ε_r = 39.179; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3124; ConvF(4.49, 4.49, 4.49) @ 2441 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2019/1/3
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (91x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0181 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.778 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.0280 W/kg
SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.0067 W/kg
Maximum value of SAR (measured) = 0.0168 W/kg



0 dB = 0.0168 W/kg = -17.75 dBW/kg

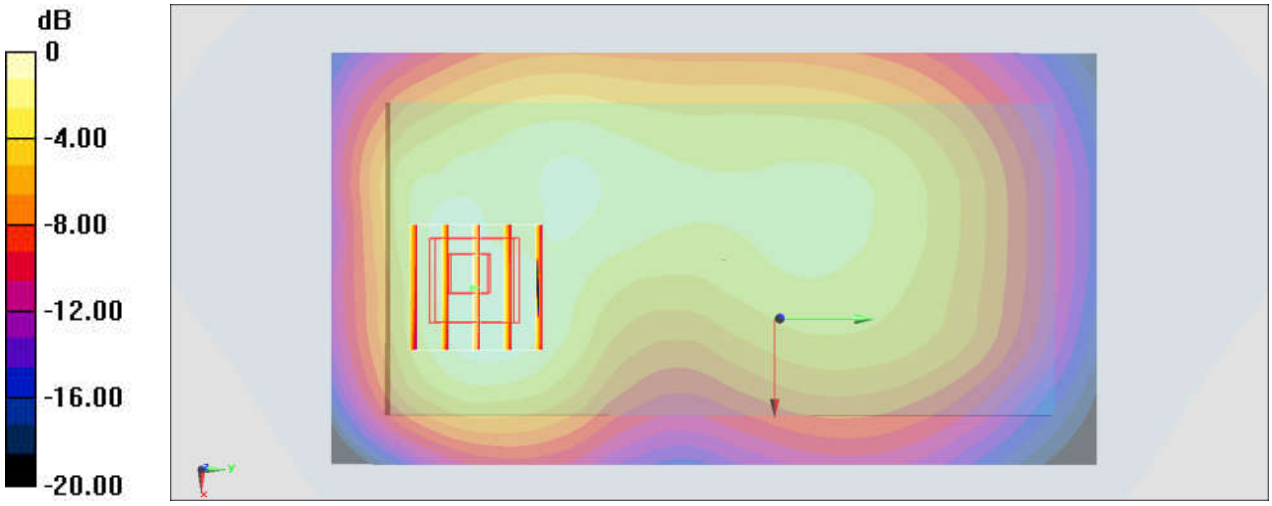
#18_GSM850_GPRS (4 Tx slots)_Back_10mm_Ch189

Communication System: GSM850; Frequency: 836.4 MHz;Duty Cycle: 1:2.08
Medium: HSL_850_190814 Medium parameters used: f = 836.4 MHz; σ = 0.929 S/m; ε_r = 43.133; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39) @ 836.4 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.637 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.08 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.789 W/kg
SAR(1 g) = 0.557 W/kg; SAR(10 g) = 0.359 W/kg
Maximum value of SAR (measured) = 0.645 W/kg



0 dB = 0.645 W/kg = -1.90 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019/8/19

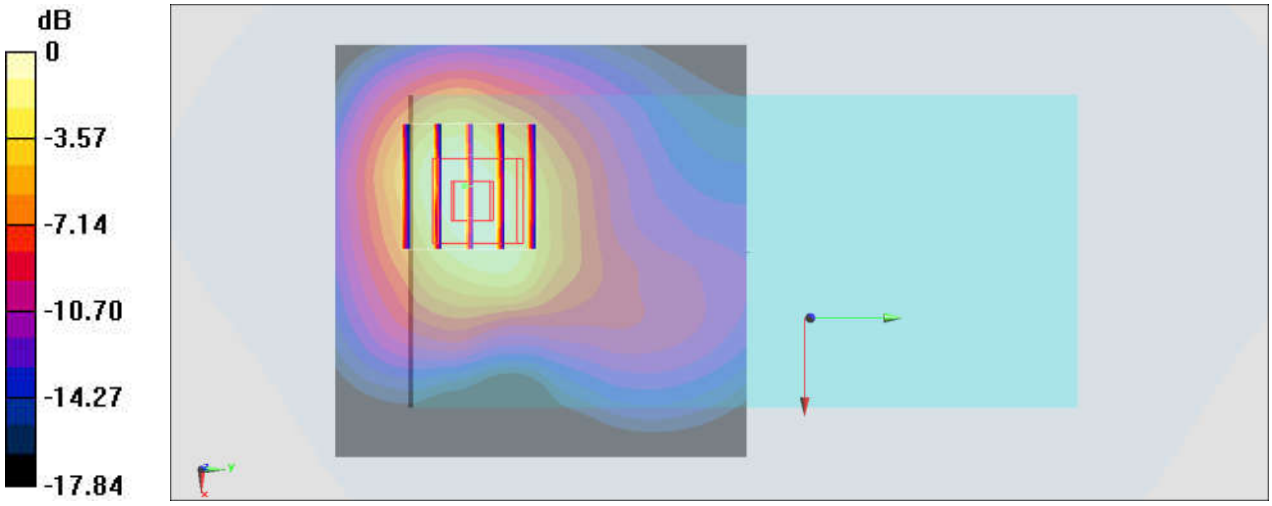
#19_GSM1900_GPRS (4 Tx slots)_Back_10mm_Ch512

Communication System: PCS; Frequency: 1850.2 MHz;Duty Cycle: 1:2.08
Medium: HSL_1900_190819 Medium parameters used : f = 1850.2 MHz; σ = 1.357 S/m; ε_r = 39.314; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1850.2 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- 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) = 0.986 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.05 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 0.805 W/kg; SAR(10 g) = 0.434 W/kg
Maximum value of SAR (measured) = 0.970 W/kg



0 dB = 0.970 W/kg = -0.13 dBW/kg

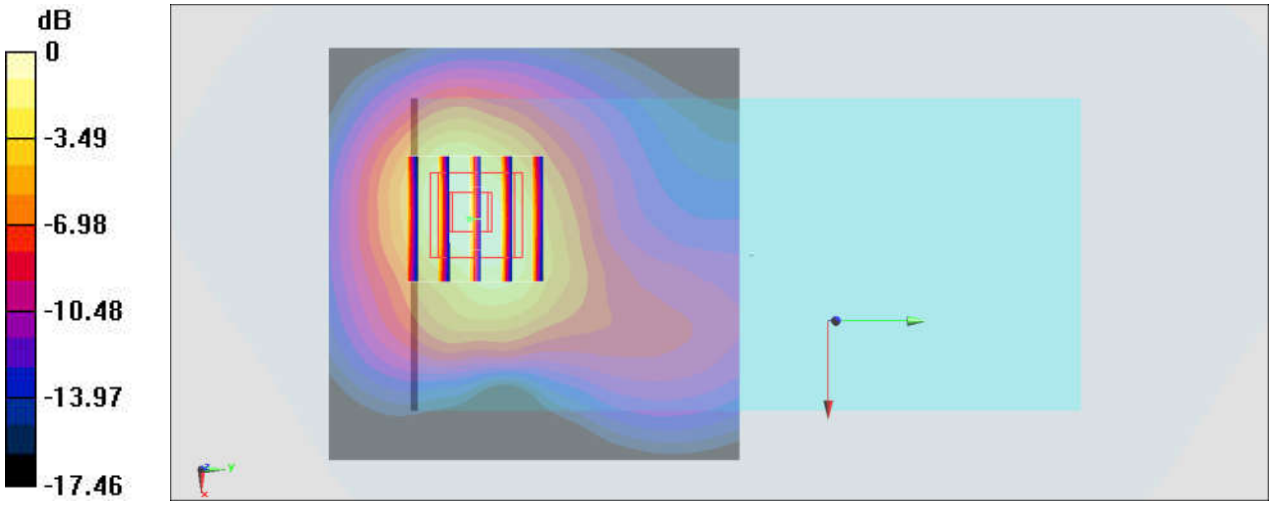
#20_WCDMA II_RMC 12.2Kbps_Back_10mm_Ch9400

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190819 Medium parameters used: f = 1880 MHz; σ = 1.388 S/m; ε_r = 39.185; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1880 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- 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) = 1.11 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.25 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.63 W/kg
SAR(1 g) = 0.903 W/kg; SAR(10 g) = 0.494 W/kg
Maximum value of SAR (measured) = 1.13 W/kg



0 dB = 1.13 W/kg = 0.53 dBW/kg

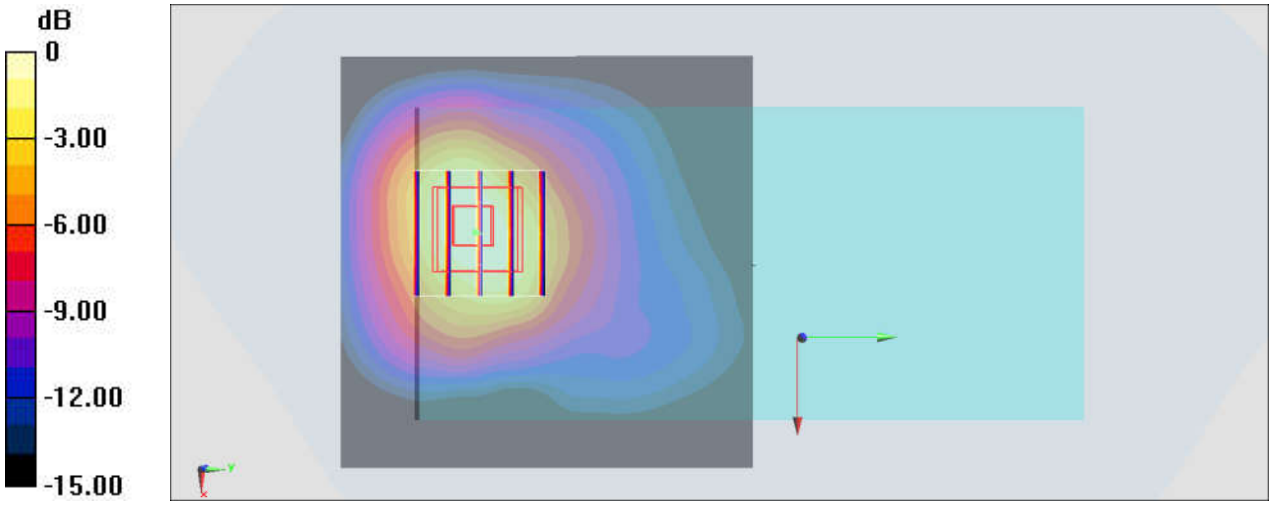
#21_WCDMA IV_RMC 12.2Kbps_Back_10mm_Ch1513

Communication System: WCDMA; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190817 Medium parameters used: f = 1753 MHz; σ = 1.375 S/m; ε_r = 40.757; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(5.42, 5.42, 5.42) @ 1752.6 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- 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) = 1.30 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.456 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.76 W/kg
SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.589 W/kg
Maximum value of SAR (measured) = 1.27 W/kg



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

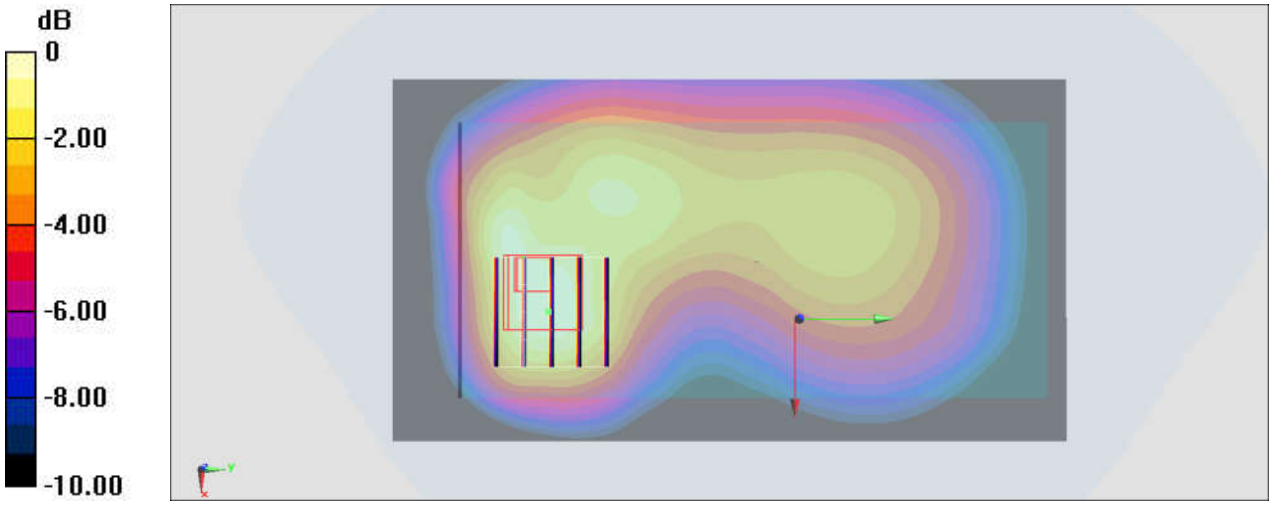
#22_WCDMA V_RMC 12.2Kbps_Back_10mm_Ch4182

Communication System: WCDMA ; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL_850_190814 Medium parameters used: f = 836.4 MHz; σ = 0.929 S/m; ε_r = 43.133; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39) @ 836.4 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.457 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.17 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.590 W/kg
SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.258 W/kg
Maximum value of SAR (measured) = 0.470 W/kg



0 dB = 0.470 W/kg = -3.28 dBW/kg

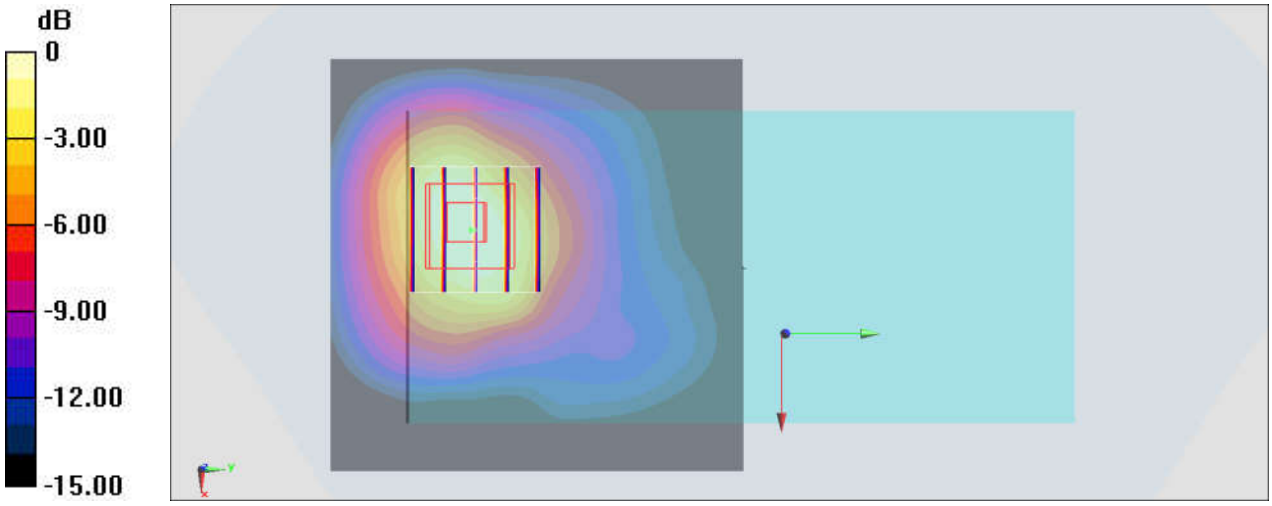
#23_LTE Band 4_20M_QPSK_50_24_Back_10mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190817 Medium parameters used: f = 1733 MHz; σ = 1.355 S/m; ε_r = 40.823; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(5.42, 5.42, 5.42) @ 1732.5 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- 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) = 1.10 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.540 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.47 W/kg
SAR(1 g) = 0.868 W/kg; SAR(10 g) = 0.497 W/kg
Maximum value of SAR (measured) = 1.05 W/kg



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

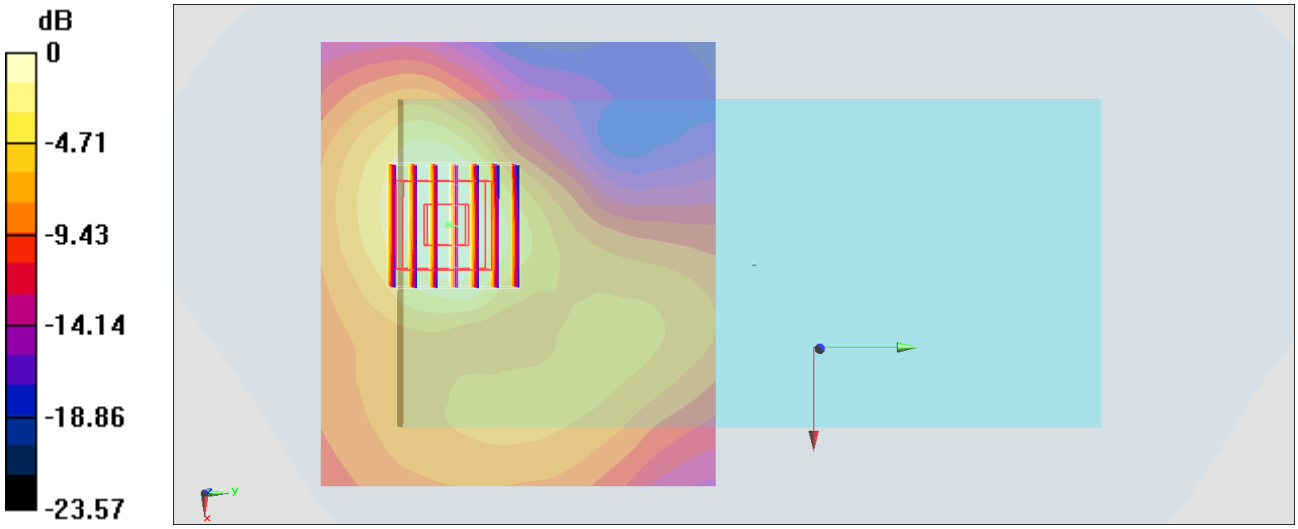
#24_LTE Band 7_20M_QPSK_1_0_Front_10mm_Ch20850

Communication System: LTE; Frequency: 2510 MHz;Duty Cycle: 1:1
Medium: HSL_2600_190810 Medium parameters used: f = 2510 MHz; σ = 1.895 S/m; ε_r = 39.825; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(7.37, 7.37, 7.37) @ 2510 MHz; Calibrated: 2018/10/3
- 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 (91x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.30 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 26.38 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 0.822 W/kg; SAR(10 g) = 0.438 W/kg
Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.25 W/kg = 0.97 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019/8/16

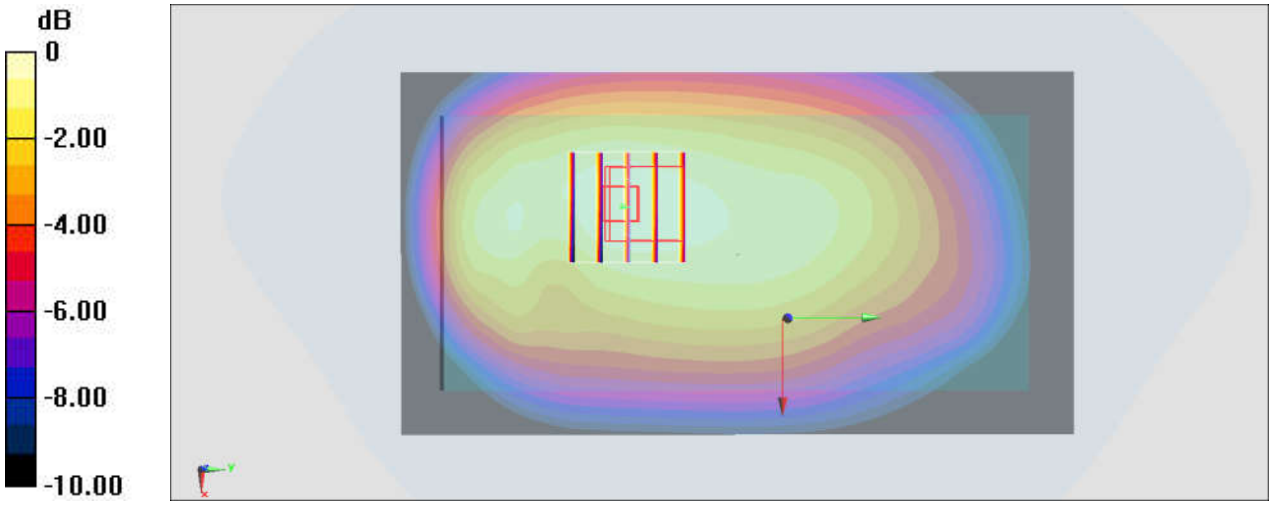
#25_LTE Band 12_10M_QPSK_1_0_Back_10mm_Ch23095

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: HSL_750_190816 Medium parameters used: f = 707.5 MHz; σ = 0.853 S/m; ε_r = 43.58; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.56, 6.56, 6.56) @ 707.5 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.315 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.83 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.369 W/kg
SAR(1 g) = 0.287 W/kg; SAR(10 g) = 0.216 W/kg
Maximum value of SAR (measured) = 0.316 W/kg



0 dB = 0.316 W/kg = -5.00 dBW/kg

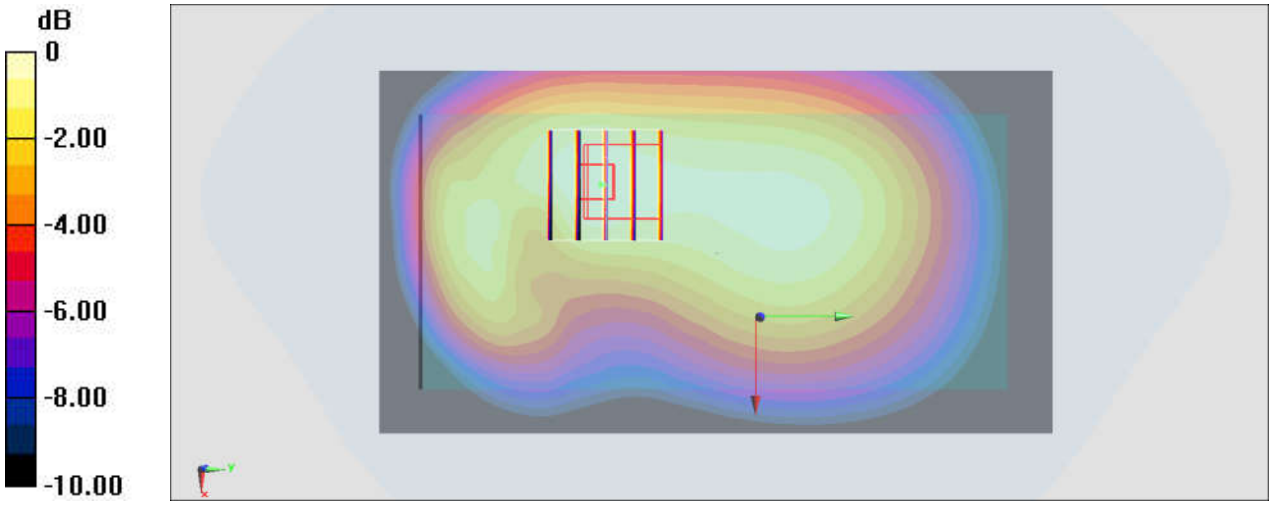
#26_LTE Band 13_10M_QPSK_1_49_Back_10mm_Ch23230

Communication System: LTE ; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: HSL_750_190816 Medium parameters used: f = 782 MHz; σ = 0.923 S/m; ε_r = 42.507; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.56, 6.56, 6.56) @ 782 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.489 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.33 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.583 W/kg
SAR(1 g) = 0.431 W/kg; SAR(10 g) = 0.310 W/kg
Maximum value of SAR (measured) = 0.482 W/kg



0 dB = 0.482 W/kg = -3.17 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019/8/19

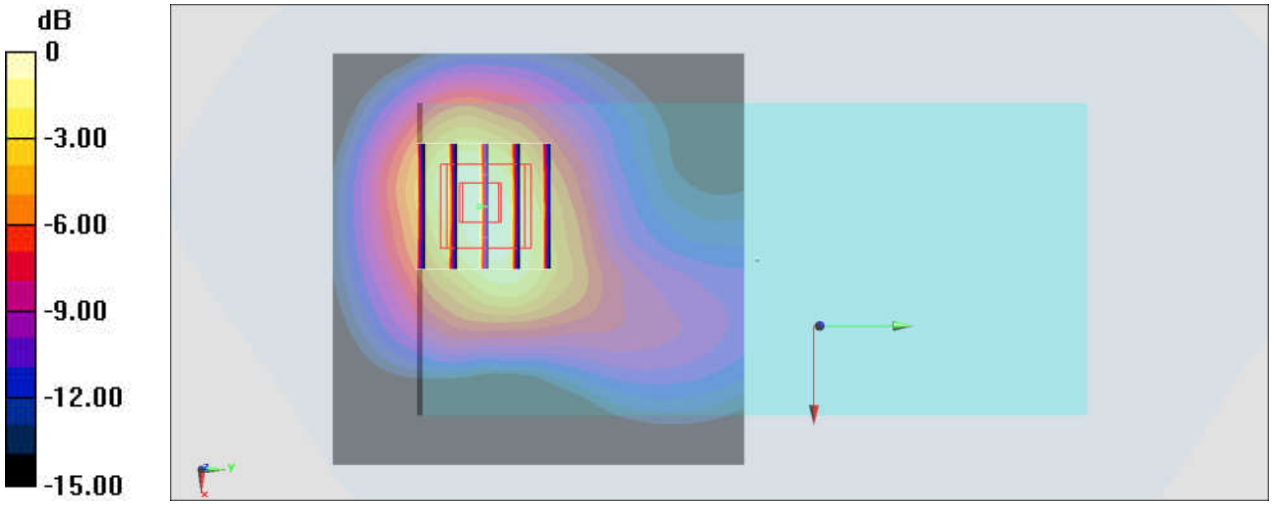
#27_LTE Band 25_20M_QPSK_50_24_Back_10mm_Ch26590

Communication System: LTE; Frequency: 1905 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190819 Medium parameters used: f = 1905 MHz; σ = 1.415 S/m; ε_r = 39.066; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1905 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- 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) = 0.993 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.03 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 0.825 W/kg; SAR(10 g) = 0.451 W/kg
Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg = 0.13 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019/8/14

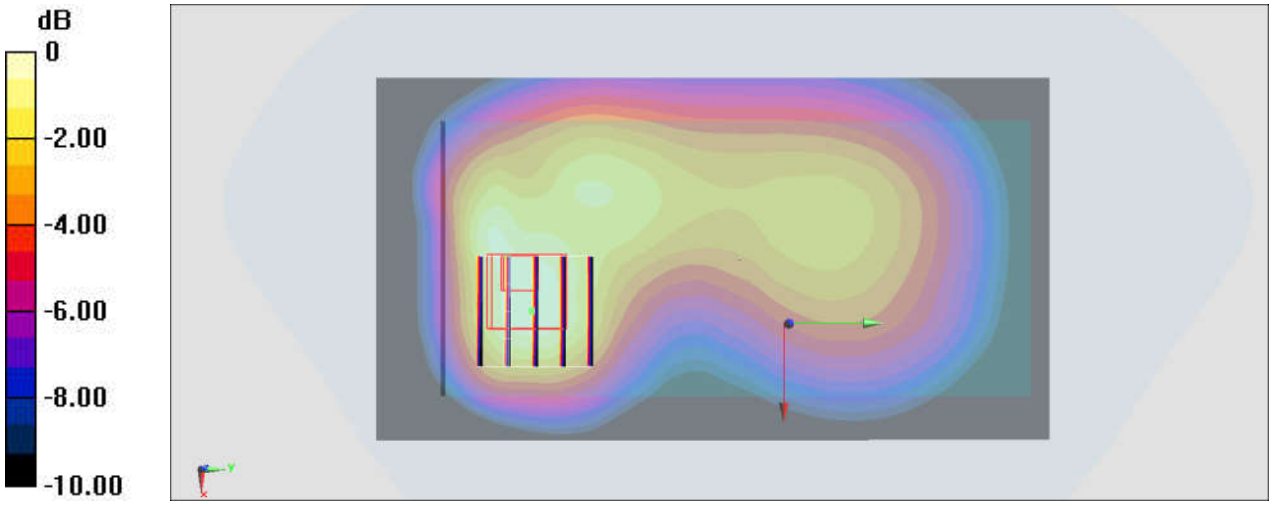
#28_LTE Band 26_15M_QPSK_1_74_Back_10mm_Ch26865

Communication System: LTE ; Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium: HSL_850_190814 Medium parameters used: f = 831.5 MHz; σ = 0.923 S/m; ε_r = 43.112; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39) @ 831.5 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.451 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.16 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.578 W/kg
SAR(1 g) = 0.395 W/kg; SAR(10 g) = 0.254 W/kg
Maximum value of SAR (measured) = 0.459 W/kg



0 dB = 0.459 W/kg = -3.38 dBW/kg

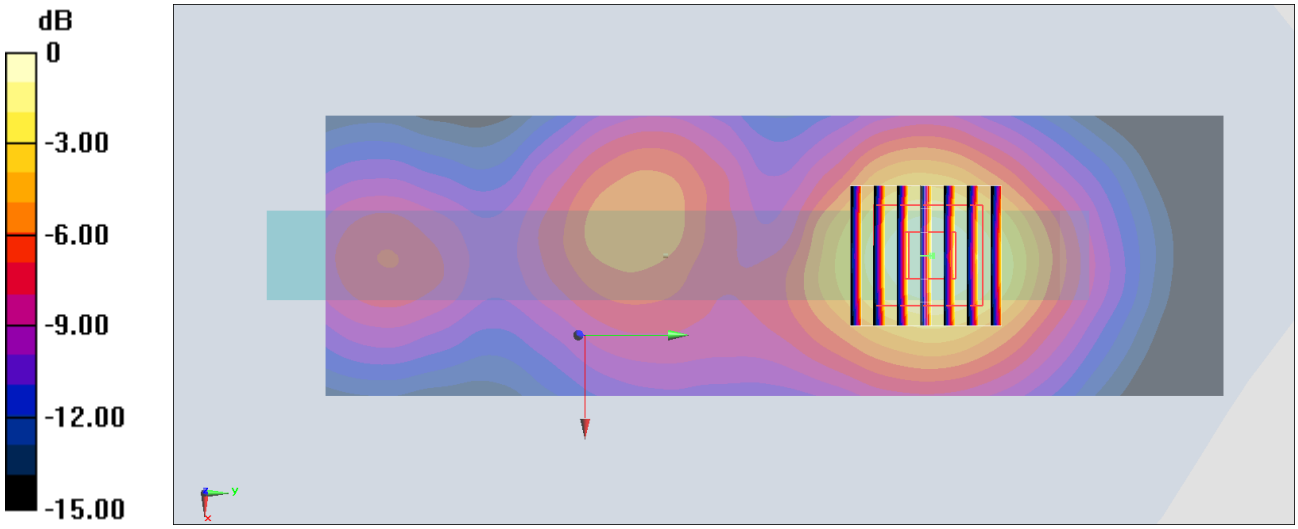
#29_LTE Band 30_10M_QPSK_1_0_Right Side_10mm_Ch27710

Communication System: LTE; Frequency: 2310 MHz;Duty Cycle: 1:1
Medium: HSL_2300_190909 Medium parameters used: f = 2310 MHz; σ = 1.675 S/m; ε_r = 38.448; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(7.86, 7.86, 7.86) @ 2310 MHz; Calibrated: 2018/10/3
- 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 (51x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.963 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 23.93 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.09 W/kg
SAR(1 g) = 0.607 W/kg; SAR(10 g) = 0.327 W/kg
Maximum value of SAR (measured) = 0.918 W/kg



0 dB = 0.918 W/kg = -0.37 dBW/kg

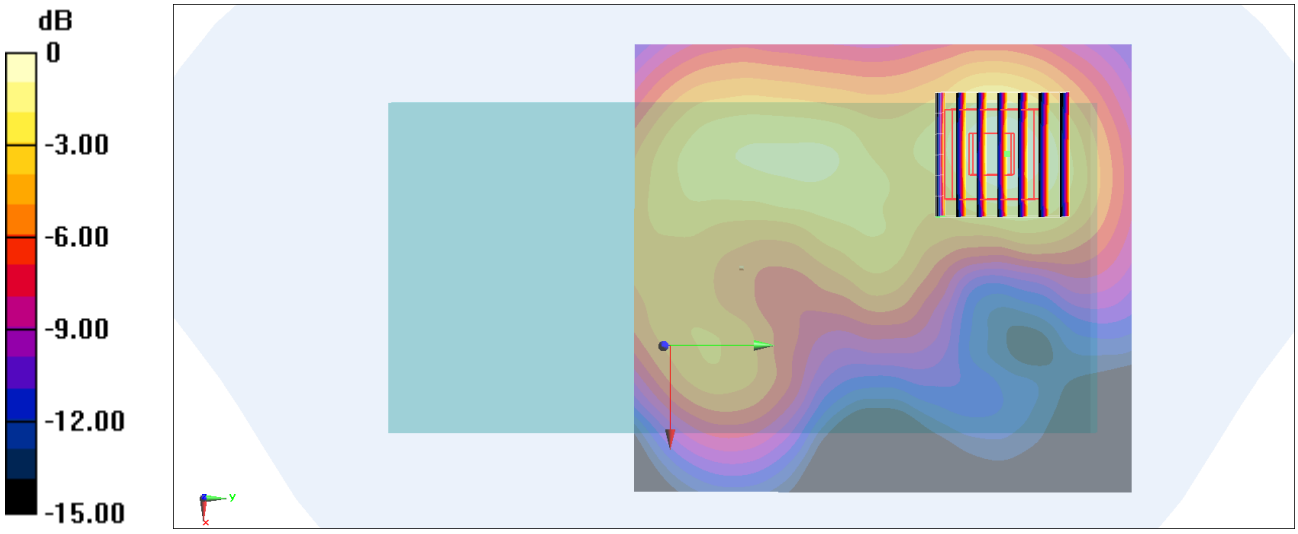
#30_WLAN2.4GHz_802.11b 1Mbps_Back_10mm_Ch11

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1.008
Medium: HSL_2450_190827 Medium parameters used: f = 2462 MHz; σ = 1.806 S/m; ε_r = 39.106; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3124; ConvF(4.49, 4.49, 4.49) @ 2462 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2019/1/3
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (91x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.461 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.84 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.648 W/kg
SAR(1 g) = 0.371 W/kg; SAR(10 g) = 0.200 W/kg
Maximum value of SAR (measured) = 0.460 W/kg



0 dB = 0.460 W/kg = -3.37 dBW/kg

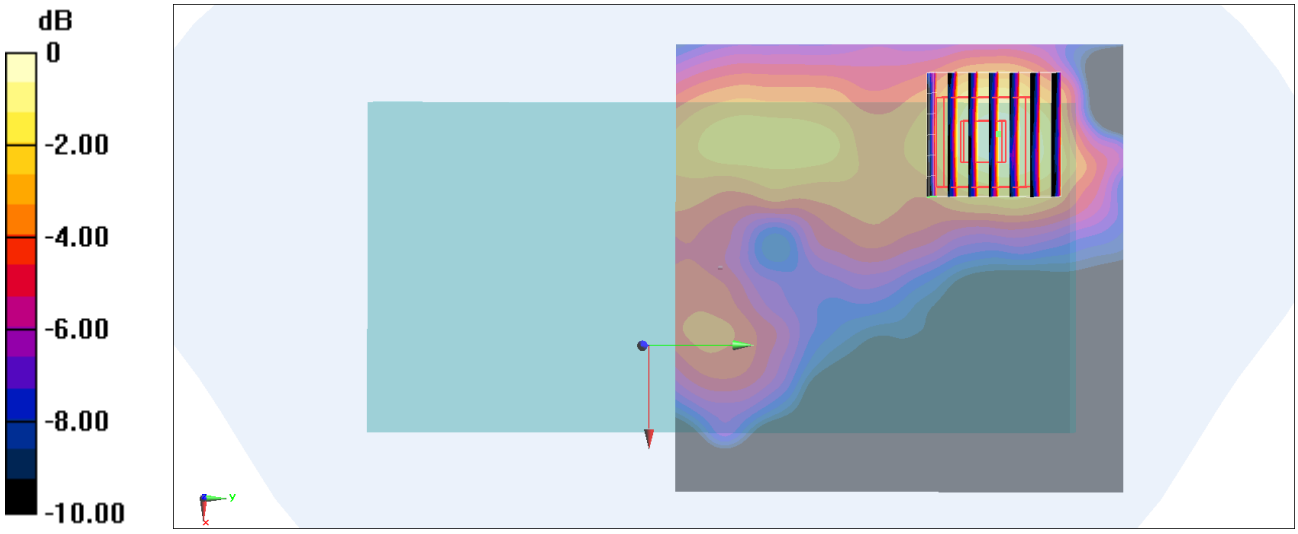
#31_Bluetooth_1Mbps_Back_10mm_Ch39

Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1.311
Medium: HSL_2450_190827 Medium parameters used : f = 2441 MHz; σ = 1.781 S/m; ε_r = 39.179; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3124; ConvF(4.49, 4.49, 4.49) @ 2441 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2019/1/3
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (91x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0184 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.789 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.0290 W/kg
SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00897 W/kg
Maximum value of SAR (measured) = 0.0192 W/kg



0 dB = 0.0192 W/kg = -17.17 dBW/kg

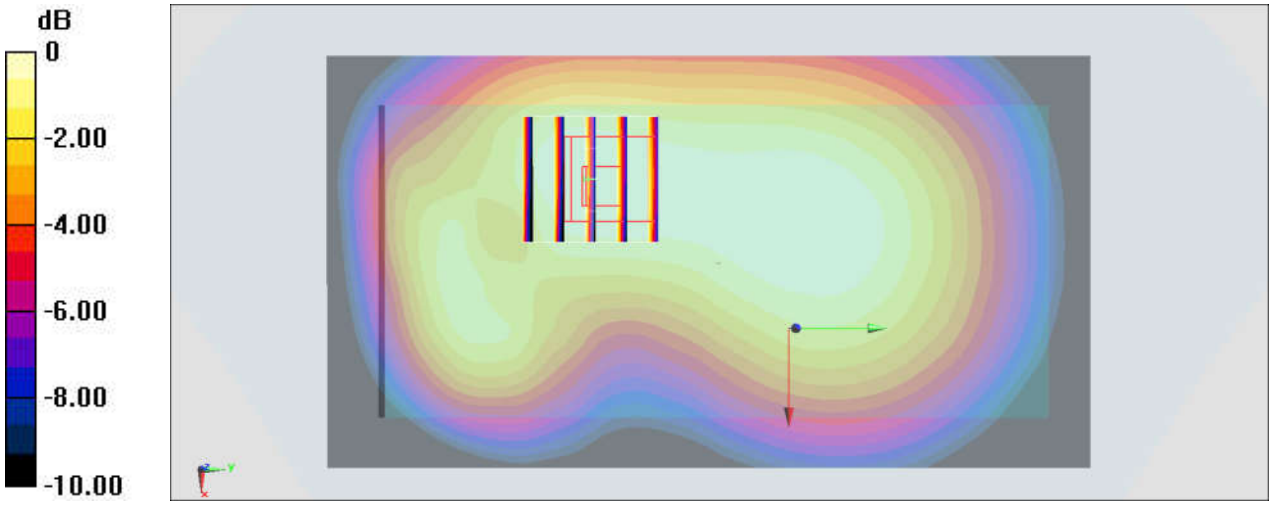
#32_GSM850_GPRS (4 Tx slots)_Back_15mm_Ch128

Communication System: GSM850; Frequency: 824.2 MHz;Duty Cycle: 1:2.08
Medium: HSL_850_190814 Medium parameters used: f = 824.2 MHz; σ = 0.918 S/m; ε_r = 43.286; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39) @ 824.2 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.384 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.96 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.449 W/kg
SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.230 W/kg
Maximum value of SAR (measured) = 0.365 W/kg



0 dB = 0.365 W/kg = -4.38 dBW/kg

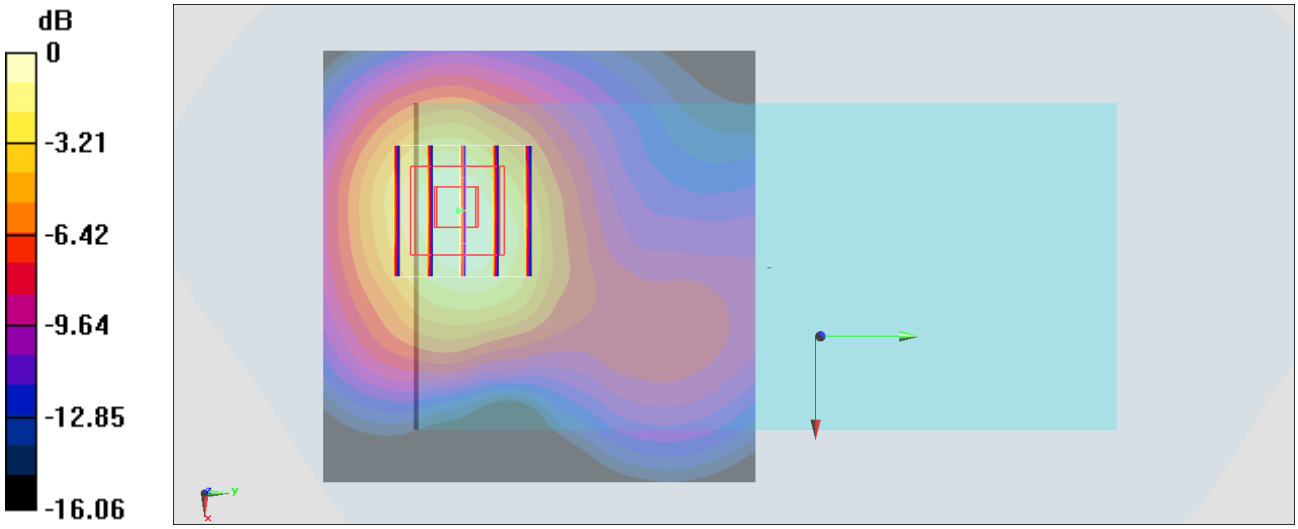
#33_GSM1900_GPRS (4 Tx slots)_Back_15mm_Ch512

Communication System: PCS; Frequency: 1850.2 MHz;Duty Cycle: 1:2.08
Medium: HSL_1900_190811 Medium parameters used : f = 1850.2 MHz; σ = 1.37 S/m; ε_r = 40.983; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(8.33, 8.33, 8.33) @ 1850.2 MHz; Calibrated: 2018/10/3
- 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 (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.25 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.86 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.47 W/kg
SAR(1 g) = 0.864 W/kg; SAR(10 g) = 0.496 W/kg
Maximum value of SAR (measured) = 1.26 W/kg



0 dB = 1.26 W/kg = 1.00 dBW/kg

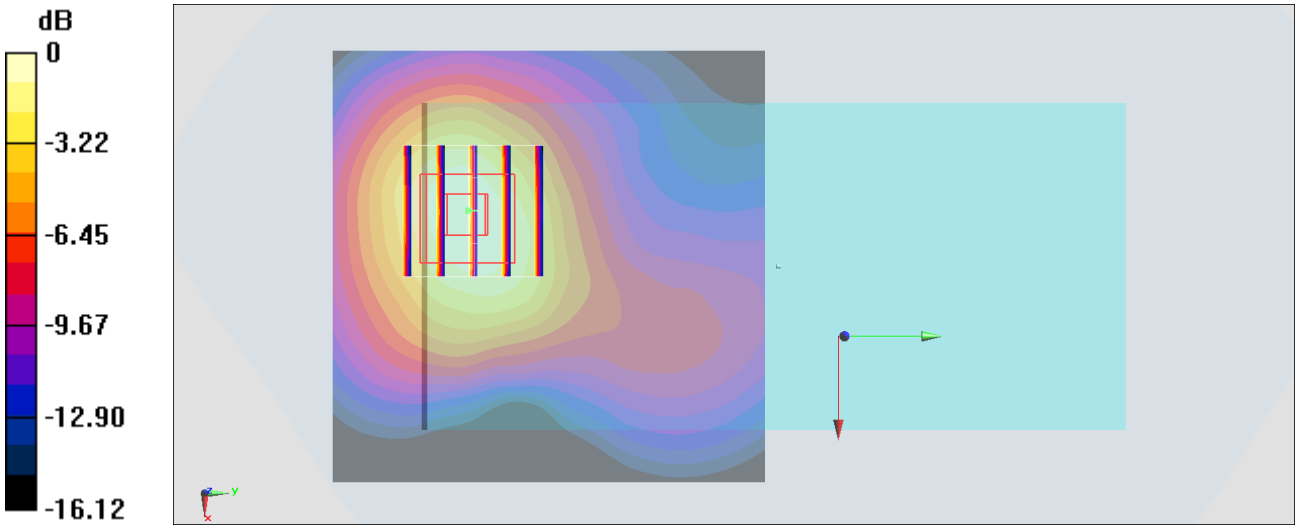
#34_WCDMA II_RMC 12.2Kbps_Back_15mm_Ch9400

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190811 Medium parameters used: f = 1880 MHz; σ = 1.396 S/m; ε_r = 40.879; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(8.33, 8.33, 8.33) @ 1880 MHz; Calibrated: 2018/10/3
- 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 (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.60 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.48 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.89 W/kg
SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.633 W/kg
Maximum value of SAR (measured) = 1.60 W/kg



0 dB = 1.60 W/kg = 2.04 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019/8/17

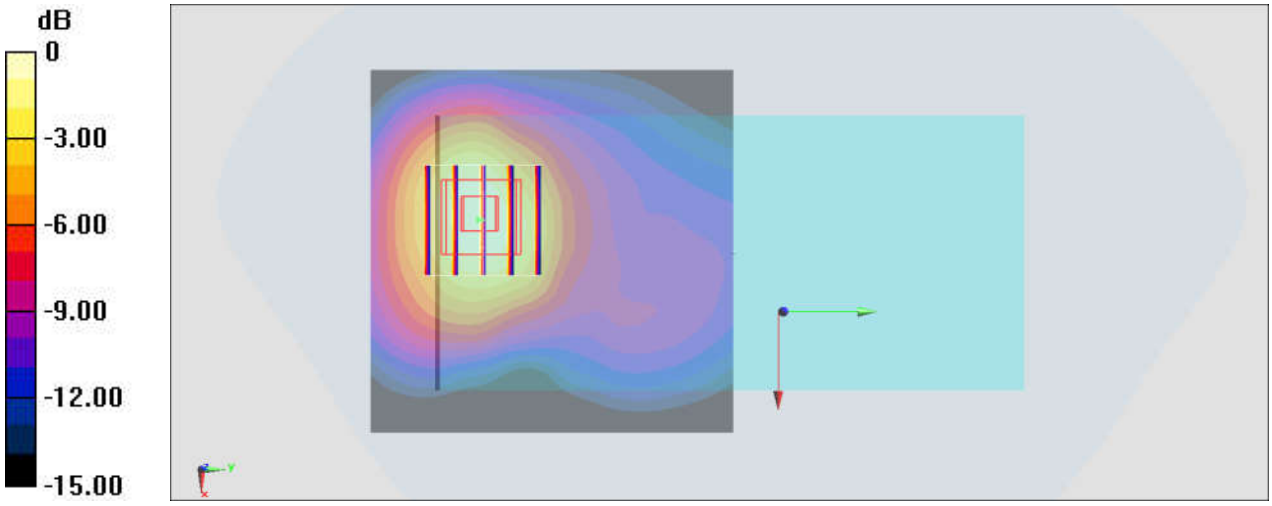
#35_WCDMA IV_RMC 12.2Kbps_Back_15mm_Ch1513;Headset

Communication System: WCDMA ; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190817 Medium parameters used: f = 1753 MHz; σ = 1.375 S/m; ε_r = 40.757; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(5.42, 5.42, 5.42) @ 1752.6 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- 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) = 1.42 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.33 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.92 W/kg
SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.692 W/kg
Maximum value of SAR (measured) = 1.43 W/kg



0 dB = 1.43 W/kg = 1.55 dBW/kg

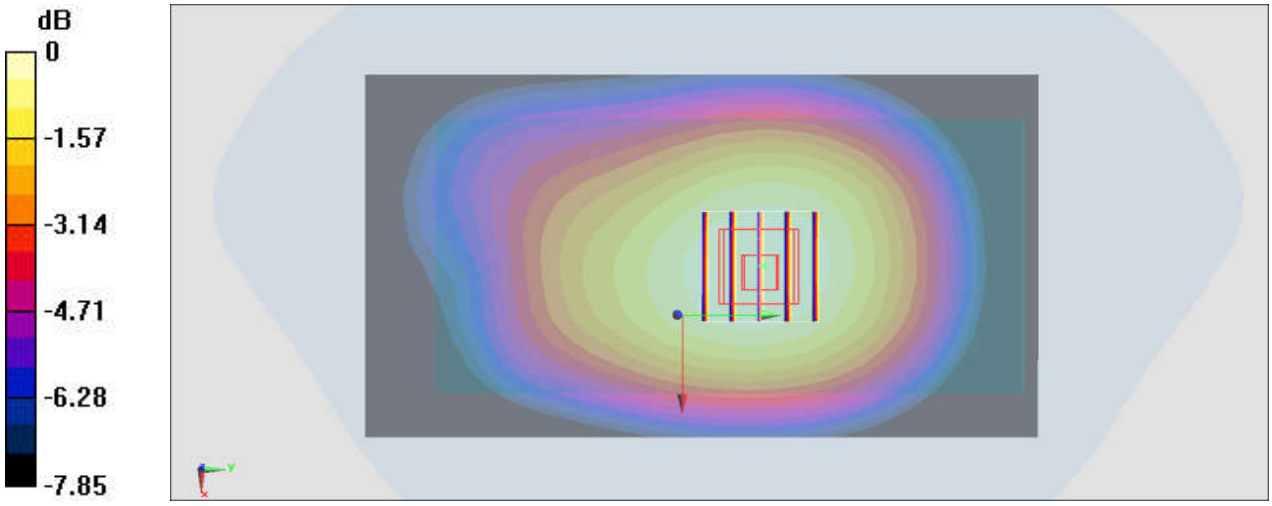
#36_WCDMA V_RMC 12.2Kbps_Front_15mm_Ch4132

Communication System: WCDMA ; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: HSL_850_190814 Medium parameters used: f = 826.4 MHz; σ = 0.923 S/m; ε_r = 43.236; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39) @ 826.4 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.355 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.32 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.403 W/kg
SAR(1 g) = 0.320 W/kg; SAR(10 g) = 0.243 W/kg
Maximum value of SAR (measured) = 0.352 W/kg



0 dB = 0.352 W/kg = -4.53 dBW/kg

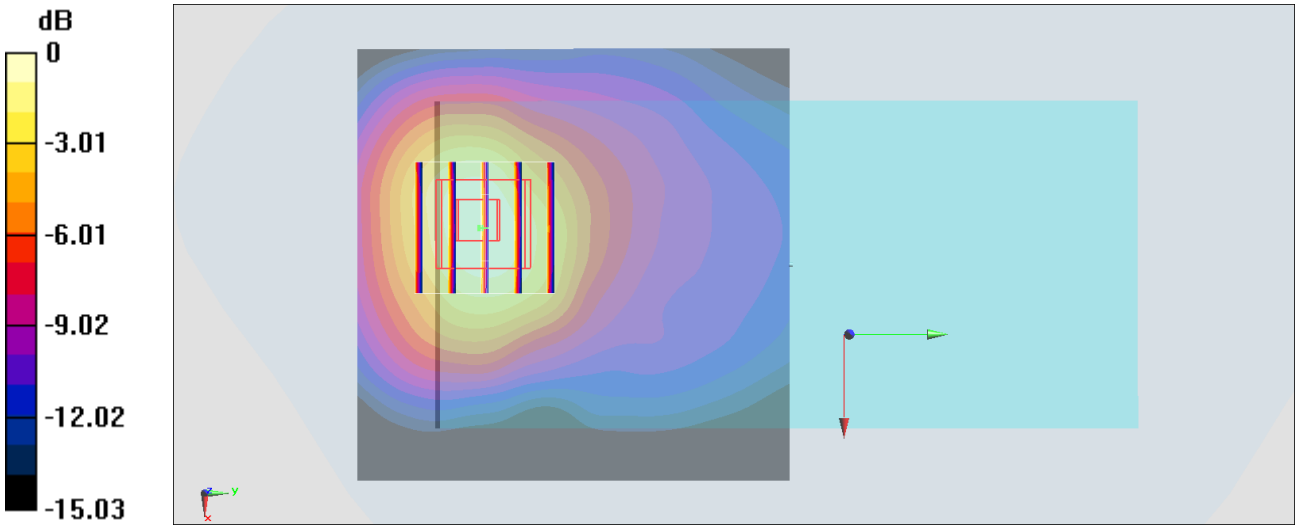
#37_LTE Band 4_20M_QPSK_1_0_Back_15mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190812 Medium parameters used: f = 1733 MHz; σ = 1.359 S/m; ε_r = 40.944; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(8.65, 8.65, 8.65) @ 1732.5 MHz; Calibrated: 2018/10/3
- 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 (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.30 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.33 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.934 W/kg; SAR(10 g) = 0.550 W/kg
Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.32 W/kg = 1.21 dBW/kg

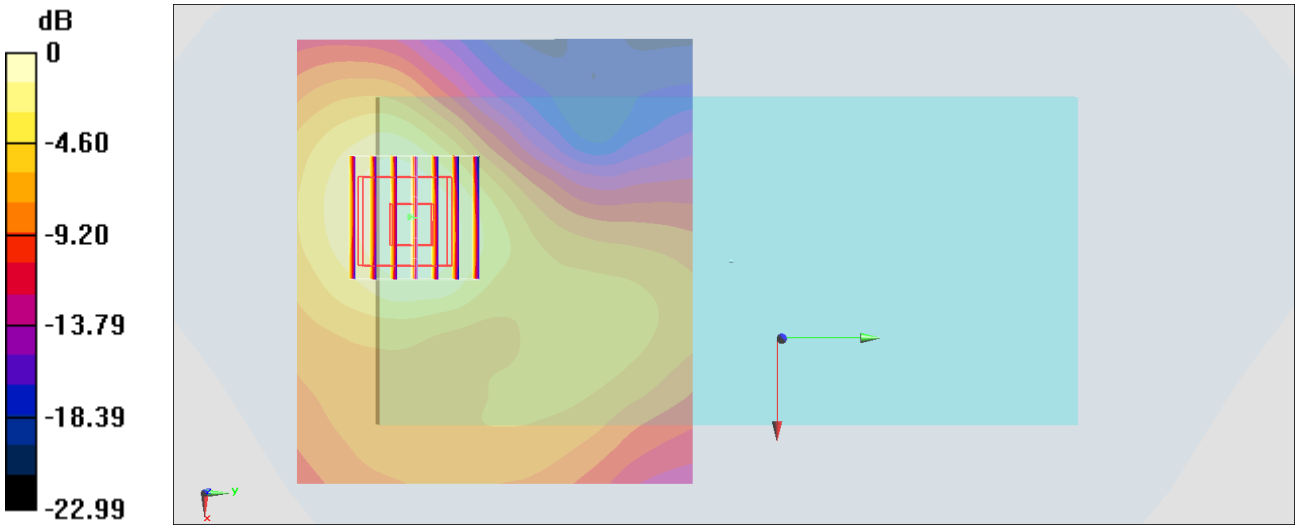
#38_LTE Band 7_20M_QPSK_1_0_Front_15mm_Ch20850

Communication System: LTE; Frequency: 2510 MHz;Duty Cycle: 1:1
Medium: HSL_2600_190810 Medium parameters used: f = 2510 MHz; σ = 1.895 S/m; ε_r = 39.825; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(7.37, 7.37, 7.37) @ 2510 MHz; Calibrated: 2018/10/3
- 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 (91x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.819 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.25 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.956 W/kg
SAR(1 g) = 0.535 W/kg; SAR(10 g) = 0.294 W/kg
Maximum value of SAR (measured) = 0.798 W/kg



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

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019/8/16

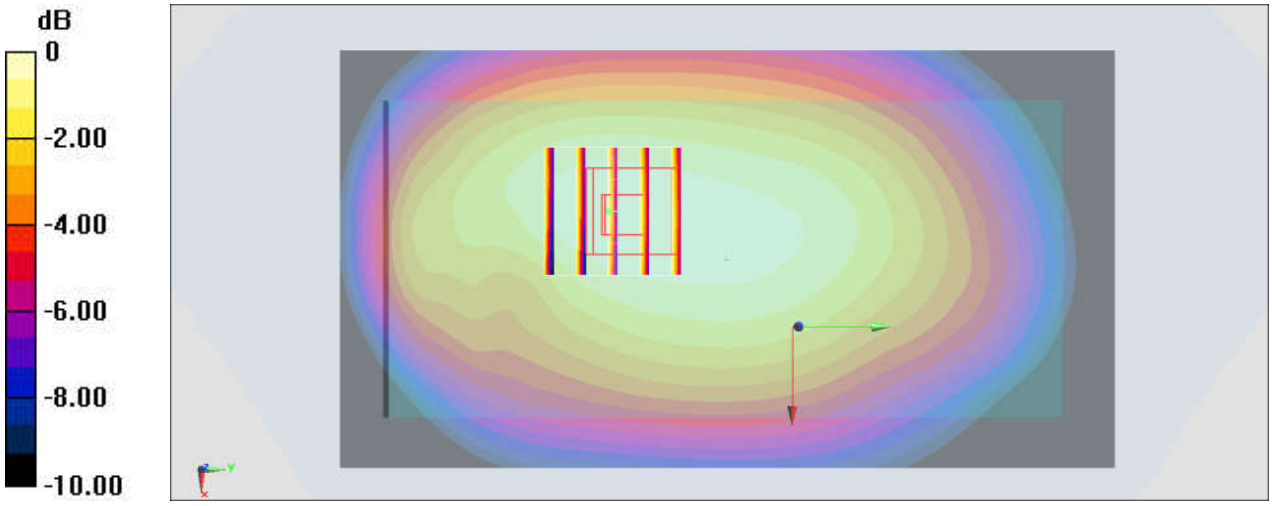
#39_LTE Band 12_10M_QPSK_1_0_Back_15mm_Ch23095

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: HSL_750_190816 Medium parameters used: f = 707.5 MHz; σ = 0.853 S/m; ε_r = 43.58; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.56, 6.56, 6.56) @ 707.5 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.214 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.43 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.246 W/kg
SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.150 W/kg
Maximum value of SAR (measured) = 0.216 W/kg



0 dB = 0.216 W/kg = -6.66 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019/8/16

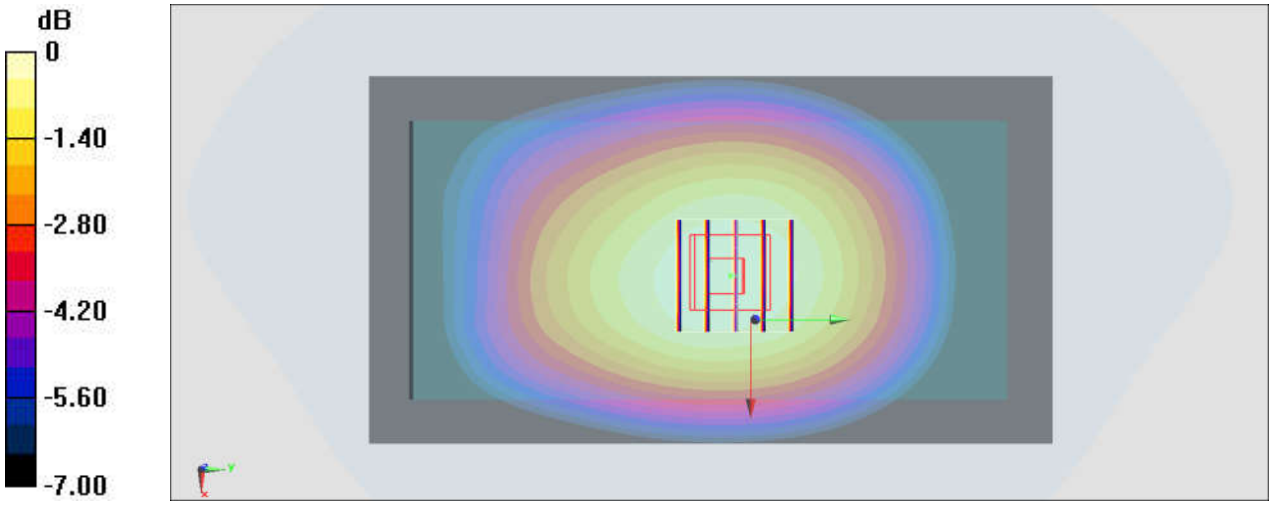
#40_LTE Band 13_10M_QPSK_1_49_Front_15mm_Ch23230

Communication System: LTE ; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: HSL_750_190816 Medium parameters used: f = 782 MHz; σ = 0.923 S/m; ε_r = 42.507; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.56, 6.56, 6.56) @ 782 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.395 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.84 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.444 W/kg
SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.278 W/kg
Maximum value of SAR (measured) = 0.394 W/kg



0 dB = 0.394 W/kg = -4.05 dBW/kg

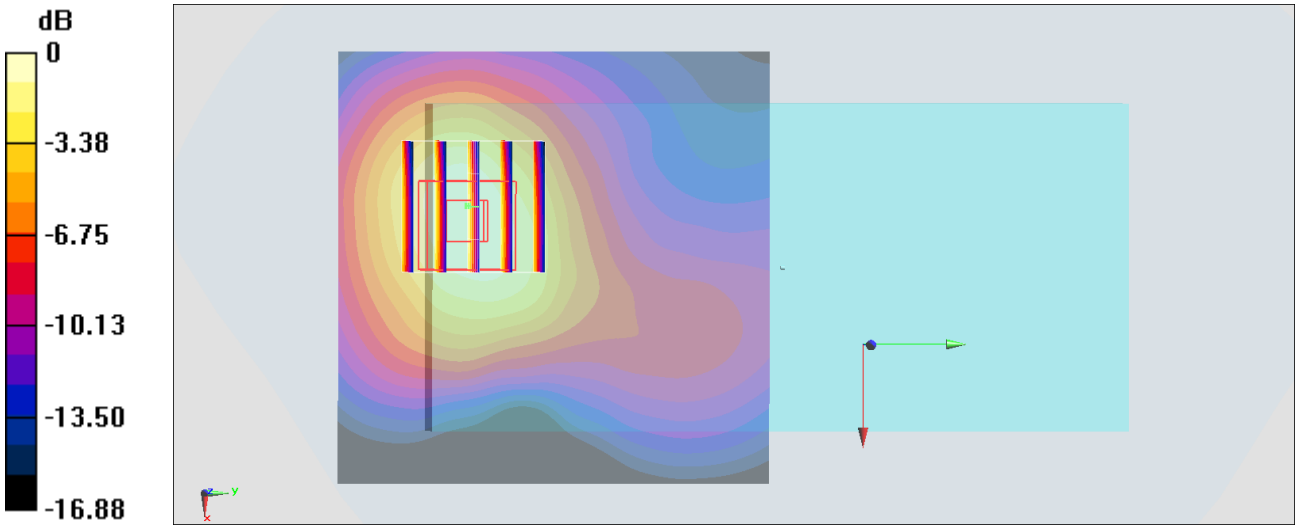
#41_LTE Band 25_20M_QPSK_1_0_Back_15mm_Ch26590

Communication System: LTE; Frequency: 1905 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190811 Medium parameters used : f = 1905 MHz; σ = 1.421 S/m; ε_r = 40.778; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(8.33, 8.33, 8.33) @ 1905 MHz; Calibrated: 2018/10/3
- 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 (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.48 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.31 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.75 W/kg
SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.583 W/kg
Maximum value of SAR (measured) = 1.43 W/kg



0 dB = 1.43 W/kg = 1.55 dBW/kg

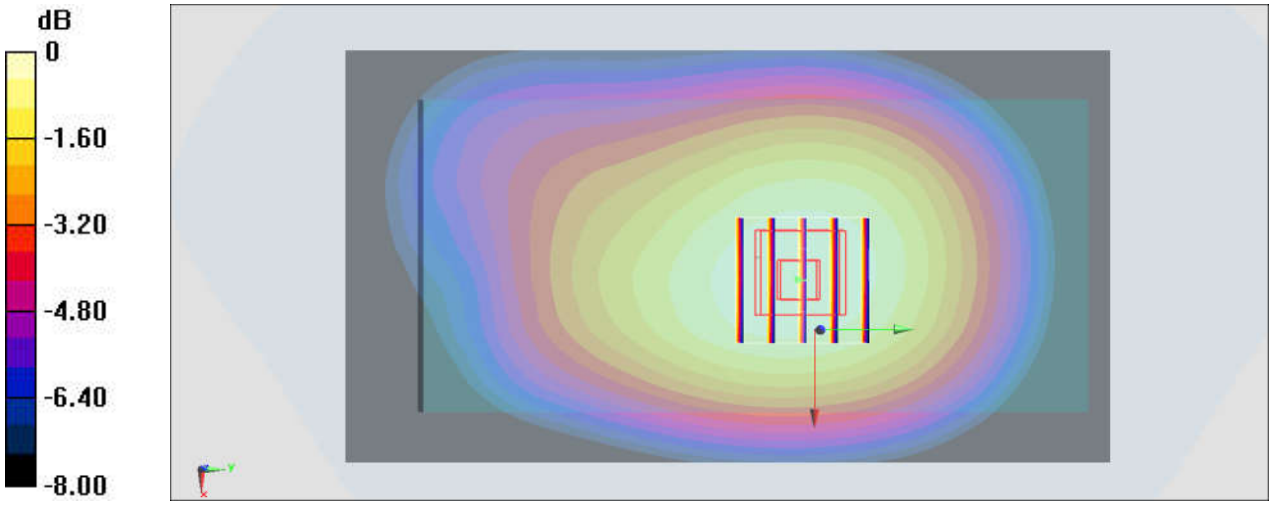
#42_LTE Band 26_15M_QPSK_1_74_Front_15mm_Ch26865

Communication System: LTE ; Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium: HSL_850_190814 Medium parameters used: f = 831.5 MHz; σ = 0.923 S/m; ε_r = 43.112; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39) @ 831.5 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.306 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.61 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.350 W/kg
SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.209 W/kg
Maximum value of SAR (measured) = 0.305 W/kg



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

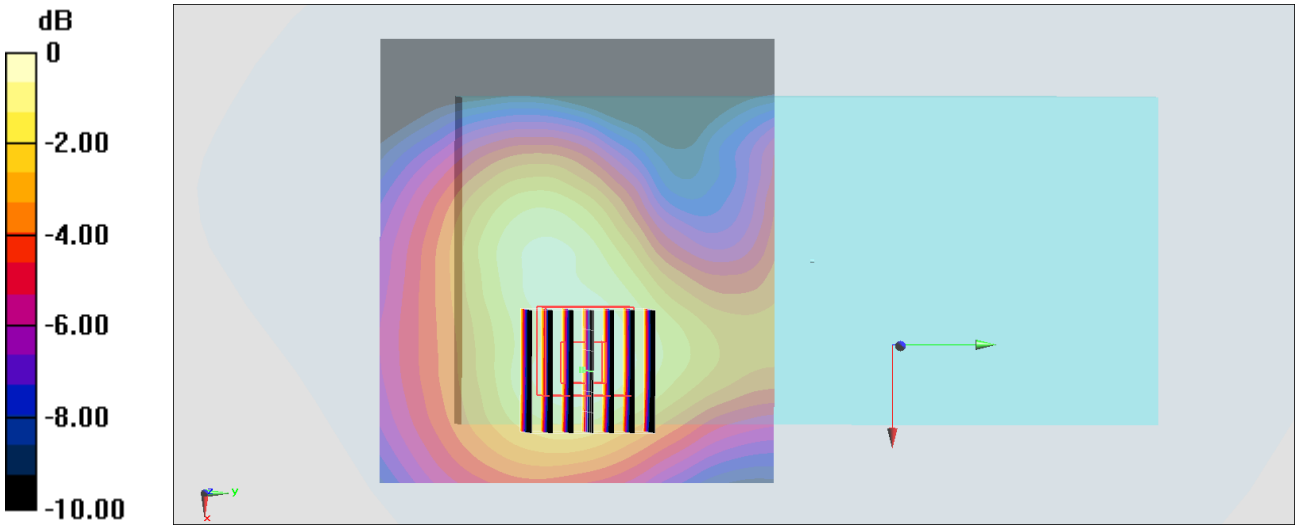
#43_LTE Band 30_10M_QPSK_1_0_Front_15mm_Ch27710

Communication System: LTE; Frequency: 2310 MHz;Duty Cycle: 1:1
Medium: HSL_2300_190909 Medium parameters used: f = 2310 MHz; σ = 1.675 S/m; ε_r = 38.448; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(7.86, 7.86, 7.86) @ 2310 MHz; Calibrated: 2018/10/3
- 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 (91x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.360 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.45 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.416 W/kg
SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.148 W/kg
Maximum value of SAR (measured) = 0.355 W/kg



0 dB = 0.355 W/kg = -4.50 dBW/kg

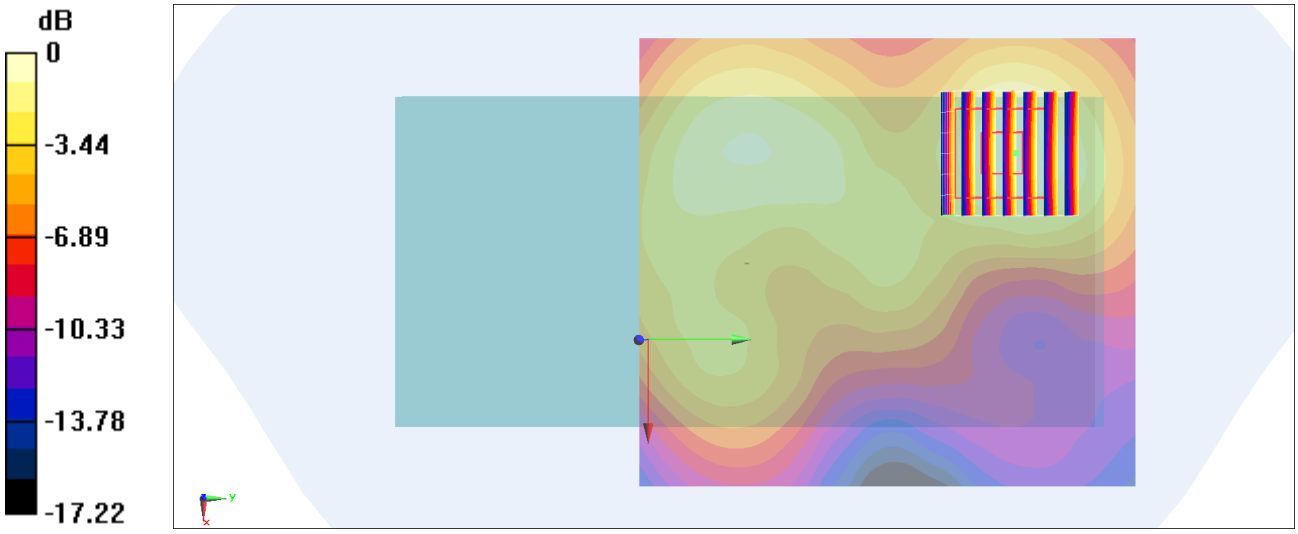
#44_WLAN2.4GHz_802.11b 1Mbps_Back_15mm_Ch11

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1.008
Medium: HSL_2450_190827 Medium parameters used: f = 2462 MHz; σ = 1.806 S/m; ε_r = 39.106; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3124; ConvF(4.49, 4.49, 4.49) @ 2462 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2019/1/3
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (91x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.280 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.98 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.381 W/kg
SAR(1 g) = 0.224 W/kg; SAR(10 g) = 0.125 W/kg
Maximum value of SAR (measured) = 0.272 W/kg



0 dB = 0.272 W/kg = -5.65 dBW/kg

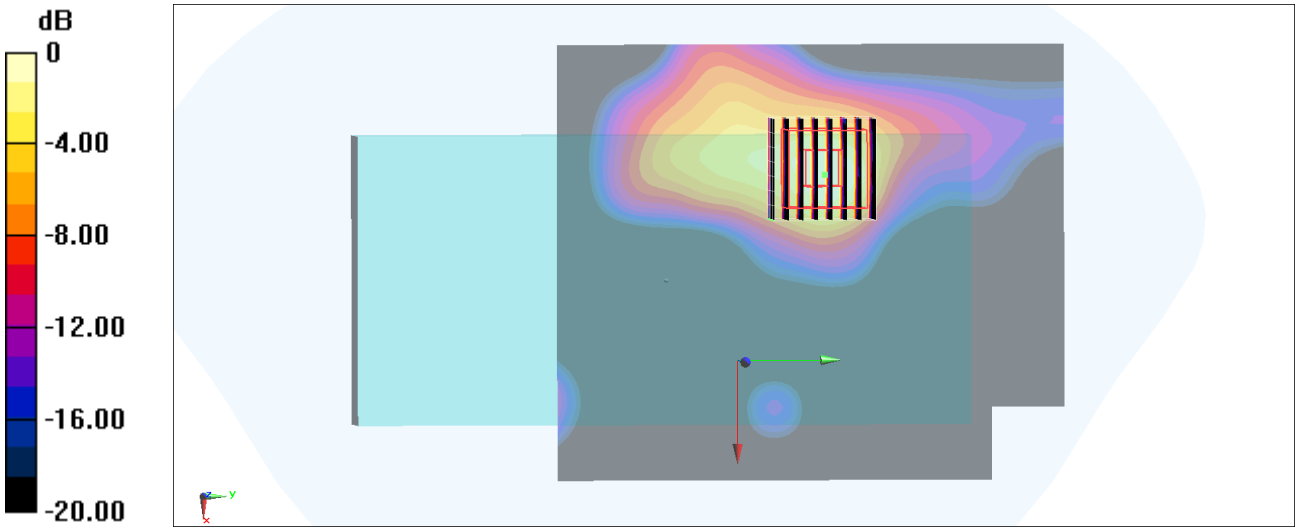
#45_WLAN5GHz_802.11a 6Mbps_Back_15mm_Ch60

Communication System: 802.11a; Frequency: 5300 MHz;Duty Cycle: 1:1.052
Medium: HSL_5G_190829 Medium parameters used : f = 5300 MHz; σ = 4.669 S/m; ε_r = 35.95; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(5.45, 5.45, 5.45) @ 5300 MHz; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Right; Type: SAM; Serial: TP:1681
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (121x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.576 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 7.097 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.816 W/kg
SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.094 W/kg
Maximum value of SAR (measured) = 0.531 W/kg



0 dB = 0.531 W/kg = -2.75 dBW/kg

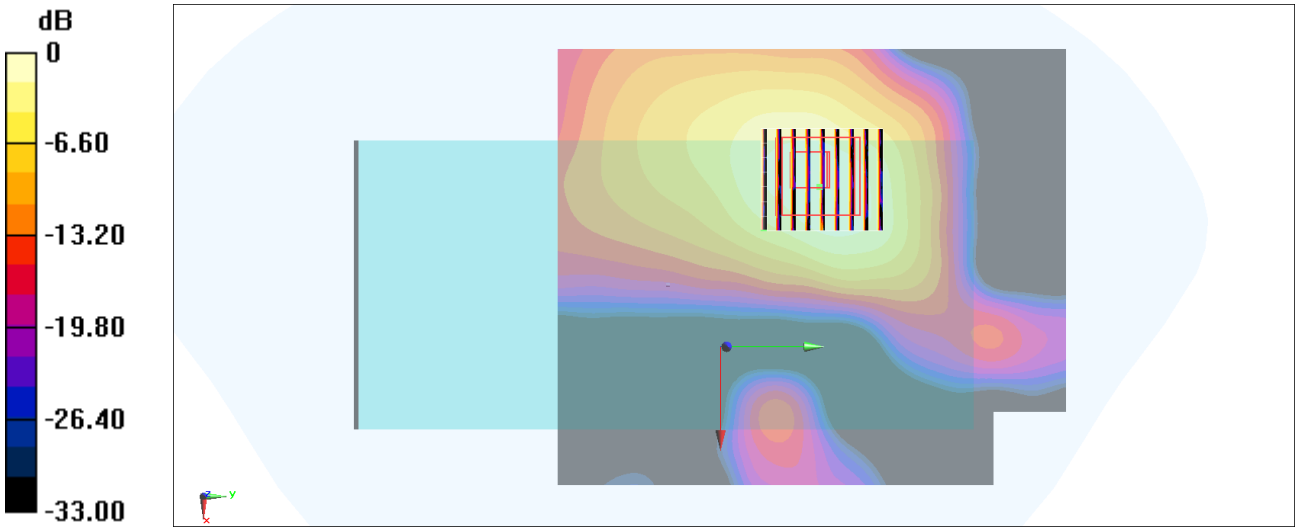
#46_WLAN5GHz_802.11a 6Mbps_Back_15mm_Ch144

Communication System: 802.11a; Frequency: 5720 MHz;Duty Cycle: 1:1.052
Medium: HSL_5G_190828 Medium parameters used: f = 5720 MHz; σ = 5.003 S/m; ε_r = 35.264; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(4.95, 4.95, 4.95) @ 5720 MHz; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Right; Type: SAM; Serial: TP:1681
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (121x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.945 W/kg

Zoom Scan (8x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 10.88 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.57 W/kg
SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.172 W/kg
Maximum value of SAR (measured) = 0.960 W/kg



0 dB = 0.960 W/kg = -0.18 dBW/kg

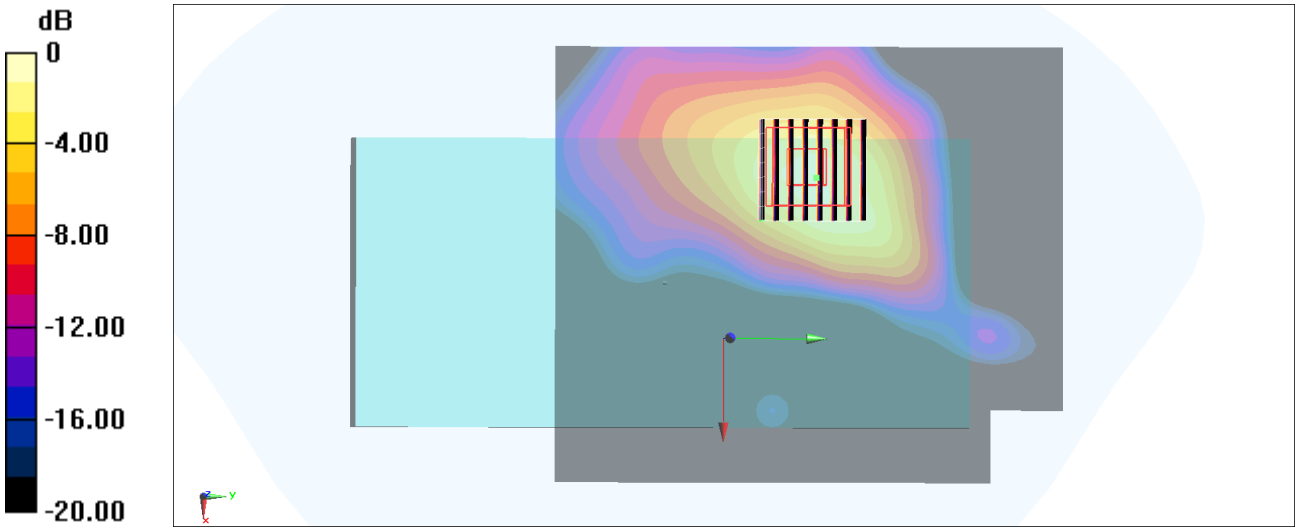
#47_WLAN5GHz_802.11a 6Mbps_Back_15mm_Ch165

Communication System: 802.11a; Frequency: 5825 MHz;Duty Cycle: 1:1.052
Medium: HSL_5G_190829 Medium parameters used : f = 5825 MHz; σ = 5.146 S/m; ε_r = 35.382; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(4.95, 4.95, 4.95) @ 5825 MHz; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Right; Type: SAM; Serial: TP:1681
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (121x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.758 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 9.550 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.382 W/kg; SAR(10 g) = 0.144 W/kg
Maximum value of SAR (measured) = 0.868 W/kg



0 dB = 0.868 W/kg = -0.61 dBW/kg

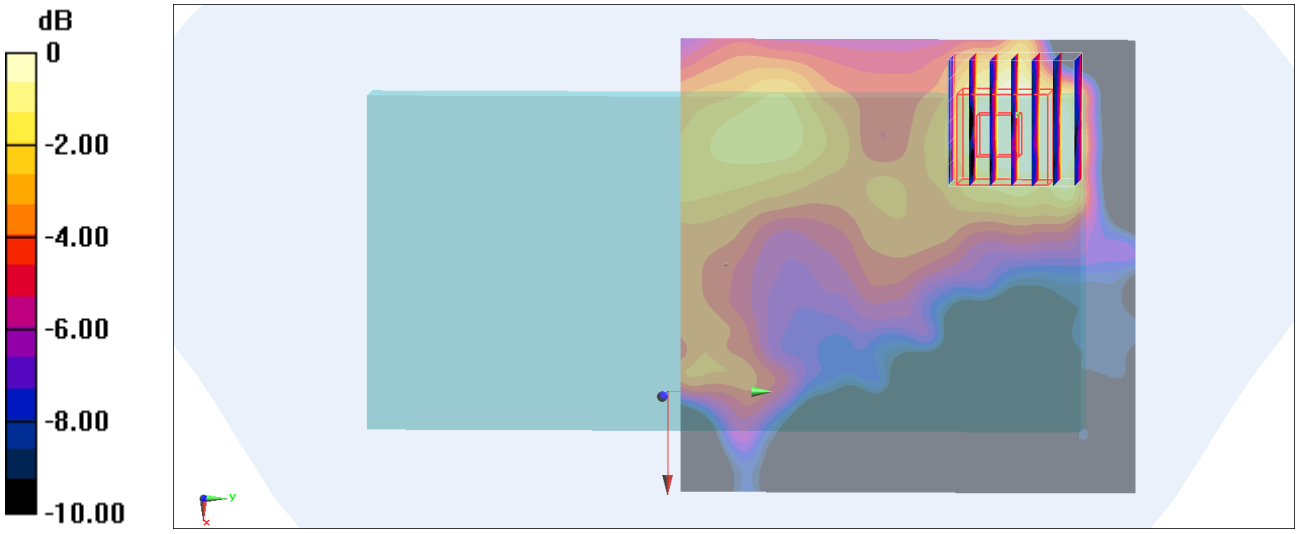
#48_Bluetooth_1Mbps_Back_15mm_Ch39

Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1.311
Medium: HSL_2450_190827 Medium parameters used : f = 2441 MHz; σ = 1.781 S/m; ε_r = 39.179; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3124; ConvF(4.49, 4.49, 4.49) @ 2441 MHz; Calibrated: 2019/1/15
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2019/1/3
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1684
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (91x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0142 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.160 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.0160 W/kg
SAR(1 g) = 0.00931 W/kg; SAR(10 g) = 0.00546 W/kg
Maximum value of SAR (measured) = 0.0114 W/kg



0 dB = 0.0114 W/kg = -19.43 dBW/kg

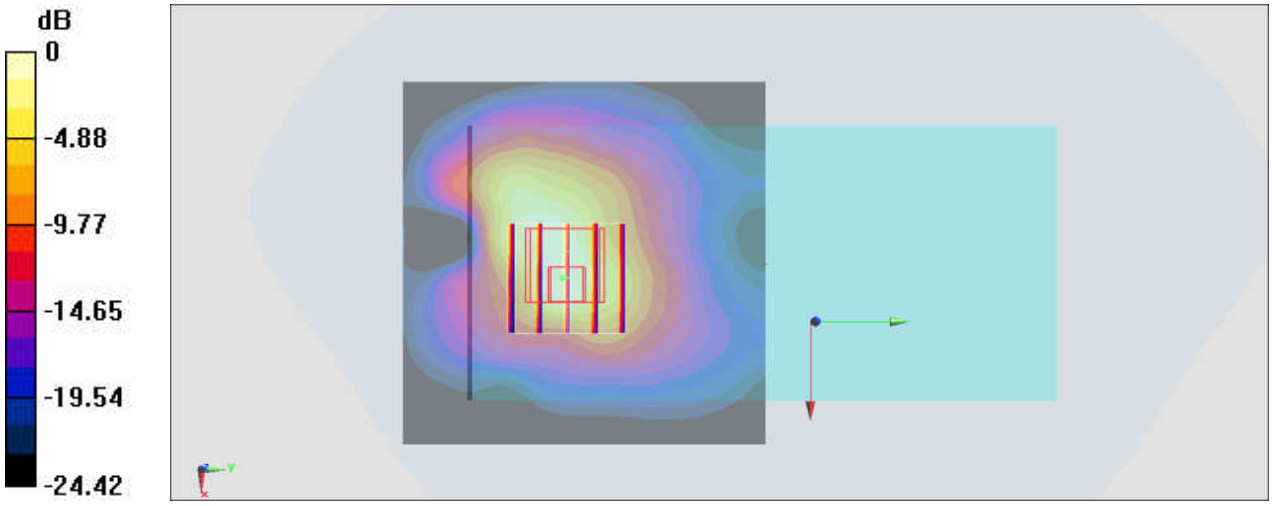
#49_GSM1900_GPRS (4 Tx slots)_Back_0mm_Ch810

Communication System: PCS ; Frequency: 1909.8 MHz;Duty Cycle: 1:2.0797
Medium: HSL_1900_190819 Medium parameters used: f = 1910 MHz; σ = 1.42 S/m; ε_r = 39.043; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1909.8 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- 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) = 7.33 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 53.10 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 9.71 W/kg
SAR(1 g) = 4.14 W/kg; SAR(10 g) = 1.86 W/kg
Maximum value of SAR (measured) = 5.37 W/kg



0 dB = 5.37 W/kg = 7.30 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019/8/19

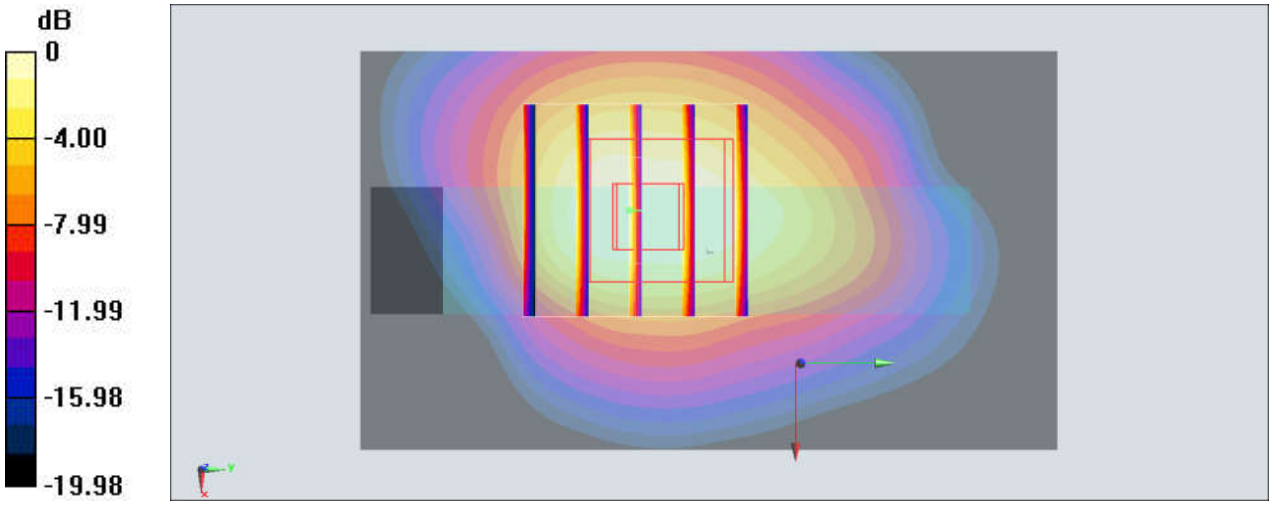
#50_WCDMA II_RMC 12.2Kbps_Bottom Side_0mm_Ch9262

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190819 Medium parameters used : f = 1852.4 MHz; σ = 1.359 S/m; ε_r = 39.305; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1852.4 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- 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) = 6.38 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 62.50 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 7.79 W/kg
SAR(1 g) = 4.47 W/kg; SAR(10 g) = 2.4 W/kg
Maximum value of SAR (measured) = 5.50 W/kg



0 dB = 5.50 W/kg = 7.40 dBW/kg

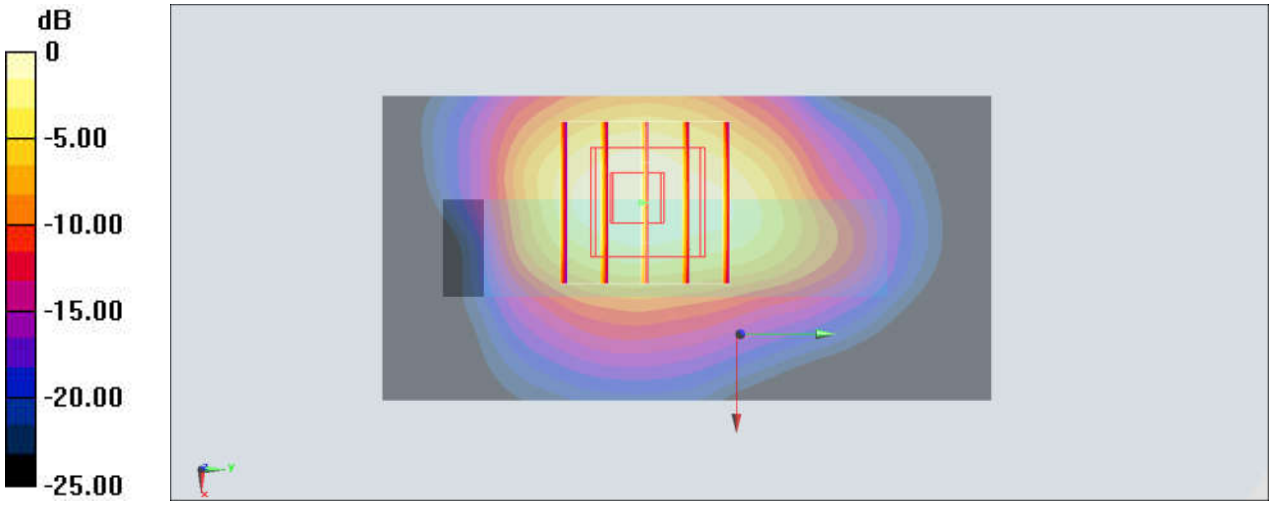
#51_WCDMA IV_RMC 12.2Kbps_Bottom Side_0mm_Ch1312

Communication System: WCDMA ; Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190817 Medium parameters used: f = 1712.4 MHz; σ = 1.334 S/m; ε_r = 40.906; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(5.42, 5.42, 5.42) @ 1712.4 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- 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) = 8.54 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 58.51 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 10.3 W/kg
SAR(1 g) = 6.12 W/kg; SAR(10 g) = 3.38 W/kg
Maximum value of SAR (measured) = 7.52 W/kg



0 dB = 7.52 W/kg = 8.76 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019/8/17

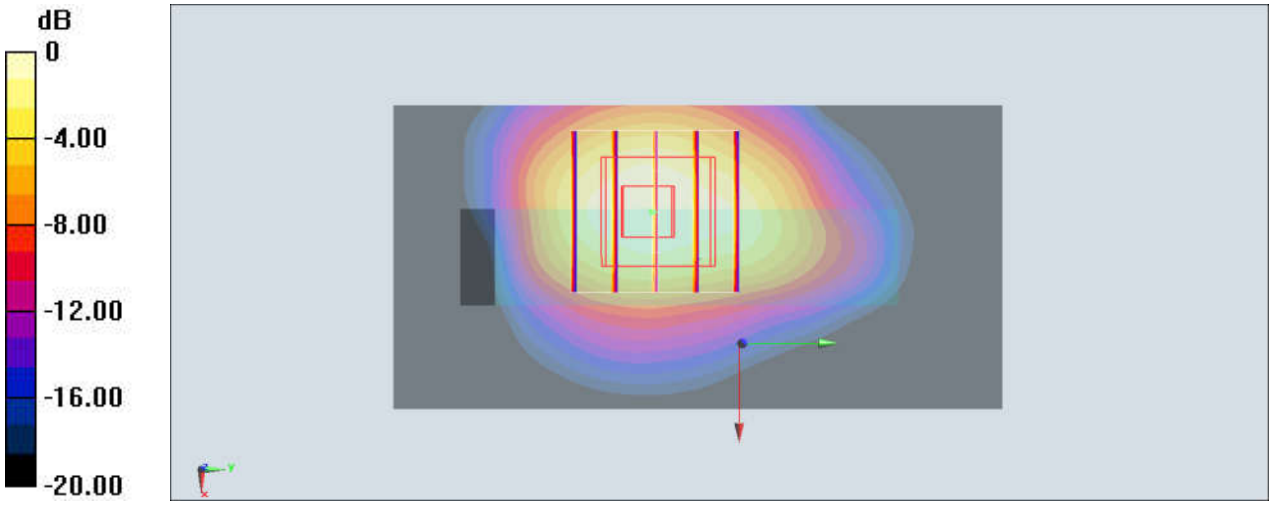
#52_LTE Band 4_20M_QPSK_1_0_Bottom Side_0mm_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190817 Medium parameters used: f = 1733 MHz; σ = 1.355 S/m; ε_r = 40.823; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(5.42, 5.42, 5.42) @ 1732.5 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- 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) = 7.61 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 55.51 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 9.11 W/kg
SAR(1 g) = 5.47 W/kg; SAR(10 g) = 3.03 W/kg
Maximum value of SAR (measured) = 6.69 W/kg



0 dB = 6.69 W/kg = 8.25 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019/8/19

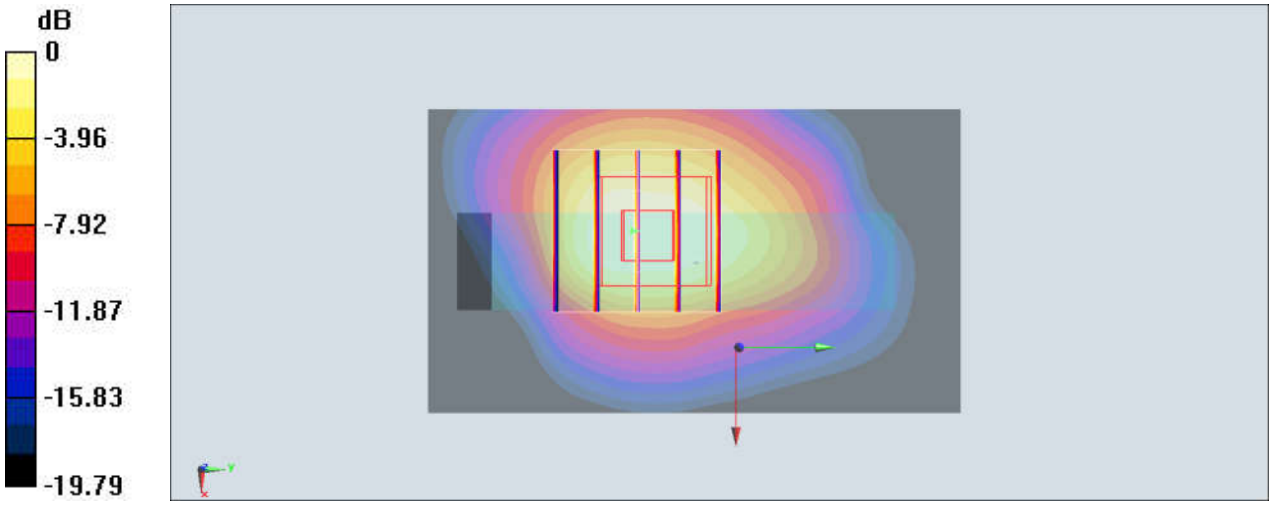
#53_LTE Band 25_20M_QPSK_1_0_Bottom Side_0mm_Ch26340

Communication System: LTE ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190819 Medium parameters used: f = 1880 MHz; σ = 1.388 S/m; ε_r = 39.185; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1880 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM-Right; Type: SAM; Serial: TP-1503
- 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) = 5.58 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.40 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 6.75 W/kg
SAR(1 g) = 3.89 W/kg; SAR(10 g) = 2.09 W/kg
Maximum value of SAR (measured) = 4.76 W/kg



0 dB = 4.76 W/kg = 6.78 dBW/kg

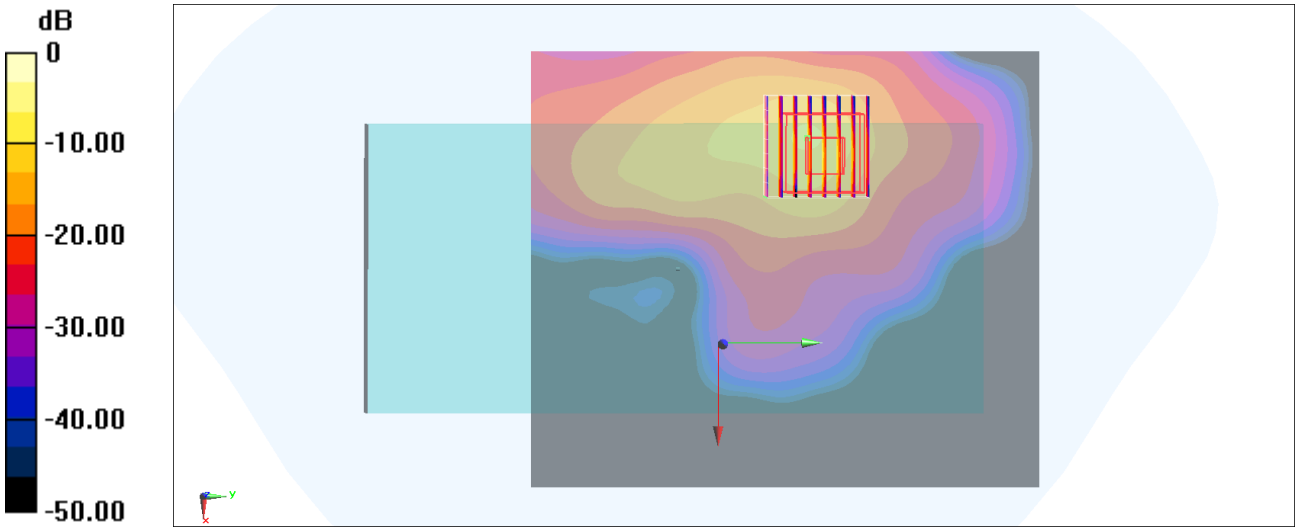
#54_WLAN5GHz_802.11a 6Mbps_Back_0mm_Ch56

Communication System: 802.11a; Frequency: 5280 MHz;Duty Cycle: 1:1.052
Medium: HSL_5G_190828 Medium parameters used: f = 5280 MHz; σ = 4.606 S/m; ε_r = 35.727; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(5.45, 5.45, 5.45) @ 5280 MHz; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Right; Type: SAM; Serial: TP:1681
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (121x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.69 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 12.34 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 29.6 W/kg
SAR(1 g) = 4.8 W/kg; SAR(10 g) = 0.942 W/kg
Maximum value of SAR (measured) = 15.1 W/kg



0 dB = 15.1 W/kg = 11.79 dBW/kg

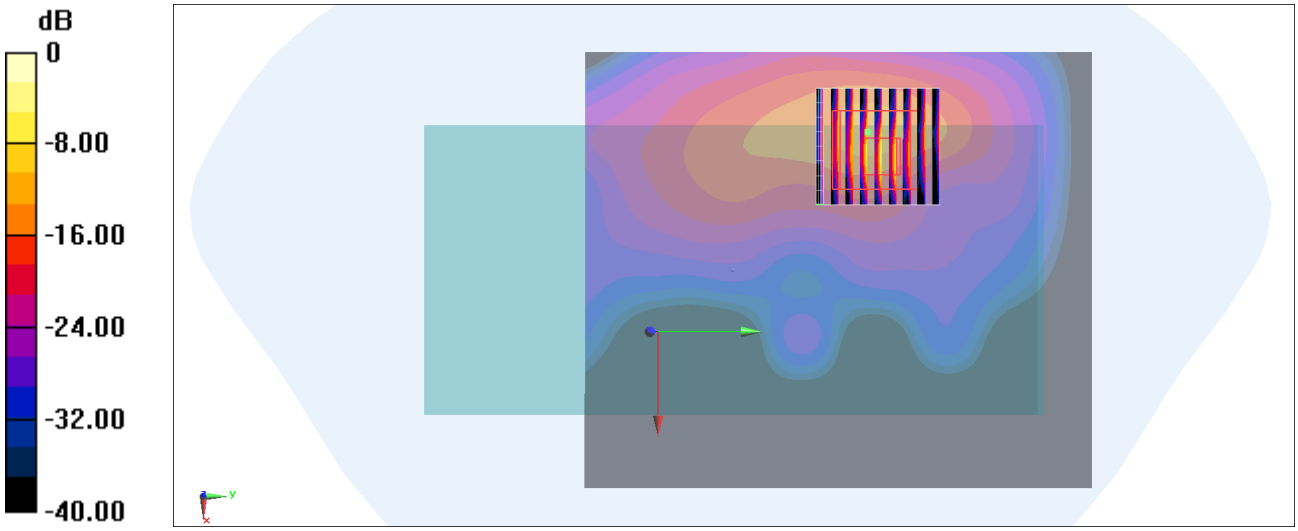
#55_WLAN5GHz_802.11a 6Mbps_Back_0mm_Ch144

Communication System: 802.11a; Frequency: 5720 MHz;Duty Cycle: 1:1.052
Medium: HSL_5G_190828 Medium parameters used: f = 5720 MHz; σ = 5.003 S/m; ε_r = 35.264; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(4.95, 4.95, 4.95) @ 5720 MHz; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Right; Type: SAM; Serial: TP:1681
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (121x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.88 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 14.97 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 51.4 W/kg
SAR(1 g) = 7.02 W/kg; SAR(10 g) = 1.29 W/kg
Maximum value of SAR (measured) = 25.4 W/kg



0 dB = 25.4 W/kg = 14.05 dBW/kg

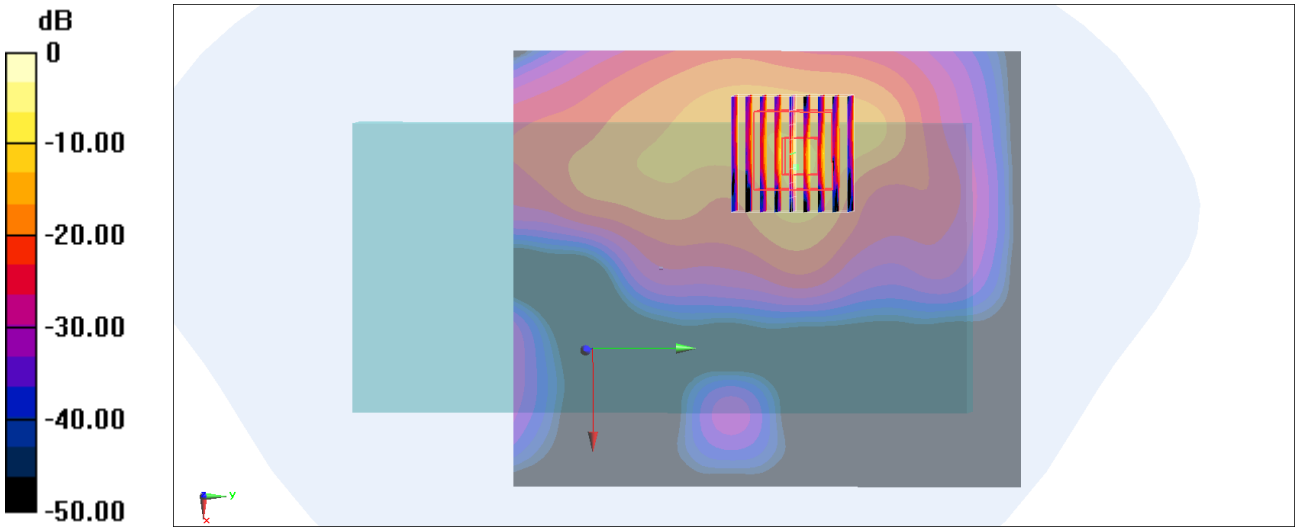
#56_WLAN5GHz_802.11a 6Mbps_Back_0mm_Ch149

Communication System: 802.11a; Frequency: 5745 MHz;Duty Cycle: 1:1.052
Medium: HSL_5G_190828 Medium parameters used: f = 5745 MHz; σ = 5.034 S/m; ε_r = 35.193; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7515; ConvF(4.95, 4.95, 4.95) @ 5745 MHz; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM_Right; Type: SAM; Serial: TP:1681
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Area Scan (121x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.949 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 14.79 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 41.5 W/kg
SAR(1 g) = 5.5 W/kg; SAR(10 g) = 1.02 W/kg
Maximum value of SAR (measured) = 17.7 W/kg



0 dB = 17.7 W/kg = 12.48 dBW/kg