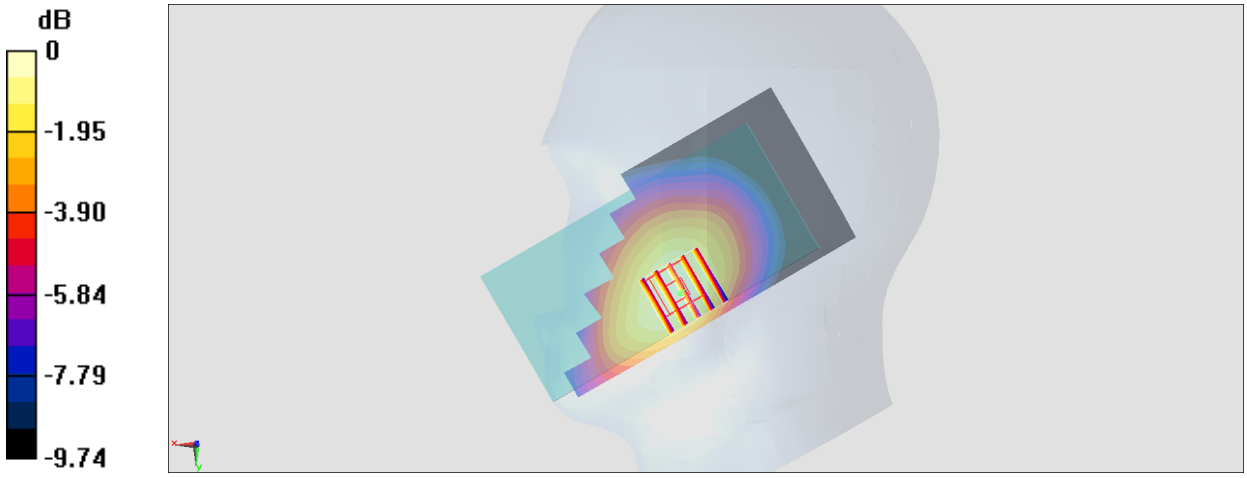
#01_GSM850_GPRS (2 Tx slots)_Right Cheek_Ch128

Communication System: GSM850; Frequency: 824.2 MHz;Duty Cycle: 1:4.15
Medium: HSL_850_190523 Medium parameters used: f = 824.2 MHz; σ = 0.881 S/m; ε_r = 41.173; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3728; ConvF(9.36, 9.36, 9.36) ; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.319 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.97 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.343 W/kg
SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.199 W/kg
Maximum value of SAR (measured) = 0.307 W/kg



0 dB = 0.319 W/kg = -4.96 dBW/kg

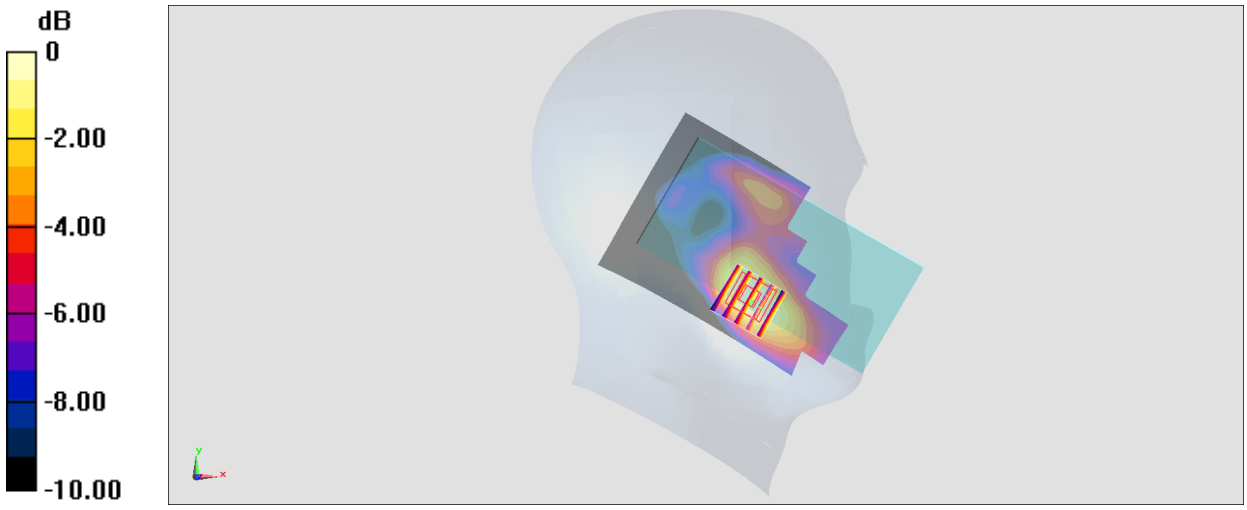
#02_GSM1900_GPRS (2 Tx slots)_Left Cheek_Ch661

Communication System: PCS; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium: HSL_1900_190523 Medium parameters used: f = 1880 MHz; σ = 1.388 S/m; ε_r = 40.591; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3728; ConvF(7.7, 7.7, 7.7) ; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.128 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.904 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.150 W/kg
SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.059 W/kg
Maximum value of SAR (measured) = 0.130 W/kg



0 dB = 0.128 W/kg = -8.93 dBW/kg

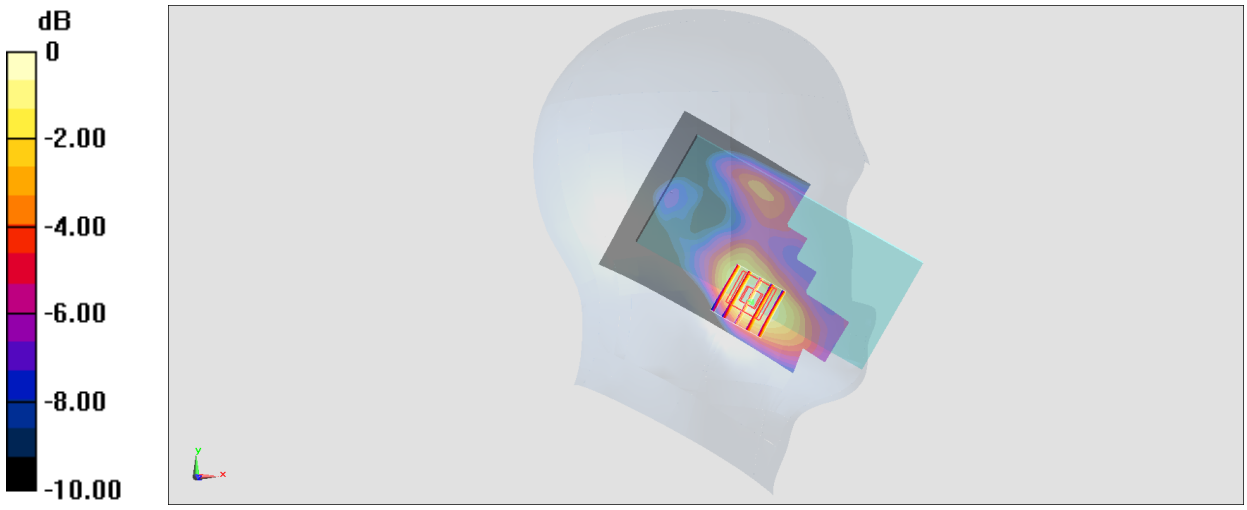
#03_WCDMA II_RMC 12.2Kbps_Left Cheek_Ch9538

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190523 Medium parameters used: f = 1908 MHz; σ = 1.418 S/m; ε_r = 40.485; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3728; ConvF(7.7, 7.7, 7.7) ; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.217 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.655 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.245 W/kg
SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.095 W/kg
Maximum value of SAR (measured) = 0.208 W/kg



0 dB = 0.217 W/kg = -6.64 dBW/kg

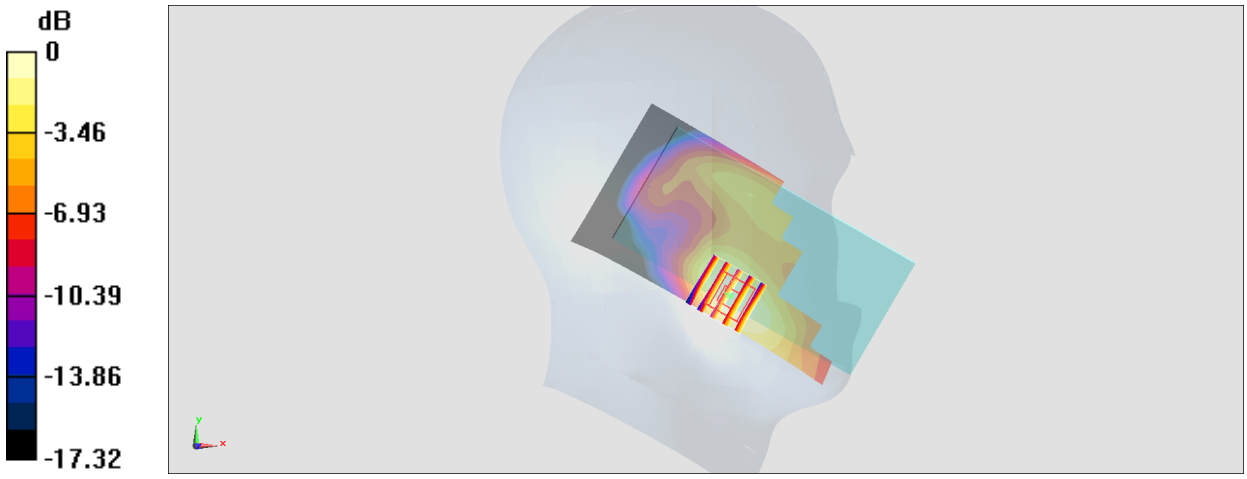
#04_WCDMA IV_RMC 12.2Kbps_Left Cheek_Ch1312

Communication System: WCDMA; Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190523 Medium parameters used: f = 1712.4 MHz; σ = 1.336 S/m; ε_r = 41.364; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3728; ConvF(8.13, 8.13, 8.13); Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.171 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.16 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.181 W/kg
SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.078 W/kg
Maximum value of SAR (measured) = 0.160 W/kg



0 dB = 0.171 W/kg = -7.67 dBW/kg

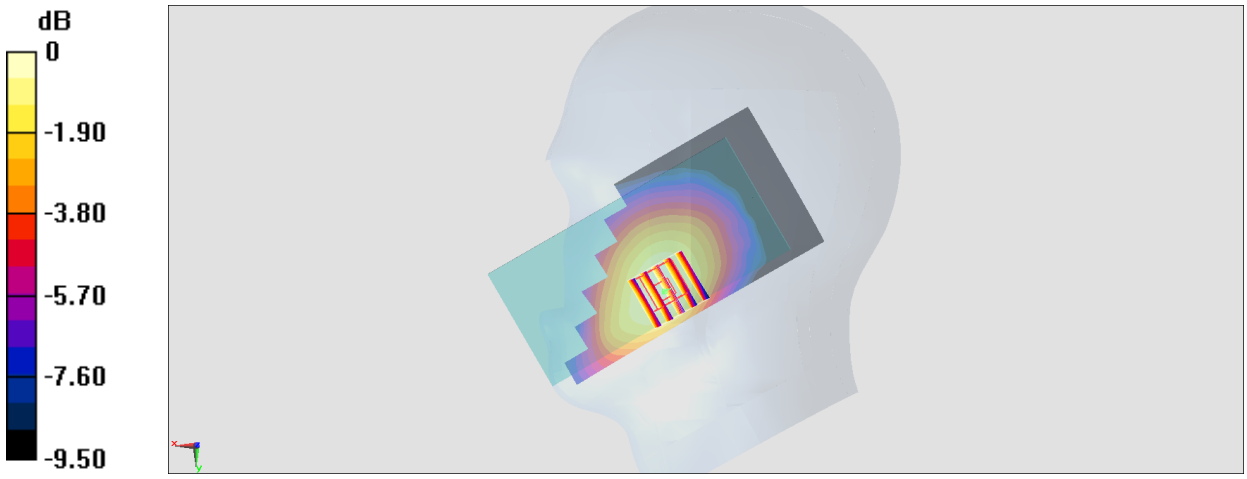
#05_WCDMA V_RMC 12.2Kbps_Right Cheek_Ch4132

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: HSL_850_190523 Medium parameters used: f = 826.4 MHz; σ = 0.883 S/m; ε_r = 41.146; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3728; ConvF(9.36, 9.36, 9.36) ; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.277 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.55 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.301 W/kg
SAR(1 g) = 0.227 W/kg; SAR(10 g) = 0.175 W/kg
Maximum value of SAR (measured) = 0.275 W/kg



0 dB = 0.277 W/kg = -5.58 dBW/kg

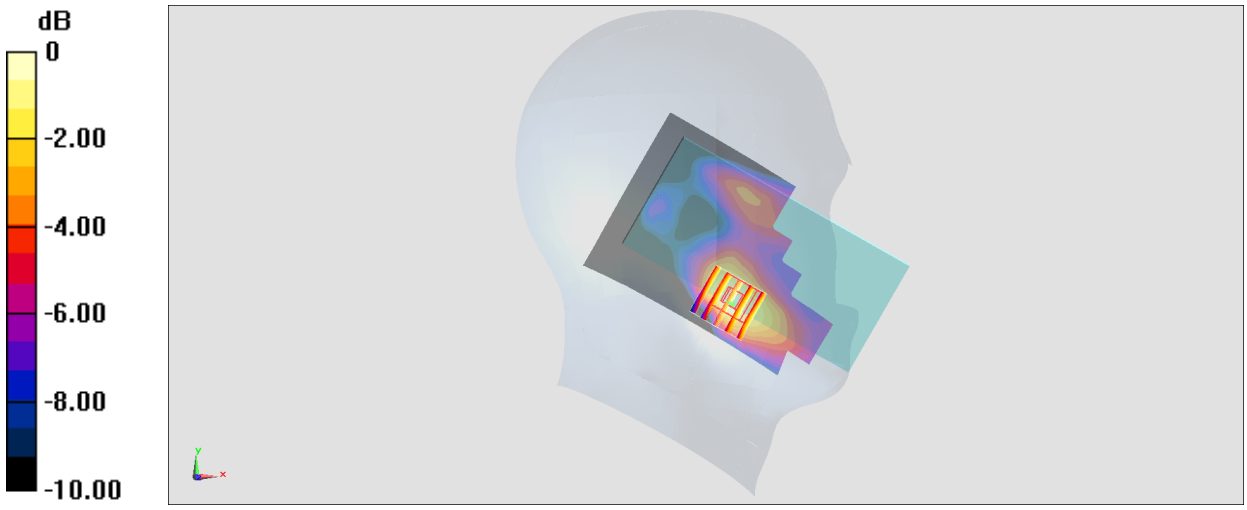
#06_LTE Band 2_20M_QPSK_1_0_Left Cheek_Ch18900

Communication System: LTE; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190523 Medium parameters used: f = 1880 MHz; σ = 1.388 S/m; ε_r = 40.591; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3728; ConvF(7.7, 7.7, 7.7) ; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.194 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.021 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.204 W/kg
SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.079 W/kg
Maximum value of SAR (measured) = 0.173 W/kg



0 dB = 0.194 W/kg = -7.12 dBW/kg

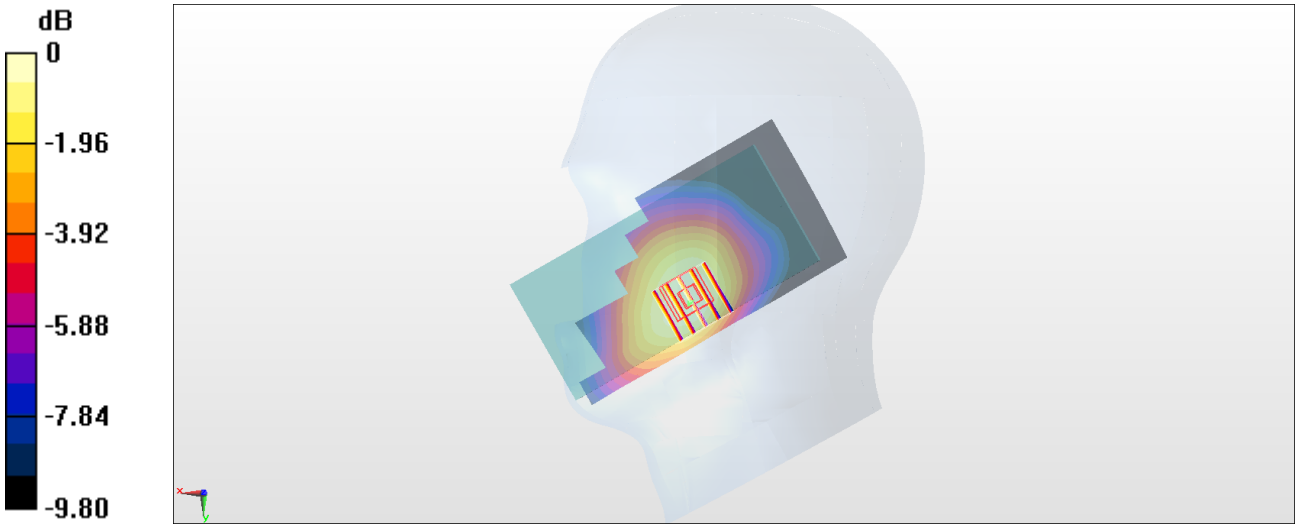
#07_LTE Band 5_10M_QPSK_1_0_Right Cheek_Ch20525

Communication System: LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL_850_190522 Medium parameters used : f = 836.5 MHz; σ = 0.894 S/m; ε_r = 42.254; 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) ;Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.230 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.94 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.260 W/kg
SAR(1 g) = 0.206 W/kg; SAR(10 g) = 0.159 W/kg
Maximum value of SAR (measured) = 0.224 W/kg



0 dB = 0.224 W/kg = -6.50 dBW/kg

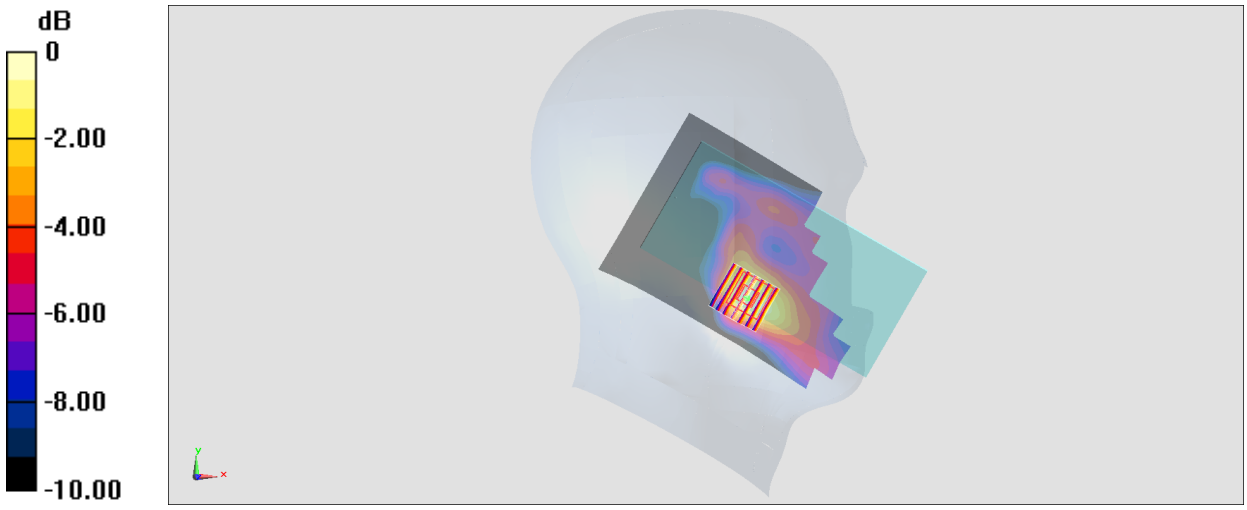
#08_LTE Band 7_20M_QPSK_1_0_Left Cheek_Ch21100

Communication System: LTE; Frequency: 2535 MHz;Duty Cycle: 1:1
Medium: HSL_2600_190524 Medium parameters used : f = 2535 MHz; σ = 1.949 S/m; ε_r = 39.87; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3728; ConvF(6.94, 6.94, 6.94) ; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- 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 mm
Maximum value of SAR (interpolated) = 0.571 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.08 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.600 W/kg
SAR(1 g) = 0.345 W/kg; SAR(10 g) = 0.190 W/kg
Maximum value of SAR (measured) = 0.503 W/kg



0 dB = 0.571 W/kg = -2.43 dBW/kg

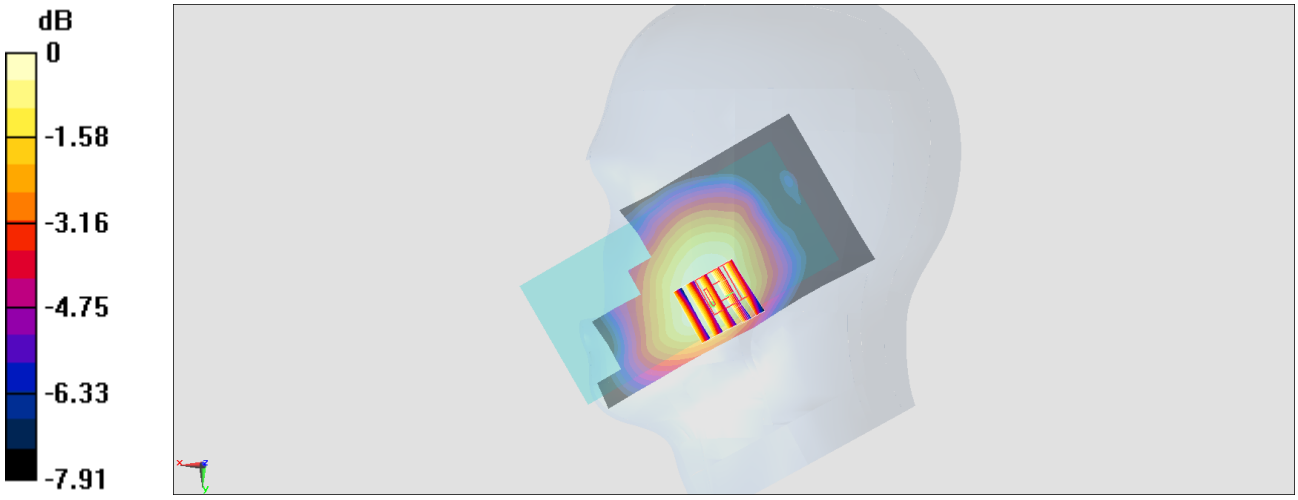
#09_LTE Band 12_10M_QPSK_1_0_Right Cheek_Ch23095

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: HSL_750_190519 Medium parameters used: f = 707.5 MHz; σ = 0.853 S/m; ε_r = 41.036; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3642; ConvF(9.16, 9.16, 9.16) ; Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.176 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.67 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.171 W/kg
SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.118 W/kg
Maximum value of SAR (measured) = 0.162 W/kg



0 dB = 0.162 W/kg = -7.90 dBW/kg

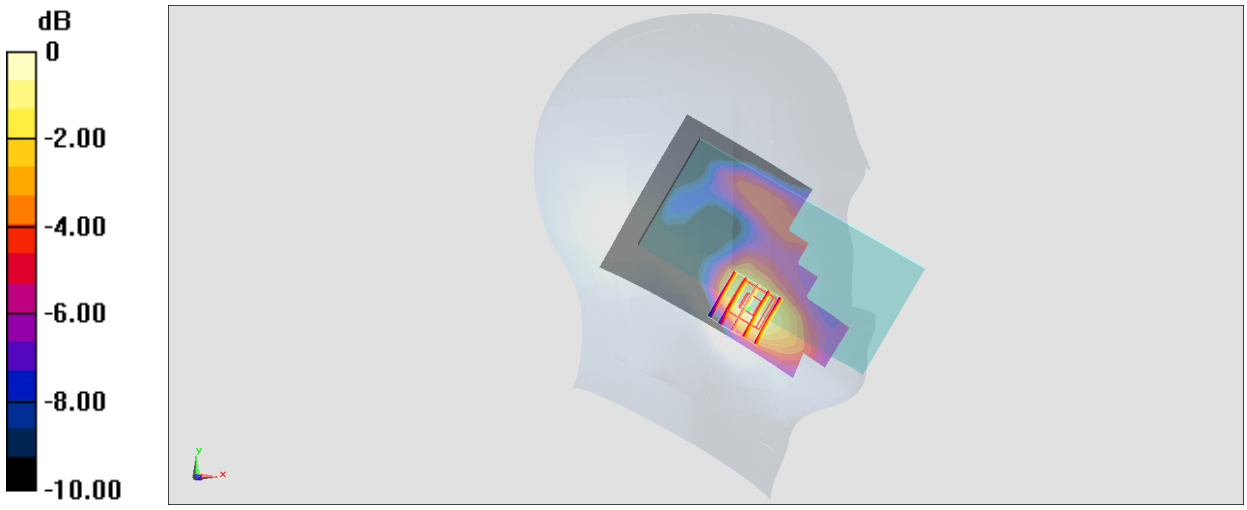
#10_LTE Band 66_20M_QPSK_1_0_Left Cheek_Ch132322

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190523 Medium parameters used : f = 1745 MHz; σ = 1.362 S/m; ε_r = 41.25; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3728; ConvF(8.13, 8.13, 8.13) ; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.123 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.137 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.133 W/kg
SAR(1 g) = 0.086 W/kg; SAR(10 g) = 0.053 W/kg
Maximum value of SAR (measured) = 0.115 W/kg



0 dB = 0.123 W/kg = -9.10 dBW/kg

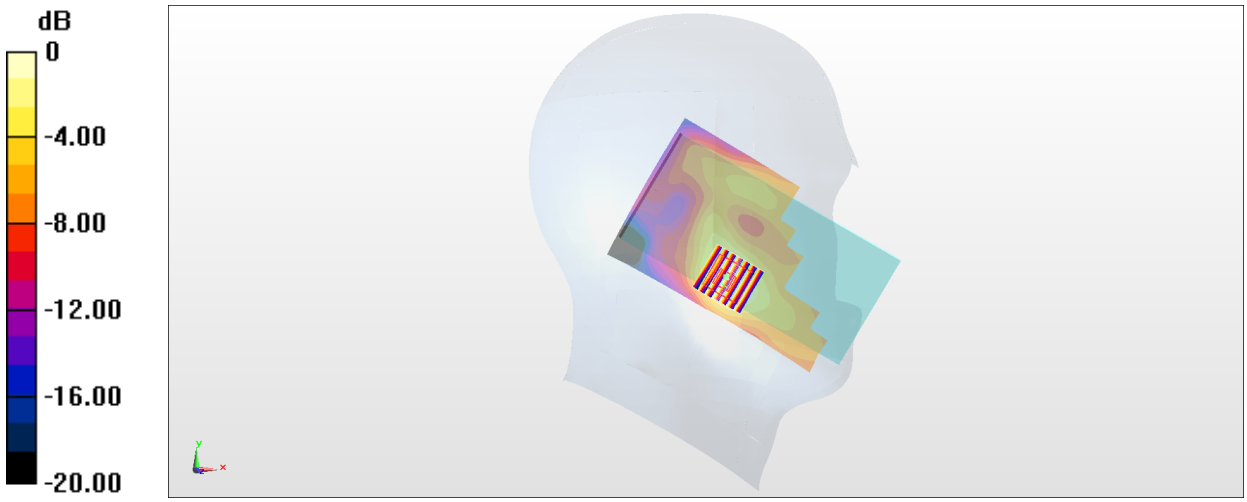
#11_LTE Band 41_20M_QPSK_1_0_Left Cheek_Ch40670

Communication System: LTE TDD ; Frequency: 2598 MHz;Duty Cycle: 1:1.59
Medium: HSL_2600_190530 Medium parameters used: f = 2598 MHz; σ = 2.013 S/m; ε_r = 39.447; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(7.35, 7.35, 7.35) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.323 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.61 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.407 W/kg
SAR(1 g) = 0.203 W/kg; SAR(10 g) = 0.107 W/kg
Maximum value of SAR (measured) = 0.325 W/kg



0 dB = 0.323 W/kg = -4.91 dBW/kg

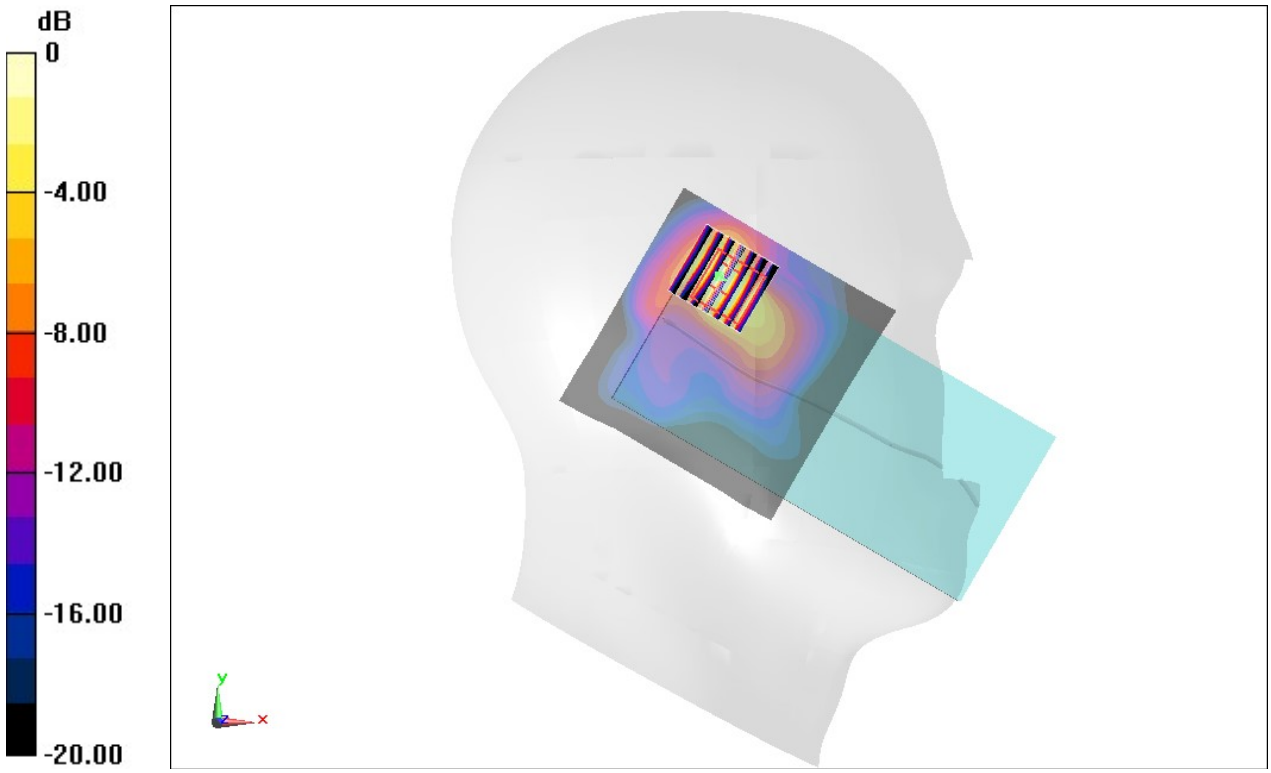
#12_WLAN2.4GHz_802.11b 1Mbps_Left Cheek _Ch1

Communication System: 802.11b; Frequency: 2412 MHz;Duty Cycle: 1:1.012
Medium: HSL_2450_190518 Medium parameters used: f = 2412 MHz; σ = 1.749 S/m; ε_r = 40.027; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7306;ConvF(7.43, 7.43, 7.43) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.68 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 22.53 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 2.50 W/kg
SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.479 W/kg
Maximum value of SAR (measured) = 1.90 W/kg



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

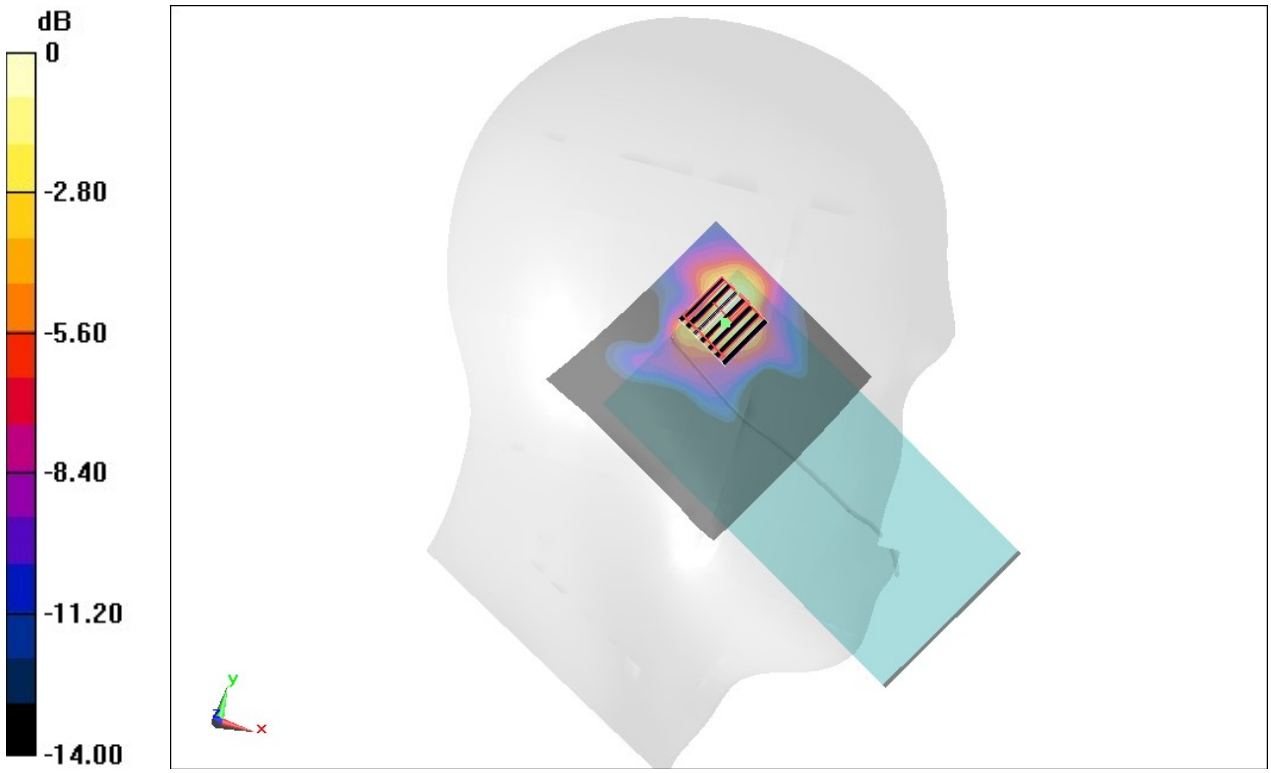
#13_WLAN5GHz_802.11a 6Mbps_Left Cheek_Ch52

Communication System: 802.11a ; Frequency: 5260 MHz;Duty Cycle: 1:1.019
Medium: HSL_5G_190518 Medium parameters used: f = 5260 MHz; σ = 4.642 S/m; ε_r = 36.141; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7306;ConvF(5.38, 5.38, 5.38) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.14 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 10.78 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 2.08 W/kg
SAR(1 g) = 0.529 W/kg; SAR(10 g) = 0.197 W/kg
Maximum value of SAR (measured) = 1.25 W/kg



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

#14_WLAN5GHz_802.11a 6Mbps_Left Cheek_Ch116

Communication System: 802.11a ; Frequency: 5580 MHz;Duty Cycle: 1:1.019
Medium: HSL_5G_190521 Medium parameters used: f = 5580 MHz; σ = 4.87 S/m; ε_r = 36.234; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3642;ConvF(4.28, 4.28, 4.28) ;Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 2018/12/11
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- 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) = 1.38 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 14.26 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 2.63 W/kg
SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.154 W/kg
Maximum value of SAR (measured) = 1.54 W/kg

0 dB = 1.54 W/kg = 1.88 dBW/kg

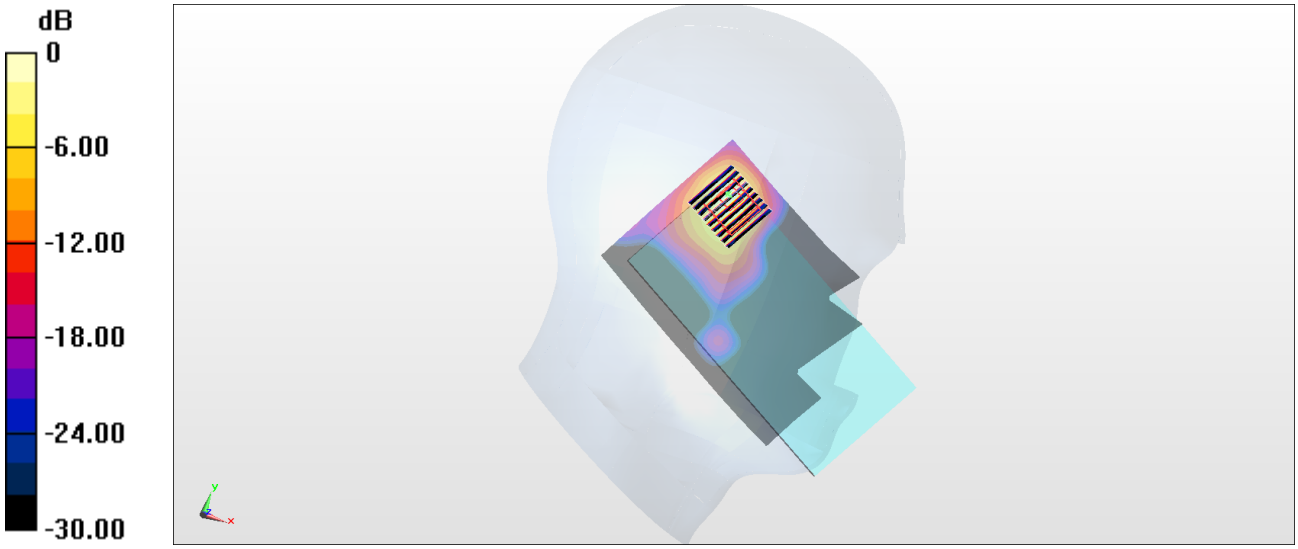
#15_WLAN5GHz_802.11a 6Mbps_Left Cheek_Ch165

Communication System: 802.11a ; Frequency: 5825 MHz;Duty Cycle: 1:1.019
Medium: HSL_5G_190521 Medium parameters used : f = 5825 MHz; σ = 5.131 S/m; ε_r = 35.92; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3642;ConvF(4.36, 4.36, 4.36) ;Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 2018/12/11
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- 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) = 3.36 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 15.56 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 5.53 W/kg
SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.312 W/kg
Maximum value of SAR (measured) = 3.35 W/kg



0 dB = 3.35 W/kg = 5.25 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019/5/18

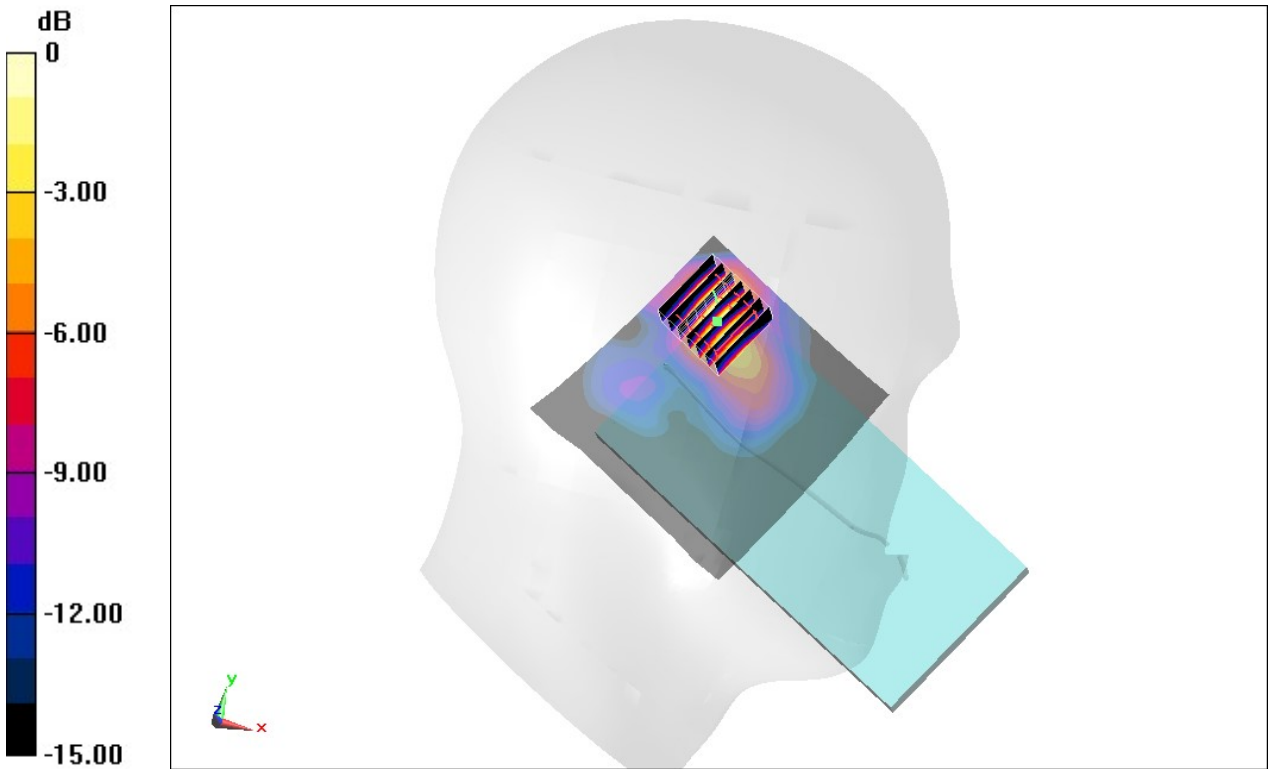
#16_Bluetooth_1Mbps_Left Cheek_Ch0

Communication System: Bluetooth ; Frequency: 2402 MHz;Duty Cycle: 1:1.305
Medium: HSL_2450_190518 Medium parameters used : f = 2402 MHz; σ = 1.738 S/m; ε_r = 40.064; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7306;ConvF(7.43, 7.43, 7.43) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.207 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.225 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.322 W/kg
SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.059 W/kg
Maximum value of SAR (measured) = 0.244 W/kg



0 dB = 0.244 W/kg = -6.13 dBW/kg

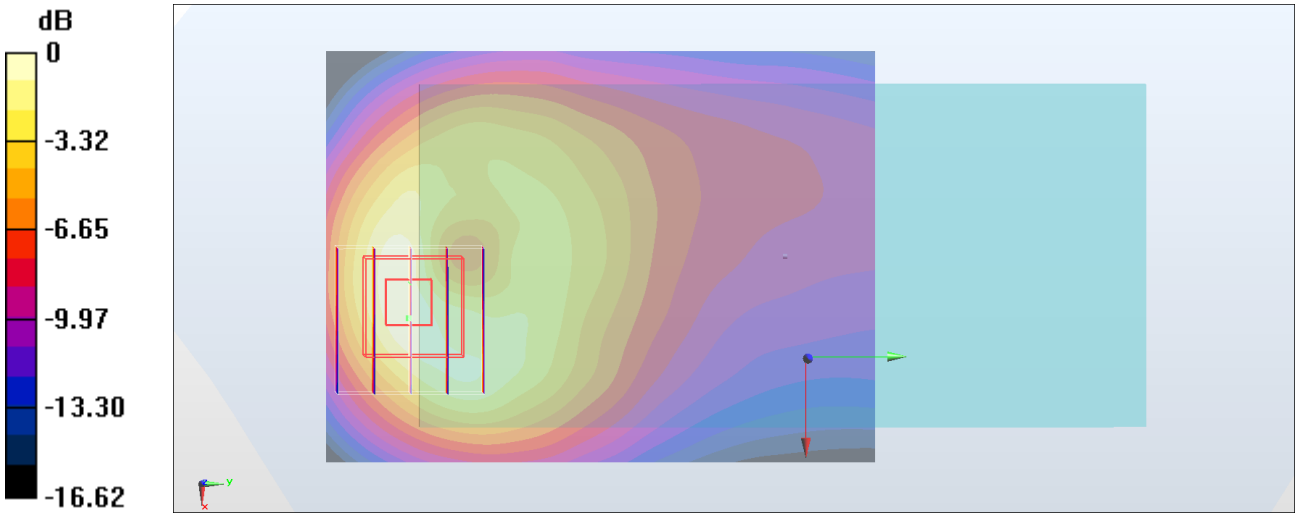
#17_GSM850_GPRS (2 Tx slots)_Back_5mm_Ch251

Communication System: GSM850 ; Frequency: 848.8 MHz;Duty Cycle: 1:4.15
Medium: HSL_850_190530 Medium parameters used: f = 849 MHz; σ = 0.903 S/m; ε_r = 42.228; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(9.75, 9.75, 9.75) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.52 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.44 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 2.12 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.598 W/kg
Maximum value of SAR (measured) = 1.80 W/kg



0 dB = 1.52 W/kg = 1.82 dBW/kg

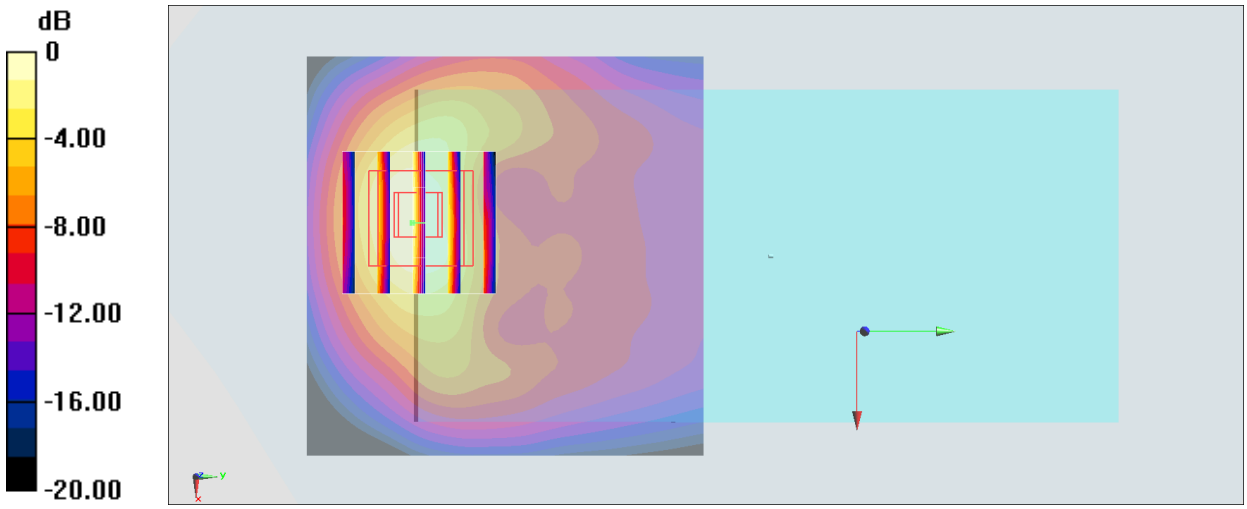
#18_GSM1900_GPRS (2 Tx slots)_Back_5mm_Ch810

Communication System: PCS; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15
Medium: HSL_1900_190528 Medium parameters used: f = 1910 MHz; σ = 1.418 S/m; ε_r = 40.499; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.24, 8.24, 8.24) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (61x61x1): 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 = 26.43 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 2.46 W/kg
SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.586 W/kg
Maximum value of SAR (measured) = 1.93 W/kg



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

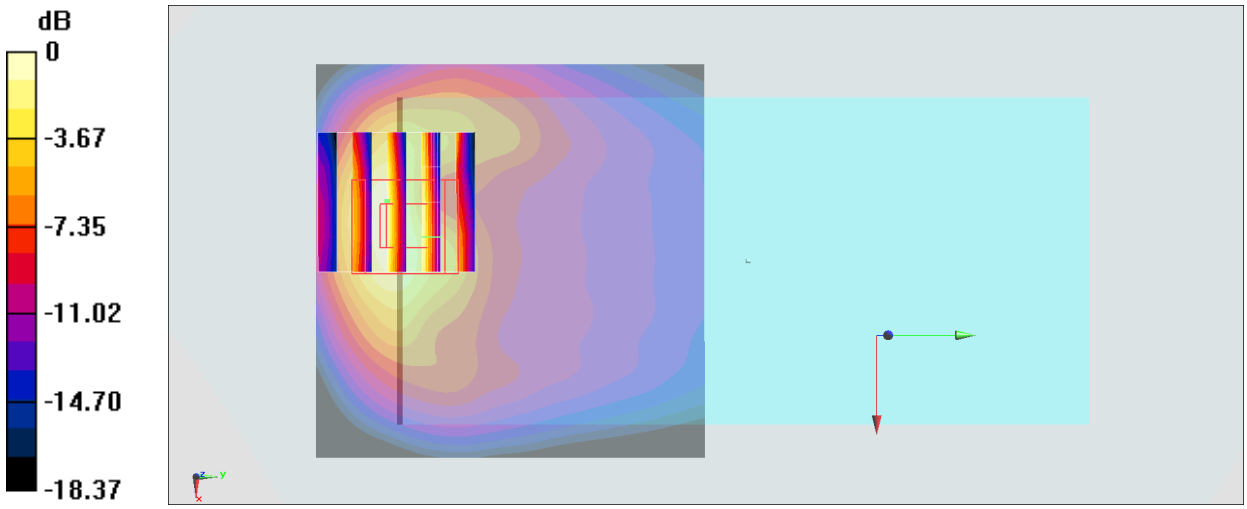
#19_WCDMA II_RMC 12.2Kbps_Back_5mm_Ch9400

Communication System: WCDMA ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190528 Medium parameters used: f = 1880 MHz; σ = 1.387 S/m; ε_r = 40.611; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.24, 8.24, 8.24) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.32 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.62 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 2.01 W/kg
SAR(1 g) = 1.021 W/kg; SAR(10 g) = 0.454 W/kg
Maximum value of SAR (measured) = 1.34 W/kg



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

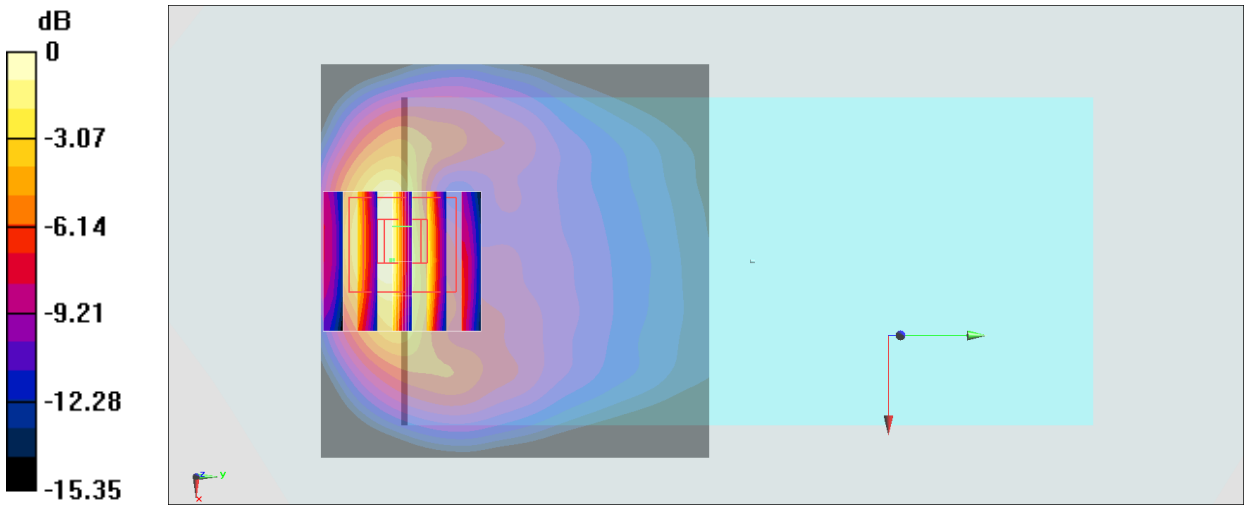
#20_WCDMA IV_RMC 12.2Kbps_Back_5mm_Ch1312

Communication System: WCDMA ; Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190528 Medium parameters used : f = 1712.4 MHz; σ = 1.358 S/m; ε_r = 41.784; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.63, 8.63, 8.63) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (61x61x1): 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 = 15.08 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.69 W/kg
SAR(1 g) = 0.863 W/kg; SAR(10 g) = 0.423 W/kg
Maximum value of SAR (measured) = 1.28 W/kg



0 dB = 1.30 W/kg = 1.14 dBW/kg

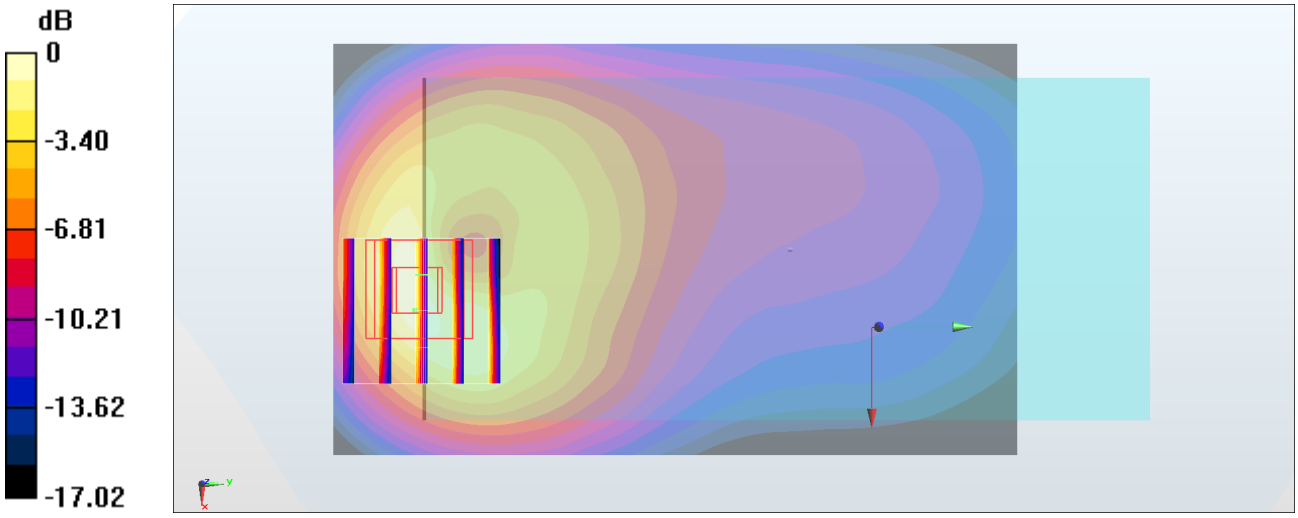
#21_WCDMA V_RMC 12.2Kbps_Back_5mm_Ch4233

Communication System: WCDMA ; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL_850_190530 Medium parameters used: f = 847 MHz; σ = 0.901 S/m; ε_r = 42.254; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(9.75, 9.75, 9.75) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.45 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.80 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.96 W/kg
SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.538 W/kg
Maximum value of SAR (measured) = 1.65 W/kg



0 dB = 1.65 W/kg = 2.17 dBW/kg

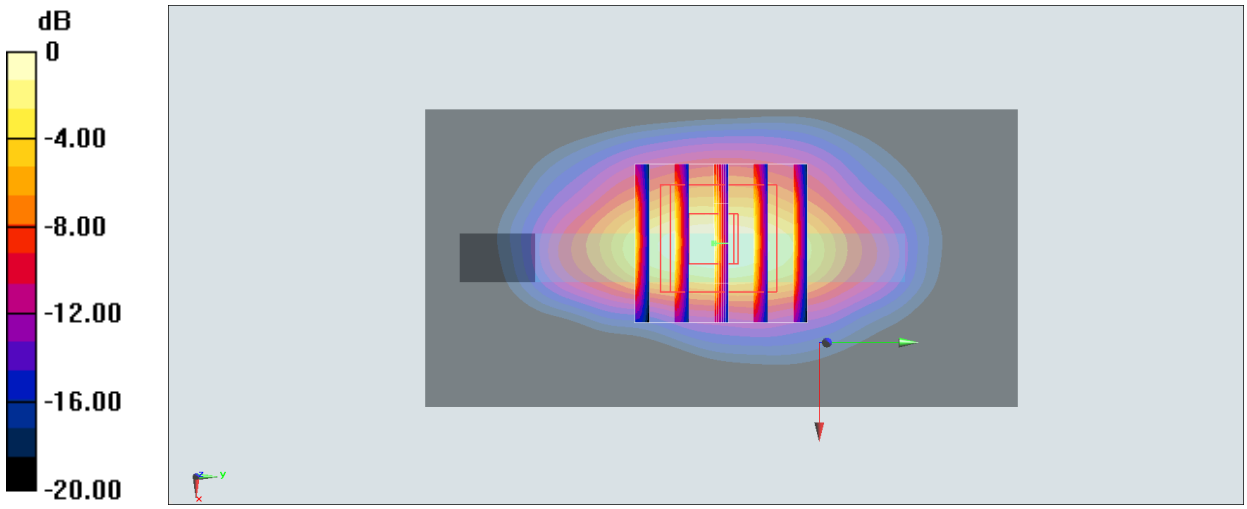
#22_LTE Band 2_20M_QPSK_1_0_Bottom Side_5mm_Ch19100

Communication System: LTE ; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190527 Medium parameters used: f = 1900 MHz; σ = 1.421 S/m; ε_r = 40.705; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.24, 8.24, 8.24) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.66 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.24 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 2.11 W/kg
SAR(1 g) = 0.995 W/kg; SAR(10 g) = 0.455 W/kg
Maximum value of SAR (measured) = 1.69 W/kg



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

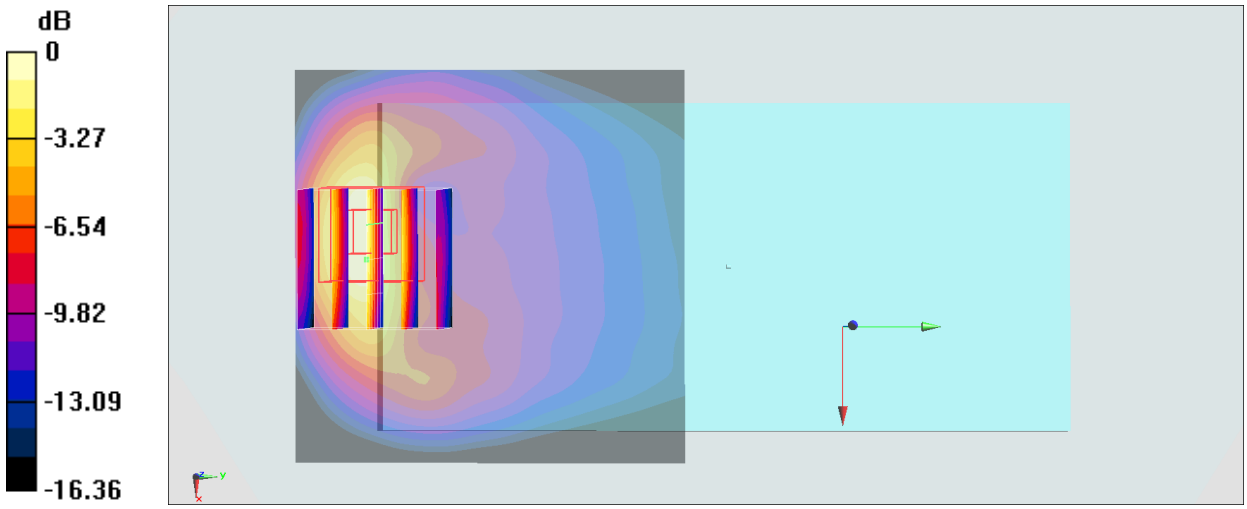
#23_LTE Band 4_20M_QPSK_1_0_Back_5mm_Ch20175

Communication System: LTE ; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190527 Medium parameters used: f = 1733 MHz; σ = 1.362 S/m; ε_r = 41.487; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.63, 8.63, 8.63) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.67 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.57 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 2.30 W/kg
SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.568 W/kg
Maximum value of SAR (measured) = 1.85 W/kg



0 dB = 1.67 W/kg = 2.23 dBW/kg

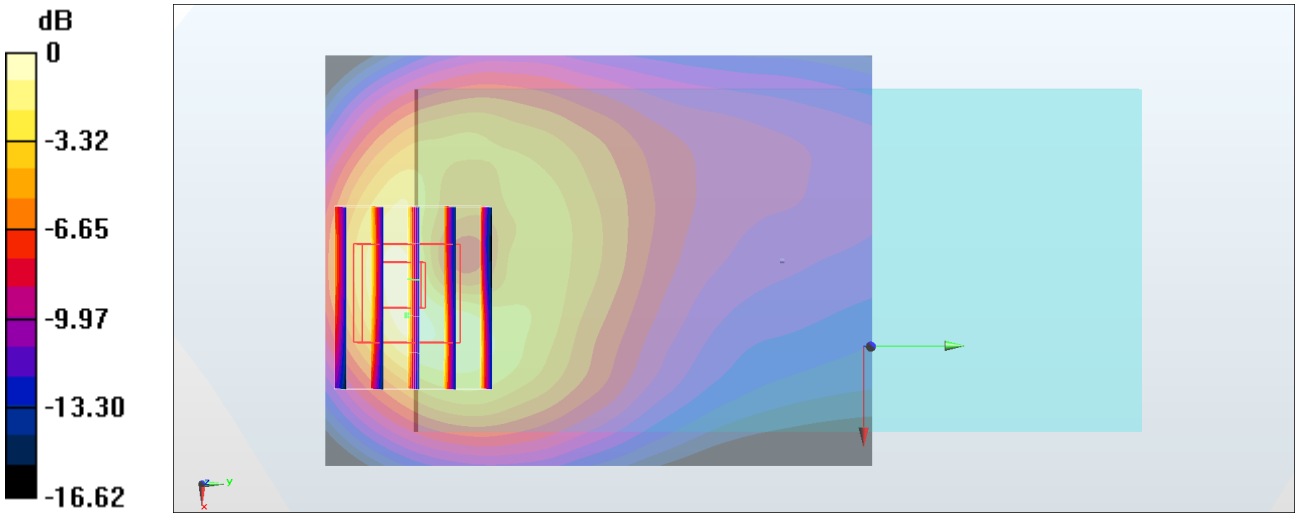
#24_LTE Band 5_10M_QPSK_25_0_Back_5mm_Ch20525

Communication System: LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL_850_190530 Medium parameters used : f = 836.5 MHz; σ = 0.891 S/m; ε_r = 42.409; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(9.75, 9.75, 9.75) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.45 W/kg

Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.37 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.98 W/kg
SAR(1 g) = 0.997 W/kg; SAR(10 g) = 0.524 W/kg
Maximum value of SAR (measured) = 1.65 W/kg



0 dB = 1.65 W/kg = 2.17 dBW/kg

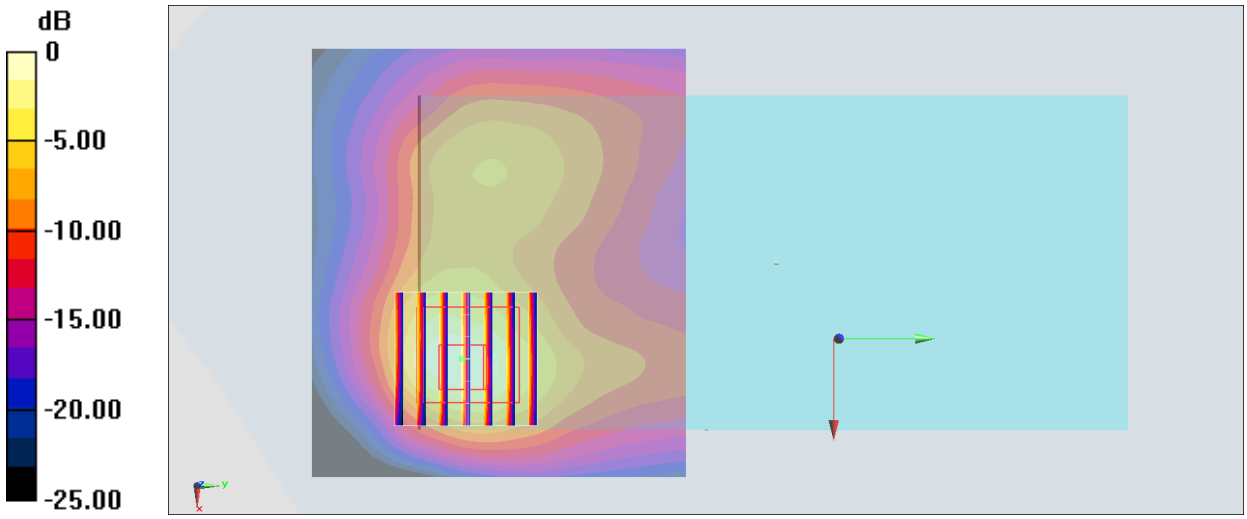
#25_LTE Band 7_20M_QPSK_50_0_Back_5mm_Ch21350

Communication System: LTE; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium: HSL_2600_190530 Medium parameters used: f = 2560 MHz; σ = 1.981 S/m; ε_r = 39.514; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(7.35, 7.35, 7.35) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (81x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 2.08 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 22.73 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 2.82 W/kg
SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.446 W/kg
Maximum value of SAR (measured) = 2.02 W/kg



0 dB = 2.08 W/kg = 3.18 dBW/kg

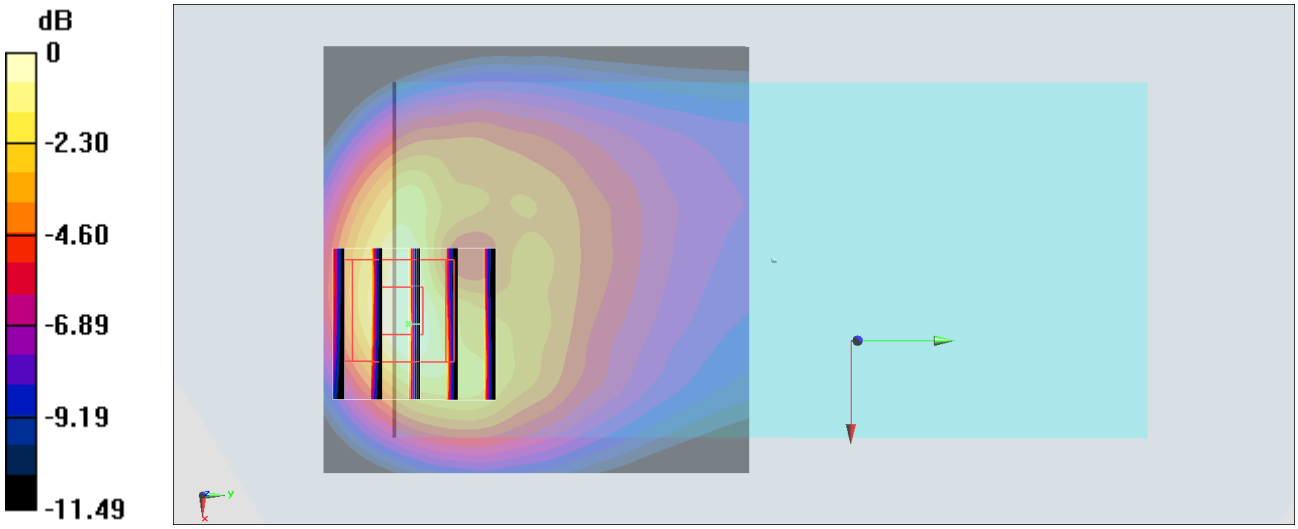
#26_LTE Band 12_10M_QPSK_1_0_Back_5mm_Ch23095

Communication System: LTE ; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: HSL_750_190519 Medium parameters used: f = 707.5 MHz; σ = 0.853 S/m; ε_r = 41.036; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3642; ConvF(9.16, 9.16, 9.16) ; Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.34 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.22 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.747 W/kg; SAR(10 g) = 0.393 W/kg
Maximum value of SAR (measured) = 1.26 W/kg



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

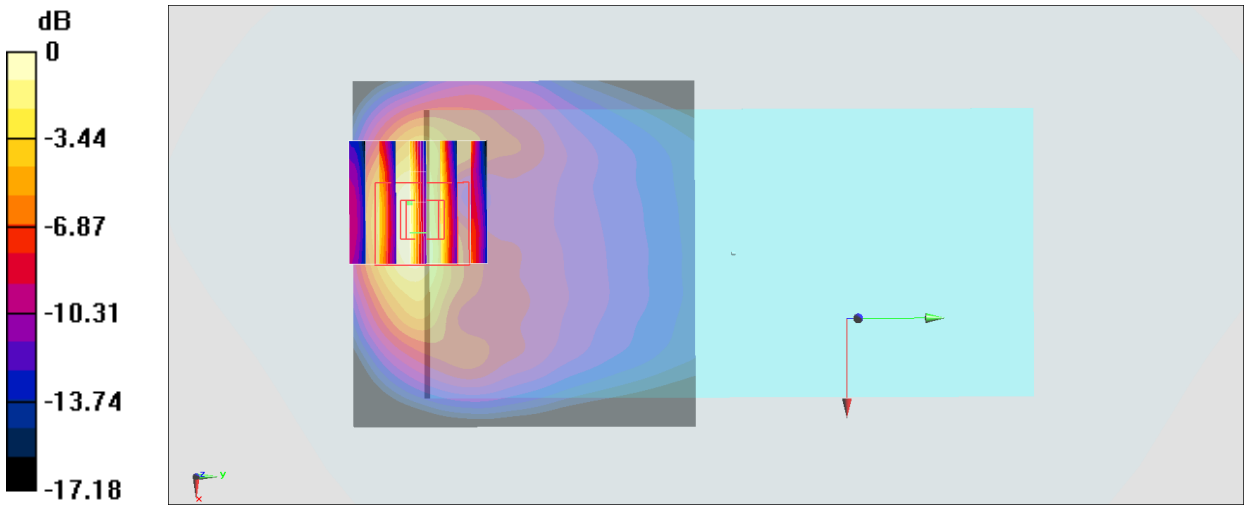
#27_LTE Band 66_20M_QPSK_1_0_Back_5mm_Ch132572

Communication System: LTE ; Frequency: 1770 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190527 Medium parameters used: f = 1770 MHz; σ = 1.392 S/m; ε_r = 41.398; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.63, 8.63, 8.63) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.63 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.49 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 2.26 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.534 W/kg
Maximum value of SAR (measured) = 1.54 W/kg



0 dB = 1.63 W/kg = 2.12 dBW/kg

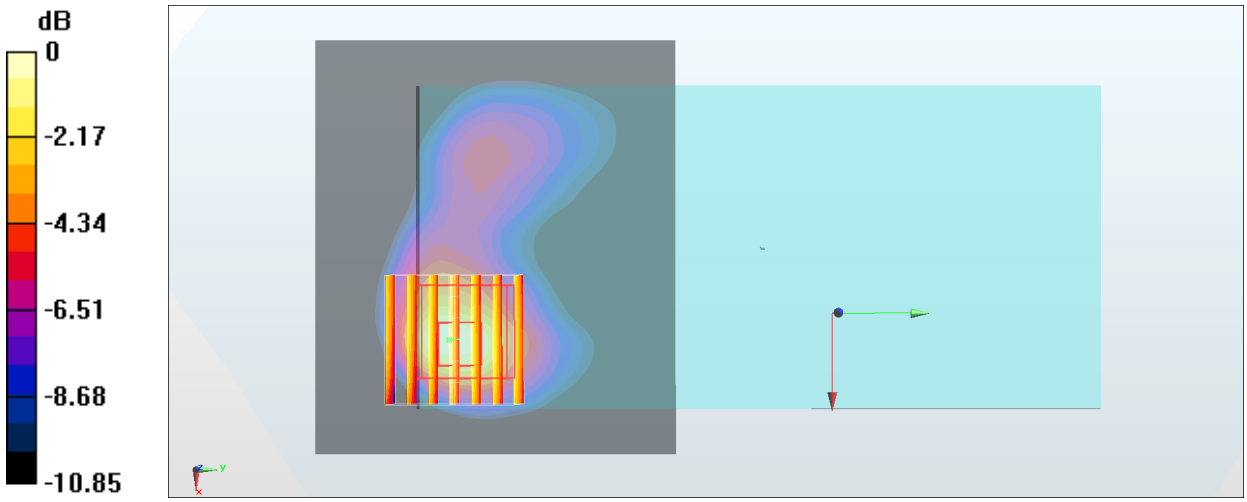
#28_LTE Band 41_20M_QPSK_1_0_Back_5mm_Ch41140

Communication System: LTE TDD ; Frequency: 2645 MHz;Duty Cycle: 1:1.59
Medium: HSL_2600_190530 Medium parameters used : f = 2645 MHz; σ = 2.062 S/m; ε_r = 39.229; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(7.35, 7.35, 7.35) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (81x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 2.14 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 23.15 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 2.81 W/kg
SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.439 W/kg
Maximum value of SAR (measured) = 2.02 W/kg



0 dB = 2.14 W/kg = 3.30 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019/5/18

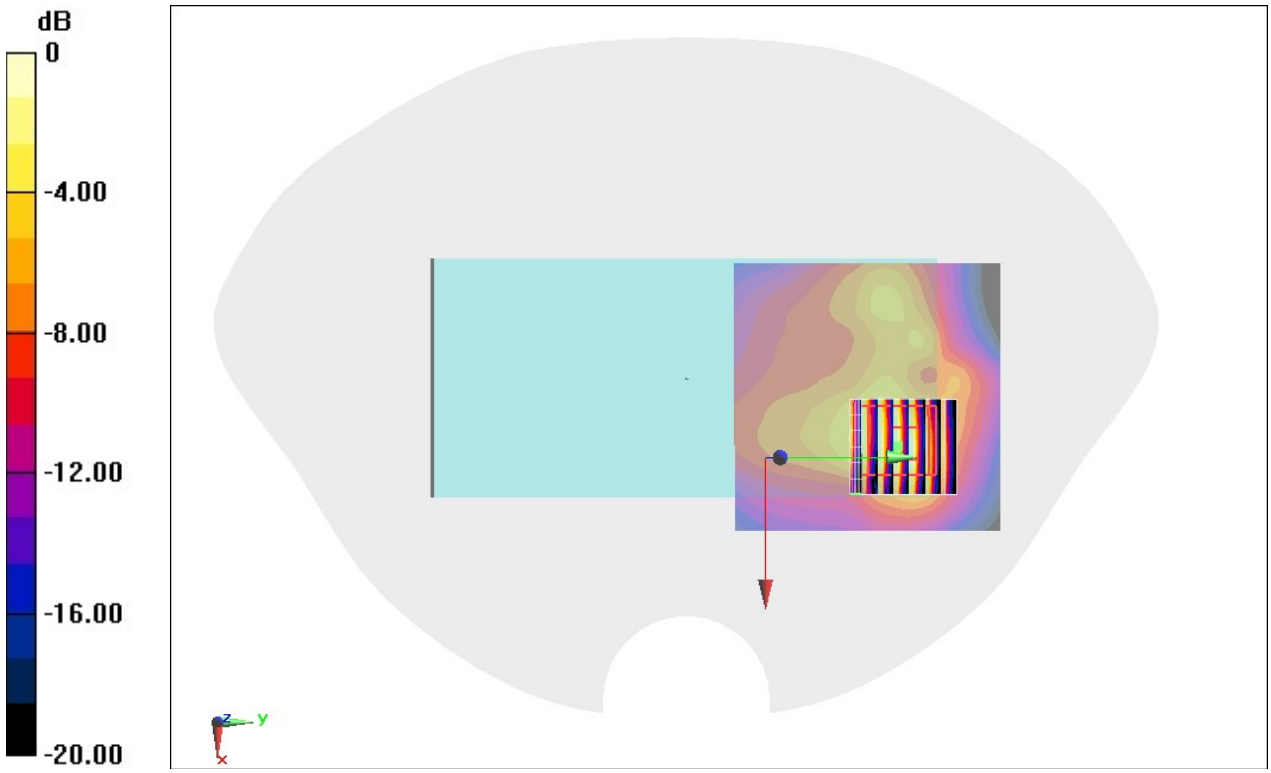
#29_WLAN2.4GHz_802.11b 1Mbps_Front _5mm_Ch6

Communication System: 802.11b ; Frequency: 2437 MHz;Duty Cycle: 1:1.012
Medium: HSL_2450_190518 Medium parameters used : f = 2437 MHz; σ = 1.781 S/m; ε_r = 39.931; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7306;ConvF(7.43, 7.43, 7.43) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.664 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.44 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.887 W/kg
SAR(1 g) = 0.425 W/kg; SAR(10 g) = 0.188 W/kg
Maximum value of SAR (measured) = 0.700 W/kg



0 dB = 0.700 W/kg = -1.55 dBW/kg

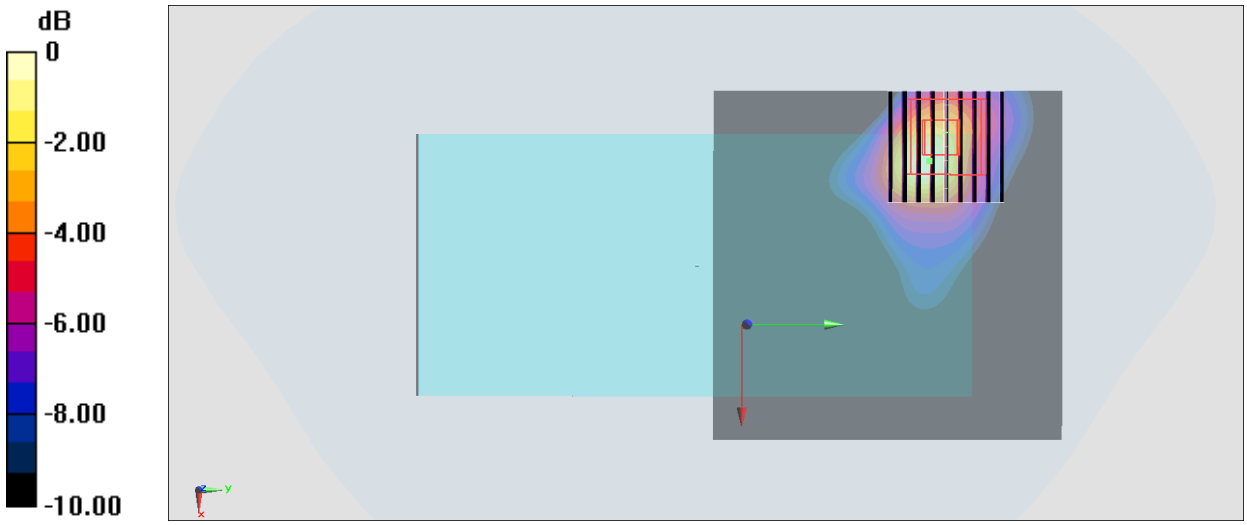
#30_WLAN5GHz_802.11a 6Mbps_Back_5mm_Ch44

Communication System: 802.11a ; Frequency: 5220 MHz;Duty Cycle: 1:1.019
Medium: HSL_5G_190522 Medium parameters used : f = 5220 MHz; σ = 4.479 S/m; ε_r = 37.201; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3728; ConvF(4.77, 4.77, 4.77) ; Calibrated: 2019/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.901 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 12.90 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 2.72 W/kg
SAR(1 g) = 0.647 W/kg; SAR(10 g) = 0.179 W/kg
Maximum value of SAR (measured) = 1.62 W/kg



0 dB = 0.901 W/kg = -0.45 dBW/kg

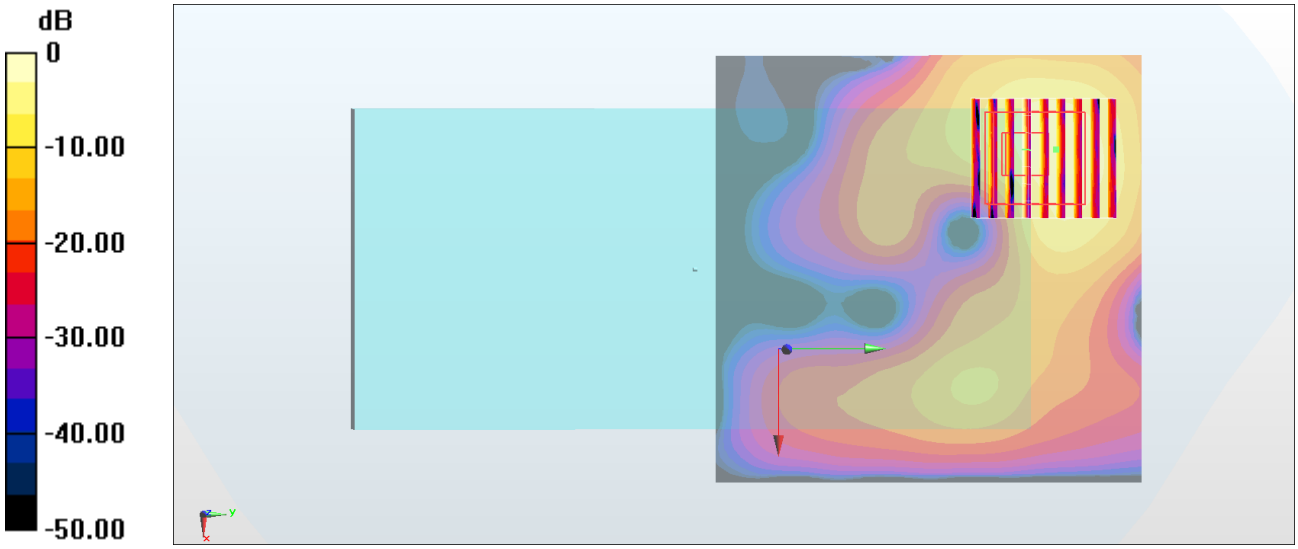
#31_WLAN5GHz_802.11a 6Mbps_Back_5mm_Ch149

Communication System: 802.11a ; Frequency: 5745 MHz;Duty Cycle: 1:1.019
Medium: HSL_5G_190521 Medium parameters used : f = 5745 MHz; σ = 5.038 S/m; ε_r = 36.02; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3642;ConvF(4.36, 4.36, 4.36) ;Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 2018/12/11
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.67 W/kg

Zoom Scan (8x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 22.57 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 6.04 W/kg
SAR(1 g) = 1.33 W/kg; SAR(10 g) = 0.367 W/kg
Maximum value of SAR (measured) = 3.56 W/kg



0 dB = 3.56 W/kg = 5.51 dBW/kg

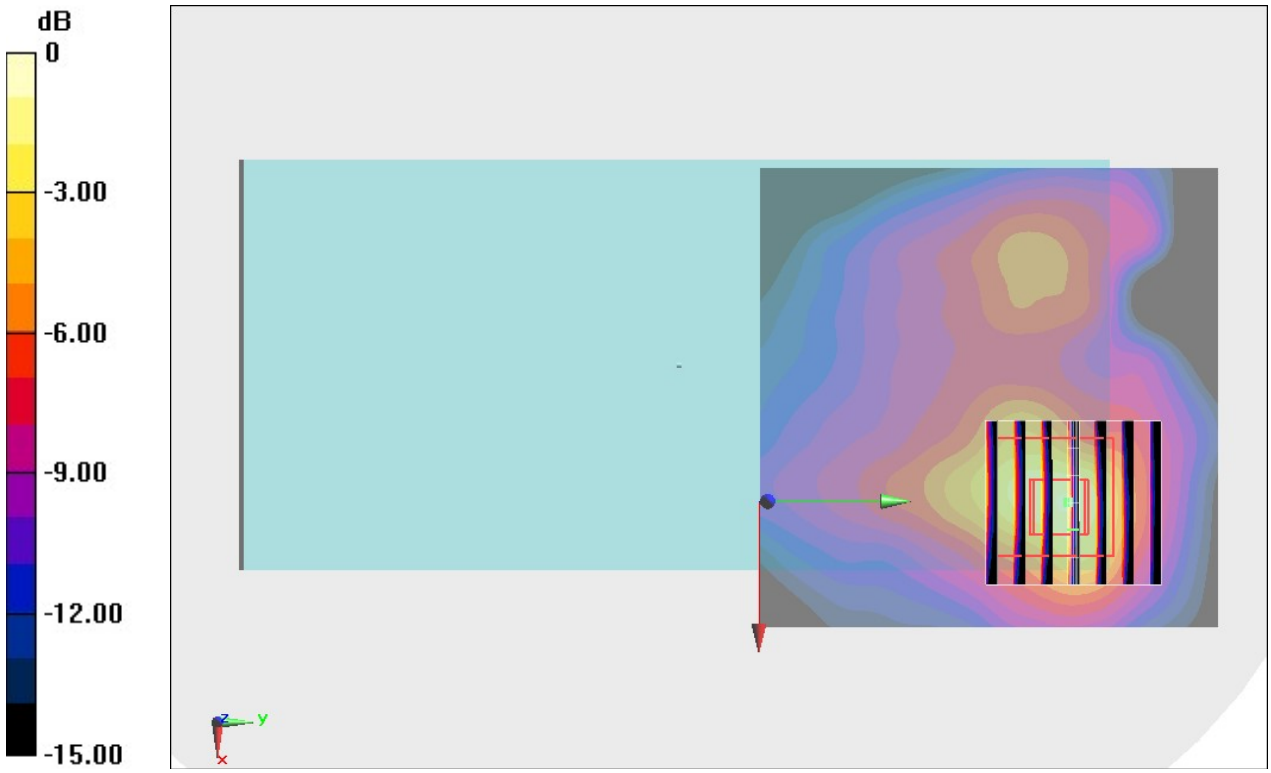
#32_Bluetooth_1Mbps_Front_5mm_Ch0

Communication System: Bluetooth ; Frequency: 2402 MHz;Duty Cycle: 1:1.305
Medium: HSL_2450_190518 Medium parameters used : f = 2402 MHz; σ = 1.738 S/m; ε_r = 40.064; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7306;ConvF(7.43, 7.43, 7.43) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0921 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.130 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.144 W/kg
SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.029 W/kg
Maximum value of SAR (measured) = 0.113 W/kg



0 dB = 0.113 W/kg = -9.47 dBW/kg

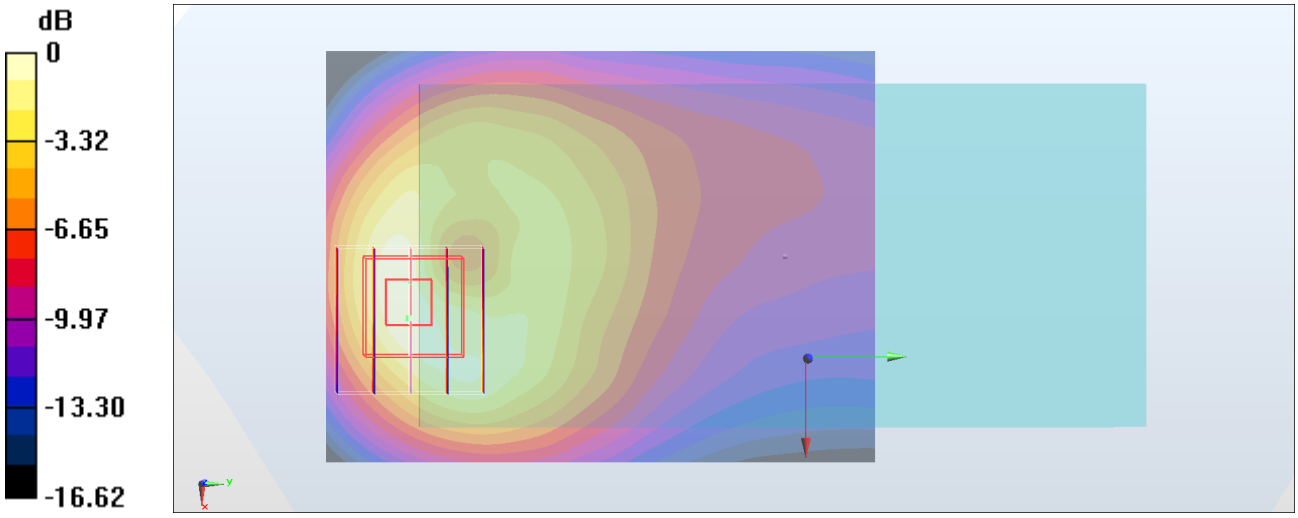
#33_GSM850_GPRS (2 Tx slots)_Back_5mm_Ch251

Communication System: GSM850 ; Frequency: 848.8 MHz;Duty Cycle: 1:4.15
Medium: HSL_850_190530 Medium parameters used: f = 849 MHz; σ = 0.903 S/m; ε_r = 42.228; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(9.75, 9.75, 9.75) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.52 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.44 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 2.12 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.598 W/kg
Maximum value of SAR (measured) = 1.80 W/kg



0 dB = 1.52 W/kg = 1.82 dBW/kg

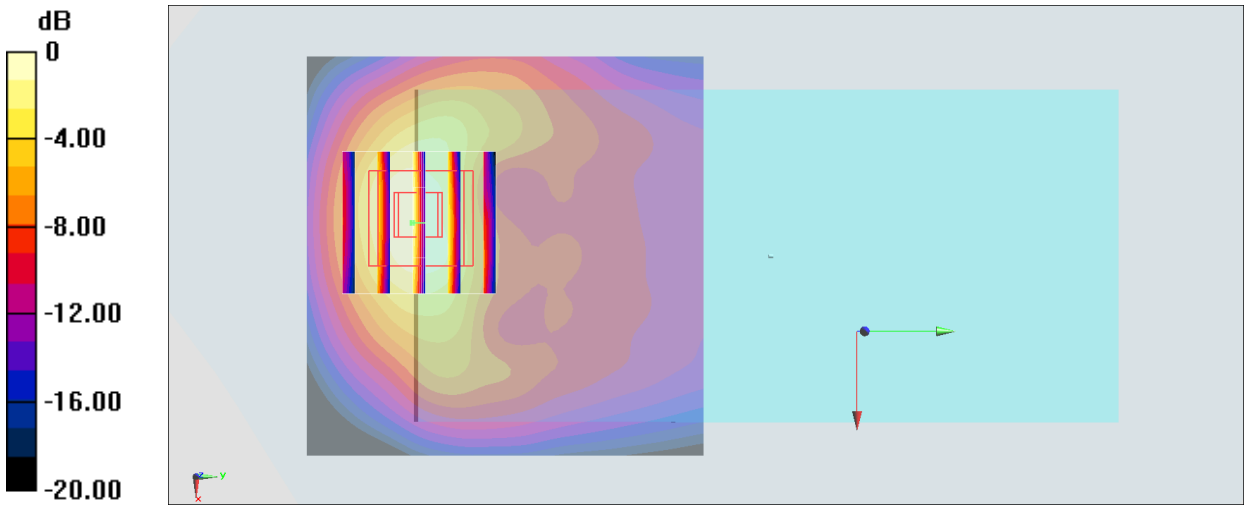
#34_GSM1900_GPRS (2 Tx slots)_Back_5mm_Ch810

Communication System: PCS; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15
Medium: HSL_1900_190528 Medium parameters used: f = 1910 MHz; σ = 1.418 S/m; ε_r = 40.499; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.24, 8.24, 8.24) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (61x61x1): 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 = 26.43 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 2.46 W/kg
SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.586 W/kg
Maximum value of SAR (measured) = 1.93 W/kg



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

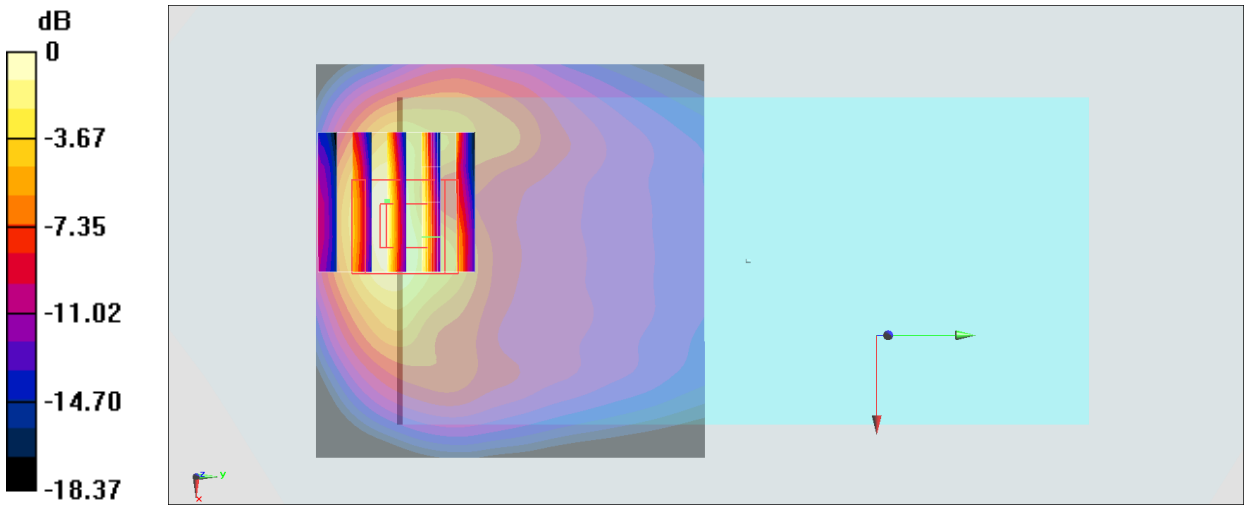
#35_WCDMA II_RMC 12.2Kbps_Back_5mm_Ch9400

Communication System: WCDMA ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190528 Medium parameters used: f = 1880 MHz; σ = 1.387 S/m; ε_r = 40.611; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.24, 8.24, 8.24) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.32 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.62 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 2.01 W/kg
SAR(1 g) = 1.021 W/kg; SAR(10 g) = 0.454 W/kg
Maximum value of SAR (measured) = 1.34 W/kg



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

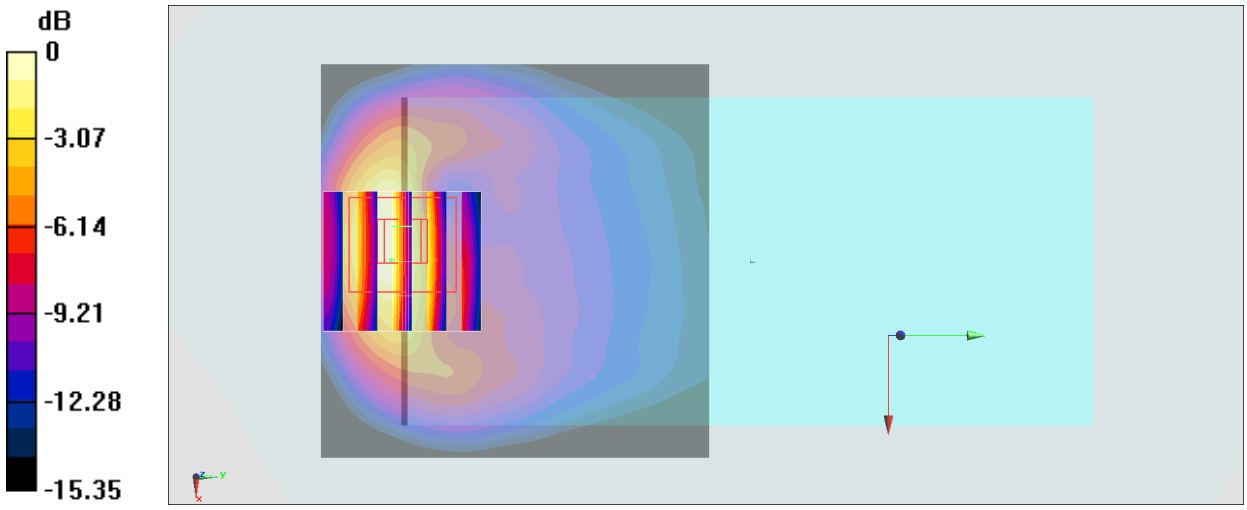
#36_WCDMA IV_RMC 12.2Kbps_Back_5mm_Ch1312

Communication System: WCDMA ; Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190528 Medium parameters used : f = 1712.4 MHz; σ = 1.358 S/m; ε_r = 41.784; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.63, 8.63, 8.63) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (61x61x1): 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 = 15.08 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.69 W/kg
SAR(1 g) = 0.863 W/kg; SAR(10 g) = 0.423 W/kg
Maximum value of SAR (measured) = 1.28 W/kg



0 dB = 1.30 W/kg = 1.14 dBW/kg

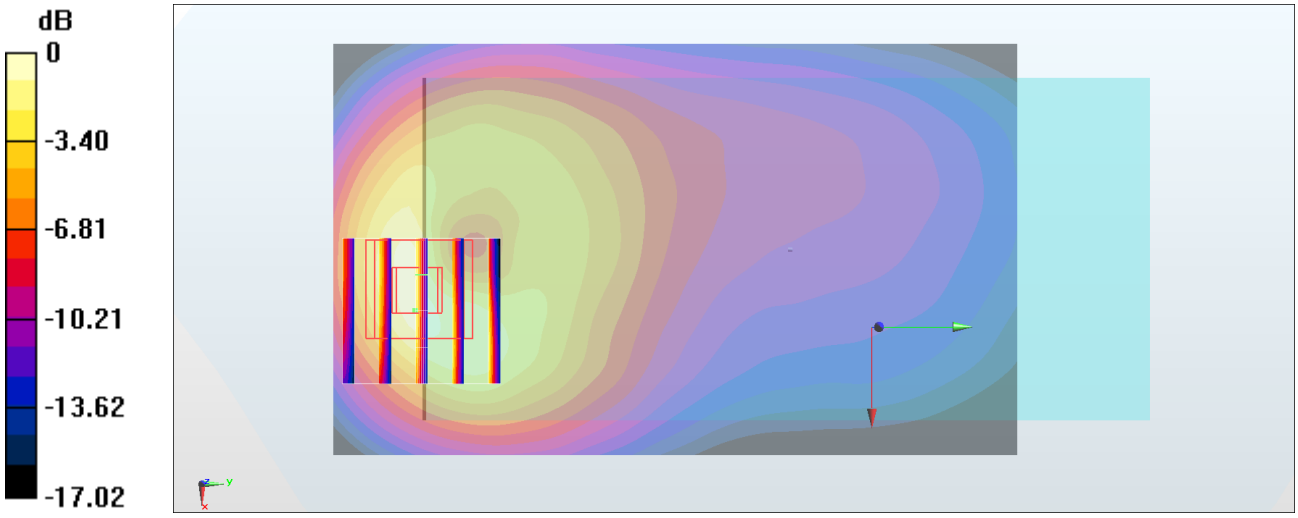
#37_WCDMA V_RMC 12.2Kbps_Back_5mm_Ch4233

Communication System: WCDMA ; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL_850_190530 Medium parameters used: f = 847 MHz; σ = 0.901 S/m; ε_r = 42.254; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(9.75, 9.75, 9.75) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.45 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.80 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.96 W/kg
SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.538 W/kg
Maximum value of SAR (measured) = 1.65 W/kg



0 dB = 1.65 W/kg = 2.17 dBW/kg

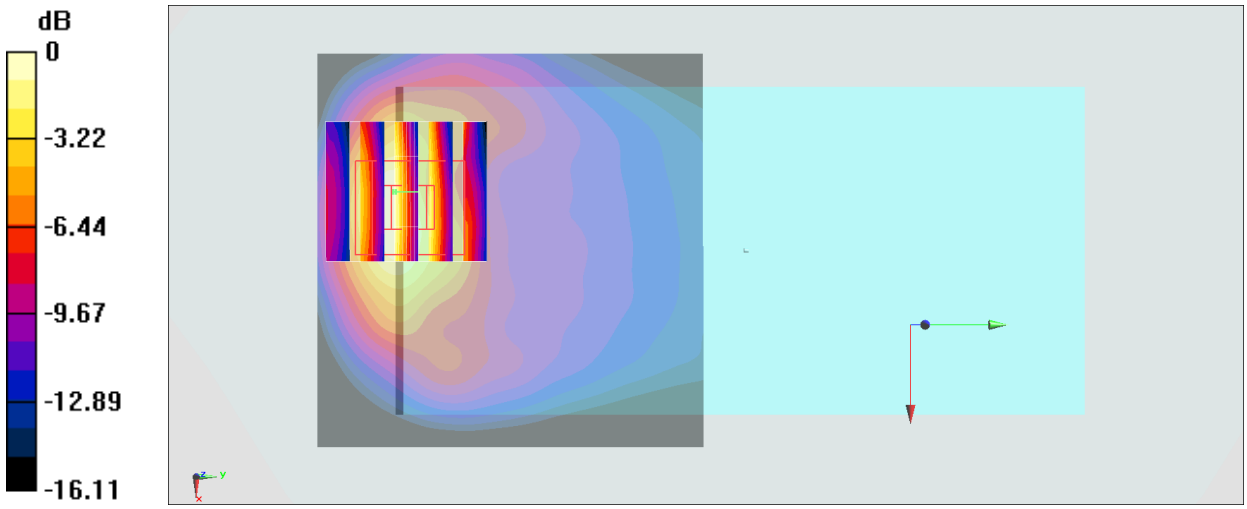
#38_LTE Band 2_20M_QPSK_1_0_Back_5mm_Ch19100

Communication System: LTE ; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190527 Medium parameters used: f = 1900 MHz; σ = 1.421 S/m; ε_r = 40.705; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.24, 8.24, 8.24) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.38 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.46 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 2.06 W/kg
SAR(1 g) = 0.986 W/kg; SAR(10 g) = 0.457 W/kg
Maximum value of SAR (measured) = 1.46 W/kg



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

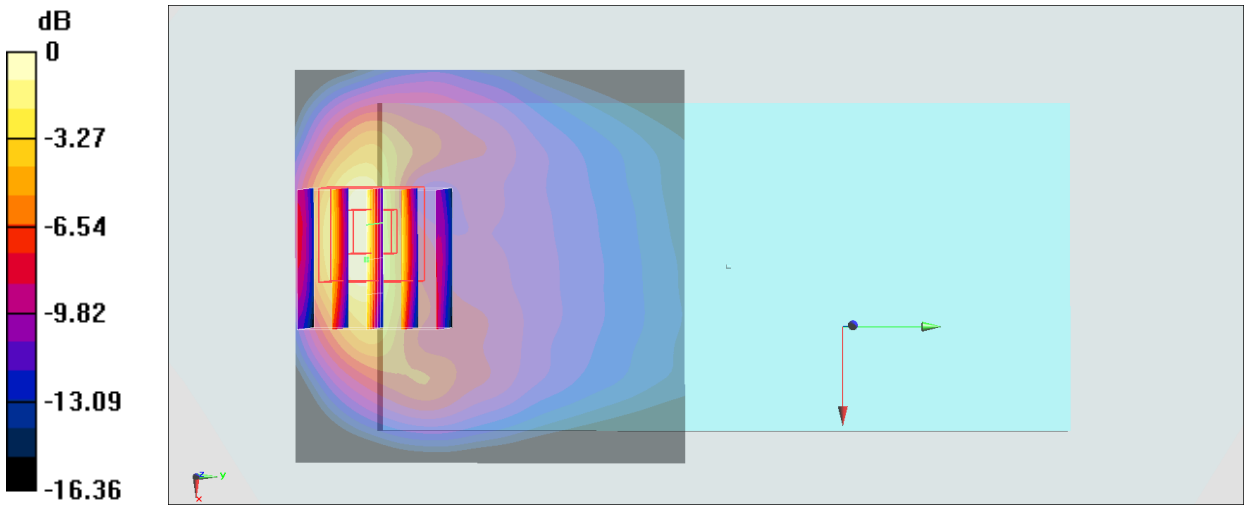
#39_LTE Band 4_20M_QPSK_1_0_Back_5mm_Ch20175

Communication System: LTE ; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190527 Medium parameters used: f = 1733 MHz; σ = 1.362 S/m; ε_r = 41.487; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.63, 8.63, 8.63) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.67 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.57 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 2.30 W/kg
SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.568 W/kg
Maximum value of SAR (measured) = 1.85 W/kg



0 dB = 1.67 W/kg = 2.23 dBW/kg

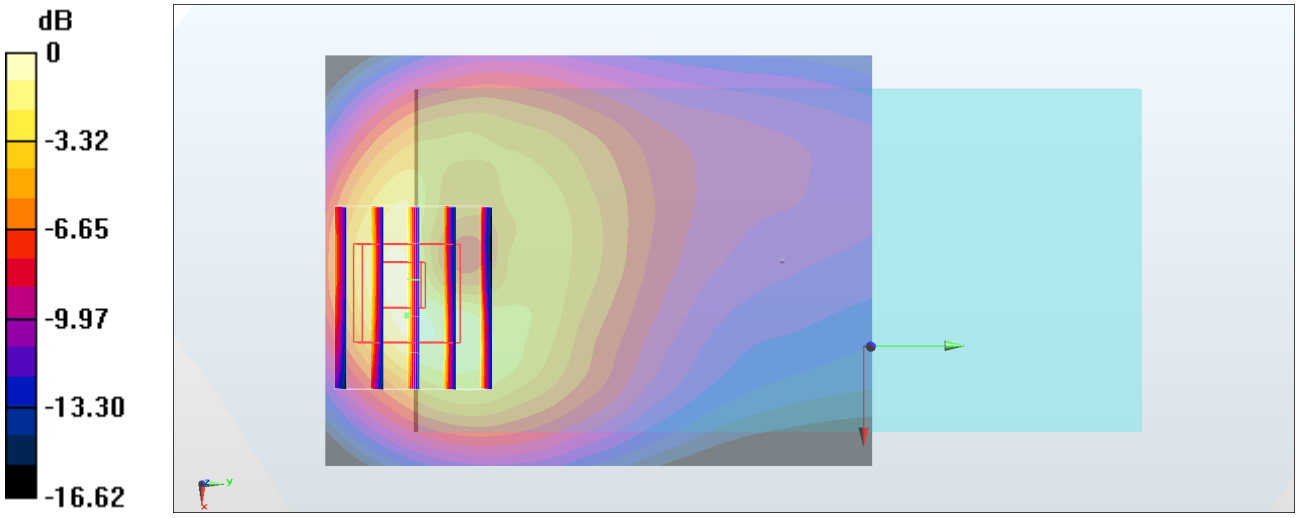
#40_LTE Band 5_10M_QPSK_25_0_Back_5mm_Ch20525

Communication System: LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL_850_190530 Medium parameters used : f = 836.5 MHz; σ = 0.891 S/m; ε_r = 42.409; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(9.75, 9.75, 9.75) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.45 W/kg

Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.37 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.98 W/kg
SAR(1 g) = 0.997 W/kg; SAR(10 g) = 0.524 W/kg
Maximum value of SAR (measured) = 1.65 W/kg



0 dB = 1.65 W/kg = 2.17 dBW/kg

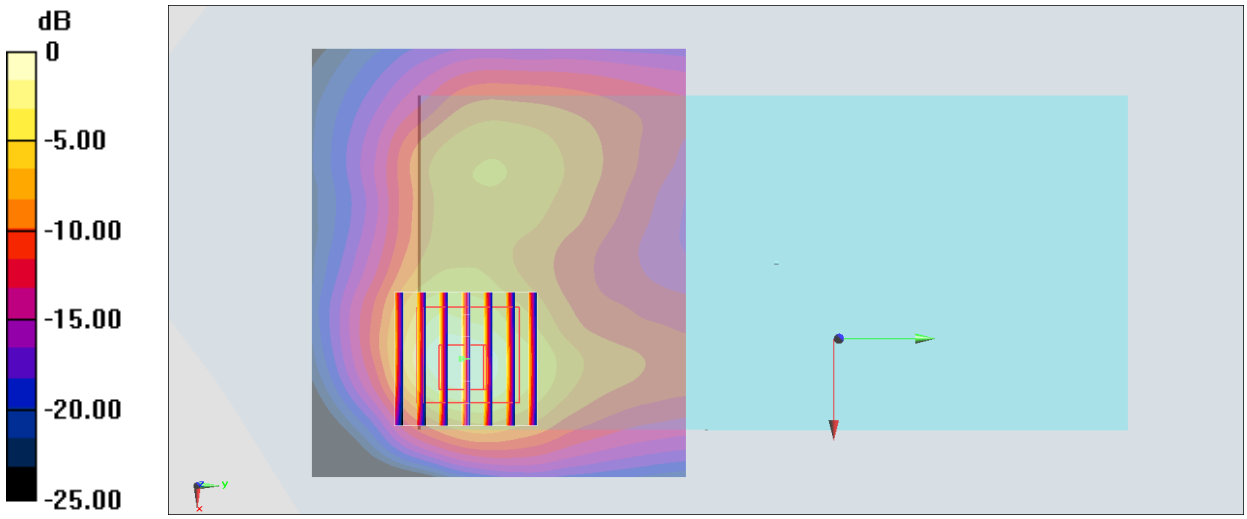
#41_LTE Band 7_20M_QPSK_50_0_Back_5mm_Ch21350

Communication System: LTE; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium: HSL_2600_190530 Medium parameters used: f = 2560 MHz; σ = 1.981 S/m; ε_r = 39.514; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(7.35, 7.35, 7.35) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (81x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 2.08 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 22.73 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 2.82 W/kg
SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.446 W/kg
Maximum value of SAR (measured) = 2.02 W/kg



0 dB = 2.08 W/kg = 3.18 dBW/kg

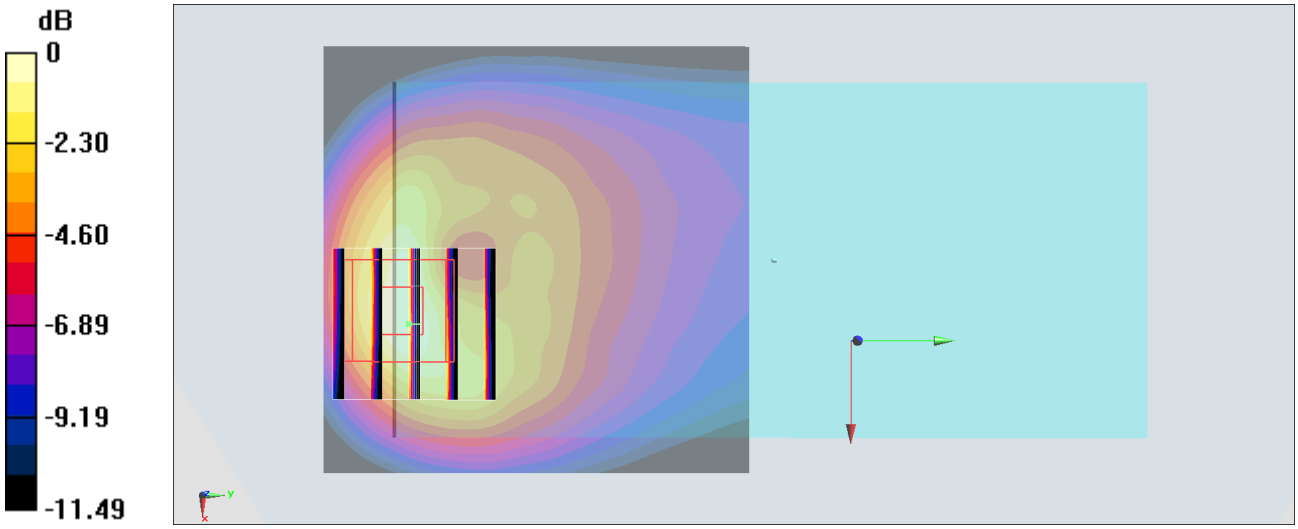
#42_LTE Band 12_10M_QPSK_1_0_Back_5mm_Ch23095

Communication System: LTE ; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: HSL_750_190519 Medium parameters used: f = 707.5 MHz; σ = 0.853 S/m; ε_r = 41.036; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3642; ConvF(9.16, 9.16, 9.16) ; Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.34 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.22 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.747 W/kg; SAR(10 g) = 0.393 W/kg
Maximum value of SAR (measured) = 1.26 W/kg



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

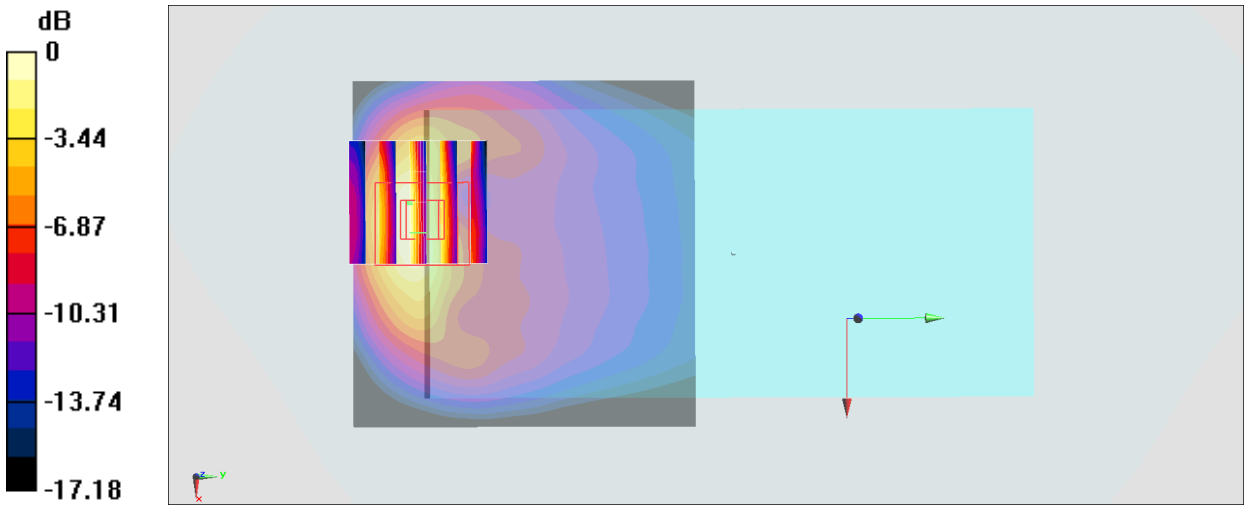
#43_LTE Band 66_20M_QPSK_1_0_Back_5mm_Ch132572

Communication System: LTE ; Frequency: 1770 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190527 Medium parameters used: f = 1770 MHz; σ = 1.392 S/m; ε_r = 41.398; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.63, 8.63, 8.63) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.63 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.49 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 2.26 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.534 W/kg
Maximum value of SAR (measured) = 1.54 W/kg



0 dB = 1.63 W/kg = 2.12 dBW/kg

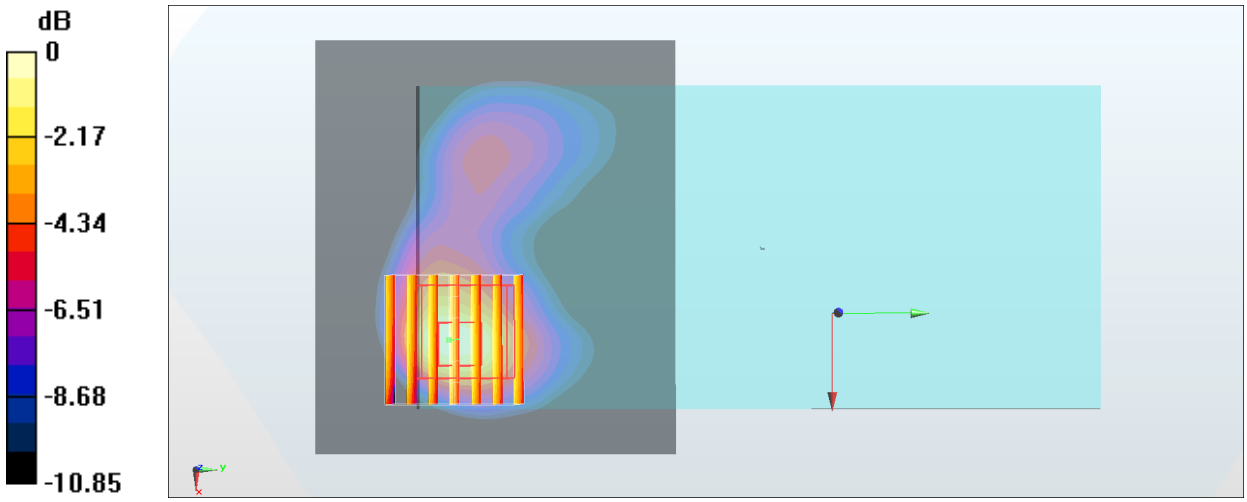
#44_LTE Band 41_20M_QPSK_1_0_Back_5mm_Ch41140

Communication System: LTE TDD ; Frequency: 2645 MHz;Duty Cycle: 1:1.59
Medium: HSL_2600_190530 Medium parameters used : f = 2645 MHz; σ = 2.062 S/m; ε_r = 39.229; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(7.35, 7.35, 7.35) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (81x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 2.14 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 23.15 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 2.81 W/kg
SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.439 W/kg
Maximum value of SAR (measured) = 2.02 W/kg



0 dB = 2.14 W/kg = 3.30 dBW/kg

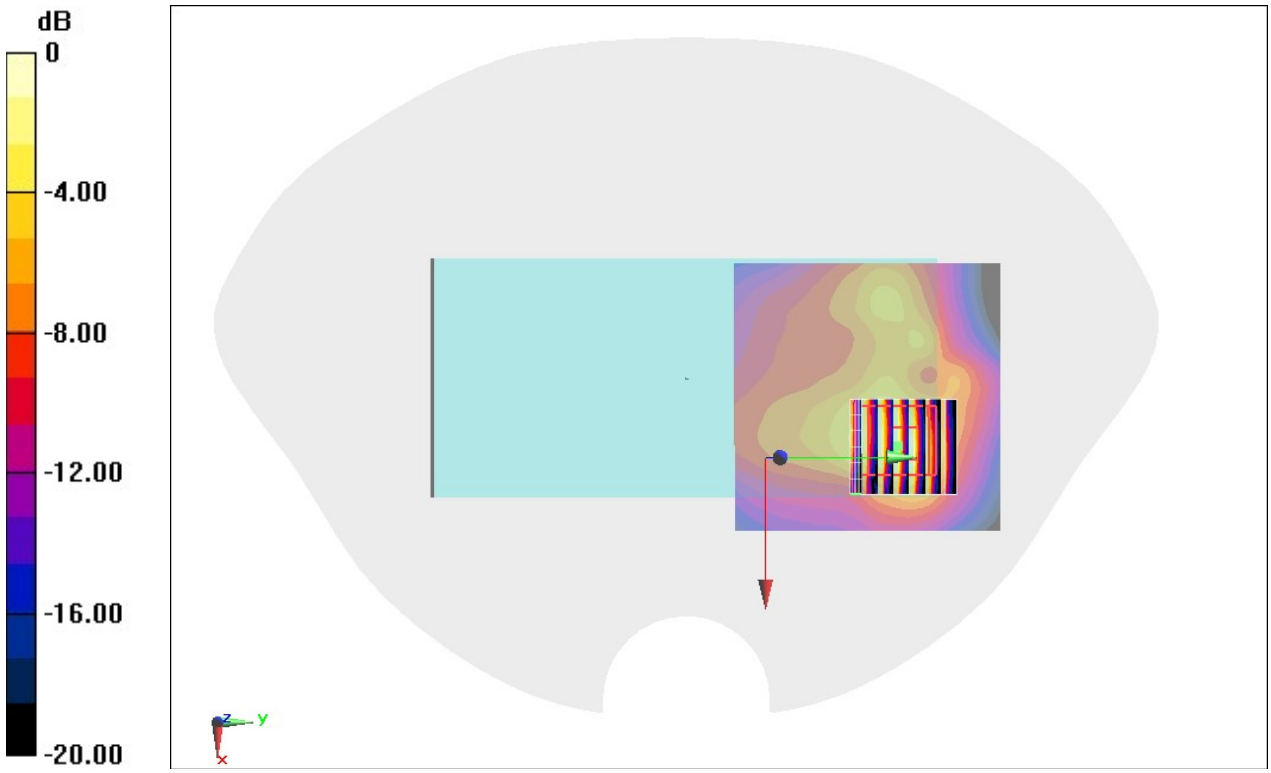
#45_WLAN2.4GHz_802.11b 1Mbps_Front _5mm_Ch6

Communication System: 802.11b ; Frequency: 2437 MHz;Duty Cycle: 1:1.012
Medium: HSL_2450_190518 Medium parameters used : f = 2437 MHz; σ = 1.781 S/m; ε_r = 39.931; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7306;ConvF(7.43, 7.43, 7.43) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.664 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.44 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.887 W/kg
SAR(1 g) = 0.425 W/kg; SAR(10 g) = 0.188 W/kg
Maximum value of SAR (measured) = 0.700 W/kg



0 dB = 0.700 W/kg = -1.55 dBW/kg

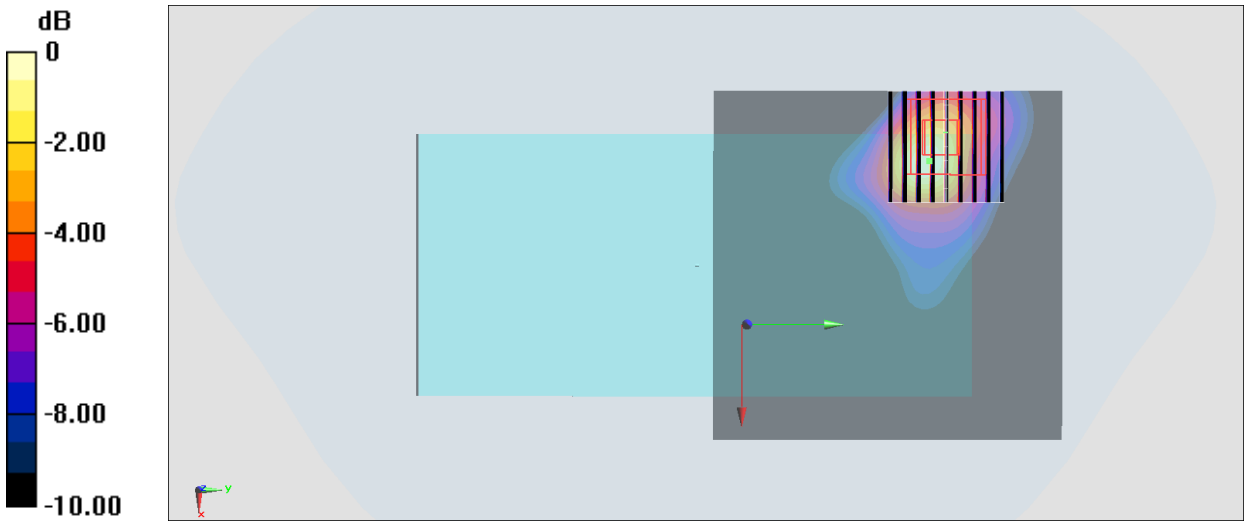
#46_WLAN5GHz_802.11a 6Mbps_Back_5mm_Ch52

Communication System: 802.11a ; Frequency: 5260 MHz;Duty Cycle: 1:1.019
Medium: HSL_5G_190518 Medium parameters used : f = 5260 MHz; σ = 4.642 S/m; ε_r = 36.141; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7306;ConvF(5.38, 5.38, 5.38) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.901 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 12.90 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 2.72 W/kg
SAR(1 g) = 0.647 W/kg; SAR(10 g) = 0.179 W/kg
Maximum value of SAR (measured) = 1.62 W/kg



0 dB = 0.901 W/kg = -0.45 dBW/kg

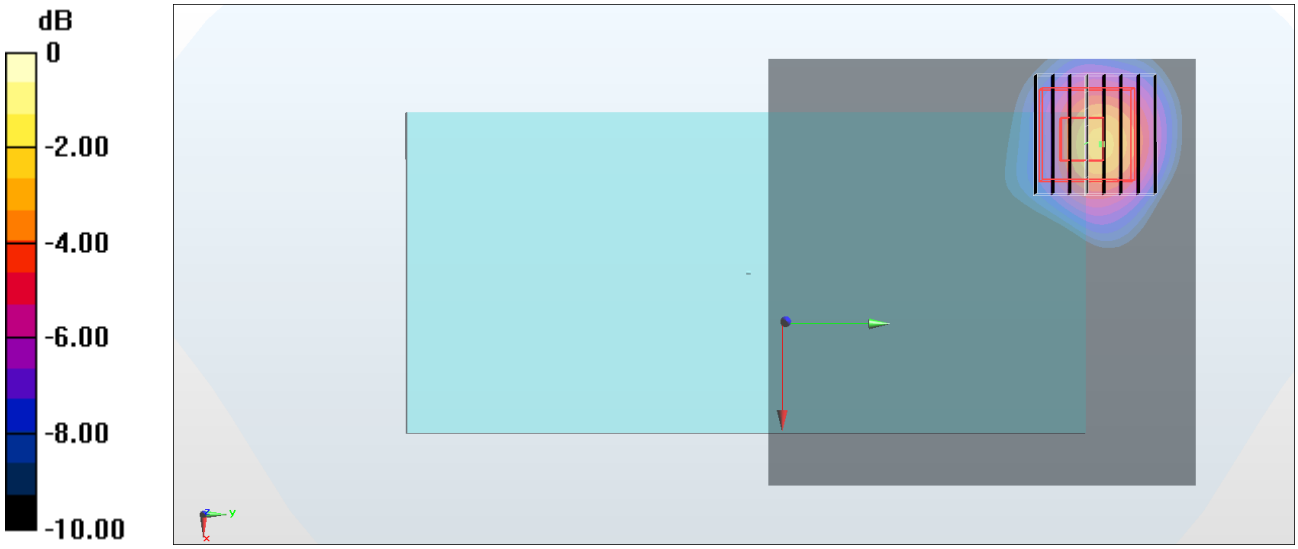
#47_WLAN5GHz_802.11a 6Mbps_Back_5mm_Ch116

Communication System: 802.11a ; Frequency: 5580 MHz;Duty Cycle: 1:1.019
Medium: HSL_5G_190521 Medium parameters used: f = 5580 MHz; σ = 4.87 S/m; ε_r = 36.234; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3642;ConvF(4.28, 4.28, 4.28) ;Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 2018/12/11
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.06 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 11.05 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.04 W/kg
SAR(1 g) = 0.727 W/kg; SAR(10 g) = 0.212 W/kg
Maximum value of SAR (measured) = 1.81 W/kg



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

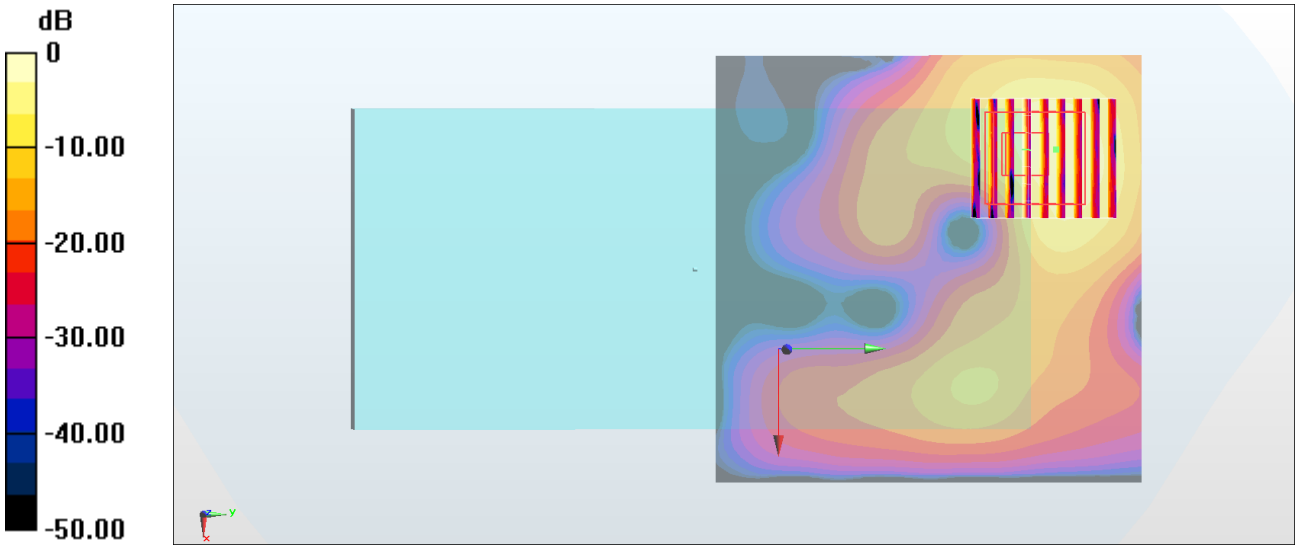
#48_WLAN5GHz_802.11a 6Mbps_Back_5mm_Ch149

Communication System: 802.11a ; Frequency: 5745 MHz;Duty Cycle: 1:1.019
Medium: HSL_5G_190521 Medium parameters used : f = 5745 MHz; σ = 5.038 S/m; ε_r = 36.02; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3642;ConvF(4.36, 4.36, 4.36) ;Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 2018/12/11
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.67 W/kg

Zoom Scan (8x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 22.57 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 6.04 W/kg
SAR(1 g) = 1.33 W/kg; SAR(10 g) = 0.367 W/kg
Maximum value of SAR (measured) = 3.56 W/kg



0 dB = 3.56 W/kg = 5.51 dBW/kg

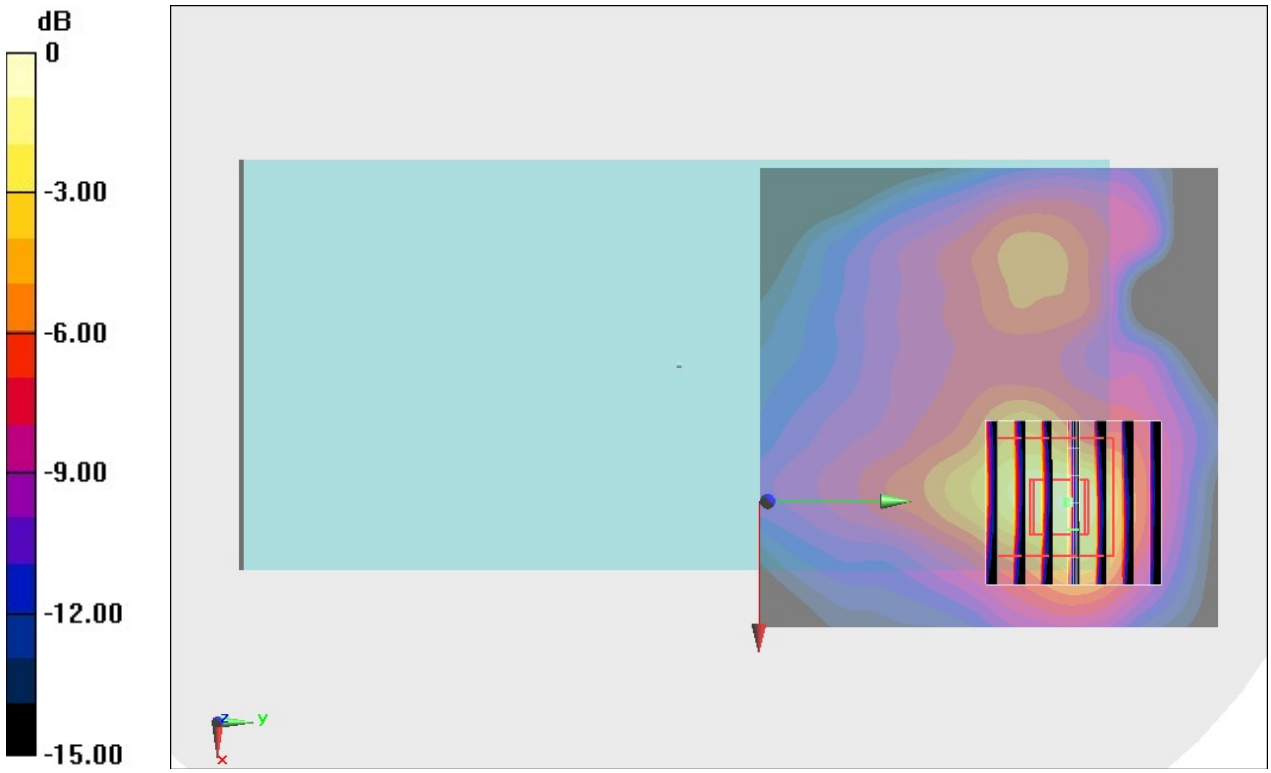
#49_Bluetooth_1Mbps_Front_5mm_Ch0

Communication System: Bluetooth ; Frequency: 2402 MHz;Duty Cycle: 1:1.297
Medium: HSL_2450_190518 Medium parameters used : f = 2402 MHz; σ = 1.738 S/m; ε_r = 40.064; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7306;ConvF(7.43, 7.43, 7.43) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0921 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.130 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.144 W/kg
SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.029 W/kg
Maximum value of SAR (measured) = 0.113 W/kg



0 dB = 0.113 W/kg = -9.47 dBW/kg

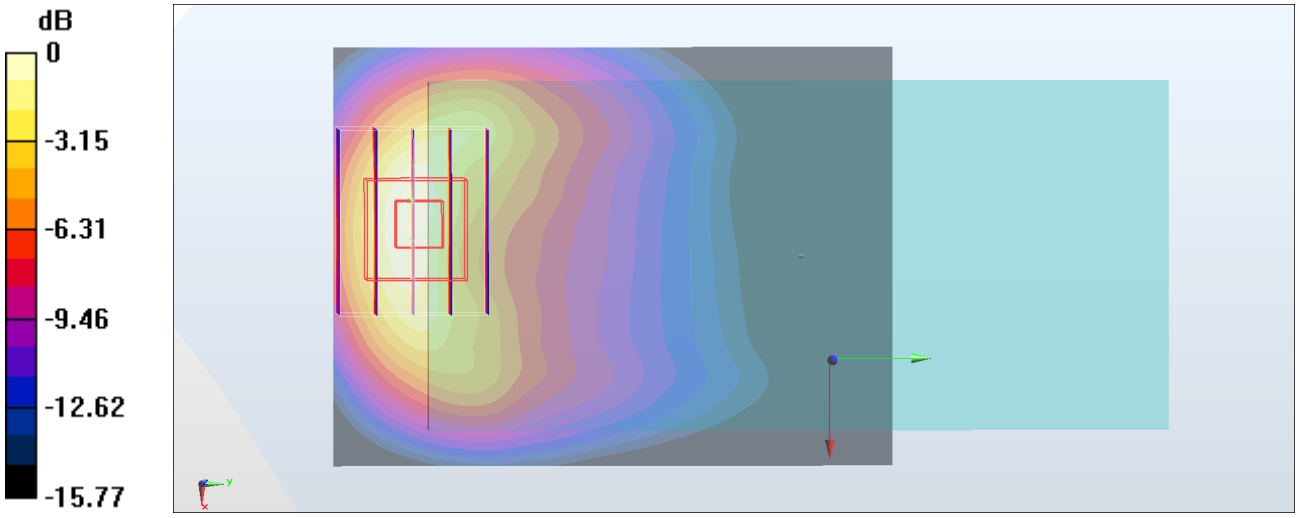
#50_GSM850_GPRS (2 Tx slots)_Front_0mm_Ch128

Communication System: GSM850 ; Frequency: 824.2 MHz;Duty Cycle: 1:4.15
Medium: HSL_850_190530 Medium parameters used : f = 824.2 MHz; σ = 0.88 S/m; ε_r = 42.583; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(9.75, 9.75, 9.75) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.53 W/kg

Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 38.32 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 6.48 W/kg
SAR(1 g) = 3.15 W/kg; SAR(10 g) = 1.68 W/kg
Maximum value of SAR (measured) = 4.89 W/kg



0 dB = 4.53 W/kg = 6.56 dBW/kg

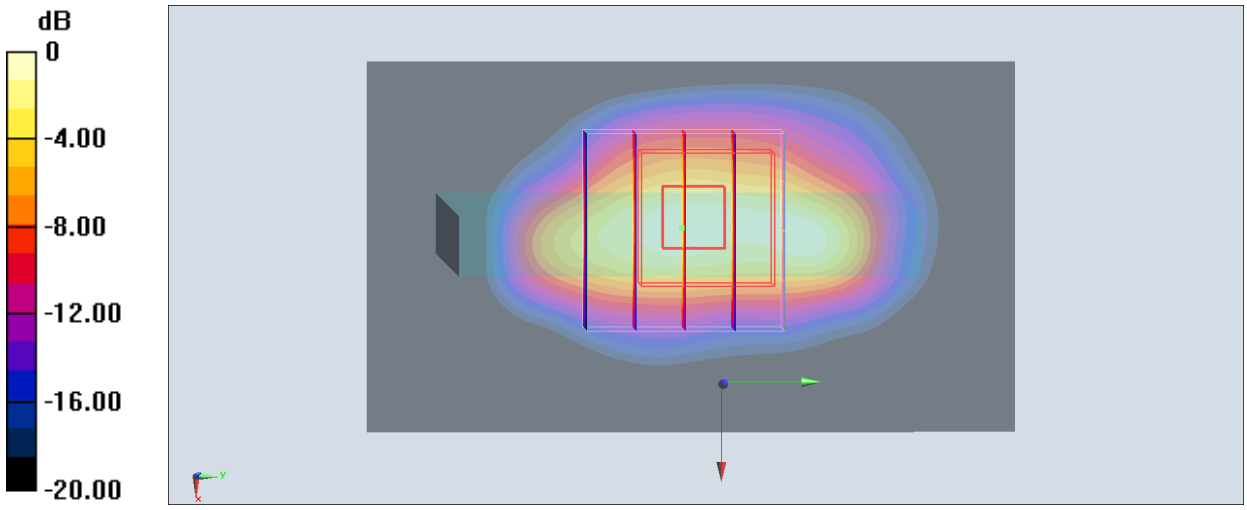
#51_GSM1900_GPRS (2 Tx slots)_Bottom Side_0mm_Ch810

Communication System: PCS ; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15
Medium: HSL_1900_190528 Medium parameters used: f = 1910 MHz; σ = 1.418 S/m; ε_r = 40.499; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.24, 8.24, 8.24) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 12.2 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 54.20 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 16.4 W/kg
SAR(1 g) = 6.85 W/kg; SAR(10 g) = 3.06 W/kg
Maximum value of SAR (measured) = 12.7 W/kg



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

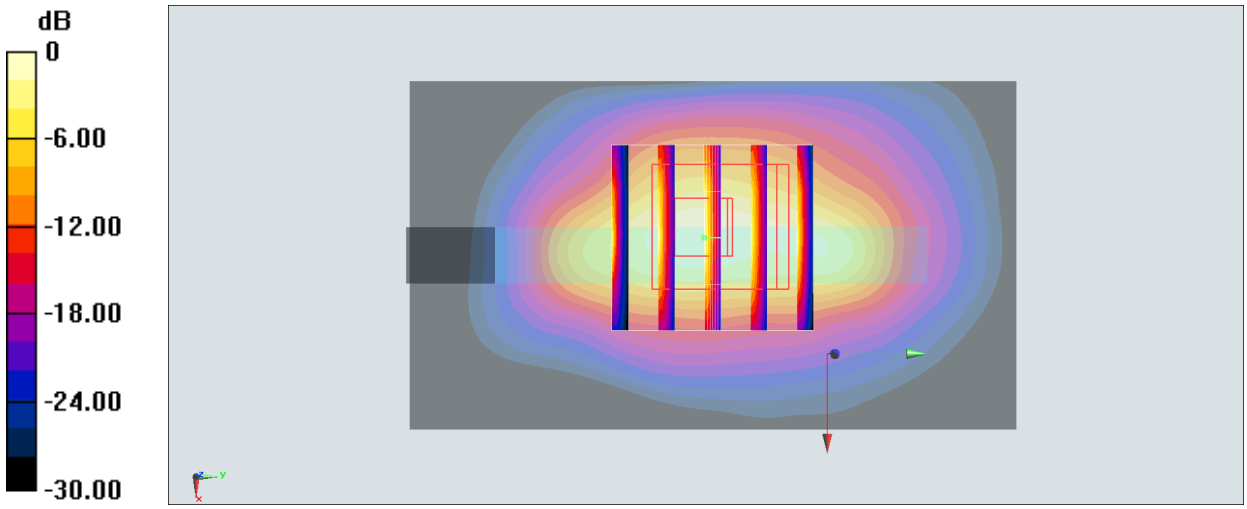
#52_WCDMA II_RMC 12.2Kbps_Bottom Side_0mm_Ch9538

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190527 Medium parameters used: f = 1908 MHz; σ = 1.428 S/m; ε_r = 40.685; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.24, 8.24, 8.24) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 11.9 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 71.61 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 15.8 W/kg
SAR(1 g) = 6.57 W/kg; SAR(10 g) = 2.81 W/kg
Maximum value of SAR (measured) = 11.8 W/kg



0 dB = 11.9 W/kg = 10.76 dBW/kg

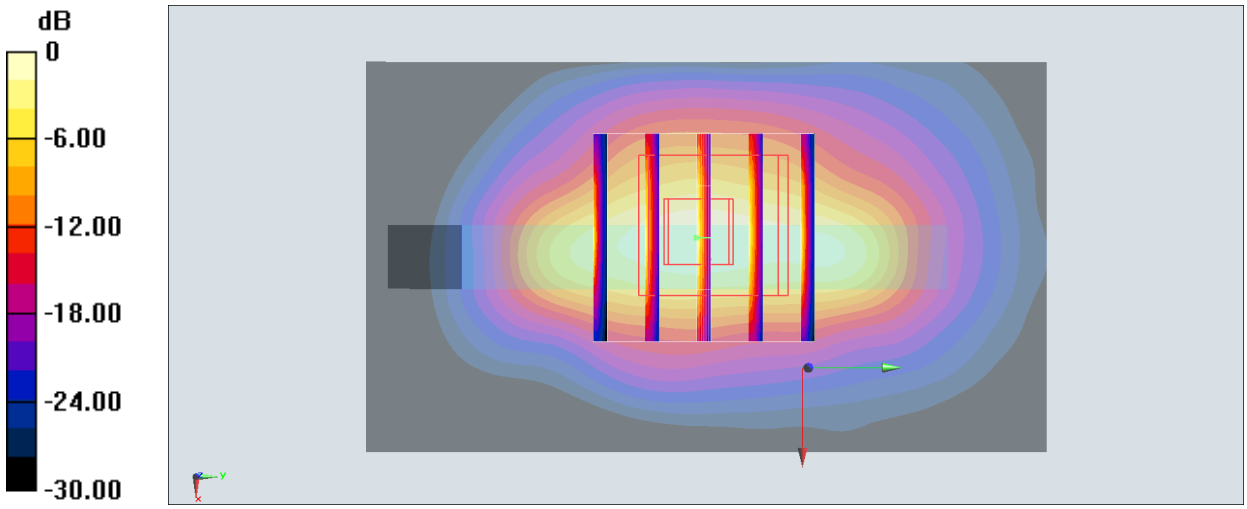
#53_WCDMA IV_RMC 12.2Kbps_Bottom Side_0mm_Ch1513

Communication System: WCDMA; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190527 Medium parameters used: f = 1753 MHz; σ = 1.378 S/m; ε_r = 41.434; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.63, 8.63, 8.63) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 11.3 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 71.30 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 14.0 W/kg
SAR(1 g) = 5.99 W/kg; SAR(10 g) = 2.61 W/kg
Maximum value of SAR (measured) = 11.1 W/kg



0 dB = 11.3 W/kg = 10.53 dBW/kg

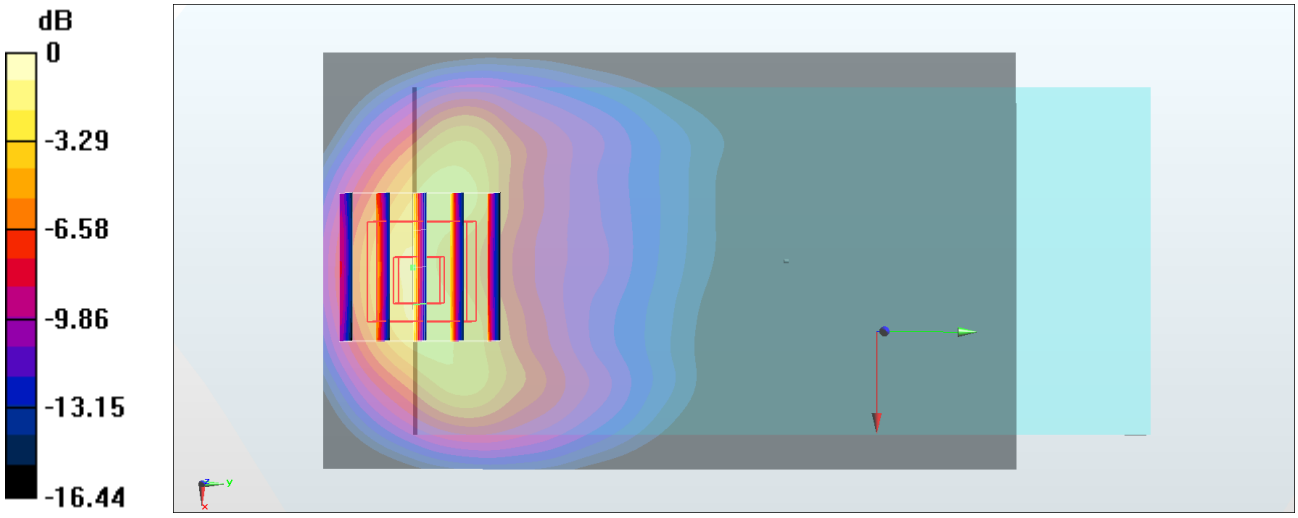
#54_WCDMA V_RMC 12.2Kbps_Back_0mm_Ch4233

Communication System: WCDMA ; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL_850_190530 Medium parameters used: f = 847 MHz; σ = 0.901 S/m; ε_r = 42.254; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(9.75, 9.75, 9.75) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.96 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 62.75 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 12.6 W/kg
SAR(1 g) = 5.19 W/kg; SAR(10 g) = 2.61 W/kg
Maximum value of SAR (measured) = 9.38 W/kg



0 dB = 9.38 W/kg = 9.72 dBW/kg

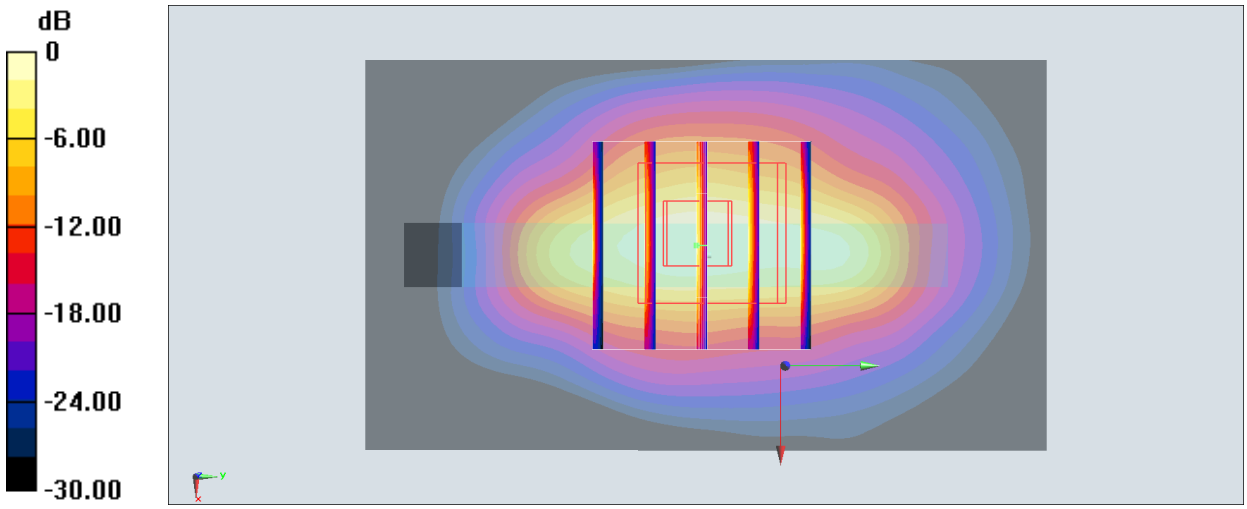
#55_LTE Band 2_20M_QPSK_1_0_Bottom Side_0mm_Ch19100

Communication System: LTE; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_190527 Medium parameters used: f = 1900 MHz; σ = 1.421 S/m; ε_r = 40.705; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.24, 8.24, 8.24) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 13.3 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 78.25 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 16.0 W/kg
SAR(1 g) = 6.61 W/kg; SAR(10 g) = 2.85 W/kg
Maximum value of SAR (measured) = 11.9 W/kg



0 dB = 13.3 W/kg = 11.24 dBW/kg

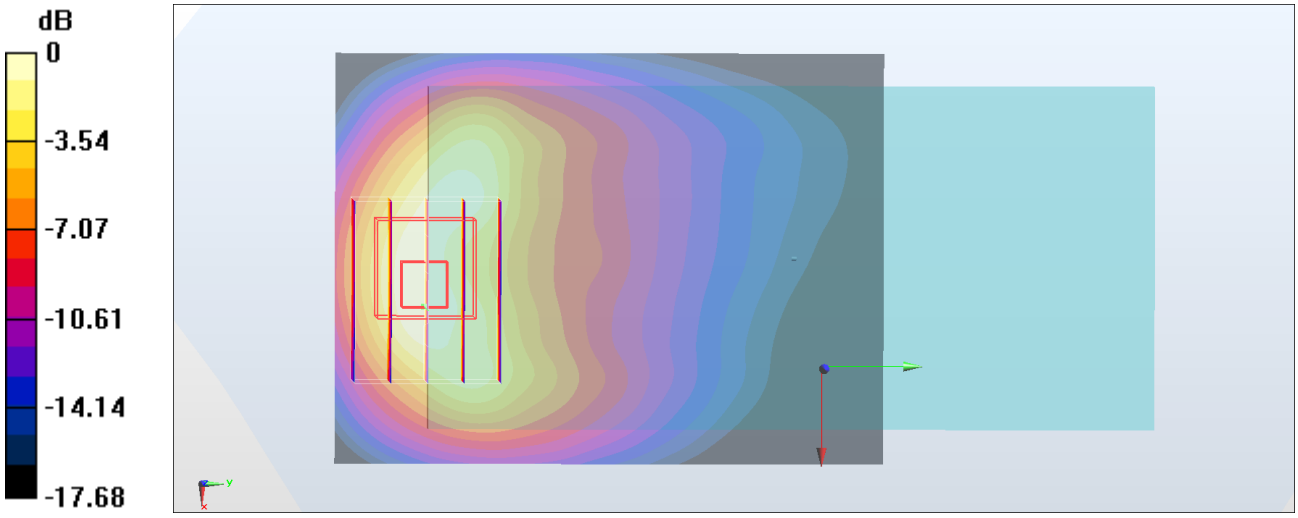
#56_LTE Band 5_10M_QPSK_1_0_Back_0mm_Ch20525

Communication System: LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL_850_190530 Medium parameters used : f = 836.5 MHz; σ = 0.891 S/m; ε_r = 42.409; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7515;ConvF(9.75, 9.75, 9.75) ;Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.40 W/kg

Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 51.45 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 10.3 W/kg
SAR(1 g) = 4.65 W/kg; SAR(10 g) = 2.33 W/kg
Maximum value of SAR (measured) = 8.26 W/kg



0 dB = 5.40 W/kg = 7.32 dBW/kg

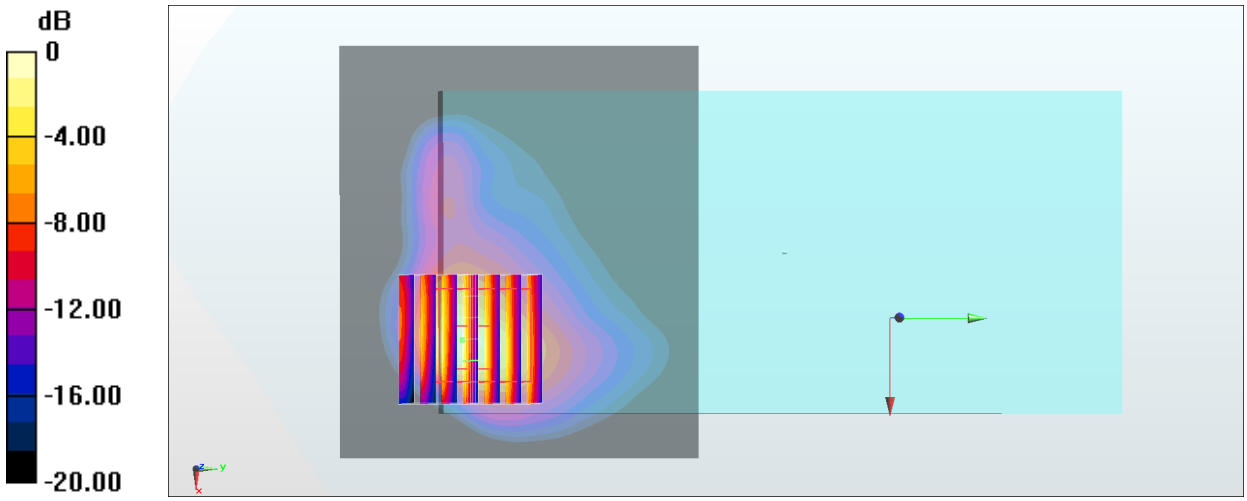
#57_LTE Band 7_20M_QPSK_1_0_Back_0mm_Ch21350

Communication System: LTE ; Frequency: 2560 MHz;Duty Cycle: 1:1
Medium: HSL_2600_190530 Medium parameters used: f = 2560 MHz; σ = 1.981 S/m; ε_r = 39.514; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(7.35, 7.35, 7.35) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (81x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 22.7 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 59.94 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 30.1 W/kg
SAR(1 g) = 8.76 W/kg; SAR(10 g) = 3.12 W/kg
Maximum value of SAR (measured) = 17.9 W/kg



0 dB = 22.7 W/kg = 13.56 dBW/kg

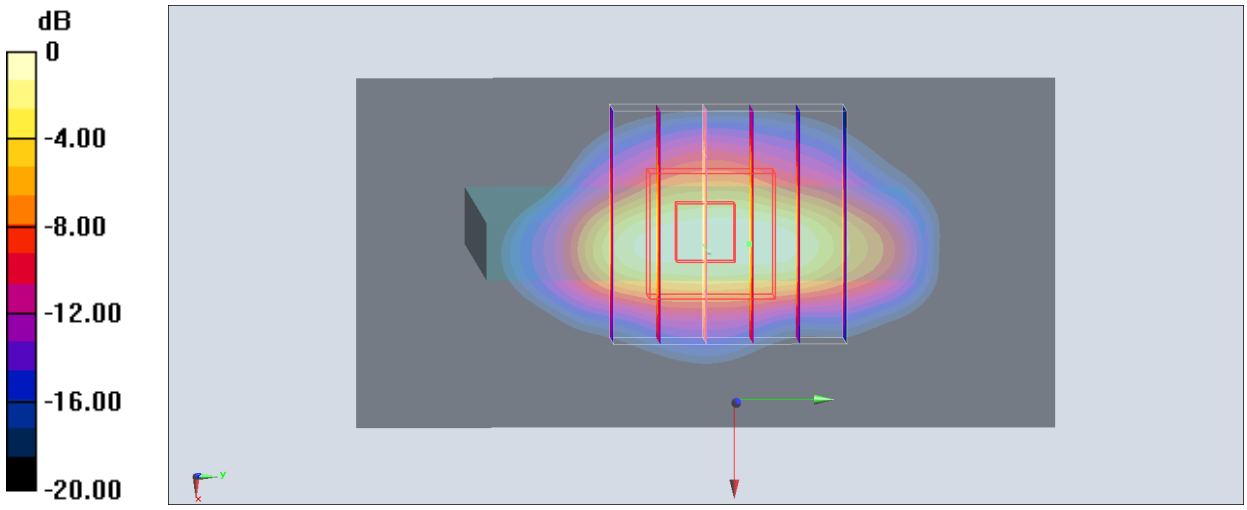
#58_LTE Band 66_20M_QPSK_1_0_Bottom Side_0mm_Ch132572

Communication System: LTE ; Frequency: 1770 MHz;Duty Cycle: 1:1
Medium: HSL_1750_190527 Medium parameters used: f = 1770 MHz; σ = 1.392 S/m; ε_r = 41.398; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(8.63, 8.63, 8.63) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 12.2 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 83.42 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 14.2 W/kg
SAR(1 g) = 6.18 W/kg; SAR(10 g) = 2.73 W/kg
Maximum value of SAR (measured) = 10.5 W/kg



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

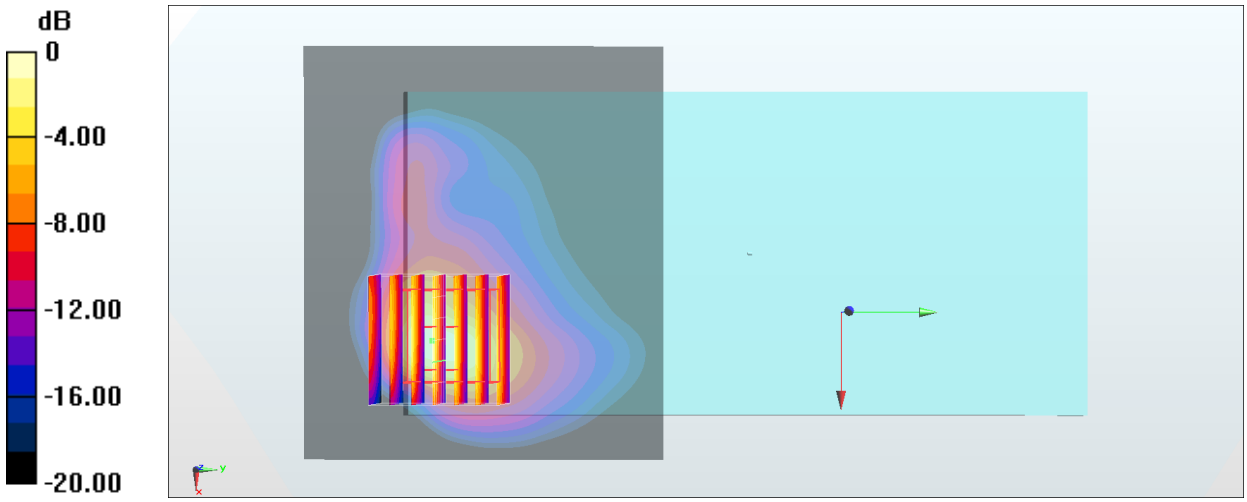
#59_LTE Band 41_20M_QPSK_1_0_Back_0mm_Ch41140

Communication System: LTE ; Frequency: 2645 MHz;Duty Cycle: 1:1.59
Medium: HSL_2600_190530 Medium parameters used : f = 2645 MHz; σ = 2.062 S/m; ε_r = 39.229; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7350; ConvF(7.35, 7.35, 7.35) ; Calibrated: 2018/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

Area Scan (81x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 16.2 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.19 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 26.0 W/kg
SAR(1 g) = 7.24 W/kg; SAR(10 g) = 2.5 W/kg
Maximum value of SAR (measured) = 15.2 W/kg



0 dB = 16.2 W/kg = 12.10 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2019/5/18

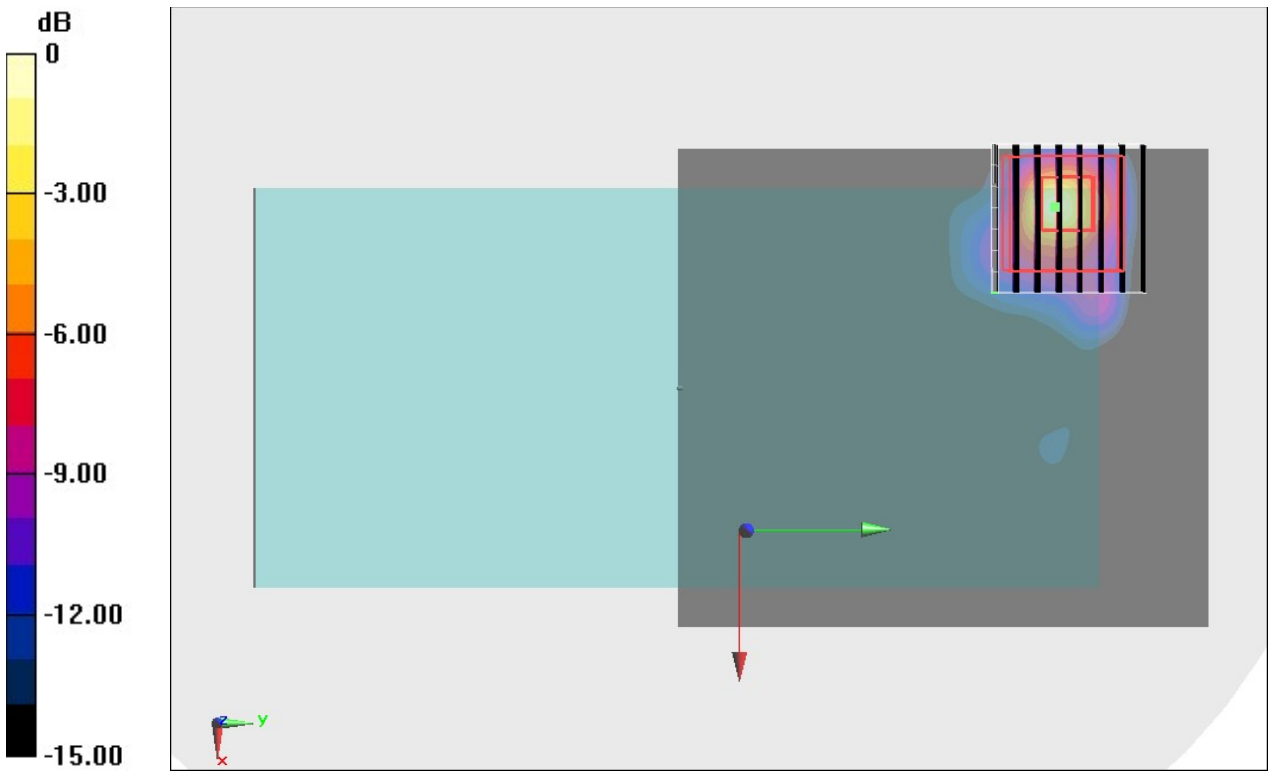
#60_WLAN5GHz_802.11a 6Mbps_Back_0mm_Ch52

Communication System: 802.11a ; Frequency: 5260 MHz;Duty Cycle: 1:1.019
Medium: HSL_5G_190518 Medium parameters used: f = 5260 MHz; σ = 4.642 S/m; ε_r = 36.141; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN7306;ConvF(5.38, 5.38, 5.38) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Area Scan (91x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 11.2 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 18.42 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 23.2 W/kg
SAR(1 g) = 3.99 W/kg; SAR(10 g) = 0.873 W/kg
Maximum value of SAR (measured) = 12.2 W/kg



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

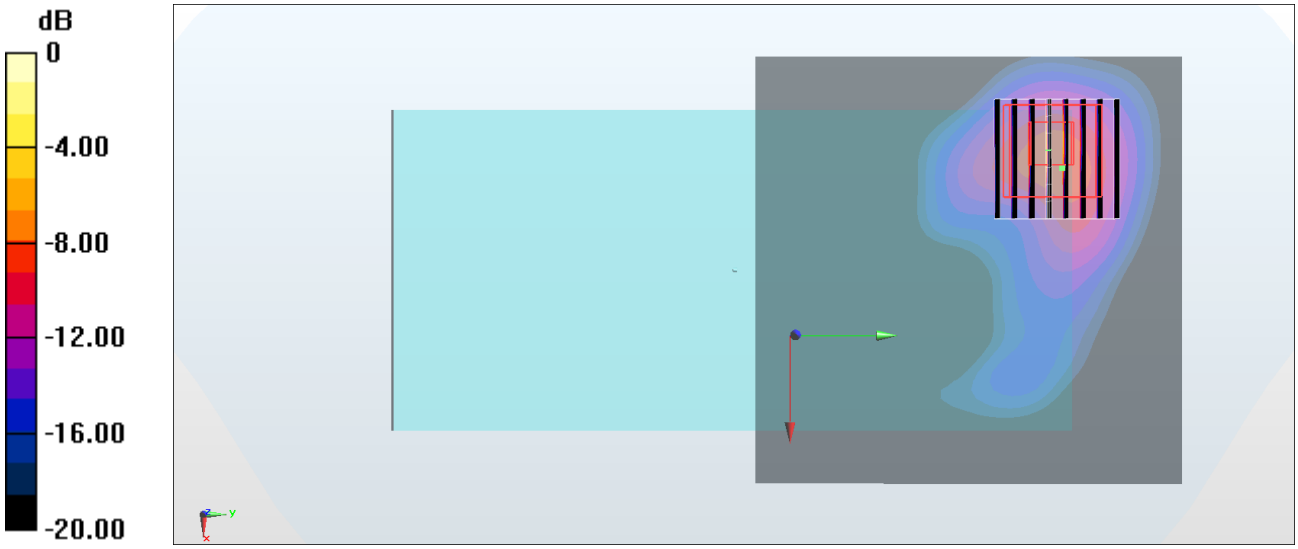
#61_WLAN5GHz_802.11a 6Mbps_Back_0mm_Ch116

Communication System: 802.11a ; Frequency: 5580 MHz;Duty Cycle: 1:1.019
Medium: HSL_5G_190521 Medium parameters used: f = 5580 MHz; σ = 4.87 S/m; ε_r = 36.234; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3642;ConvF(4.28, 4.28, 4.28) ;Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 2018/12/11
- Phantom: SAM_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.48 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 14.49 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 31.7 W/kg
SAR(1 g) = 5.6 W/kg; SAR(10 g) = 1.23 W/kg
Maximum value of SAR (measured) = 15.9 W/kg



0 dB = 15.9 W/kg = 12.01 dBW/kg