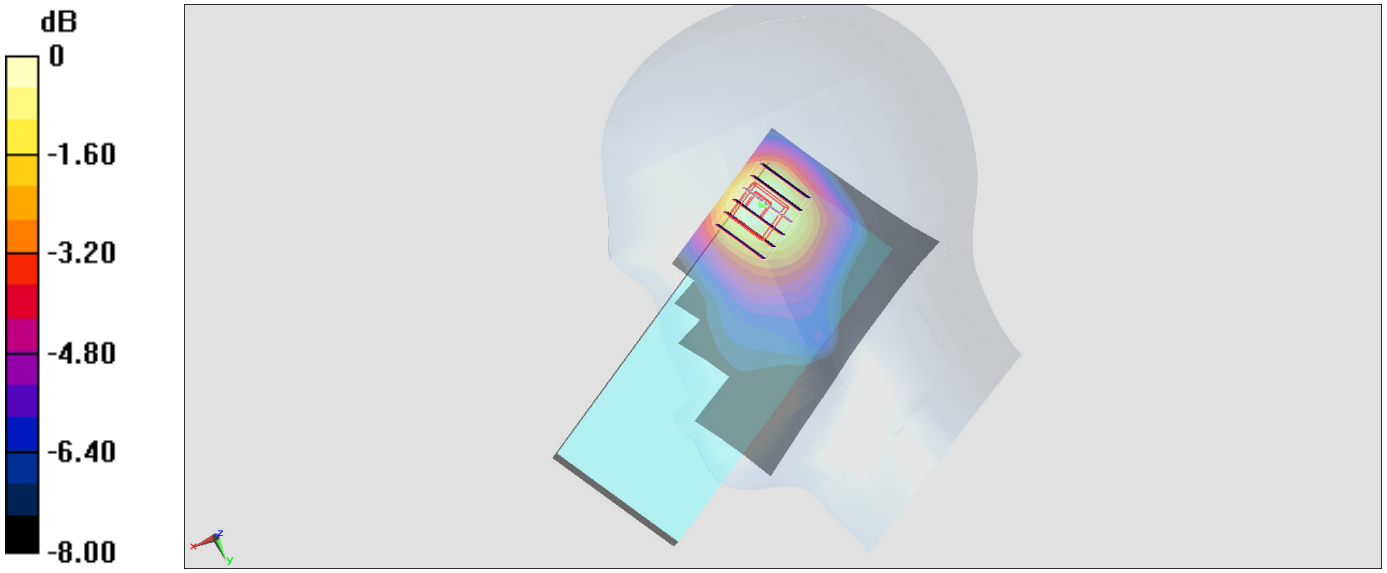
#01_GSM850_GPRS (1 Tx slot)_Right Cheek_Ch251_Sample 1

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_850_170103 Medium parameters used: f = 849 MHz; σ = 0.888 S/m; ε_r = 41.325; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3925; ConvF(9.92, 9.92, 9.92); Calibrated: 2016/5/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- Phantom: SAM-Right; Type: SAM; Serial: 1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.400 W/kg

Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.10 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.438 W/kg
SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.196 W/kg
Maximum value of SAR (measured) = 0.382 W/kg



0 dB = 0.382 W/kg = -4.18 dBW/kg

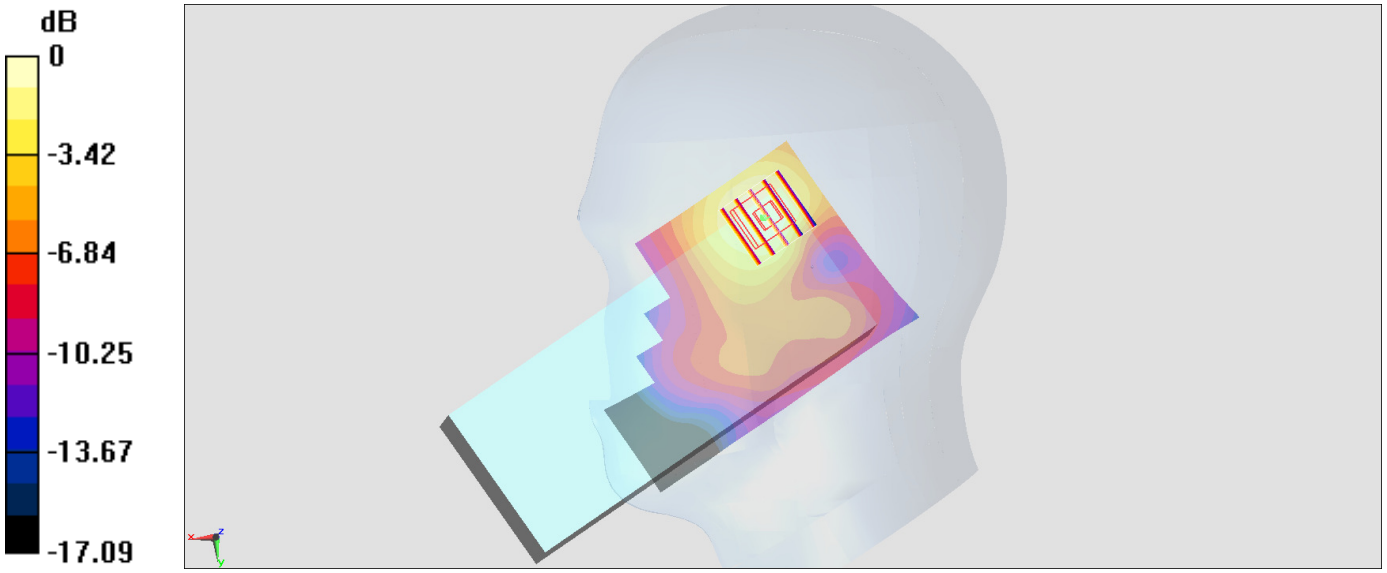
#02_GSM1900_GPRS (1 Tx slot)_Right Cheek_Ch810_Sample 1

Communication System: PCS ; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_170104 Medium parameters used: f = 1910 MHz; σ = 1.449 S/m; ε_r = 41.37; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(5.08, 5.08, 5.08); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2016/5/12
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.264 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.48 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.336 W/kg
SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.134 W/kg
Maximum value of SAR (measured) = 0.255 W/kg



0 dB = 0.255 W/kg = -5.93 dBW/kg

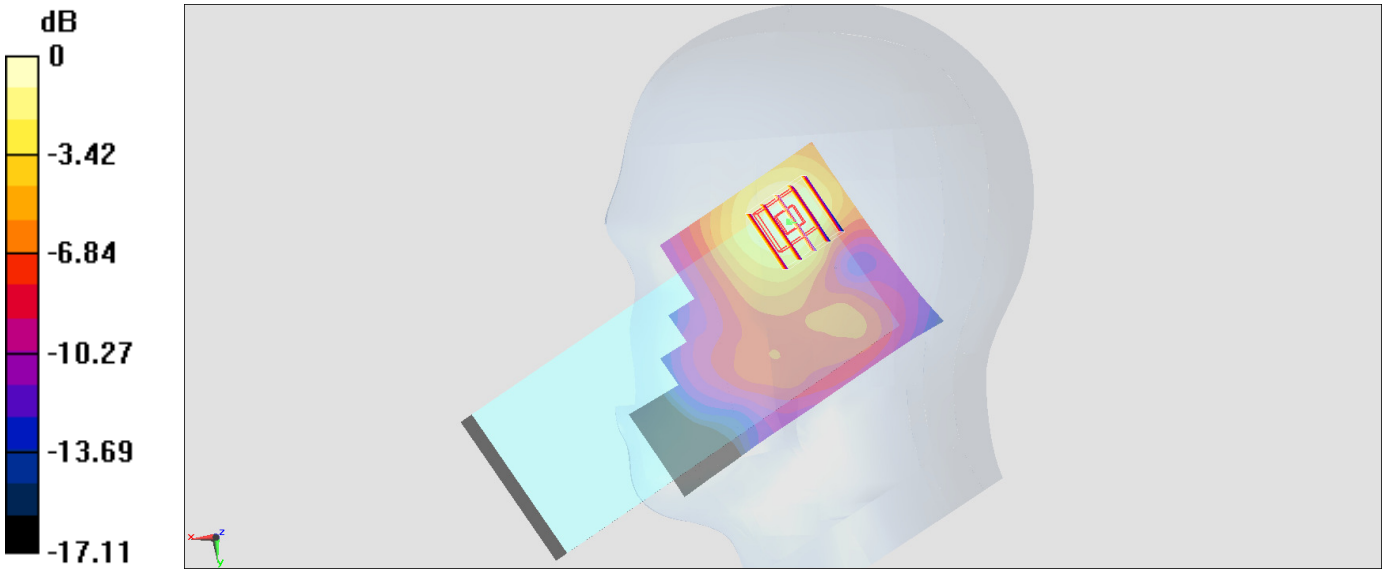
#03_WCDMA II_RMC 12.2Kbps_Right Cheek_Ch9538_Sample 1

Communication System: WCDMA ; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: HSL_1900_170104 Medium parameters used: f = 1908 MHz; σ = 1.447 S/m; ε_r = 41.38; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(5.08, 5.08, 5.08); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2016/5/12
- Phantom: SAM_Left; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.519 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.90 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.691 W/kg
SAR(1 g) = 0.440 W/kg; SAR(10 g) = 0.269 W/kg
Maximum value of SAR (measured) = 0.532 W/kg



0 dB = 0.532 W/kg = -2.74 dBW/kg

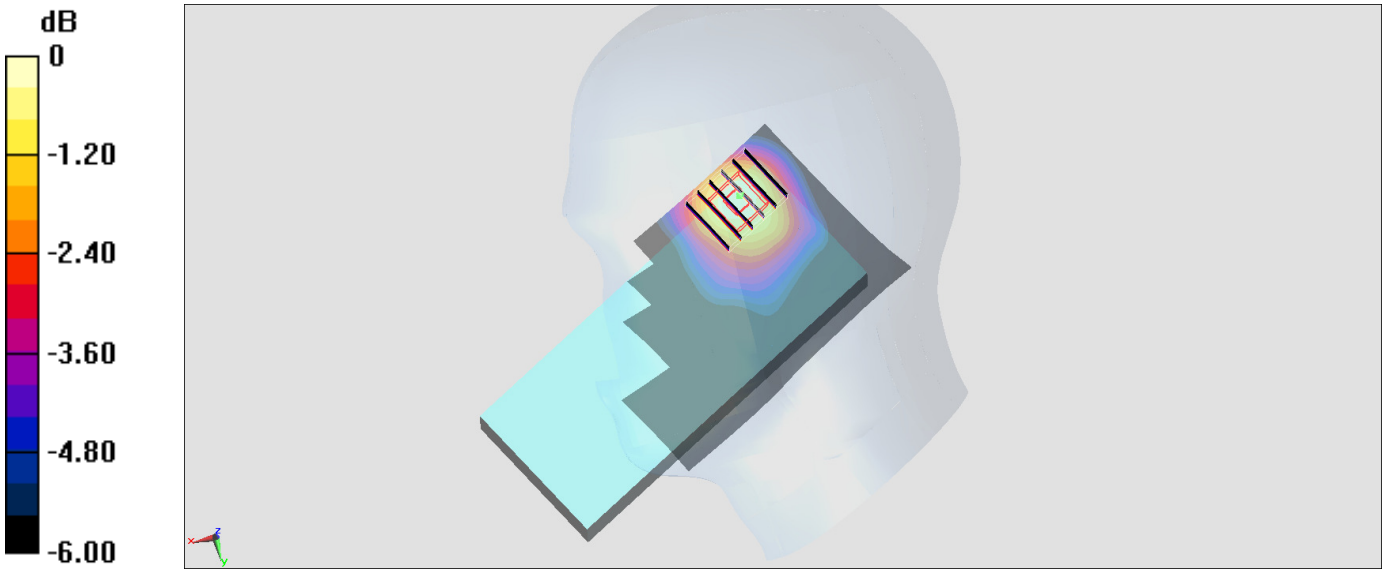
#04_WCDMA V_RMC 12.2Kbps_Right Cheek_Ch4182_Sample 1

Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL_850_170103 Medium parameters used: f = 836.4 MHz; σ = 0.876 S/m; ε_r = 41.484; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3925; ConvF(9.92, 9.92, 9.92); Calibrated: 2016/5/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- Phantom: SAM-Right; Type: SAM; Serial: 1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.498 W/kg

Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.89 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.534 W/kg
SAR(1 g) = 0.371 W/kg; SAR(10 g) = 0.252 W/kg
Maximum value of SAR (measured) = 0.471 W/kg



0 dB = 0.471 W/kg = -3.27 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/1/5

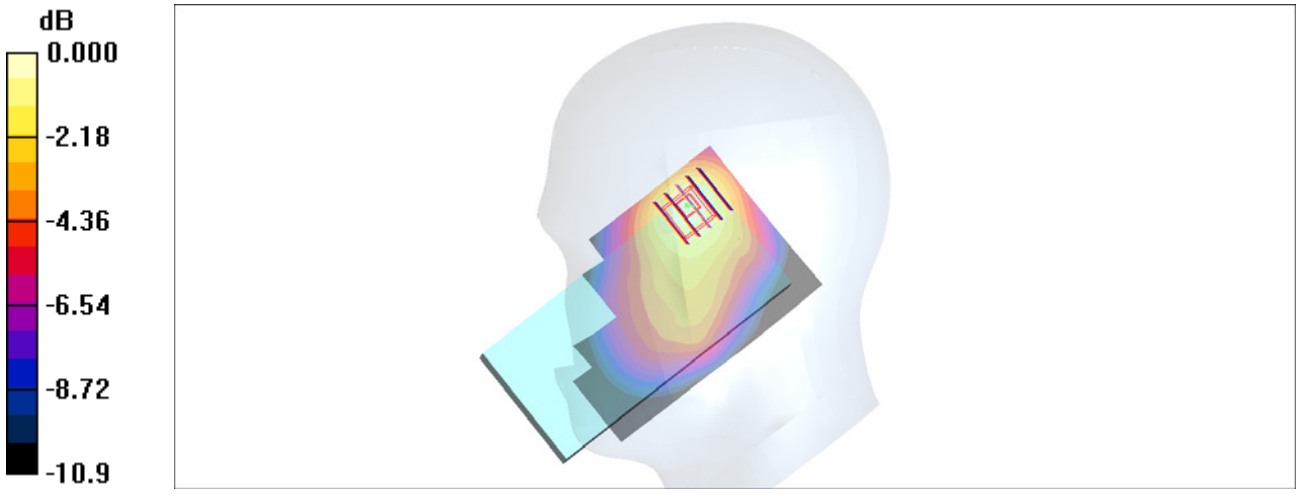
#05_CDMA BC0_1xRTT RC3 SO55_Right Cheek_Ch384_Sample 3

Communication System: CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: HSL_850_170105 Medium parameters used: f = 837 MHz; σ = 0.879 mho/m; ε_r = 42.5; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(10.33, 10.33, 10.33); Calibrated: 2016/11/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.469 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.9 V/m; Power Drift = -0.016 dB
Peak SAR (extrapolated) = 0.533 W/kg
SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.239 mW/g
Maximum value of SAR (measured) = 0.475 mW/g



0 dB = 0.475mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/1/6

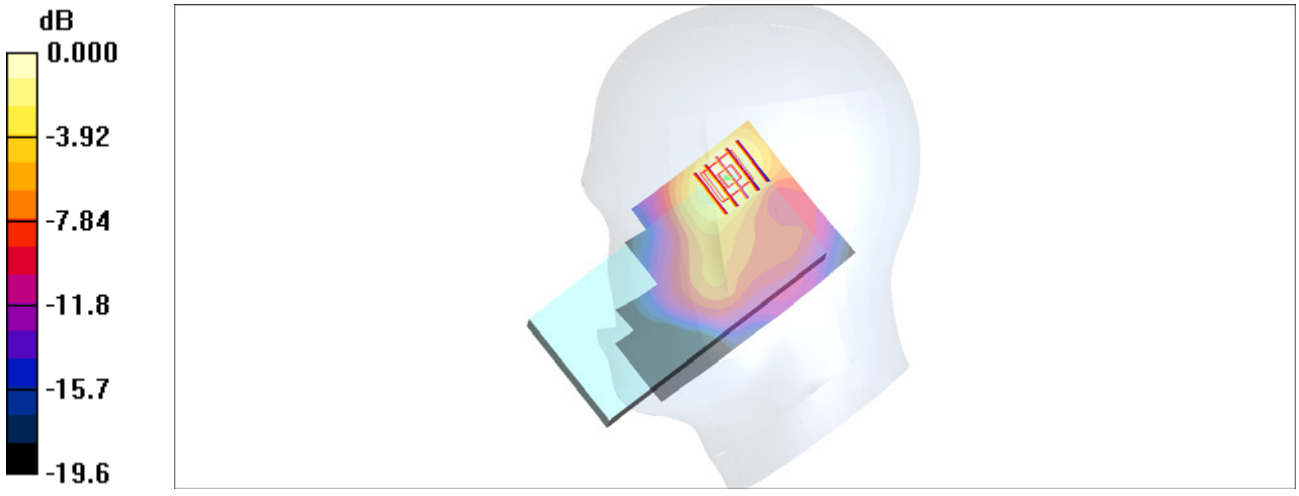
#06_CDMA BC1_1xRTT RC3 SO55_Right Cheek_Ch1175_Sample 3

Communication System: CDMA ; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: HSL_1900_170106 Medium parameters used: f = 1909 MHz; σ = 1.43 mho/m; ε_r = 39.9; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(8.43, 8.43, 8.43); Calibrated: 2016/11/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.647 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.8 V/m; Power Drift = -0.107 dB
Peak SAR (extrapolated) = 0.764 W/kg
SAR(1 g) = 0.454 mW/g; SAR(10 g) = 0.265 mW/g
Maximum value of SAR (measured) = 0.648 mW/g



0 dB = 0.648mW/g

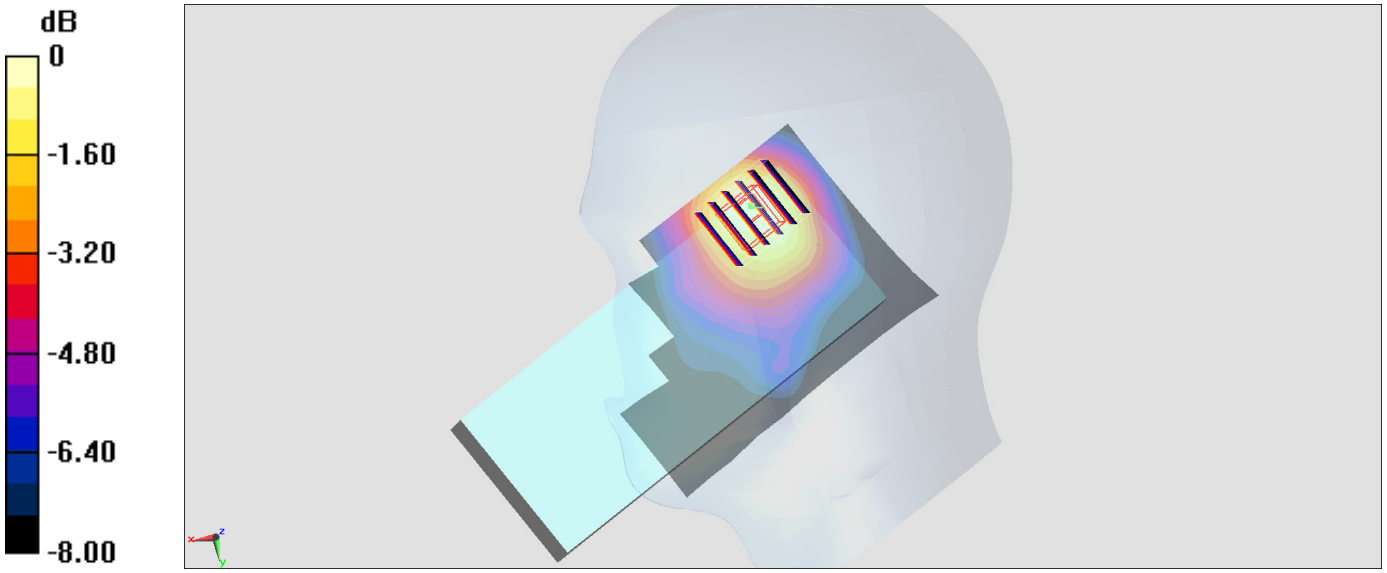
#07_CDMA BC10_1xRTT RC3 SO55_Right Cheek_Ch580_Sample 1

Communication System: CDMA ; Frequency: 820.5 MHz;Duty Cycle: 1:1
Medium: HSL_850_170103 Medium parameters used: f = 820.5 MHz; σ = 0.861 S/m; ε_r = 41.695; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3925; ConvF(9.92, 9.92, 9.92); Calibrated: 2016/5/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- Phantom: SAM-Right; Type: SAM; Serial: 1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.333 W/kg

Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.06 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.355 W/kg
SAR(1 g) = 0.240 W/kg; SAR(10 g) = 0.165 W/kg
Maximum value of SAR (measured) = 0.309 W/kg



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

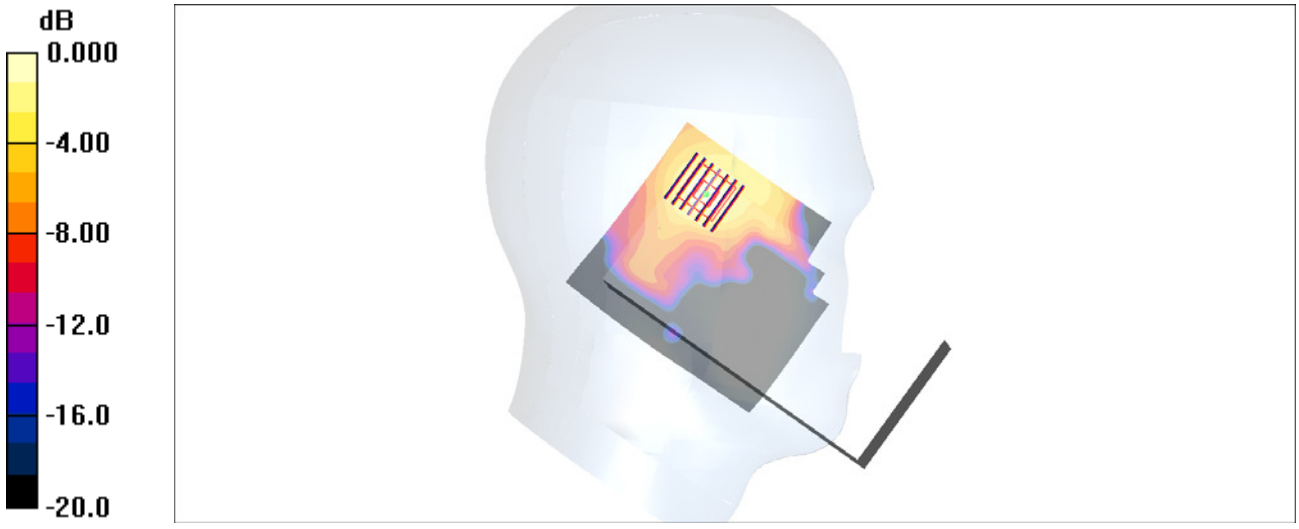
#08_WLAN2.4GHz_802.11b 1Mbps_Left Cheek_Ch11_Sample 3

Communication System: 802.11b ; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL_2450_170116 Medium parameters used: f = 2462 MHz; σ = 1.85 mho/m; ε_r = 40.5; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(7.6, 7.6, 7.6); Calibrated: 2016/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (91x101x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.111 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.74 V/m; Power Drift = 0.050 dB
Peak SAR (extrapolated) = 0.138 W/kg
SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.035 mW/g
Maximum value of SAR (measured) = 0.111 mW/g



0 dB = 0.111mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/1/14

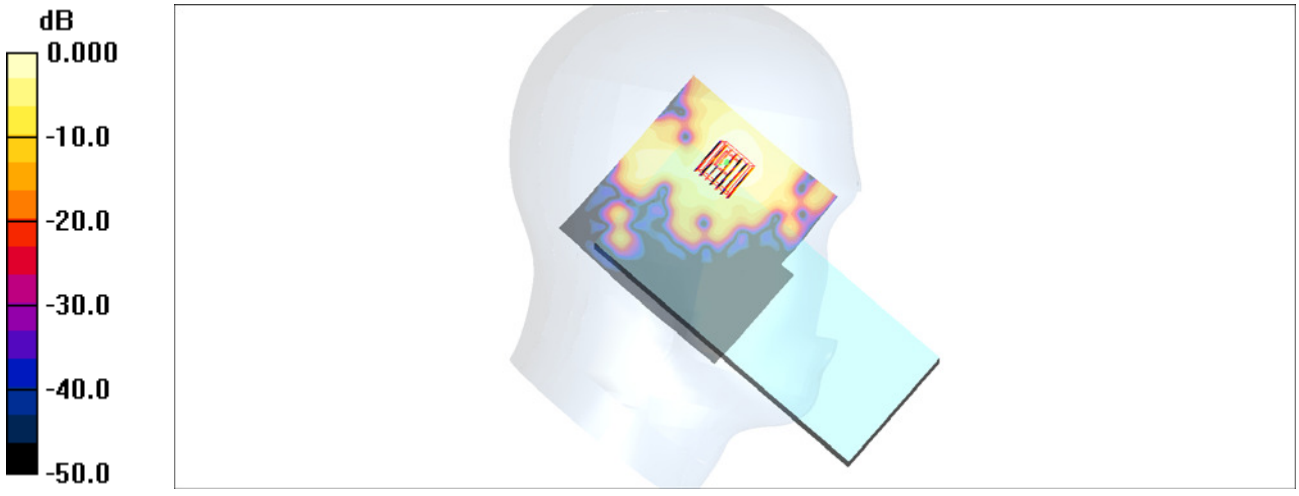
#09_WLAN5GHz_802.11a 6Mbps_Left Cheek_Ch64_Sample 1

Communication System: 802.11a; Frequency: 5320 MHz;Duty Cycle: 1:1.011
Medium: HSL_5G_170114 Medium parameters used: f = 5320 MHz; σ = 4.6 mho/m; ε_r = 36.8; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(5.38, 5.38, 5.38); Calibrated: 2016/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (121x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.172 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 4.09 V/m; Power Drift = 0.143 dB
Peak SAR (extrapolated) = 0.296 W/kg
SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.028 mW/g
Maximum value of SAR (measured) = 0.169 mW/g



0 dB = 0.169mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/1/14

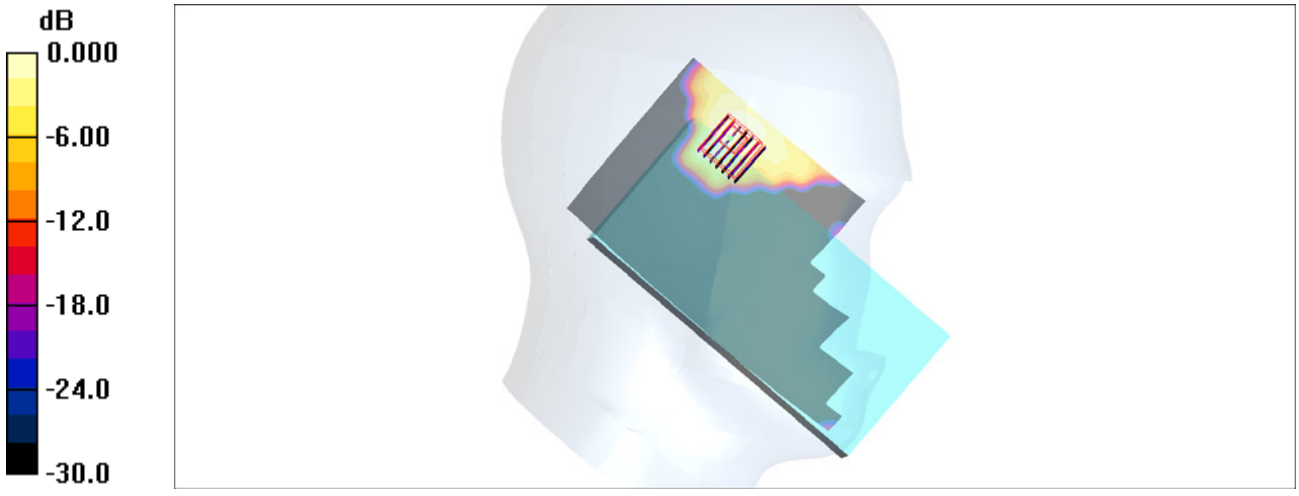
#10_WLAN5GHz_802.11a 6Mbps_Left Cheek_Ch140_Sample 3

Communication System: 802.11a; Frequency: 5700 MHz;Duty Cycle: 1:1.011
Medium: HSL_5G_170114 Medium parameters used: f = 5700 MHz; σ = 4.98 mho/m; ε_r = 36.3; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(4.68, 4.68, 4.68); Calibrated: 2016/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (101x191x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.185 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 4.86 V/m; Power Drift = 0.159 dB
Peak SAR (extrapolated) = 0.236 W/kg
SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.023 mW/g
Maximum value of SAR (measured) = 0.179 mW/g



0 dB = 0.179mW/g

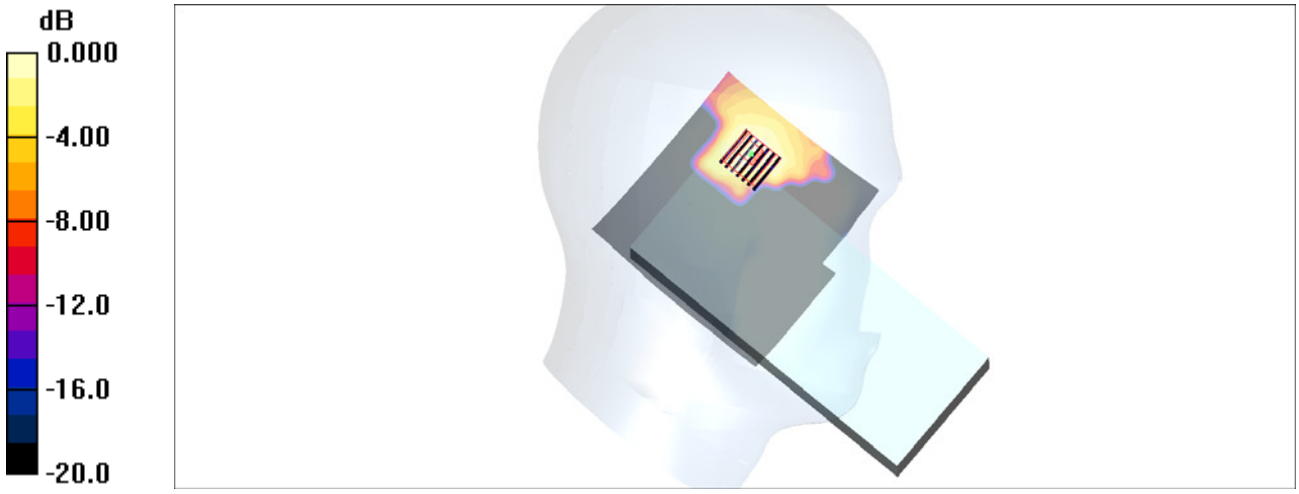
#11_WLAN5GHz_802.11a 6Mbps_Left Cheek_Ch165_Sample 2

Communication System: 802.11a; Frequency: 5825 MHz;Duty Cycle: 1:1.011
Medium: HSL_5G_170114 Medium parameters used: f = 5825 MHz; σ = 5.09 mho/m; ε_r = 36.2; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(4.84, 4.84, 4.84); Calibrated: 2016/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (121x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.177 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 4.93 V/m; Power Drift = 0.097 dB
Peak SAR (extrapolated) = 0.291 W/kg
SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.024 mW/g
Maximum value of SAR (measured) = 0.189 mW/g



0 dB = 0.189mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/1/4

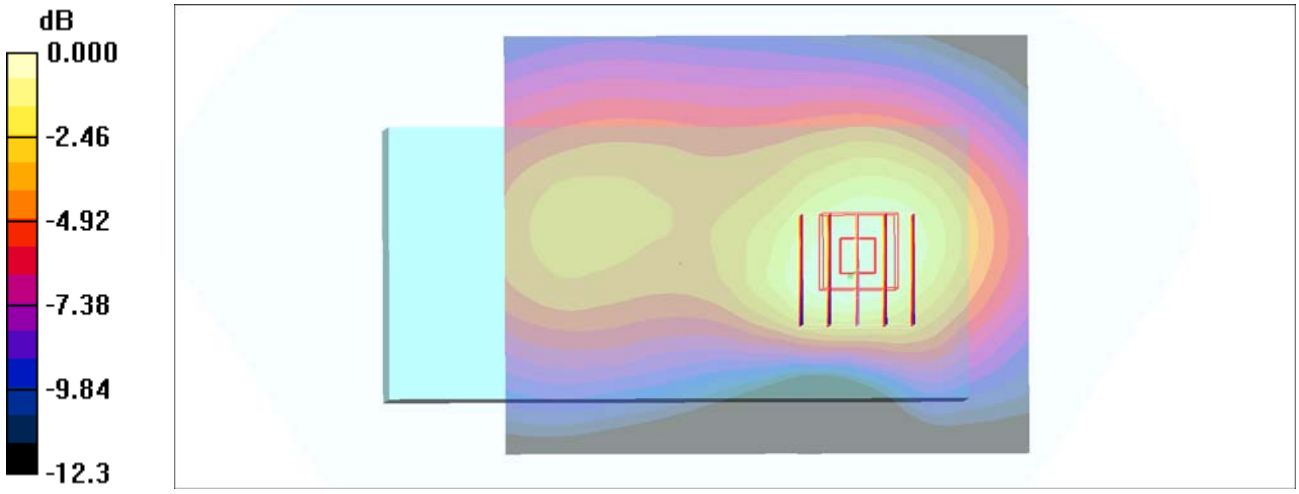
#12_GSM850_GPRS (1 Tx slot)_Back_10mm_Ch251_Sample 4

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: MSL_850_170104 Medium parameters used: f = 849 MHz; σ = 0.965 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(10.18, 10.18, 10.18); Calibrated: 2016/11/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.606 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.5 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 0.656 W/kg
SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.318 mW/g
Maximum value of SAR (measured) = 0.577 mW/g



0 dB = 0.577mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2016/12/30

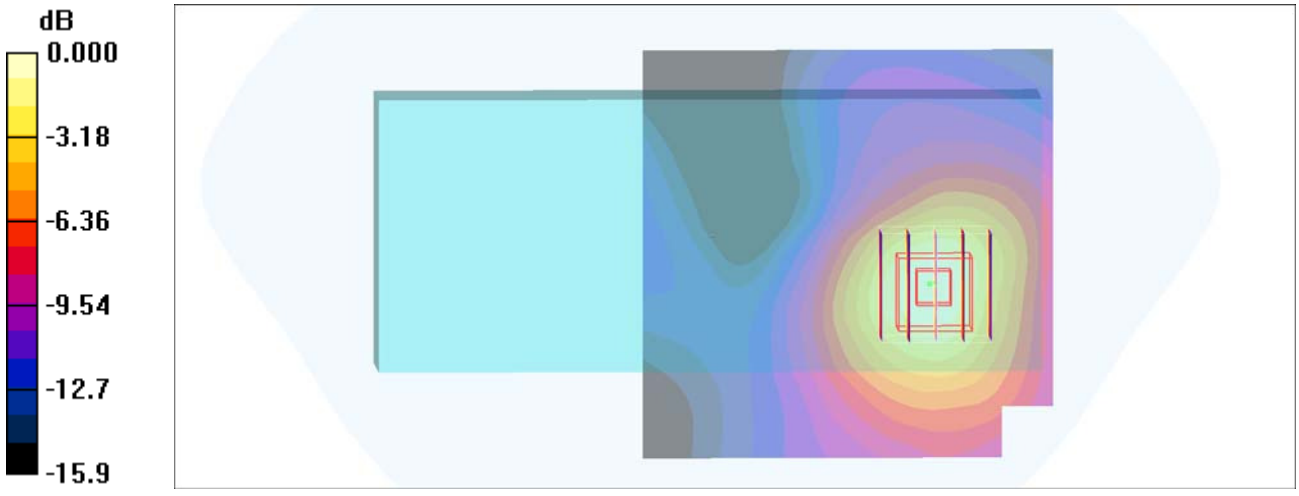
#13_GSM1900_GPRS (1 Tx slot)_Back_10mm_Ch810_Sample 1

Communication System: PCS; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: MSL_1900_161230 Medium parameters used: f = 1910 MHz; σ = 1.57 mho/m; ε_r = 55; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(4.7, 4.7, 4.7); Calibrated: 2016/8/26
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2016/5/12
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.828 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.8 V/m; Power Drift = -0.092 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.686 mW/g; SAR(10 g) = 0.410 mW/g
Maximum value of SAR (measured) = 0.815 mW/g



0 dB = 0.815mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2016/12/30

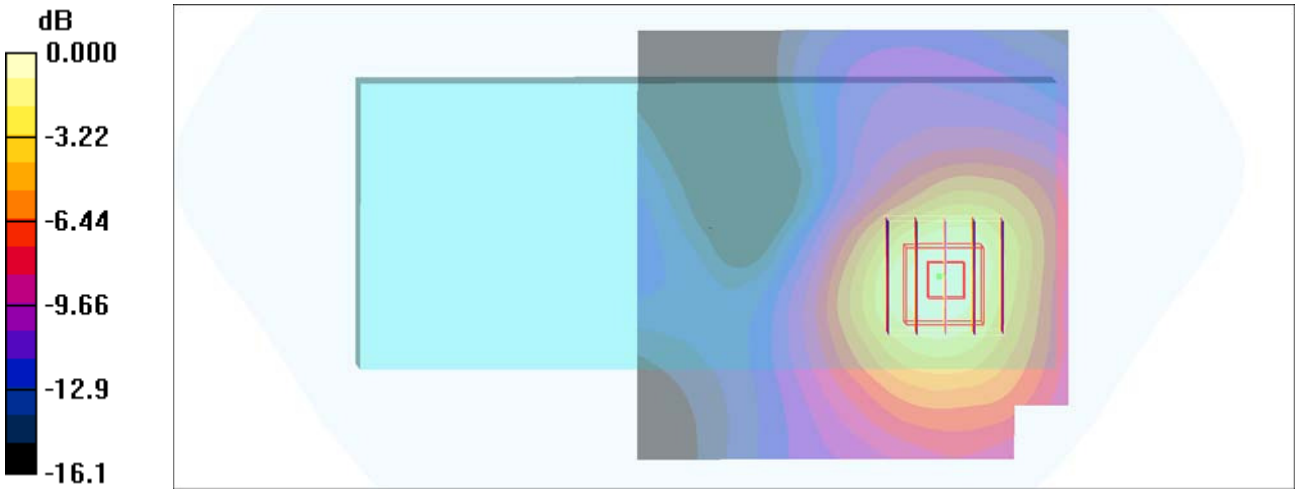
#14_WCDMA II_RMC 12.2Kbps_Back_10mm_Ch9538_Sample 1

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_161230 Medium parameters used: f = 1908 MHz; σ = 1.57 mho/m; ε_r = 55; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(4.7, 4.7, 4.7); Calibrated: 2016/8/26
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2016/5/12
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.43 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.6 V/m; Power Drift = -0.077 dB
Peak SAR (extrapolated) = 1.88 W/kg
SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.722 mW/g
Maximum value of SAR (measured) = 1.42 mW/g



0 dB = 1.42mW/g

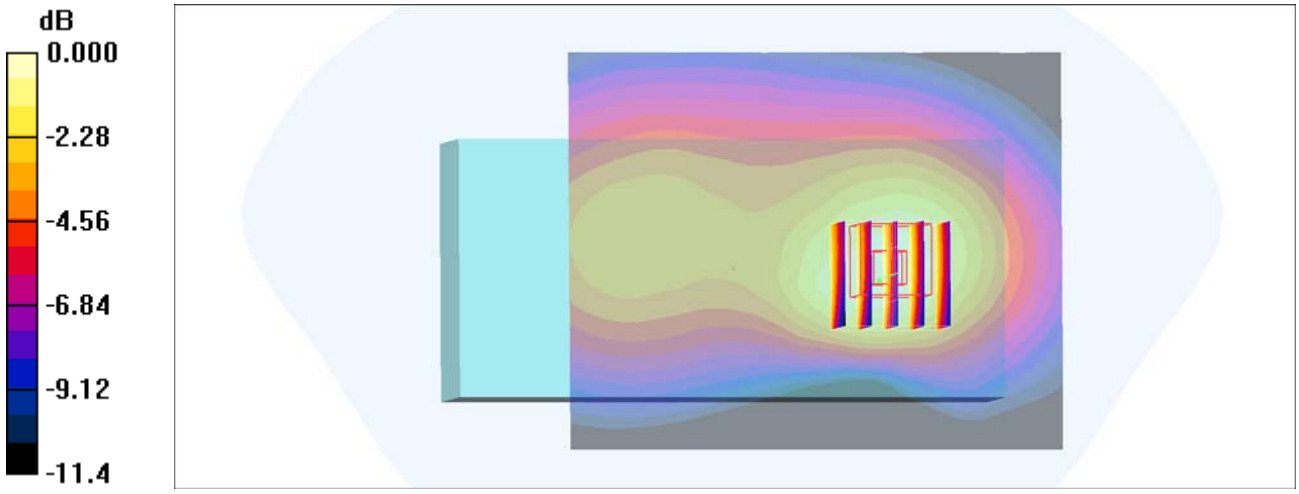
#15_WCDMA V_RMC 12.2Kbps_Back_10mm_Ch4182_Sample 4

Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: MSL_850_170104 Medium parameters used: f = 836.4 MHz; σ = 0.953 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：22.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(10.18, 10.18, 10.18); Calibrated: 2016/11/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.727 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.7 V/m; Power Drift = -0.007 dB
Peak SAR (extrapolated) = 0.784 W/kg
SAR(1 g) = 0.547 mW/g; SAR(10 g) = 0.385 mW/g
Maximum value of SAR (measured) = 0.702 mW/g



0 dB = 0.702mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/1/4

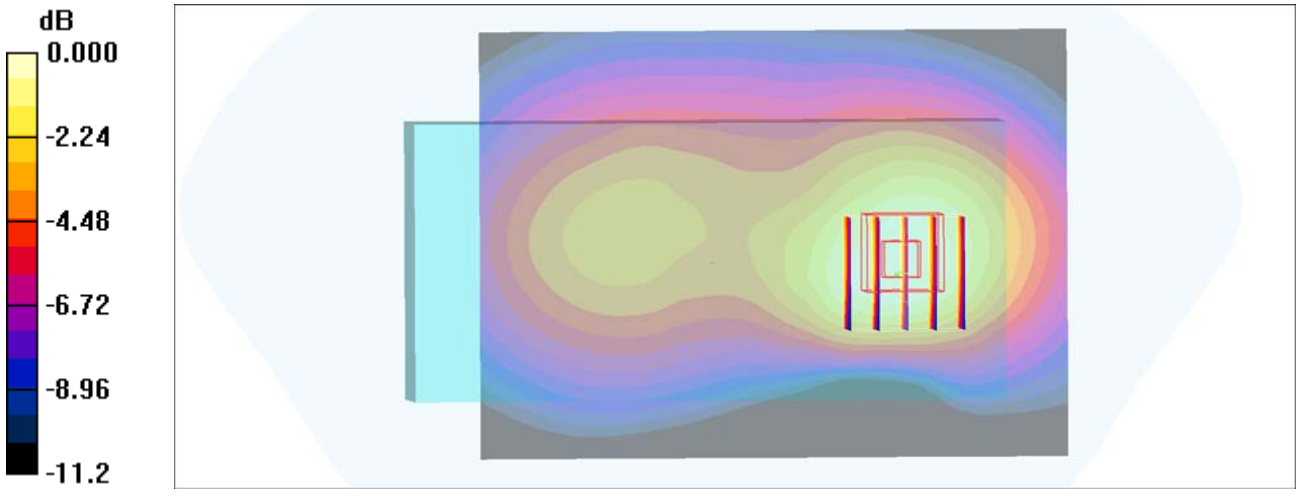
#16_CDMA BC0_RTAP 153.6Kbps_Back_10mm_Ch384_Sample 3

Communication System: CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: MSL_850_170104 Medium parameters used: f = 837 MHz; σ = 0.954 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(10.18, 10.18, 10.18); Calibrated: 2016/11/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.713 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.8 V/m; Power Drift = -0.129 dB
Peak SAR (extrapolated) = 0.744 W/kg
SAR(1 g) = 0.531 mW/g; SAR(10 g) = 0.375 mW/g
Maximum value of SAR (measured) = 0.662 mW/g



0 dB = 0.662mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2016/12/30

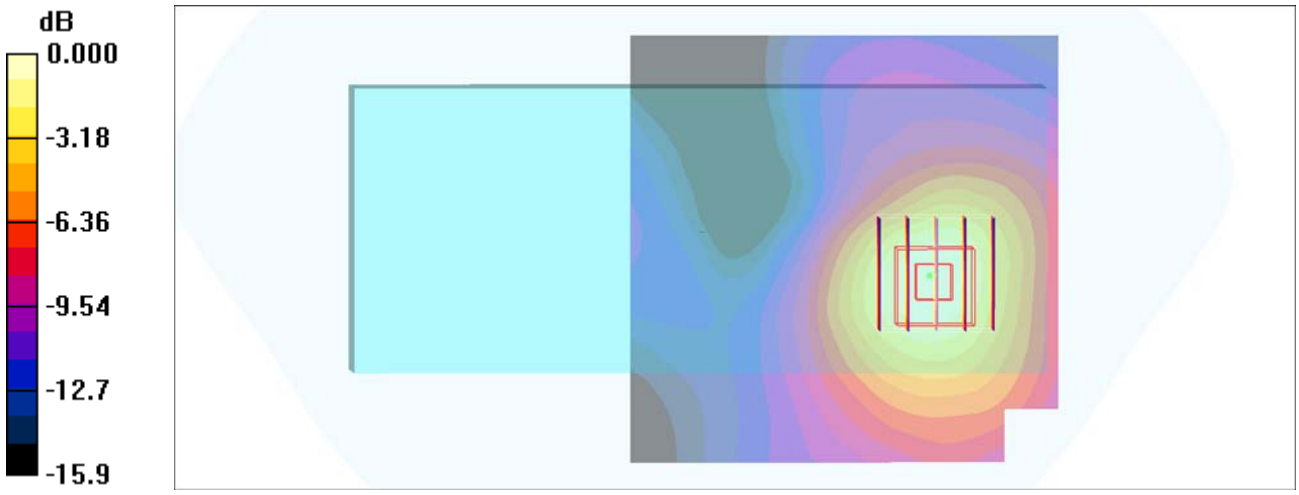
#17_CDMA BC1_RTAP 153.6Kbps_Back_10mm_Ch1175_Sample 1

Communication System: CDMA ; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_161230 Medium parameters used: f = 1909 MHz; σ = 1.57 mho/m; ε_r = 55; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(4.7, 4.7, 4.7); Calibrated: 2016/8/26
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2016/5/12
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.27 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.8 V/m; Power Drift = -0.152 dB
Peak SAR (extrapolated) = 1.62 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.628 mW/g
Maximum value of SAR (measured) = 1.22 mW/g



0 dB = 1.22mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/1/4

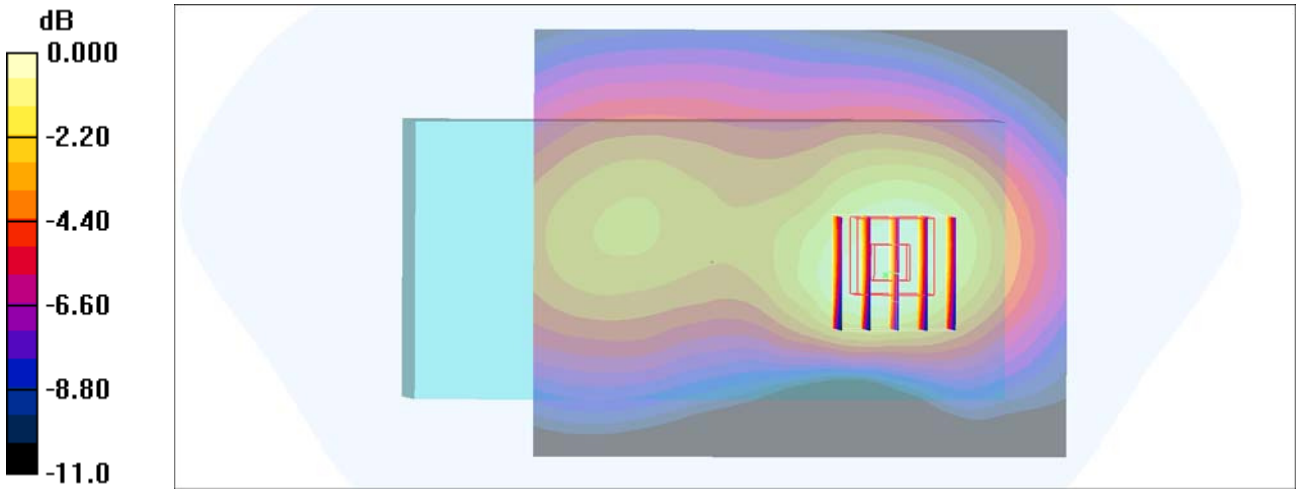
#18_CDMA BC10_RTAP 153.6Kbps_Back_10mm_Ch580_Sample 4

Communication System: CDMA ; Frequency: 820.5 MHz;Duty Cycle: 1:1
Medium: MSL_850_170104 Medium parameters used: f = 820.5 MHz; σ = 0.939 mho/m; ε_r = 56.4; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(10.18, 10.18, 10.18); Calibrated: 2016/11/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.470 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.0 V/m; Power Drift = 0.025 dB
Peak SAR (extrapolated) = 0.502 W/kg
SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.253 mW/g
Maximum value of SAR (measured) = 0.450 mW/g



0 dB = 0.450mW/g

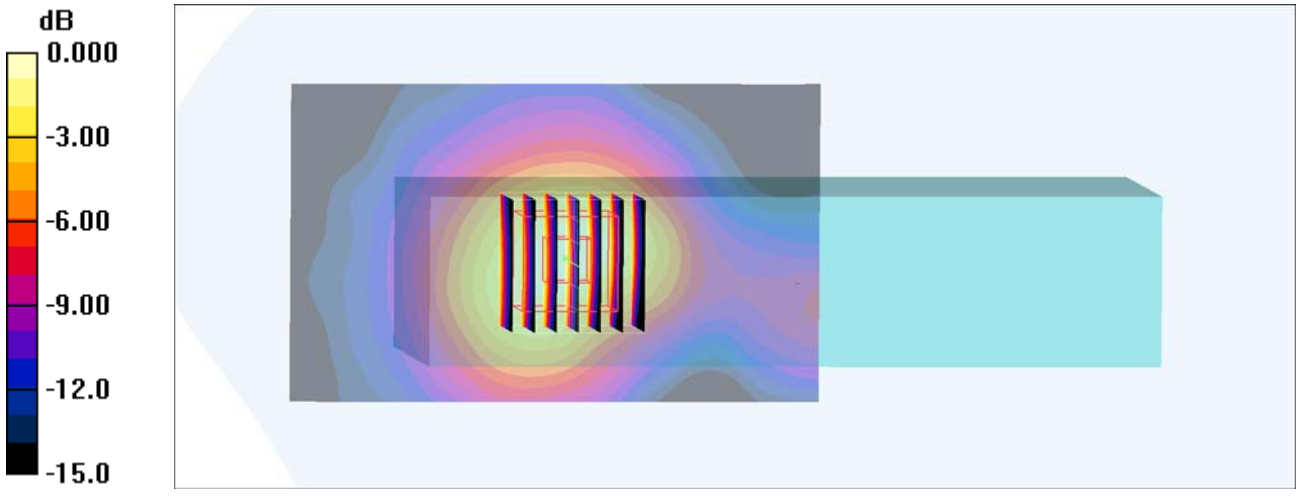
#19_WLAN2.4GHz_802.11b 1Mbps_Right Side_10mm_Ch11_Sample 3

Communication System: 802.11b ; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_170112 Medium parameters used: f = 2462 MHz; σ = 2.03 mho/m; ε_r = 54.1; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(7.73, 7.73, 7.73); Calibrated: 2016/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (61x101x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.252 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.86 V/m; Power Drift = 0.118 dB
Peak SAR (extrapolated) = 0.315 W/kg
SAR(1 g) = 0.169 mW/g; SAR(10 g) = 0.088 mW/g
Maximum value of SAR (measured) = 0.258 mW/g



0 dB = 0.258mW/g

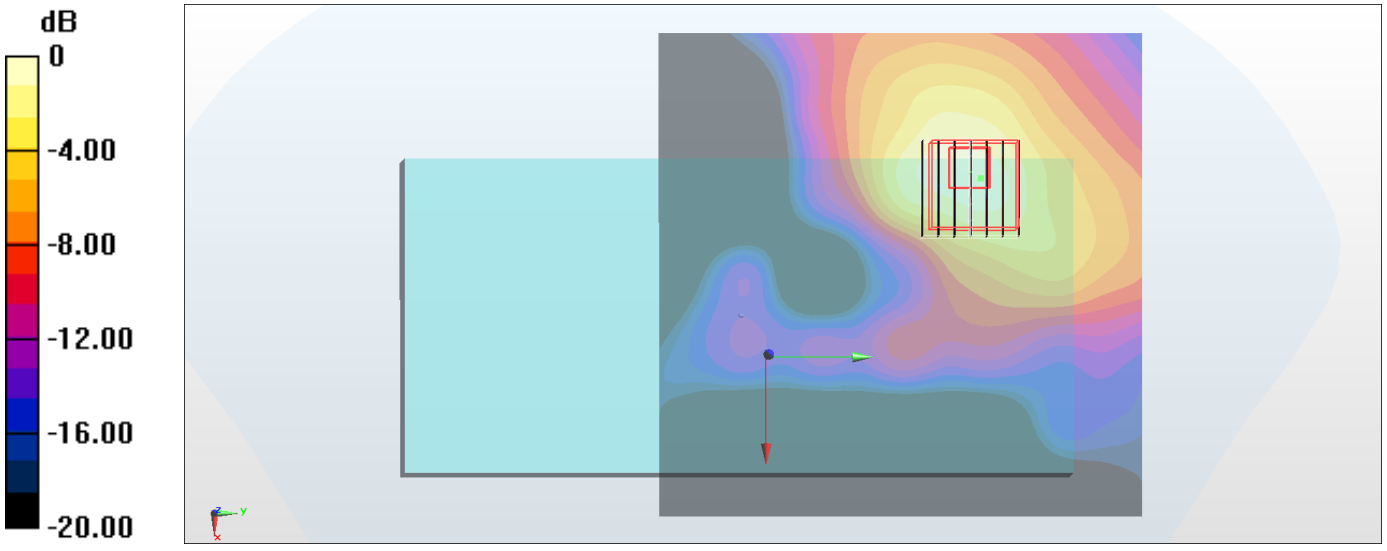
#20_WLAN5GHz_802.11a 6Mbps_Back_10mm_Ch44_Sample 3

Communication System: 802.11a; Frequency: 5220 MHz;Duty Cycle: 1:1.011
Medium: MSL_5G_170115 Medium parameters used: f = 5220 MHz; σ = 5.443 S/m; ε_r = 47.424; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3955; ConvF(4.51, 4.51, 4.51); Calibrated: 2016/11/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.679 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 10.72 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.334 W/kg; SAR(10 g) = 0.126 W/kg
Maximum value of SAR (measured) = 0.744 W/kg



0 dB = 0.744 W/kg = -1.28 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/1/17

#21_WLAN5GHz_802.11a 6Mbps_Back_10mm_Ch165_Sample 3

Communication System: 802.11a; Frequency: 5825 MHz;Duty Cycle: 1:1.012
Medium: MSL_5G_170117 Medium parameters used: f = 5825 MHz; σ = 6.32 mho/m; ε_r = 46.1; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(4.01, 4.01, 4.01); Calibrated: 2016/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (111x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.902 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 10.1 V/m; Power Drift = -0.191 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.364 mW/g; SAR(10 g) = 0.135 mW/g
Maximum value of SAR (measured) = 0.839 mW/g

0 dB = 0.839mW/g

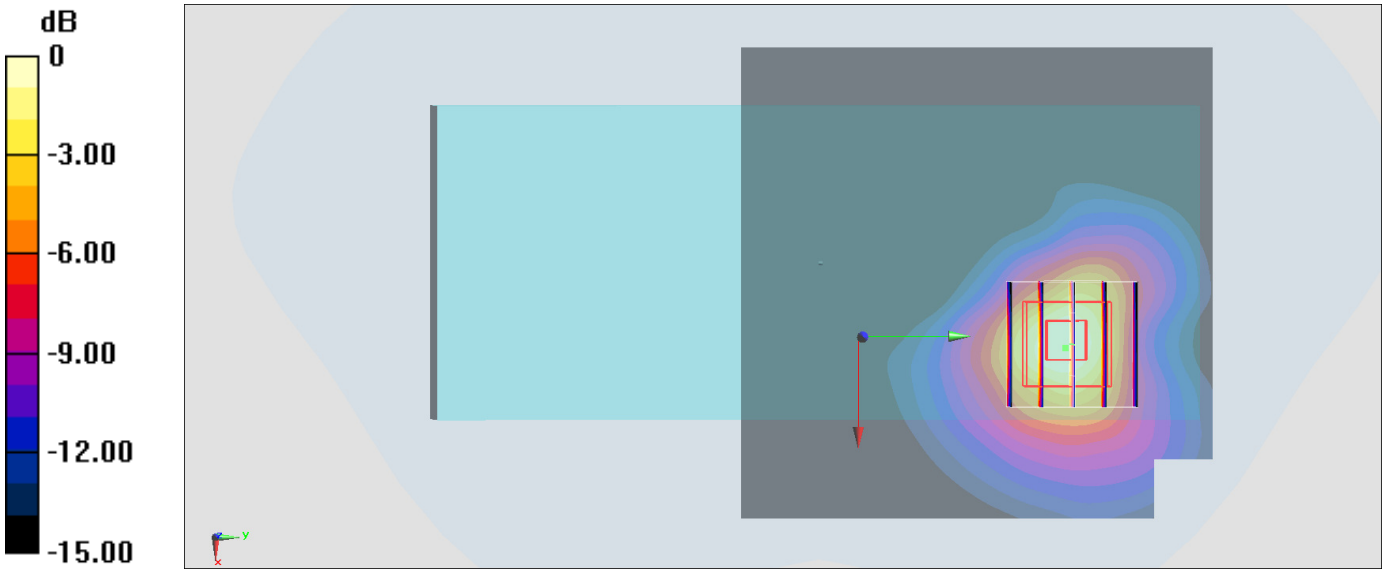
#22_WCDMA II_RMC 12.2Kbps_Back_0mm_Ch9538_Sample 1

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_170104 Medium parameters used: f = 1908 MHz; σ = 1.532 S/m; ε_r = 54.55; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(4.7, 4.7, 4.7); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2016/5/12
- Phantom: SAM-Right; Type: SAM; Serial: 1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.30 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 36.50 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 7.13 W/kg
SAR(1 g) = 4.14 W/kg; SAR(10 g) = 2.19 W/kg
Maximum value of SAR (measured) = 5.07 W/kg



0 dB = 5.07 W/kg = 7.05 dBW/kg

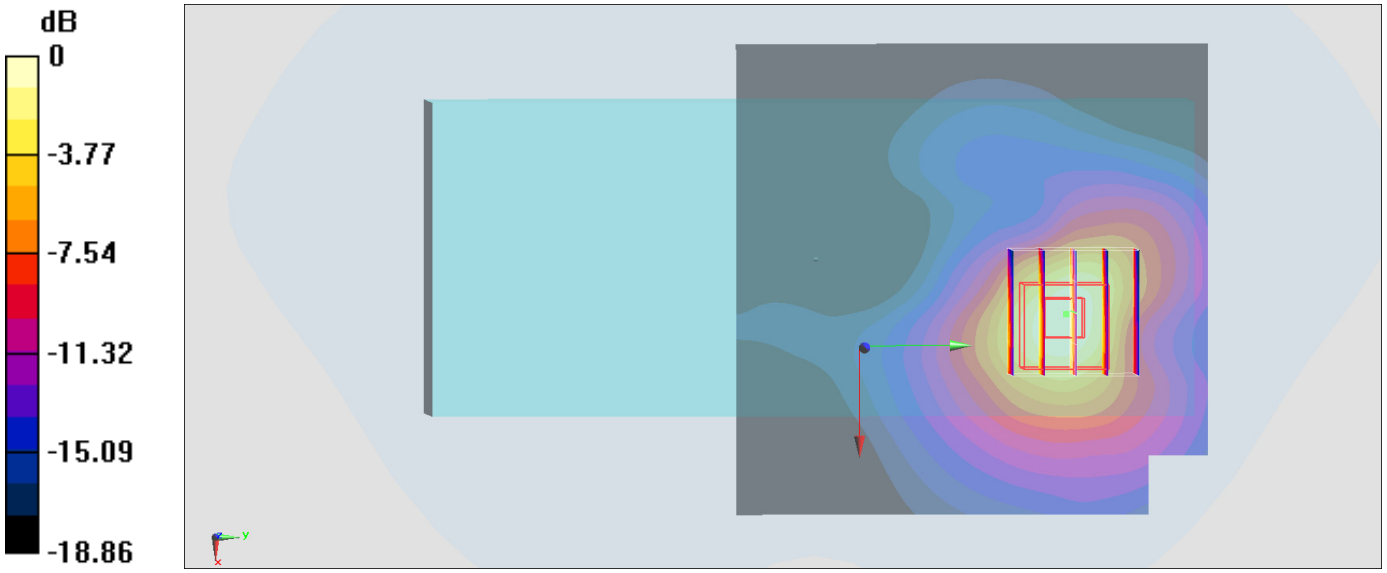
#23_CDMA BC1_RTAP 153.6Kbps_Back_0mm_Ch25_Sample 1

Communication System: CDMA; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_170104 Medium parameters used: f = 1851.25 MHz; σ = 1.474 S/m; ε_r = 54.75; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(4.7, 4.7, 4.7); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2016/5/12
- Phantom: SAM-Right; Type: SAM; Serial: 1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.97 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.55 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 6.42 W/kg
SAR(1 g) = 3.76 W/kg; SAR(10 g) = 2.01 W/kg
Maximum value of SAR (measured) = 4.62 W/kg



0 dB = 4.62 W/kg = 6.65 dBW/kg

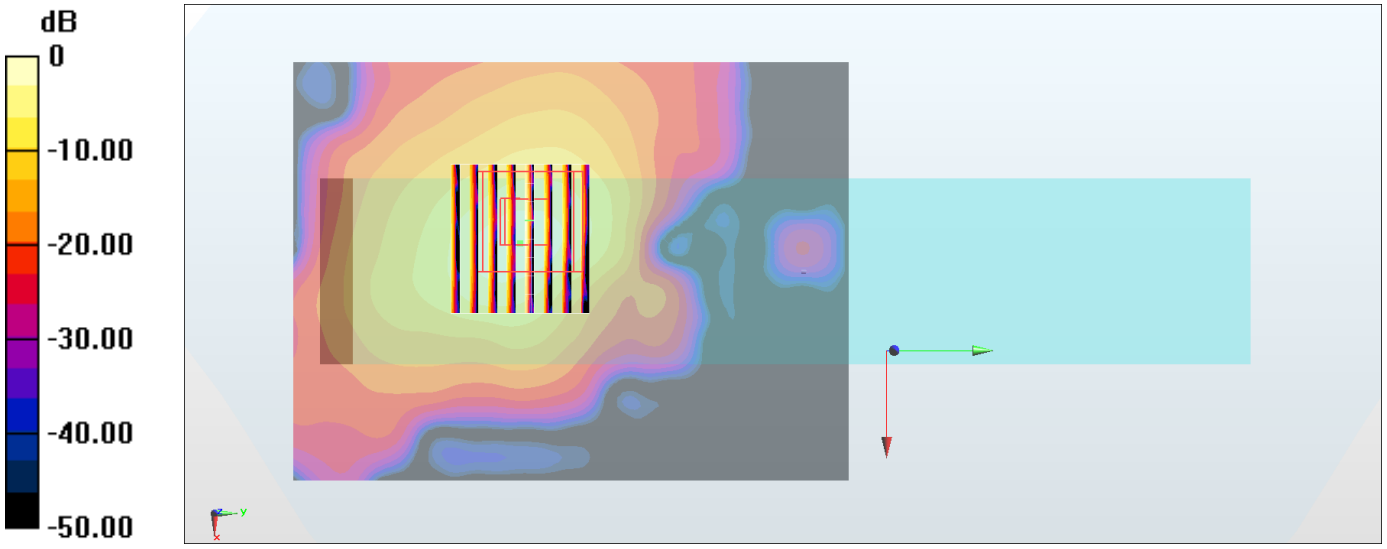
#24_WLAN5GHz_802.11a 6Mbps_Right Side_0mm_Ch52_Sample 1

Communication System: 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1.011
Medium: MSL_5G_170113 Medium parameters used: f = 5260 MHz; σ = 5.549 S/m; ε_r = 47.323; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3955; ConvF(4.51, 4.51, 4.51); Calibrated: 2016/11/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (91x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 4.04 W/kg

Zoom Scan (9x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 19.41 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 7.08 W/kg
SAR(1 g) = 1.65 W/kg; SAR(10 g) = 0.484 W/kg
Maximum value of SAR (measured) = 4.22 W/kg



0 dB = 4.22 W/kg = 6.25 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/1/17

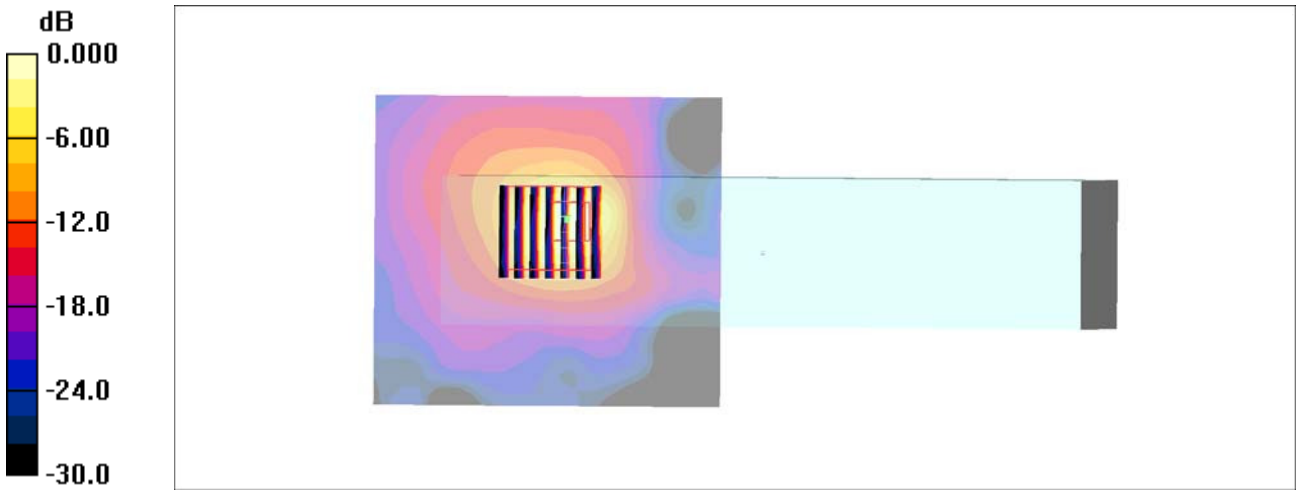
#25_WLAN5GHz_802.11a 6Mbps_Right Side_0mm_Ch140_Sample 3

Communication System: 802.11a; Frequency: 5700 MHz;Duty Cycle: 1:1.011
Medium: MSL_5G_170117 Medium parameters used: f = 5700 MHz; σ = 6.15 mho/m; ε_r = 46.3; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(3.71, 3.71, 3.71); Calibrated: 2016/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (81x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 4.35 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0.400 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 8.01 W/kg
SAR(1 g) = 1.76 mW/g; SAR(10 g) = 0.471 mW/g
Maximum value of SAR (measured) = 4.47 mW/g



0 dB = 4.47mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/1/4

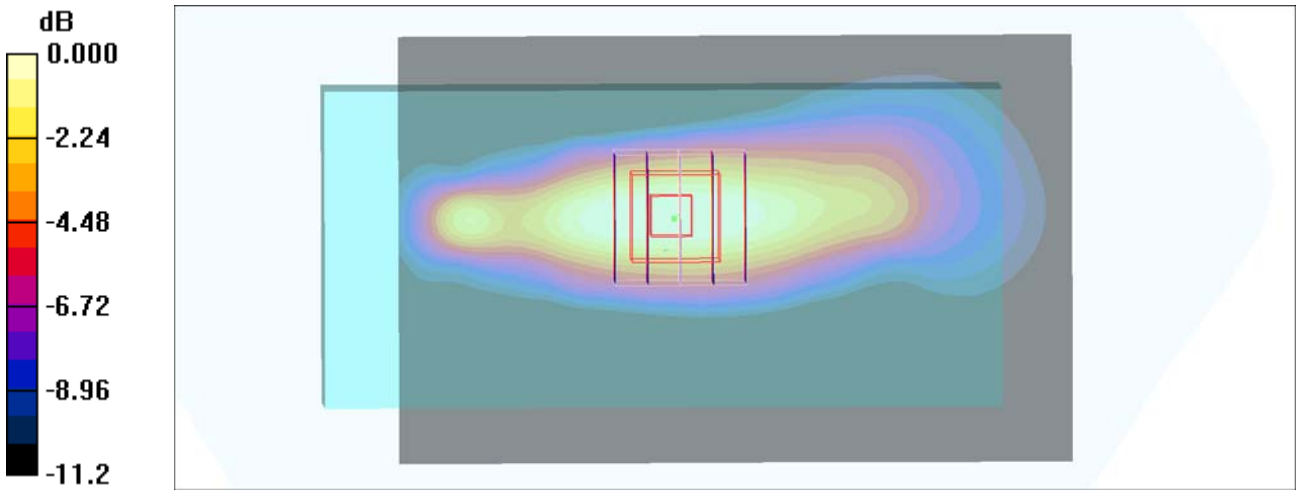
#26_GSM850_GPRS (1 Tx slot)_Back_0mm_Ch251;Holster_Sample 4

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: MSL_850_170104 Medium parameters used: f = 849 MHz; σ = 0.965 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(10.18, 10.18, 10.18); Calibrated: 2016/11/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.10 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.8 V/m; Power Drift = 0.178 dB
Peak SAR (extrapolated) = 1.20 W/kg
SAR(1 g) = 0.790 mW/g; SAR(10 g) = 0.507 mW/g
Maximum value of SAR (measured) = 1.05 mW/g



0 dB = 1.05mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2016/12/30

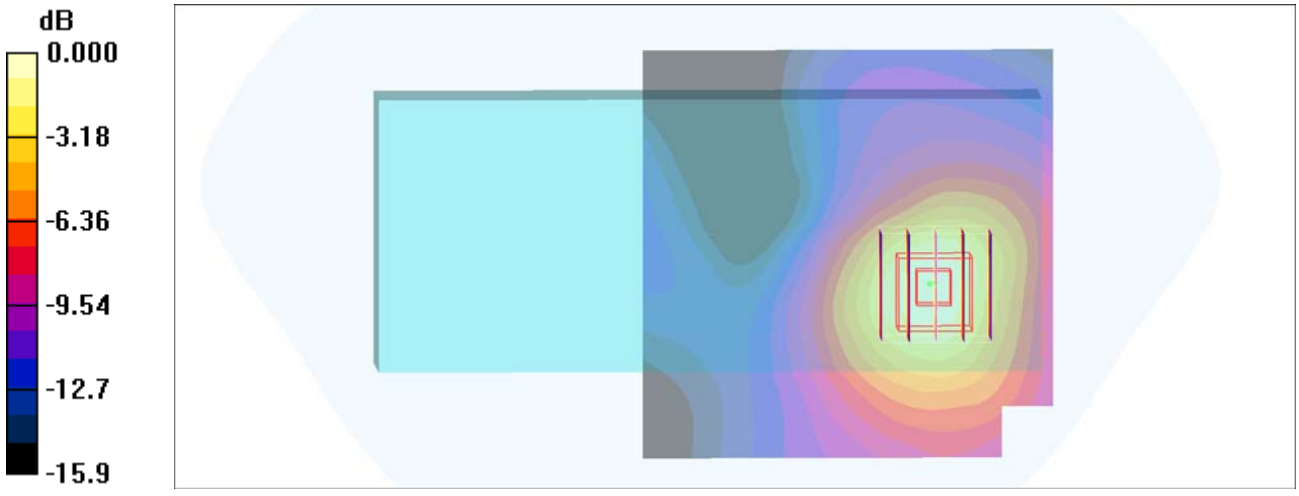
#27_GSM1900_GPRS (1 Tx slot)_Back_10mm_Ch810_Sample 1

Communication System: PCS; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: MSL_1900_161230 Medium parameters used: f = 1910 MHz; σ = 1.57 mho/m; ε_r = 55; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(4.7, 4.7, 4.7); Calibrated: 2016/8/26
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2016/5/12
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.828 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.8 V/m; Power Drift = -0.092 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.686 mW/g; SAR(10 g) = 0.410 mW/g
Maximum value of SAR (measured) = 0.815 mW/g



0 dB = 0.815mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2016/12/30

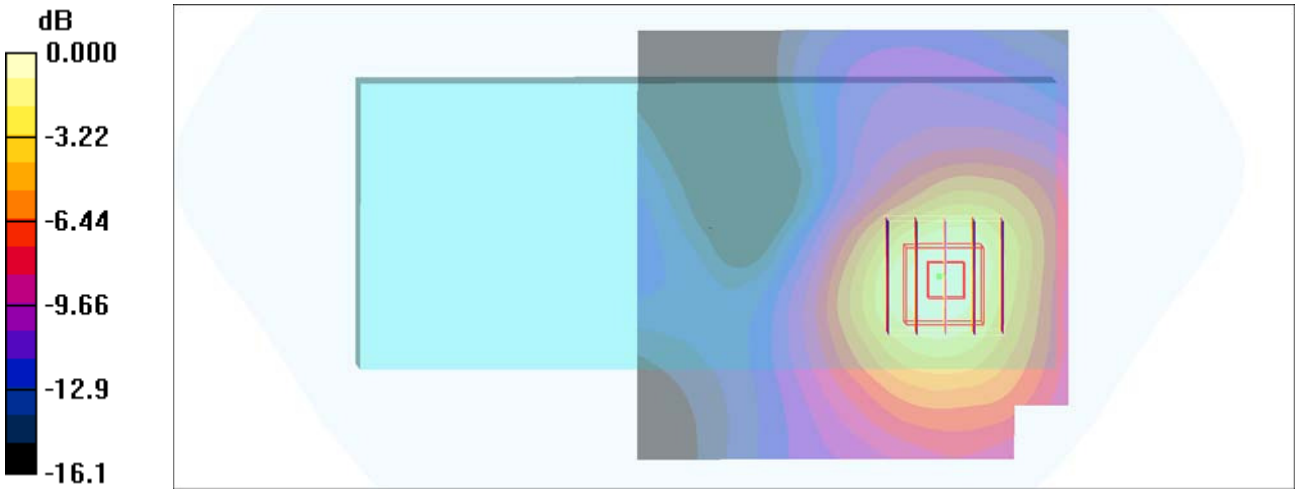
#28_WCDMA II_RMC 12.2Kbps_Back_10mm_Ch9538_Sample 1

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_161230 Medium parameters used: f = 1908 MHz; σ = 1.57 mho/m; ε_r = 55; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(4.7, 4.7, 4.7); Calibrated: 2016/8/26
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2016/5/12
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.43 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.6 V/m; Power Drift = -0.077 dB
Peak SAR (extrapolated) = 1.88 W/kg
SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.722 mW/g
Maximum value of SAR (measured) = 1.42 mW/g



0 dB = 1.42mW/g

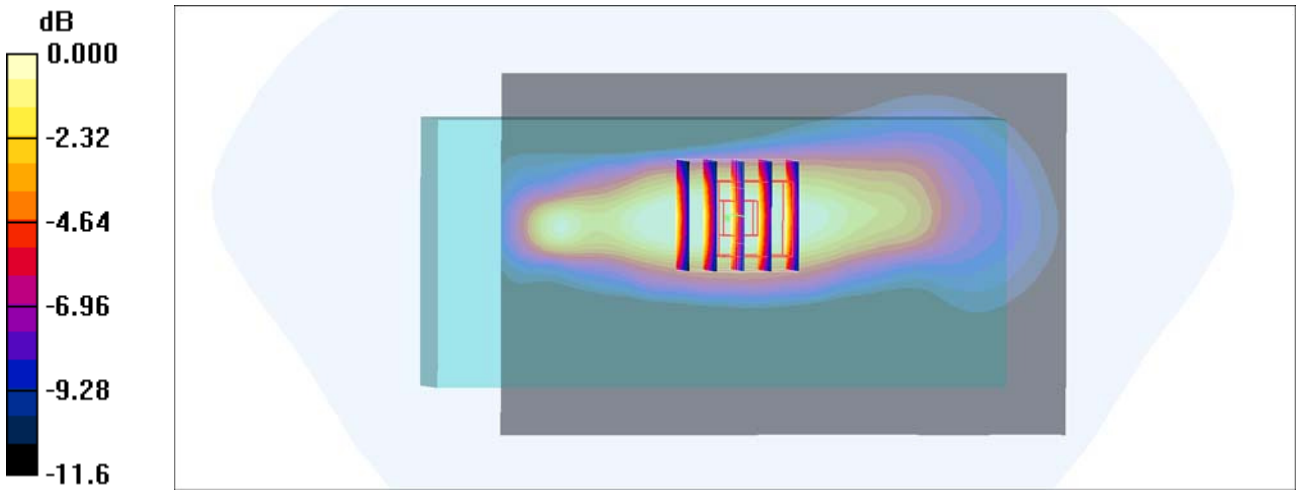
#29_WCDMA V_RMC 12.2Kbps_Back_0mm_Ch4182;Holster_Sample 4

Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: MSL_850_170104 Medium parameters used: f = 836.4 MHz; σ = 0.953 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(10.18, 10.18, 10.18); Calibrated: 2016/11/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.82 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 40.9 V/m; Power Drift = -0.101 dB
Peak SAR (extrapolated) = 1.65 W/kg
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.682 mW/g
Maximum value of SAR (measured) = 1.44 mW/g



0 dB = 1.44mW/g

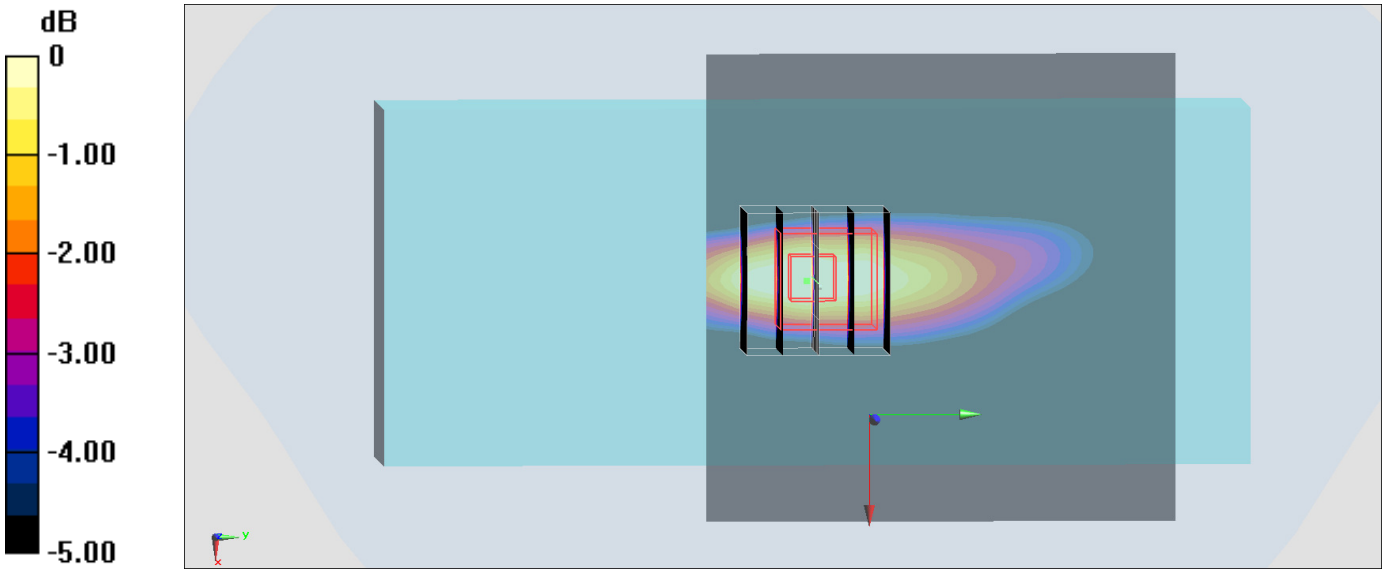
#30_CDMA BC0_1xRTT RC3 SO32_Back_0mm_Ch384;Holster_Sample 1

Communication System: CDMA; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: MSL_850_170101 Medium parameters used: f = 837 MHz; σ = 0.977 S/m; ε_r = 57.175; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3925; ConvF(9.91, 9.91, 9.91); Calibrated: 2016/5/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- Phantom: SAM-Right; Type: SAM; Serial: 1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.43 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 36.42 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.930 W/kg; SAR(10 g) = 0.583 W/kg
Maximum value of SAR (measured) = 1.27 W/kg



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

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2016/12/30

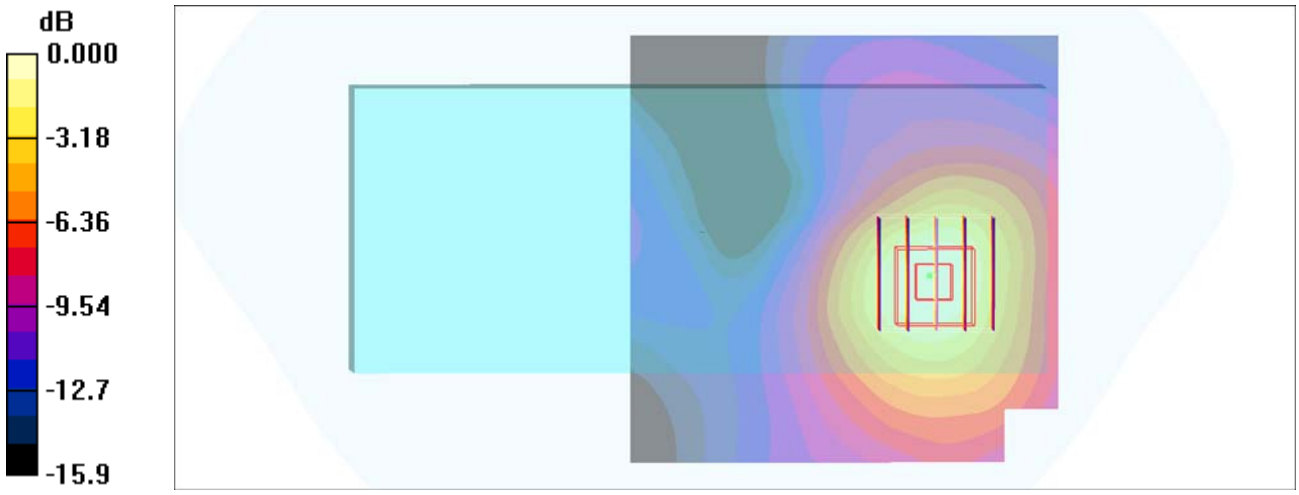
#31_CDMA BC1_1xRTT RC3 SO32_Back_10mm_Ch1175_Sample 1

Communication System: CDMA ; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_161230 Medium parameters used: f = 1909 MHz; σ = 1.57 mho/m; ε_r = 55; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(4.7, 4.7, 4.7); Calibrated: 2016/8/26
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2016/5/12
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.27 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.8 V/m; Power Drift = -0.129 dB
Peak SAR (extrapolated) = 1.62 W/kg
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.619 mW/g
Maximum value of SAR (measured) = 1.22 mW/g



0 dB = 1.22mW/g

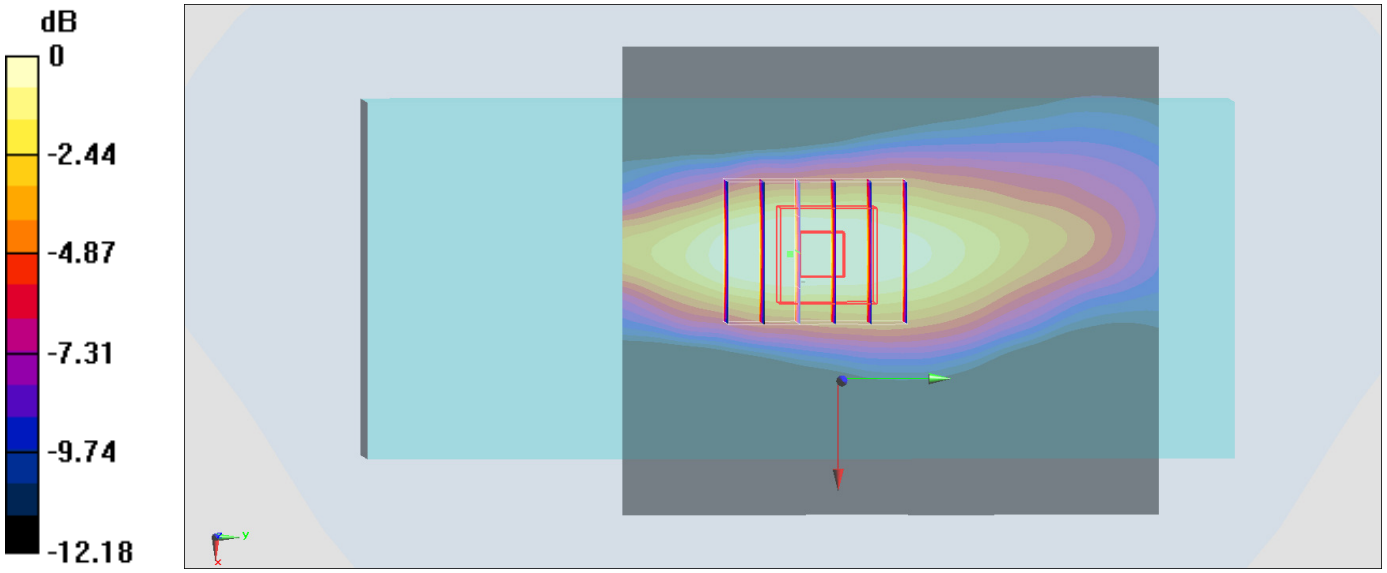
#32_CDMA **B**C10_1xRTT **R**C3 **S**O32_Back_0mm_Ch580;Holster_Sample 1

Communication System: CDMA; Frequency: 820.5 MHz;Duty Cycle: 1:1
Medium: MSL_850_170101 Medium parameters used: f = 820.5 MHz; σ = 0.962 S/m; ε_r = 57.328; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3925; ConvF(9.91, 9.91, 9.91); Calibrated: 2016/5/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- Phantom: SAM-Right; Type: SAM; Serial: 1795
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.35 W/kg

Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.50 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.844 W/kg; SAR(10 g) = 0.534 W/kg
Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 1.16 W/kg = 0.64 dBW/kg

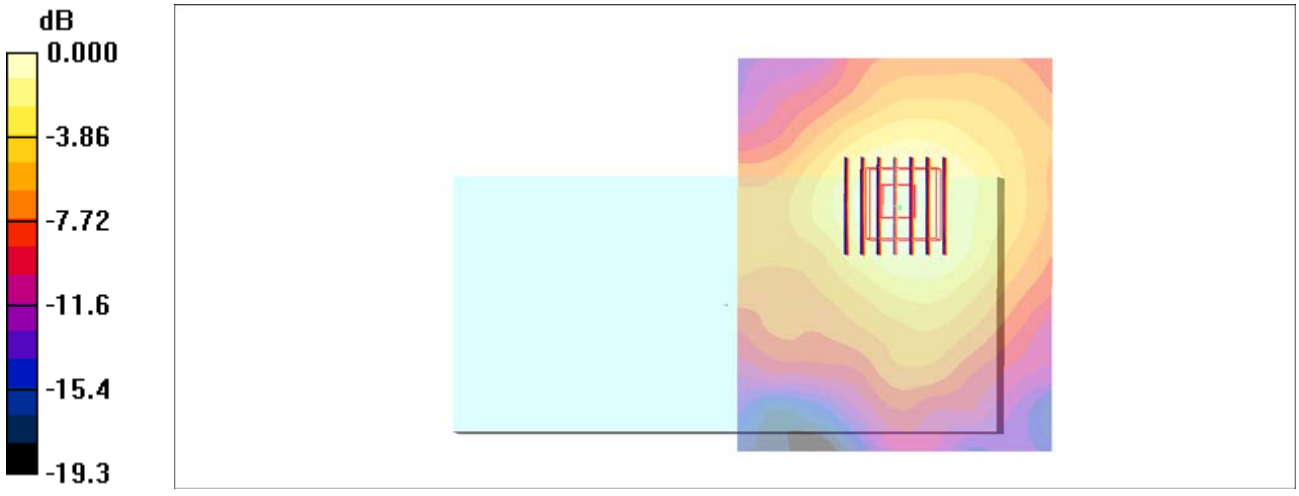
#33_WLAN2.4GHz_802.11b 1Mbps_Back_10mm_Ch6_Sample 4

Communication System: 802.11b ; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_170112 Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; ε_r = 54.2; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(7.73, 7.73, 7.73); Calibrated: 2016/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (101x81x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.088 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.96 V/m; Power Drift = 0.039 dB
Peak SAR (extrapolated) = 0.106 W/kg
SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.033 mW/g
Maximum value of SAR (measured) = 0.086 mW/g



0 dB = 0.086mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/1/17

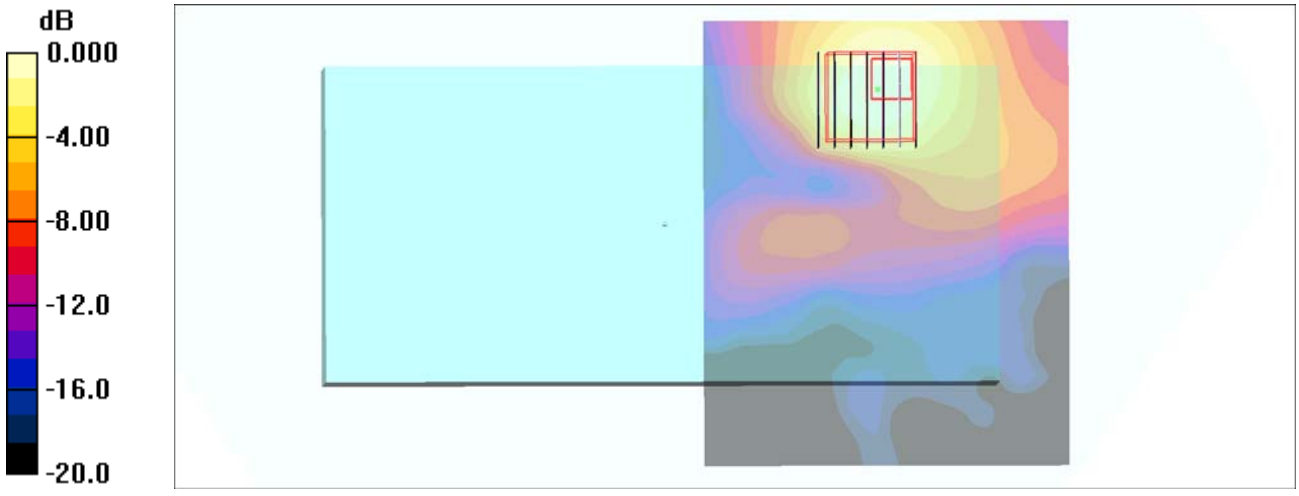
#34_WLAN5GHz_802.11a 6Mbps_Back_10mm_Ch64_Sample 4

Communication System: 802.11a; Frequency: 5320 MHz;Duty Cycle: 1:1.011
Medium: MSL_5G_170117 Medium parameters used: f = 5320 MHz; σ = 5.64 mho/m; ε_r = 46.9; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(4.57, 4.57, 4.57); Calibrated: 2016/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (111x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.916 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 12.1 V/m; Power Drift = 0.136 dB
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 0.376 mW/g; SAR(10 g) = 0.146 mW/g
Maximum value of SAR (measured) = 0.918 mW/g



0 dB = 0.918mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/1/17

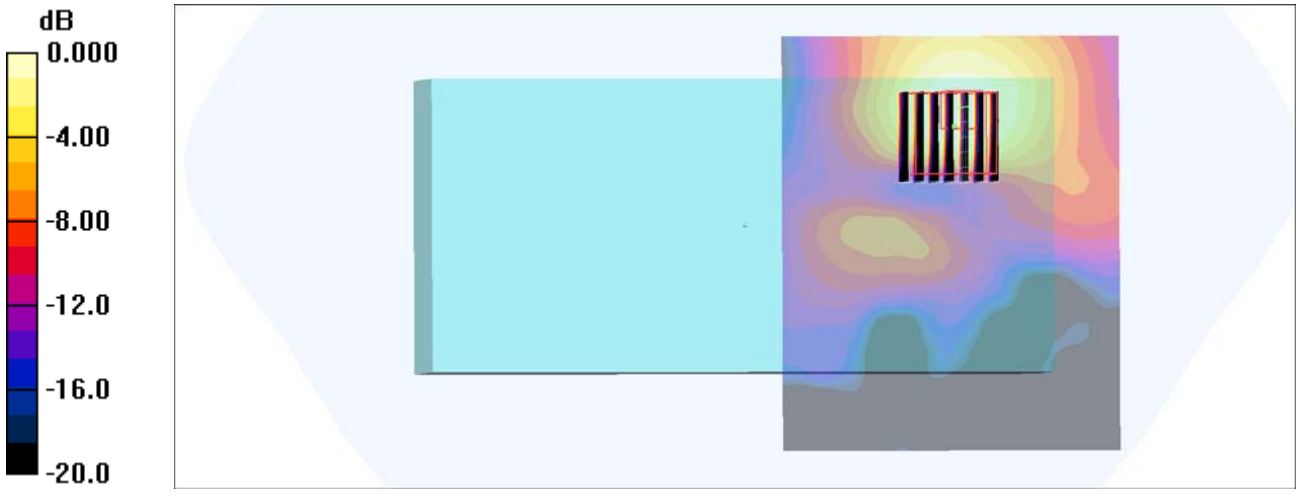
#35_WLAN5GHz_802.11a 6Mbps_Back_10mm_Ch100_Sample 4

Communication System: 802.11a; Frequency: 5500 MHz;Duty Cycle: 1:1.011
Medium: MSL_5G_170117 Medium parameters used: f = 5500 MHz; σ = 5.87 mho/m; ε_r = 46.6; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(3.71, 3.71, 3.71); Calibrated: 2016/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (111x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.740 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 12.4 V/m; Power Drift = -0.065 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.329 mW/g; SAR(10 g) = 0.104 mW/g
Maximum value of SAR (measured) = 0.717 mW/g



0 dB = 0.717mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/1/17

#36_WLAN5GHz_802.11a 6Mbps_Back_10mm_Ch165_Sample 3

Communication System: 802.11a; Frequency: 5825 MHz;Duty Cycle: 1:1.012
Medium: MSL_5G_170117 Medium parameters used: f = 5825 MHz; σ = 6.32 mho/m; ε_r = 46.1; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(4.01, 4.01, 4.01); Calibrated: 2016/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (111x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.902 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 10.1 V/m; Power Drift = -0.191 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.364 mW/g; SAR(10 g) = 0.135 mW/g
Maximum value of SAR (measured) = 0.839 mW/g

0 dB = 0.839mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/1/17

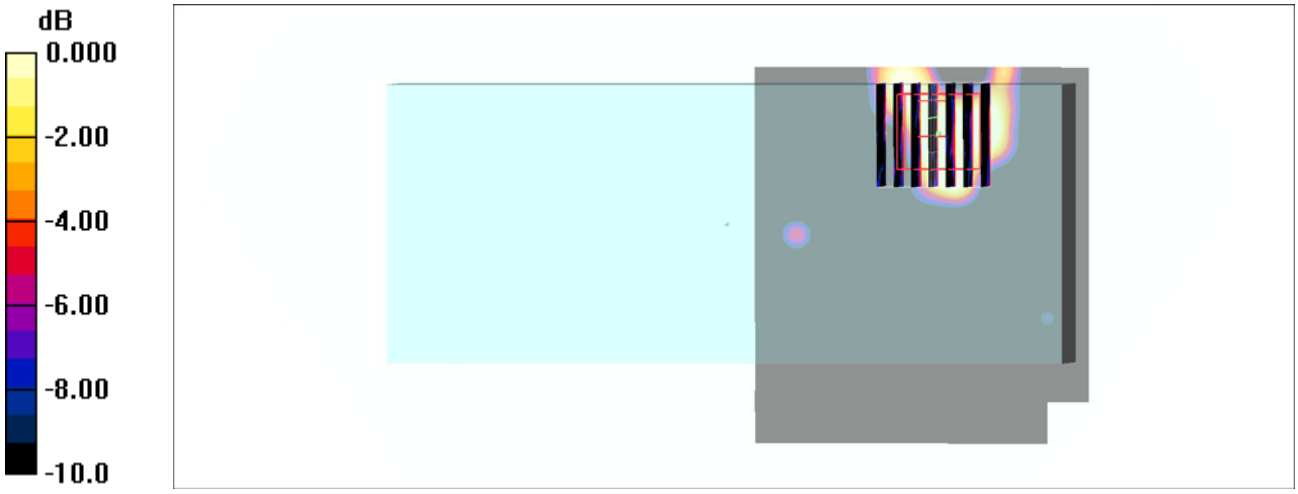
#37_Bluetooth_1Mbps_Back_10mm_Ch39_Sample 2

Communication System: Bluetooth; Frequency: 2441 MHz;Duty Cycle: 1:1.297
Medium: MSL_2450_170117 Medium parameters used: f = 2441 MHz; σ = 2 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(7.73, 7.73, 7.73); Calibrated: 2016/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1383
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (91x81x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.012 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.02 V/m; Power Drift = -0.128 dB
Peak SAR (extrapolated) = 0.012 W/kg
SAR(1 g) = 0.00252 mW/g; SAR(10 g) = 0.000827 mW/g
Maximum value of SAR (measured) = 0.007 mW/g



0 dB = 0.007mW/g