SAR Plots

Test Laboratory: BACL . SAR Testing Lab Date: 7/17/2019

#01_WLAN2.4G_802.11b 1Mbps_Right Cheek_Ch11

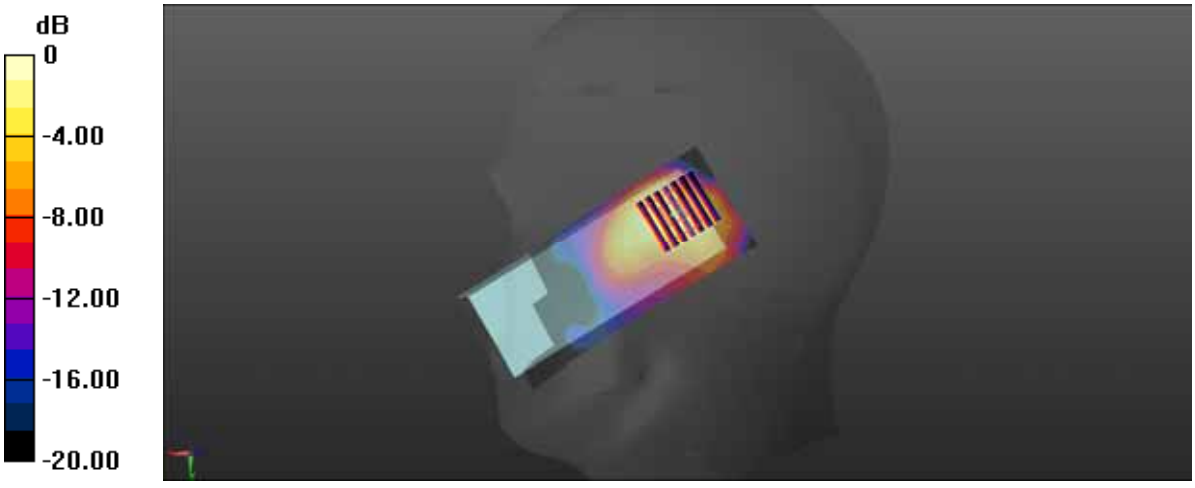
DUT: MIP-300

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used: f = 2462 MHz; σ = 1.848 S/m; ε_r = 38.532; ρ = 1000 kg/m^3
Ambient Temperature：24.0 ℃; Liquid Temperature：23.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33) ; Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.12 (7470)

Ch11/Area Scan (51x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.736 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.73 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.927 W/kg
SAR(1 g) = 0.440 W/kg; SAR(10 g) = 0.209 W/kg
Maximum value of SAR (measured) = 0.717 W/kg



0 dB = 0.717 W/kg = -1.44 dBW/kg

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Taiwan) The determination of the test results does not require consideration of the uncertainty of the measurement ， unless the assessment is required by customer agreement, regulation or standard document specification.

Test Laboratory: BACL . SAR Testing Lab Date: 7/17/2019

#02_WLAN2.4G_802.11b 1Mbps_Right Tilted_Ch11

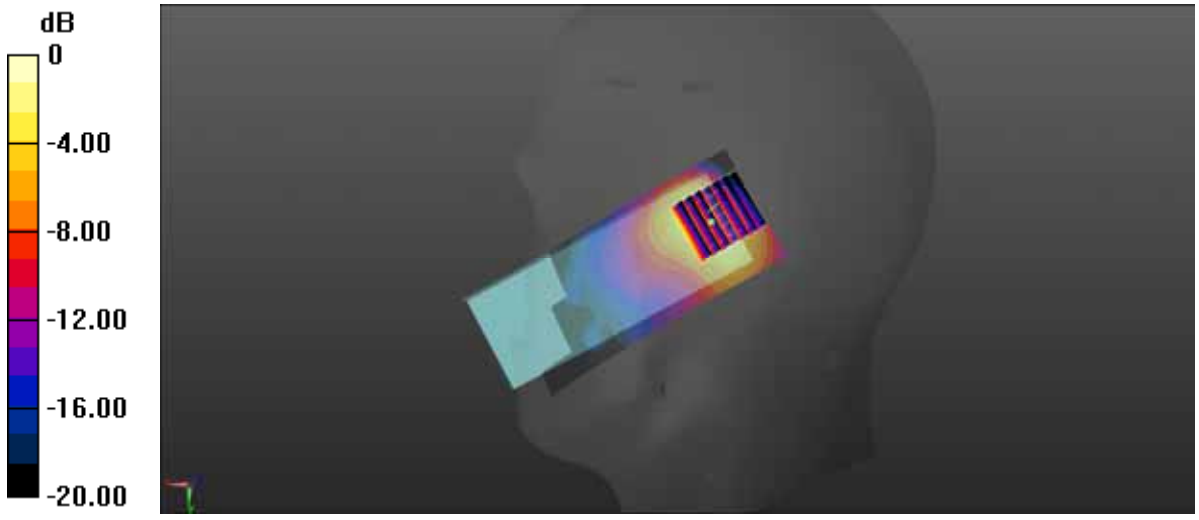
DUT: MIP-300

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used: f = 2462 MHz; σ = 1.848 S/m; ε_r = 38.532; ρ = 1000 kg/m^3
Ambient Temperature：24.0 ℃; Liquid Temperature：23.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33) ; Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.12 (7470)

Ch11/Area Scan (51x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.615 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.27 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.782 W/kg
SAR(1 g) = 0.367 W/kg; SAR(10 g) = 0.175 W/kg
Maximum value of SAR (measured) = 0.618 W/kg



0 dB = 0.618 W/kg = -2.09 dBW/kg

Test Laboratory: BACL . SAR Testing Lab Date: 7/17/2019

#03_WLAN2.4G_802.11b 1Mbps_Left Cheek_Ch11

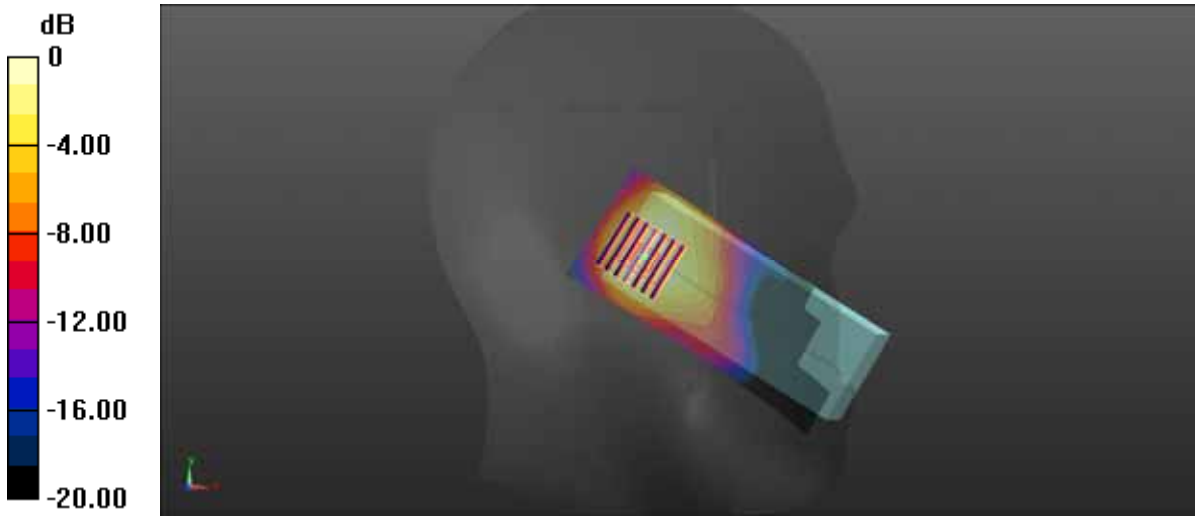
DUT: MIP-300

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used: f = 2462 MHz; σ = 1.848 S/m; ε_r = 38.532; ρ = 1000 kg/m^3
Ambient Temperature：24.0 ℃; Liquid Temperature：23.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33) ; Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Ch11/Area Scan (51x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.632 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.07 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.721 W/kg
SAR(1 g) = 0.359 W/kg; SAR(10 g) = 0.188 W/kg
Maximum value of SAR (measured) = 0.575 W/kg



0 dB = 0.575 W/kg = -2.40 dBW/kg

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Taiwan)

Test Laboratory: BACL . SAR Testing Lab Date: 7/17/2019

#04_WLAN2.4G_802.11b 1Mbps_Left Tilted_Ch11

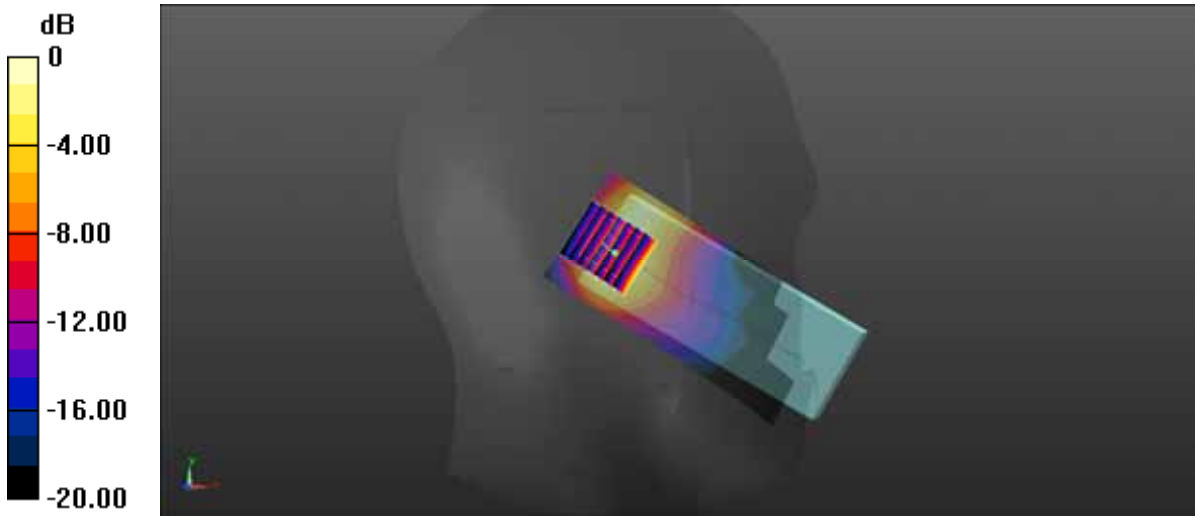
DUT: MIP-300

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used: f = 2462 MHz; σ = 1.848 S/m; ε_r = 38.532; ρ = 1000 kg/m^3
Ambient Temperature：24.0 ℃; Liquid Temperature：23.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33) ; Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Ch11/Area Scan (51x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.511 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.18 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.634 W/kg
SAR(1 g) = 0.307 W/kg; SAR(10 g) = 0.151 W/kg
Maximum value of SAR (measured) = 0.502 W/kg



0 dB = 0.502 W/kg = -2.99 dBW/kg

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Taiwan)

Test Laboratory: BACL . SAR Testing Lab Date: 7/17/2019

#05_WLAN2.4G_802.11b 1Mbps_Front_10mm_Ch11

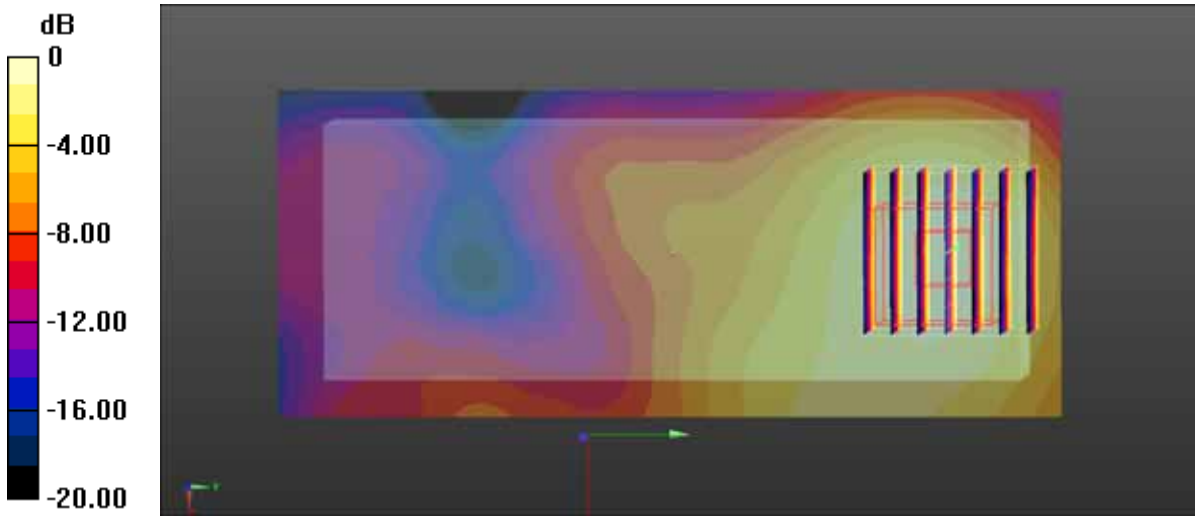
DUT: MIP-300

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used: f = 2462 MHz; σ = 1.848 S/m; ε_r = 38.532; ρ = 1000 kg/m^3
Ambient Temperature：24.0 ℃; Liquid Temperature：23.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33) ; Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Ch11/Area Scan (51x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.186 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.130 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.220 W/kg
SAR(1 g) = 0.115 W/kg; SAR(10 g) = 0.062 W/kg
Maximum value of SAR (measured) = 0.181 W/kg



0 dB = 0.181 W/kg = -7.42 dBW/kg

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Taiwan)

Test Laboratory: BACL . SAR Testing Lab Date: 7/17/2019

#06_WLAN2.4G_802.11b 1Mbps_Back_0mm_Ch11_Belt Clip

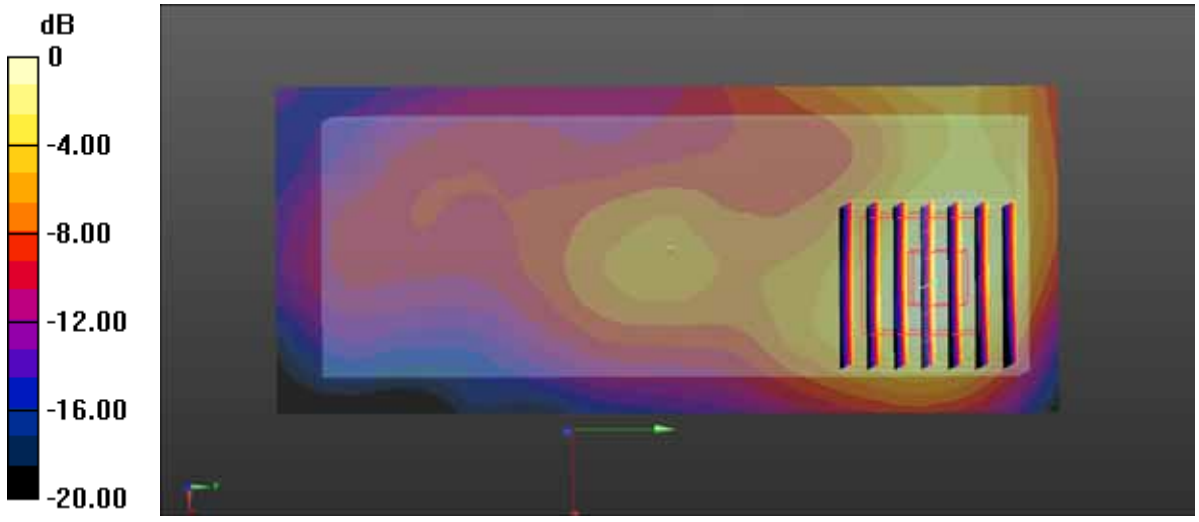
DUT: MIP-300

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used: f = 2462 MHz; σ = 1.848 S/m; ε_r = 38.532; ρ = 1000 kg/m^3
Ambient Temperature：24.0 ℃; Liquid Temperature：23.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33) MHz; Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Ch11/Area Scan (51x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.326 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.09 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.744 W/kg
SAR(1 g) = 0.188 W/kg; SAR(10 g) = 0.085 W/kg
Maximum value of SAR (measured) = 0.326 W/kg



0 dB = 0.326 W/kg = -4.87 dBW/kg

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Taiwan)

Test Laboratory: BACL . SAR Testing Lab Date: 7/17/2019

#07_WLAN2.4G_802.11b 1Mbps_Top Side_10mm_Ch11

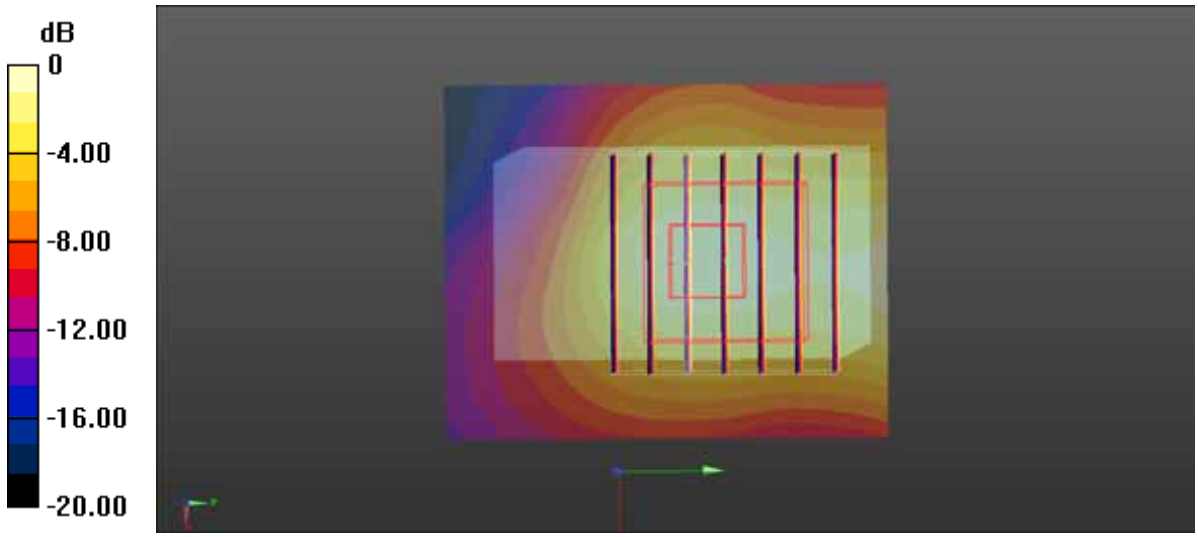
DUT: MIP-300

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used: f = 2462 MHz; σ = 1.848 S/m; ε_r = 38.532; ρ = 1000 kg/m^3
Ambient Temperature：24.0 ℃; Liquid Temperature：23.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33) ; Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Ch11/Area Scan (41x51x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.318 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.26 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.405 W/kg
SAR(1 g) = 0.191 W/kg; SAR(10 g) = 0.092 W/kg
Maximum value of SAR (measured) = 0.320 W/kg



0 dB = 0.320 W/kg = -4.95 dBW/kg

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Taiwan)

Test Laboratory: BACL . SAR Testing Lab Date: 7/17/2019

#08_WLAN2.4G_802.11b 1Mbps_Right Side_10mm_Ch11

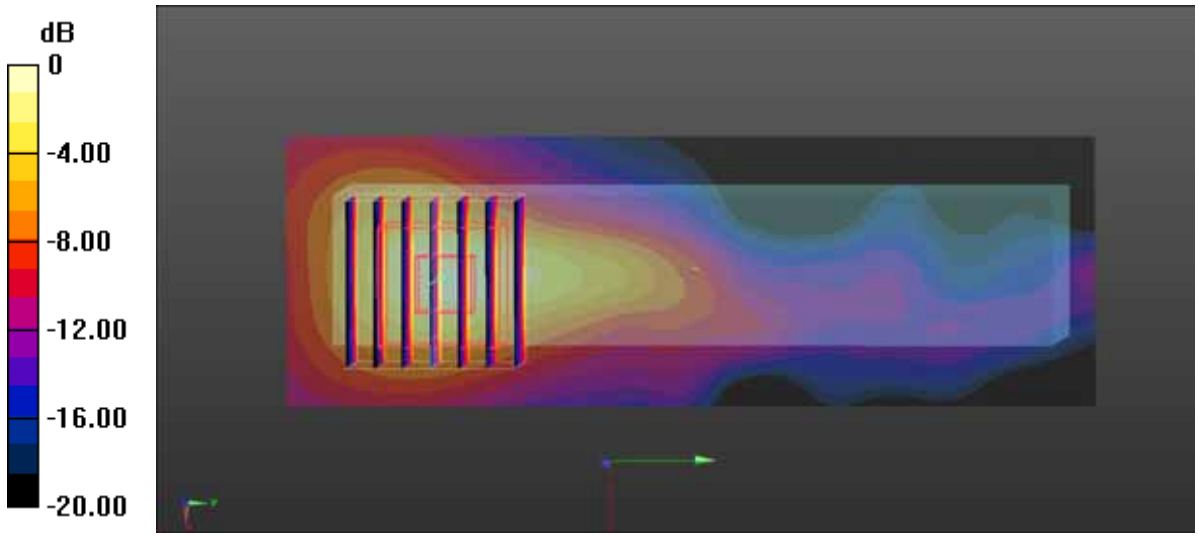
DUT: MIP-300

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used: f = 2462 MHz; σ = 1.848 S/m; ε_r = 38.532; ρ = 1000 kg/m^3
Ambient Temperature：24.0 ℃; Liquid Temperature：23.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33) ; Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Ch11/Area Scan (41x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.291 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.83 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.406 W/kg
SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.063 W/kg
Maximum value of SAR (measured) = 0.297 W/kg



0 dB = 0.297 W/kg = -5.27 dBW/kg

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Taiwan)

Test Laboratory: BACL . SAR Testing Lab Date: 7/17/2019

#09_WLAN2.4G_802.11b 1Mbps_Left Side_10mm_Ch11

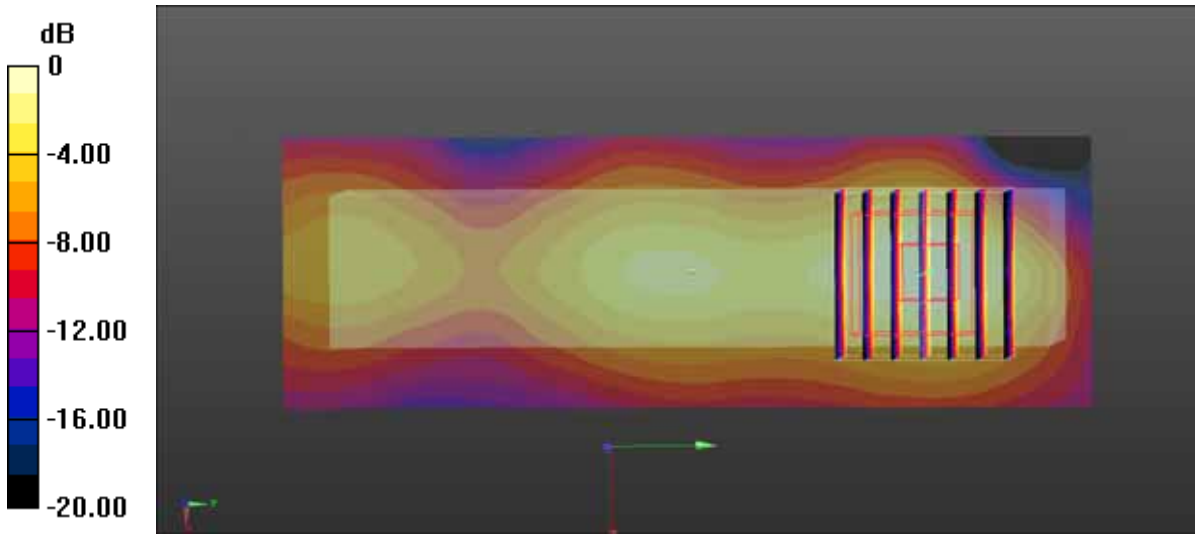
DUT: MIP-300

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used: f = 2462 MHz; σ = 1.848 S/m; ε_r = 38.532; ρ = 1000 kg/m^3
Ambient Temperature：24.0 ℃; Liquid Temperature：23.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33) ; Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

Ch11/Area Scan (41x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.189 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.28 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.220 W/kg
SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.049 W/kg
Maximum value of SAR (measured) = 0.178 W/kg



0 dB = 0.178 W/kg = -7.50 dBW/kg

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Taiwan)