#17 WLAN2.4G_802.11b_Bottom_0cm_Ch1_Ant 0

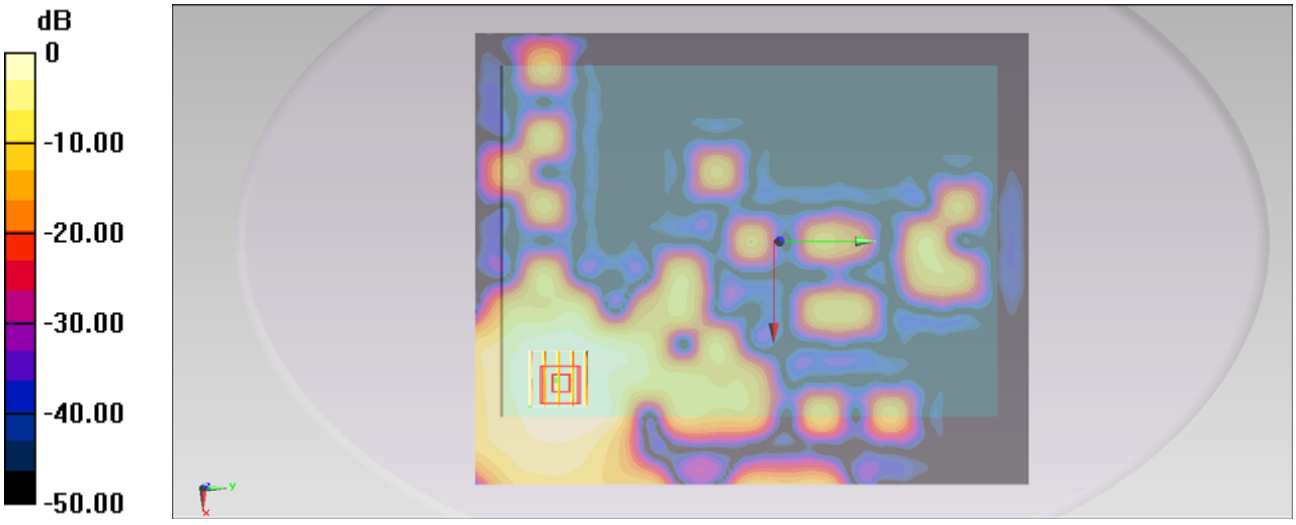
DUT: 241902

Communication System: 802.11b; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: MSL_2450_121011 Medium parameters used: f = 2412 MHz; σ = 1.959 mho/m; ε_r = 54.047; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3305; ConvF(4.28, 4.28, 4.28); Calibrated: 2012/9/12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Ch1/Area Scan (131x161x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0293 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.473 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.049 mW/g
SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.016 mW/g
Maximum value of SAR (measured) = 0.0295 mW/g



0 dB = 0.0295 mW/g = -30.60 dB mW/g

#17 WLAN2.4G_802.11b_Bottom_0cm_Ch1_Ant 0_2D

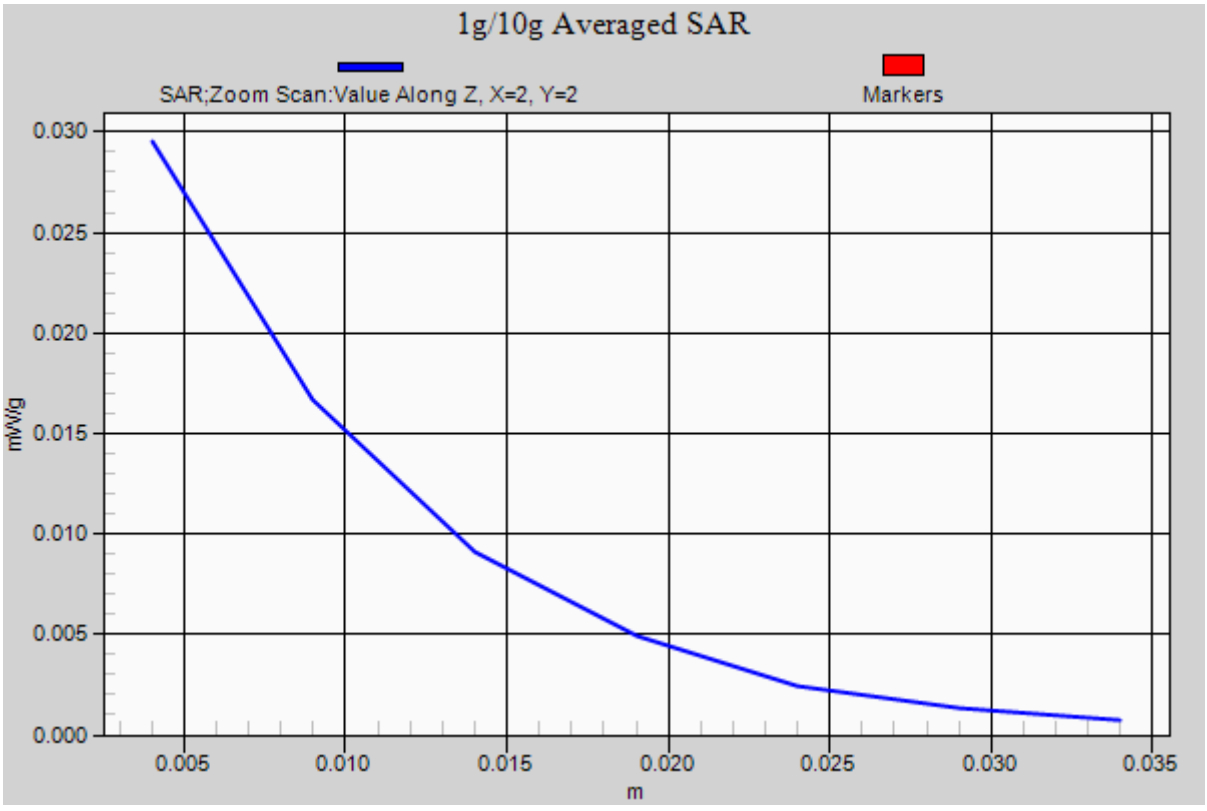
DUT: 241902

Communication System: 802.11b; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: MSL_2450_121011 Medium parameters used: f = 2412 MHz; σ = 1.959 mho/m; ε_r = 54.047; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3305; ConvF(4.28, 4.28, 4.28); Calibrated: 2012/9/12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Ch1/Area Scan (131x161x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0293 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.473 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.049 mW/g
SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.016 mW/g
Maximum value of SAR (measured) = 0.0295 mW/g



#24 WLAN2.4G_802.11g_Bottom_0cm_Ch6_Ant 0

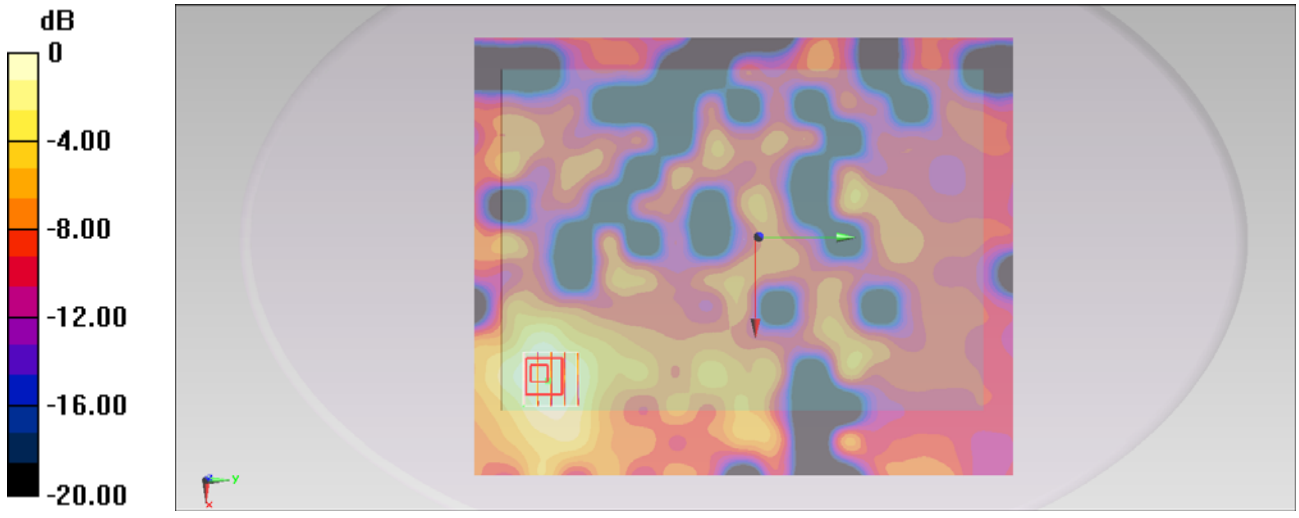
DUT: 241902

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_121019 Medium parameters used: f = 2437 MHz; σ = 1.95 mho/m; ε_r = 53.846; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3801; ConvF(6.59, 6.59, 6.59); Calibrated: 2012/6/22;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Ch6/Area Scan (131x161x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0228 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.938 V/m; Power Drift = -0.049 dB
Peak SAR (extrapolated) = 0.032 mW/g
SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.012 mW/g
Maximum value of SAR (measured) = 0.0214 mW/g



0 dB = 0.0214 mW/g = -33.39 dB mW/g

#20 WLAN2.4G_802.11n_Bottom_0cm_Ch6_Ant 0+1

DUT: 241902

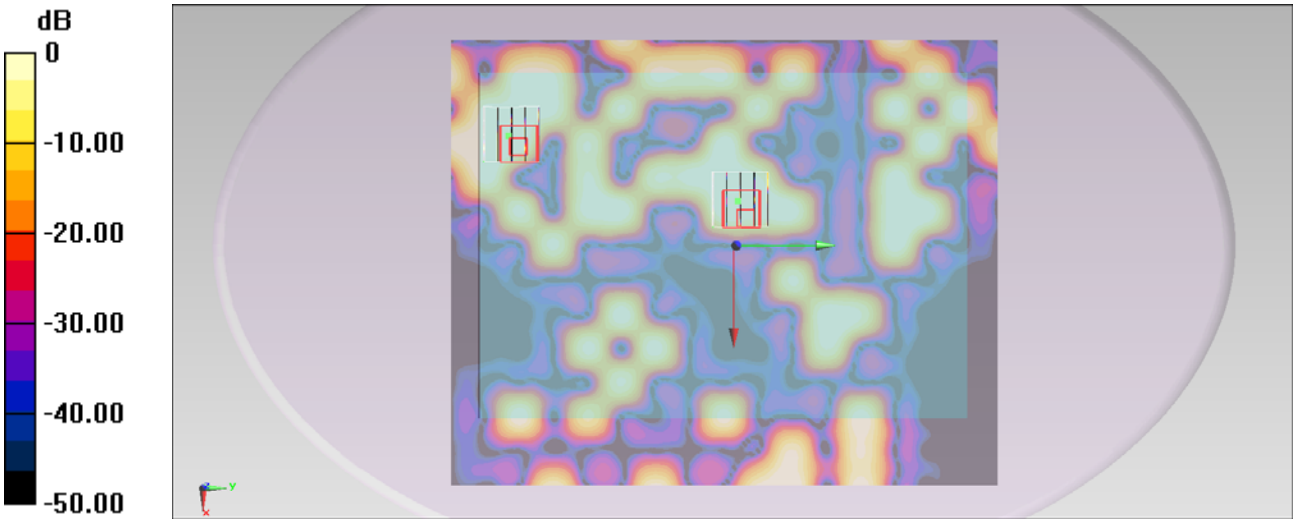
Communication System: 802.11n; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_121011 Medium parameters used: f = 2437 MHz; σ = 1.996 mho/m; ε_r = 53.979; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3305; ConvF(4.28, 4.28, 4.28); Calibrated: 2012/9/12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2012/6/12
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Ch6/Area Scan (131x161x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.00635 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.065 V/m; Power Drift = -0.040 dB
Peak SAR (extrapolated) = 0.015 mW/g
SAR(1 g) = 0.00323 mW/g; SAR(10 g) = 0.000913 mW/g
Maximum value of SAR (measured) = 0.00288 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.065 V/m; Power Drift = -0.040 dB
Peak SAR (extrapolated) = 0.00986 mW/g
SAR(1 g) = 0.00199 mW/g; SAR(10 g) = 0.000652 mW/g
Maximum value of SAR (measured) = 0.00190 mW/g



0 dB = 0.00190 mW/g = -54.42 dB mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2012/5/16

#01 WLAN5G_802.11a_Bottom_0cm_Ch44_Ant 0

DUT: 241902

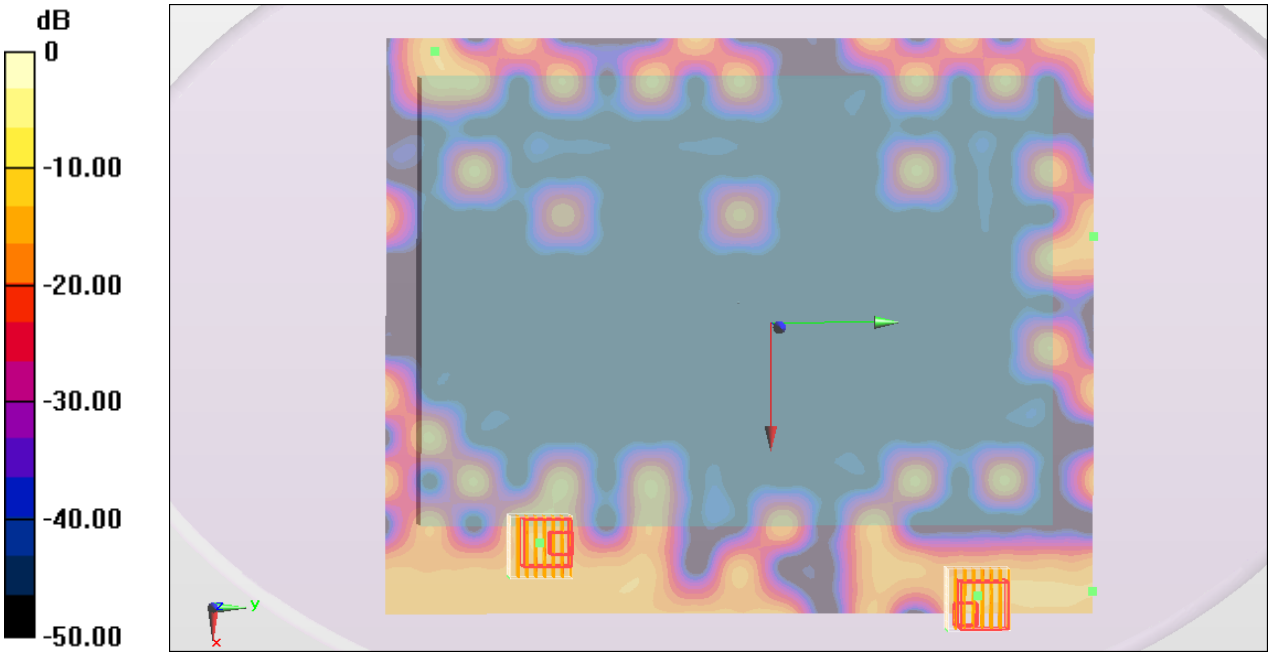
Communication System: 802.11a; Frequency: 5220 MHz;Duty Cycle: 1:1.5
Medium: MSL_5G_120516 Medium parameters used : f = 5220 MHz; σ = 5.192 mho/m; ε_r = 48.457; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/11/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch44/Area Scan (261x321x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0636 mW/g

Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.952 V/m; Power Drift = -0.116 dB
Peak SAR (extrapolated) = 0.141 mW/g
SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.0059 mW/g
Maximum value of SAR (measured) = 0.0244 mW/g

Ch44/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.952 V/m; Power Drift = -0.116 dB
Peak SAR (extrapolated) = 0.382 mW/g
SAR(1 g) = 0.000714 mW/g; SAR(10 g) = 3.41e-005 mW/g
Maximum value of SAR (measured) = 0.382 mW/g



0 dB = 0.382 mW/g = -8.36 dB mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2012/5/16

#01 WLAN5G_802.11a_Bottom_0cm_Ch44_Ant 0_2D

DUT: 241902

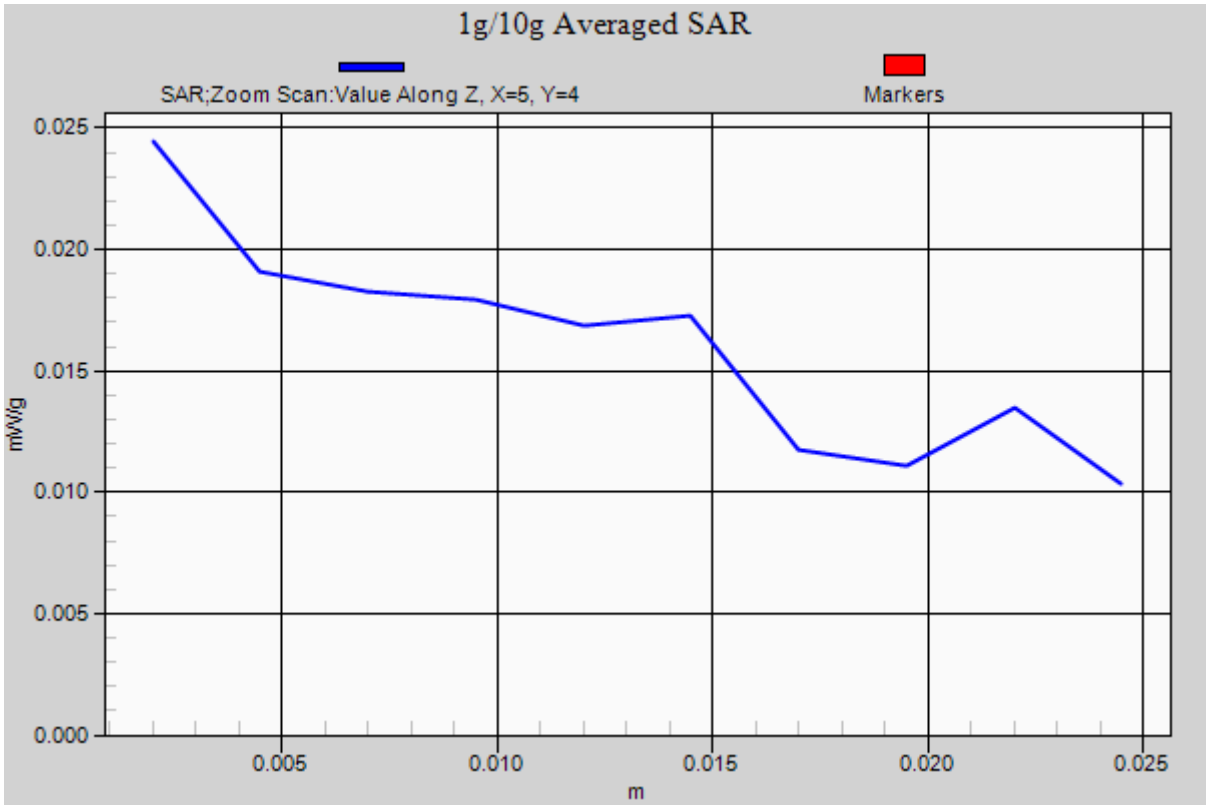
Communication System: 802.11a; Frequency: 5220 MHz;Duty Cycle: 1:1.5
Medium: MSL_5G_120516 Medium parameters used : f = 5220 MHz; σ = 5.192 mho/m; ε_r = 48.457; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/11/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch44/Area Scan (261x321x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0636 mW/g

Ch44/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.952 V/m; Power Drift = -0.116 dB
Peak SAR (extrapolated) = 0.141 mW/g
SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.0059 mW/g
Maximum value of SAR (measured) = 0.0244 mW/g

Ch44/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.952 V/m; Power Drift = -0.116 dB
Peak SAR (extrapolated) = 0.382 mW/g
SAR(1 g) = 0.000714 mW/g; SAR(10 g) = 3.41e-005 mW/g
Maximum value of SAR (measured) = 0.382 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2012/5/16

#07 WLAN5G_802.11n(20M)_Bottom_0cm_Ch36_Ant 0+1

DUT: 241902

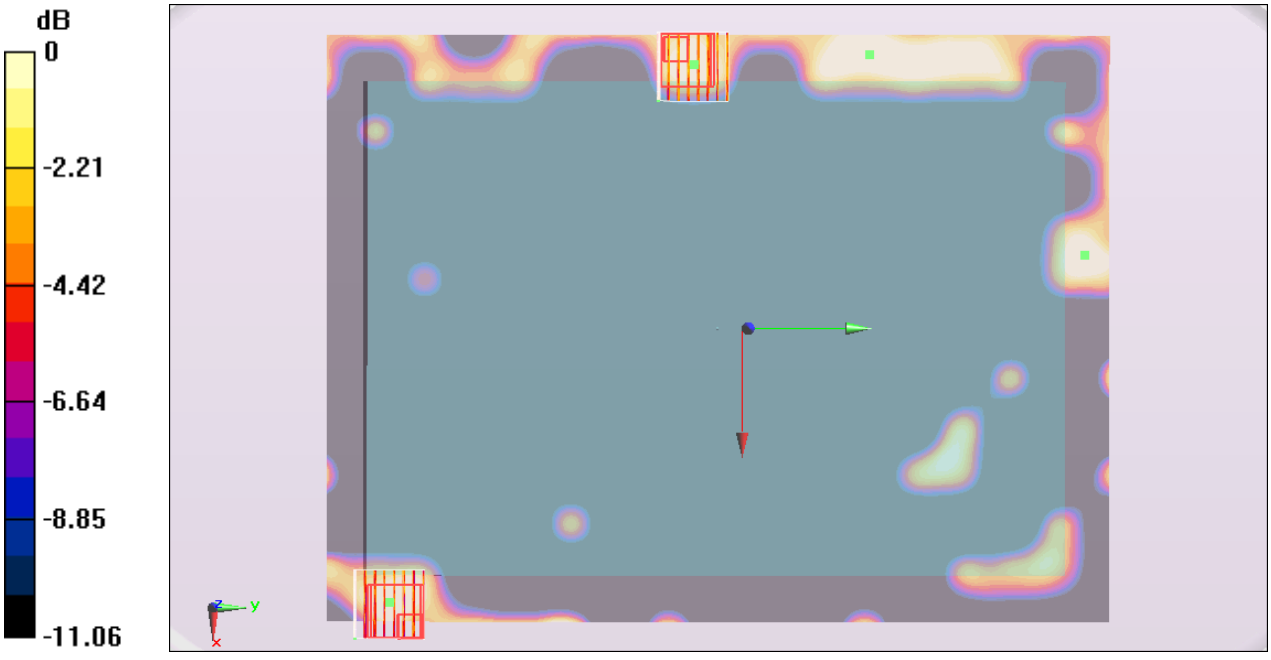
Communication System: 802.11n; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium: MSL_5G_120516 Medium parameters used: f = 5180 MHz; σ = 5.134 mho/m; ε_r = 48.523; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/11/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch36/Area Scan (241x321x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0683 mW/g

Ch36/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.830 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.239 mW/g
SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00464 mW/g
Maximum value of SAR (measured) = 0.239 mW/g

Ch36/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.830 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.109 mW/g
SAR(1 g) = 0.00947 mW/g; SAR(10 g) = 0.00332 mW/g
Maximum value of SAR (measured) = 0.0351 mW/g



0 dB = 0.0351 mW/g = -29.09 dB mW/g

#25 WLAN5G_802.11n(40M)_Bottom_0cm_Ch46_Ant 0+1

DUT: 241902

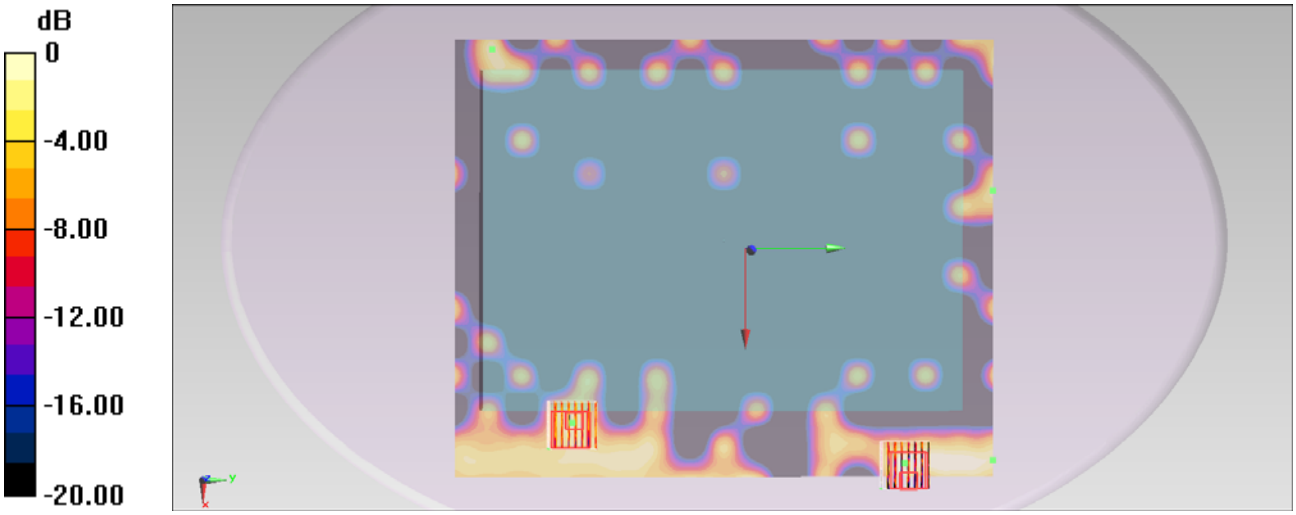
Communication System: 802.11n; Frequency: 5230 MHz;Duty Cycle: 1:1
Medium: MSL_5G_121019 Medium parameters used : f = 5230 MHz; σ = 5.346 mho/m; ε_r = 49.143; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(4.29, 4.29, 4.29); Calibrated: 2012/9/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Ch46/Area Scan (261x321x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0564 mW/g

Ch46/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.773 V/m; Power Drift = 0.089 dB
Peak SAR (extrapolated) = 0.112 mW/g
SAR(1 g) = 0.00116 mW/g; SAR(10 g) = 0.000305 mW/g
Maximum value of SAR (measured) = 0.112 mW/g

Ch46/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.773 V/m; Power Drift = 0.089 dB
Peak SAR (extrapolated) = 0.024 mW/g
SAR(1 g) = 4.46e-005 mW/g; SAR(10 g) = 2.13e-006 mW/g
Maximum value of SAR (measured) = 0.0522 mW/g



0 dB = 0.0522 mW/g = -25.65 dB mW/g

#03 WLAN5G_802.11a_Bottom_0cm_Ch52_Ant 0

DUT: 241902

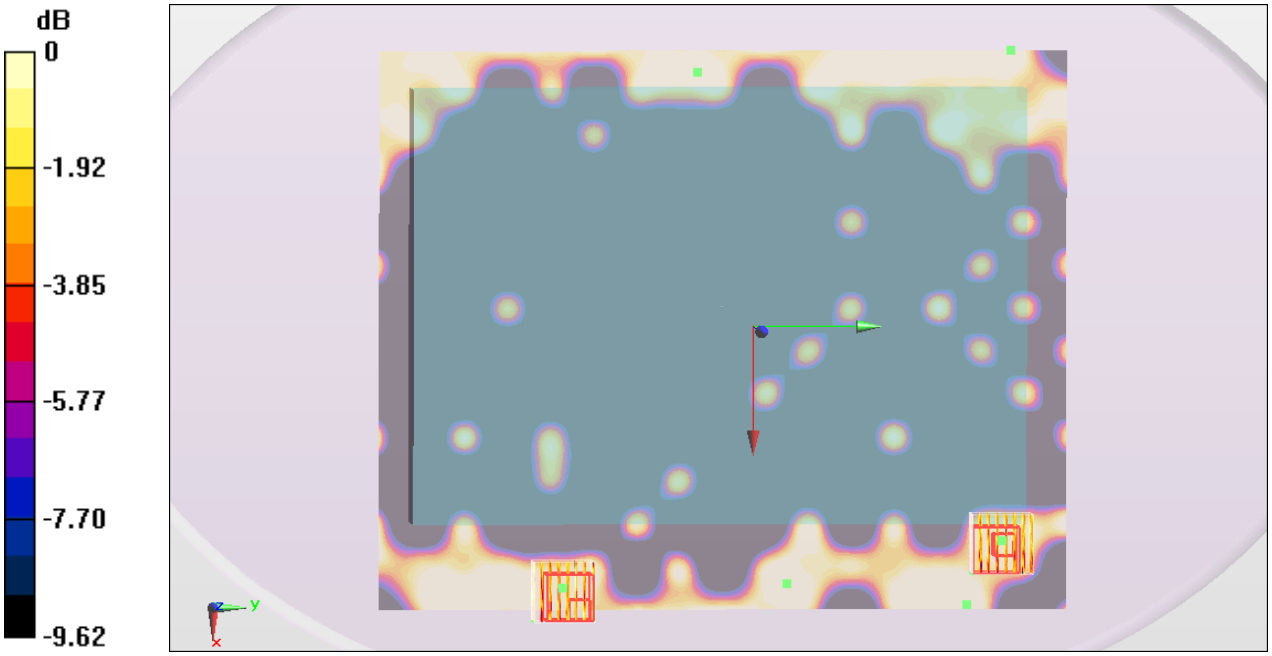
Communication System: 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1.5
Medium: MSL_5G_120516 Medium parameters used : f = 5260 MHz; σ = 5.249 mho/m; ε_r = 48.381; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.16, 4.16, 4.16); Calibrated: 2011/11/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch52/Area Scan (261x321x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0608 mW/g

Ch52/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.742 V/m; Power Drift = -0.145 dB
Peak SAR (extrapolated) = 0.199 mW/g
SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00644 mW/g
Maximum value of SAR (measured) = 0.0639 mW/g

Ch52/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.742 V/m; Power Drift = -0.145 dB
Peak SAR (extrapolated) = 0.122 mW/g
SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00492 mW/g
Maximum value of SAR (measured) = 0.0230 mW/g



0 dB = 0.0230 mW/g = -32.77 dB mW/g

#10 WLAN5G_802.11n(20M)_Bottom_0cm_Ch60_Ant 0+1

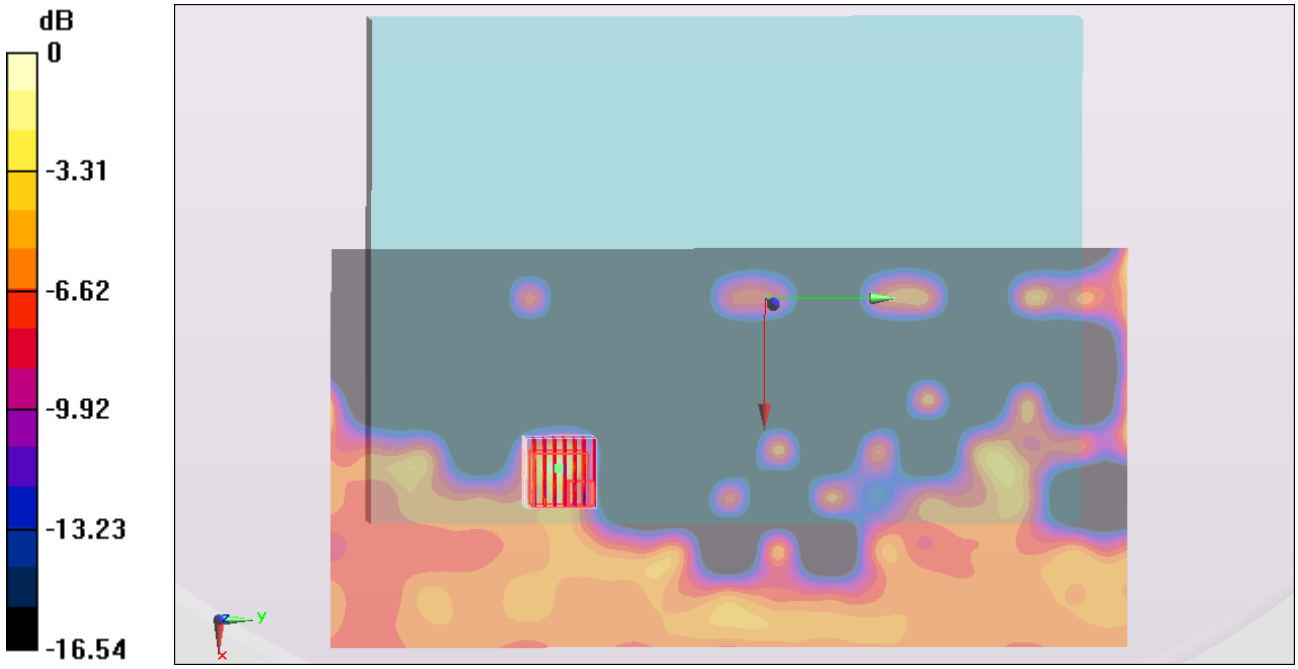
DUT: 241902

Communication System: 802.11n; Frequency: 5300 MHz;Duty Cycle: 1:1
Medium: MSL_5G_120516 Medium parameters used: f = 5300 MHz; σ = 5.301 mho/m; ε_r = 48.29; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.16, 4.16, 4.16); Calibrated: 2011/11/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch60/Area Scan (161x321x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0702 mW/g

Ch60/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.017 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.121 mW/g
SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00606 mW/g
Maximum value of SAR (measured) = 0.0959 mW/g



0 dB = 0.0959 mW/g = -20.36 dB mW/g

#26 WLAN5G_802.11n(40M)_Bottom_0cm_Ch54_Ant 0+1

DUT: 241902

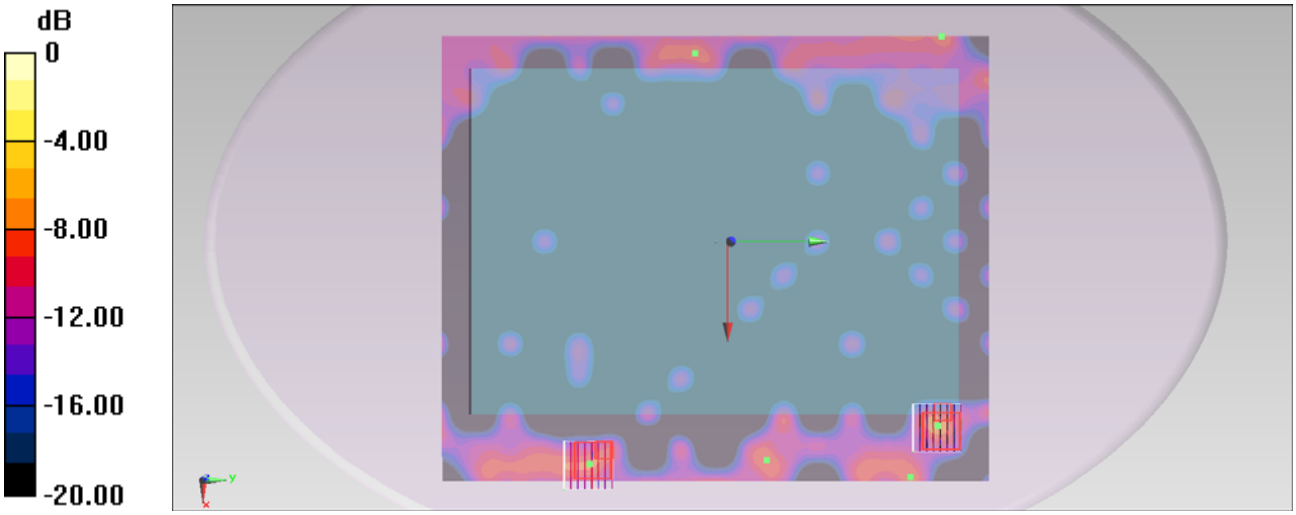
Communication System: 802.11n; Frequency: 5270 MHz;Duty Cycle: 1:1
Medium: MSL_5G_121019 Medium parameters used : f = 5270 MHz; σ = 5.403 mho/m; ε_r = 49.066; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(4.29, 4.29, 4.29); Calibrated: 2012/9/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Ch54/Area Scan (261x321x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0510 mW/g

Ch54/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.550 V/m; Power Drift = 0.071 dB
Peak SAR (extrapolated) = 0.188 mW/g
SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.018 mW/g
Maximum value of SAR (measured) = 0.188 mW/g

Ch54/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.550 V/m; Power Drift = 0.071 dB
Peak SAR (extrapolated) = 0.867 mW/g
SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00242 mW/g
Maximum value of SAR (measured) = 0.228 mW/g



0 dB = 0.228 mW/g = -12.84 dB mW/g

#26 WLAN5G_802.11n(40M)_Bottom_0cm_Ch54_Ant 0+1_2D

DUT: 241902

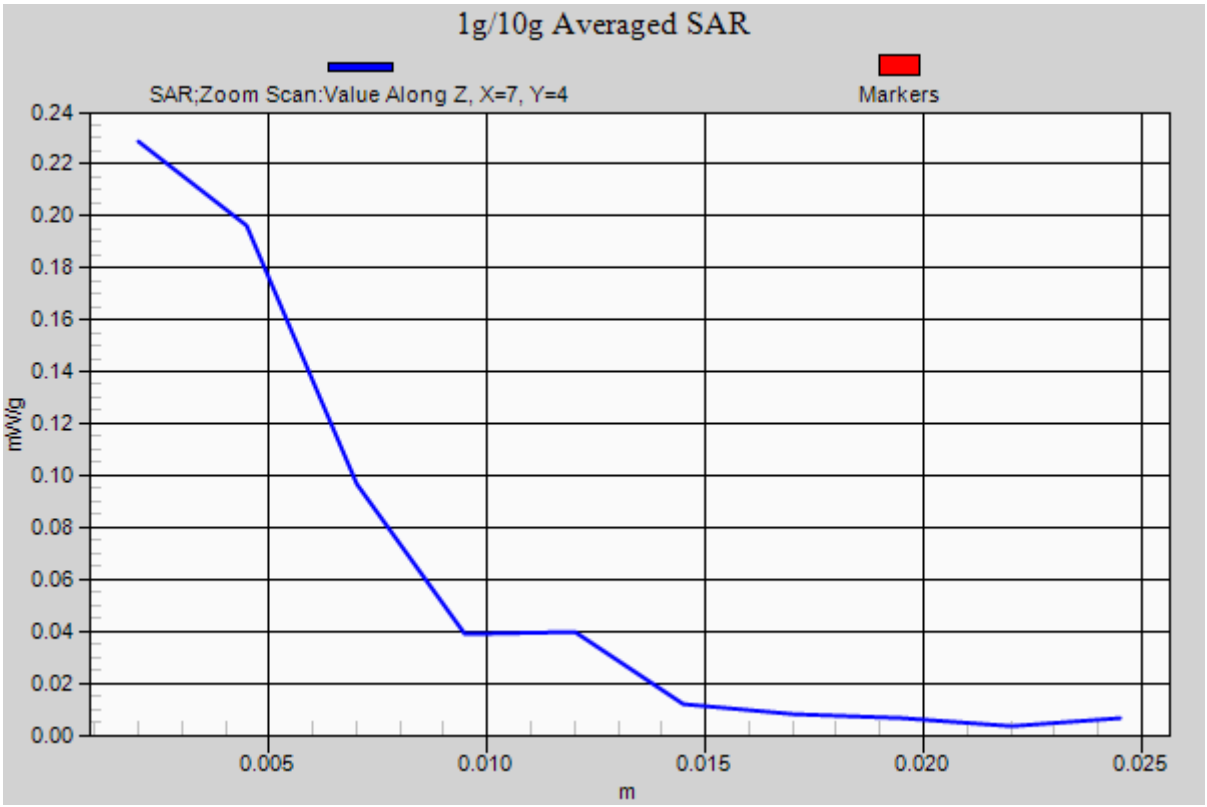
Communication System: 802.11n; Frequency: 5270 MHz;Duty Cycle: 1:1
Medium: MSL_5G_121019 Medium parameters used : f = 5270 MHz; σ = 5.403 mho/m; ε_r = 49.066; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(4.29, 4.29, 4.29); Calibrated: 2012/9/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2012/8/27
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Ch54/Area Scan (261x321x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0510 mW/g

Ch54/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.550 V/m; Power Drift = 0.071 dB
Peak SAR (extrapolated) = 0.188 mW/g
SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.018 mW/g
Maximum value of SAR (measured) = 0.188 mW/g

Ch54/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.550 V/m; Power Drift = 0.071 dB
Peak SAR (extrapolated) = 0.867 mW/g
SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00242 mW/g
Maximum value of SAR (measured) = 0.228 mW/g



#05 WLAN5G_802.11a_Bottom Face_0cm_Ch108_Ant 0

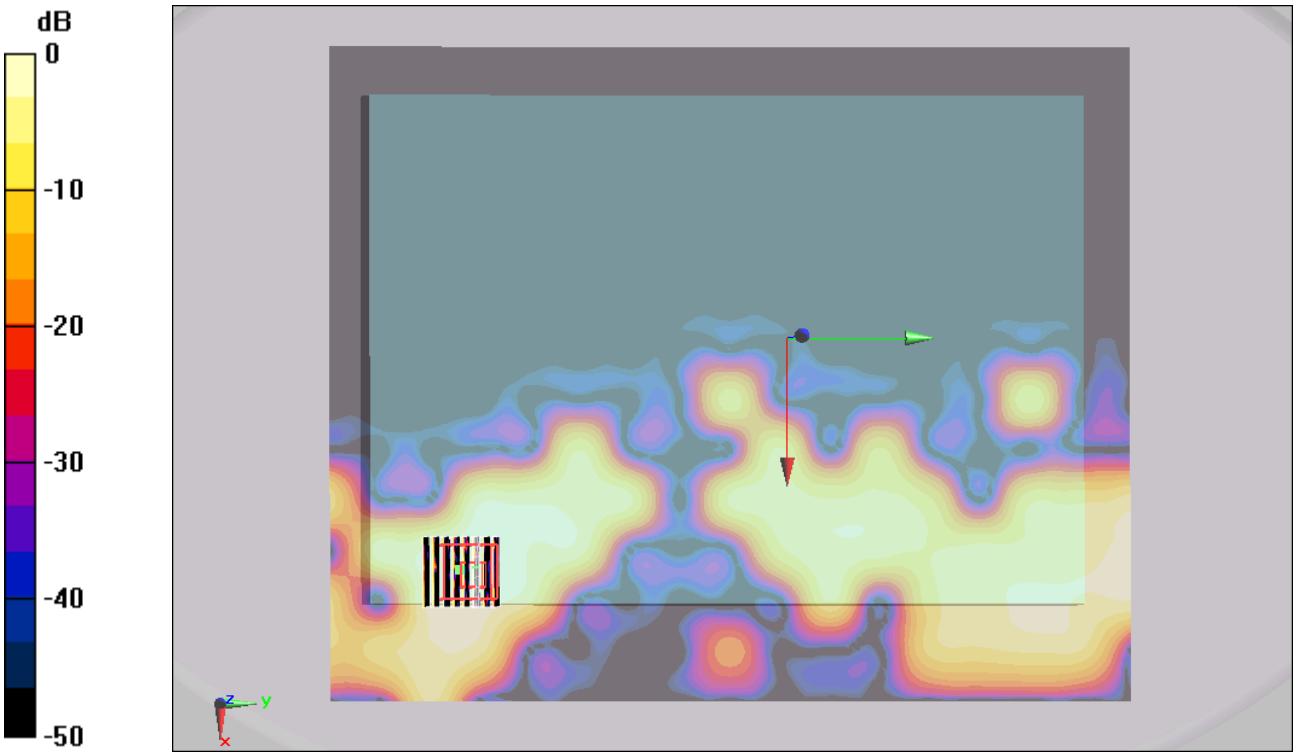
DUT: 241902

Communication System: 802.11a; Frequency: 5540 MHz;Duty Cycle: 1:1
Medium: MSL_5G_121008 Medium parameters used : f = 5540 MHz; σ = 5.58 mho/m; ε_r = 47; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.81, 3.81, 3.81); Calibrated: 2012/6/21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch108/Area Scan (261x321x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.173 mW/g

Ch108/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.298 W/kg
SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.020 mW/g
Maximum value of SAR (measured) = 0.113 mW/g



0 dB = 0.113mW/g

#05 WLAN5G_802.11a_Bottom Face_0cm_Ch108_Ant 0_2D

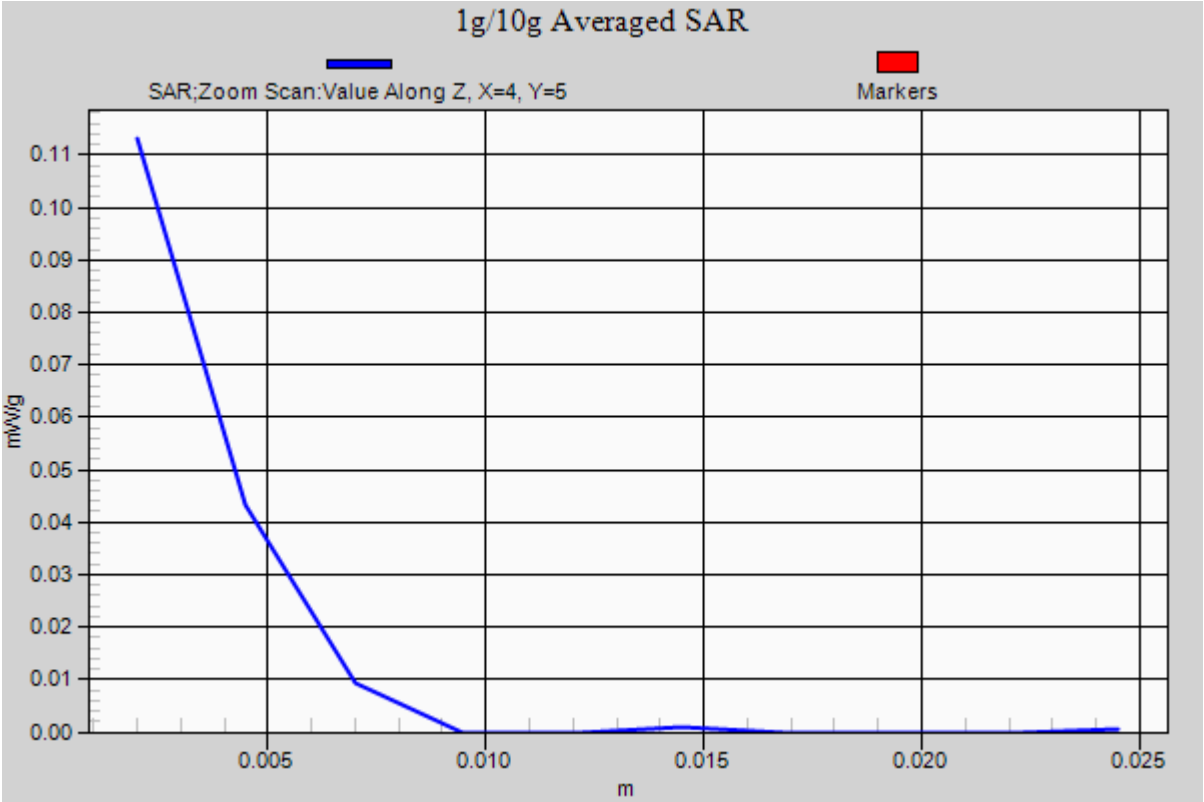
DUT: 241902

Communication System: 802.11a; Frequency: 5540 MHz;Duty Cycle: 1:1
Medium: MSL_5G_121008 Medium parameters used : f = 5540 MHz; σ = 5.58 mho/m; ε_r = 47; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃； Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.81, 3.81, 3.81); Calibrated: 2012/6/21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch108/Area Scan (261x321x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.173 mW/g

Ch108/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.298 W/kg
SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.020 mW/g
Maximum value of SAR (measured) = 0.113 mW/g



#13 WLAN5G_802.11n(20M)_Bottom_0cm_Ch116_Ant 0+1

DUT: 241902

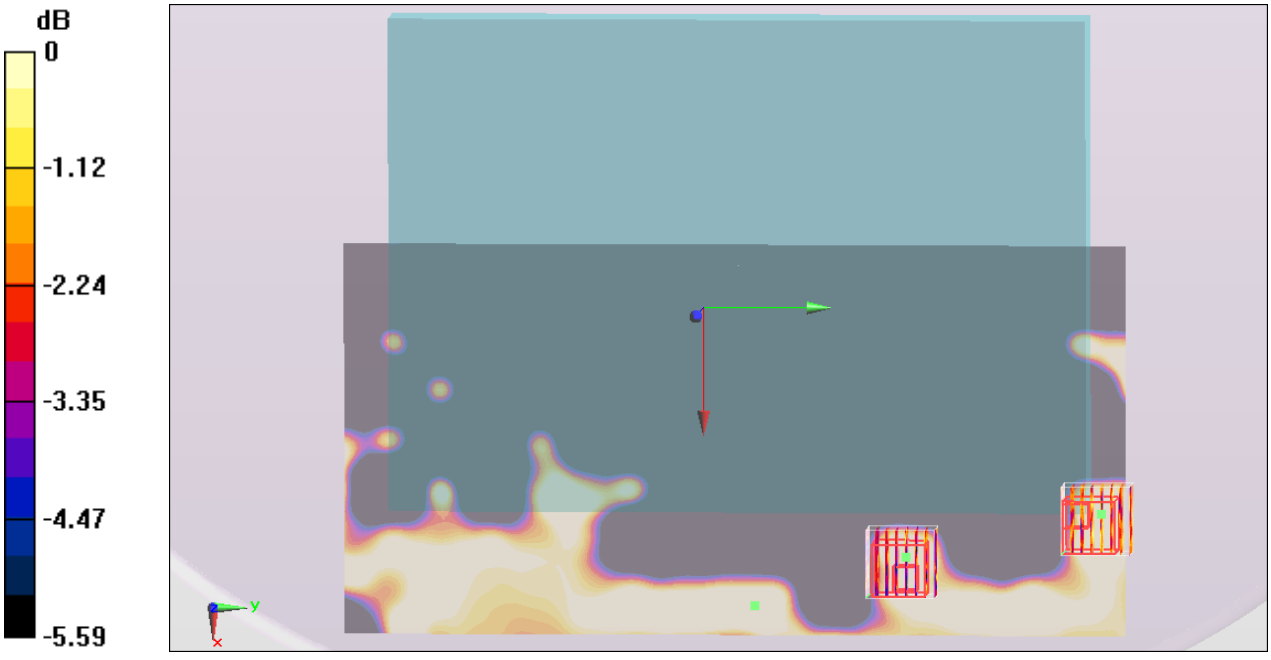
Communication System: 802.11n; Frequency: 5580 MHz;Duty Cycle: 1:1
Medium: MSL_5G_120516 Medium parameters used: f = 5580 MHz; σ = 5.688 mho/m; ε_r = 47.693; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(3.9, 3.9, 3.9); Calibrated: 2011/11/16;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP1127
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

Ch116/Area Scan (161x321x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.105 mW/g

Ch116/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.040 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.170 mW/g
SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.00558 mW/g
Maximum value of SAR (measured) = 0.0343 mW/g

Ch116/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.040 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.167 mW/g
SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00711 mW/g
Maximum value of SAR (measured) = 0.0320 mW/g



0 dB = 0.0320 mW/g = -29.90 dB mW/g

#22 WLAN5G_802.11a_Bottom _0cm_Ch161_Ant 0

DUT: 241902

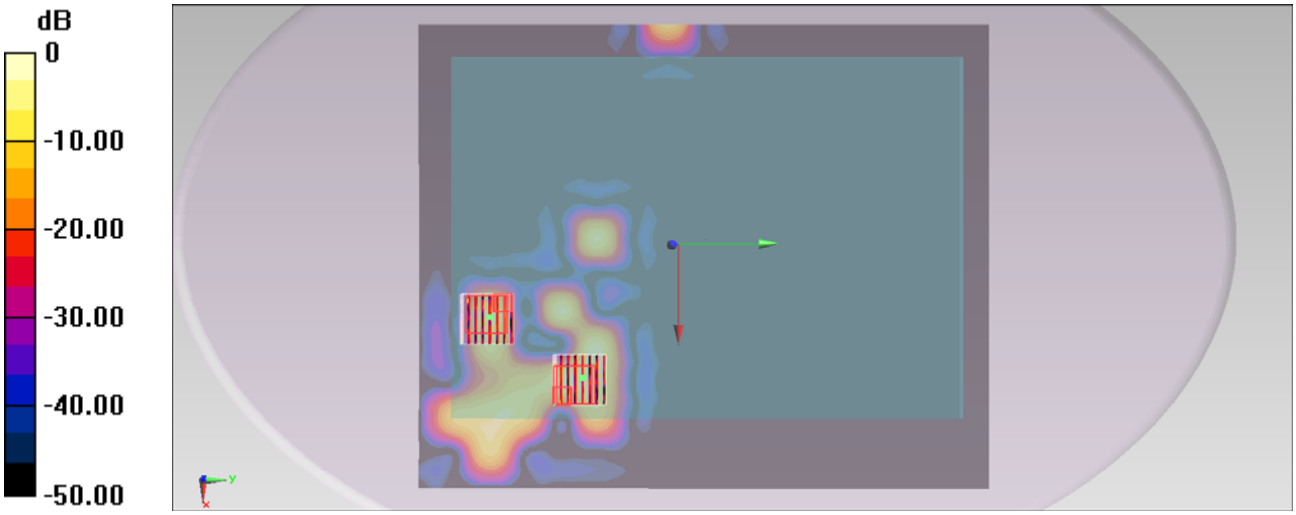
Communication System: 802.11a; Frequency: 5805 MHz;Duty Cycle: 1:1
Medium: MSL_5G_121017 Medium parameters used : f = 5805 MHz; σ = 6.121 mho/m; ε_r = 47.135; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(4.06, 4.06, 4.06); Calibrated: 2012/9/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2012/5/3
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Ch161/Area Scan (261x321x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.462 mW/g

Ch161/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.001 dB
Peak SAR (extrapolated) = 0.740 mW/g
SAR(1 g) = 0.0346 mW/g; SAR(10 g) = 0.00534 mW/g
Maximum value of SAR (measured) = 0.740 mW/g

Ch161/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0 V/m; Power Drift = 0.001 dB
Peak SAR (extrapolated) = 1.038 mW/g
SAR(1 g) = 0.0199 mW/g; SAR(10 g) = 0.00266 mW/g
Maximum value of SAR (measured) = 1.04 mW/g



0 dB = 1.04 mW/g = 0.34 dB mW/g

#15 WLAN5G_802.11n(20M)_Bottom_0cm_Ch165_Ant 0+1

DUT: 241902

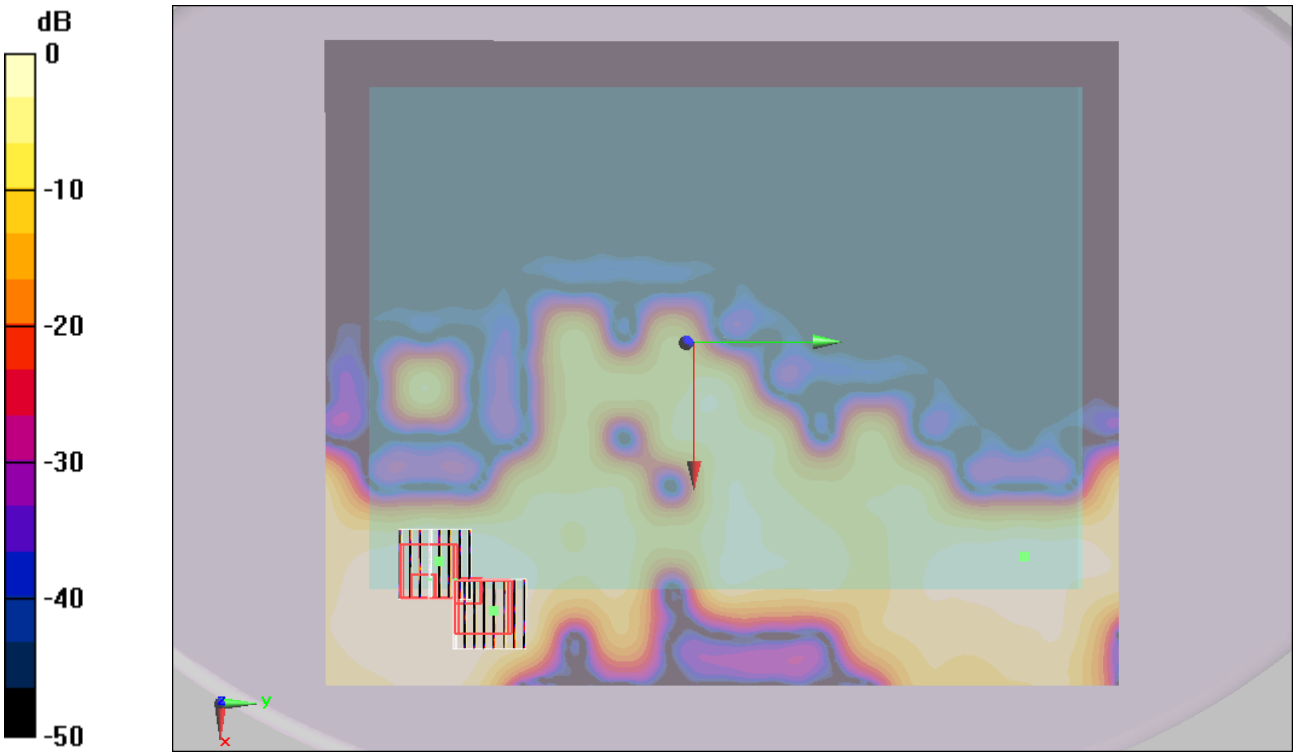
Communication System: 802.11n; Frequency: 5825 MHz;Duty Cycle: 1:1
Medium: MSL_5G_121008 Medium parameters used : f = 5825 MHz; σ = 6.05 mho/m; ε_r = 46.5; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃； Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch165/Area Scan (261x321x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.240 mW/g

Ch165/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.292 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.266 W/kg
SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.036 mW/g
Maximum value of SAR (measured) = 0.230 mW/g

Ch165/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.292 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.322 W/kg
SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.023 mW/g
Maximum value of SAR (measured) = 0.185 mW/g



0 dB = 0.185mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2012/10/8

#15 WLAN5G_802.11n(20M)_Bottom_0cm_Ch165_Ant 0+1_2D

DUT: 241902

Communication System: 802.11n; Frequency: 5825 MHz;Duty Cycle: 1:1
Medium: MSL_5G_121008 Medium parameters used : f = 5825 MHz; σ = 6.05 mho/m; ε_r = 46.5; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.89, 3.89, 3.89); Calibrated: 2012/6/21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2012/4/23
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- Software: DASY5 Version; SEMCAD X Version 13.4 Build 45

Ch165/Area Scan (261x321x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.240 mW/g

Ch165/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.292 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.266 W/kg
SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.036 mW/g
Maximum value of SAR (measured) = 0.230 mW/g

Ch165/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.292 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.322 W/kg
SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.023 mW/g
Maximum value of SAR (measured) = 0.185 mW/g