TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.09.29

System Check_Head_1900MHz_130929

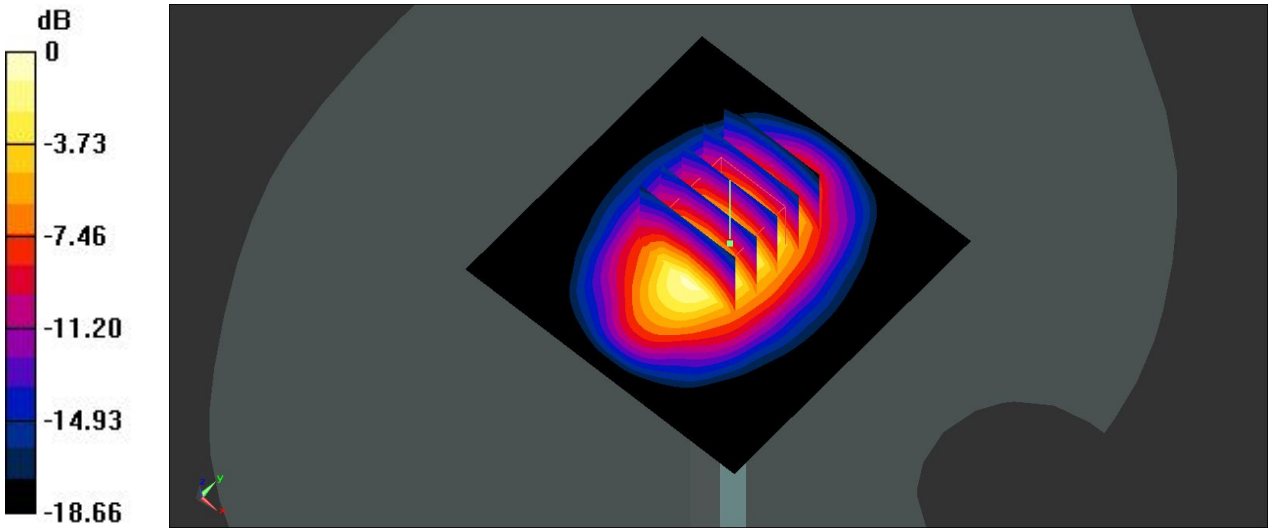
DUT: D1900V2-SN:5d170

Communication System: CW;Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_130929 Medium parameters used: f = 1900 MHz; σ = 1.417 S/m; ε_r = 39.706; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(8.25, 8.25, 8.25); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 13.7 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 98.926 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 17.2 W/kg
SAR(1 g) = 9.41 W/kg; SAR(10 g) = 4.9 W/kg
Maximum value of SAR (measured) = 13.3 W/kg



0 dB = 13.3 W/kg

TestLaboratory: Sporton International Inc. SAR/HAC TestingLab Date: 2013.09.29

System Check_Body_1900MHz_130929

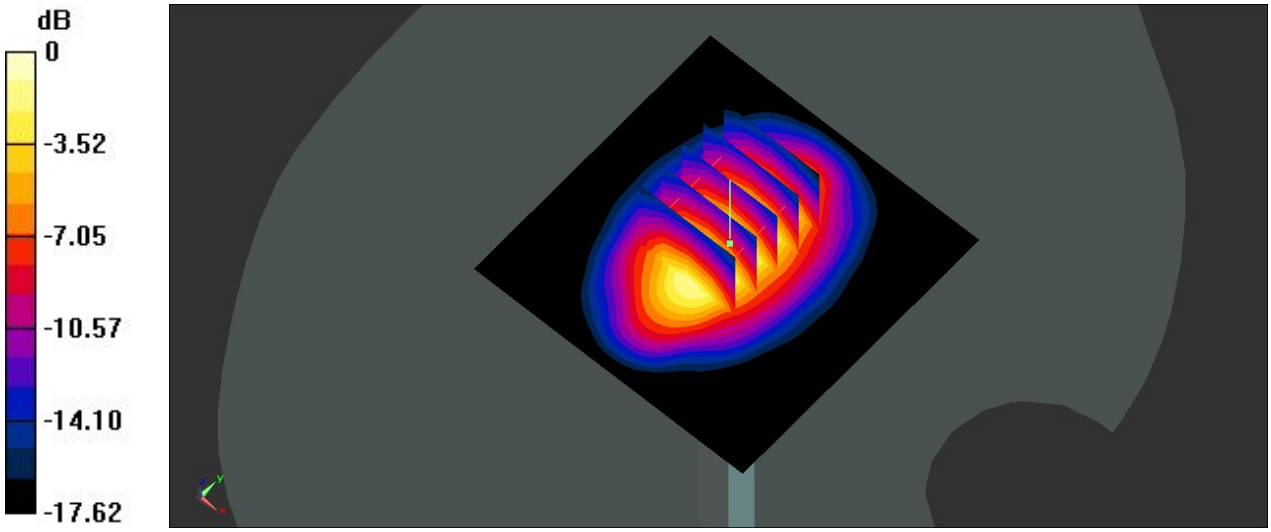
DUT: D1900V2-SN:5d170

Communication System: CW;Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130929 Medium parameters used: f = 1900 MHz; σ = 1.535 S/m; ε_r = 54.579; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 2013.04.11;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2013.04.08
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 14.5 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 97.389 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 17.8 W/kg
SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.46 W/kg
Maximum value of SAR (measured) = 14.2 W/kg



0 dB = 14.2 W/kg

System Check_Head_2450MHz_131010

DUT: D2450V2-SN:736

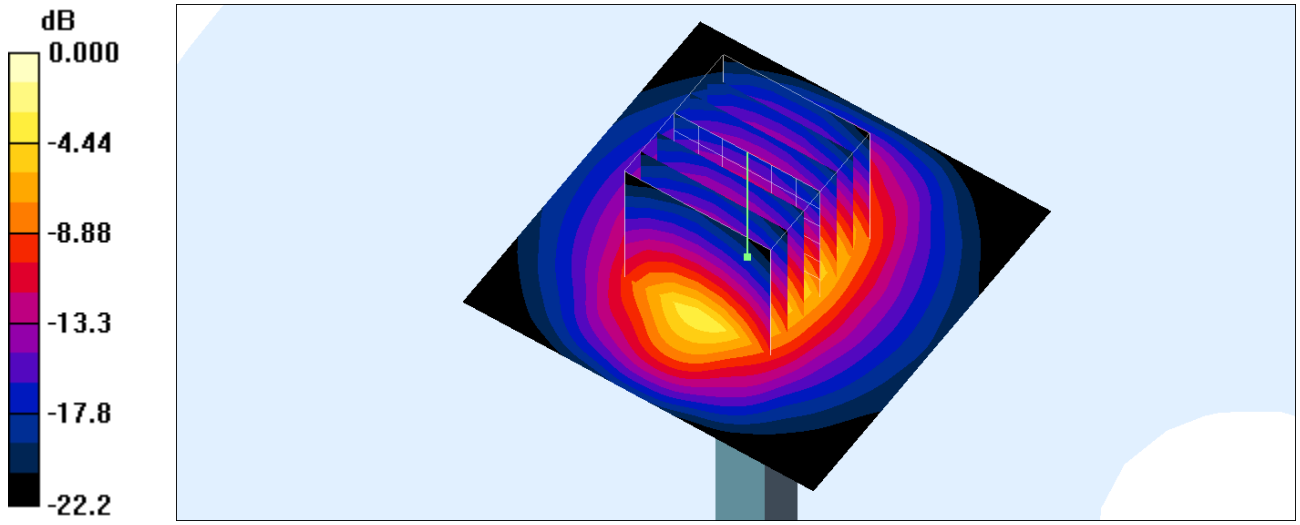
Communication System: CW ; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: HSL_2450_131010 Medium parameters used: f = 2450 MHz; σ = 1.85 mho/m; ε_r = 39.3; ρ = 1000 kg/m^3

Ambient Temperature：23.4 ℃； Liquid Temperature：22.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(6.74, 6.74, 6.74); Calibrated: 2012/12/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 20.2 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 106.2 V/m; Power Drift = -0.084 dB
Peak SAR (extrapolated) = 26.9 W/kg
SAR(1 g) = 13.1 mW/g; SAR(10 g) = 5.99 mW/g
Maximum value of SAR (measured) = 20.0 mW/g



0 dB = 20.0mW/g

System Check_Body_2450MHz_131012

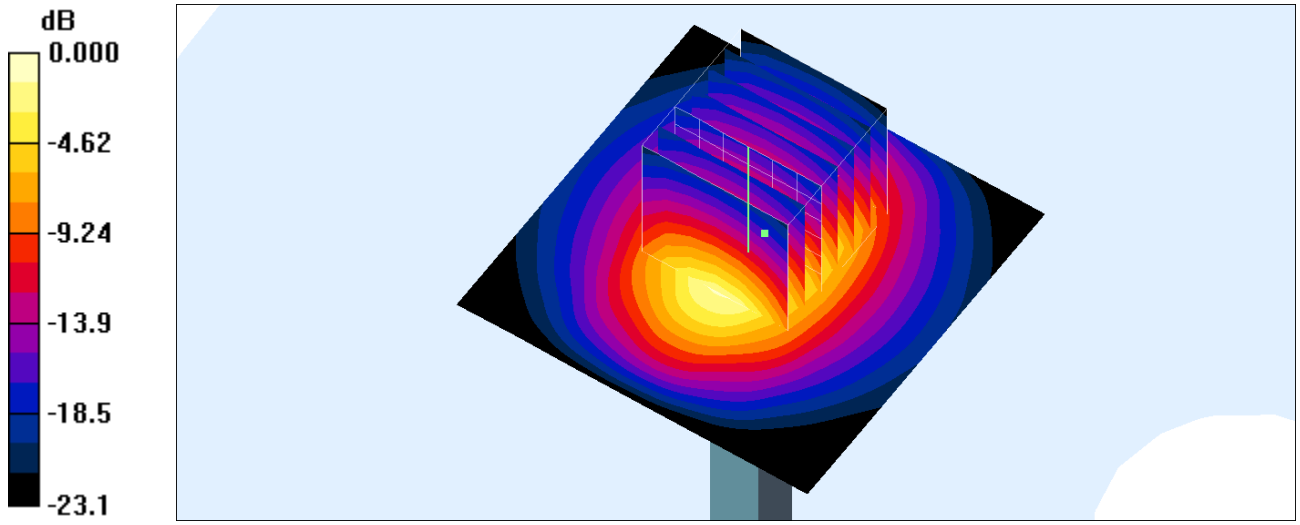
DUT: D2450V2-SN:736

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: MSL_2450_131012 Medium parameters used: f = 2450 MHz; σ = 2.02 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃； Liquid Temperature：22.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(6.84, 6.84, 6.84); Calibrated: 2012/12/10
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 22.4 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 101.1 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 29.3 W/kg
SAR(1 g) = 13.5 mW/g; SAR(10 g) = 6.2 mW/g
Maximum value of SAR (measured) = 20.6 mW/g



0 dB = 20.6mW/g

System Check_Head_5200MHz_131011

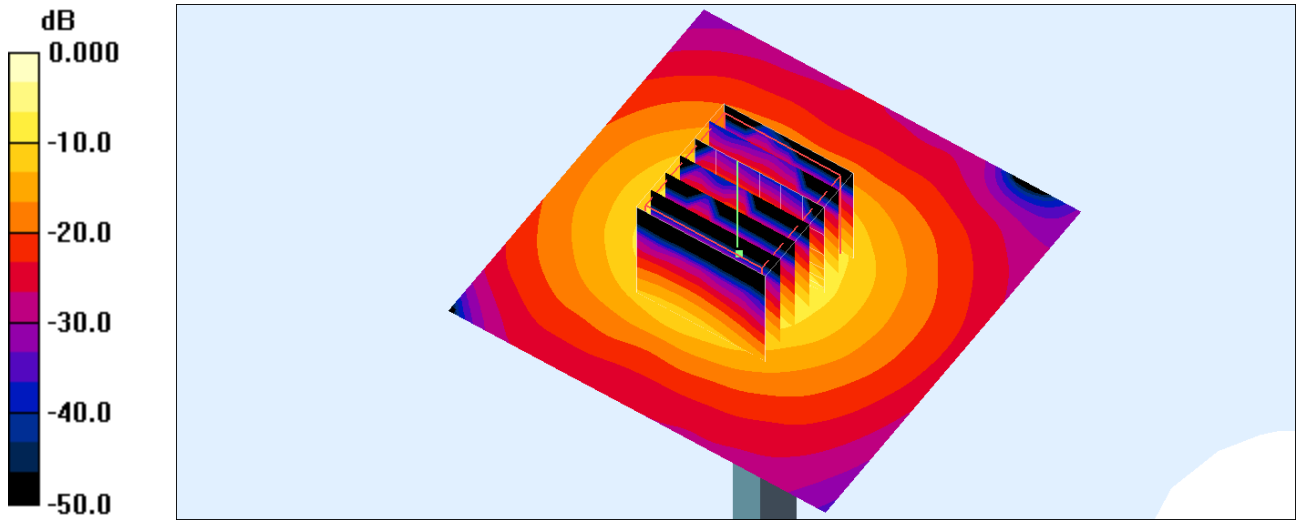
DUT: D5GHzV2-SN:1128

Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium: HSL_5G_131011 Medium parameters used: f = 5200 MHz; σ = 4.8 mho/m; ε_r = 35.5; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃； Liquid Temperature：22.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(5.01, 5.01, 5.01); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=100mW/Area Scan (71x71x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 18.4 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 65.2 V/m; Power Drift = -0.134 dB
Peak SAR (extrapolated) = 29.8 W/kg
SAR(1 g) = 7.79 mW/g; SAR(10 g) = 2.15 mW/g
Maximum value of SAR (measured) = 19.0 mW/g



0 dB = 19.0mW/g

System Check_Body_5200MHz_131012

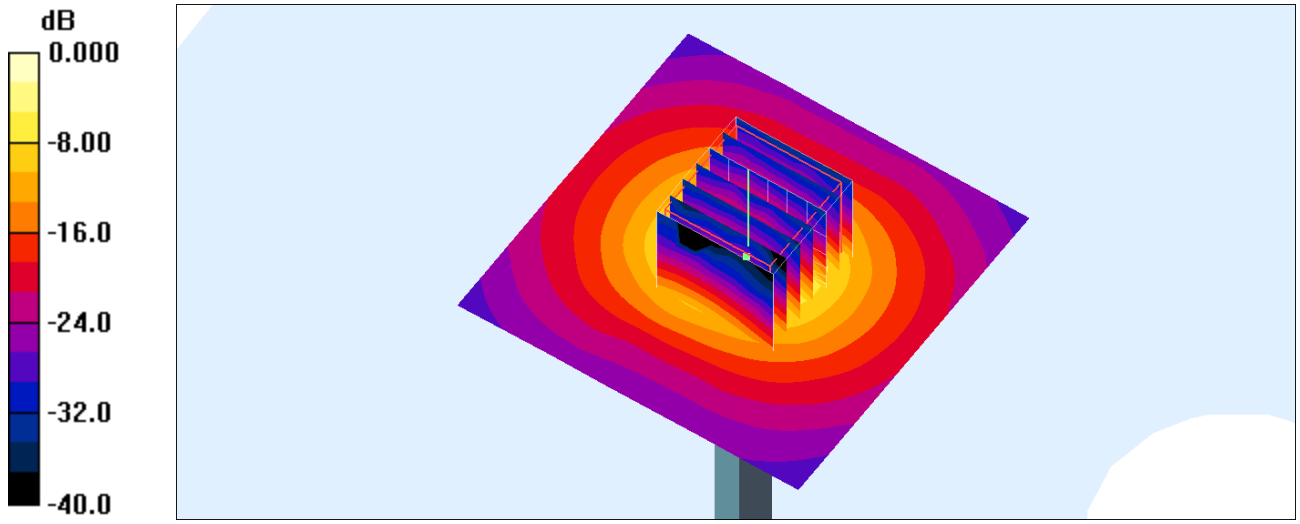
DUT: D5GHzV2-SN:1128

Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium: MSL_5G_131012 Medium parameters used: f = 5200 MHz; σ = 5.29 mho/m; ε_r = 47.6; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(4.23, 4.23, 4.23); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=100mW/Area Scan (71x71x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 19.3 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 47.4 V/m; Power Drift = 0.003 dB
Peak SAR (extrapolated) = 33.5 W/kg
SAR(1 g) = 7.44 mW/g; SAR(10 g) = 2.04 mW/g
Maximum value of SAR (measured) = 18.2 mW/g



0 dB = 18.2mW/g

System Check_Head_5300MHz_131011

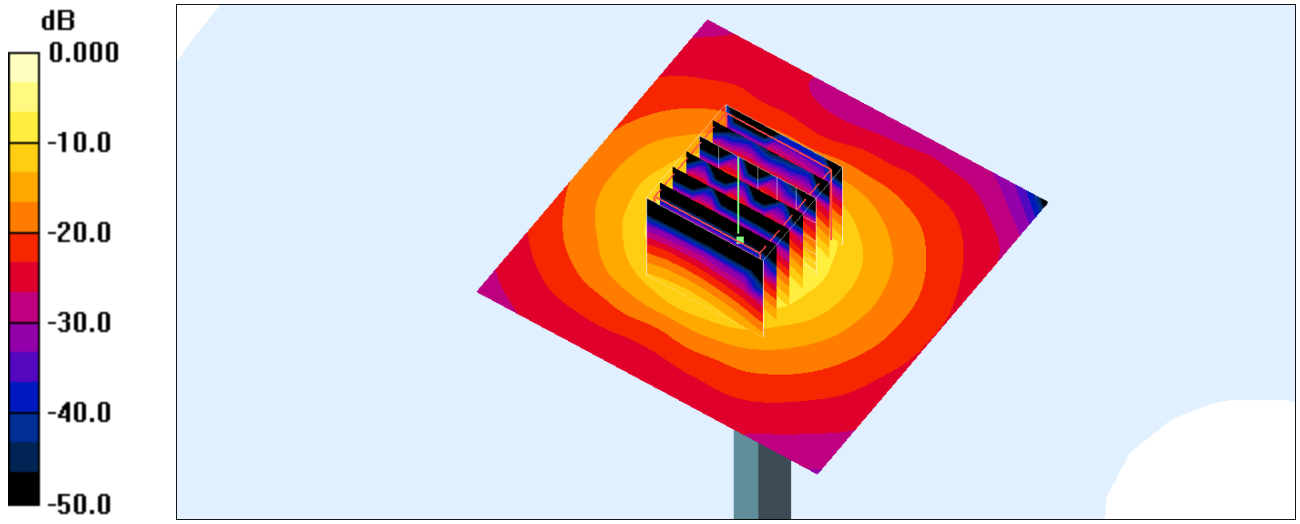
DUT: D5GHzV2-SN:1128

Communication System: CW; Frequency: 5300 MHz;Duty Cycle: 1:1
Medium: HSL_5G_131011 Medium parameters used: f = 5300 MHz; σ = 4.91 mho/m; ε_r = 35.3; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃； Liquid Temperature：22.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(4.76, 4.76, 4.76); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=100mW/Area Scan (71x71x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 19.4 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 64.2 V/m; Power Drift = 0.062 dB
Peak SAR (extrapolated) = 31.5 W/kg
SAR(1 g) = 8.06 mW/g; SAR(10 g) = 2.22 mW/g
Maximum value of SAR (measured) = 19.9 mW/g



0 dB = 19.9mW/g

System Check_Body_5300MHz_131012

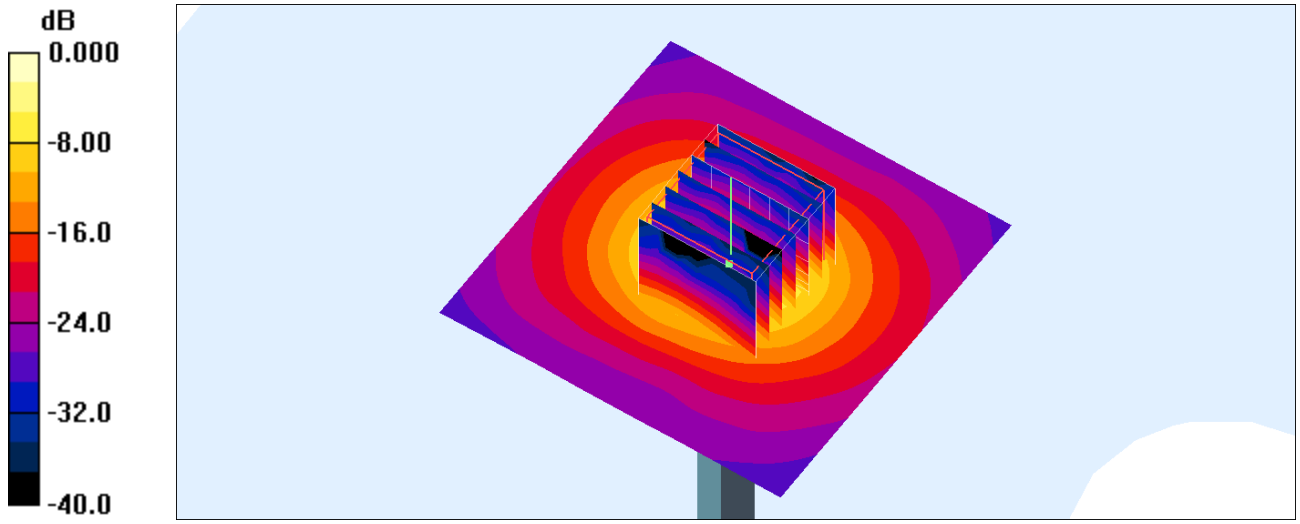
DUT: D5GHzV2-SN:1128

Communication System: CW; Frequency: 5300 MHz;Duty Cycle: 1:1
Medium: MSL_5G_131012 Medium parameters used: f = 5300 MHz; σ = 5.43 mho/m; ε_r = 47.4; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=100mW/Area Scan (71x71x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 19.8 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 47.7 V/m; Power Drift = 0.050 dB
Peak SAR (extrapolated) = 34.6 W/kg
SAR(1 g) = 7.65 mW/g; SAR(10 g) = 2.08 mW/g
Maximum value of SAR (measured) = 19.2 mW/g



0 dB = 19.2mW/g

System Check_Head_5600MHz_131011

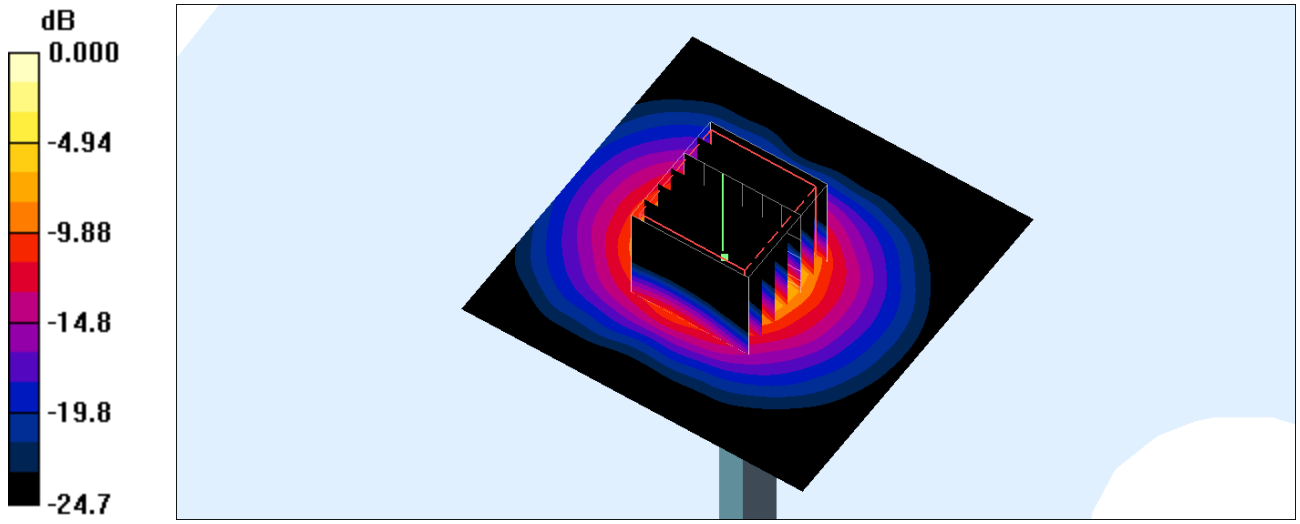
DUT: D5GHzV2-SN:1128

Communication System: CW; Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: HSL_5G_131011 Medium parameters used: f = 5600 MHz; σ = 5.22 mho/m; ε_r = 34.7; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃； Liquid Temperature：22.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(4.31, 4.31, 4.31); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=100mW/Area Scan (71x71x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 21.2 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 66.9 V/m; Power Drift = 0.094 dB
Peak SAR (extrapolated) = 35.4 W/kg
SAR(1 g) = 8.69 mW/g; SAR(10 g) = 2.38 mW/g
Maximum value of SAR (measured) = 21.9 mW/g



0 dB = 21.9mW/g

System Check_Body_5600MHz_131012

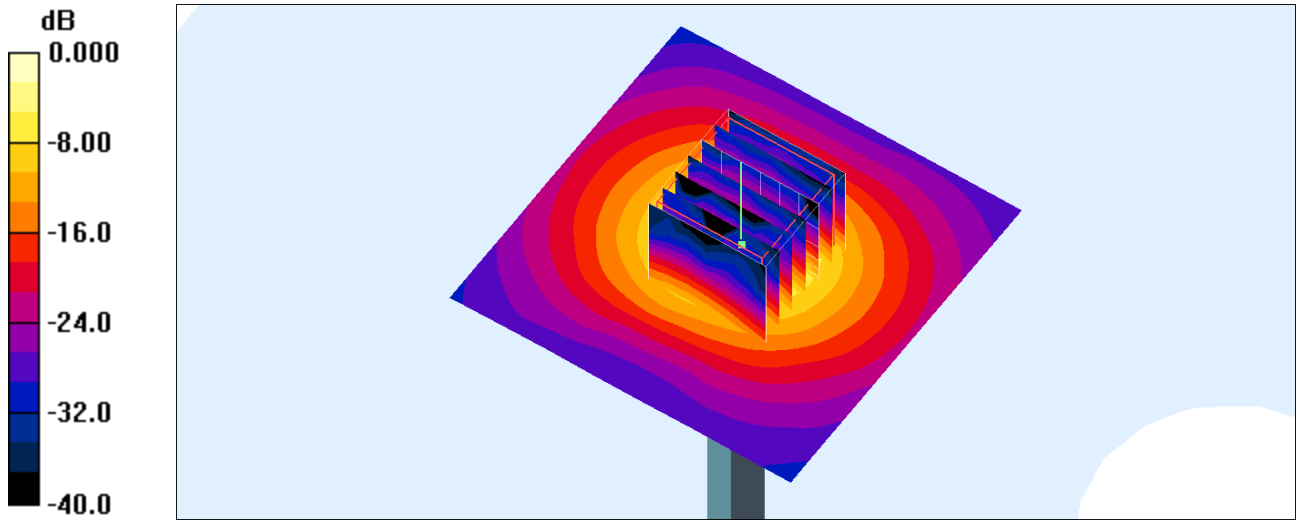
DUT: D5GHzV2-SN:1128

Communication System: CW; Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: MSL_5G_131012 Medium parameters used: f = 5600 MHz; σ = 5.83 mho/m; ε_r = 46.8; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3820; ConvF(3.39, 3.39, 3.39); Calibrated: 2012/12/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn913; Calibrated: 2013/1/17
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=100mW/Area Scan (71x71x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 20.8 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 47.3 V/m; Power Drift = 0.049 dB
Peak SAR (extrapolated) = 36.0 W/kg
SAR(1 g) = 7.97 mW/g; SAR(10 g) = 2.18 mW/g
Maximum value of SAR (measured) = 19.8 mW/g



0 dB = 19.8mW/g