Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/5/16

System Check_Head_835MHz

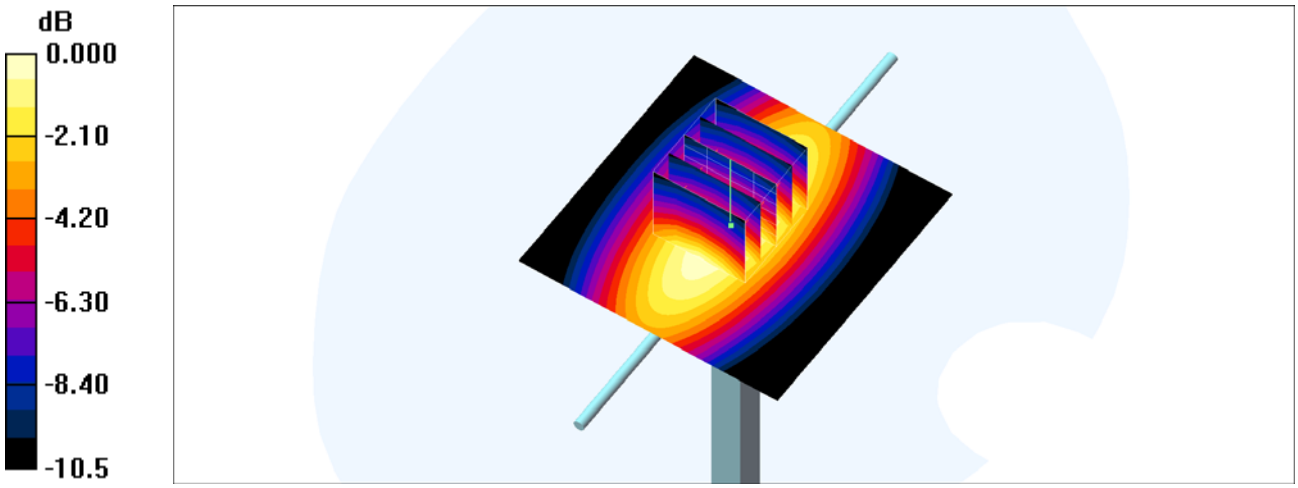
DUT: D835V2-499

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL_850_170516 Medium parameters used: f = 835 MHz; σ = 0.871 mho/m; ε_r = 41; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.03, 6.03, 6.03); Calibrated: 2016/8/26
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2016/12/15
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1815
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.83 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 58.5 V/m; Power Drift = 0.114 dB
Peak SAR (extrapolated) = 3.58 W/kg
SAR(1 g) = 2.41 mW/g; SAR(10 g) = 1.59 mW/g
Maximum value of SAR (measured) = 2.81 mW/g



0 dB = 2.81mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/5/15

System Check_Body_835MHz

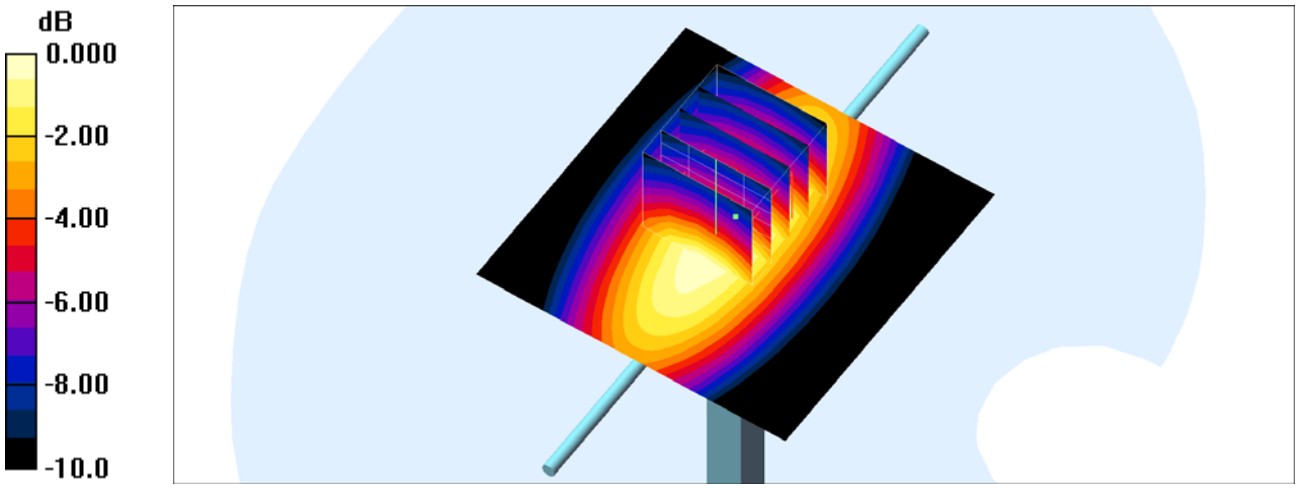
DUT: D835V2-499

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: MSL_850_170515 Medium parameters used: f = 835 MHz; σ = 0.966 mho/m; ε_r = 54.9; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃； Liquid Temperature：22.3 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(6.01, 6.01, 6.01); Calibrated: 2016/8/26
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2016/12/15
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1815
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.83 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 55.5 V/m; Power Drift = 0.037 dB
Peak SAR (extrapolated) = 3.51 W/kg
SAR(1 g) = 2.45 mW/g; SAR(10 g) = 1.65 mW/g
Maximum value of SAR (measured) = 2.83 mW/g



0 dB = 2.83mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/5/16

System Check_Head_1900MHz

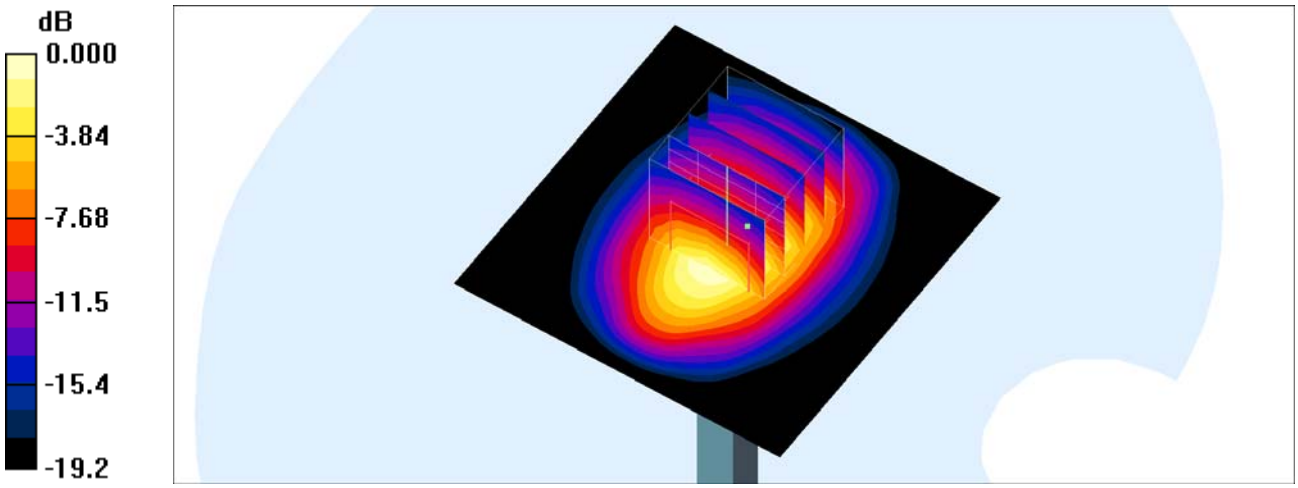
DUT: D1900V2-5d041

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_170516 Medium parameters used: f = 1900 MHz; σ = 1.44 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃； Liquid Temperature：22.8 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(5.08, 5.08, 5.08); Calibrated: 2016/8/26
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2016/12/15
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1815
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 13.6 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 98.5 V/m; Power Drift = -0.005 dB
Peak SAR (extrapolated) = 18.5 W/kg
SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.35 mW/g
Maximum value of SAR (measured) = 13.0 mW/g



0 dB = 13.0mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/5/14

System Check_Body_1900MHz

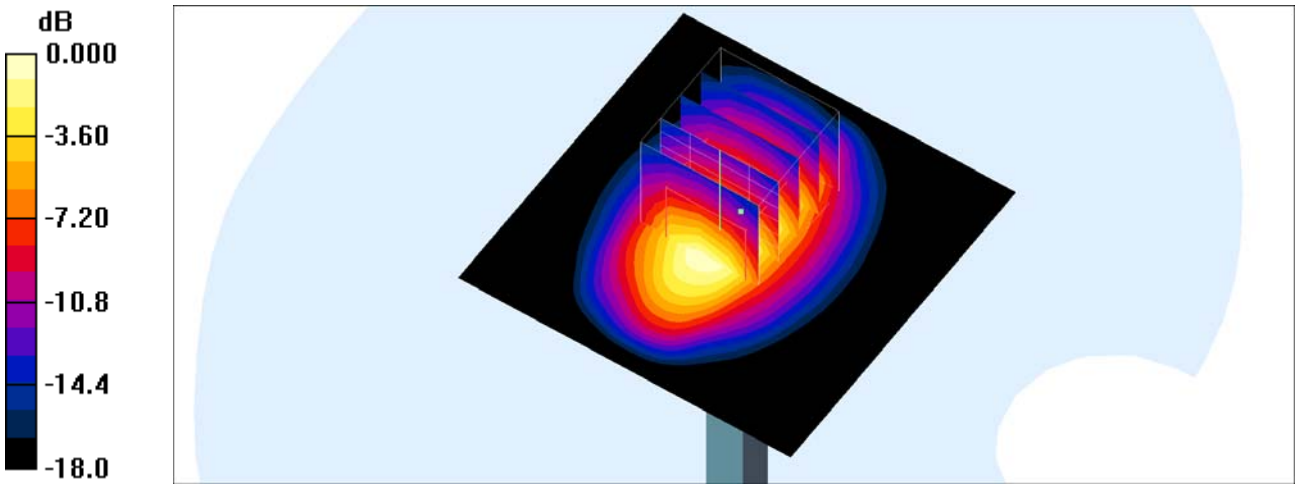
DUT: D1900V2-5d041

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900_170514 Medium parameters used: f = 1900 MHz; σ = 1.56 mho/m; ε_r = 55; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(4.7, 4.7, 4.7); Calibrated: 2016/8/26
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2016/12/15
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1815
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 13.5 mW/g

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 92.9 V/m; Power Drift = 0.007 dB
Peak SAR (extrapolated) = 17.9 W/kg
SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.44 mW/g
Maximum value of SAR (measured) = 12.7 mW/g



0 dB = 12.7mW/g

System Check_Head_2450MHz

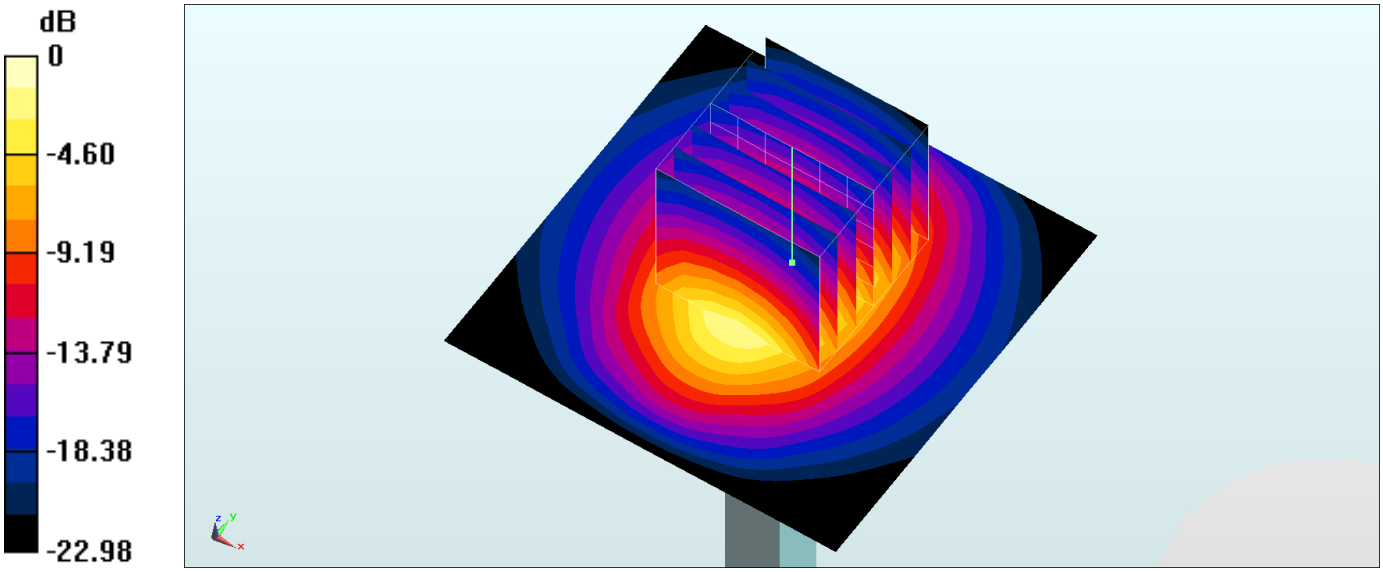
DUT: D2450V2-926

Communication System: CW ; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: HSL_2450_170528 Medium parameters used: f = 2450 MHz; σ = 1.787 S/m; ε_r = 40.338; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3976; ConvF(7.83, 7.83, 7.83); Calibrated: 2017/2/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2017/2/16
- Phantom: SAM_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 23.2 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 109.6 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 30.1 W/kg
SAR(1 g) = 14 W/kg; SAR(10 g) = 6.47 W/kg
Maximum value of SAR (measured) = 21.4 W/kg



0 dB = 21.4 W/kg = 13.30 dBW/kg

System Check_Body_2450MHz

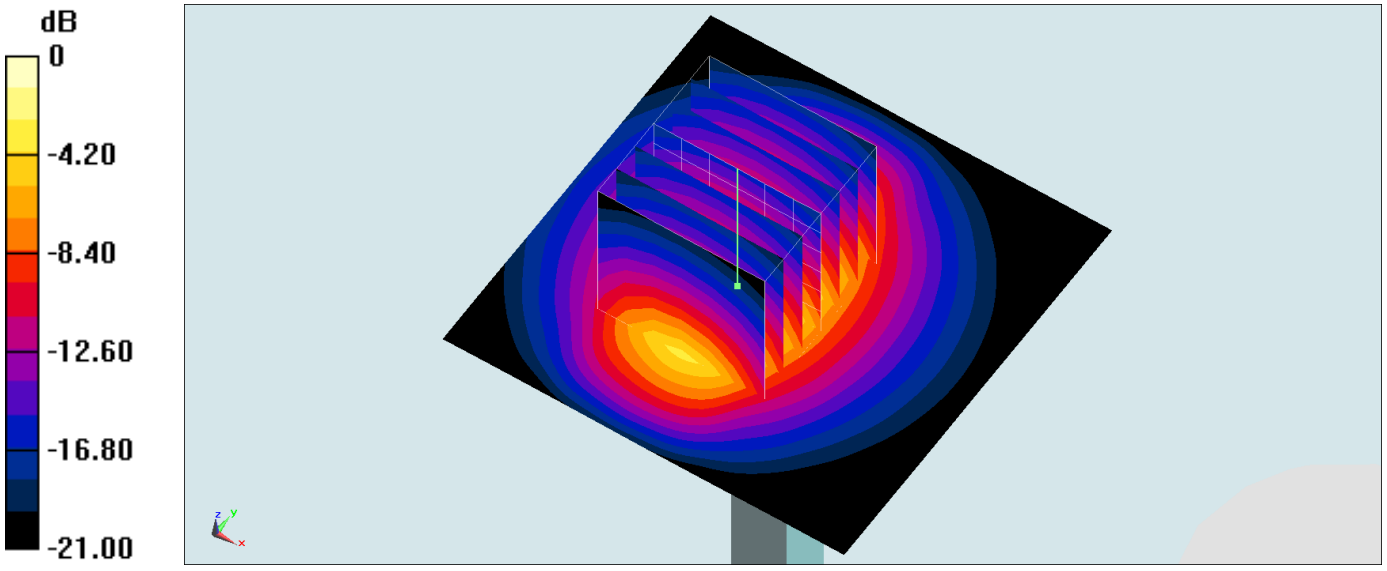
DUT: D2450V2-926

Communication System: CW ; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: MSL_2450_170601 Medium parameters used: f = 2450 MHz; σ = 1.951 S/m; ε_r = 53.978; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(4.28, 4.28, 4.28); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2016/12/15
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 16.8 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 82.98 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 23.9 W/kg
SAR(1 g) = 12 W/kg; SAR(10 g) = 5.63 W/kg
Maximum value of SAR (measured) = 15.6 W/kg



0 dB = 15.6 W/kg = 11.93 dBW/kg

System Check_Head_2600MHz

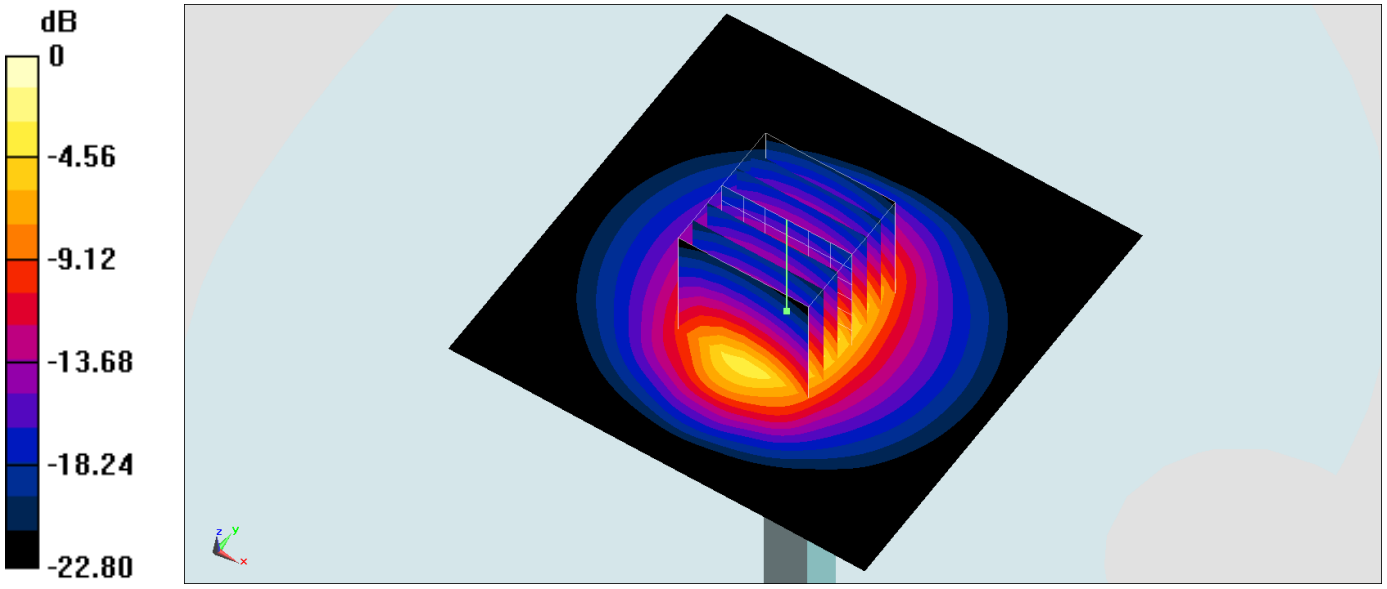
DUT: D2600V2-1008

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: HSL_2600_170512 Medium parameters used: f = 2600 MHz; σ = 1.938 S/m; ε_r = 38.999; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(4.37, 4.37, 4.37); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2016/12/15
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1815
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 20.6 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 103.4 V/m; Power Drift = -0.021 dB
Peak SAR (extrapolated) = 32.2 W/kg
SAR(1 g) = 14.9 W/kg; SAR(10 g) = 6.72 W/kg
Maximum value of SAR (measured) = 20.0 W/kg



0 dB = 20.0 mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/5/13

System Check_Body_2600MHz

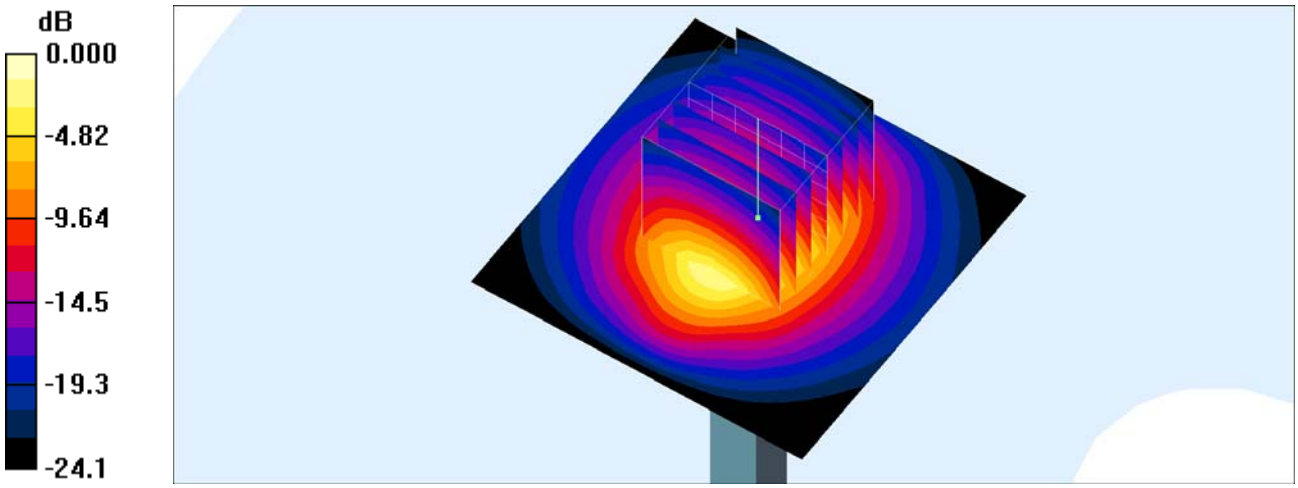
DUT: D2600V2-1008

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: MSL_2600_170513 Medium parameters used: f = 2600 MHz; σ = 2.13 mho/m; ε_r = 53.4; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：22.4 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3270; ConvF(4.12, 4.12, 4.12); Calibrated: 2016/8/26
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2016/12/15
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1815
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 20.6 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 99.1 V/m; Power Drift = -0.137 dB
Peak SAR (extrapolated) = 31.2 W/kg
SAR(1 g) = 14.4 mW/g; SAR(10 g) = 6.38 mW/g
Maximum value of SAR (measured) = 19.2 mW/g



0 dB = 19.2mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/5/31

System Check_Head_5250MHz

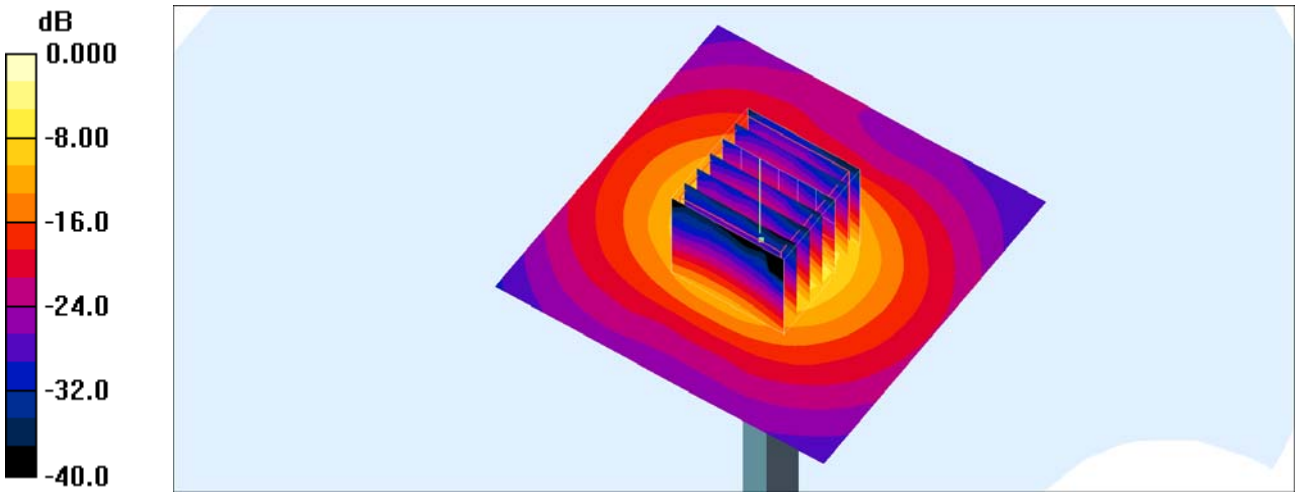
DUT: D5GHzV2-1006

Communication System: CW; Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: HSL_5G_170531 Medium parameters used: f = 5250 MHz; σ = 4.55 mho/m; ε_r = 37.6; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：22.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(5.04, 5.04, 5.04); 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:1815
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Pin=100mW/Area Scan (71x71x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 19.5 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 72.5 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 31.2 W/kg
SAR(1 g) = 8.01 mW/g; SAR(10 g) = 2.21 mW/g
Maximum value of SAR (measured) = 19.7 mW/g



0 dB = 19.7mW/g

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

System Check_Body_5250MHz

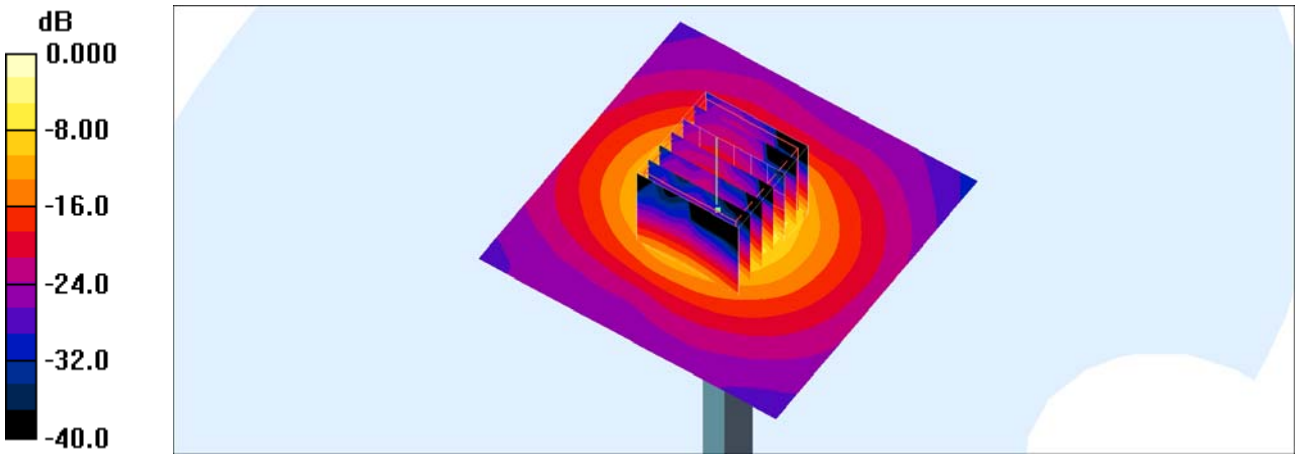
DUT: D5GHzV2-1006

Communication System: CW; Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: MSL_5G_170601 Medium parameters used: f = 5250 MHz; σ = 5.37 mho/m; ε_r = 46.9; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY4 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: TP:1815
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Pin=100mW/Area Scan (71x71x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 20.6 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 64.8 V/m; Power Drift = 0.027 dB
Peak SAR (extrapolated) = 31.3 W/kg
SAR(1 g) = 7.67 mW/g; SAR(10 g) = 2.05 mW/g
Maximum value of SAR (measured) = 19.6 mW/g



0 dB = 19.6mW/g

System Check_Head_5600MHz

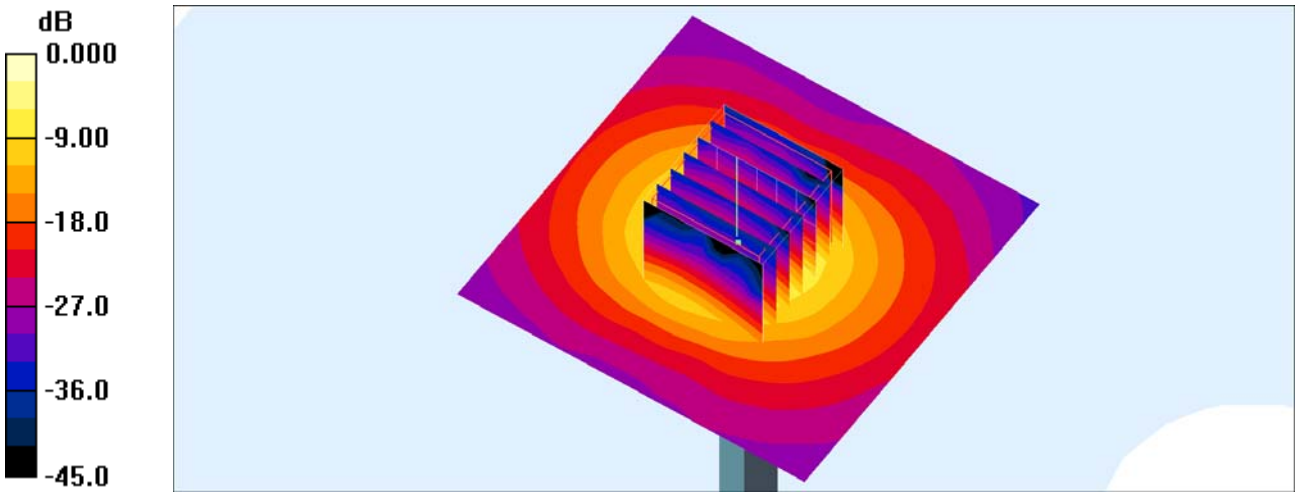
DUT: D5GHzV2-1006

Communication System: CW; Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: HSL_5G_170531 Medium parameters used: f = 5600 MHz; σ = 4.91 mho/m; ε_r = 37.1; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：22.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(4.5, 4.5, 4.5); 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:1815
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Pin=100mW/Area Scan (71x71x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 22.3 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 76.0 V/m; Power Drift = 0.102 dB
Peak SAR (extrapolated) = 36.0 W/kg
SAR(1 g) = 8.83 mW/g; SAR(10 g) = 2.42 mW/g
Maximum value of SAR (measured) = 22.2 mW/g



0 dB = 22.2mW/g

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

System Check_Body_5600MHz

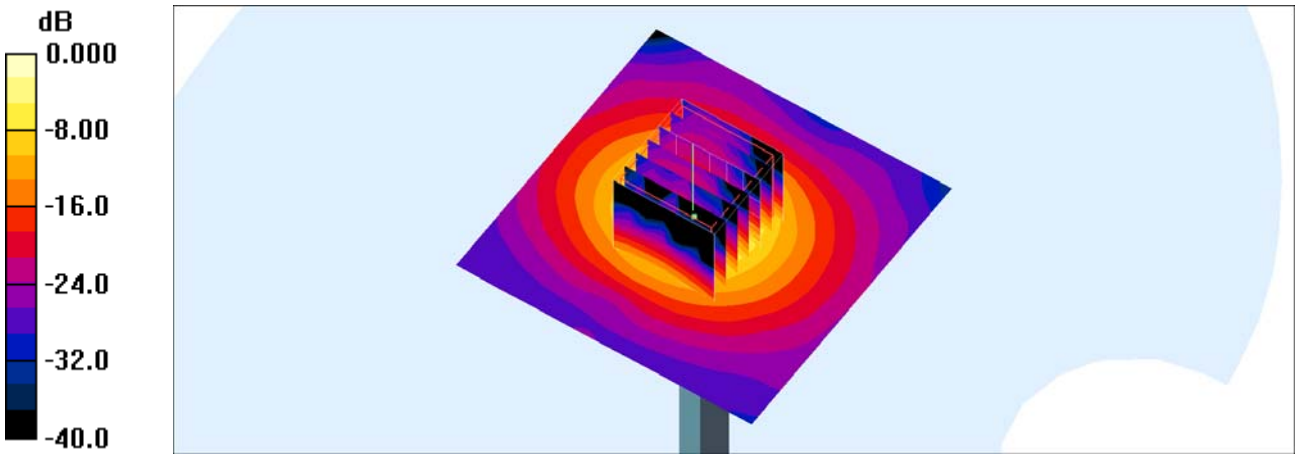
DUT: D5GHzV2-1006

Communication System: CW; Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: MSL_5G_170601 Medium parameters used: f = 5600 MHz; σ = 5.82 mho/m; ε_r = 46.2; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(3.91, 3.91, 3.91); 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:1815
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Pin=100mW/Area Scan (71x71x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 20.5 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 64.6 V/m; Power Drift = 0.128 dB
Peak SAR (extrapolated) = 32.6 W/kg
SAR(1 g) = 7.98 mW/g; SAR(10 g) = 2.14 mW/g
Maximum value of SAR (measured) = 20.2 mW/g



0 dB = 20.2mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/5/31

System Check_Head_5750MHz

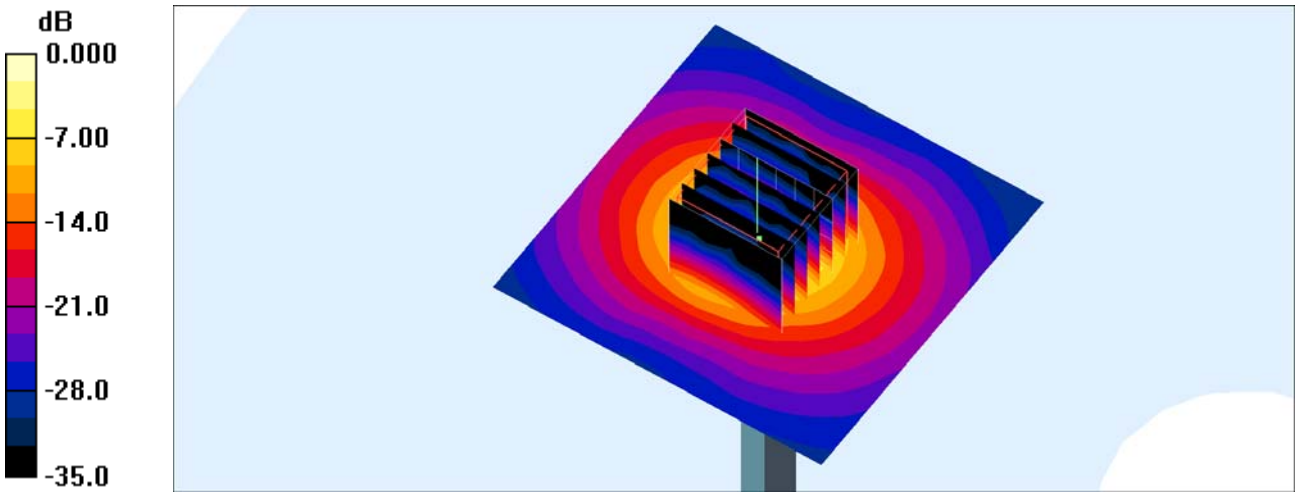
DUT: D5GHzV2-1006

Communication System: CW; Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: HSL_5G_170531 Medium parameters used: f = 5750 MHz; σ = 5.05 mho/m; ε_r = 37; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(4.63, 4.63, 4.63); 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:1815
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Pin=100mW/Area Scan (71x71x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 20.9 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 73.0 V/m; Power Drift = 0.012 dB
Peak SAR (extrapolated) = 35.6 W/kg
SAR(1 g) = 8.17 mW/g; SAR(10 g) = 2.22 mW/g
Maximum value of SAR (measured) = 21.0 mW/g



0 dB = 21.0mW/g

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

System Check_Body_5750MHz

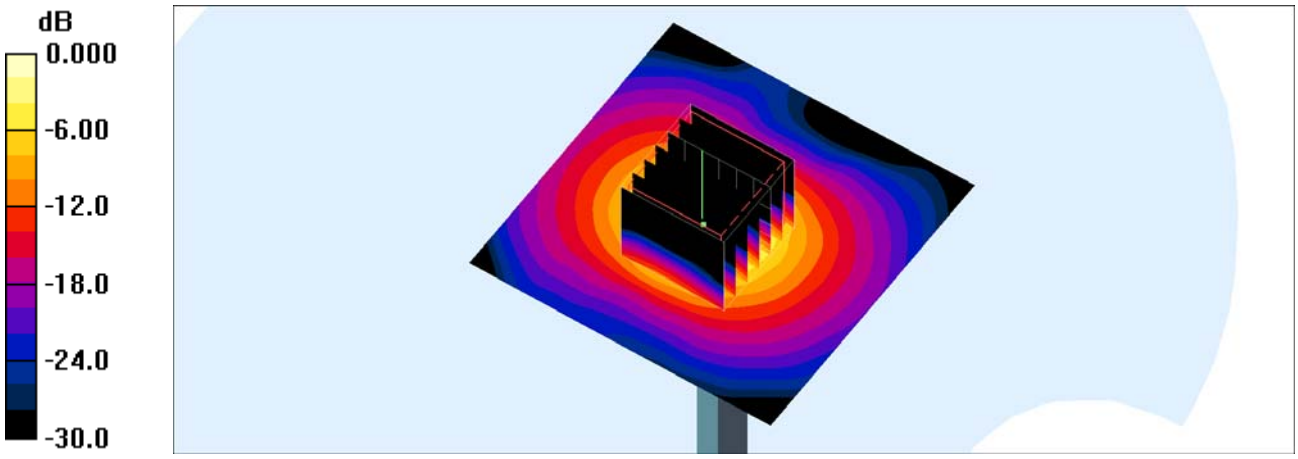
DUT: D5GHzV2-1006

Communication System: CW; Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: MSL_5G_170601 Medium parameters used: f = 5750 MHz; σ = 6.02 mho/m; ε_r = 46; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃； Liquid Temperature：22.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(4.12, 4.12, 4.12); 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:1815
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Pin=100mW/Area Scan (71x71x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 26.1 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 62.7 V/m; Power Drift = -0.122 dB
Peak SAR (extrapolated) = 31.9 W/kg
SAR(1 g) = 7.28 mW/g; SAR(10 g) = 1.96 mW/g
Maximum value of SAR (measured) = 18.8 mW/g



0 dB = 18.8mW/g