Test Laboratory :Sporton International Inc. SAR Testing Lab Date: 2014/03/27

FCC 2.4G System Validation-D2450V2_SN926-20140327

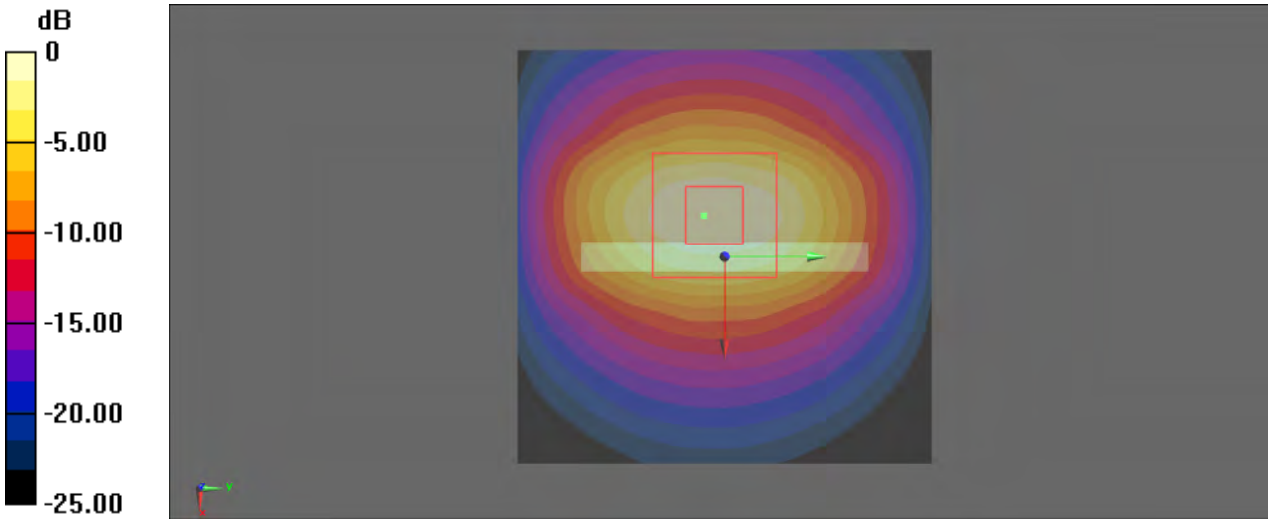
Communication System: CW ; Frequency: 2450 MHz ; Duty Cycle: 1:1
Medium: MSL_2.4G; Medium parameters used: f = 2450 MHz; σ = 1.922 S/m; ε_r = 51.187; ρ = 1000 kg/m^3

DASY5 Configuration:

- Probe: EX3DV4 - SN3958; ConvF(7.6, 7.6, 7.6); Calibrated: 2013/12/09;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2013/12/02
- Phantom: ELI v4.0 right; Type: QDOVA001BB; Serial: TP:1232
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10(7164)

Configuration/Pin=250mW/Area Scan (61x61x1):
Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 20.0 W/kg

Configuration/Pin=250mW/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 101.8 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 26.1 W/kg
SAR(1 g) = 12.8 W/kg; SAR(10 g) = 6.01 W/kg
Maximum value of SAR (measured) = 19.4 W/kg



0 dB = 19.4 W/kg = 12.88 dBW/kg

Test Laboratory :Sporton International Inc. SAR Testing Lab Date: 2014/03/25

FCC 5.2G System Validation-D5GHzV2_SN1023-20140325

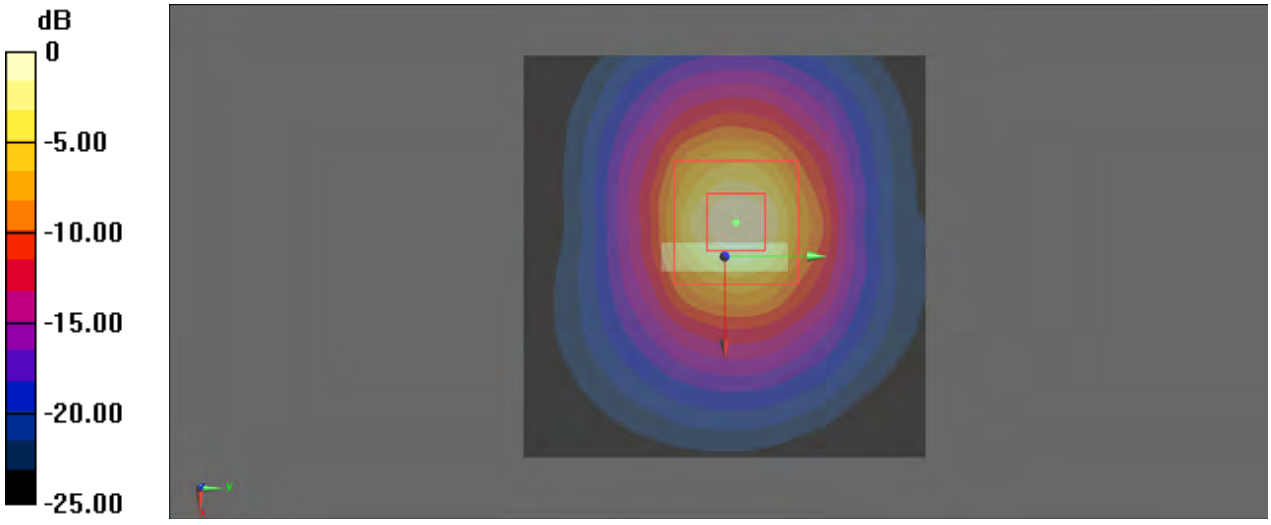
Communication System: CW ; Frequency: 5200 MHz ; Duty Cycle: 1:1
Medium: MSL_5G; Medium parameters used: f = 5200 MHz; σ = 5.32 S/m; ε_r = 47.85; ρ = 1000 kg/m^3

DASY5 Configuration:

- Probe: EX3DV4 - SN3958; ConvF(4.55, 4.55, 4.55); Calibrated: 2013/12/09;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2013/12/02
- Phantom: ELI v4.0 front; Type: QDOVA001BB; Serial: TP:1233
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10(7164)

Configuration/Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 17.8 W/kg

Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 64.648 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 29.6 W/kg
SAR(1 g) = 7.17 W/kg; SAR(10 g) = 2.04 W/kg
Maximum value of SAR (measured) = 18.2 W/kg



0 dB = 18.2 W/kg = 12.60 dBW/kg

Test Laboratory :Sporton International Inc. SAR Testing Lab Date: 2014/03/25

FCC 5.3G System Validation-D5GHzV2_SN1023-20140325

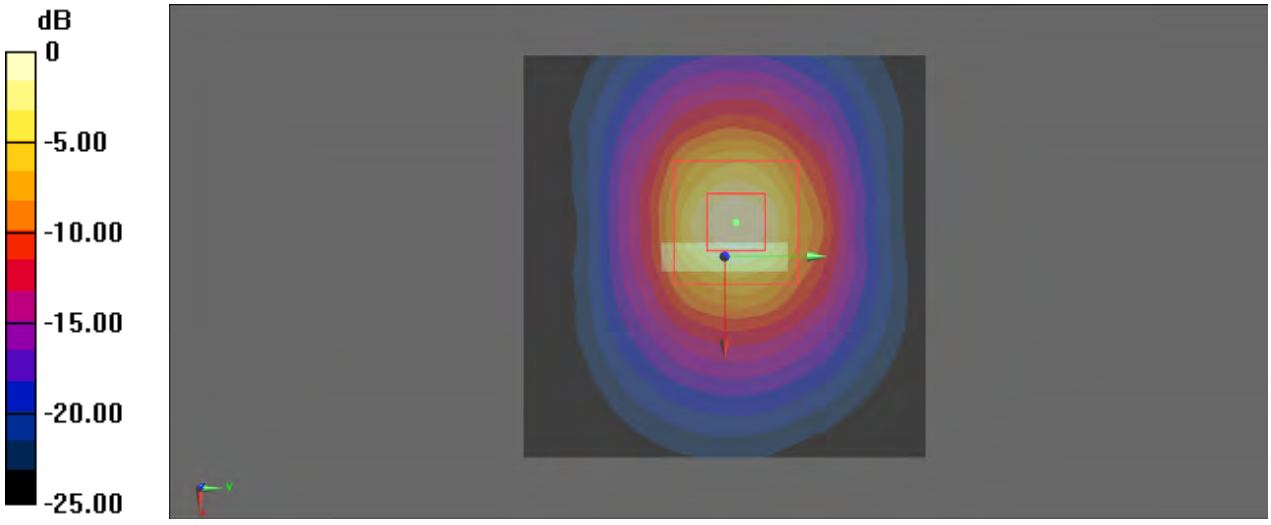
Communication System: CW ; Frequency: 5300 MHz ; Duty Cycle: 1:1
Medium: MSL_5G; Medium parameters used: f = 5300 MHz; σ = 5.445 S/m; ε_r = 47.715; ρ = 1000 kg/m^3

DASY5 Configuration:

- Probe: EX3DV4 - SN3958; ConvF(4.55, 4.55, 4.55); Calibrated: 2013/12/09;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2013/12/02
- Phantom: ELI v4.0 front; Type: QDOVA001BB; Serial: TP:1233
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10(7164)

Configuration/Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 18.5 W/kg

Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 65.274 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 32.1 W/kg
SAR(1 g) = 7.49 W/kg; SAR(10 g) = 2.13 W/kg
Maximum value of SAR (measured) = 19.3 W/kg



0 dB = 19.3 W/kg = 12.86 dBW/kg

Test Laboratory :Sporton International Inc. SAR Testing Lab Date: 2014/03/25

FCC 5.6G System Validation-D5GHzV2_SN1023-20140325

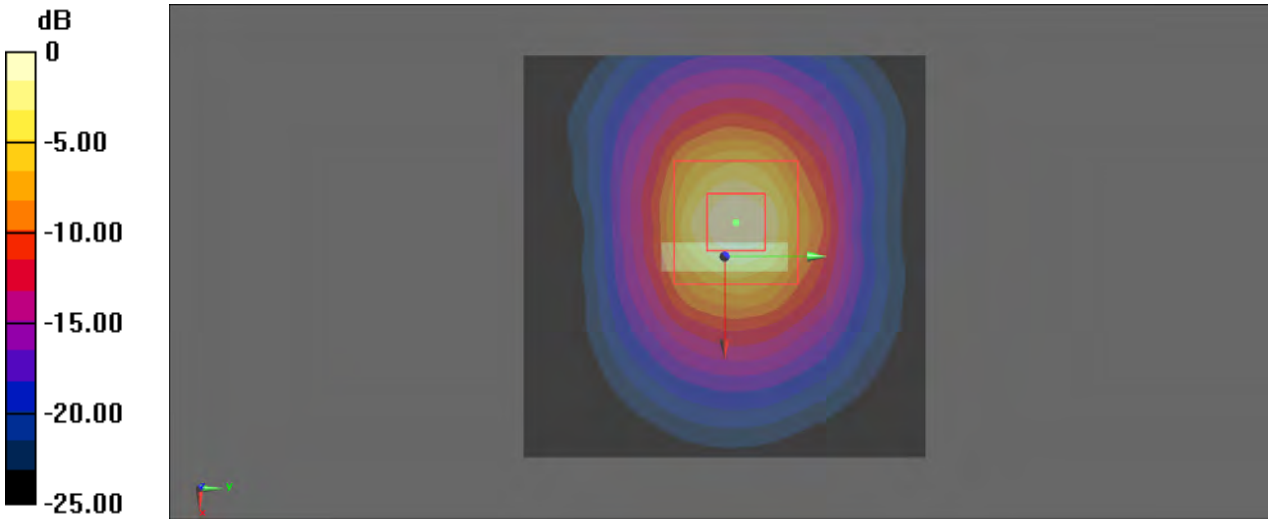
Communication System: CW ; Frequency: 5600 MHz ; Duty Cycle: 1:1
Medium: MSL_5G; Medium parameters used: f = 5600 MHz; σ = 5.846 S/m; ε_r = 47.232; ρ = 1000 kg/m^3

DASY5 Configuration:

- Probe: EX3DV4 - SN3958; ConvF(3.91, 3.91, 3.91); Calibrated: 2013/12/09;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2013/12/02
- Phantom: ELI v4.0 front; Type: QDOVA001BB; Serial: TP:1233
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10(7164)

Configuration/Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 21.6 W/kg

Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 67.911 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 39.1 W/kg
SAR(1 g) = 8.38 W/kg; SAR(10 g) = 2.35 W/kg
Maximum value of SAR (measured) = 22.2 W/kg



0 dB = 22.2 W/kg = 13.46 dBW/kg

Test Laboratory :Sporton International Inc. SAR Testing Lab Date: 2014/03/25

FCC 5.8G System Validation-D5GHzV2_SN1023-20140325

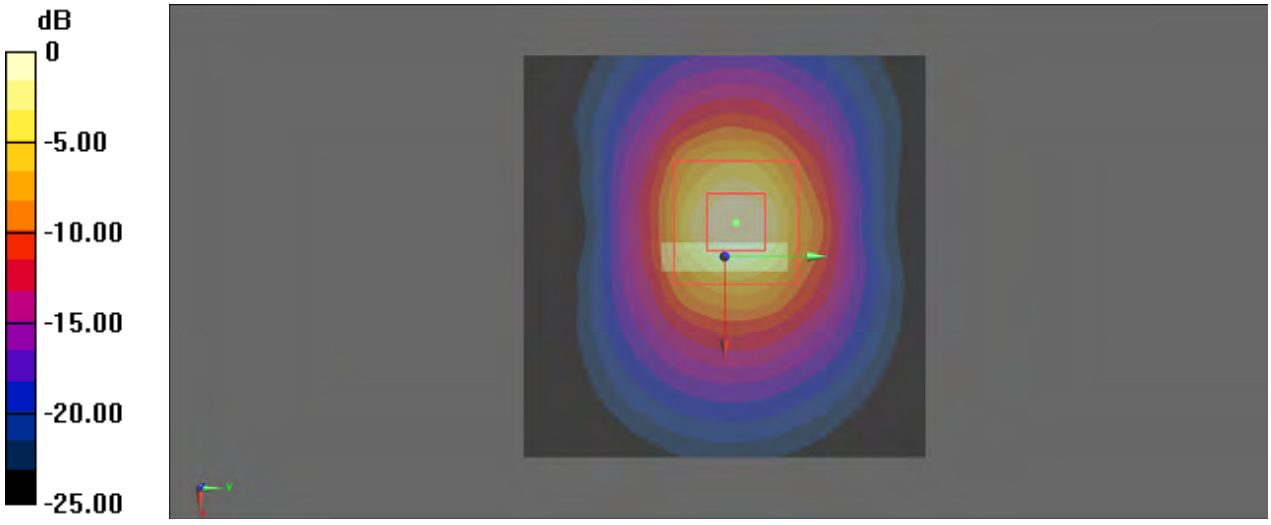
Communication System: CW ; Frequency: 5800 MHz ; Duty Cycle: 1:1
Medium: MSL_5G; Medium parameters used: f = 5800 MHz; σ = 6.11 S/m; ε_r = 46.899; ρ = 1000 kg/m^3

DASY5 Configuration:

- Probe: EX3DV4 - SN3958; ConvF(4.15, 4.15, 4.15); Calibrated: 2013/12/09;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2013/12/02
- Phantom: ELI v4.0 front; Type: QDOVA001BB; Serial: TP:1233
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10(7164)

Configuration/Pin=100mW/Area Scan (71x71x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 18.2 W/kg

Configuration/Pin=100mW/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 63.001 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 32.6 W/kg
SAR(1 g) = 7.09 W/kg; SAR(10 g) = 1.99 W/kg
Maximum value of SAR (measured) = 18.8 W/kg



0 dB = 18.8 W/kg = 12.74 dBW/kg