

Test Laboratory: UL CCS

Lap held

DUT: Panasonic; Type: Laptop; Serial: n/a

Communication System: 802.11a 5.2-5.3GHz; Frequency: 5200 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.268$ mho/m; $\epsilon_r = 50.074$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(3.98, 3.98, 3.98); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

5.2 GHz/802.11a_Ant_Aux Ch 40/Area Scan (15x17x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 0.028 mW/g

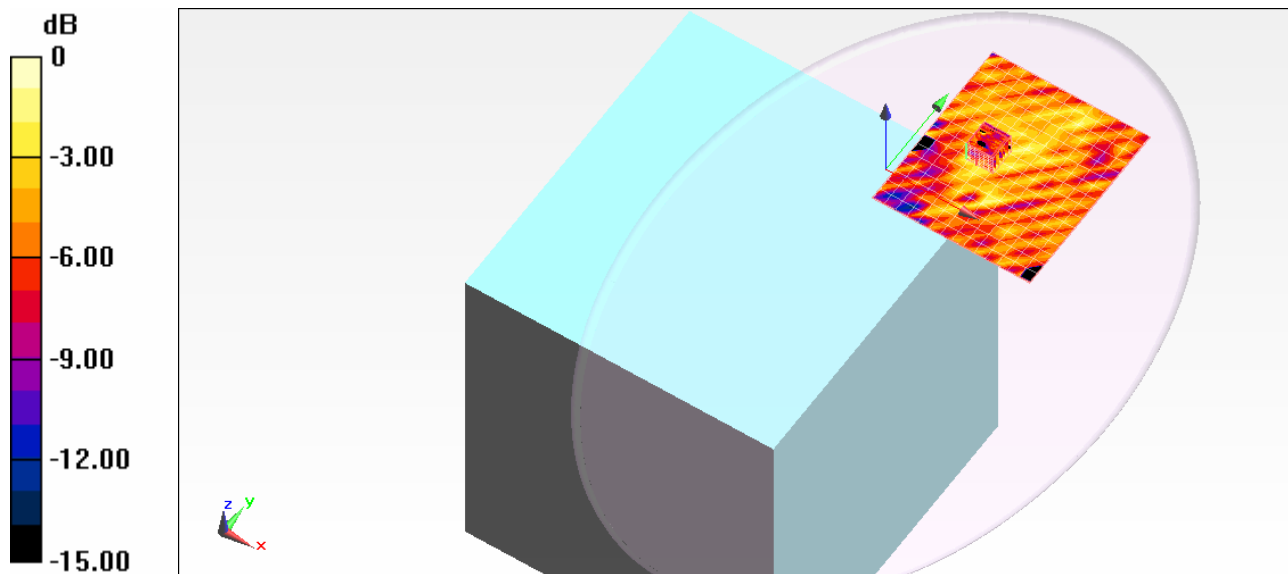
5.2 GHz/802.11a_Ant_Aux Ch 40/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 1.033 V/m; Power Drift = -0.24 dB

Peak SAR (extrapolated) = 0.076 W/kg

SAR(1 g) = 0.000104 mW/g; SAR(10 g) = 3.15e-006 mW/g

Maximum value of SAR (measured) = 0.076 mW/g



0 dB = 0.030mW/g

Test Laboratory: UL CCS

Lap held

DUT: Panasonic; Type: Laptop; Serial: n/a

Communication System: 802.11a 5.2-5.3GHz; Frequency: 5300 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 5300 \text{ MHz}$; $\sigma = 5.455 \text{ mho/m}$; $\epsilon_r = 49.922$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(3.7, 3.7, 3.7); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

5.3 GHz/802.11a_Ant_Aux Ch 60/Area Scan (15x17x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
 Maximum value of SAR (measured) = 0.058 mW/g

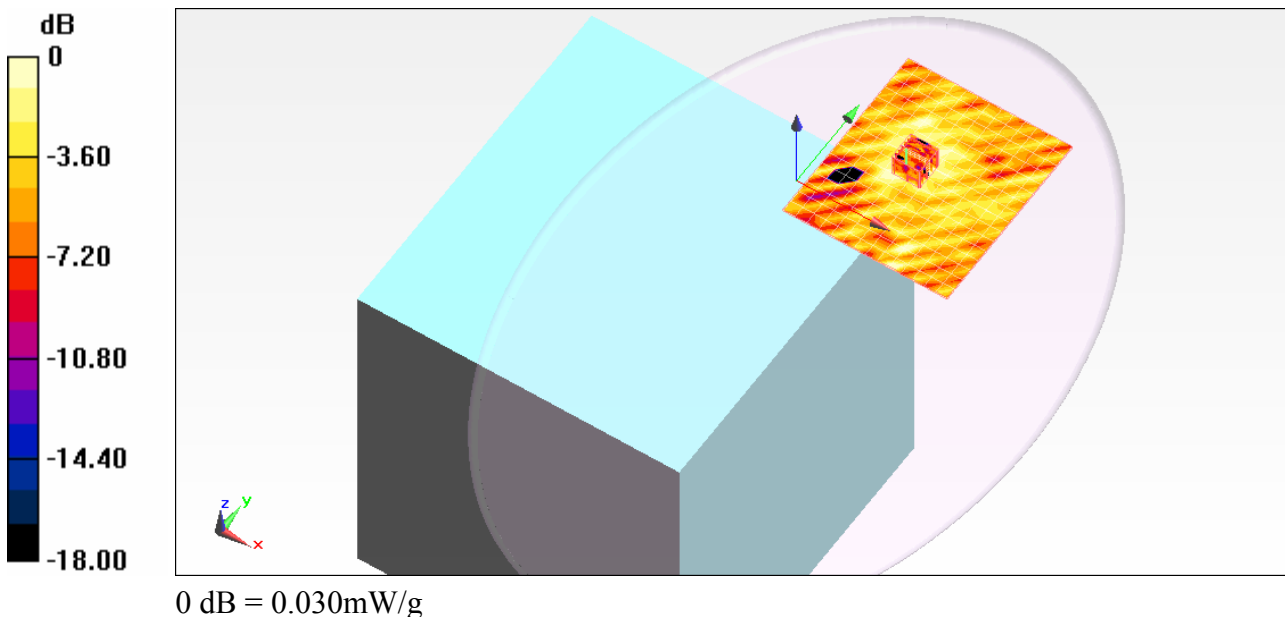
5.3 GHz/802.11a_Ant_Aux Ch 60/Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$,
 $dz=2.5\text{mm}$

Reference Value = 1.314 V/m; Power Drift = -0.22 dB

Peak SAR (extrapolated) = 0.101 W/kg

SAR(1 g) = 0.00168 mW/g; SAR(10 g) = 0.000164 mW/g

Maximum value of SAR (measured) = 0.033 mW/g



Test Laboratory: UL CCS

Lap held

DUT: Panasonic; Type: Laptop; Serial: n/a

Communication System: 802.11a 5.2-5.3GHz; Frequency: 5270 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 5.423$ mho/m; $\epsilon_r = 49.948$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(3.7, 3.7, 3.7); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

5.3 GHz/802.11n_Ant_Aux Ch 54/Area Scan (15x17x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.133 mW/g

5.3 GHz/802.11n_Ant_Aux Ch 54/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

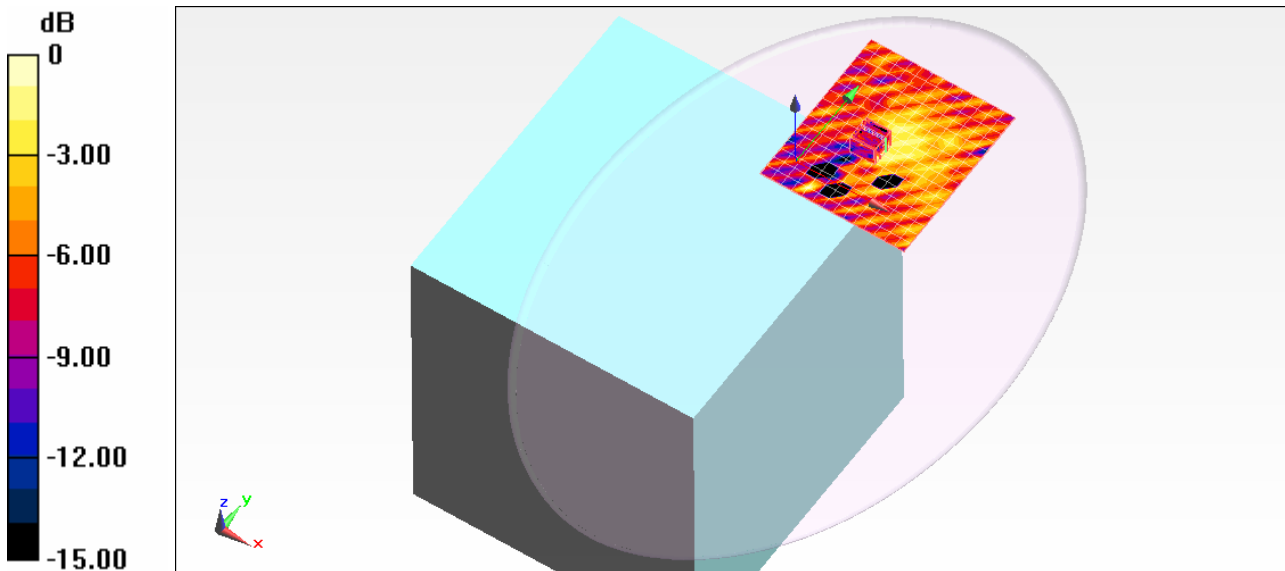
Reference Value = 0.947 V/m; Power Drift = 0.24 dB

Peak SAR (extrapolated) = 0.135 W/kg

SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.00585 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.037 mW/g



0 dB = 0.040mW/g

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Laptop Mode Lap Held

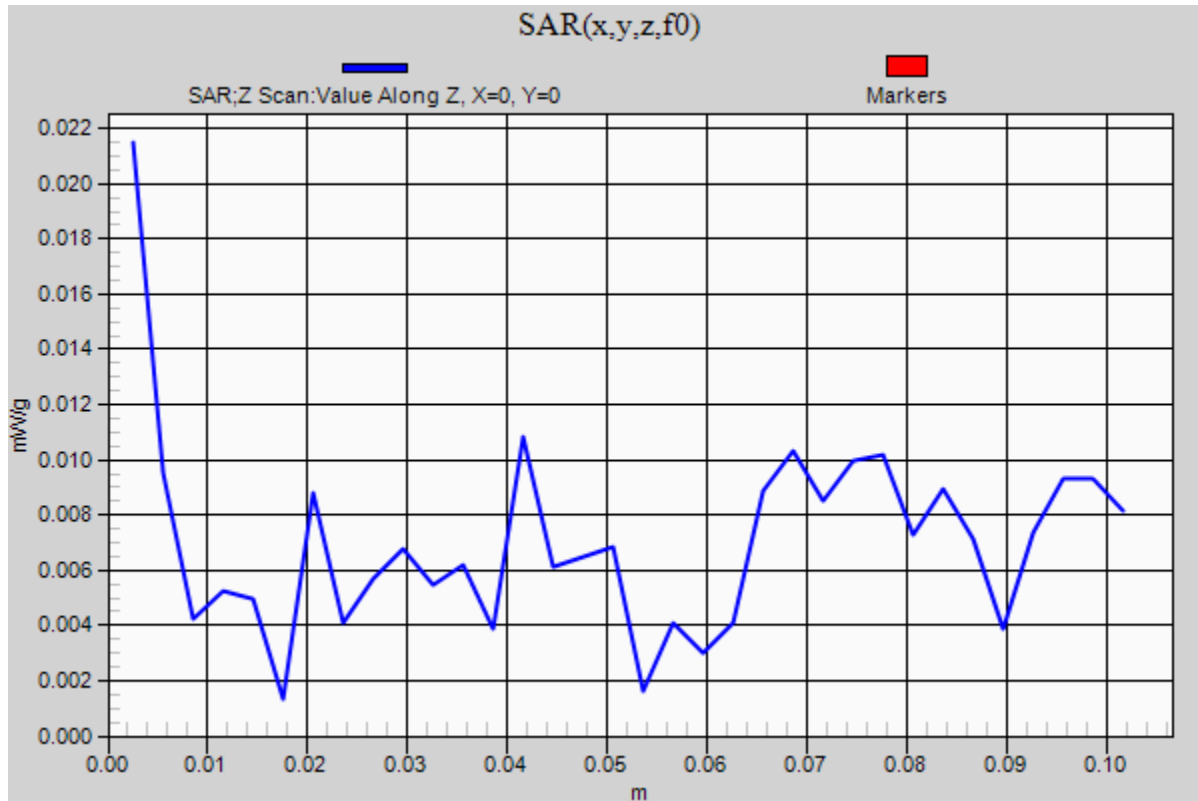
DUT: Panasonic; Type: Tablet; Serial: 1BKKSA00017

Communication System: 802.11a 5.2-5.3GHz; Frequency: 5270 MHz;Duty Cycle: 1:1

5.3 GHz/802.11n_Ant_Aux Ch 54/Z Scan (1x1x34): Measurement grid: dx=20mm, dy=20mm, dz=3mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.021 mW/g



Test Laboratory: UL CCS

Laptop Mode Lap Held

DUT: Panasonic; Type: Laptop; Serial: n/a

Communication System: 802.11a 5.5GHz; Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5600$ MHz; $\sigma = 5.913$ mho/m; $\epsilon_r = 46.115$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

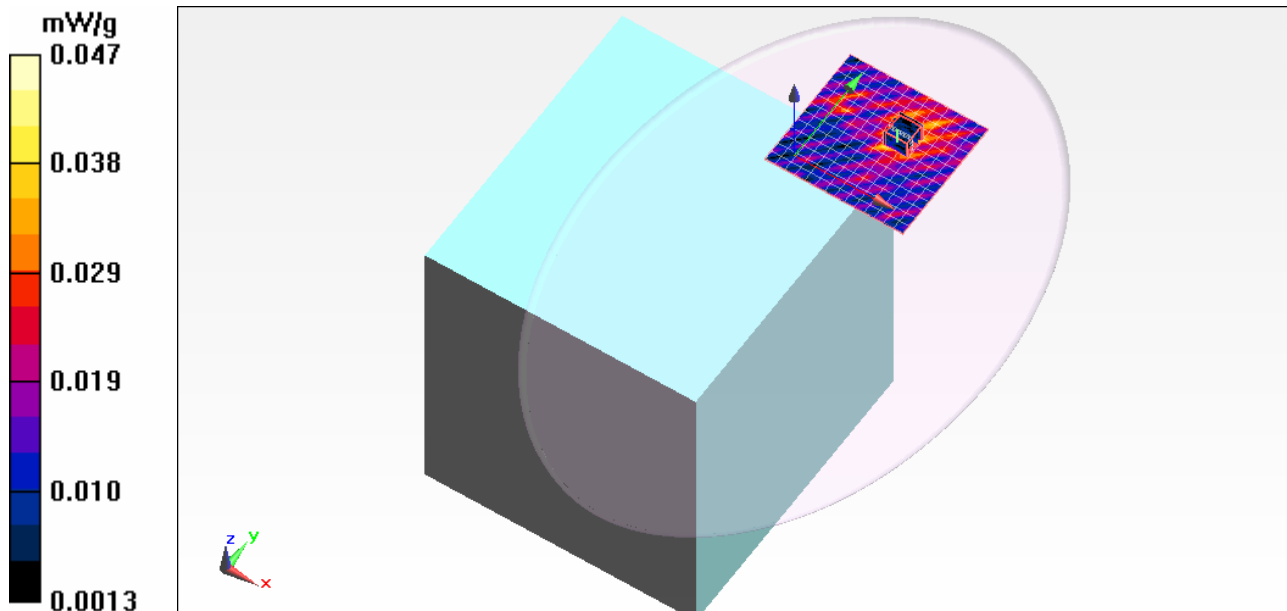
Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(3.29, 3.29, 3.29); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

5.5GHz/802.11a_Ant_Aux Ch 120/Area Scan (15x14x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.047 mW/g

5.5GHz/802.11a_Ant_Aux Ch 120/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.275 V/m; Power Drift = -0.22 dB
Peak SAR (extrapolated) = 0.092 W/kg
SAR(1 g) = 0.00116 mW/g; SAR(10 g) = 0.000151 mW/g
Maximum value of SAR (measured) = 0.054 mW/g



Test Laboratory: UL CCS

Laptop Mode Lap Held

DUT: Panasonic; Type: Laptop; Serial: n/a

Communication System: 802.11a 5.8GHz; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.164$ mho/m; $\epsilon_r = 45.793$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 25.0 deg. C; Liquid Temperature: 24.0 deg. C

DASY5 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3686; ConvF(3.7, 3.7, 3.7); Calibrated: 1/24/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 11/17/2010
- Phantom: ELI 4.0; Type: QDOVA001BB; Serial: 1099
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

5.8 GHz/802.11a_Ant_Aux Ch 157/Area Scan (15x13x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.035 mW/g

5.8 GHz/802.11a_Ant_Aux Ch 157/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0.855 V/m; Power Drift = -0.25 dB

Peak SAR (extrapolated) = 0.055 W/kg

SAR(1 g) = 5.7e-005 mW/g; SAR(10 g) = 3.4e-006 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.055 mW/g

