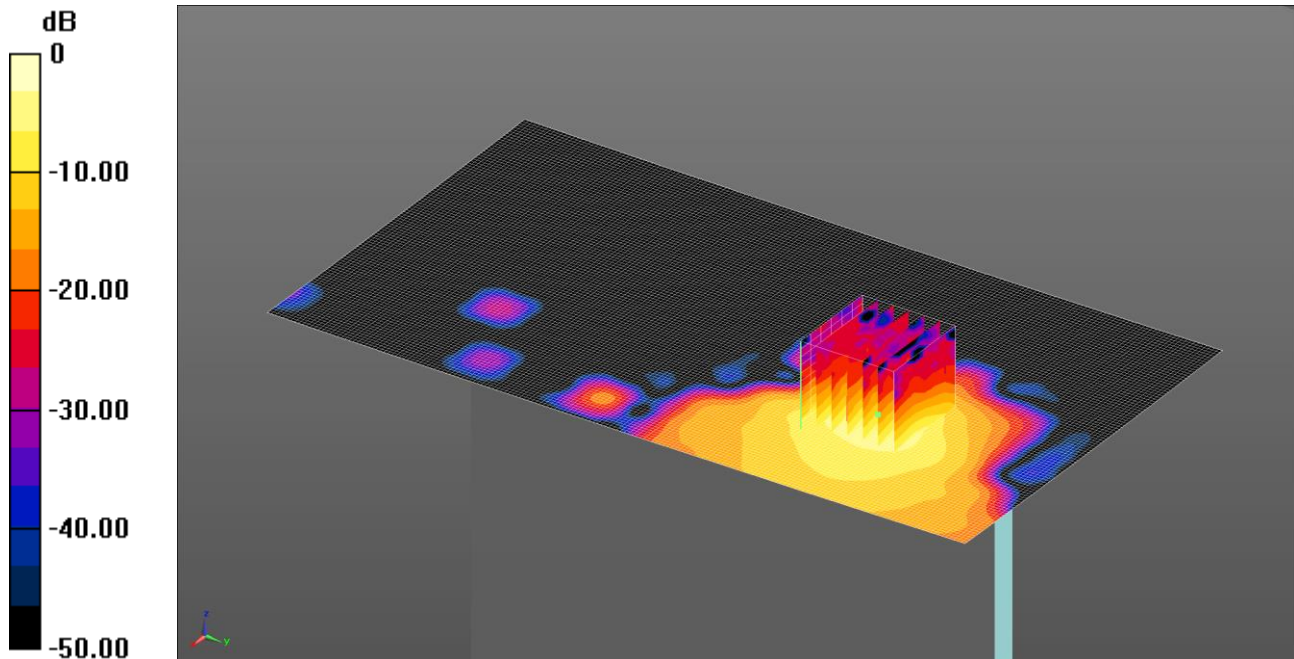


074: Bottom Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 6 Mbps SISO CH48

Date/Time: 21/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.50 W/kg = 1.76 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5240$ MHz; $\sigma = 5.349$ S/m; $\epsilon_r = 48.127$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Bottom of EUT Facing Phantom- High/Area Scan (101x181x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.850 W/kg

Configuration/Bottom of EUT Facing Phantom- High/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (7x7x12)/Cube 0:Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 11.521 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.21 W/kg

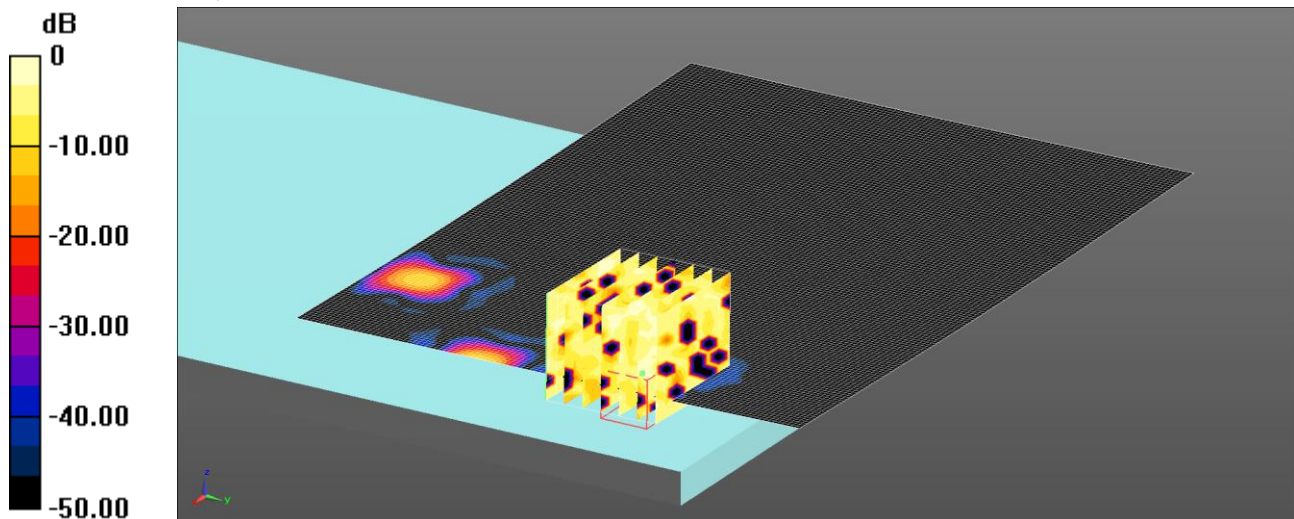
SAR(1 g) = 0.755 W/kg

Maximum value of SAR (measured) = 1.50 W/kg

075: Back Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 2 6 Mbps SISO CH48

Date: 22/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0376 W/kg = -14.25 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5240$ MHz; $\sigma = 5.349$ S/m; $\epsilon_r = 48.127$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Back of EUT Facing Phantom - High/Area Scan (151x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0329 W/kg

Configuration/Back of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (8x7x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.002 V/m; Power Drift = -8.94 dB

Peak SAR (extrapolated) = 0.0480 W/kg

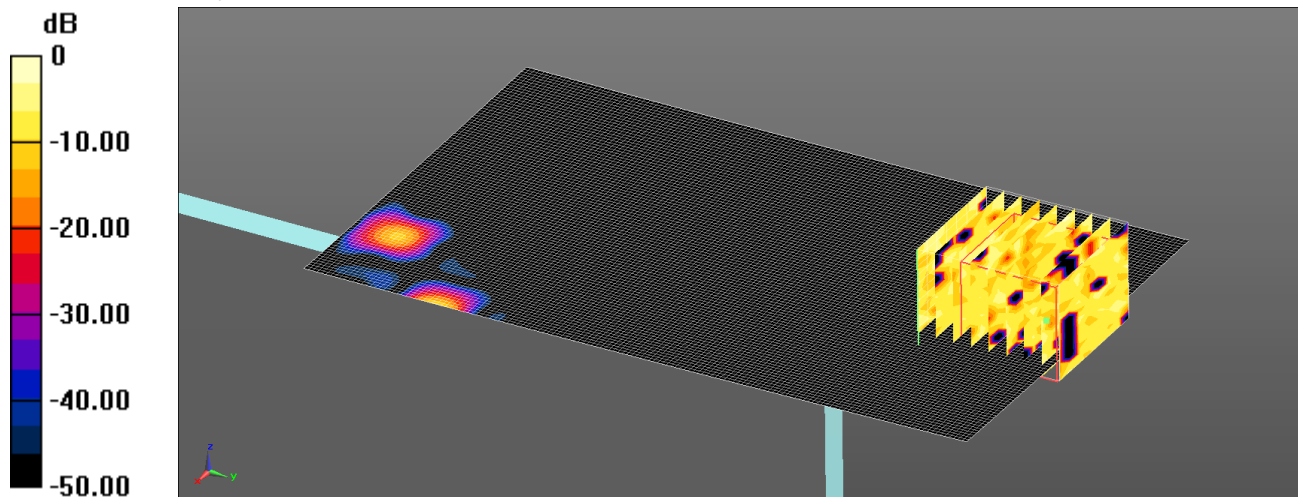
SAR(1 g) = 0.00279 W/kg

Maximum value of SAR (measured) = 0.0376 W/kg

076: Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 2 6 Mbps SISO CH48

Date: 22/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0737 W/kg = -11.33 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5240$ MHz; $\sigma = 5.349$ S/m; $\epsilon_r = 48.127$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 7/5/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Right of EUT Facing Phantom - High/Area Scan (91x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.00952 W/kg

Configuration/Right of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 (8x9x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.136 V/m; Power Drift = 7.50 dB

Peak SAR (extrapolated) = 0.0430 W/kg

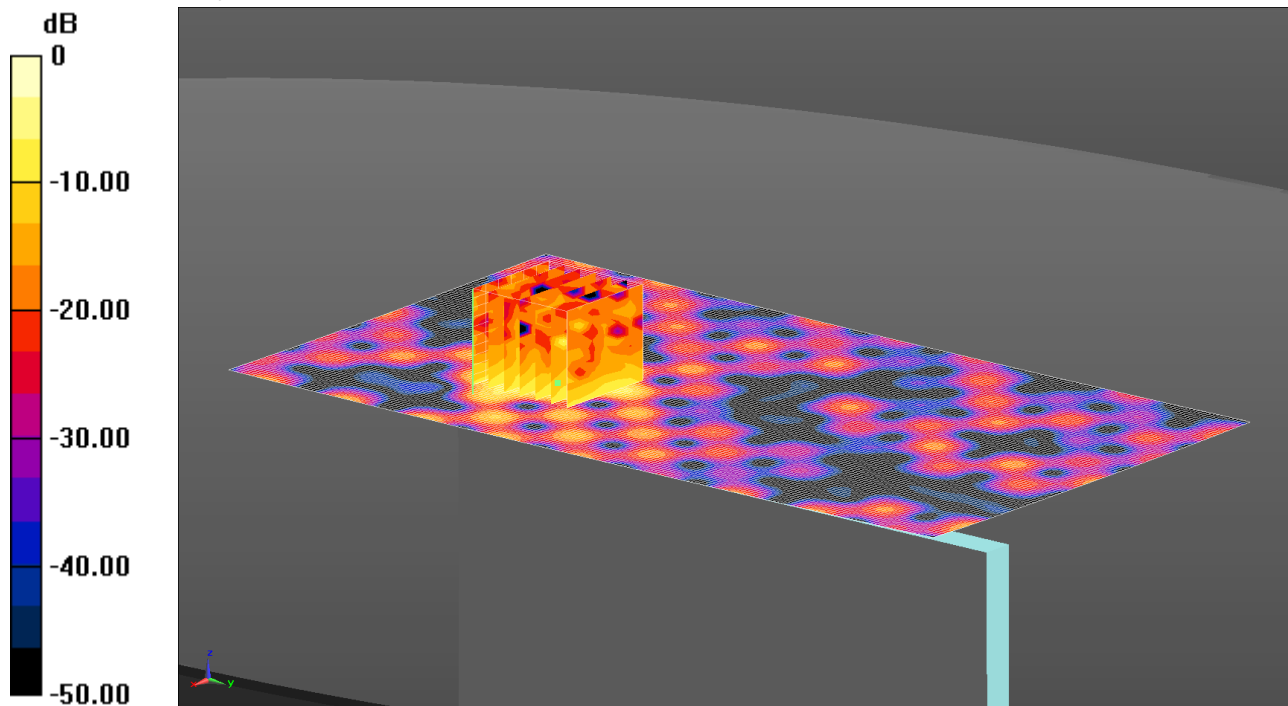
SAR(1 g) = 0.00497 W/kg; SAR(10 g) = 0.00189 W/kg

Maximum value of SAR (measured) = 0.0737 W/kg

077: Bottom Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 2 6 Mbps SISO CH48

Date: 26/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.967 W/kg = -0.15 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5240$ MHz; $\sigma = 5.476$ S/m; $\epsilon_r = 47.779$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Bottom of EUT Facing Phantom - High 2/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.969 W/kg

Configuration/Bottom of EUT Facing Phantom - High 2/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (7x7x12)/Cube**0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 13.443 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.64 W/kg

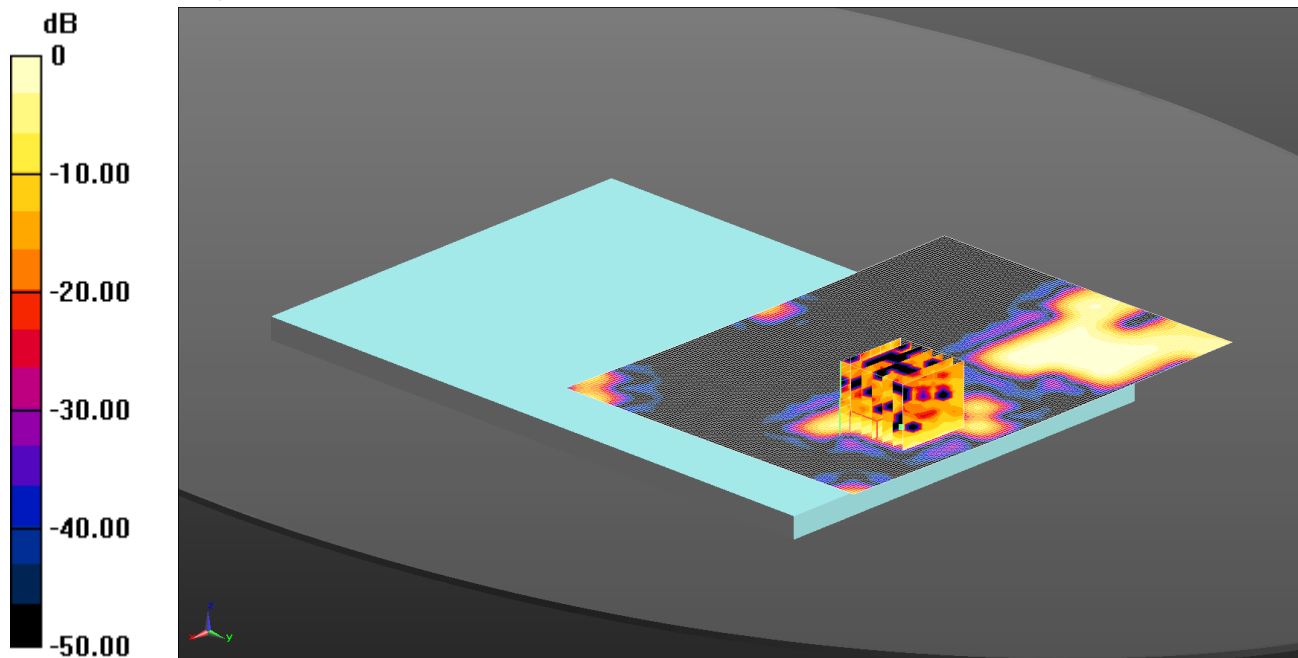
SAR(1 g) = 0.426 W/kg

Maximum value of SAR (measured) = 0.967 W/kg

078: Back Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 & 2 6 Mbps MIMO CH40

Date: 26/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0933 W/kg = -10.30 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used: $f = 5200$ MHz; $\sigma = 5.375$ S/m; $\epsilon_r = 47.773$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Back of EUT Facing Phantom - High/Area Scan (151x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.181 W/kg

Configuration/Back of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (7x7x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.694 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.179 W/kg

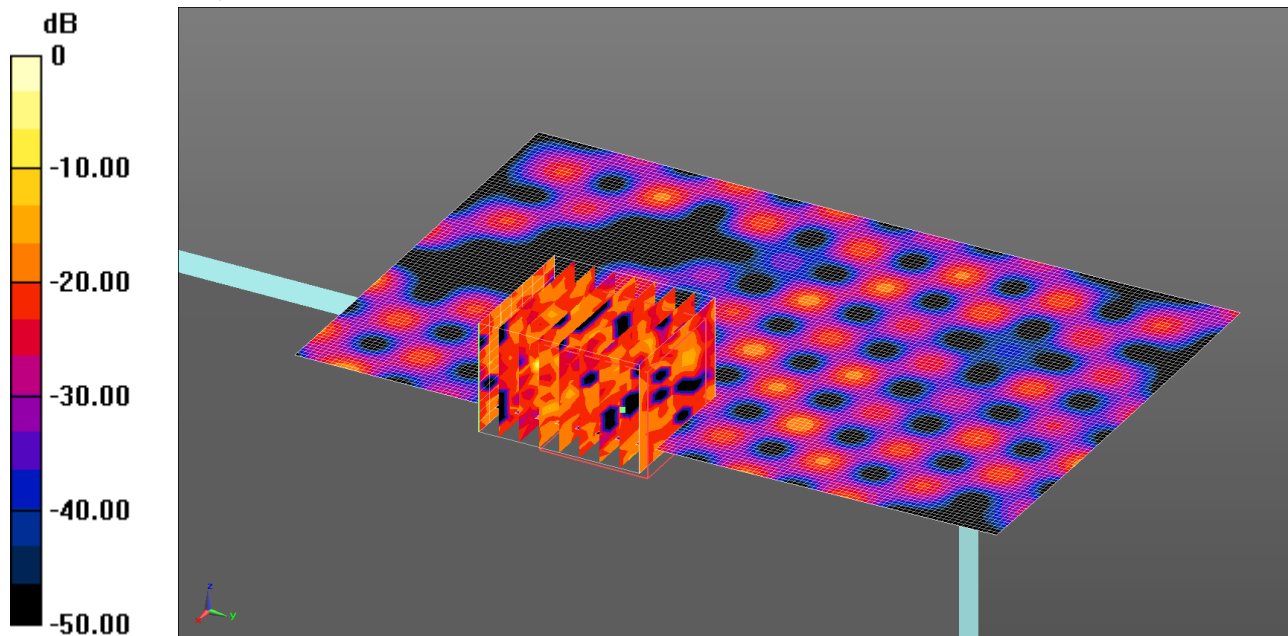
SAR(1 g) = 0.046 W/kg

Maximum value of SAR (measured) = 0.0933 W/kg

079: Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 & 2 6 Mbps MIMO CH40

Date: 27/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.25 W/kg = 0.97 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used: $f = 5200$ MHz; $\sigma = 5.375$ S/m; $\epsilon_r = 47.773$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Right of EUT Facing Phantom - High/Area Scan (91x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0337 W/kg

Configuration/Right of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 (8x9x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.242 V/m; Power Drift = -4.59 dB

Peak SAR (extrapolated) = 1.25 W/kg

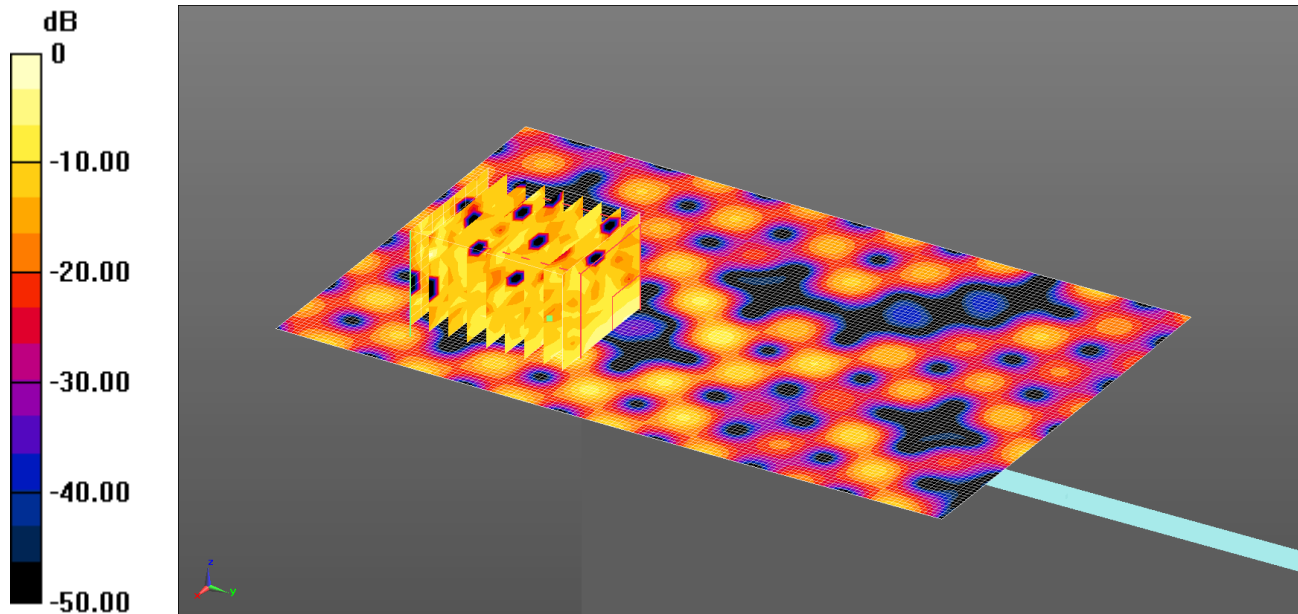
SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.00555 W/kg

Maximum value of SAR (measured) = 1.25 W/kg

080: Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 & 2 6 Mbps MIMO CH40

Date: 28/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.202 W/kg = -6.95 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used: $f = 5200$ MHz; $\sigma = 5.375$ S/m; $\epsilon_r = 47.773$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Left of EUT Facing Phantom - High/Area Scan (91x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0702 W/kg

Configuration/Left of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 (8x9x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.395 V/m; Power Drift = 3.68 dB

Peak SAR (extrapolated) = 0.685 W/kg

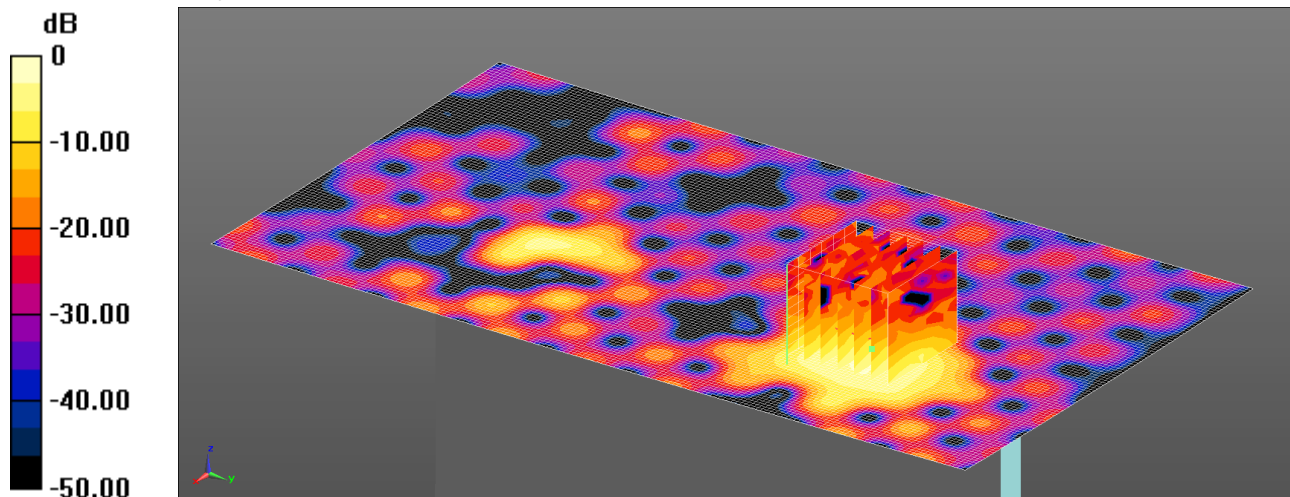
SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.014 W/kg

Maximum value of SAR (measured) = 0.202 W/kg

081: Bottom Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 & 2 6 Mbps MIMO CH40

Date: 28/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.42 W/kg = 1.52 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used: $f = 5200$ MHz; $\sigma = 5.375$ S/m; $\epsilon_r = 47.773$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Bottom of EUT Facing Phantom - High 2/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.965 W/kg

Configuration/Bottom of EUT Facing Phantom - High 2/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (7x7x12)/Cube

0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 12.216 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 2.96 W/kg

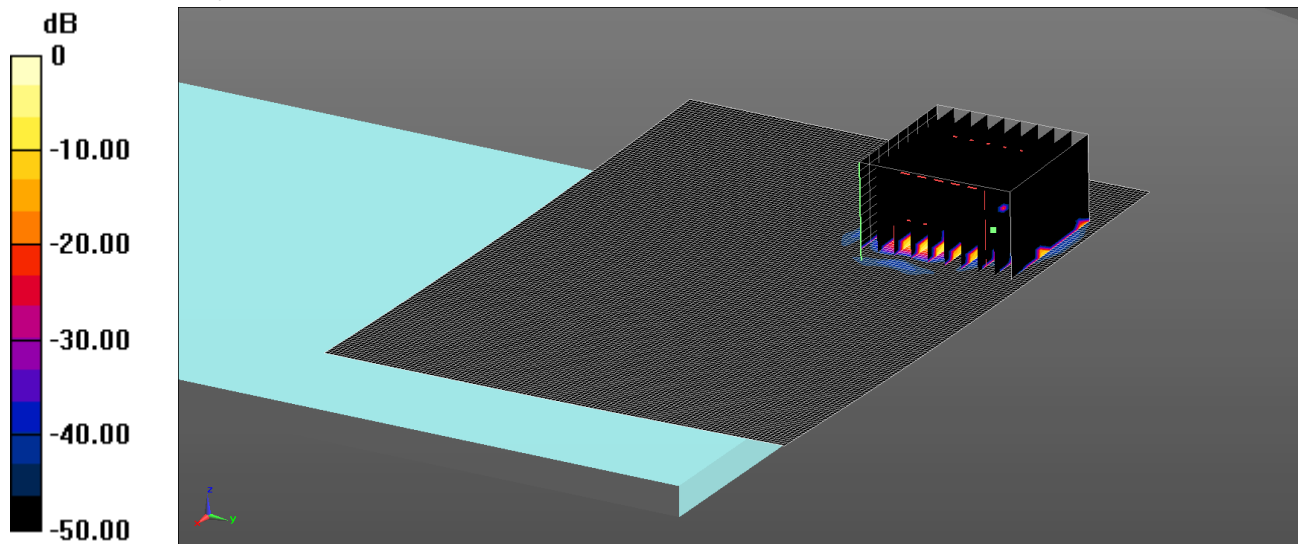
SAR(1 g) = 0.749 W/kg

Maximum value of SAR (measured) = 1.42 W/kg

082: Back Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13,5 Mbps SISO CH46

Date: 11/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0571 W/kg = -12.43 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5230 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5230$ MHz; $\sigma = 5.299$ S/m; $\epsilon_r = 47.678$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(4.44, 4.44, 4.44); Calibrated: 24/09/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/05/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Back of EUT Facing Phantom- Middle/Area Scan (151x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0230 W/kg

Configuration/Back of EUT Facing Phantom- Middle/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (9x10x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.342 W/kg

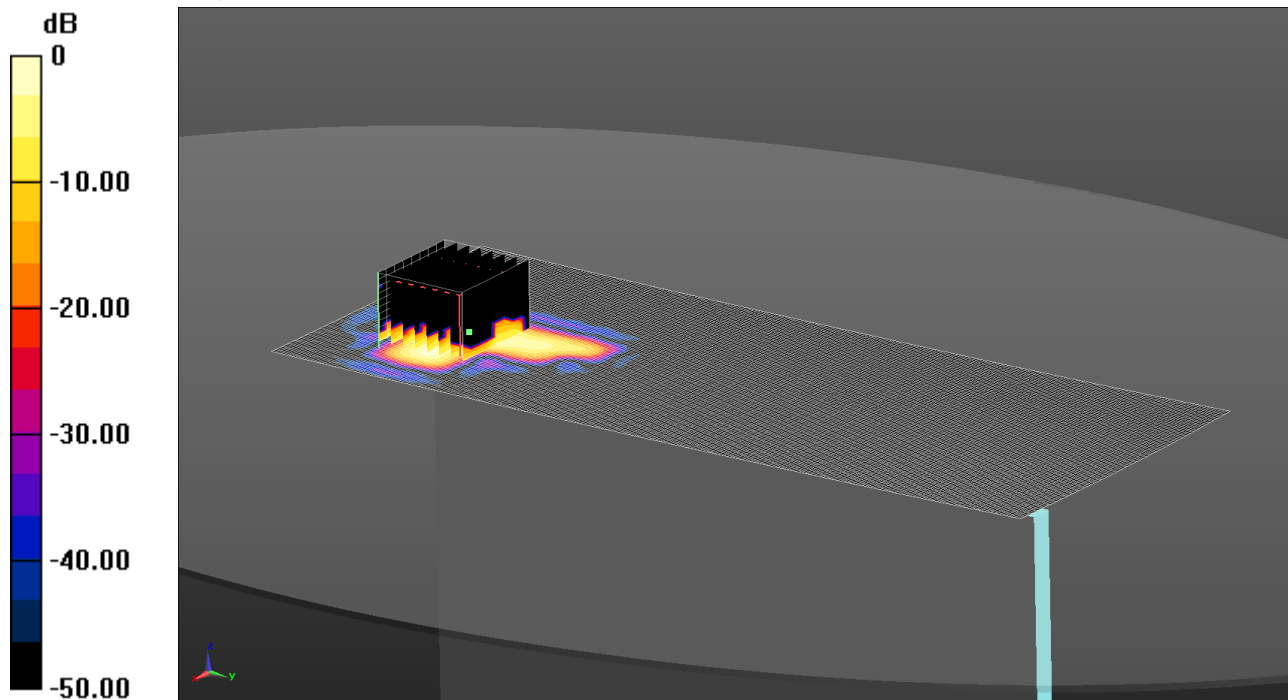
SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.00924 W/kg

Maximum value of SAR (measured) = 0.0571 W/kg

083: Left Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13,5 Mbps SISO CH46

Date: 11/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.190 W/kg = -7.21 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5230 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5230$ MHz; $\sigma = 5.299$ S/m; $\epsilon_r = 47.678$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(4.44, 4.44, 4.44); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Left of EUT Facing Phantom- Middle/Area Scan (101x251x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.168 W/kg

Configuration/Left of EUT Facing Phantom- Middle/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (9x8x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.305 V/m; Power Drift = 0.31 dB

Peak SAR (extrapolated) = 0.312 W/kg

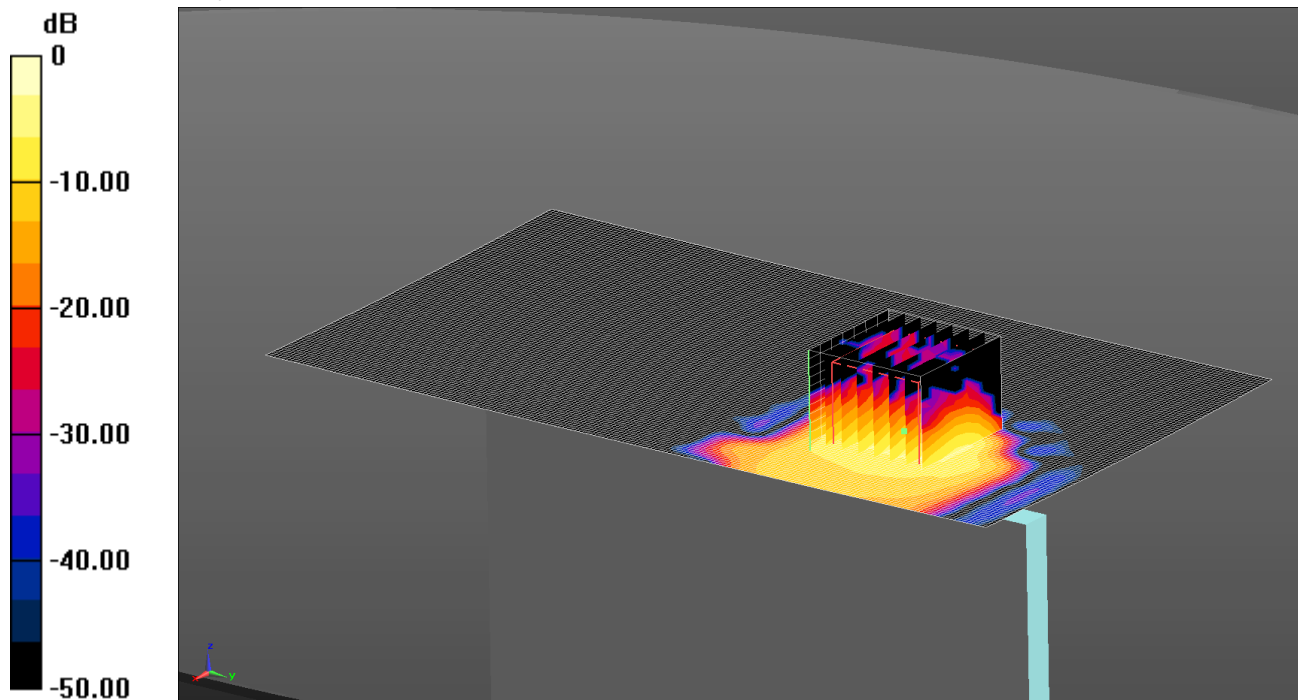
SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.029 W/kg

Maximum value of SAR (measured) = 0.190 W/kg

084: Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13,5 Mbps SISO CH46

Date: 11/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.29 W/kg = 1.11 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5230 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5230$ MHz; $\sigma = 5.299$ S/m; $\epsilon_r = 47.678$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(4.44, 4.44, 4.44); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Bottom of EUT Facing Phantom- Middle/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.22 W/kg

Configuration/Bottom of EUT Facing Phantom- Middle/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (8x8x12)/Cube

0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 11.28 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.23 W/kg

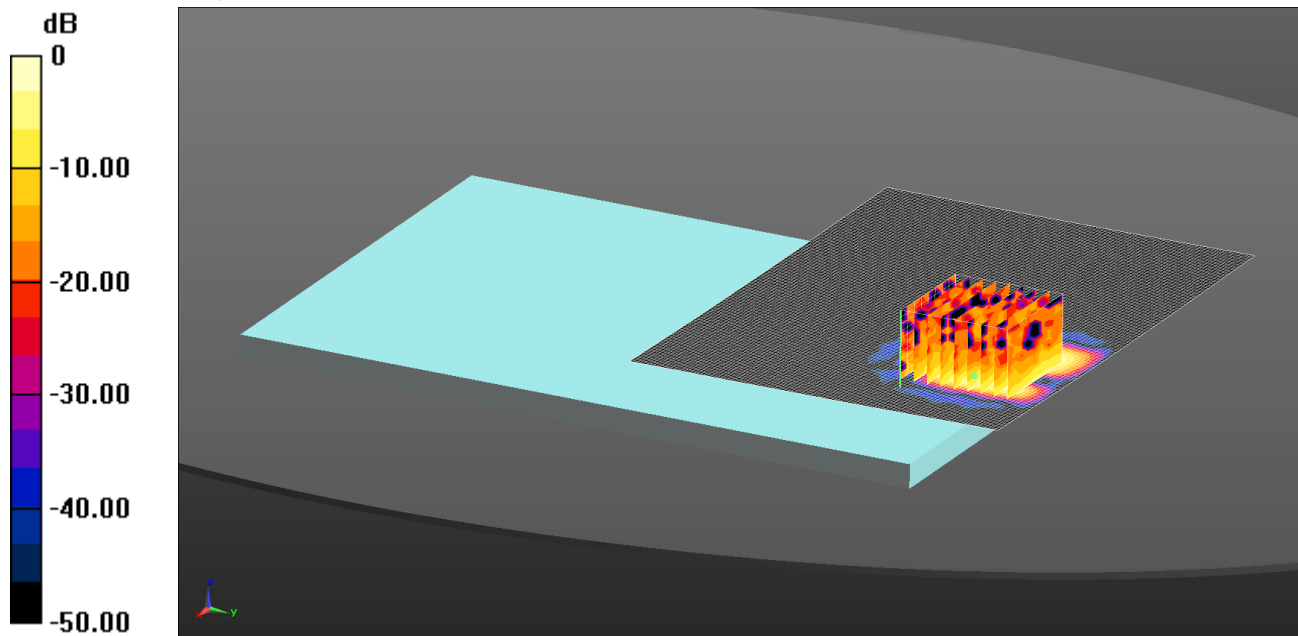
SAR(1 g) = 0.653 W/kg; SAR(10 g) = 0.217 W/kg

Maximum value of SAR (measured) = 1.29 W/kg

085: Back Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 2 13,5 Mbps SISO CH46

Date: 12/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.200 W/kg = -6.99 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5230 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5230$ MHz; $\sigma = 5.467$ S/m; $\epsilon_r = 47.962$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Back of EUT Facing Phantom- Middle/Area Scan (151x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.205 W/kg

Configuration/Back of EUT Facing Phantom- Middle/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (9x9x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.135 V/m; Power Drift = 0.76 dB

Peak SAR (extrapolated) = 0.668 W/kg

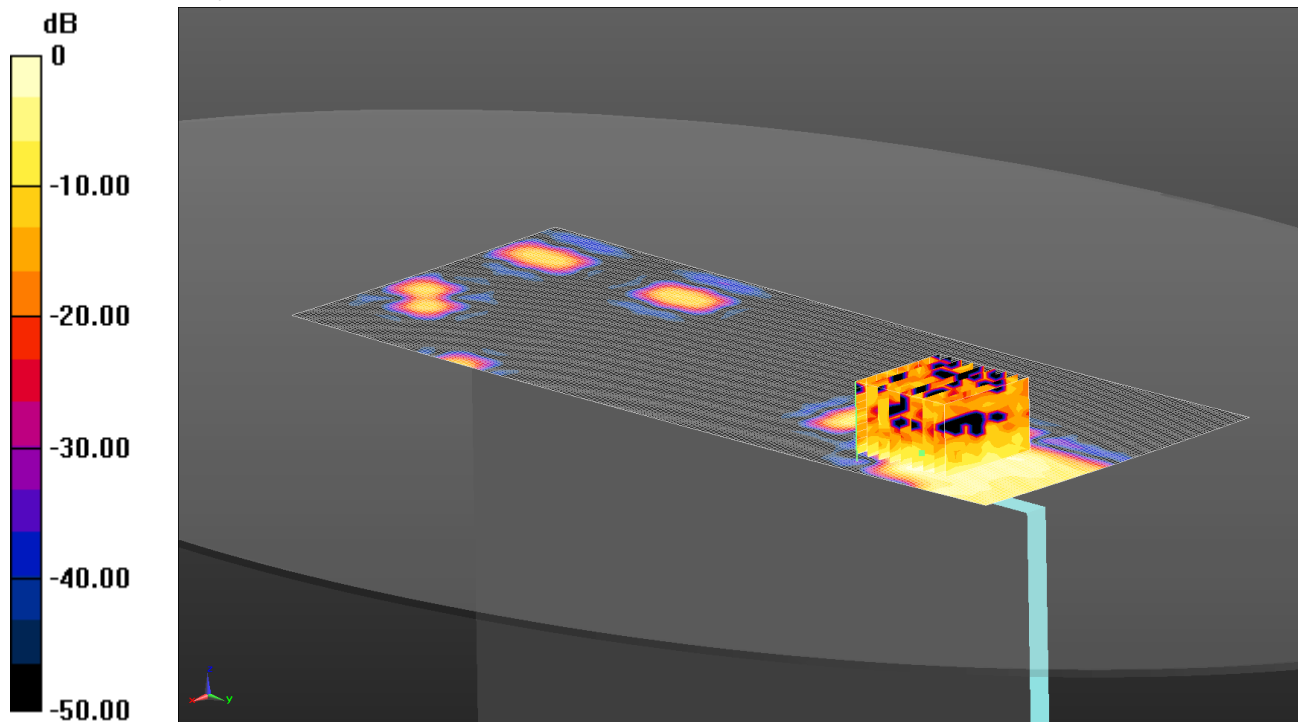
SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.043 W/kg

Maximum value of SAR (measured) = 0.200 W/kg

086: Right Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13,5 Mbps SISO CH46

Date: 12/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0814 W/kg = -10.89 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5230 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5230$ MHz; $\sigma = 5.467$ S/m; $\epsilon_r = 47.962$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Right of EUT Facing Phantom- Middle/Area Scan (101x251x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0741 W/kg

Configuration/Right of EUT Facing Phantom- Middle/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (9x9x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.458 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.160 W/kg

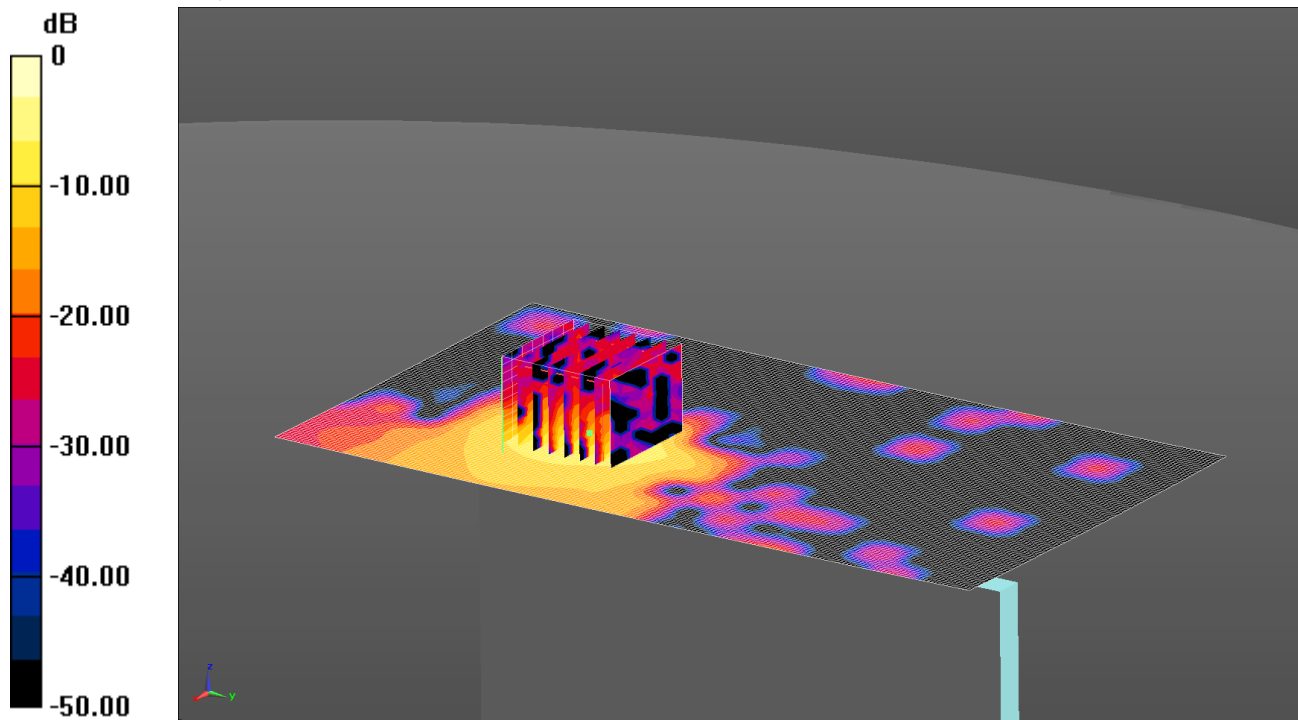
SAR(1 g) = 0.039 W/kg; SAR(10 g) = 0.016 W/kg

Maximum value of SAR (measured) = 0.0814 W/kg

087: Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13,5 Mbps SISO CH46

Date: 12/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.50 W/kg = 1.76 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5230 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5230$ MHz; $\sigma = 5.467$ S/m; $\epsilon_r = 47.962$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Bottom of EUT Facing Phantom- Middle/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.801 W/kg

Configuration/Bottom of EUT Facing Phantom- Middle/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (8x8x12)/Cube**0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.780 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 3.57 W/kg

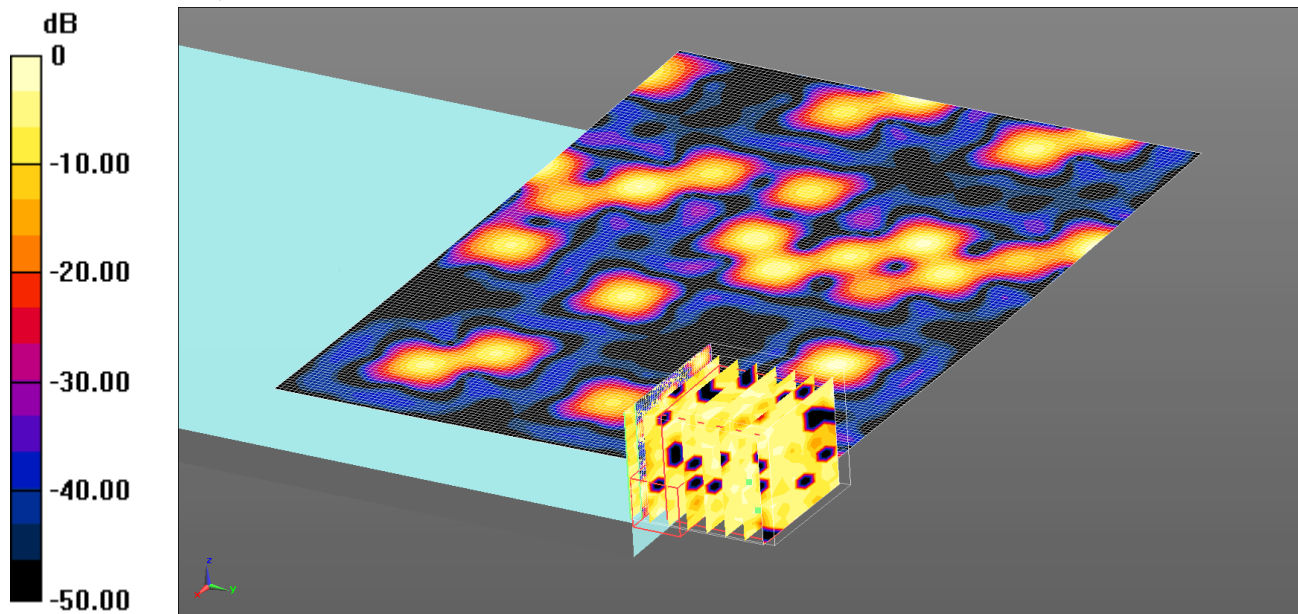
SAR(1 g) = 0.740 W/kg; SAR(10 g) = 0.236 W/kg

Maximum value of SAR (measured) = 1.50 W/kg

088: Back Of EUT Facing Phantom WiFi 802.11n HT40 Ant 1&2 13.5Mbps MIMO CH46

Date: 13/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0379 W/kg = -14.21 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5230 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5230$ MHz; $\sigma = 5.467$ S/m; $\epsilon_r = 47.962$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;

- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Back of EUT Facing Phantom/Zoom Scan (5-6 GHz) (7x7x12) (36x36x61)/Cube 0:Interpolated grid: $dx=0.8000$ mm, $dy=0.8000$ mm, $dz=0.4000$ mm

Reference Value = 1.695 V/m; Power Drift = 2.72 dB

Maximum value of SAR (interpolated) = 0.0829 W/kg

Configuration/Back of EUT Facing Phantom/Zoom Scan (5-6 GHz) (7x7x12) 2 (8x8x12)/Cube 0:Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 1.695 V/m; Power Drift = 2.72 dB

Peak SAR (extrapolated) = 0.121 W/kg

SAR(1 g) = 0.00539 W/kg; SAR(10 g) = 0.00208 W/kg

Maximum value of SAR (measured) = 0.0379 W/kg

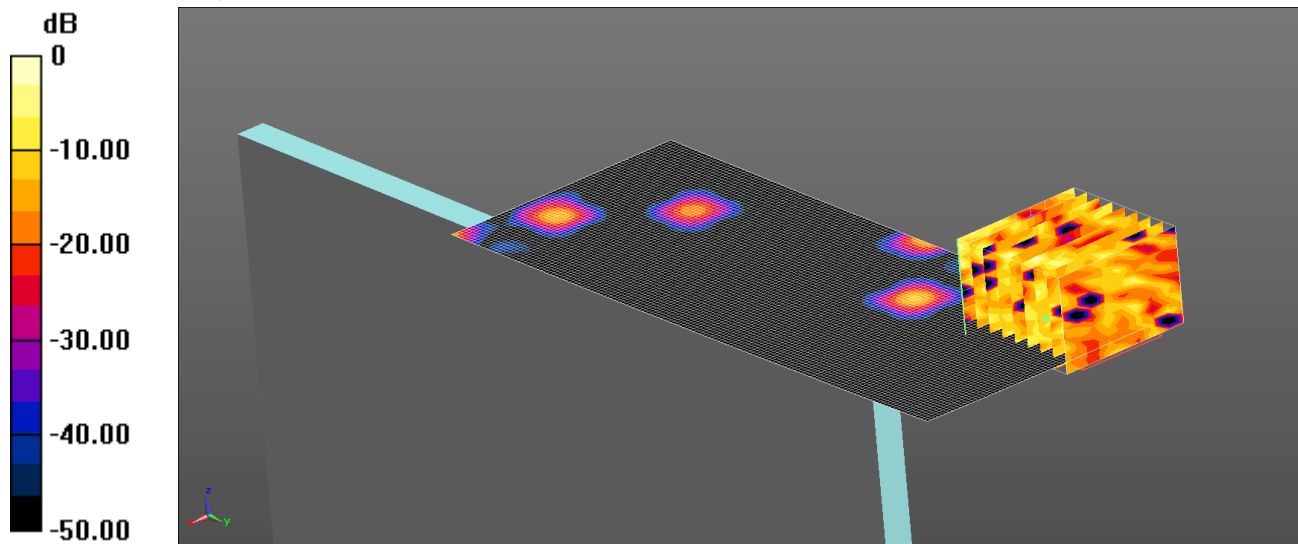
Configuration/Back of EUT Facing Phantom/Area Scan 3 (151x111x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.0219 W/kg

089: Right Of EUT Facing Phantom WiFi 802.11n HT40 Ant 1&2 13.5Mbps MIMO CH46

Date: 15/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.272 W/kg = -5.65 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5230 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5230$ MHz; $\sigma = 5.485$ S/m; $\epsilon_r = 47.47$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Right of EUT Facing Phantom/Area Scan 3 (61x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0185 W/kg

Configuration/Right of EUT Facing Phantom/Zoom Scan (5-6 GHz) (7x7x12) (9x9x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.135 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.272 W/kg

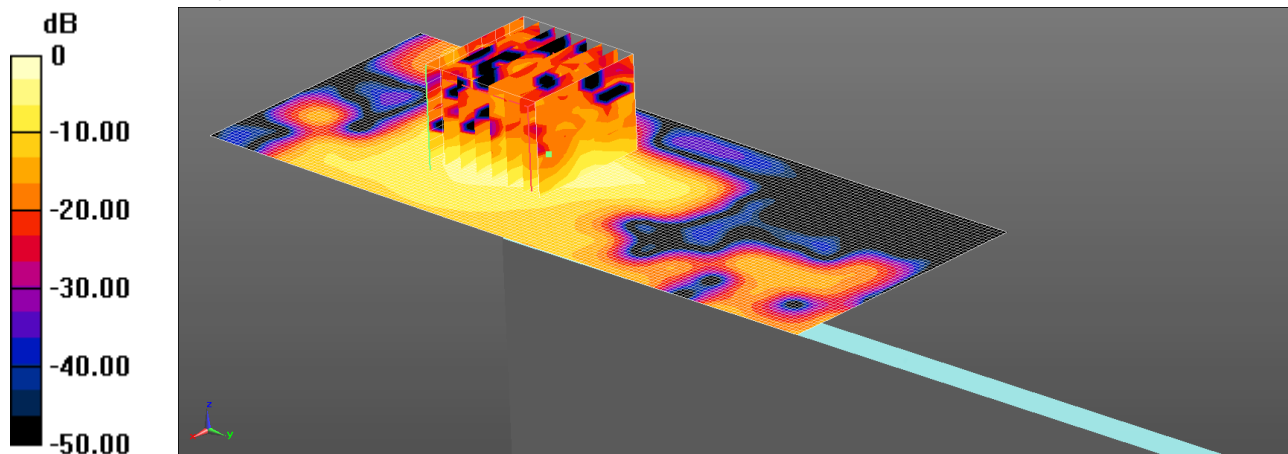
SAR(1 g) = 0.00235 W/kg; SAR(10 g) = 0.000942 W/kg

Maximum value of SAR (measured) = 0.272 W/kg

090: Left Of EUT Facing Phantom WiFi 802.11n HT40 Ant 1&2 13.5Mbps MIMO CH46

Date: 15/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.244 W/kg = -6.13 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5230 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5230$ MHz; $\sigma = 5.485$ S/m; $\epsilon_r = 47.47$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Left of EUT Facing Phantom/Area Scan 3 (61x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.122 W/kg

Configuration/Left of EUT Facing Phantom/Zoom Scan (5-6 GHz) (7x7x12) (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.200 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.461 W/kg

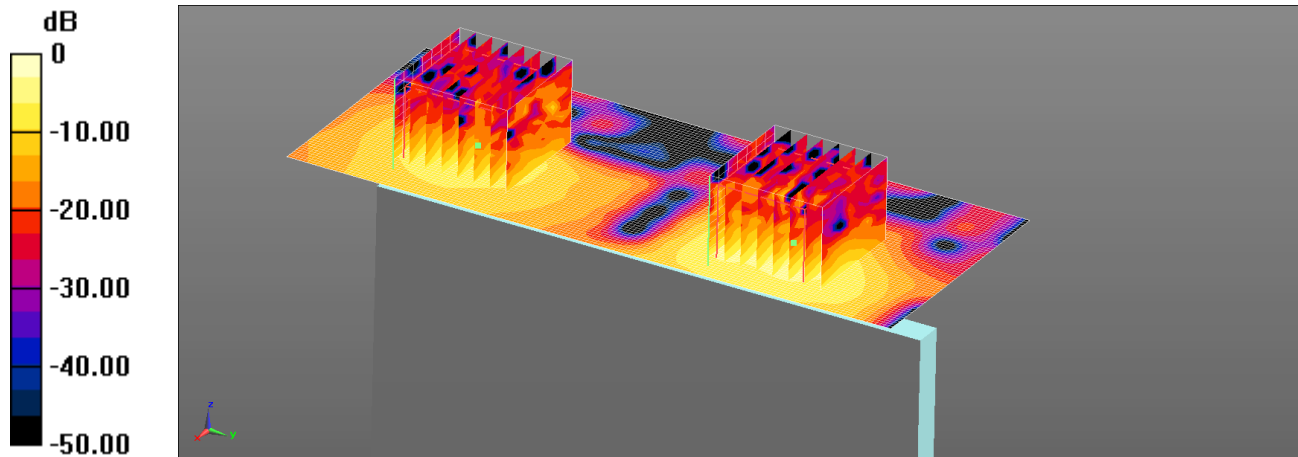
SAR(1 g) = 0.120 W/kg; SAR(10 g) = 0.044 W/kg

Maximum value of SAR (measured) = 0.244 W/kg

091: Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Ant 1&2 13.5Mbps MIMO CH46

Date: 15/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.12 W/kg = 0.49 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5230 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5230$ MHz; $\sigma = 5.485$ S/m; $\epsilon_r = 47.47$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Bottom of EUT Facing Phantom/Area Scan 3 (61x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.604 W/kg

Configuration/Bottom of EUT Facing Phantom/Zoom Scan (5-6 GHz) (7x7x12) (8x8x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 11.465 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 0.482 W/kg; SAR(10 g) = 0.149 W/kg

Maximum value of SAR (measured) = 0.989 W/kg

Configuration/Bottom of EUT Facing Phantom/Zoom Scan (5-6 GHz) (7x7x12) (8x8x12)/Cube 1:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 11.465 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.48 W/kg

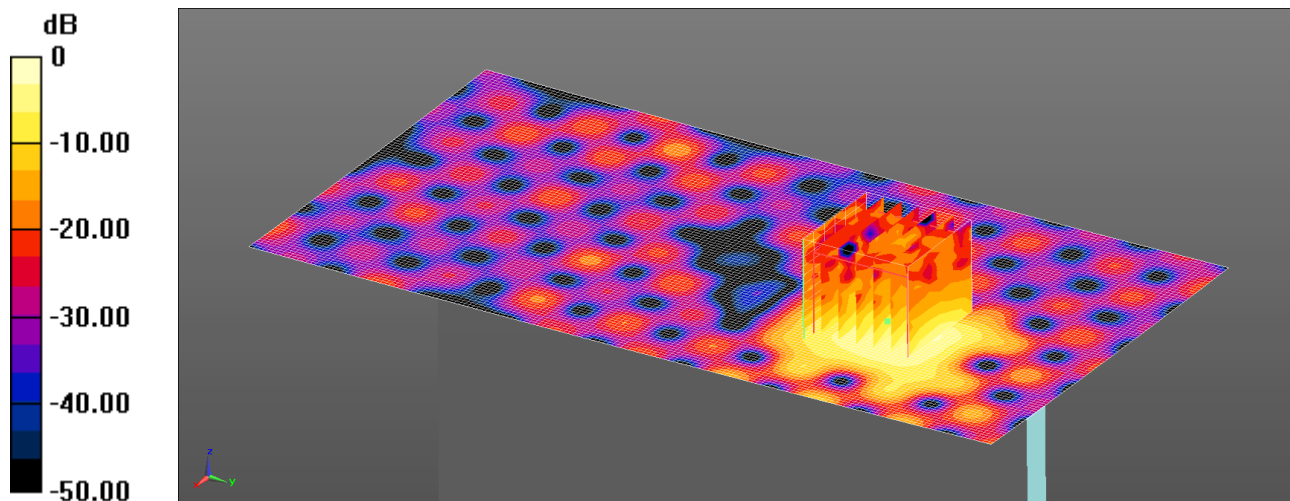
SAR(1 g) = 0.574 W/kg; SAR(10 g) = 0.194 W/kg

Maximum value of SAR (measured) = 1.12 W/kg

092: Bottom Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 6 Mbps SISO CH48 Variant 2

Date: 04/09/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.43 W/kg = 1.55 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): f = 5240 MHz; $\sigma = 5.447$ S/m; $\epsilon_r = 48.331$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Bottom of EUT Facing Phantom- Middle 2 2/Area Scan (91x171x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.19 W/kg

Configuration/Bottom of EUT Facing Phantom- Middle 2 2/Zoom Scan (5-6 GHz) (7x7x12) 2 2 2 2 (7x7x12)/Cube

0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 17.893 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.18 W/kg

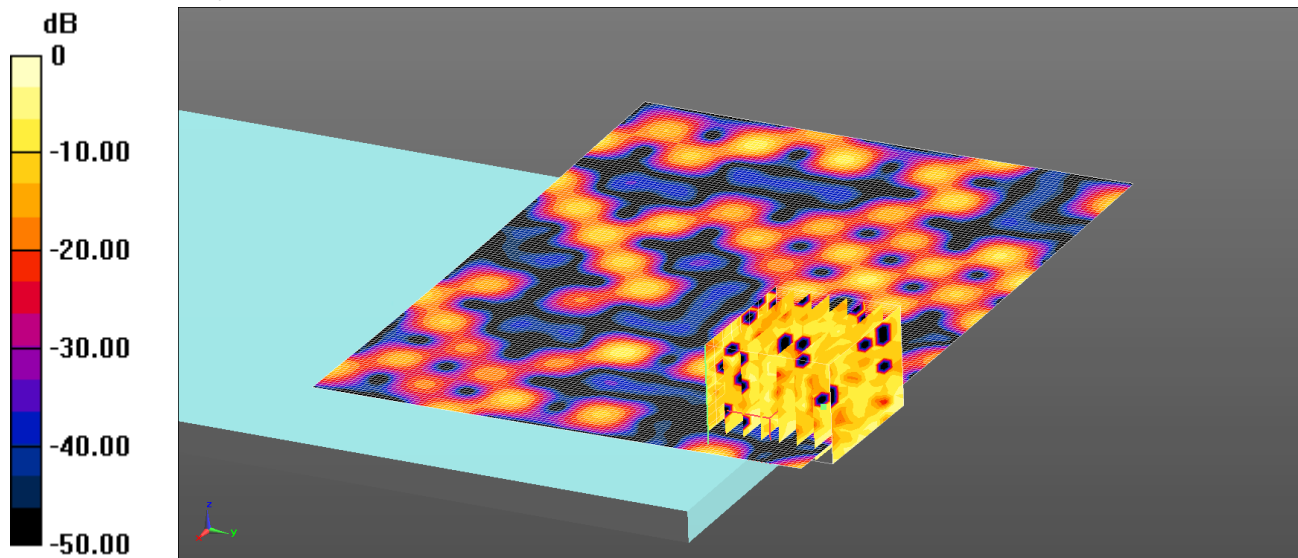
SAR(1 g) = 0.735 W/kg; SAR(10 g) = 0.230 W/kg

Maximum value of SAR (measured) = 1.43 W/kg

093: Back Of EUT Facing Phantom WiFi 802.11a Antenna 2 6 Mbps SISO CH52

Date: 27/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.120 W/kg = -9.21 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5260$ MHz; $\sigma = 5.505$ S/m; $\epsilon_r = 47.76$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.73, 4.73, 4.73); Calibrated: 07/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Back of EUT Facing Phantom - High/Area Scan (151x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0446 W/kg

Configuration/Back of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (9x8x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.999 V/m; Power Drift = 2.74 dB

Peak SAR (extrapolated) = 0.180 W/kg

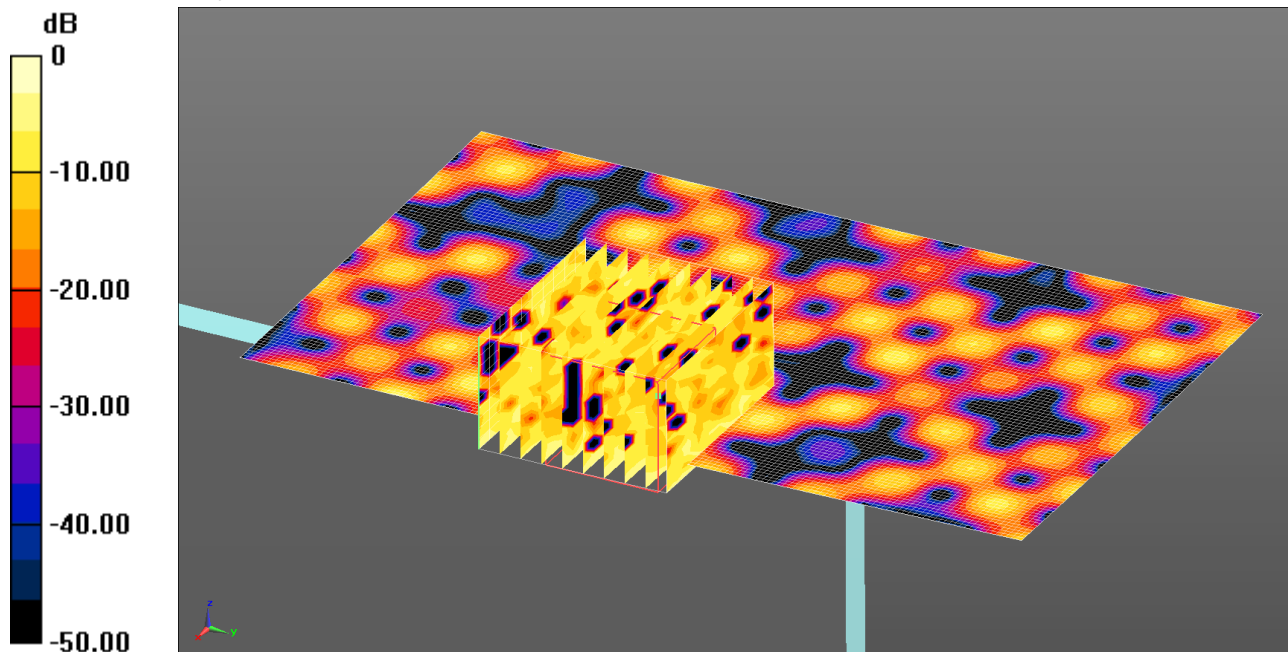
SAR(1 g) = 0.021 W/kg

Maximum value of SAR (measured) = 0.120 W/kg

094: Right Hand Side Of EUT Facing Phantom WiFi 802.11a Antenna 2 6 Mbps SISO CH52

Date: 27/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.120 W/kg = -9.21 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5260$ MHz; $\sigma = 5.505$ S/m; $\epsilon_r = 47.76$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.73, 4.73, 4.73); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Right of EUT Facing Phantom - High/Area Scan (91x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0547 W/kg

Configuration/Right of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 (11x10x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.842 V/m; Power Drift = -7.64 dB

Peak SAR (extrapolated) = 0.375 W/kg

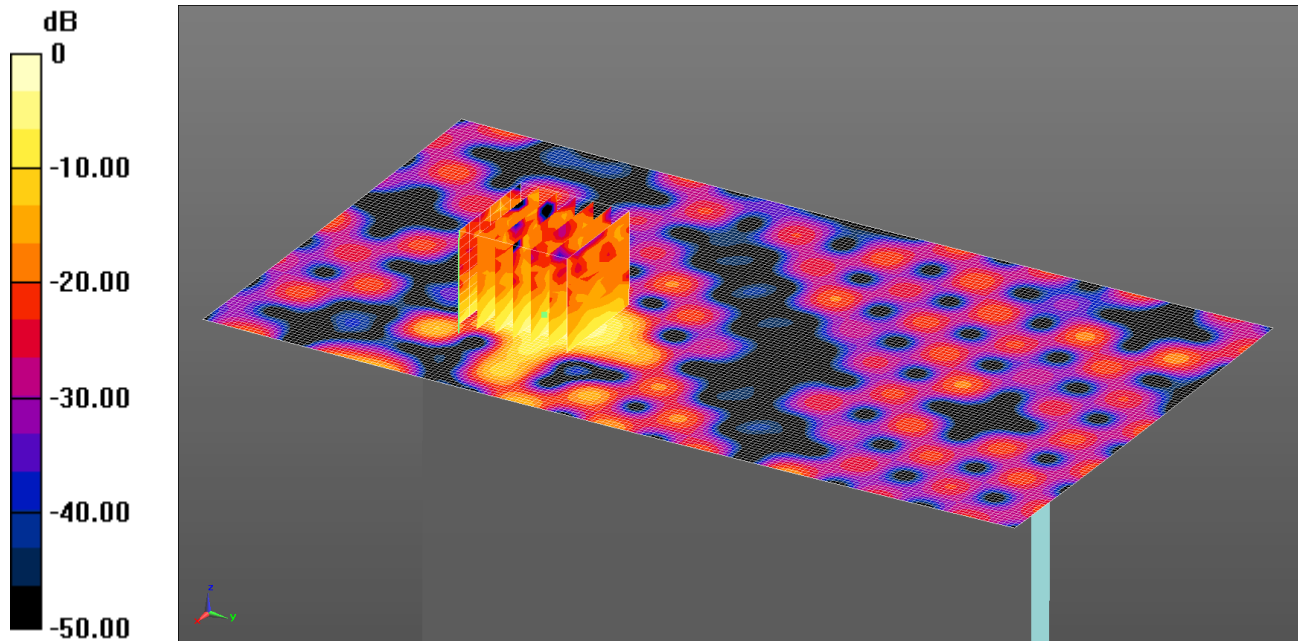
SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.00969 W/kg

Maximum value of SAR (measured) = 0.120 W/kg

095: Bottom Of EUT Facing Phantom WiFi 802.11a Antenna 2 6 Mbps SISO CH52

Date: 27/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.49 W/kg = 1.73 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5260$ MHz; $\sigma = 5.505$ S/m; $\epsilon_r = 47.76$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.73, 4.73, 4.73); Calibrated: 07/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Bottom of EUT Facing Phantom - High 2 2/Area Scan (101x181x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.95 W/kg

Configuration/Bottom of EUT Facing Phantom - High 2 2/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (7x7x12)/Cube

0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 16.344 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 2.49 W/kg

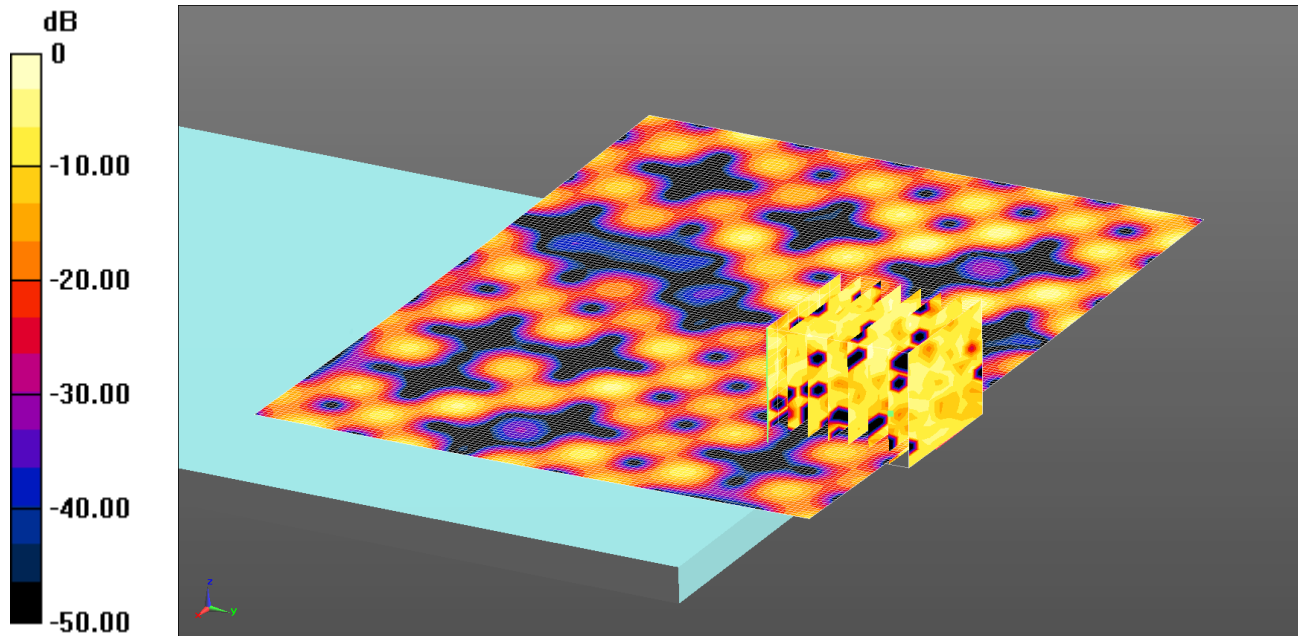
SAR(1 g) = 0.689 W/kg

Maximum value of SAR (measured) = 1.49 W/kg

096: Back Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 6.5Mbps SISO CH52

Date: 27/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0637 W/kg = -11.96 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5260$ MHz; $\sigma = 5.505$ S/m; $\epsilon_r = 47.76$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.73, 4.73, 4.73); Calibrated: 07/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Back of EUT Facing Phantom - High/Area Scan (151x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0328 W/kg

Configuration/Back of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (8x8x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.190 V/m; Power Drift = -3.88 dB

Peak SAR (extrapolated) = 0.107 W/kg

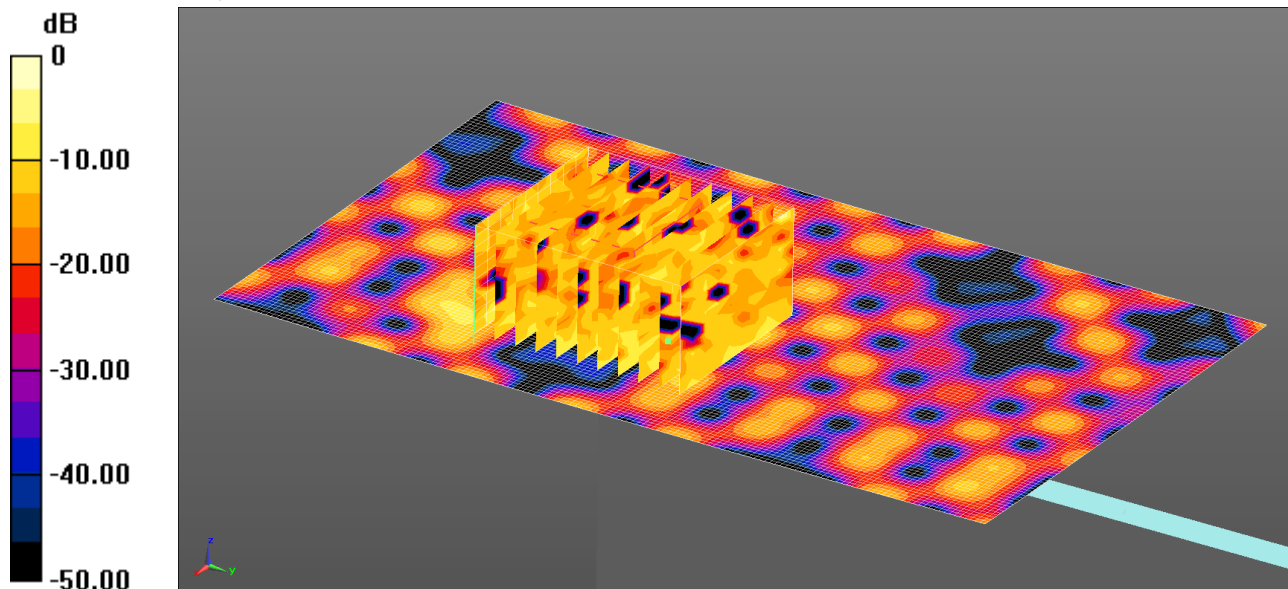
SAR(1 g) = 0.00487 W/kg

Maximum value of SAR (measured) = 0.0637 W/kg

097: Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 6.5Mbps SISO CH52

Date: 27/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.296 W/kg = -5.29 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5260$ MHz; $\sigma = 5.505$ S/m; $\epsilon_r = 47.76$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.73, 4.73, 4.73); Calibrated: 07/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Left of EUT Facing Phantom/Area Scan 3 2 (91x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0628 W/kg

Configuration/Left of EUT Facing Phantom/Zoom Scan (5-6 GHz) (7x7x12) 2 (10x11x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.813 V/m; Power Drift = 2.68 dB

Peak SAR (extrapolated) = 0.296 W/kg

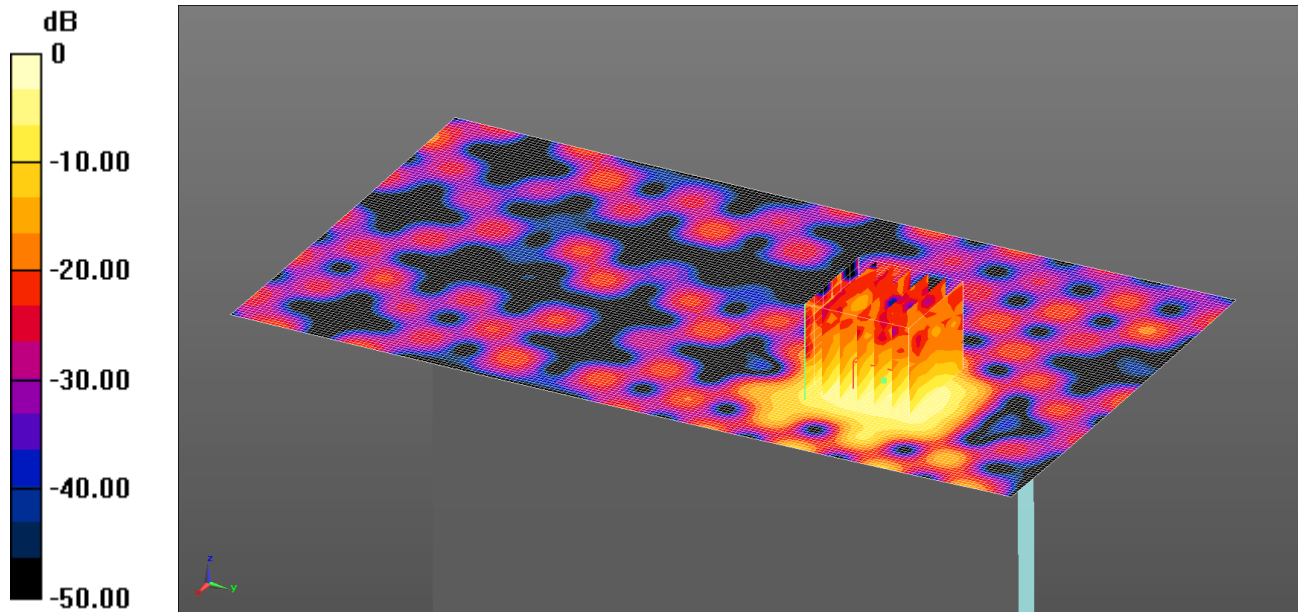
SAR(1 g) = 0.055 W/kg; SAR(10 g) = 0.020 W/kg

Maximum value of SAR (measured) = 0.296 W/kg

098: Bottom Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 6.5Mbps SISO CH52

Date: 27/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.45 W/kg = 1.61 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5260$ MHz; $\sigma = 5.505$ S/m; $\epsilon_r = 47.76$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.73, 4.73, 4.73); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Bottom of EUT Facing Phantom - High 2 2/Area Scan (101x181x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.05 W/kg

Configuration/Bottom of EUT Facing Phantom - High 2 2/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (7x7x12)/Cube**0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.058 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 3.21 W/kg

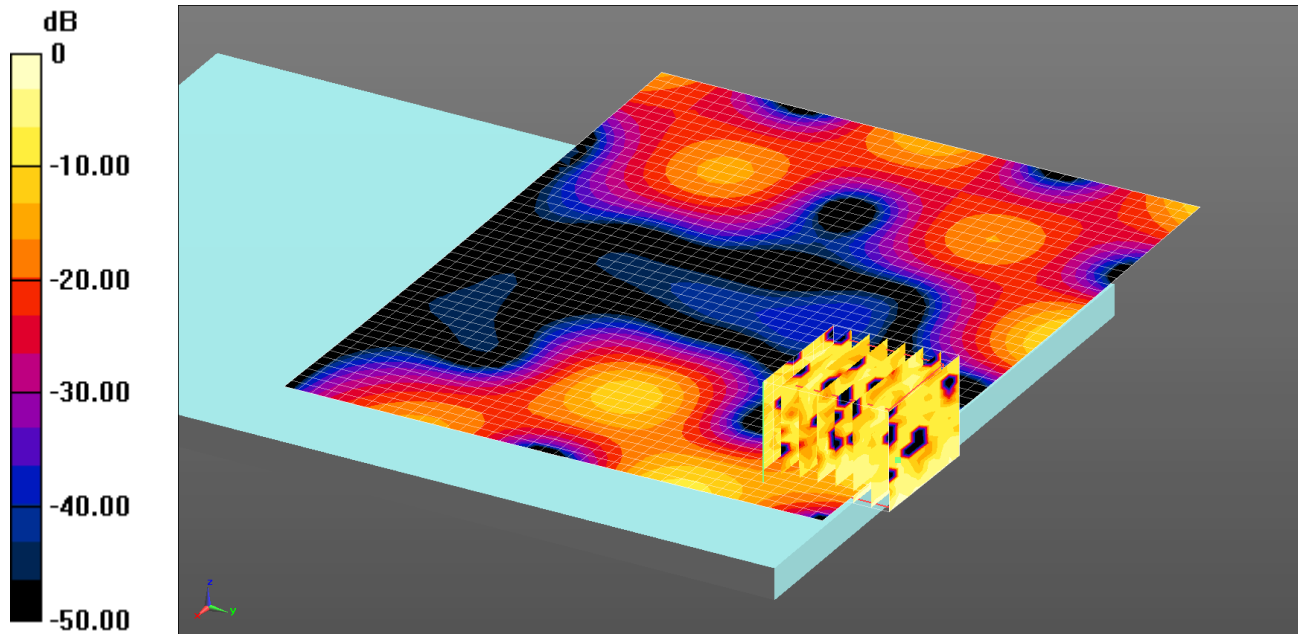
SAR(1 g) = 0.751 W/kg

Maximum value of SAR (measured) = 1.45 W/kg

099: Back Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 2 6.5Mbps SISO CH52

Date: 28/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0916 W/kg = -10.38 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5260$ MHz; $\sigma = 5.505$ S/m; $\epsilon_r = 47.76$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.73, 4.73, 4.73); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Back of EUT Facing Phantom - High/Area Scan 2 (51x41x1): Interpolated grid: dx=3.000 mm, dy=3.000 mm

Maximum value of SAR (interpolated) = 0.0426 W/kg

Configuration/Back of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (8x8x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

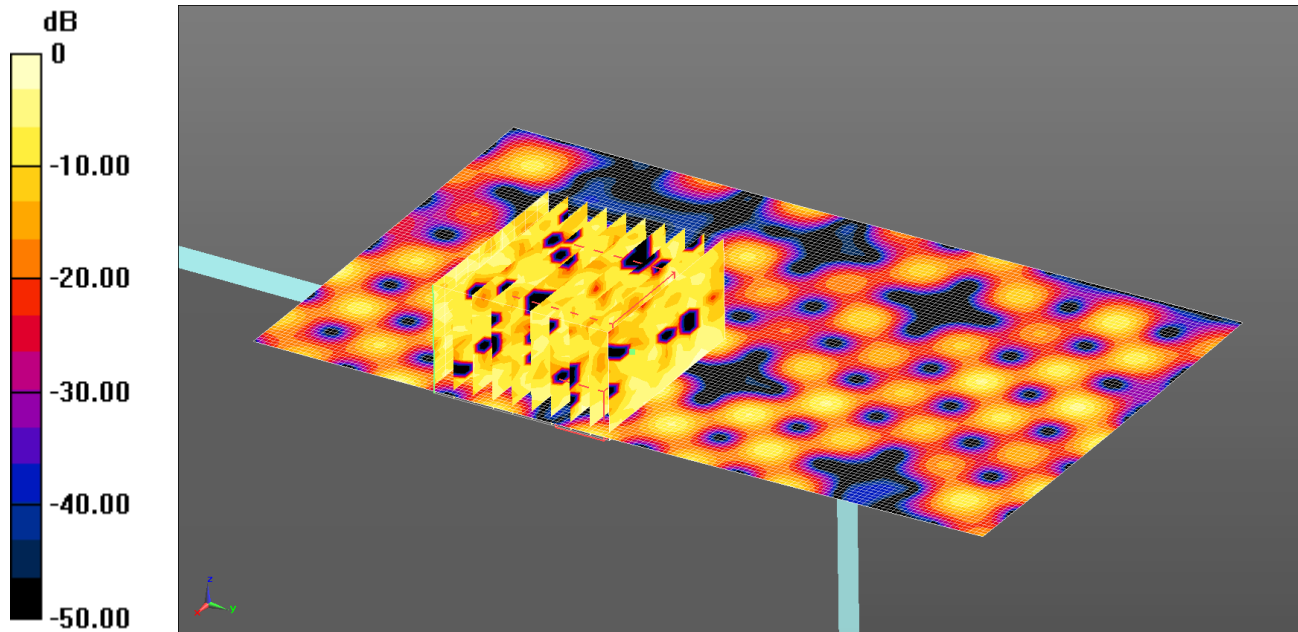
Reference Value = 0.406 V/m; Power Drift = 19.49 dB

Peak SAR (extrapolated) = 0.252 W/kg

SAR(1 g) = 0.027 W/kg; SAR(10 g) = 0.00855 W/kg

Maximum value of SAR (measured) = 0.0916 W/kg

100: Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 2 6.5Mbps SISO CH52
 Date: 28/08/2014
 DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0884 W/kg = -10.54 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5260 MHz; Duty Cycle: 1:1
 Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): f = 5260 MHz; $\sigma = 5.505$ S/m; $\epsilon_r = 47.76$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section
 DASY4 Configuration:
 - Probe: EX3DV4 - SN3994; ConvF(4.73, 4.73, 4.73); Calibrated: 07/05/2014;
 - Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
 - Electronics: DAE3 Sn431; Calibrated: 18/11/2013
 - Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
 - ; SEMCAD X Version 14.6.10 (7164)

Configuration/Right of EUT Facing Phantom/Area Scan 3 2 (91x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0468 W/kg

Configuration/Right of EUT Facing Phantom/Zoom Scan (5-6 GHz) (7x7x12) 2 (11x10x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.932 V/m; Power Drift = -0.53 dB

Peak SAR (extrapolated) = 0.329 W/kg

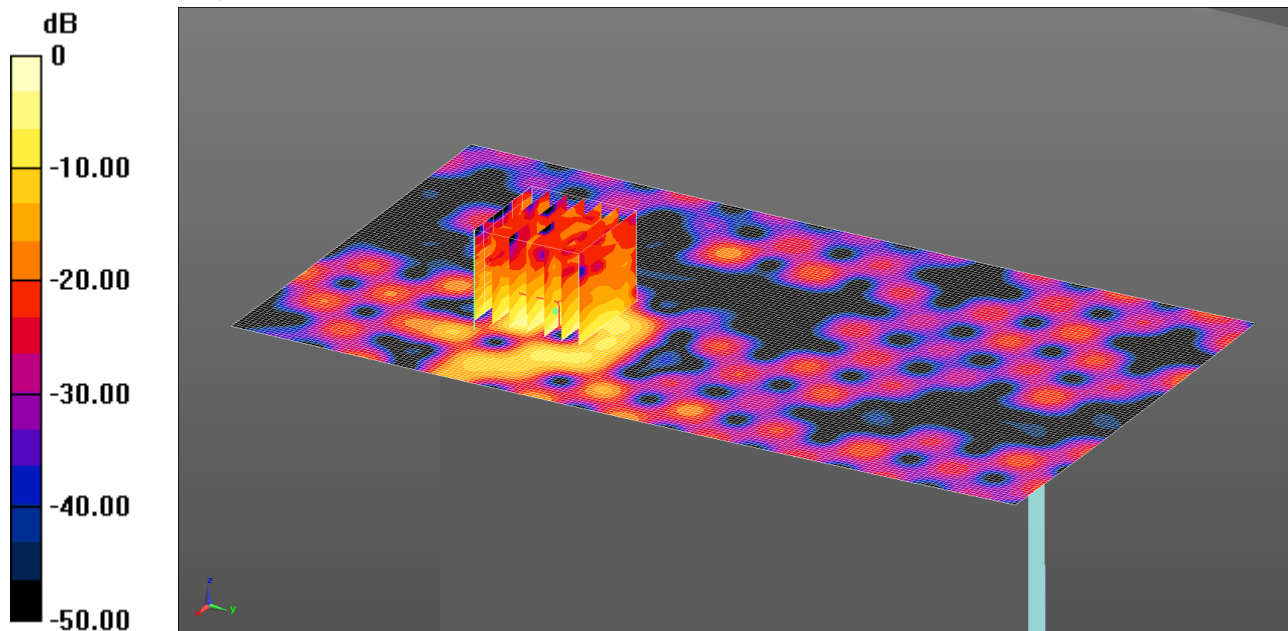
SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.00701 W/kg

Maximum value of SAR (measured) = 0.0884 W/kg

101: Bottom Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 2 6.5Mbps SISO CH52

Date: 28/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.62 W/kg = 2.10 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5260$ MHz; $\sigma = 5.505$ S/m; $\epsilon_r = 47.76$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.73, 4.73, 4.73); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Bottom of EUT Facing Phantom - High 2 2/Area Scan (101x181x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.879 W/kg

Configuration/Bottom of EUT Facing Phantom - High 2 2/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (7x7x12)/Cube

0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 17.715 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 2.76 W/kg

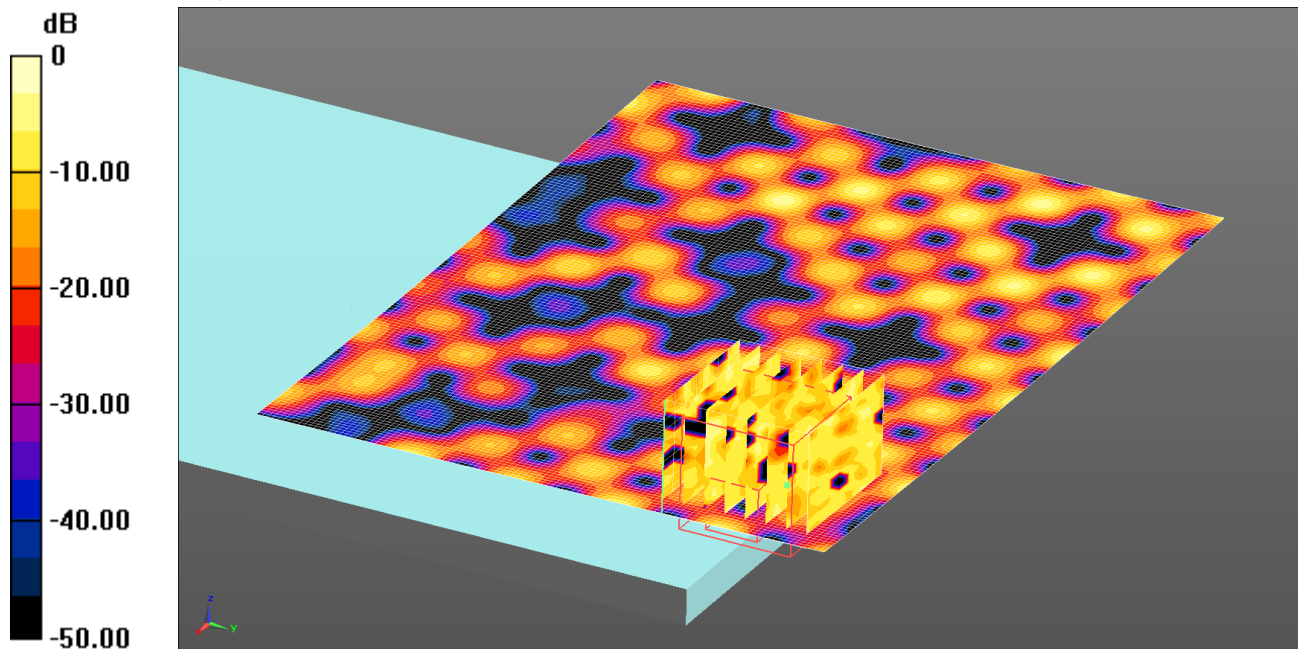
SAR(1 g) = 0.761 W/kg

Maximum value of SAR (measured) = 1.62 W/kg

102: Back Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 & 2 6.5Mbps MIMO CH60

Date: 28/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0894 W/kg = -10.49 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used: $f = 5300$ MHz; $\sigma = 5.522$ S/m; $\epsilon_r = 47.677$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.73, 4.73, 4.73); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Back of EUT Facing Phantom - High/Area Scan (151x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0416 W/kg

Configuration/Back of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (8x8x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.475 V/m; Power Drift = -0.46 dB

Peak SAR (extrapolated) = 0.173 W/kg

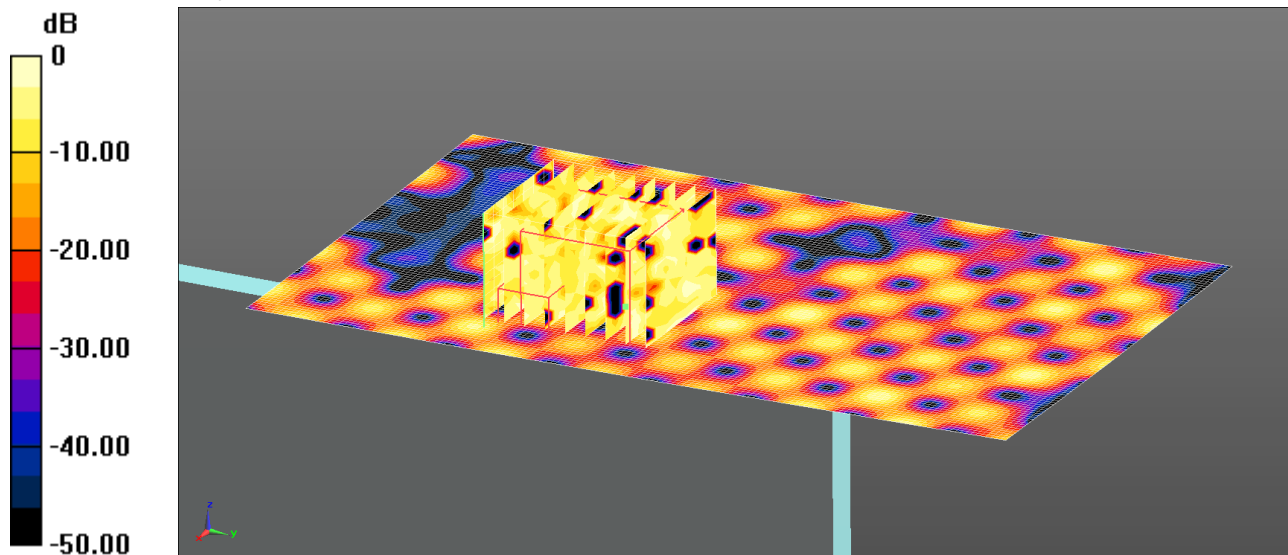
SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.0043 W/kg

Maximum value of SAR (measured) = 0.0894 W/kg

103: Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 & 2 6.5Mbps MIMO CH60

Date: 28/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0487 W/kg = -13.12 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used: $f = 5300$ MHz; $\sigma = 5.522$ S/m; $\epsilon_r = 47.677$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.73, 4.73, 4.73); Calibrated: 07/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Right of EUT Facing Phantom/Area Scan 3 2 (91x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0234 W/kg

Configuration/Right of EUT Facing Phantom/Zoom Scan (5-6 GHz) (7x7x12) 2 (8x9x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.150 V/m; Power Drift = 1.38 dB

Peak SAR (extrapolated) = 0.236 W/kg

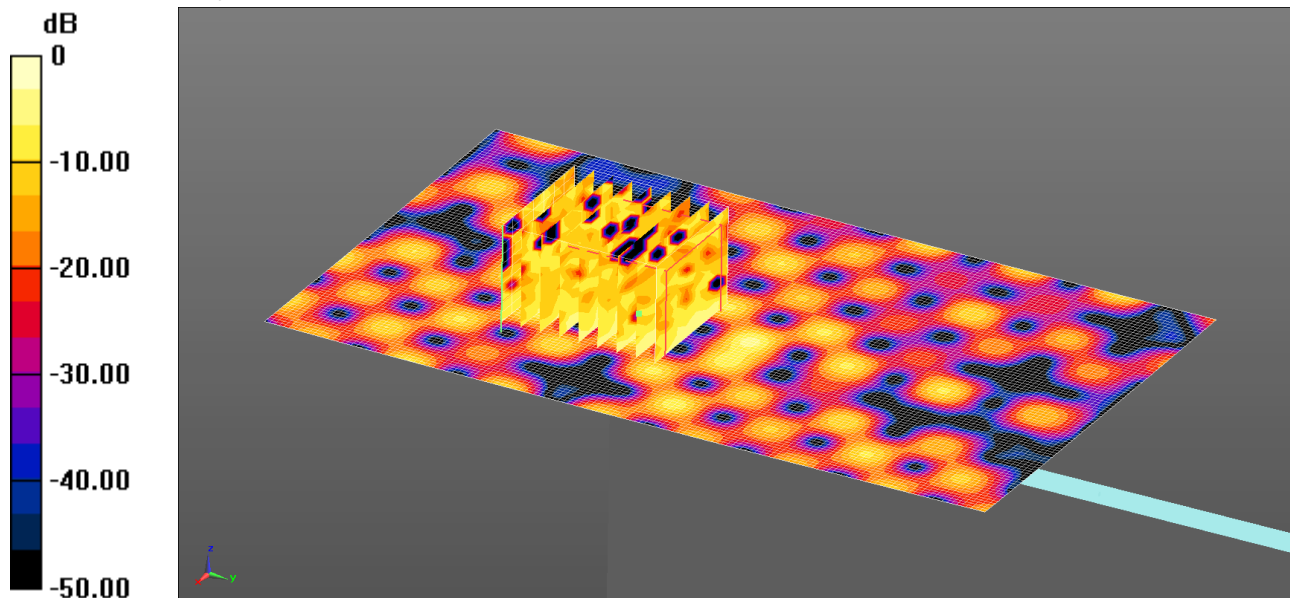
SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00581 W/kg

Maximum value of SAR (measured) = 0.0487 W/kg

104: Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 & 2 6.5Mbps MIMO CH60

Date: 28/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.177 W/kg = -7.52 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used: $f = 5300$ MHz; $\sigma = 5.522$ S/m; $\epsilon_r = 47.677$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.73, 4.73, 4.73); Calibrated: 07/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Left of EUT Facing Phantom/Area Scan 3 2 (91x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.140 W/kg

Configuration/Left of EUT Facing Phantom/Zoom Scan (5-6 GHz) (7x7x12) 2 (8x9x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.182 V/m; Power Drift = 3.33 dB

Peak SAR (extrapolated) = 0.345 W/kg

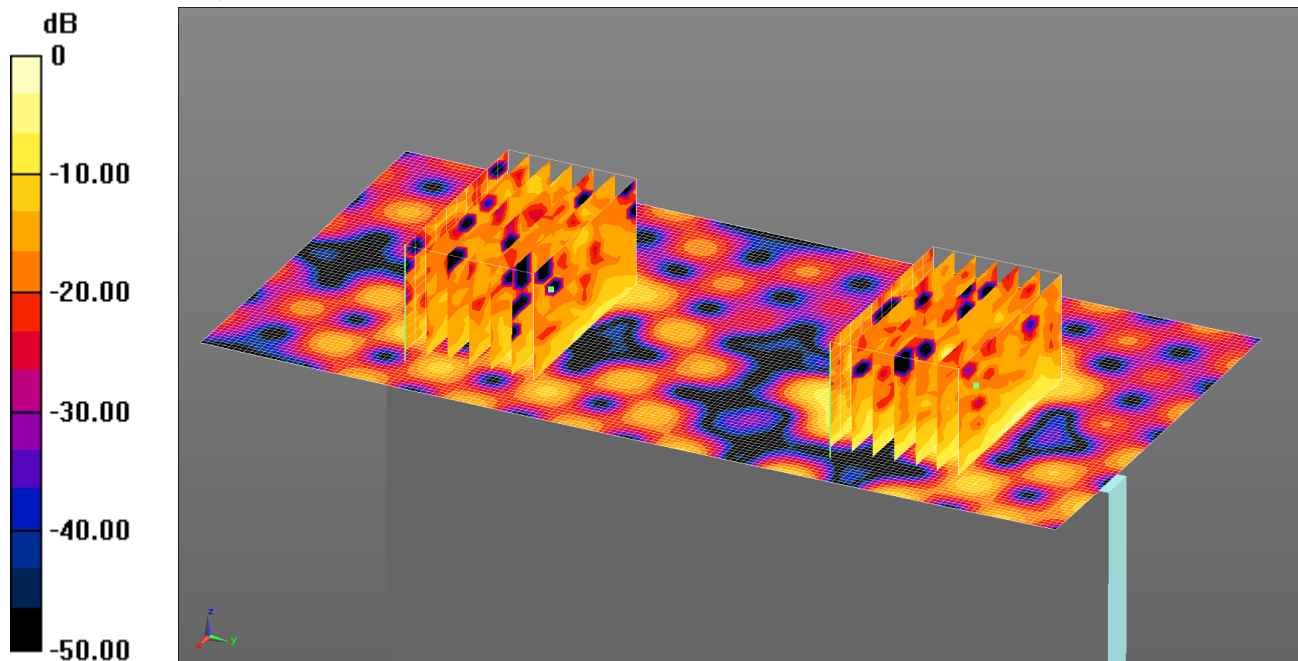
SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.027 W/kg

Maximum value of SAR (measured) = 0.177 W/kg

105: Bottom Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 & 2 6.5Mbps MIMO CH60

Date: 29/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.684 W/kg = -1.65 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used: $f = 5300$ MHz; $\sigma = 5.522$ S/m; $\epsilon_r = 47.677$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.73, 4.73, 4.73); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Bottom of EUT Facing Phantom/Area Scan (81x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.05 W/kg

Configuration/Bottom of EUT Facing Phantom/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (11x7x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 11.130 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.86 W/kg

SAR(1 g) = 0.680 W/kg

Maximum value of SAR (measured) = 1.31 W/kg

Configuration/Bottom of EUT Facing Phantom/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (11x7x12)/Cube 1:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 11.130 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.19 W/kg

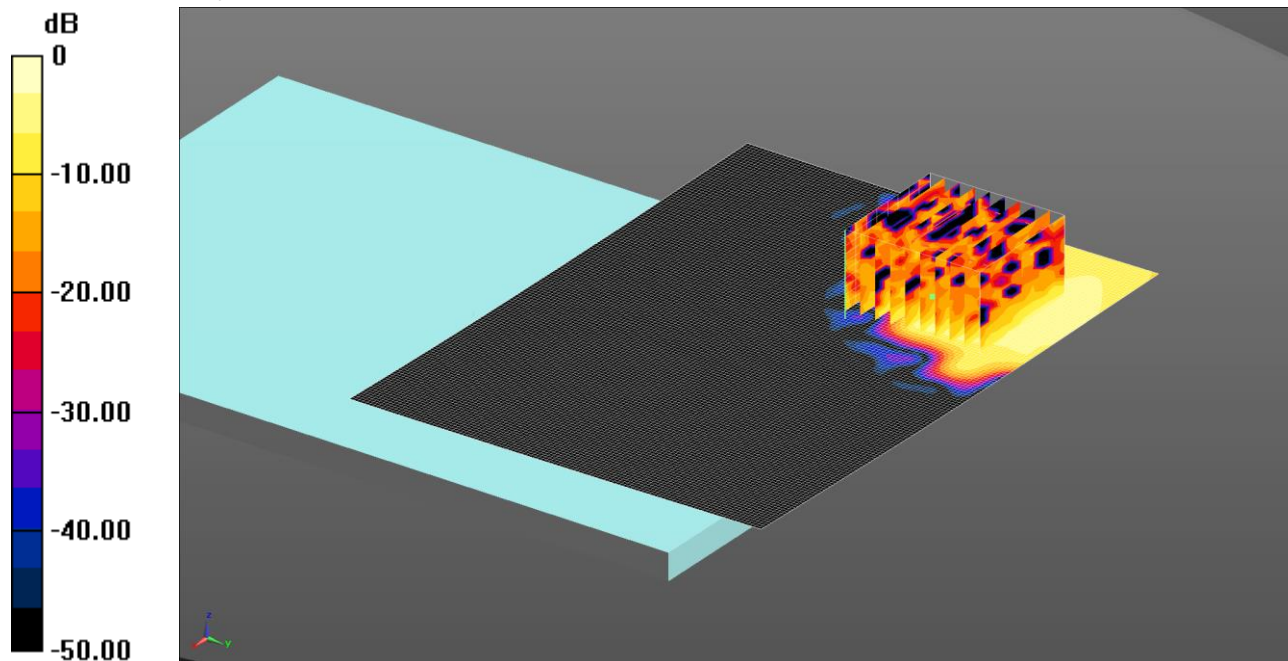
SAR(1 g) = 0.329 W/kg

Maximum value of SAR (measured) = 0.684 W/kg

106: Back Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13,5 Mbps SISO CH54

Date: 12/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.145 W/kg = -8.39 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5270 MHz;Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): f = 5270 MHz; $\sigma = 5.522$ S/m; $\epsilon_r = 47.87$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Back of EUT Facing Phantom - Low/Area Scan (151x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0964 W/kg

Configuration/Back of EUT Facing Phantom - Low/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (9x10x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.747 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.336 W/kg

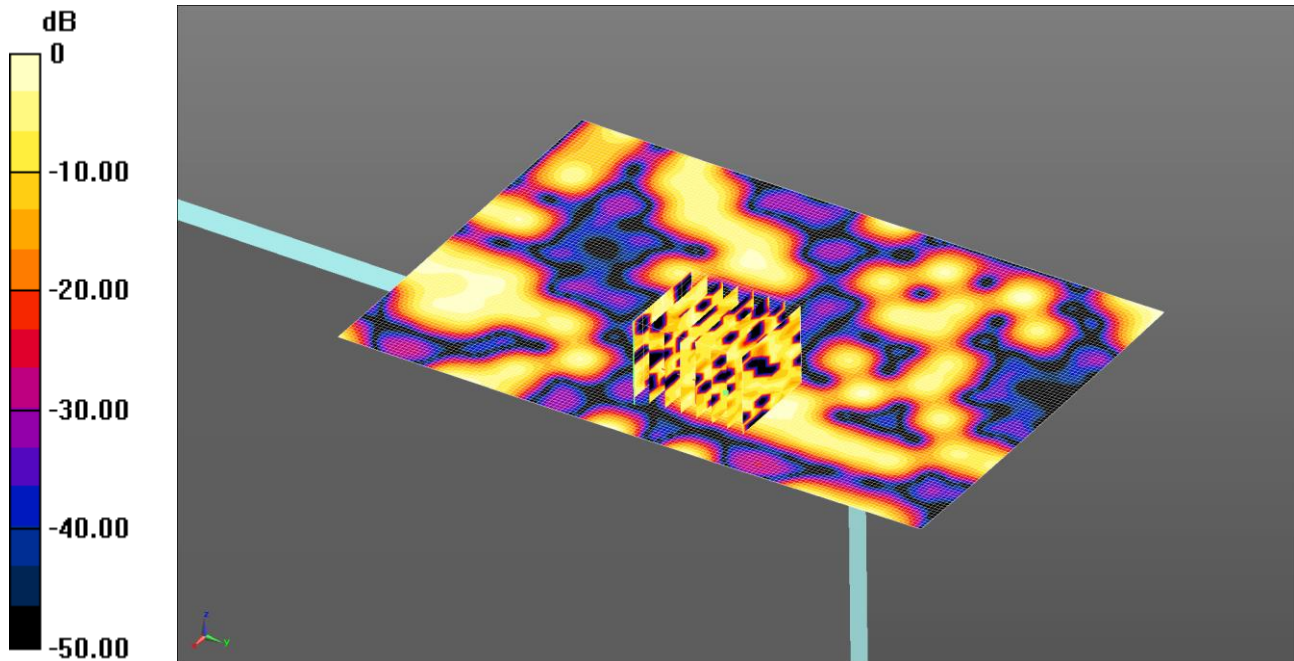
SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.026 W/kg

Maximum value of SAR (measured) = 0.145 W/kg

107: Left Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13,5 Mbps SISO CH54

Date: 19/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0163 W/kg = -17.88 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5270 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 5.48$ S/m; $\epsilon_r = 48.442$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.73, 4.73, 4.73); Calibrated: 07/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Left of EUT Facing Phantom - Low/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0202 W/kg

Configuration/Left of EUT Facing Phantom - Low/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (7x8x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.268 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.0210 W/kg

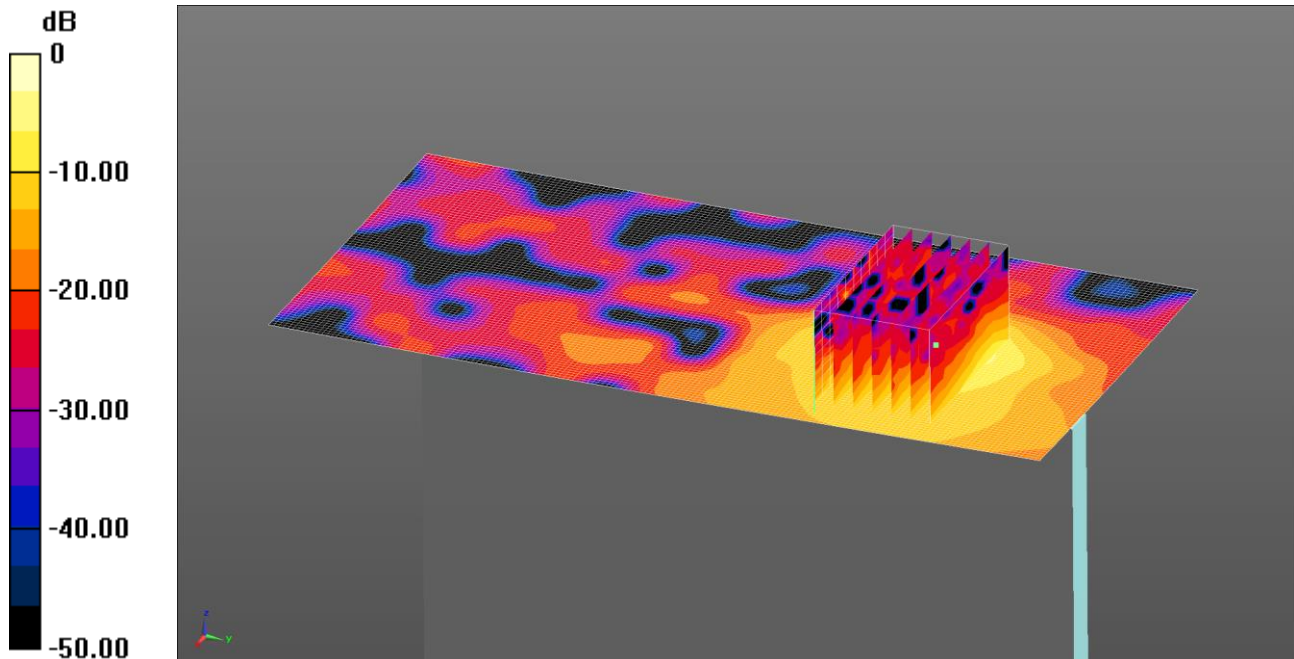
SAR(1 g) = 0.00114 W/kg

Maximum value of SAR (measured) = 0.0163 W/kg

108: Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13,5 Mbps SISO CH54

Date: 19/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.55 W/kg = 1.90 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5270 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 5.48$ S/m; $\epsilon_r = 48.442$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.73, 4.73, 4.73); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Bottom of EUT Facing Phantom - Low/Area Scan (81x161x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.766 W/kg

Configuration/Bottom of EUT Facing Phantom - Low/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (11x7x12)/Cube 0:Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 8.887 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.49 W/kg

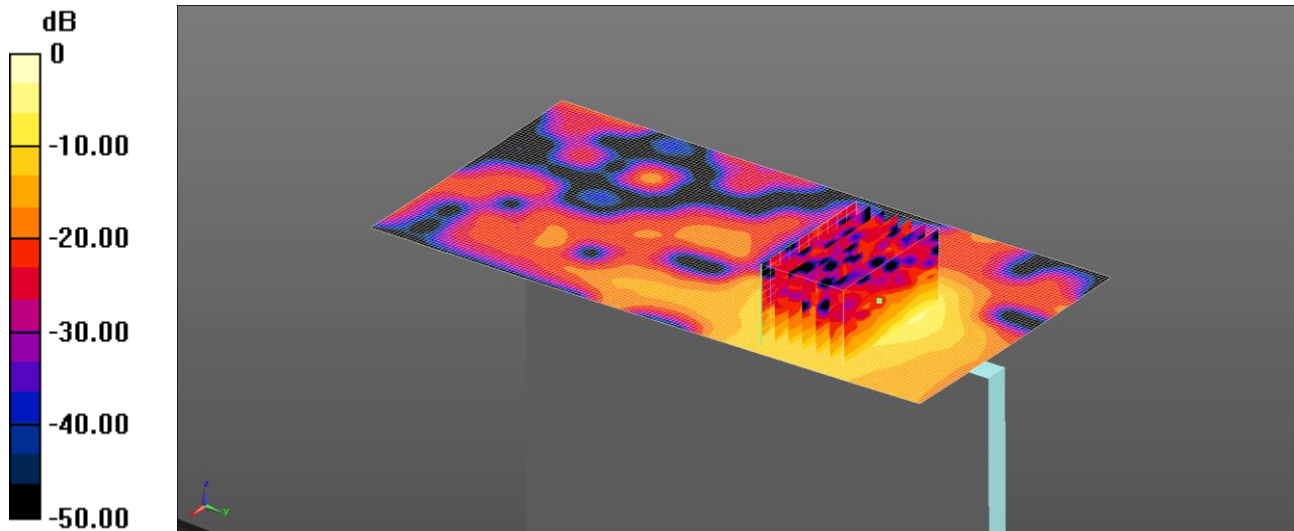
SAR(1 g) = 0.792 W/kg

Maximum value of SAR (measured) = 1.55 W/kg

109: Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13,5 Mbps SISO CH62

Date: 19/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.849 W/kg = -0.71 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5310 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5310$ MHz; $\sigma = 5.529$ S/m; $\epsilon_r = 48.341$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.73, 4.73, 4.73); Calibrated: 07/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Bottom of EUT Facing Phantom - Low/Area Scan (81x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.457 W/kg

Configuration/Bottom of EUT Facing Phantom - Low/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (11x7x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.904 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.98 W/kg

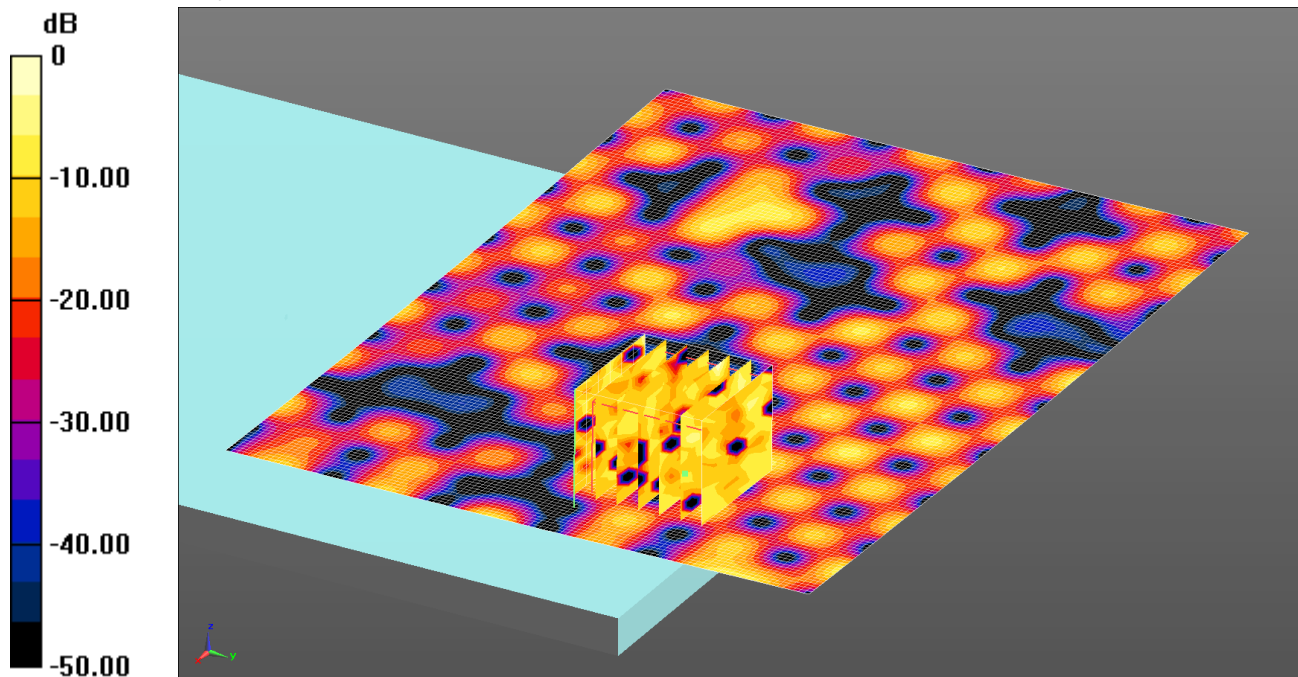
SAR(1 g) = 0.448 W/kg

Maximum value of SAR (measured) = 0.849 W/kg

110: Back Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 2 13,5 Mbps SISO CH54

Date: 29/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.133 W/kg = -8.76 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5270 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 5.509$ S/m; $\epsilon_r = 47.739$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Back of EUT Facing Phantom - Low/Area Scan (151x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0322 W/kg

Configuration/Back of EUT Facing Phantom - Low/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (7x7x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.503 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.141 W/kg

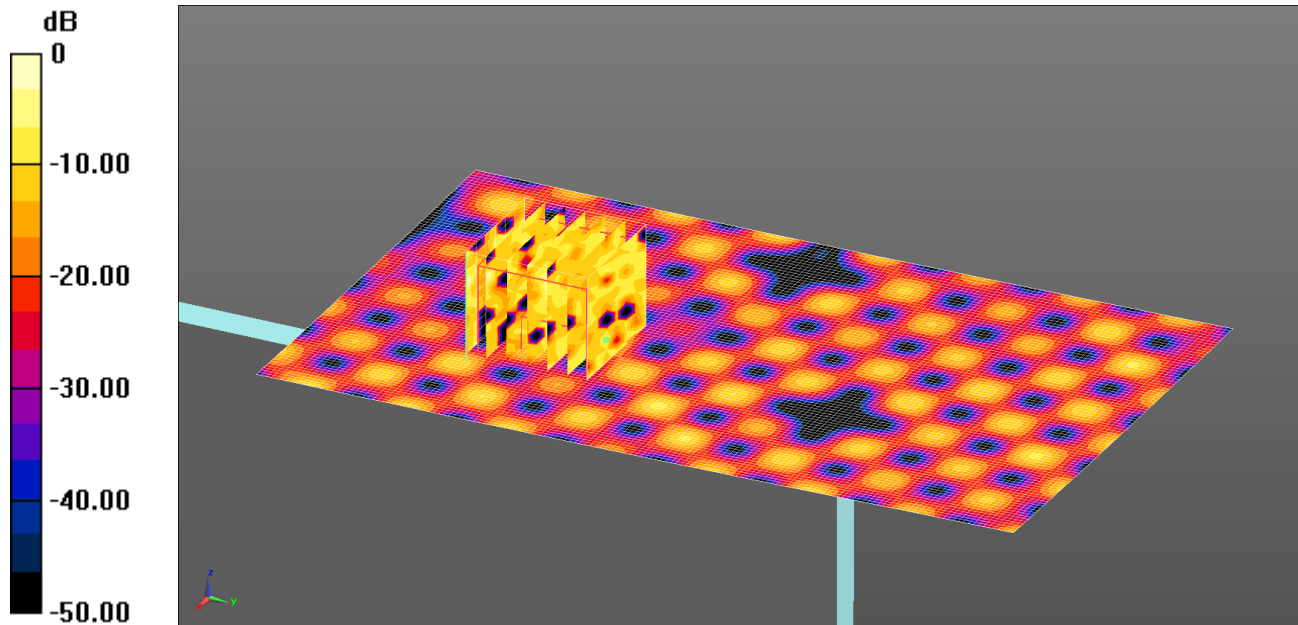
SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00384 W/kg

Maximum value of SAR (measured) = 0.133 W/kg

111: Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 2 13,5 Mbps SISO CH54

Date: 29/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.146 W/kg = -8.36 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5270 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 5.509$ S/m; $\epsilon_r = 47.739$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Right of EUT Facing Phantom/Area Scan 3 2 (91x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0278 W/kg

Configuration/Right of EUT Facing Phantom/Zoom Scan (5-6 GHz) (7x7x12) 2 (7x7x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.047 V/m; Power Drift = -1.55 dB

Peak SAR (extrapolated) = 0.188 W/kg

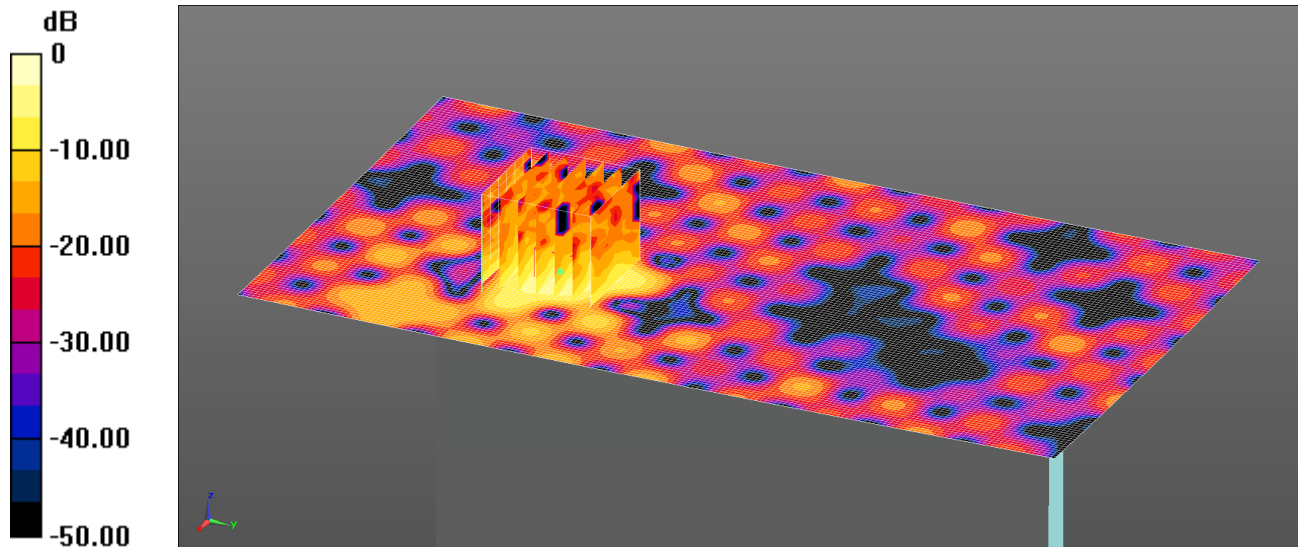
SAR(1 g) = 0.012 W/kg; SAR(10 g) = 0.00404 W/kg

Maximum value of SAR (measured) = 0.146 W/kg

112: Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 2 13,5 Mbps SISO CH54

Date: 29/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.897 W/kg = -0.47 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5270 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 5.509$ S/m; $\epsilon_r = 47.739$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Bottom of EUT Facing Phantom - High 2 2/Area Scan (101x181x1): Interpolated grid:

$dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.543 W/kg

Configuration/Bottom of EUT Facing Phantom - High 2 2/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (7x7x12)/Cube

0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 12.180 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 2.80 W/kg

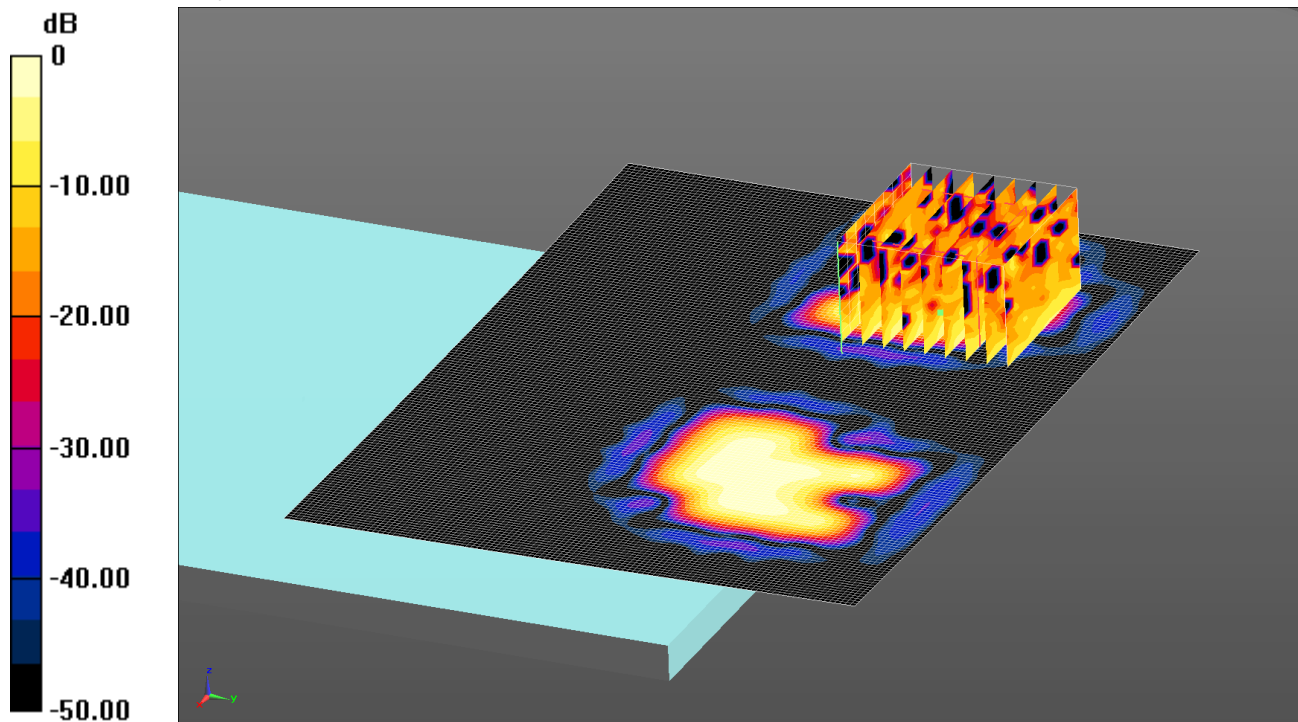
SAR(1 g) = 0.474 W/kg

Maximum value of SAR (measured) = 0.897 W/kg

113: Back Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1&2 13,5 Mbps MIMO CH54

Date: 13/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0907 W/kg = -10.42 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5270 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 5.522$ S/m; $\epsilon_r = 47.87$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Back of EUT Facing Phantom - Low/Area Scan (151x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.133 W/kg

Configuration/Back of EUT Facing Phantom - Low/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (9x9x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.857 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.163 W/kg

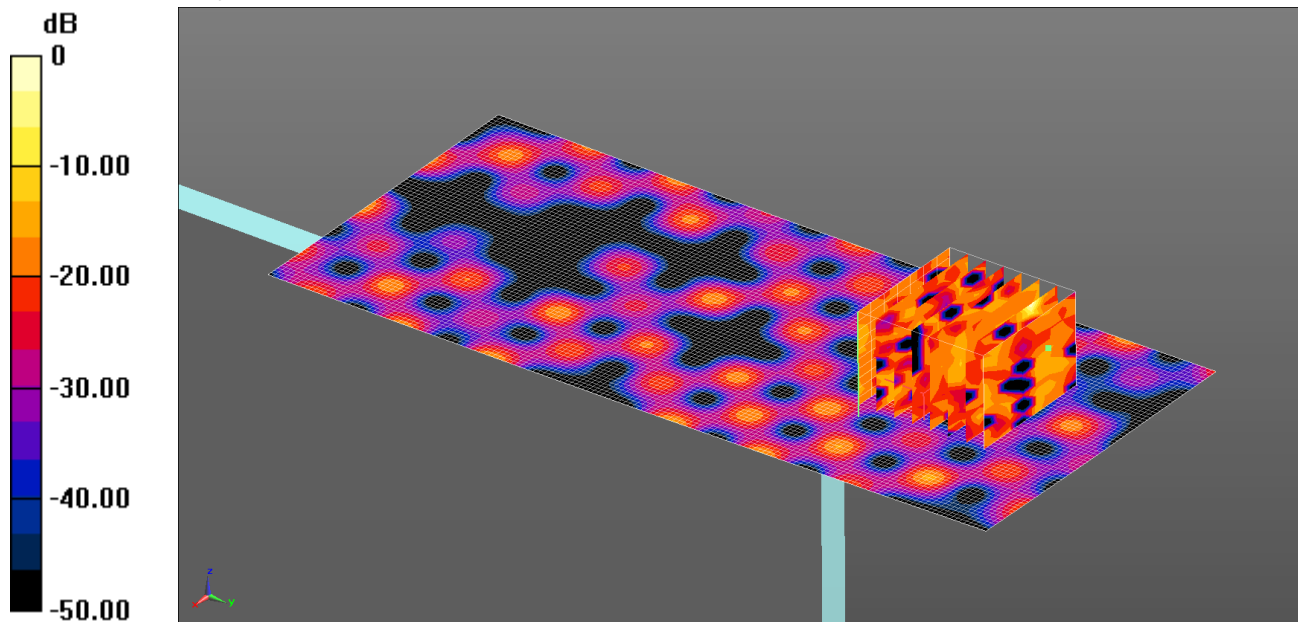
SAR(1 g) = 0.045 W/kg; SAR(10 g) = 0.017 W/kg

Maximum value of SAR (measured) = 0.0907 W/kg

114: Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1&2 13,5 Mbps MIMO CH54

Date: 14/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.782 W/kg = -1.07 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5270 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 5.536$ S/m; $\epsilon_r = 47.389$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Right Hand Side of EUT Facing Phantom - Low 2/Area Scan (71x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0295 W/kg

Configuration/Right Hand Side of EUT Facing Phantom - Low 2/Zoom Scan (5-6 GHz) (7x7x12) 2 2**(8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.092 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.782 W/kg

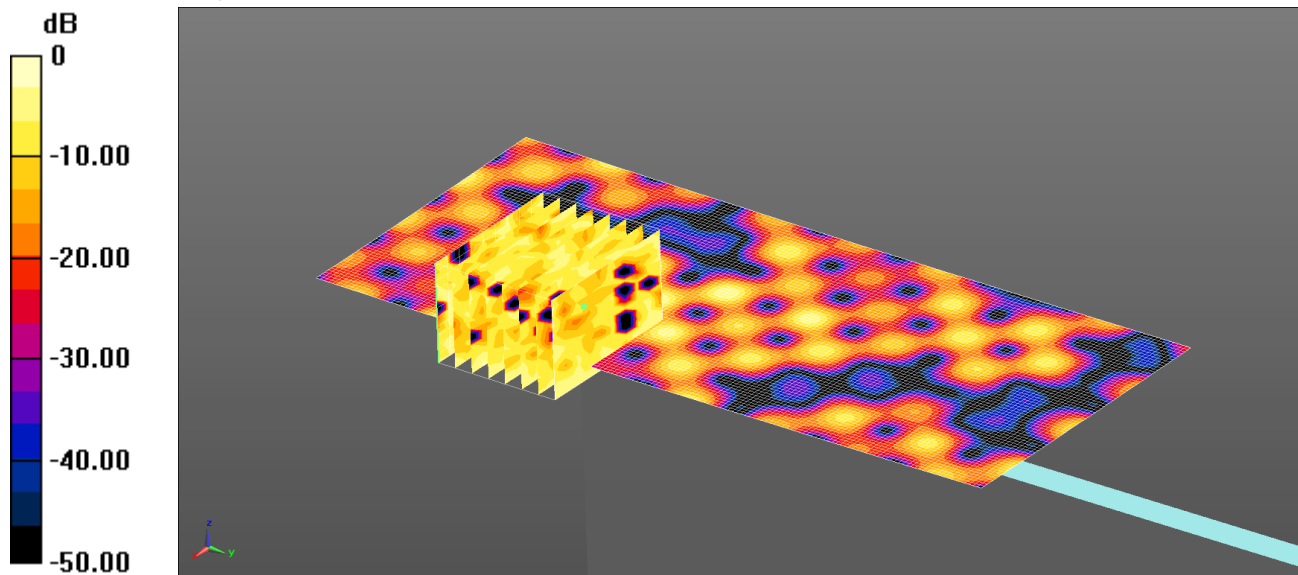
SAR(1 g) = 0.00746 W/kg

Maximum value of SAR (measured) = 0.782 W/kg

115: Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1&2 13,5 Mbps MIMO CH54

Date: 14/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0975 W/kg = -10.11 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5270 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 5.536$ S/m; $\epsilon_r = 47.389$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Left Hand Side of EUT Facing Phantom - Low 2/Area Scan (71x161x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0561 W/kg

Configuration/Left Hand Side of EUT Facing Phantom - Low 2/Zoom Scan (5-6 GHz) (7x7x12) 2 2**(10x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.468 V/m; Power Drift = 1.34 dB

Peak SAR (extrapolated) = 0.207 W/kg

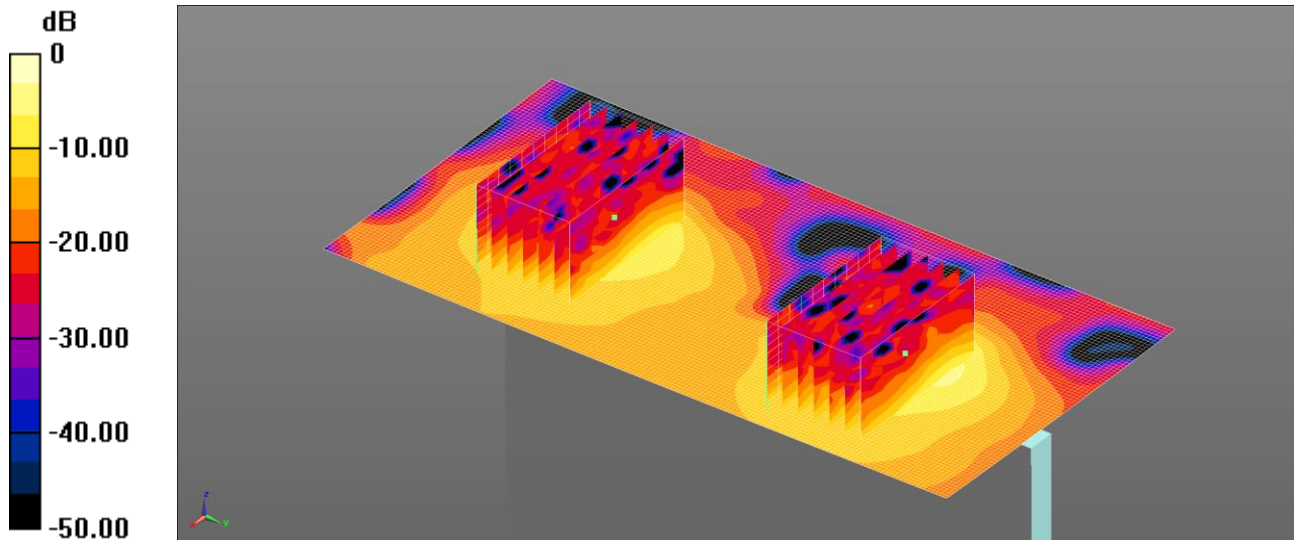
SAR(1 g) = 0.029 W/kg

Maximum value of SAR (measured) = 0.0975 W/kg

116: Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1&2 13,5 Mbps MIMO CH54

Date: 18/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.16 W/kg = 0.64 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5270 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 5.48$ S/m; $\epsilon_r = 48.442$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.73, 4.73, 4.73); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Bottom of EUT Facing Phantom - Low/Area Scan (81x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.597 W/kg

Configuration/Bottom of EUT Facing Phantom - Low/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (11x7x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.810 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.51 W/kg

SAR(1 g) = 0.592 W/kg

Maximum value of SAR (measured) = 1.16 W/kg

Configuration/Bottom of EUT Facing Phantom - Low/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (11x7x12)/Cube 1:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.810 V/m; Power Drift = 0.06 dB

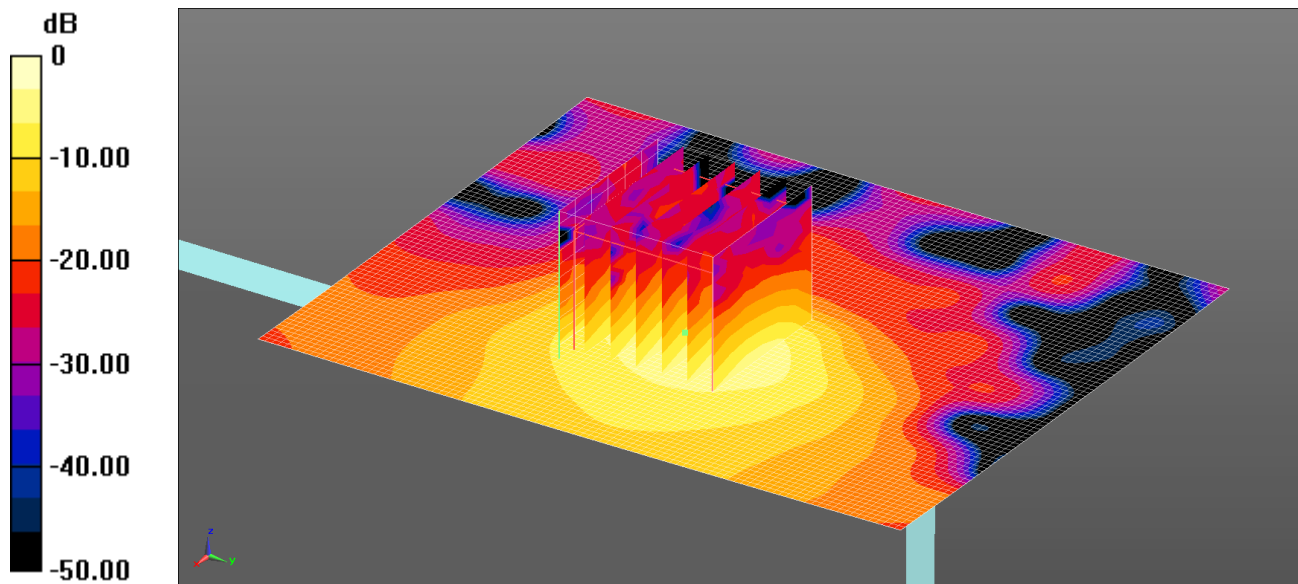
Peak SAR (extrapolated) = 2.80 W/kg

SAR(1 g) = 0.575 W/kg

117: Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13,5 Mbps SISO CH54 Variant 2

Date: 04/09/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.51 W/kg = 1.79 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5270 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 5.484$ S/m; $\epsilon_r = 48.289$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.73, 4.73, 4.73); Calibrated: 07/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Bottom of EUT Facing Phantom - Low 2/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.738 W/kg

Configuration/Bottom of EUT Facing Phantom - Low 2/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (7x7x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 11.845 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 3.38 W/kg

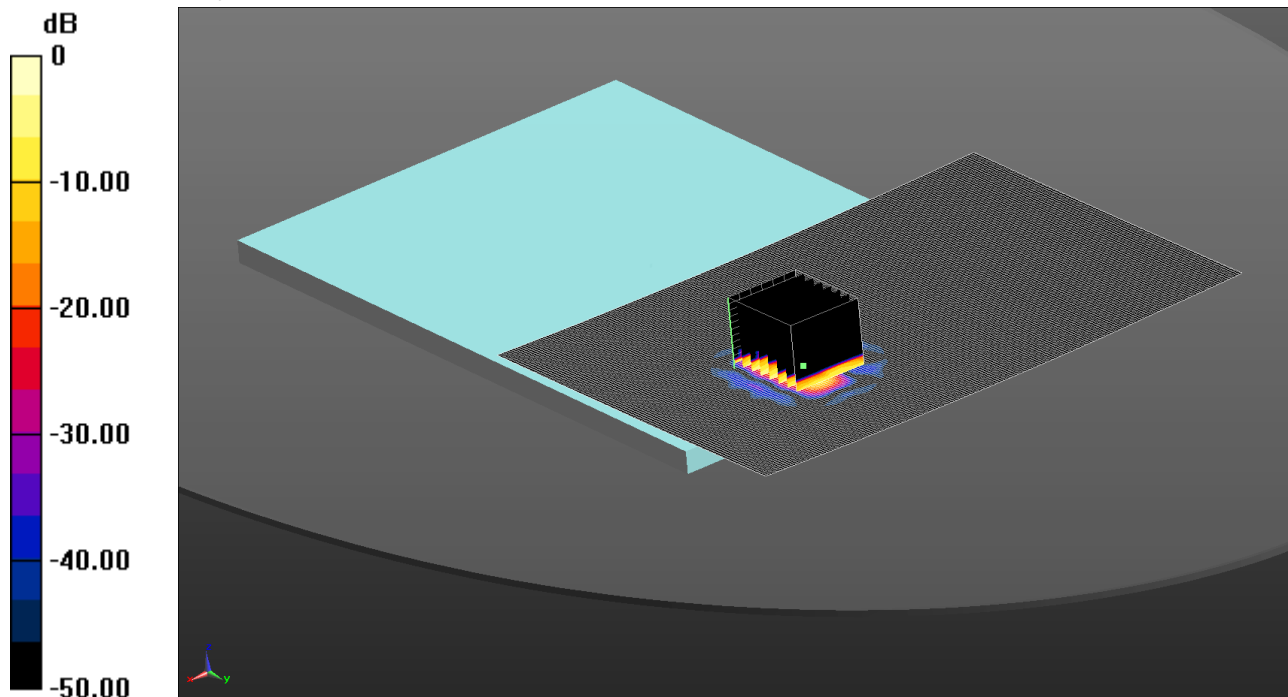
SAR(1 g) = 0.788 W/kg; SAR(10 g) = 0.266 W/kg

Maximum value of SAR (measured) = 1.51 W/kg

118: Back Of EUT Facing Phantom WiFi 802.11a 6Mbps SISO Ant 2 CH116

Date: 19/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.134 W/kg = -8.73 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5580$ MHz; $\sigma = 5.846$ S/m; $\epsilon_r = 46.636$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(3.74, 3.74, 3.74); Calibrated: 24/9/2013;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014

- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Back of EUT Facing Phantom - High/Area Scan (171x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.106 W/kg

Configuration/Back of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (7x8x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.383 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.311 W/kg

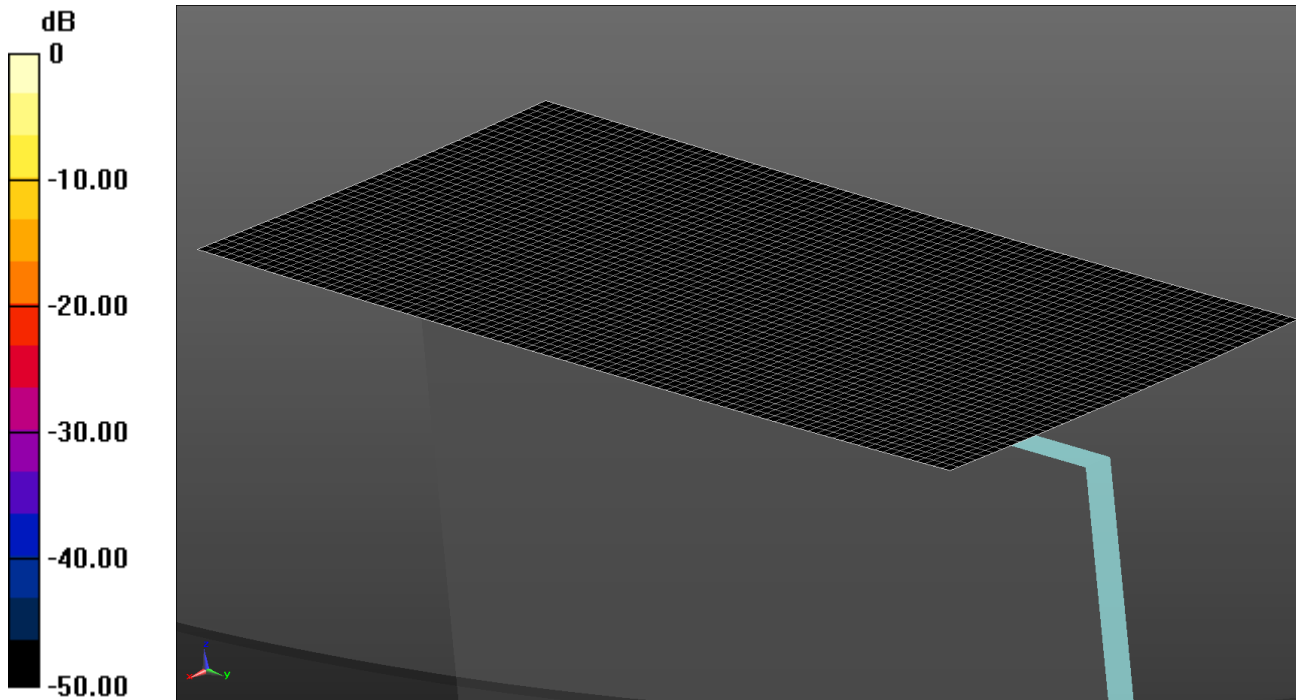
SAR(1 g) = 0.052 W/kg

Maximum value of SAR (measured) = 0.134 W/kg

119: Right Of EUT Facing Phantom WiFi 802.11a 6Mbps SISO Ant 2 CH116

Date: 19/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0 W/kg = -999.00 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5580$ MHz; $\sigma = 5.846$ S/m; $\epsilon_r = 46.636$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(3.74, 3.74, 3.74); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

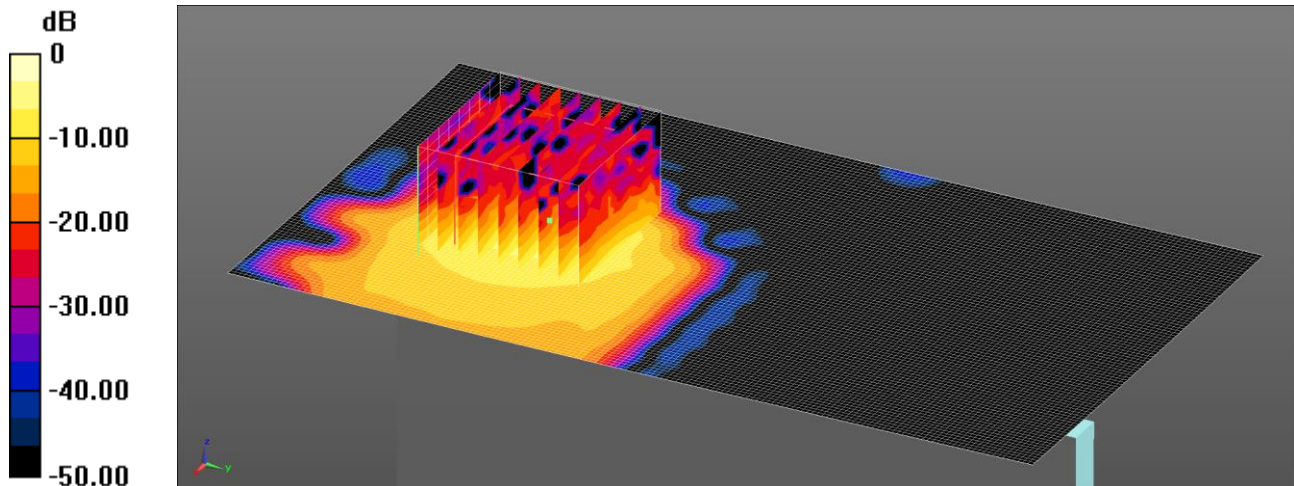
Configuration/Right of EUT Facing Phantom - High/Area Scan 2 (41x91x1): Interpolated grid: dx=2.500 mm, dy=2.500 mm

Maximum value of SAR (interpolated) = 0 W/kg

120: Bottom Of EUT Facing Phantom WiFi 802.11a 6Mbps SISO Ant 2 CH116

Date: 03/09/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.33 W/kg = 1.24 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5580$ MHz; $\sigma = 5.901$ S/m; $\epsilon_r = 47.882$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(3.98, 3.98, 3.98); Calibrated: 07/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Bottom of EUT Facing Phantom - High 2/Area Scan (91x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.636 W/kg

Configuration/Bottom of EUT Facing Phantom - High 2/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (9x9x12)/Cube**0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.150 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 2.92 W/kg

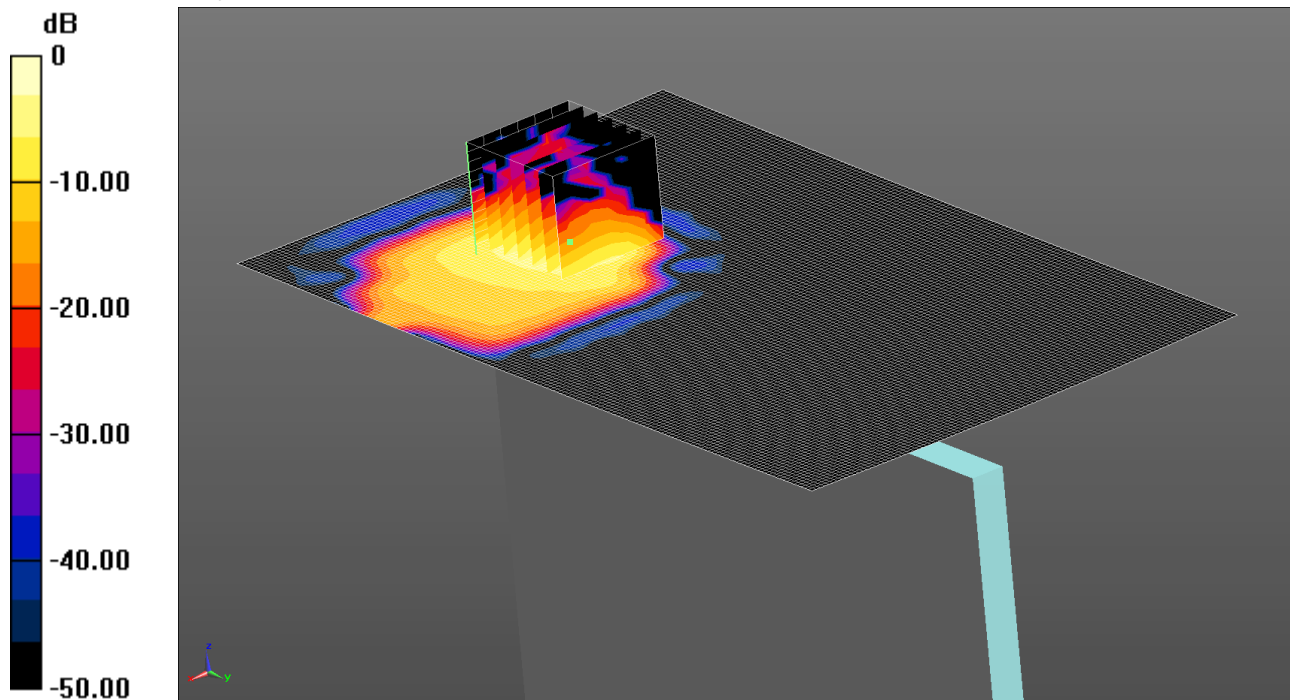
SAR(1 g) = 0.675 W/kg; SAR(10 g) = 0.222 W/kg

Maximum value of SAR (measured) = 1.33 W/kg

121: Bottom Of EUT Facing Phantom WiFi 802.11a 6Mbps SISO Ant 2 CH100

Date: 19/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.24 W/kg = 0.93 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5500 MHz; Duty Cycle: 1:1
 Medium: 5200/5500/5800 MHz MSL Medium parameters used: $f = 5500$ MHz; $\sigma = 5.73$ S/m; $\epsilon_r = 46.869$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(3.89, 3.89, 3.89); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Bottom of EUT Facing Phantom - High/Area Scan (101x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.13 W/kg

Configuration/Bottom of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (7x7x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.956 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 3.38 W/kg

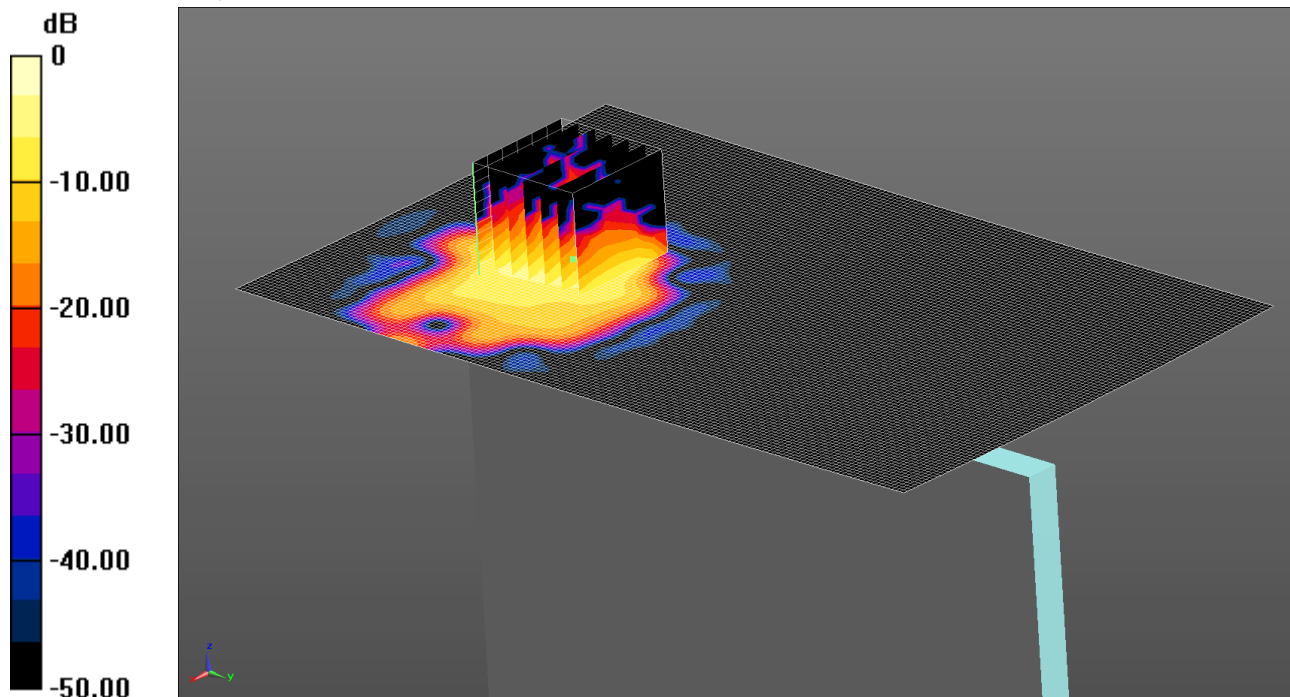
SAR(1 g) = 0.607 W/kg

Maximum value of SAR (measured) = 1.24 W/kg

122: Bottom Of EUT Facing Phantom WiFi 802.11a 6Mbps SISO Ant 2 CH140

Date: 19/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.948 W/kg = -0.23 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5700 MHz; Duty Cycle: 1:1
 Medium: 5200/5500/5800 MHz MSL Medium parameters used: $f = 5700$ MHz; $\sigma = 6.029$ S/m; $\epsilon_r = 46.317$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(3.74, 3.74, 3.74); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Bottom of EUT Facing Phantom - High/Area Scan (101x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.968 W/kg

Configuration/Bottom of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (7x7x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.631 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.66 W/kg

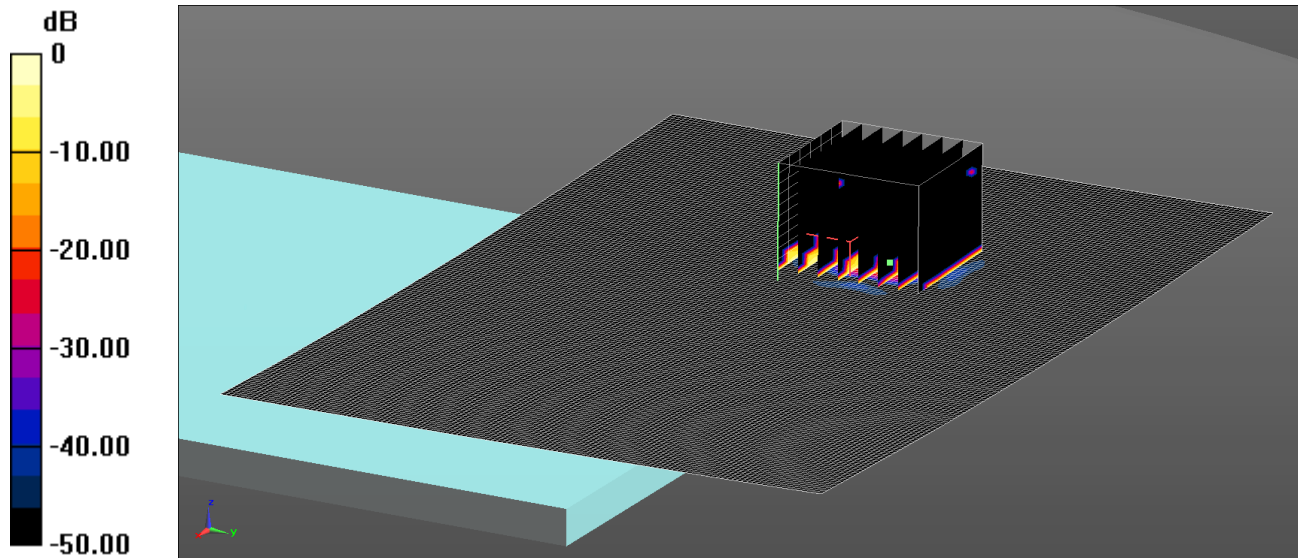
SAR(1 g) = 0.482 W/kg

Maximum value of SAR (measured) = 0.948 W/kg

123: Back Of EUT Facing Phantom WiFi 802.11n HT20 6Mbps SISO Ant 1 CH116

Date: 20/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0687 W/kg = -11.63 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5580$ MHz; $\sigma = 5.846$ S/m; $\epsilon_r = 46.636$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(3.74, 3.74, 3.74); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Back of EUT Facing Phantom - High/Area Scan (171x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0234 W/kg

Configuration/Back of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (7x8x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.2720 V/m; Power Drift = -999.00 dB

Peak SAR (extrapolated) = 0.346 W/kg

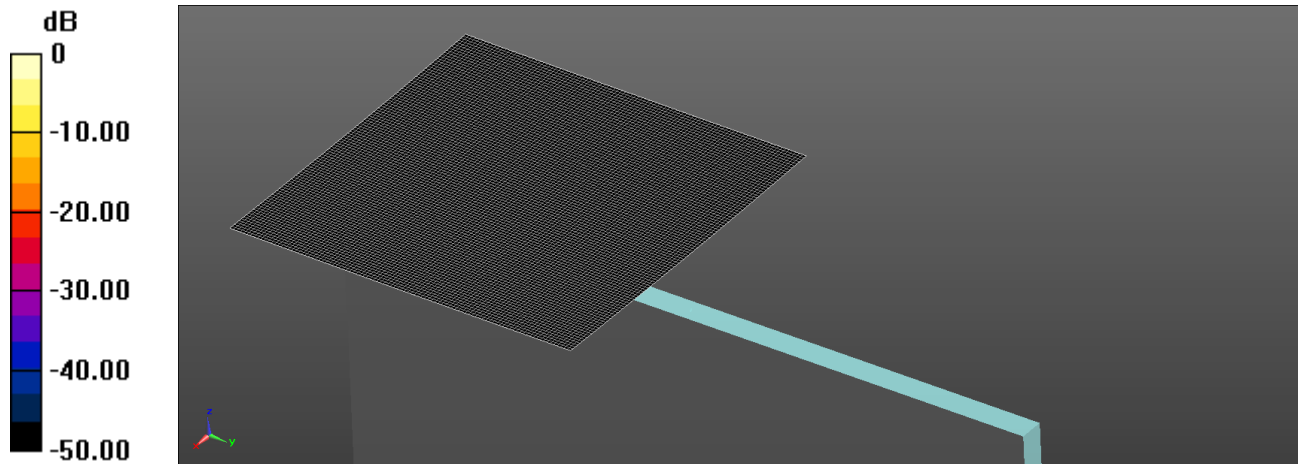
SAR(1 g) = 0.031 W/kg

Maximum value of SAR (measured) = 0.0687 W/kg

124: Left of EUT Facing Phantom WiFi 802.11n HT20 6Mbps SISO Ant 1 CH116

Date: 23/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0 W/kg = -999.00 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5580$ MHz; $\sigma = 5.846$ S/m; $\epsilon_r = 46.636$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(3.74, 3.74, 3.74); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

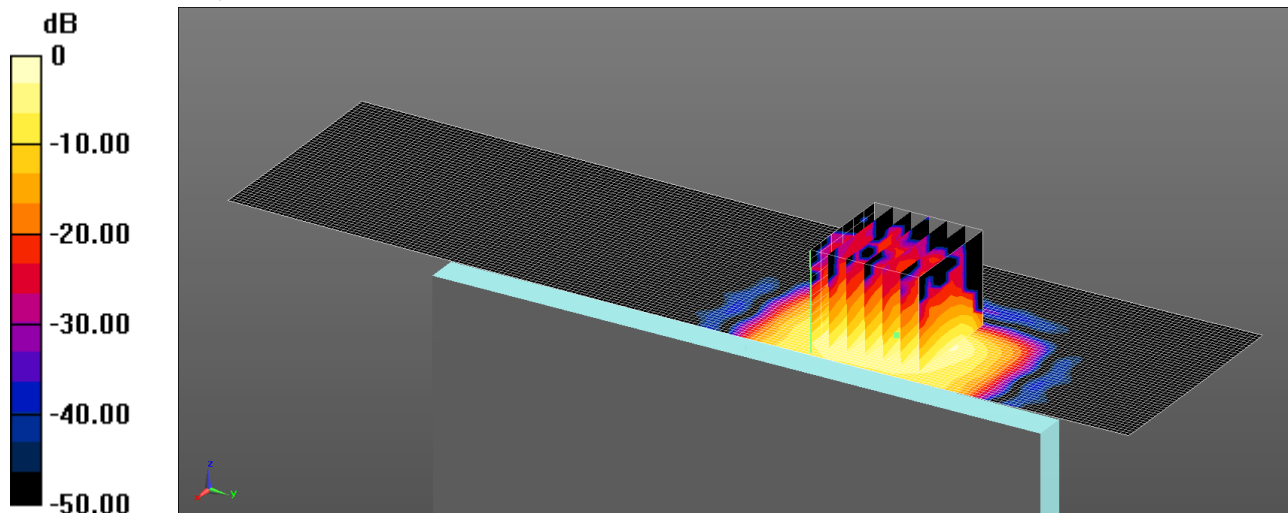
Configuration/Left of EUT Facing Phantom - High/Area Scan 3 (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0 W/kg

125: Bottom of EUT Facing Phantom WiFi 802.11n HT20 6Mbps SISO Ant 1 CH116

Date: 20/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.29 W/kg = 1.11 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5580$ MHz; $\sigma = 5.846$ S/m; $\epsilon_r = 46.636$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(3.74, 3.74, 3.74); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Bottom of EUT Facing Phantom - High/Area Scan (51x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.24 W/kg

Configuration/Bottom of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (7x7x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.642 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.21 W/kg

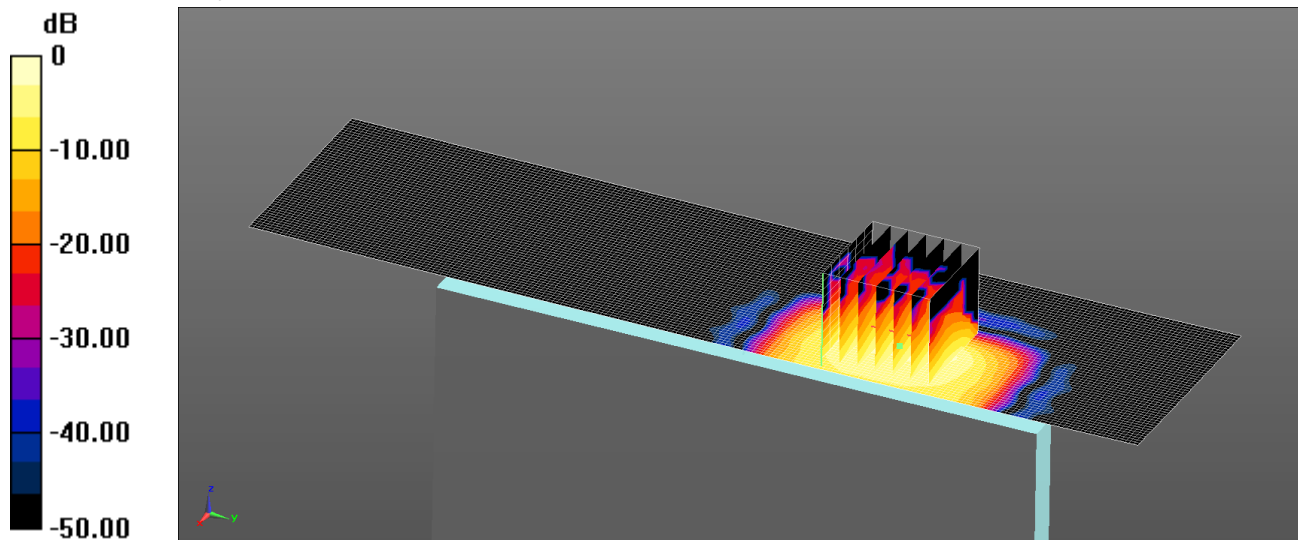
SAR(1 g) = 0.671 W/kg

Maximum value of SAR (measured) = 1.29 W/kg

126: Bottom of EUT Facing Phantom WiFi 802.11n HT20 6Mbps SISO Ant 1 CH100

Date: 20/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.13 W/kg = 0.53 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used: $f = 5500$ MHz; $\sigma = 5.73$ S/m; $\epsilon_r = 46.869$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(3.89, 3.89, 3.89); Calibrated: 24/9/2013;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014

- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Bottom of EUT Facing Phantom - High/Area Scan (51x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.08 W/kg

Configuration/Bottom of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (7x7x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.237 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.82 W/kg

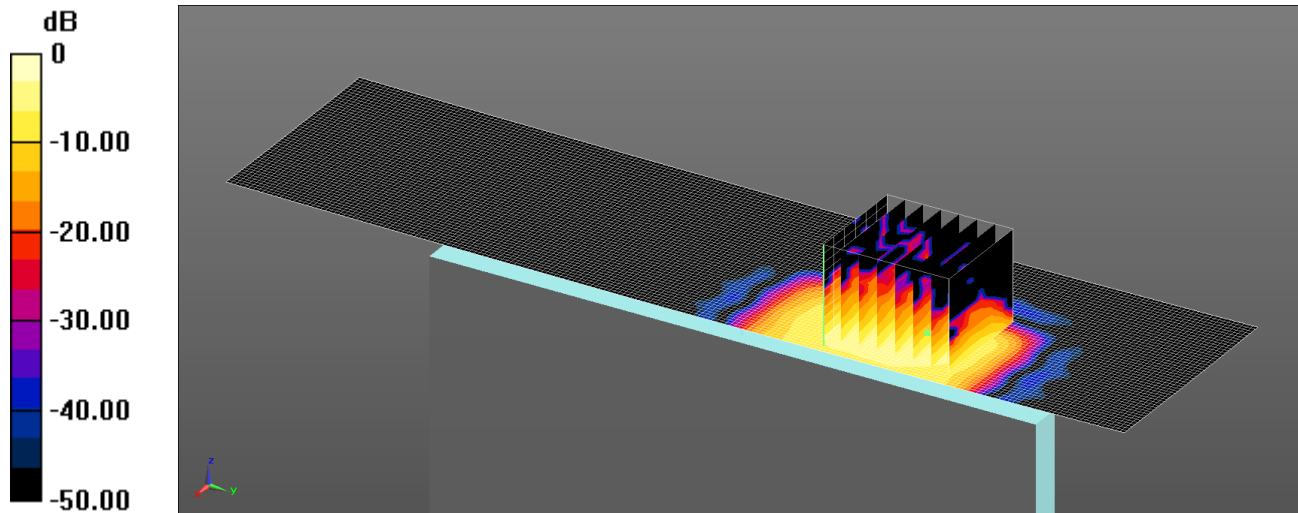
SAR(1 g) = 0.579 W/kg

Maximum value of SAR (measured) = 1.13 W/kg

127: Bottom of EUT Facing Phantom WiFi 802.11n HT20 6Mbps SISO Ant 1 CH140

Date: 21/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.684 W/kg = -1.65 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5700 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used: $f = 5700$ MHz; $\sigma = 6.075$ S/m; $\epsilon_r = 46.458$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(3.96, 3.96, 3.96); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Bottom of EUT Facing Phantom - High/Area Scan (51x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.674 W/kg

Configuration/Bottom of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (7x8x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.407 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 1.18 W/kg

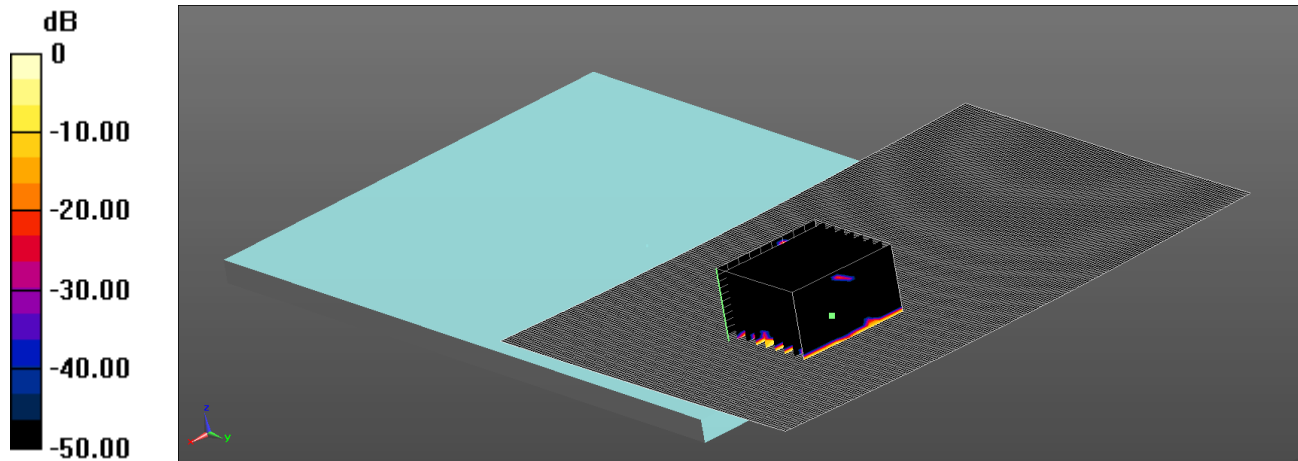
SAR(1 g) = 0.336 W/kg

Maximum value of SAR (measured) = 0.684 W/kg

128: Back Of EUT Facing Phantom WiFi 802.11n HT20 6Mbps SISO Ant 2 CH116

Date: 22/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0851 W/kg = -10.70 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5580$ MHz; $\sigma = 5.876$ S/m; $\epsilon_r = 46.773$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(3.74, 3.74, 3.74); Calibrated: 24/9/2013;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014

- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Back of EUT Facing Phantom - High/Area Scan (171x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0275 W/kg

Configuration/Back of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (10x9x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.462 W/kg

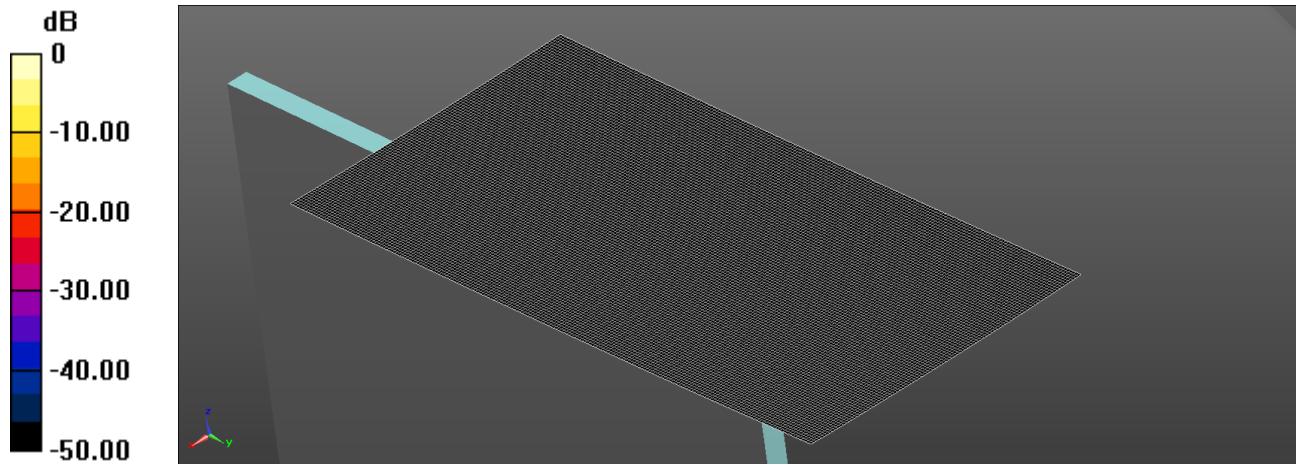
SAR(1 g) = 0.040 W/kg

Maximum value of SAR (measured) = 0.0851 W/kg

129: Right of EUT Facing Phantom WiFi 802.11n HT20 6Mbps SISO Ant 2 CH116

Date: 23/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0 W/kg = -999.00 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5580$ MHz; $\sigma = 5.876$ S/m; $\epsilon_r = 46.773$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(3.74, 3.74, 3.74); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

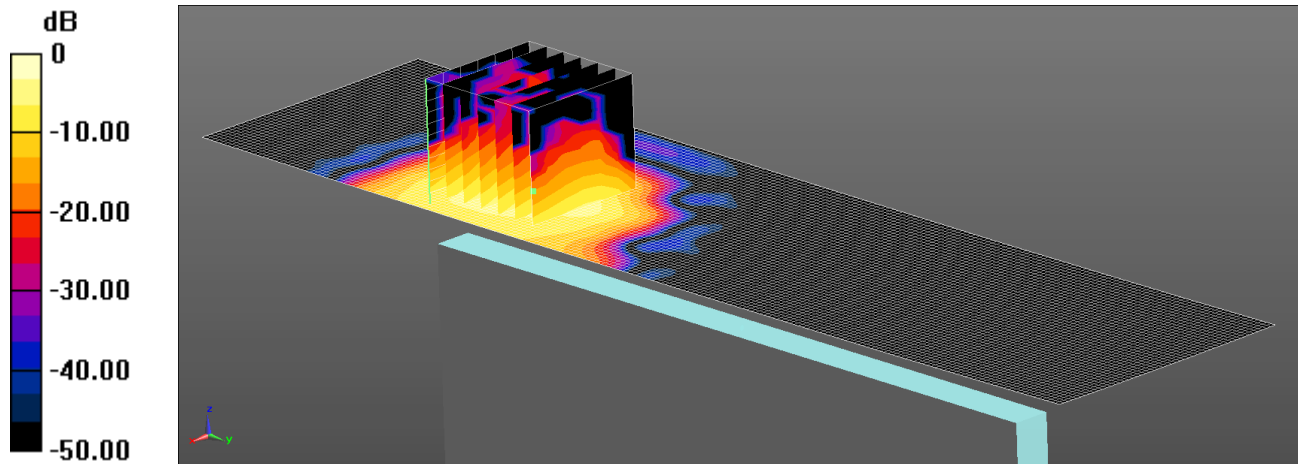
Configuration/Right of EUT Facing Phantom - High/Area Scan 3 (101x201x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0 W/kg

130: Bottom of EUT Facing Phantom WiFi 802.11n HT20 6Mbps SISO Ant 2 CH116

Date: 22/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.26 W/kg = 1.00 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5580$ MHz; $\sigma = 5.876$ S/m; $\epsilon_r = 46.773$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(3.74, 3.74, 3.74); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Bottom of EUT Facing Phantom - High/Area Scan (51x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.843 W/kg

Configuration/Bottom of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (7x7x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.966 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.39 W/kg

SAR(1 g) = 0.667 W/kg

Maximum value of SAR (measured) = 1.26 W/kg