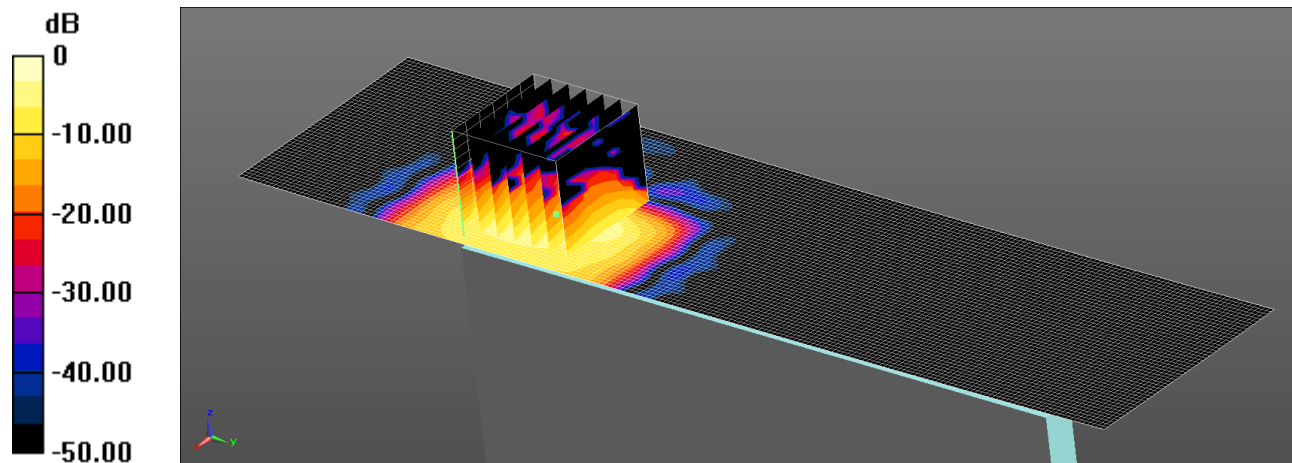


131: Bottom of EUT Facing Phantom WiFi 802.11n HT20 6Mbps SISO Ant 2 CH100

Date: 23/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.996 W/kg = -0.02 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; $\sigma = 5.749$ S/m; $\epsilon_r = 47.003$; $\rho = 1000$ 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) = 0.853 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 = 5.559 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.68 W/kg

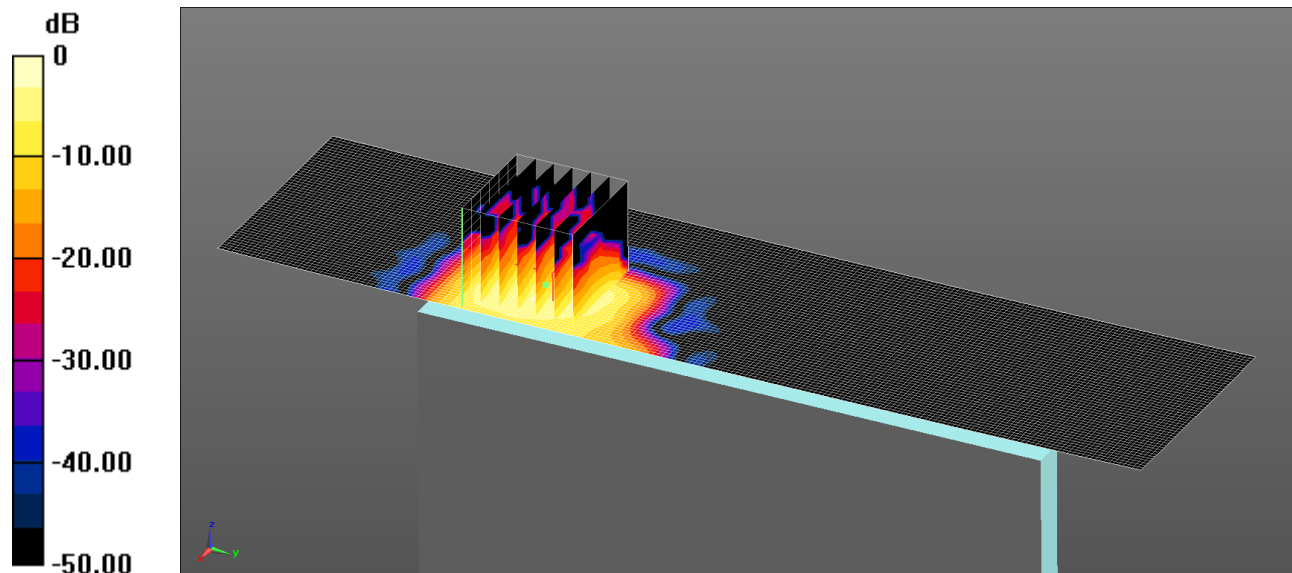
SAR(1 g) = 0.524 W/kg

Maximum value of SAR (measured) = 0.996 W/kg

132: Bottom of EUT Facing Phantom WiFi 802.11n HT20 6Mbps SISO Ant 2 CH140

Date: 23/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.926 W/kg = -0.33 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: 24/09/2013;
- 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/Bottom of EUT Facing Phantom - High/Area Scan (51x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.01 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 = 3.411 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.57 W/kg

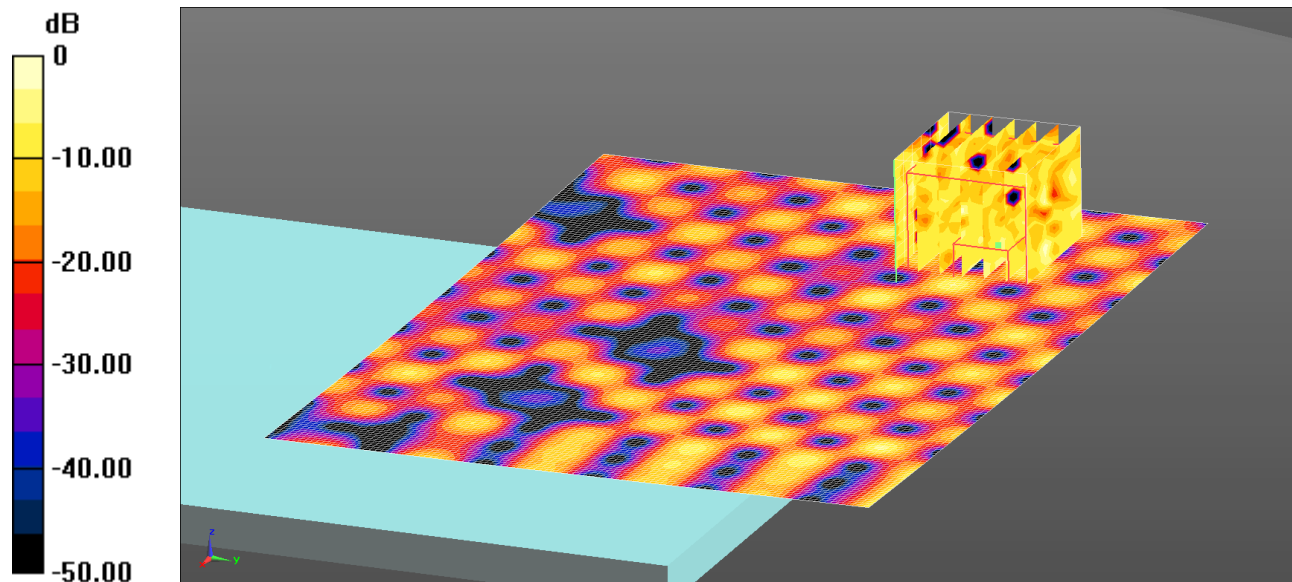
SAR(1 g) = 0.466 W/kg

Maximum value of SAR (measured) = 0.926 W/kg

133: Back Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1&2 6 Mbps MIMO CH100

Date: 29/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.132 W/kg = -8.79 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; $\sigma = 5.81$ S/m; $\epsilon_r = 47.63$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.27, 4.27, 4.27); 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) = 0.0451 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 = 1.371 V/m; Power Drift = 2.45 dB

Peak SAR (extrapolated) = 0.241 W/kg

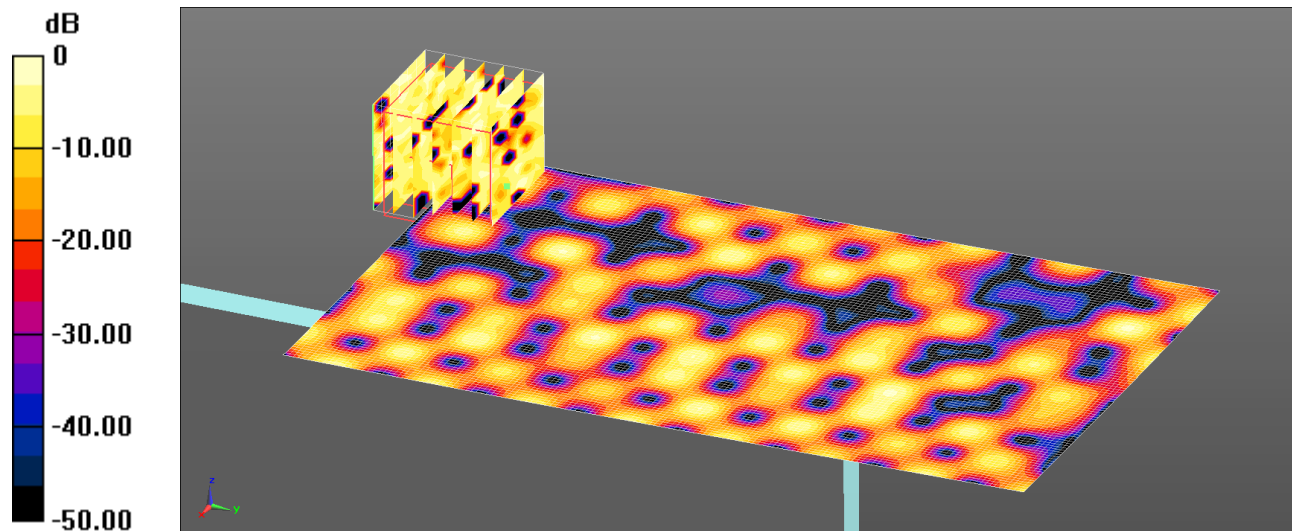
SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00556 W/kg

Maximum value of SAR (measured) = 0.132 W/kg

134: Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1&2 6 Mbps MIMO CH100

Date: 29/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0461 W/kg = -13.36 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; $\sigma = 5.81$ S/m; $\epsilon_r = 47.63$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.27, 4.27, 4.27); 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) = 0.0316 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 = 1.921 V/m; Power Drift = -3.85 dB

Peak SAR (extrapolated) = 0.0760 W/kg

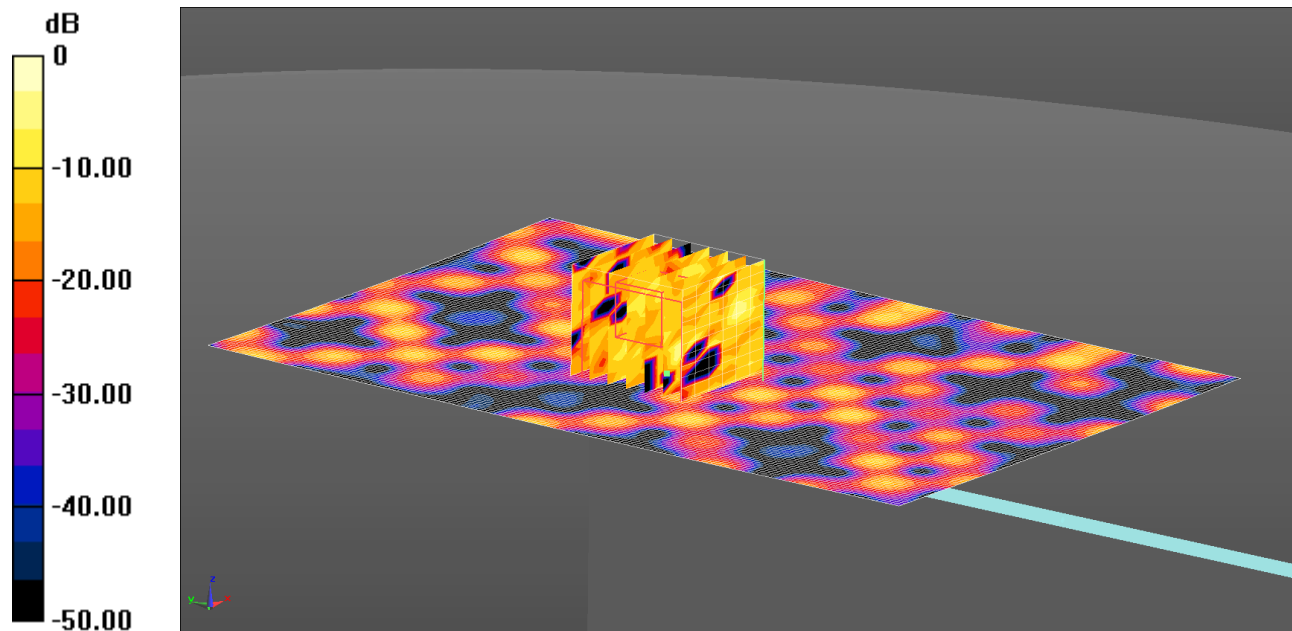
SAR(1 g) = 0.00602 W/kg; SAR(10 g) = 0.00277 W/kg

Maximum value of SAR (measured) = 0.0461 W/kg

135: Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1&2 6 Mbps MIMO CH100

Date: 29/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.234 W/kg = -6.31 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; $\sigma = 5.81$ S/m; $\epsilon_r = 47.63$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.27, 4.27, 4.27); 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 (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0396 W/kg

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

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

Reference Value = 3.290 V/m; Power Drift = 2.34 dB

Peak SAR (extrapolated) = 0.0630 W/kg

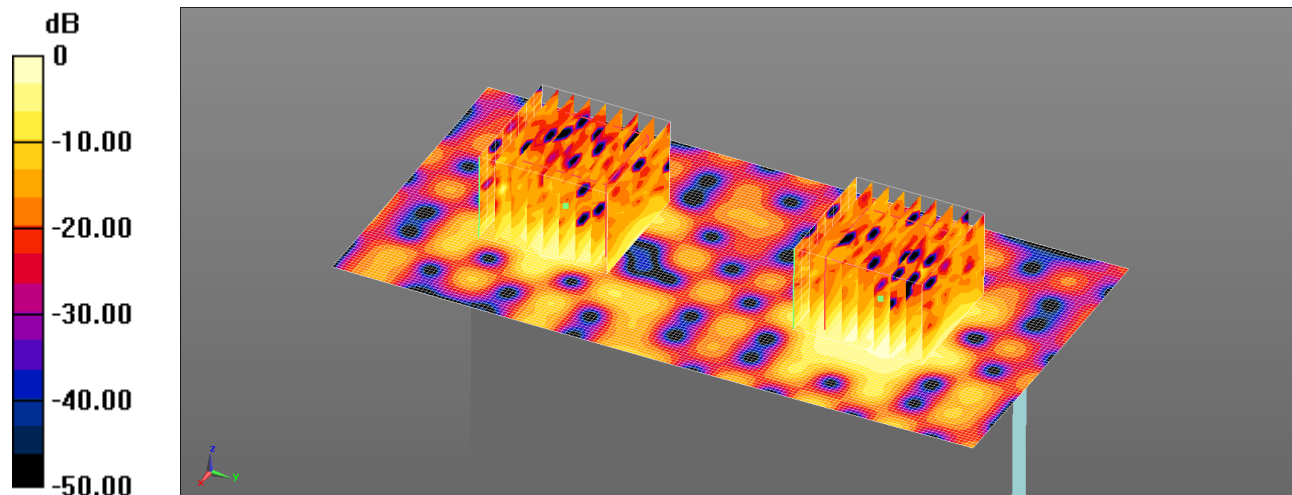
SAR(1 g) = 0.00474 W/kg; SAR(10 g) = 0.00238 W/kg

Maximum value of SAR (measured) = 0.234 W/kg

136: Bottom Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1&2 6 Mbps MIMO CH100

Date: 01/09/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.779 W/kg = -1.08 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; $\sigma = 5.805$ S/m; $\epsilon_r = 48.062$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.27, 4.27, 4.27); Calibrated: 07/05/2014;
- 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 2/Area Scan (81x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.01 W/kg

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

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

Reference Value = 11.724 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.971 W/kg

Configuration/Bottom of EUT Facing Phantom 2/Zoom Scan (5-6 GHz) (7x7x12) (9x9x12)/Cube 1:

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

Reference Value = 11.724 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.36 W/kg

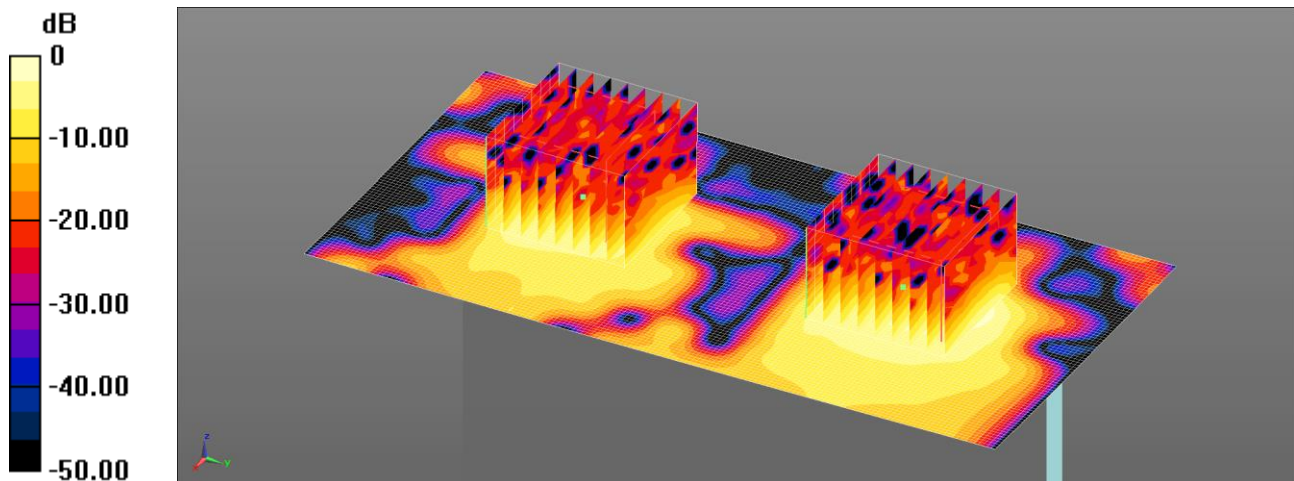
SAR(1 g) = 0.391 W/kg; SAR(10 g) = 0.139 W/kg

Maximum value of SAR (measured) = 0.779 W/kg

137: Bottom Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1&2 6 Mbps MIMO CH116

Date: 02/09/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.751 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: 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 2/Area Scan (81x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.922 W/kg

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

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

Reference Value = 10.517 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 0.390 W/kg; SAR(10 g) = 0.138 W/kg

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

Configuration/Bottom of EUT Facing Phantom 2/Zoom Scan (5-6 GHz) (7x7x12) (9x9x12)/Cube 1:

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

Reference Value = 10.517 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.71 W/kg

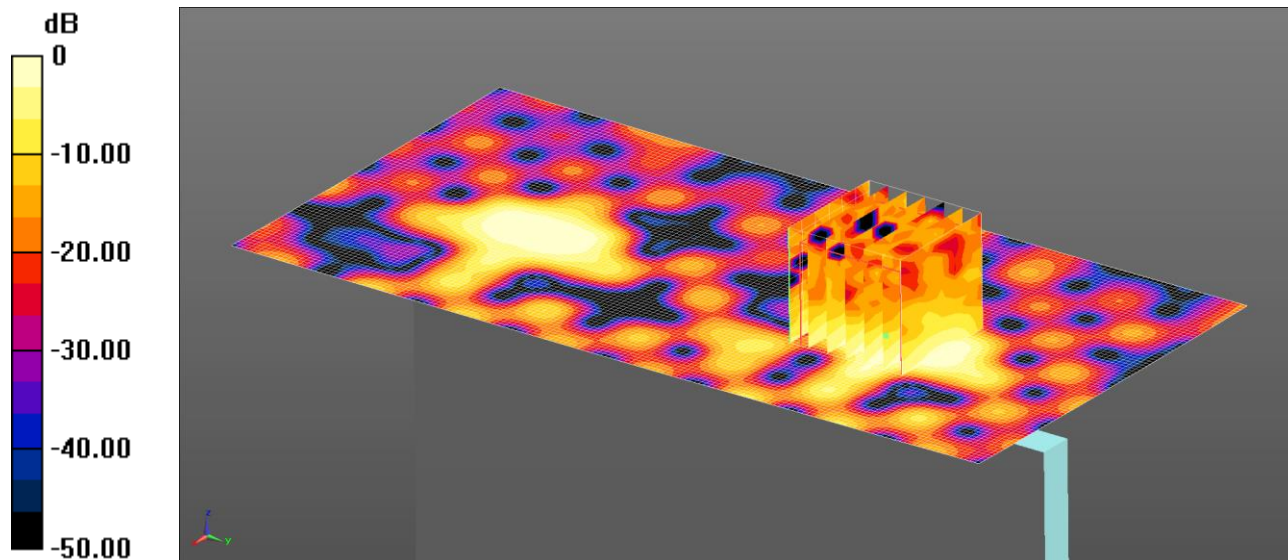
SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.126 W/kg

Maximum value of SAR (measured) = 0.751 W/kg

138: Bottom Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1&2 6 Mbps MIMO CH140

Date: 03/09/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.654 W/kg = -1.84 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; $\sigma = 6.067$ S/m; $\epsilon_r = 47.728$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.27, 4.27, 4.27); Calibrated: 07/05/2014;
- 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 2/Area Scan (81x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.77 W/kg

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

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

Reference Value = 9.682 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.54 W/kg

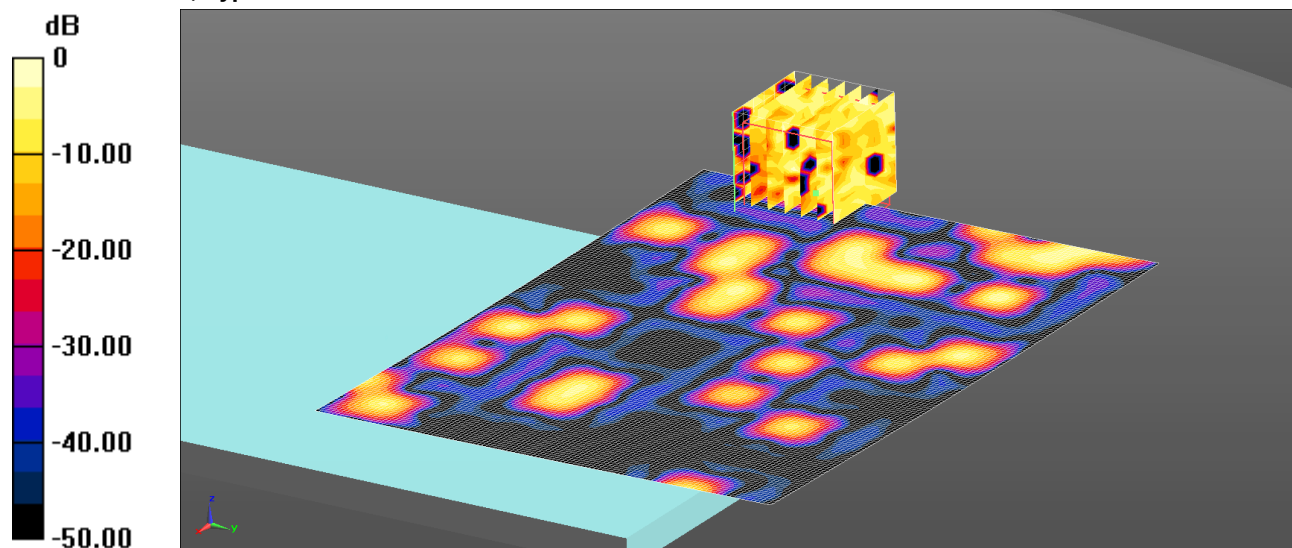
SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.090 W/kg

Maximum value of SAR (measured) = 0.654 W/kg

139: Back Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13.5 Mbps SISO CH134

Date: 02/09/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.103 W/kg = -9.87 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5670 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5670$ MHz; $\sigma = 6.016$ S/m; $\epsilon_r = 47.743$; $\rho = 1000$ 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/Back of EUT Facing Phantom - Low/Area Scan (151x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0784 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 = 1.194 V/m; Power Drift = 7.66 dB

Peak SAR (extrapolated) = 0.102 W/kg

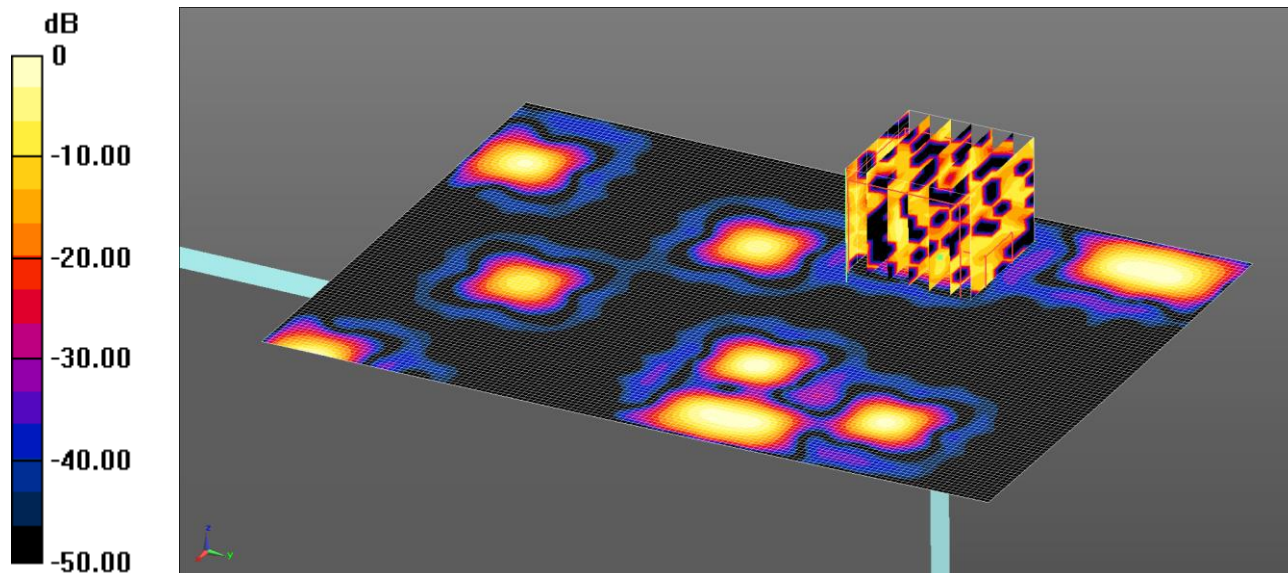
SAR(1 g) = 0.00576 W/kg; SAR(10 g) = 0.00163 W/kg

Maximum value of SAR (measured) = 0.103 W/kg

140: Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13.5 Mbps SISO CH134

Date: 02/09/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0382 W/kg = -14.18 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5670 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5670$ MHz; $\sigma = 6.016$ S/m; $\epsilon_r = 47.743$; $\rho = 1000$ 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/Left of EUT Facing Phantom - Low/Area Scan (101x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0453 W/kg

Configuration/Left 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 = 2.783 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.103 W/kg

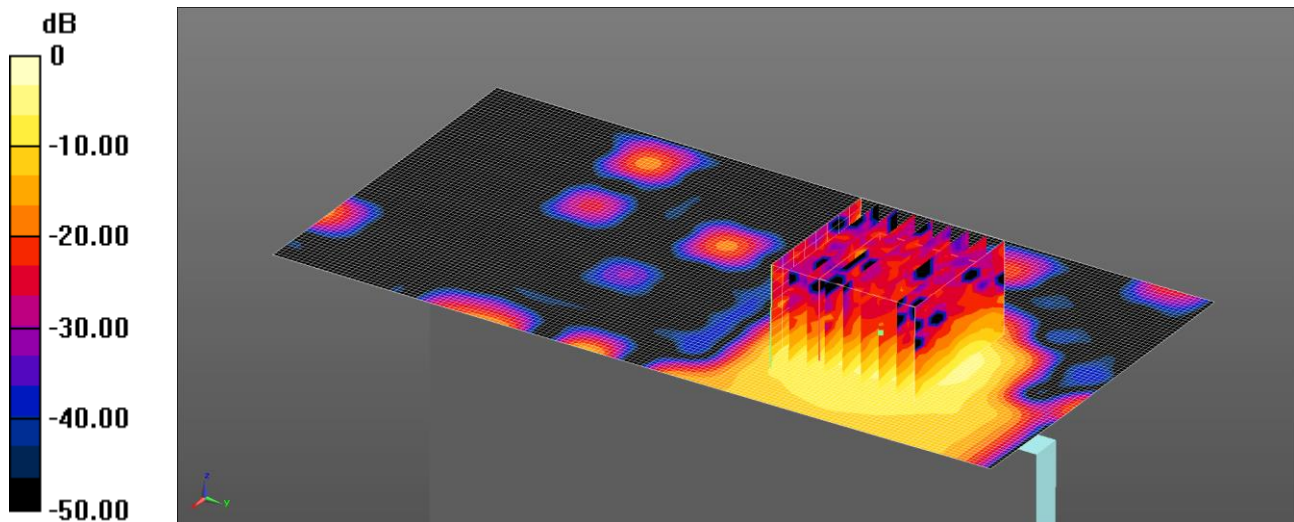
SAR(1 g) = 0.00353 W/kg; SAR(10 g) = 0.000848 W/kg

Maximum value of SAR (measured) = 0.0382 W/kg

141: Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13.5 Mbps SISO CH134

Date: 02/09/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.37 W/kg = 1.37 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5670 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5670$ MHz; $\sigma = 6.016$ S/m; $\epsilon_r = 47.743$; $\rho = 1000$ 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 - Low/Area Scan (81x161x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.725 W/kg

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

Reference Value = 9.884 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.84 W/kg

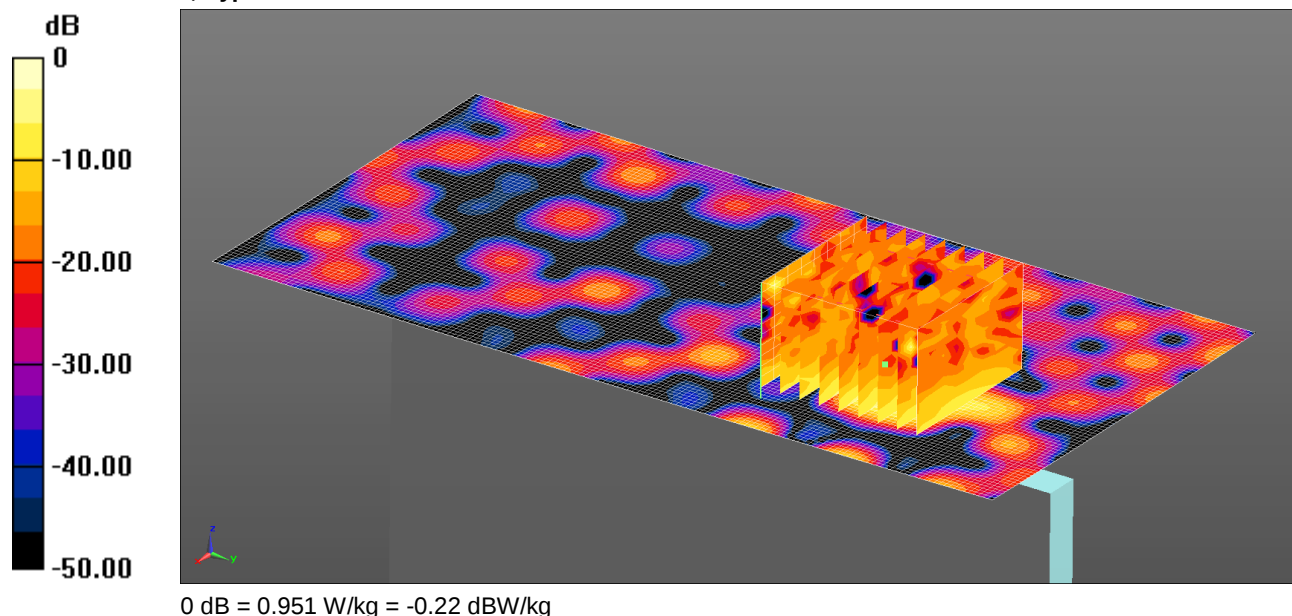
SAR(1 g) = 0.672 W/kg; SAR(10 g) = 0.237 W/kg

Maximum value of SAR (measured) = 1.37 W/kg

142: Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13.5 Mbps SISO CH102

Date: 03/09/2014

DUT: A1601; Type: FCC ID: BCGA1601



Communication System: UID 0, WLAN 802.11 (0); Frequency: 5510 MHz; Duty Cycle: 1:1
 Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5510$ MHz; $\sigma = 5.811$ S/m; $\epsilon_r = 48.028$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.27, 4.27, 4.27); 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) = 1.12 W/kg

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

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

Reference Value = 8.908 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.72 W/kg

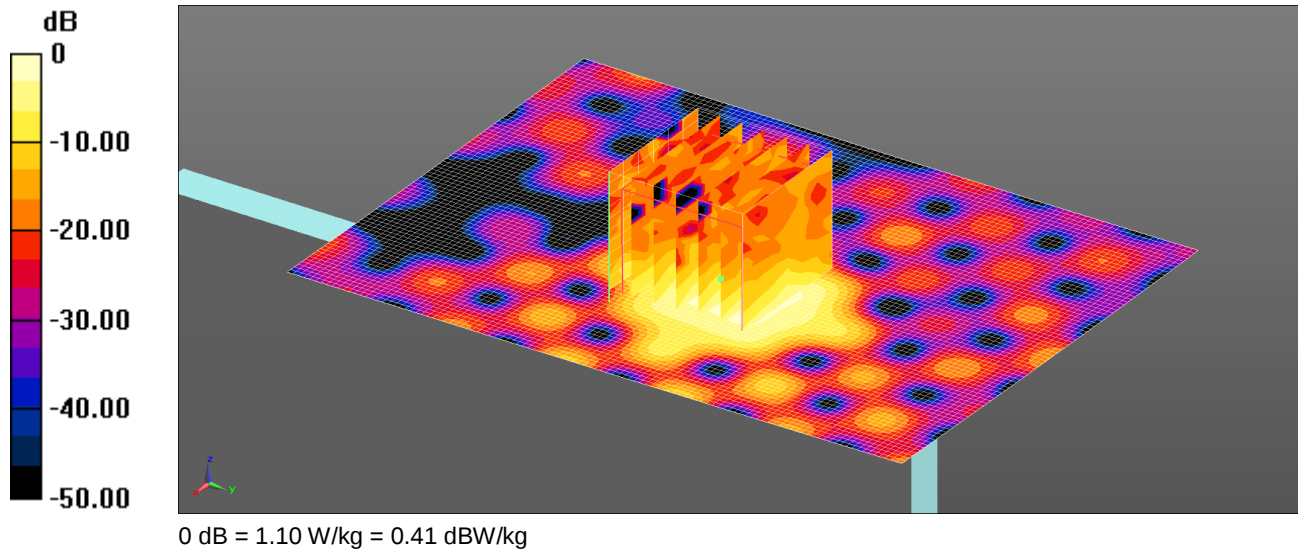
SAR(1 g) = 0.450 W/kg; SAR(10 g) = 0.158 W/kg

Maximum value of SAR (measured) = 0.951 W/kg

143: Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13.5 Mbps SISO CH110

Date: 03/09/2014

DUT: A1601; Type: FCC ID: BCGA1601



Communication System: UID 0, WLAN 802.11 (0); Frequency: 5550 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used: $f = 5550$ MHz; $\sigma = 5.833$ S/m; $\epsilon_r = 47.893$; $\rho = 1000$ 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 - Middle/Area Scan (81x111x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.732 W/kg

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

Reference Value = 9.912 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.61 W/kg

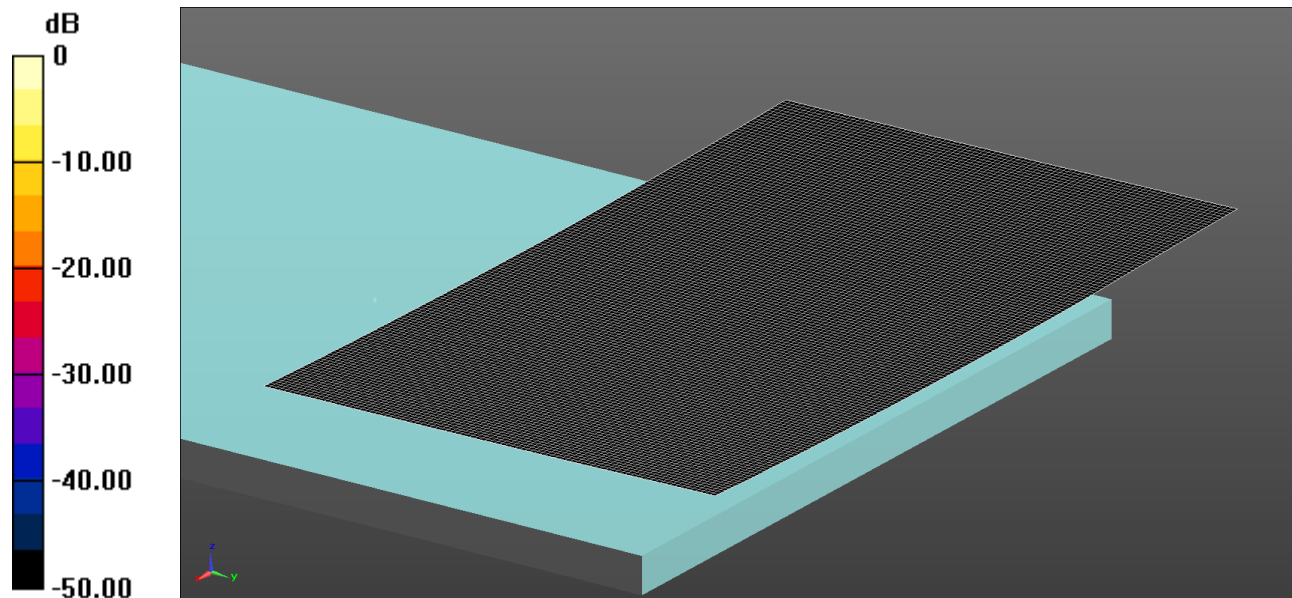
SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.173 W/kg

Maximum value of SAR (measured) = 1.10 W/kg

144: Back Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 2 13.5 Mbps SISO CH134

Date: 2/9/2014

DUT: A1601; Type: FCC ID: BCGA1601



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

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5670 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5670$ MHz; $\sigma = 5.875$ S/m; $\epsilon_r = 48.352$; $\rho = 1000$ 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)

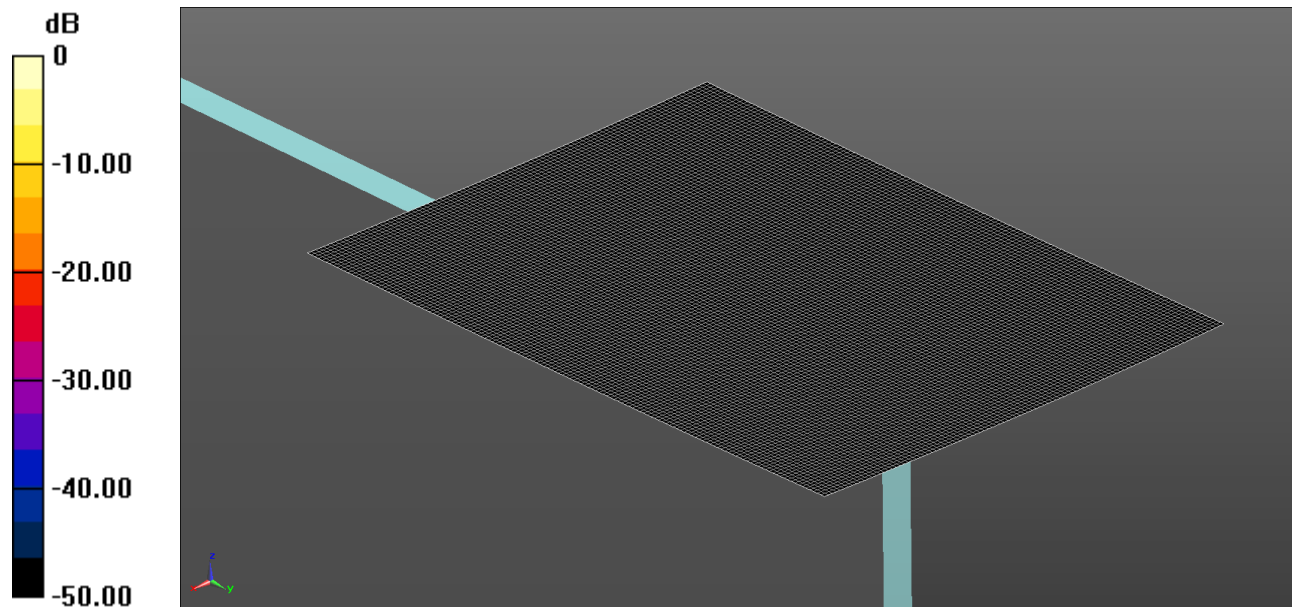
Configuration/Back of EUT Facing Phantom - Low/Area Scan (151x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

145: Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 2 13.5 Mbps SISO CH134

Date: 2/9/2014

DUT: A1601; Type: FCC ID: BCGA1601



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

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5670 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5670$ MHz; $\sigma = 5.875$ S/m; $\epsilon_r = 48.352$; $\rho = 1000$ 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)

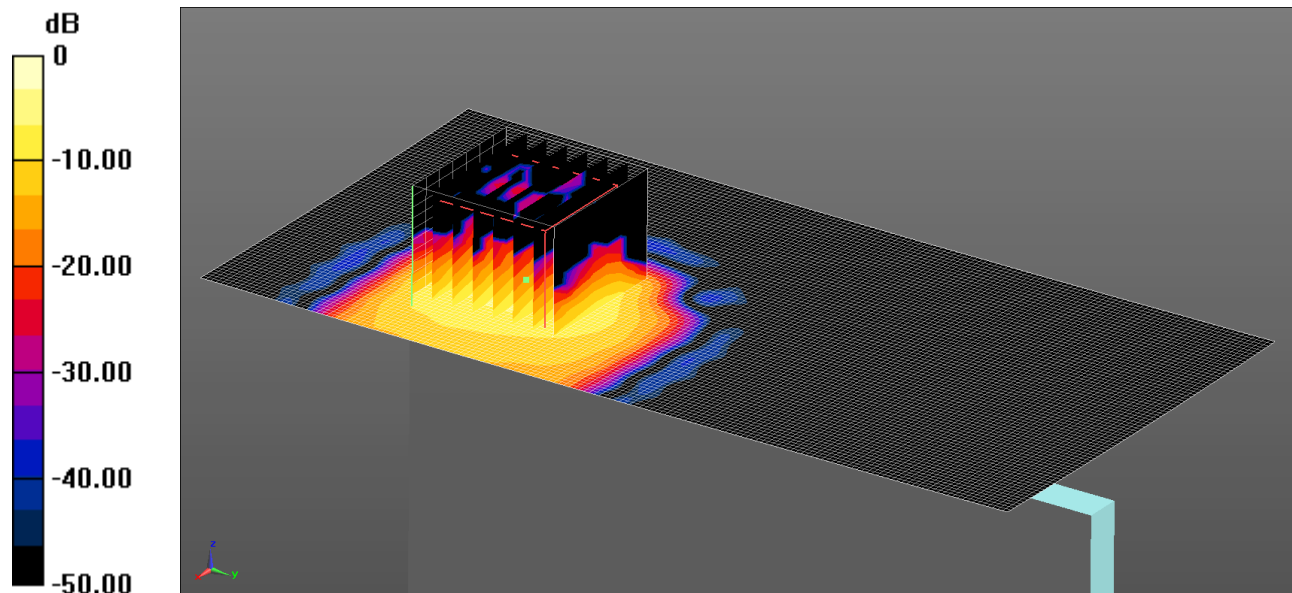
Configuration/Right of EUT Facing Phantom - Low/Area Scan (101x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

146: Bottom Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 2 13.5 Mbps SISO CH134

Date: 2/9/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.31 W/kg = 1.17 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; $\sigma = 5.742$ S/m; $\epsilon_r = 48.577$; $\rho = 1000$ 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 2/Area Scan (81x161x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.892 W/kg

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

Reference Value = 10.71 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.51 W/kg

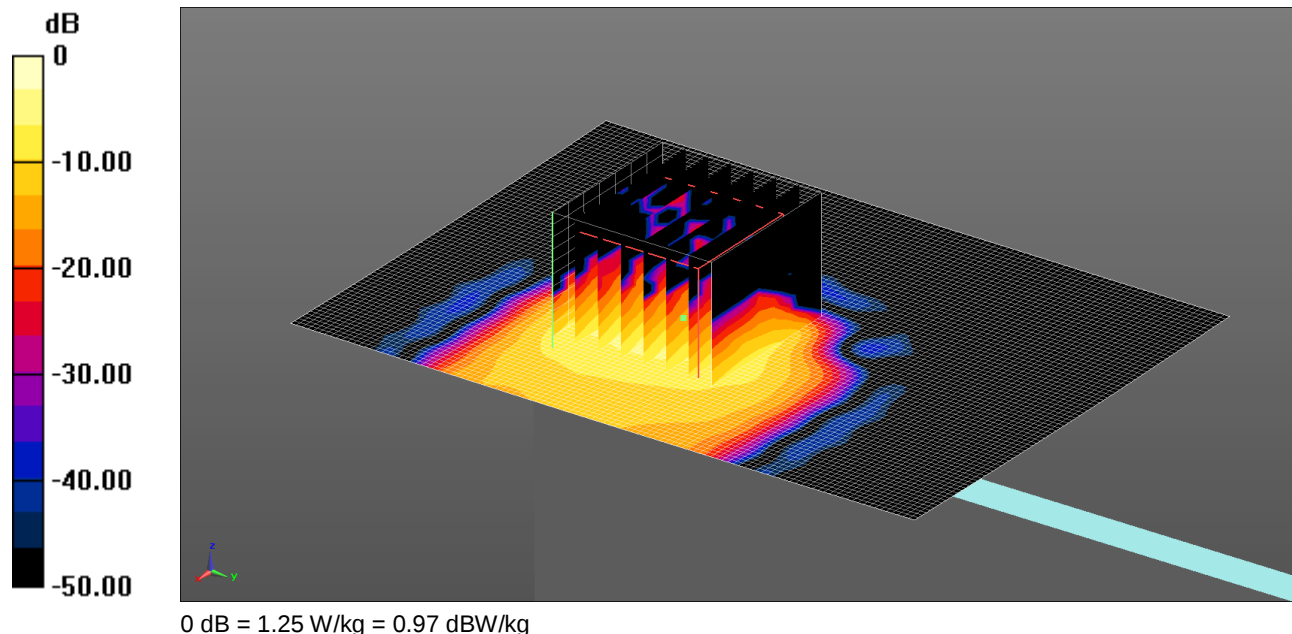
SAR(1 g) = 0.653 W/kg; SAR(10 g) = 0.202 W/kg

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

147: Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 2 13.5 Mbps SISO CH102

Date: 3/9/2014

DUT: A1601; Type: FCC ID: BCGA1601



Communication System: UID 0, WLAN 802.11 (0); Frequency: 5510 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5510$ MHz; $\sigma = 5.627$ S/m; $\epsilon_r = 48.771$; $\rho = 1000$ 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 - Low/Area Scan (81x111x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.07 W/kg

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

Reference Value = 9.967 V/m; Power Drift = -0.13 dB

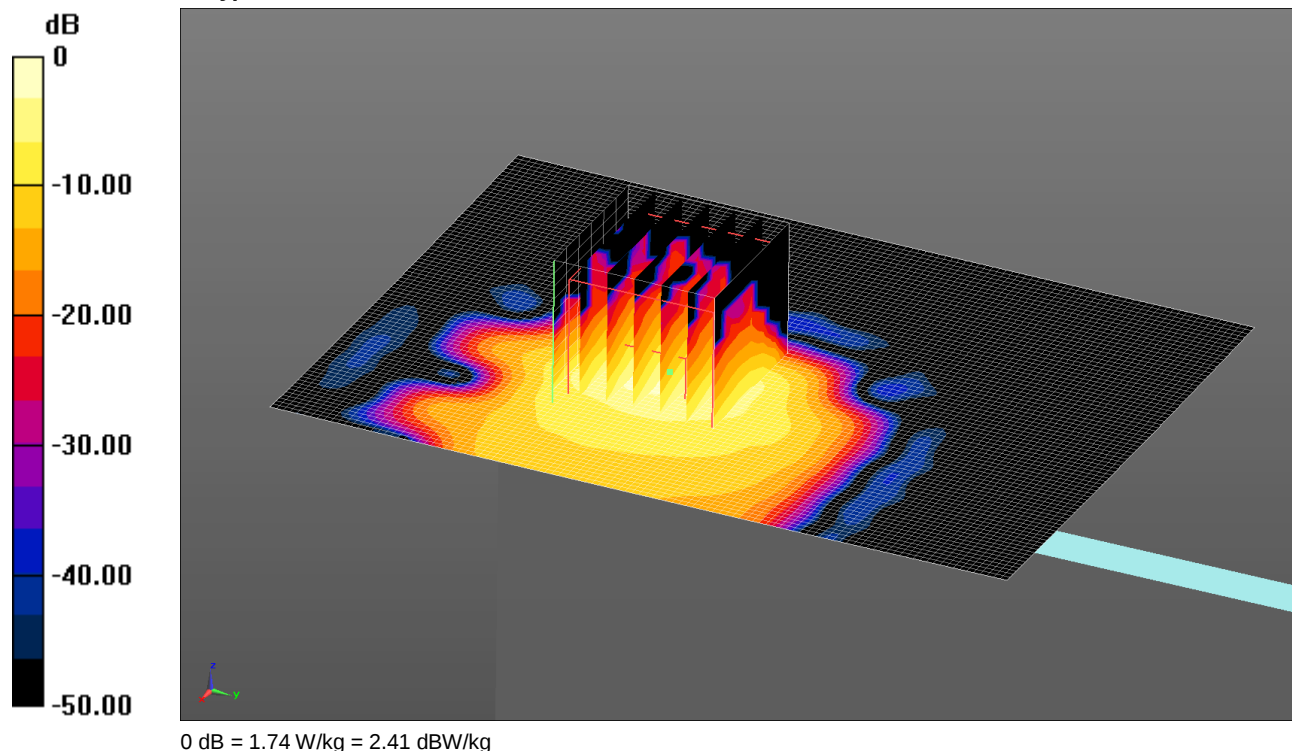
Peak SAR (extrapolated) = 2.30 W/kg

SAR(1 g) = 0.618 W/kg; SAR(10 g) = 0.190 W/kg

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

148: Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 2 13.5 Mbps SISO CH110

Date: 3/9/2014

DUT: A1601; Type: FCC ID: BCGA1601

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5550 MHz; Duty Cycle: 1:1
 Medium: 5200/5500/5800 MHz MSL Medium parameters used: $f = 5550$ MHz; $\sigma = 5.69$ S/m; $\epsilon_r = 48.62$; $\rho = 1000$ 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 - Middle 2/Area Scan (81x111x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.20 W/kg

Configuration/Bottom of EUT Facing Phantom - Middle 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 = 12.94 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.13 W/kg

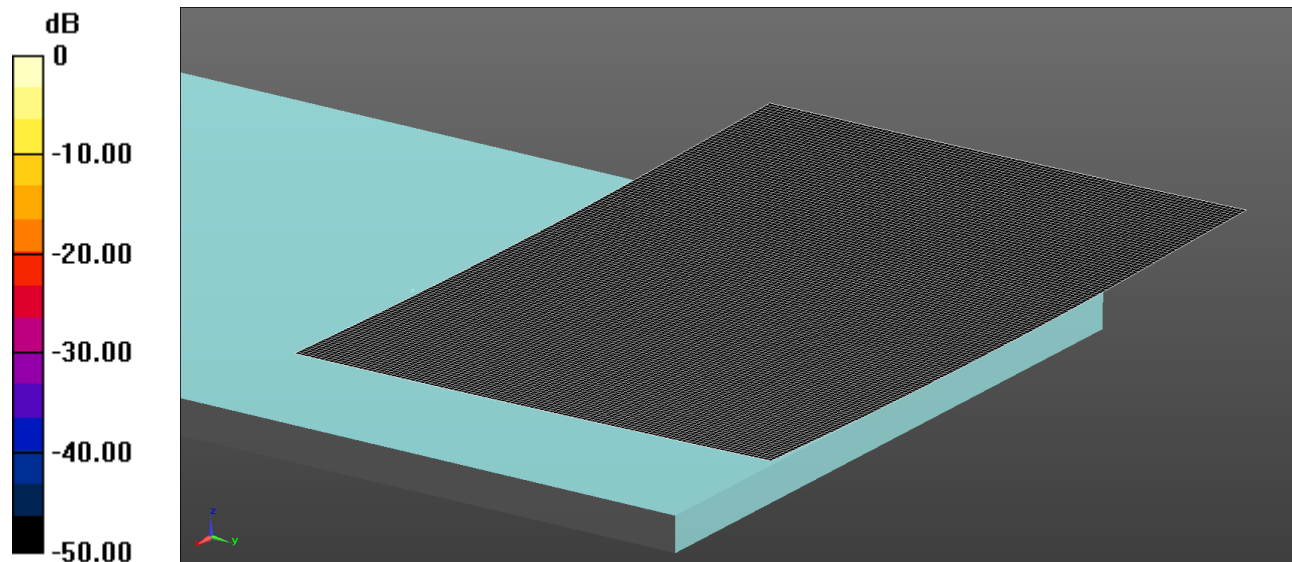
SAR(1 g) = 0.862 W/kg; SAR(10 g) = 0.258 W/kg

Maximum value of SAR (measured) = 1.74 W/kg

149: Back Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps MIMO Ant 1&2 CH134

Date: 2/9/2014

DUT: A1601; Type: FCC ID: BCGA1601



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

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5670 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5670$ MHz; $\sigma = 5.875$ S/m; $\epsilon_r = 48.352$; $\rho = 1000$ 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)

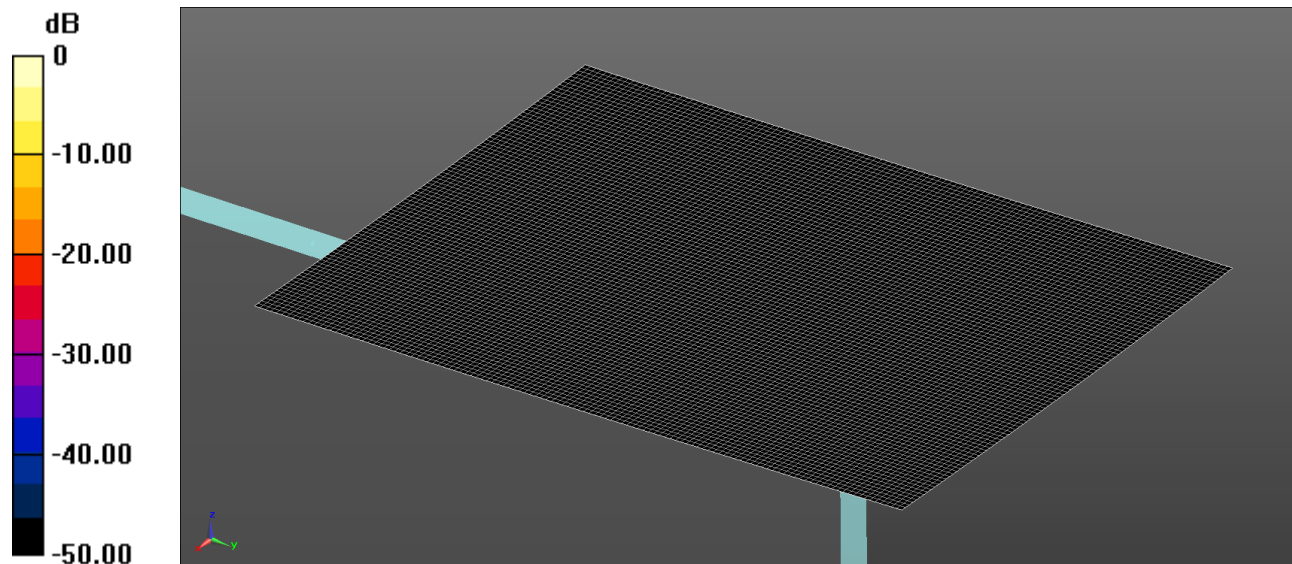
Configuration/Back of EUT Facing Phantom - High/Area Scan (151x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

150: Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps MIMO Ant 1&2 CH134

Date: 2/9/2014

DUT: A1601; Type: FCC ID: BCGA1601



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

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5670 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5670$ MHz; $\sigma = 5.875$ S/m; $\epsilon_r = 48.352$; $\rho = 1000$ 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 Hand Side of EUT Facing Phantom - High/Area Scan (91x121x1): Interpolated grid:

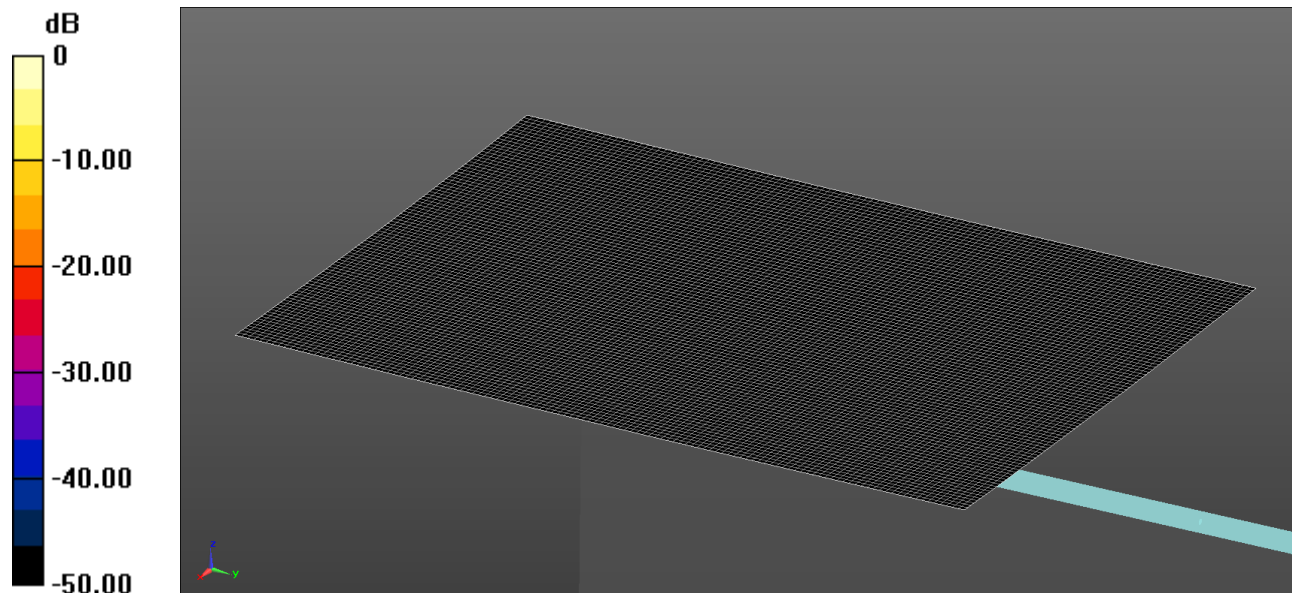
$dx=1.000$ mm, $dy=1.000$ mm

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

151: Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps MIMO Ant 1&2 CH134

Date: 2/9/2014

DUT: A1601; Type: FCC ID: BCGA1601



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

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5670 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5670$ MHz; $\sigma = 5.875$ S/m; $\epsilon_r = 48.352$; $\rho = 1000$ 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 Hand Side of EUT Facing Phantom - Middle/Area Scan (91x121x1): Interpolated grid:

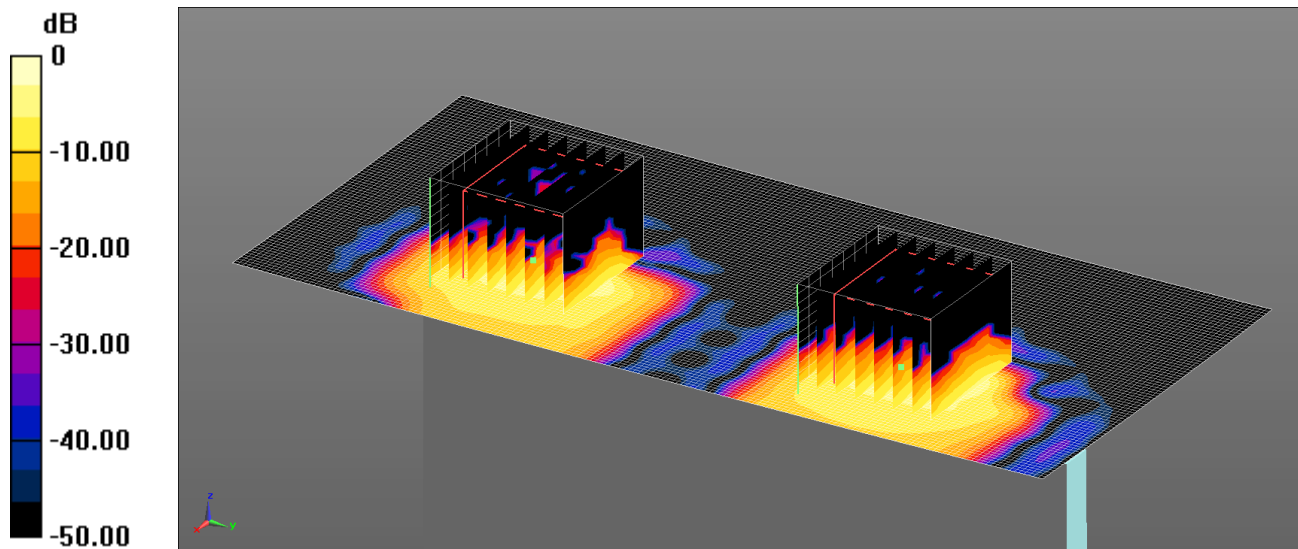
$dx=1.000$ mm, $dy=1.000$ mm

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

152: Bottom Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps MIMO Ant 1&2 CH134

Date: 2/9/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.757 W/kg = -1.21 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5670 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5670$ MHz; $\sigma = 5.875$ S/m; $\epsilon_r = 48.352$; $\rho = 1000$ 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 - Middle/Area Scan (81x171x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.668 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 = 7.993 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 0.489 W/kg; SAR(10 g) = 0.149 W/kg

Maximum value of SAR (measured) = 0.987 W/kg

Configuration/Bottom of EUT Facing Phantom - Middle/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (8x8x12)/Cube**1:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.993 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.24 W/kg

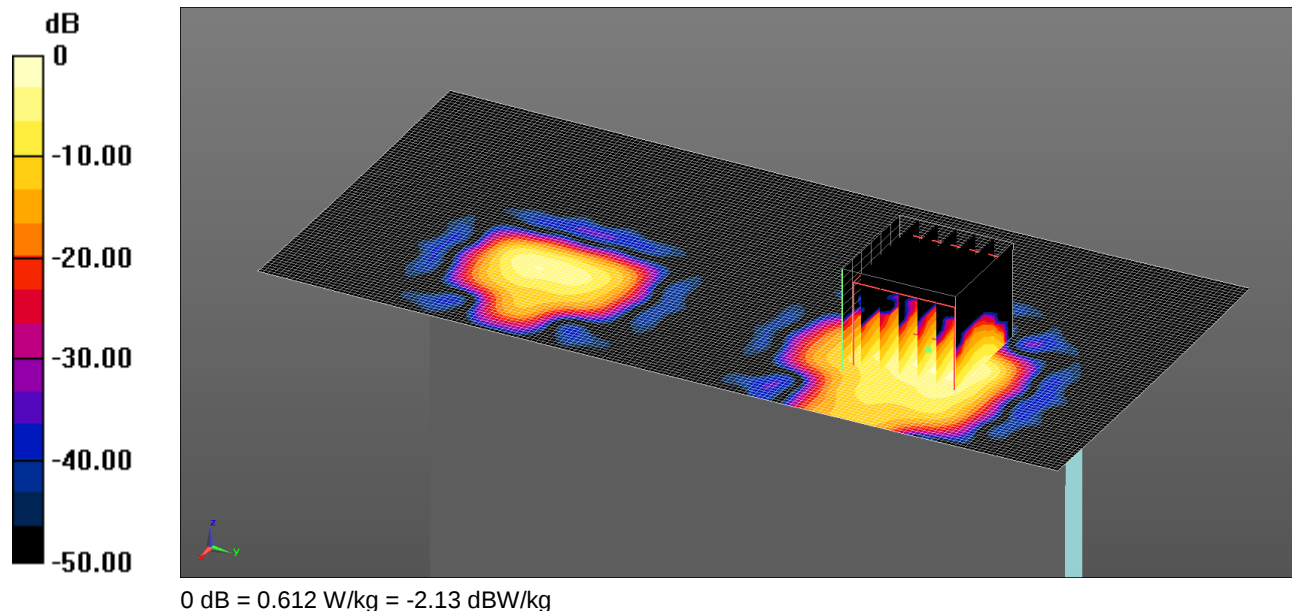
SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.127 W/kg

Maximum value of SAR (measured) = 0.757 W/kg

153: Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13.5 Mbps SISO CH102

Date: 4/9/2014

DUT: A1601; Type: FCC ID: BCGA1601



Communication System: UID 0, WLAN 802.11 (0); Frequency: 5510 MHz; Duty Cycle: 1:1
 Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5510$ MHz; $\sigma = 5.627$ S/m; $\epsilon_r = 48.771$; $\rho = 1000$ 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 - Low/Area Scan (81x171x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.423 W/kg

Configuration/Bottom 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 = 6.288 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.967 W/kg

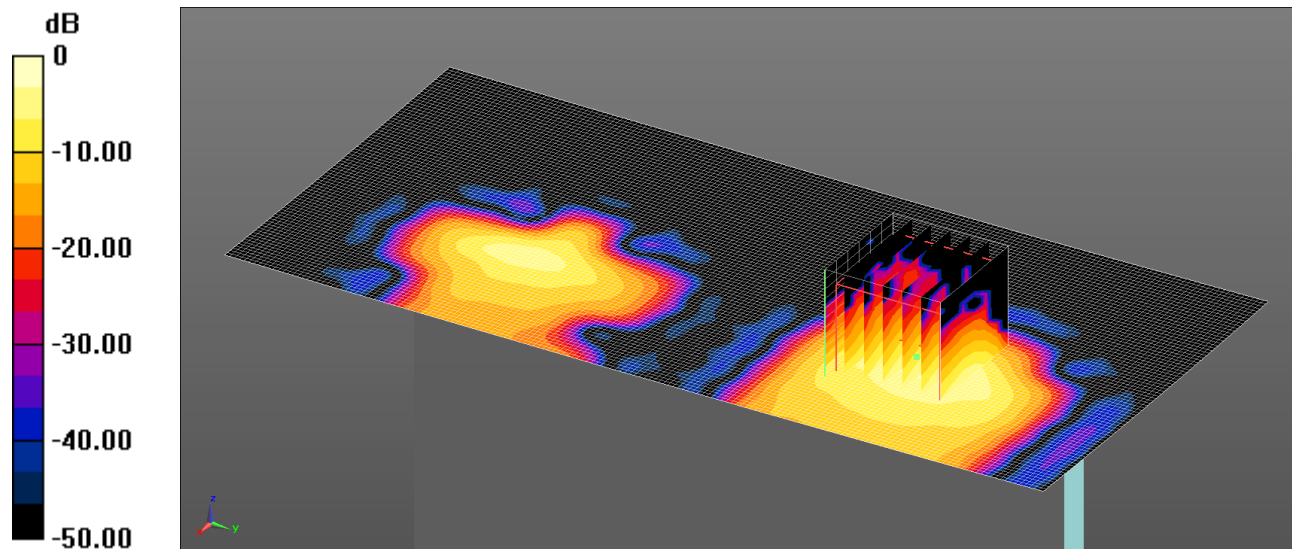
SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.088 W/kg

Maximum value of SAR (measured) = 0.612 W/kg

154: Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13.5 Mbps SISO CH110

Date: 4/9/2014

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: 5550 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used: $f = 5550$ MHz; $\sigma = 5.69$ S/m; $\epsilon_r = 48.62$; $\rho = 1000$ 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 - Middle/Area Scan (81x171x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.00 W/kg

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

Reference Value = 12.67 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 2.48 W/kg

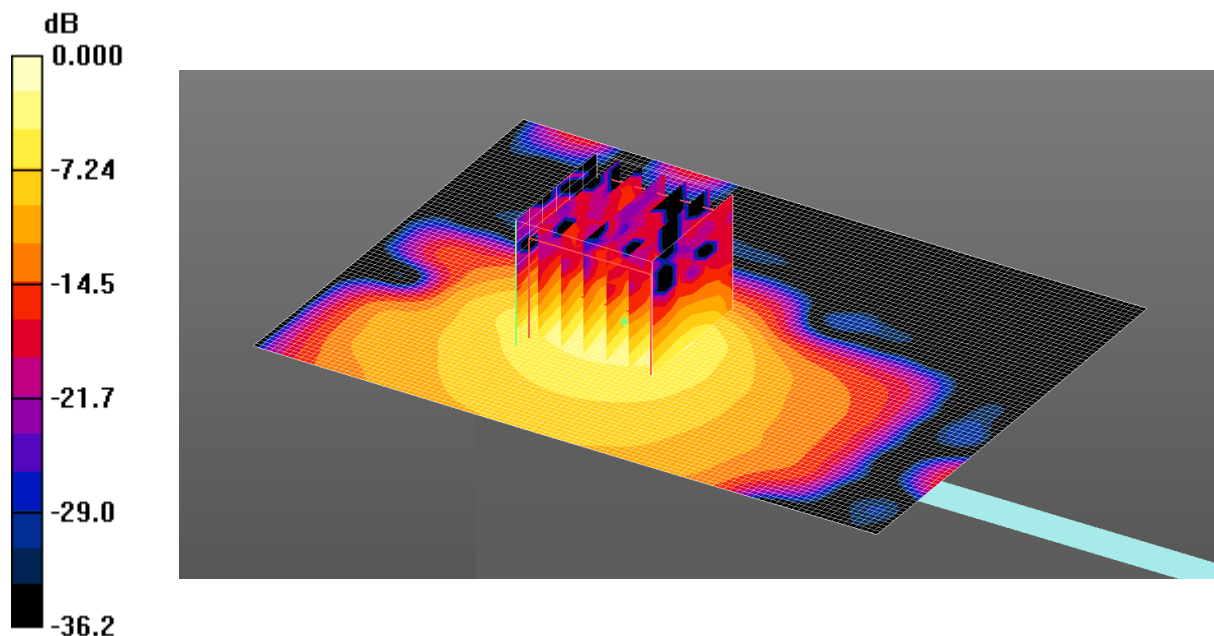
SAR(1 g) = 0.761 W/kg; SAR(10 g) = 0.236 W/kg

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

155: Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 2 13.5 Mbps SISO CH110 Variant 2

Date: 04/09/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.73 W/kg = 2.38 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5550 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used: $f = 5550$ MHz; $\sigma = 5.833$ S/m; $\epsilon_r = 47.893$; $\rho = 1000$ 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 - Middle 2 2 2/Area Scan (81x111x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.941 W/kg

Configuration/Bottom of EUT Facing Phantom - Middle 2 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 = 11.737 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.90 W/kg

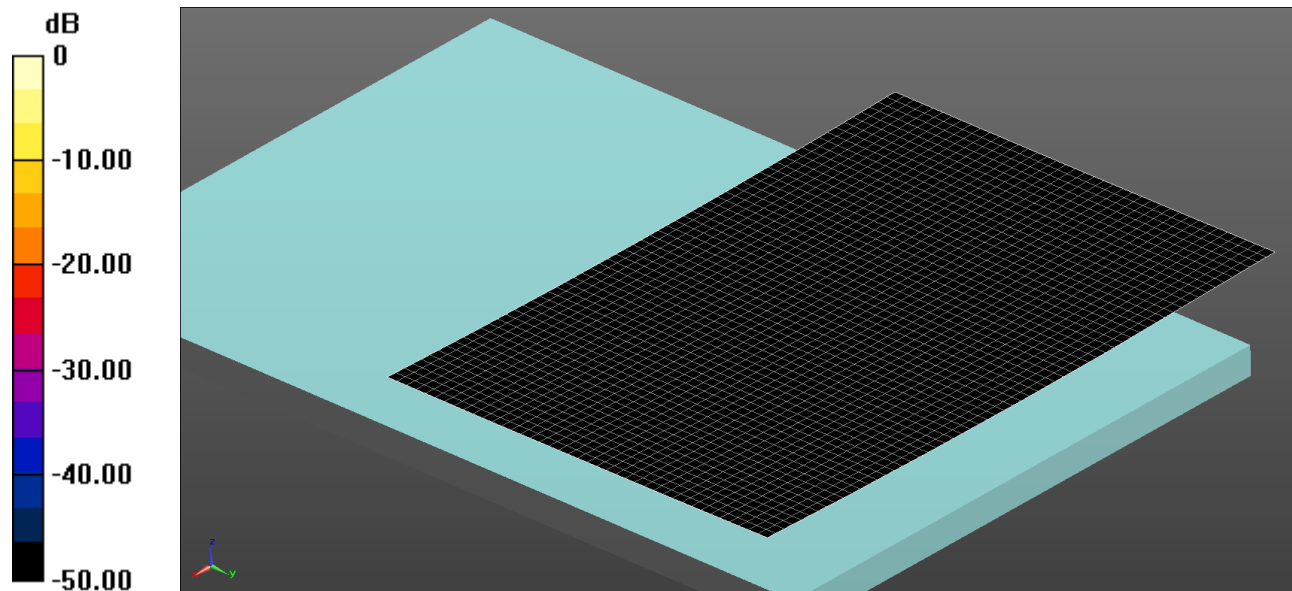
SAR(1 g) = 0.837 W/kg; SAR(10 g) = 0.253 W/kg

Maximum value of SAR (measured) = 1.73 W/kg

156: Back Of EUT Facing Phantom WiFi 802.11a 6Mbps SISO Ant 2 CH157

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: 5785 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.209$ S/m; $\epsilon_r = 46.249$; $\rho = 1000$ 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)

- 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)

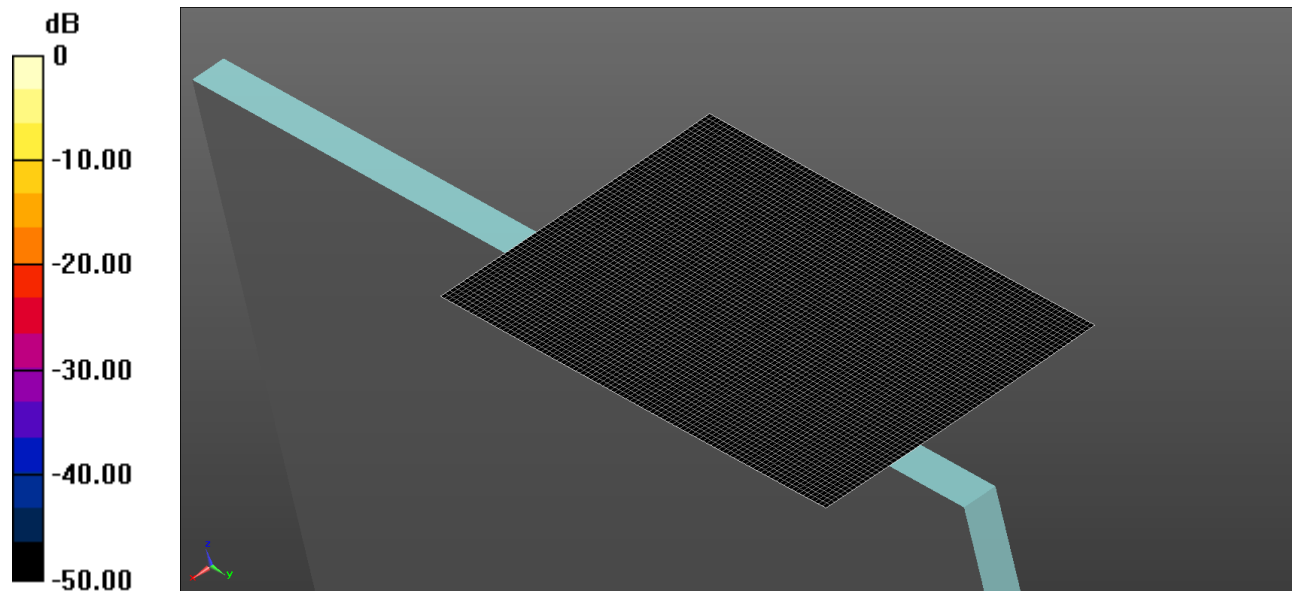
Configuration/Back of EUT Facing Phantom - High/Area Scan 2 (61x41x1): Interpolated grid: dx=2.500 mm, dy=2.500 mm

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

157: Right Of EUT Facing Phantom WiFi 802.11a 6Mbps SISO Ant 2 CH157

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: 5785 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.209$ S/m; $\epsilon_r = 46.249$; $\rho = 1000$ 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)

- 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)

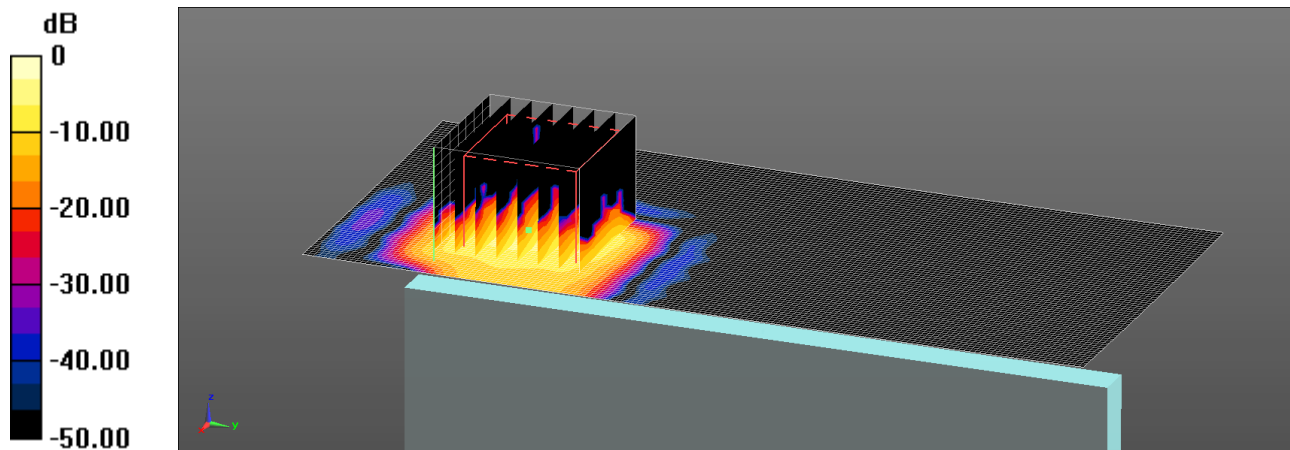
Configuration/Right of EUT Facing Phantom - High/Area Scan (61x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

158: Bottom Of EUT Facing Phantom WiFi 802.11a 6Mbps SISO Ant 2 CH157

Date: 3/9/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.713 W/kg = -1.47 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.057$ S/m; $\epsilon_r = 48.132$; $\rho = 1000$ 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 - Middle/Area Scan (71x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.732 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 = 7.896 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.23 W/kg

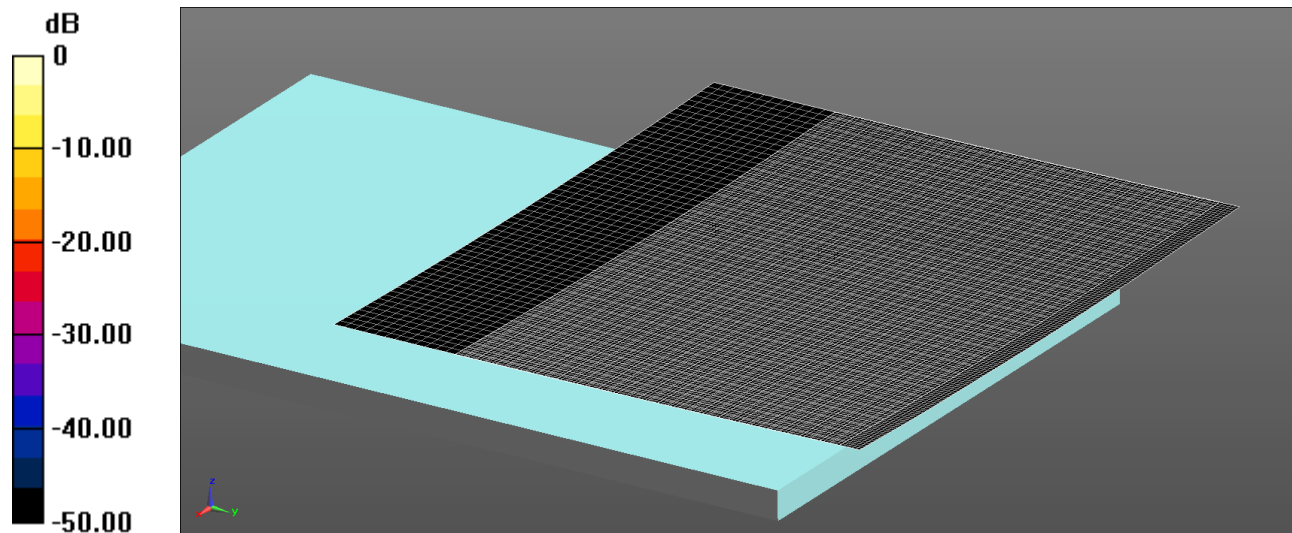
SAR(1 g) = 0.335 W/kg; SAR(10 g) = 0.097 W/kg

Maximum value of SAR (measured) = 0.713 W/kg

159: Back Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps SISO Ant 1 CH157

Date: 1/9/2014

DUT: A1601; Type: FCC ID: BCGA1601



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

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.057$ S/m; $\epsilon_r = 48.132$; $\rho = 1000$ 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)
- 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 - Middle/Area Scan 2 (61x51x1): Interpolated grid: dx=2.500 mm, dy=2.500 mm

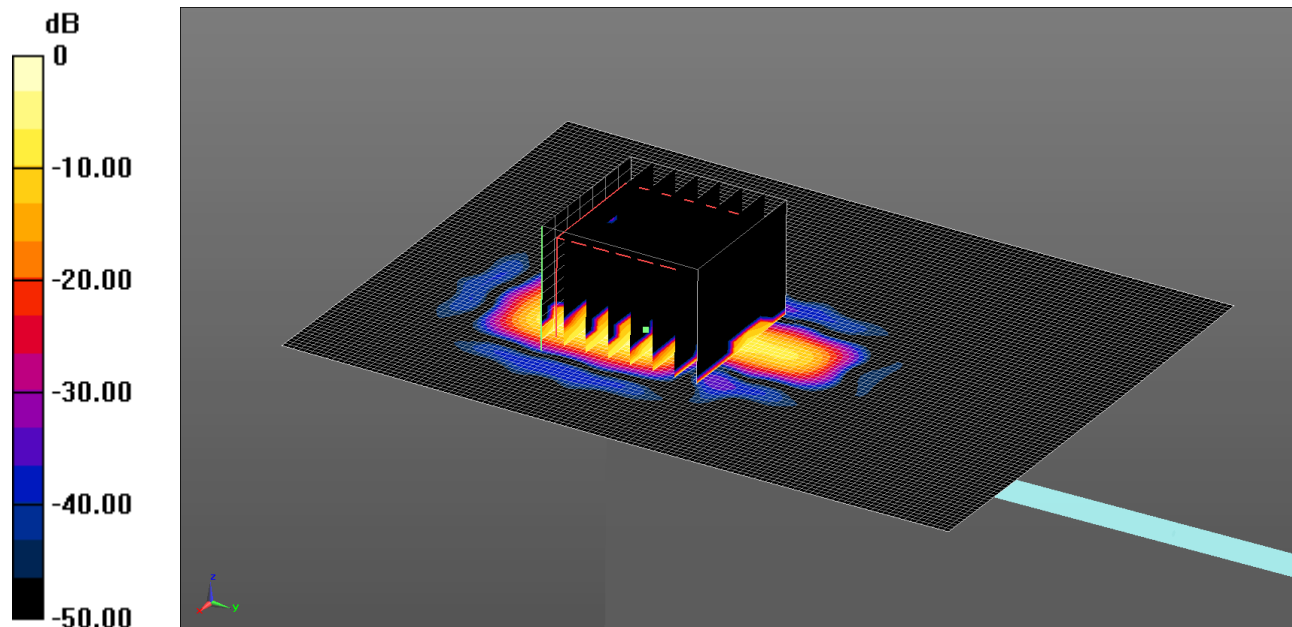
Maximum value of SAR (interpolated) = 0 W/kg

Configuration/Back of EUT Facing Phantom - Middle/Area Scan (151x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

1680: Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps SISO Ant 1 CH157

Date: 1/9/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.186 W/kg = -7.30 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.057$ S/m; $\epsilon_r = 48.132$; $\rho = 1000$ 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/Left Hand Side of EUT Facing Phantom - Middle/Area Scan (91x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.207 W/kg

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

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

Peak SAR (extrapolated) = 0.528 W/kg

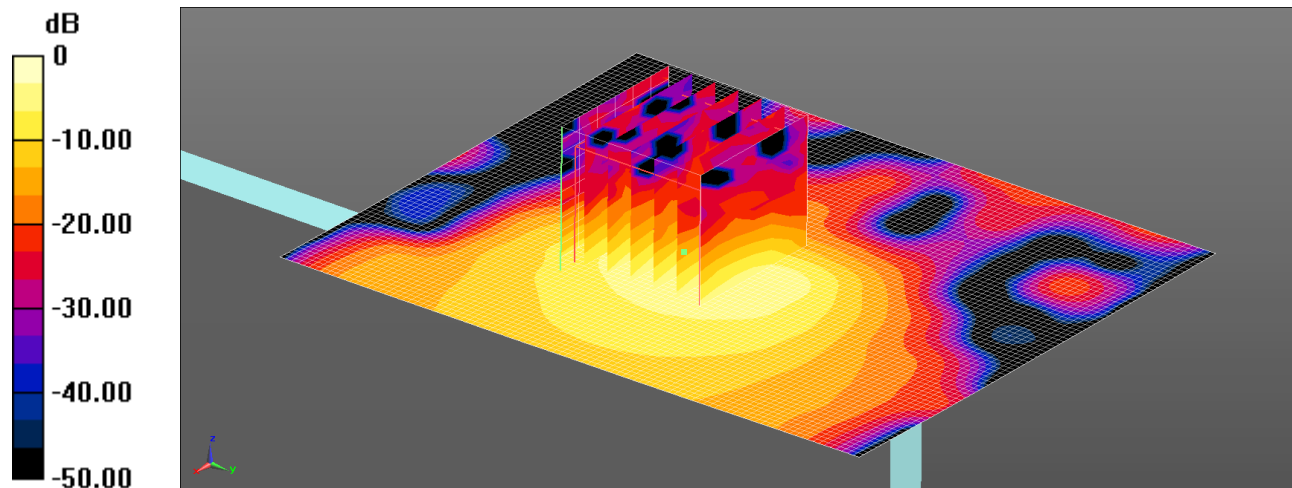
SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.025 W/kg

Maximum value of SAR (measured) = 0.186 W/kg

161: Bottom Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps SISO Ant 1 CH157

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: 5785 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.174$ S/m; $\epsilon_r = 47.573$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.27, 4.27, 4.27); 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 (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.745 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 = 9.761 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.54 W/kg

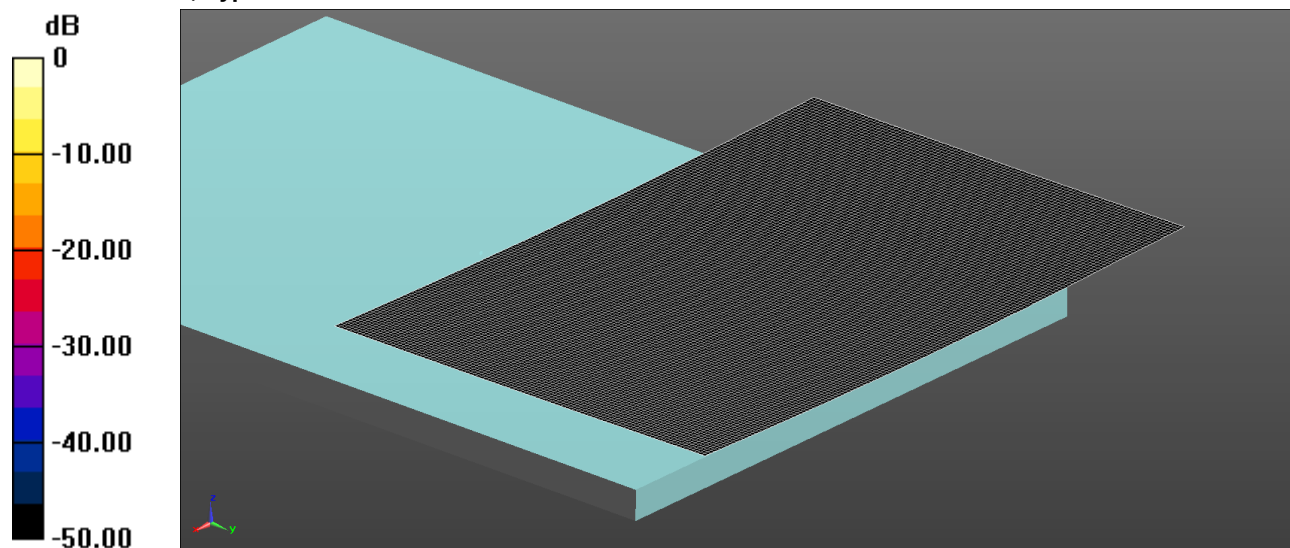
SAR(1 g) = 0.744 W/kg; SAR(10 g) = 0.234 W/kg

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

162: Back Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps SISO Ant 2 CH157

Date: 1/9/2014

DUT: A1601; Type: FCC ID: BCGA1601



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

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.057$ S/m; $\epsilon_r = 48.132$; $\rho = 1000$ 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)
- 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)

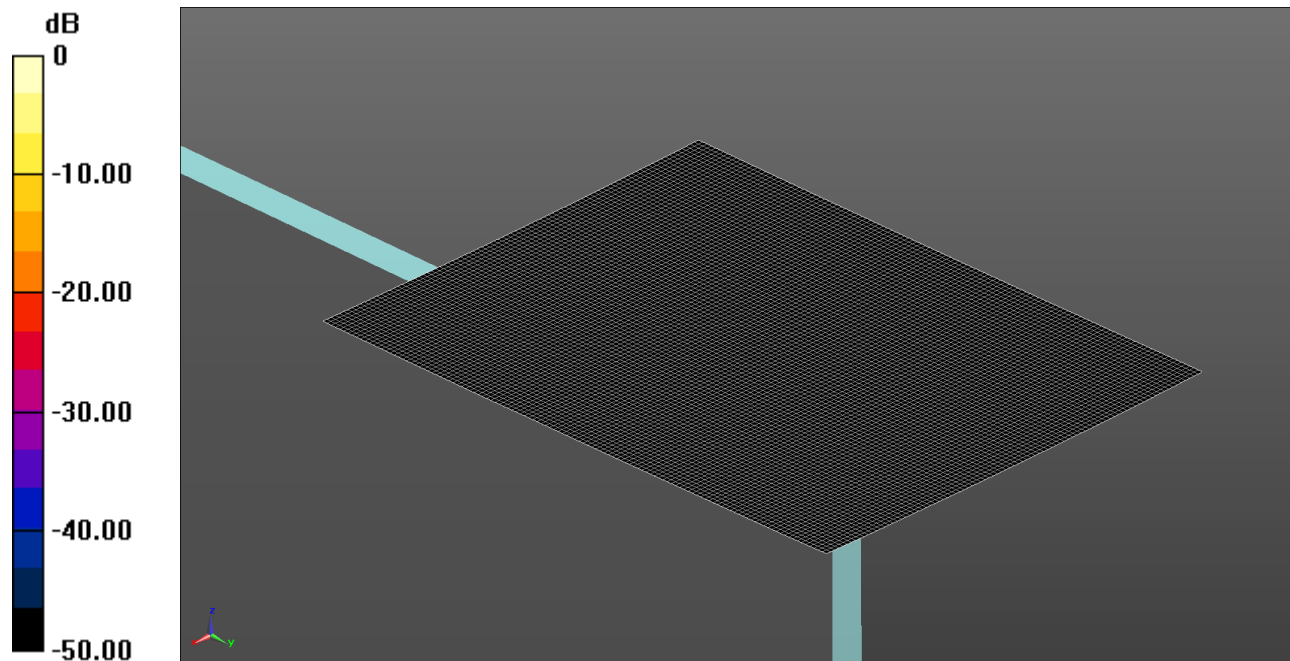
Configuration/Back of EUT Facing Phantom - Middle/Area Scan (151x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

163: Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps SISO Ant 2 CH157

Date: 1/9/2014

DUT: A1601; Type: FCC ID: BCGA1601



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

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.057$ S/m; $\epsilon_r = 48.132$; $\rho = 1000$ 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)
- 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 Hand Side of EUT Facing Phantom - Middle/Area Scan (91x121x1): Interpolated grid:

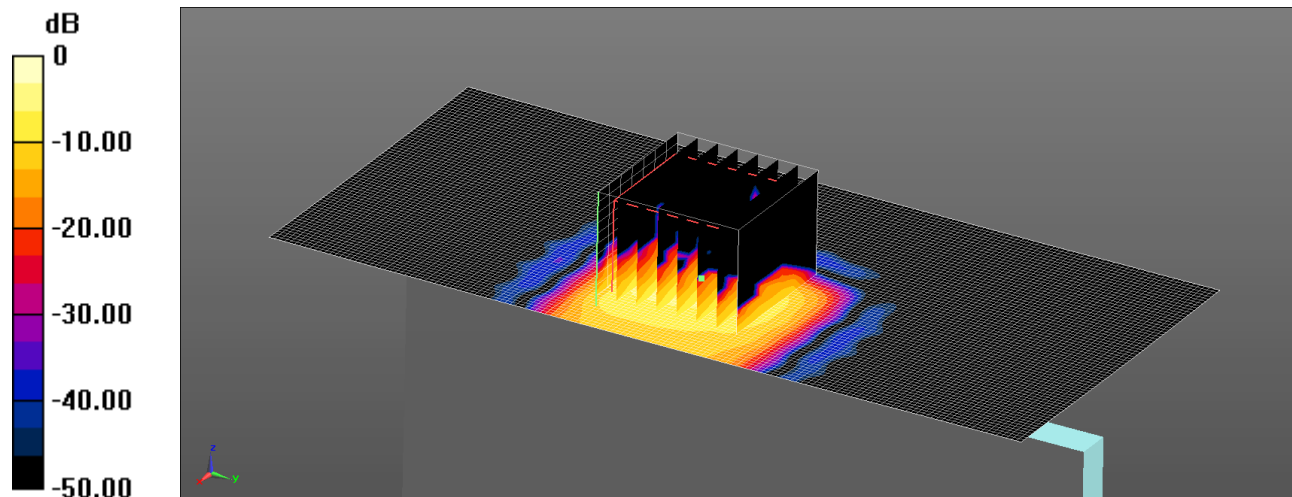
dx=1.000 mm, dy=1.000 mm

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

164: Bottom Side Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps SISO Ant 2 CH157

Date: 2/9/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.674 W/kg = -1.71 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.057$ S/m; $\epsilon_r = 48.132$; $\rho = 1000$ 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 2/Area Scan (71x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.709 W/kg

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

Reference Value = 7.546 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.28 W/kg

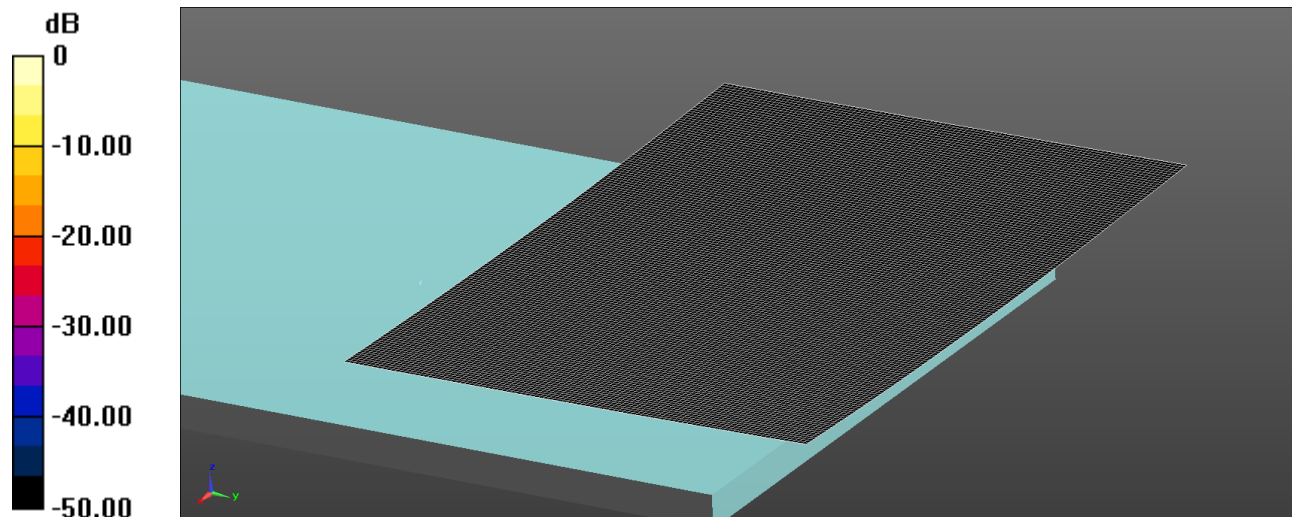
SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.100 W/kg

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

165: Back Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Ant 1&2 CH157

Date: 2/9/2014

DUT: A1601; Type: FCC ID: BCGA1601



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

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.057$ S/m; $\epsilon_r = 48.132$; $\rho = 1000$ 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)
- 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)

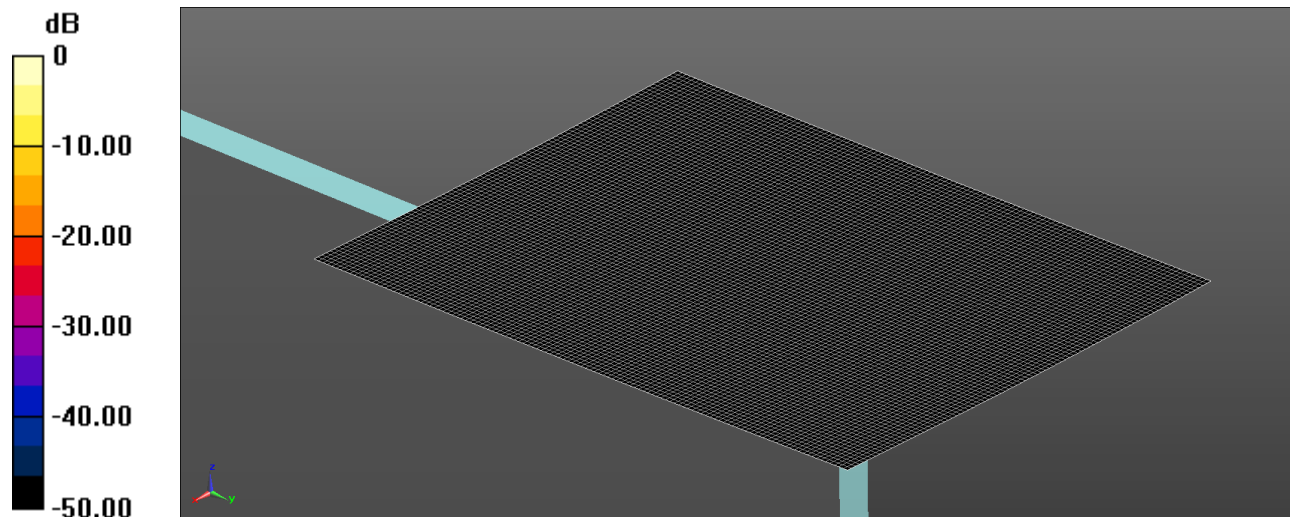
Configuration/Back of EUT Facing Phantom - Middle/Area Scan (151x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

166: Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Ant 1&2 CH157

Date: 2/9/2014

DUT: A1601; Type: FCC ID: BCGA1601



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

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.057$ S/m; $\epsilon_r = 48.132$; $\rho = 1000$ 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)
- 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 Hand Side of EUT Facing Phantom - Middle/Area Scan (91x121x1): Interpolated grid:

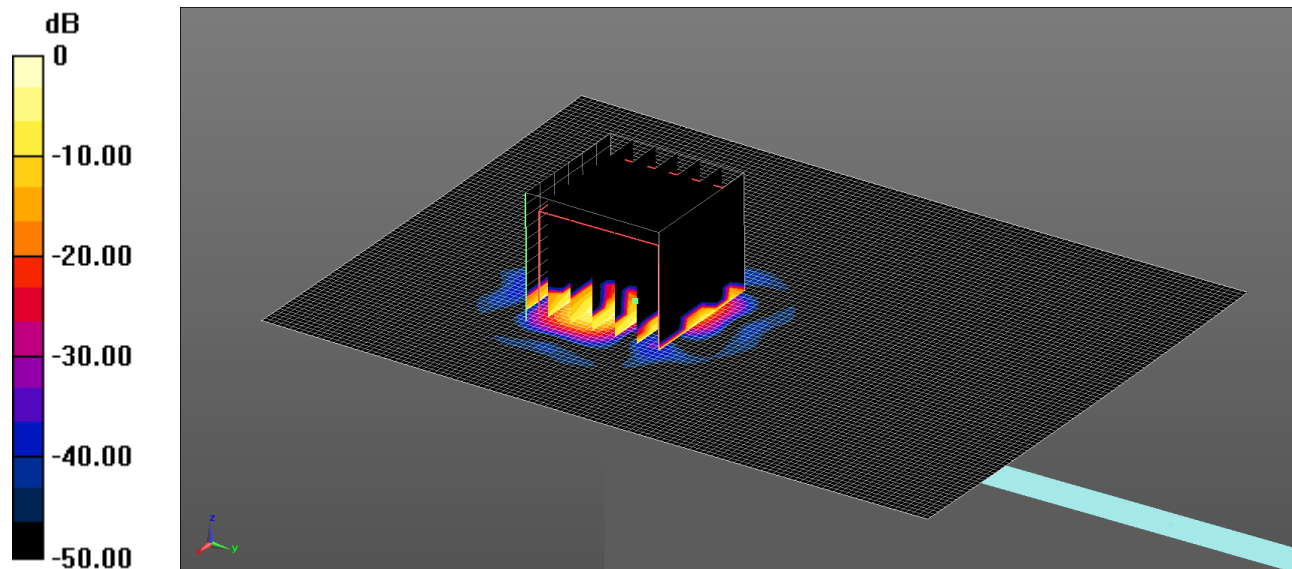
dx=1.000 mm, dy=1.000 mm

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

167: Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Ant 1&2 CH157

Date/Time: 2/9/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.137 W/kg = -8.63 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.057$ S/m; $\epsilon_r = 48.132$; $\rho = 1000$ 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/Left Hand Side of EUT Facing Phantom - Middle/Area Scan (91x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.126 W/kg

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

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

Peak SAR (extrapolated) = 0.676 W/kg

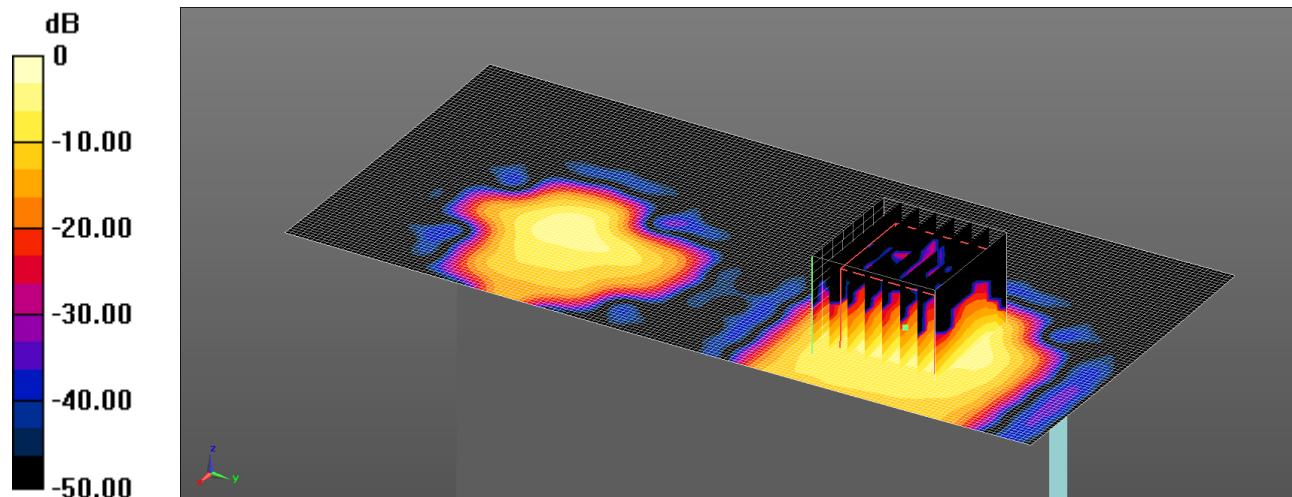
SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.021 W/kg

Maximum value of SAR (measured) = 0.137 W/kg

168: Bottom Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Ant 1&2 CH157

Date: 2/9/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.04 W/kg = 0.17 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.057$ S/m; $\epsilon_r = 48.132$; $\rho = 1000$ 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 - Middle/Area Scan (81x171x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.646 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 = 9.048 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.93 W/kg

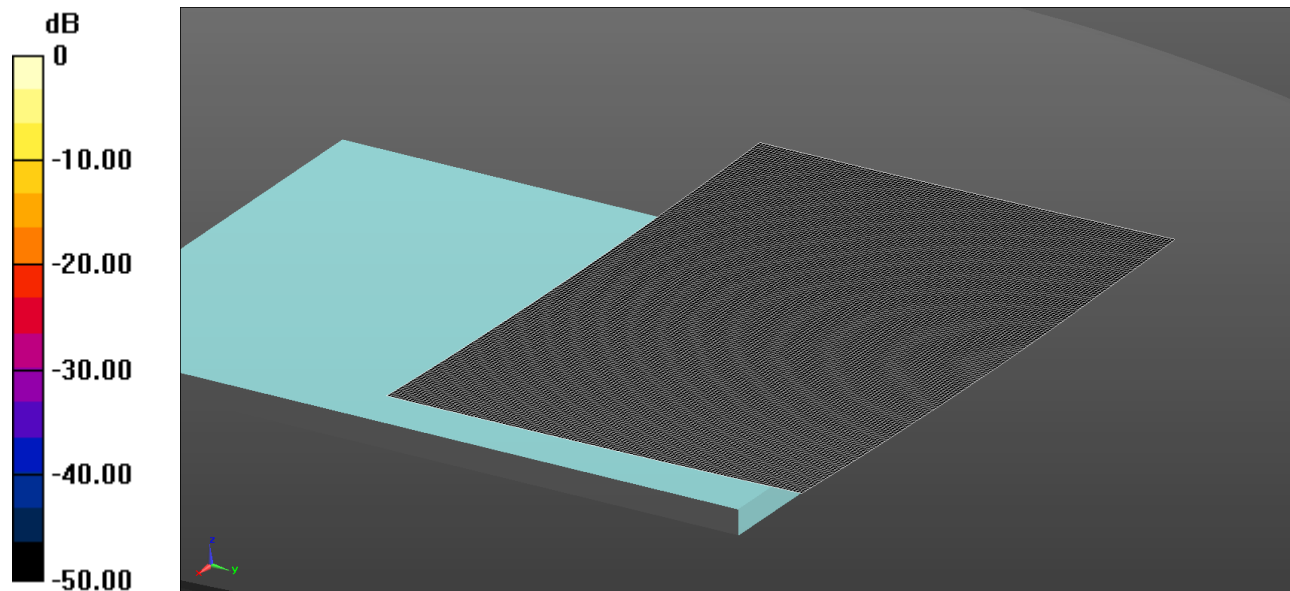
SAR(1 g) = 0.505 W/kg; SAR(10 g) = 0.179 W/kg

Maximum value of SAR (measured) = 1.04 W/kg

169: Back Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps SISO Ant 1 CH159

Date: 13/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



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

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5795 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 6.134$ S/m; $\epsilon_r = 46.315$; $\rho = 1000$ 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)
- 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)

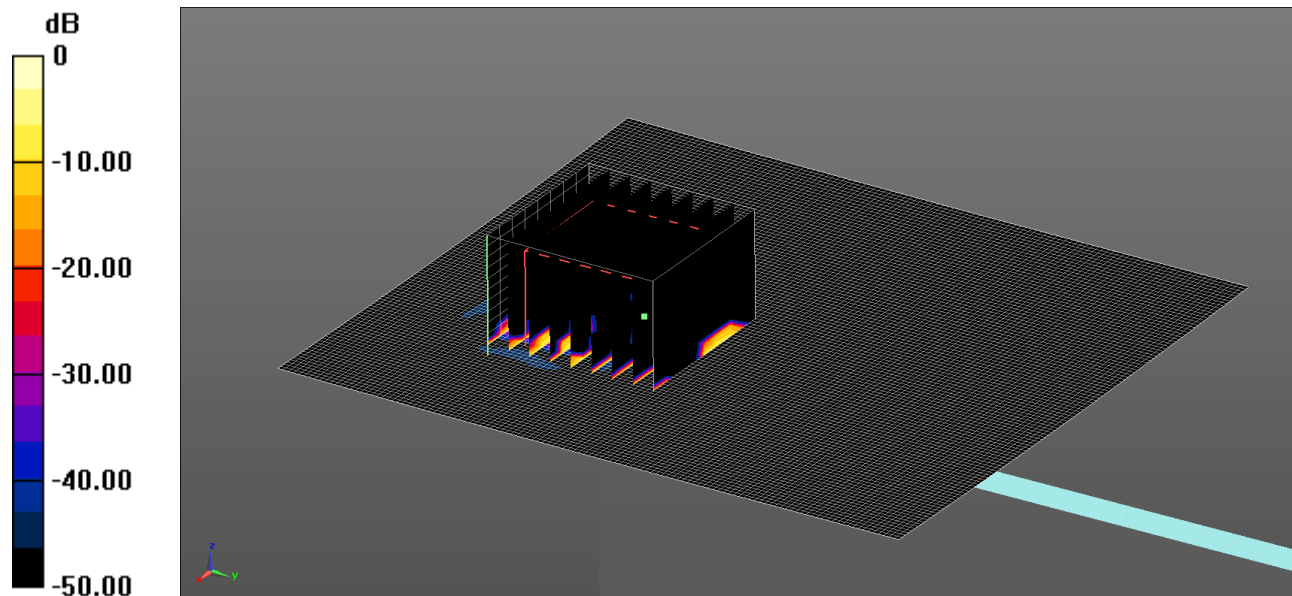
Configuration/Back of EUT Facing Phantom - High/Area Scan (171x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

170: Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps SISO Ant 1 CH159

Date: 13/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.116 W/kg = -9.36 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5795 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 6.134$ S/m; $\epsilon_r = 46.315$; $\rho = 1000$ 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/Left Hand Side of EUT Facing Phantom - High/Area Scan (111x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0366 W/kg

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

Reference Value = 2.755 V/m; Power Drift = 0.35 dB

Peak SAR (extrapolated) = 0.785 W/kg

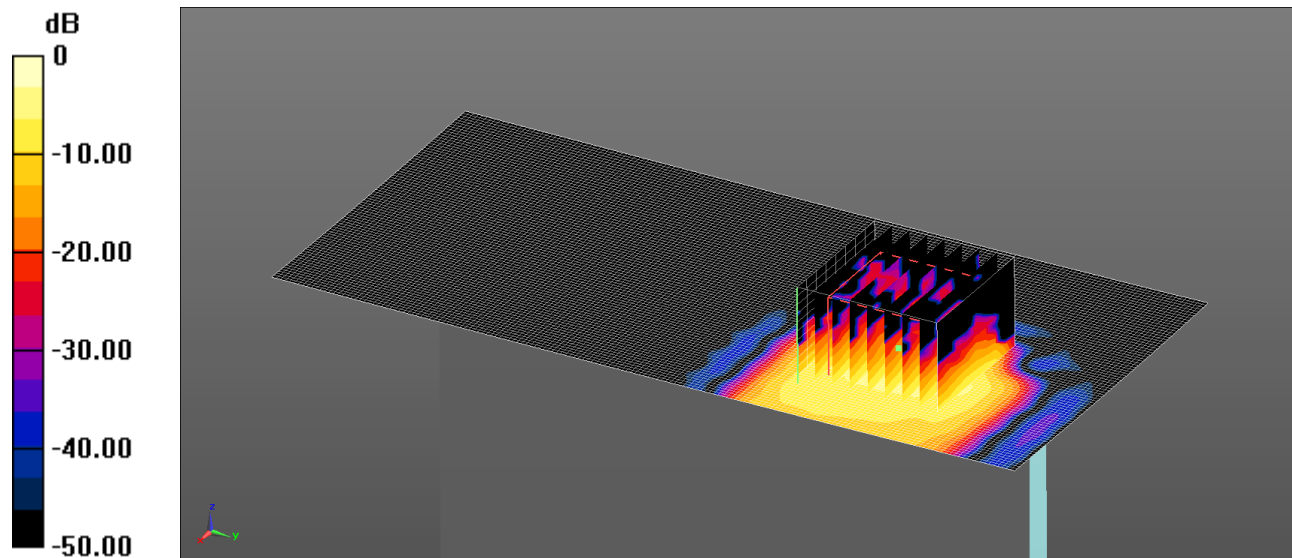
SAR(1 g) = 0.063 W/kg; SAR(10 g) = 0.022 W/kg

Maximum value of SAR (measured) = 0.116 W/kg

171: Bottom Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps SISO Ant 1 CH159

Date: 13/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.09 W/kg = 0.37 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5795 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 6.134$ S/m; $\epsilon_r = 46.315$; $\rho = 1000$ 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 (81x171x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.771 W/kg

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

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

Reference Value = 6.553 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.96 W/kg

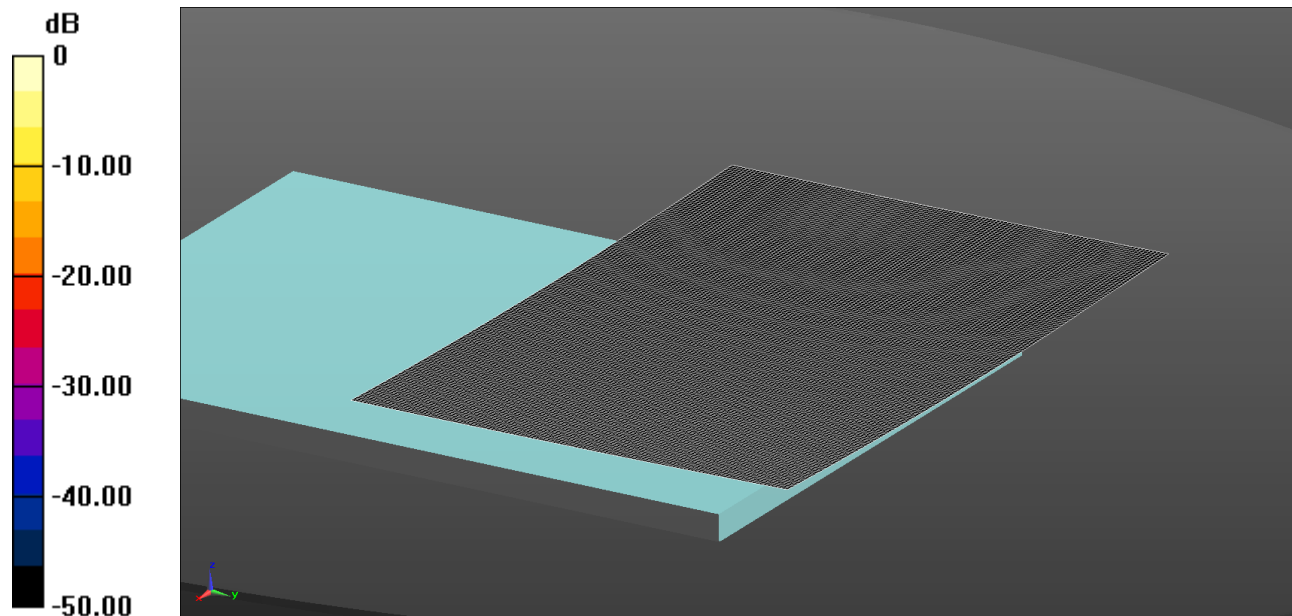
SAR(1 g) = 0.526 W/kg; SAR(10 g) = 0.188 W/kg

Maximum value of SAR (measured) = 1.09 W/kg

172: Back Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps SISO Ant 2 CH159

Date: 14/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



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

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5795 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 6.121$ S/m; $\epsilon_r = 46.227$; $\rho = 1000$ 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)
- 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)

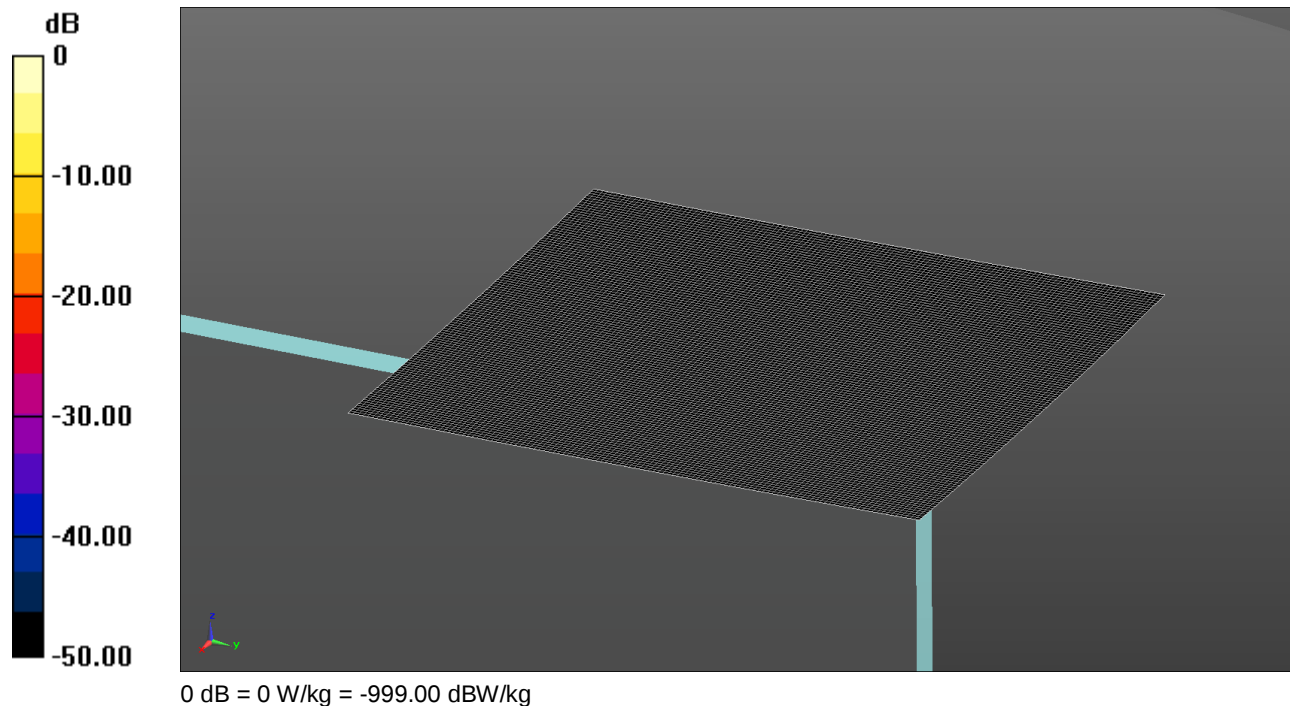
Configuration/Back of EUT Facing Phantom - High/Area Scan (171x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

173: Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps SISO Ant 2 CH159

Date: 14/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



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

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5795 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 6.121$ S/m; $\epsilon_r = 46.227$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

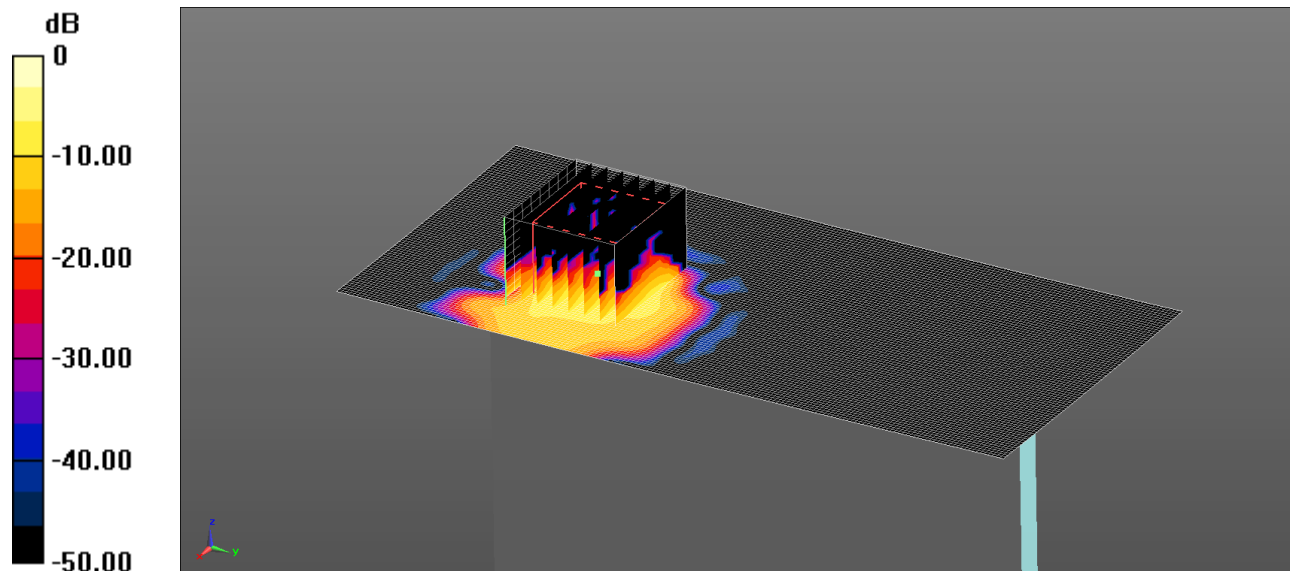
- Probe: EX3DV4 - SN3814; ConvF(3.96, 3.96, 3.96); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Right Hand Side of EUT Facing Phantom - High/Area Scan (111x121x1): Interpolated grid:
dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0 W/kg

174: Bottom Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps SISO Ant 2 CH159

Date: 14/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.840 W/kg = -0.76 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5795 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 6.121$ S/m; $\epsilon_r = 46.227$; $\rho = 1000$ 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 (81x171x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.741 W/kg

Configuration/Bottom 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 = 5.694 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.44 W/kg

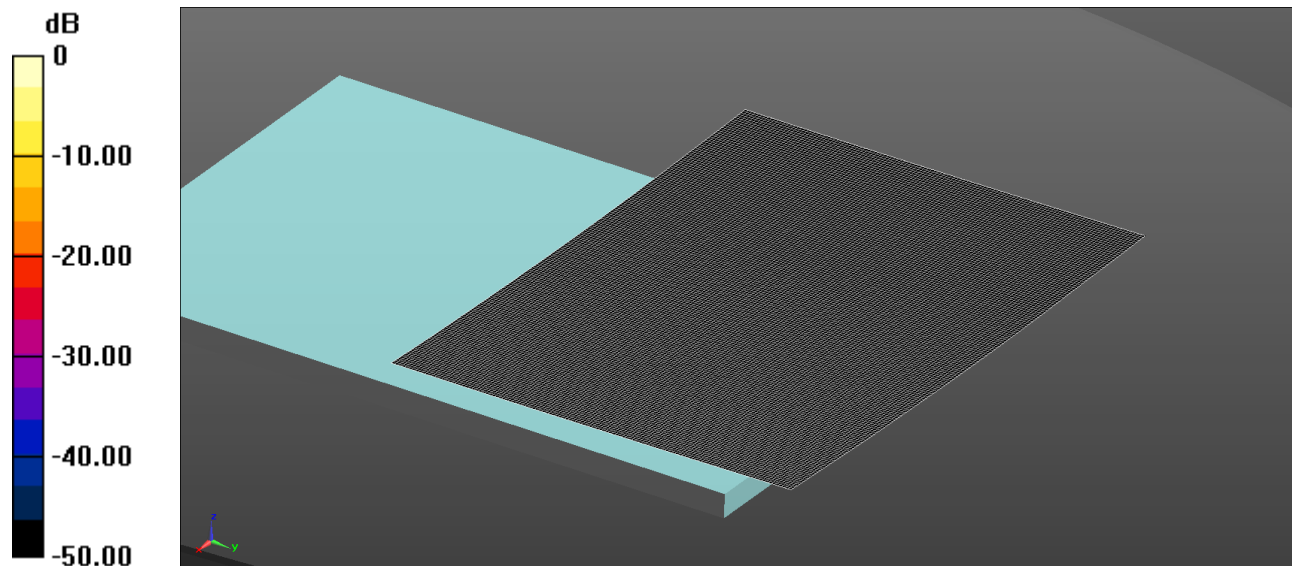
SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.124 W/kg

Maximum value of SAR (measured) = 0.840 W/kg

175: Back Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps MIMO Ant 1&2 CH159

Date: 14/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



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

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5795 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 6.121$ S/m; $\epsilon_r = 46.227$; $\rho = 1000$ 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)
- 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)

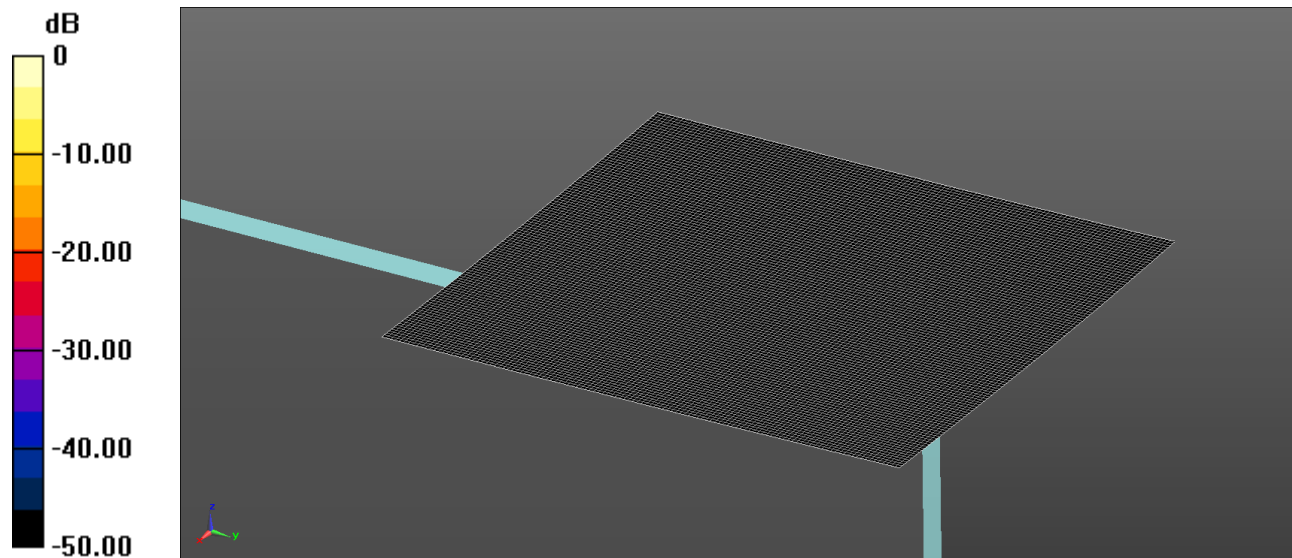
Configuration/Back of EUT Facing Phantom - High/Area Scan (171x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

176: Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps MIMO Ant 1&2 CH159

Date: 14/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



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

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5795 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 6.121$ S/m; $\epsilon_r = 46.227$; $\rho = 1000$ 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)
- 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 Hand Side of EUT Facing Phantom - High/Area Scan (111x121x1): Interpolated grid:

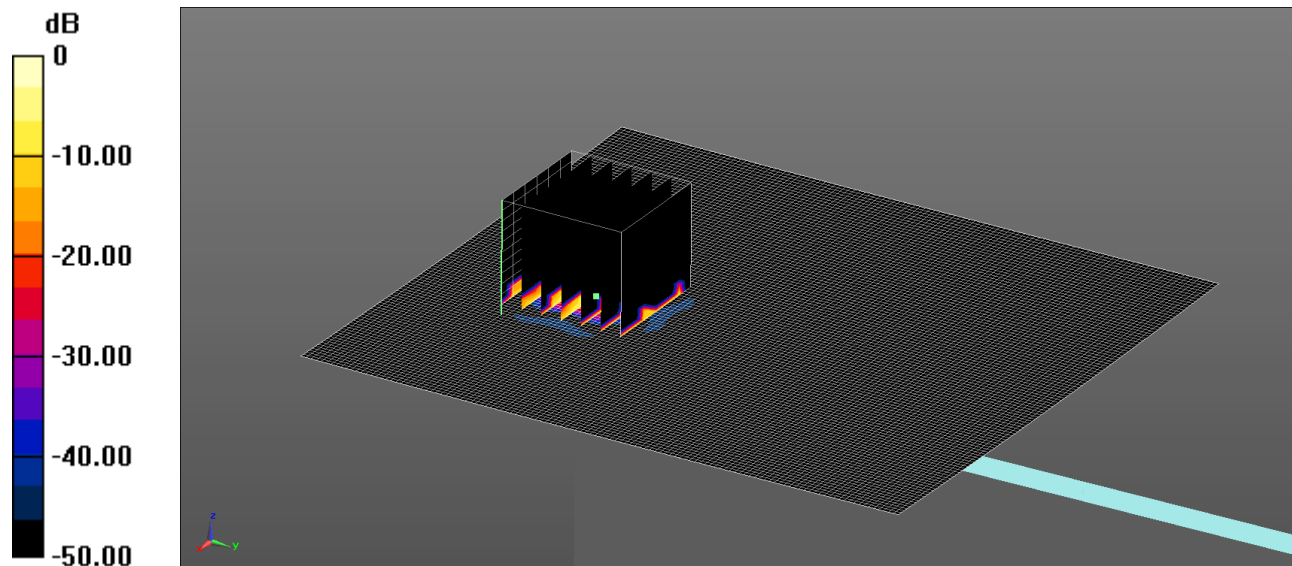
$dx=1.000$ mm, $dy=1.000$ mm

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

177: Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps MIMO Ant 1&2 CH159

Date: 14/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.103 W/kg = -9.87 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5795 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 6.121$ S/m; $\epsilon_r = 46.227$; $\rho = 1000$ 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/Left Hand Side of EUT Facing Phantom - High/Area Scan (111x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0297 W/kg

Configuration/Left Hand Side 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 = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.605 W/kg

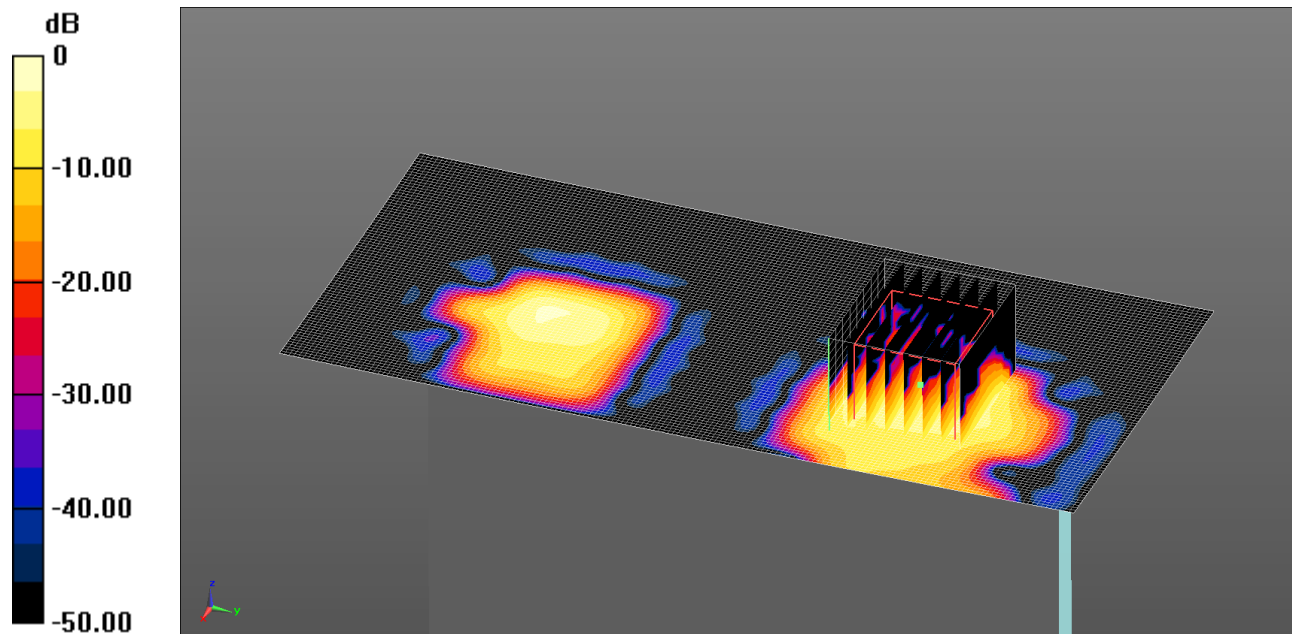
SAR(1 g) = 0.052 W/kg

Maximum value of SAR (measured) = 0.103 W/kg

178: Bottom Side Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps MIMO Ant 1&2 CH159

Date: 14/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.819 W/kg = -0.87 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5795 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 6.121$ S/m; $\epsilon_r = 46.227$; $\rho = 1000$ 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 (81x171x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.555 W/kg

Configuration/Bottom 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 = 5.508 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 3.27 W/kg

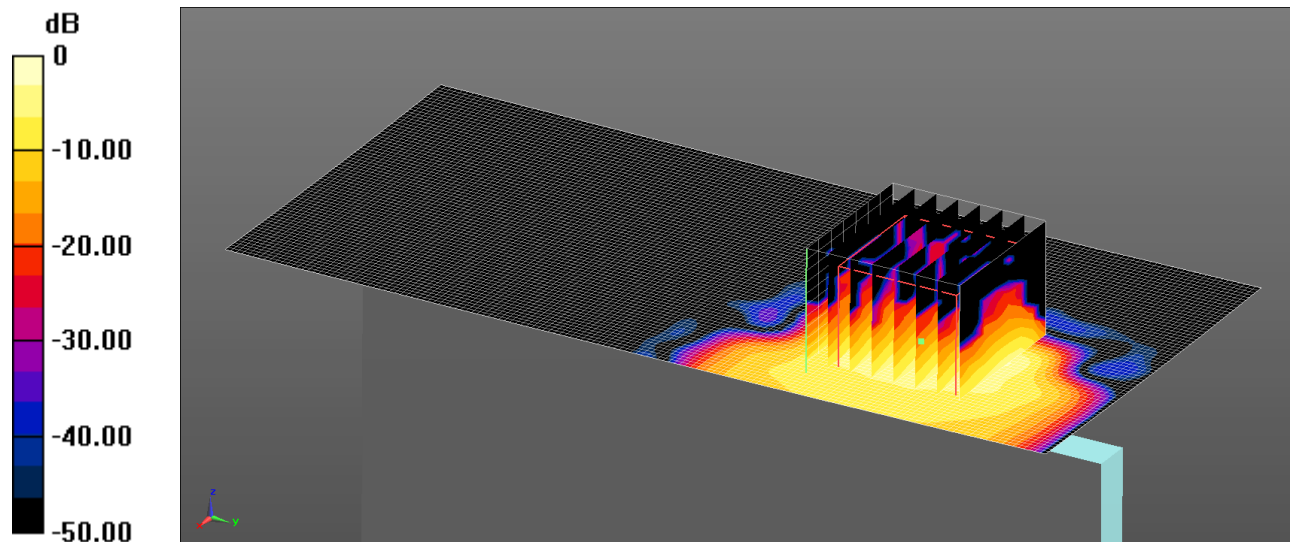
SAR(1 g) = 0.406 W/kg; SAR(10 g) = 0.141 W/kg

Maximum value of SAR (measured) = 0.819 W/kg

179: Bottom Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps SISO Ant 1 CH157 Variant 2

Date: 1/9/2014

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: 5785 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.057$ S/m; $\epsilon_r = 48.132$; $\rho = 1000$ 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 - Middle/Area Scan (71x151x1): 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/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (8x8x12)/Cube0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 8.464 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 2.00 W/kg

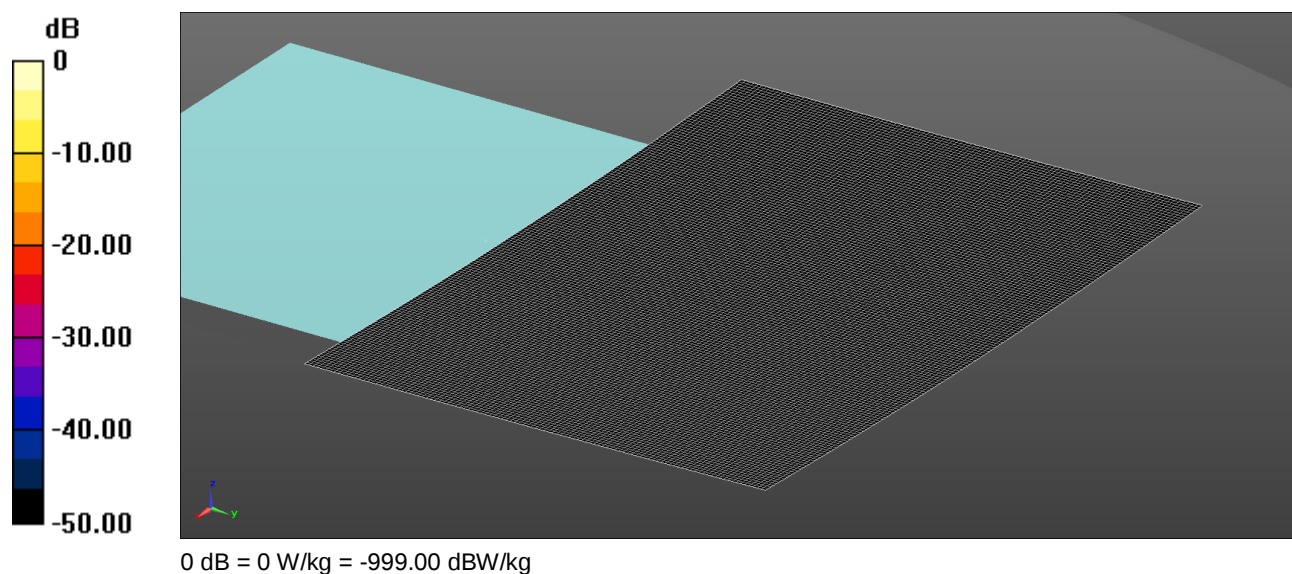
SAR(1 g) = 0.553 W/kg; SAR(10 g) = 0.201 W/kg

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

180: Back of EUT Facing Phantom BT BR Middle CH39

Date: 07/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



Communication System: UID 0, Bluetooth Basic Rate (0); Frequency: 2441 MHz; Duty Cycle: 1:4.76321
Medium: 2450 MHz MSL Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 2.004$ S/m; $\epsilon_r = 53.459$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.24, 7.24, 7.24); Calibrated: 09/05/2014;

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

- Electronics: DAE4 Sn1435; Calibrated: 15/04/2014

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

- ; SEMCAD X Version 14.6.10 (7164)

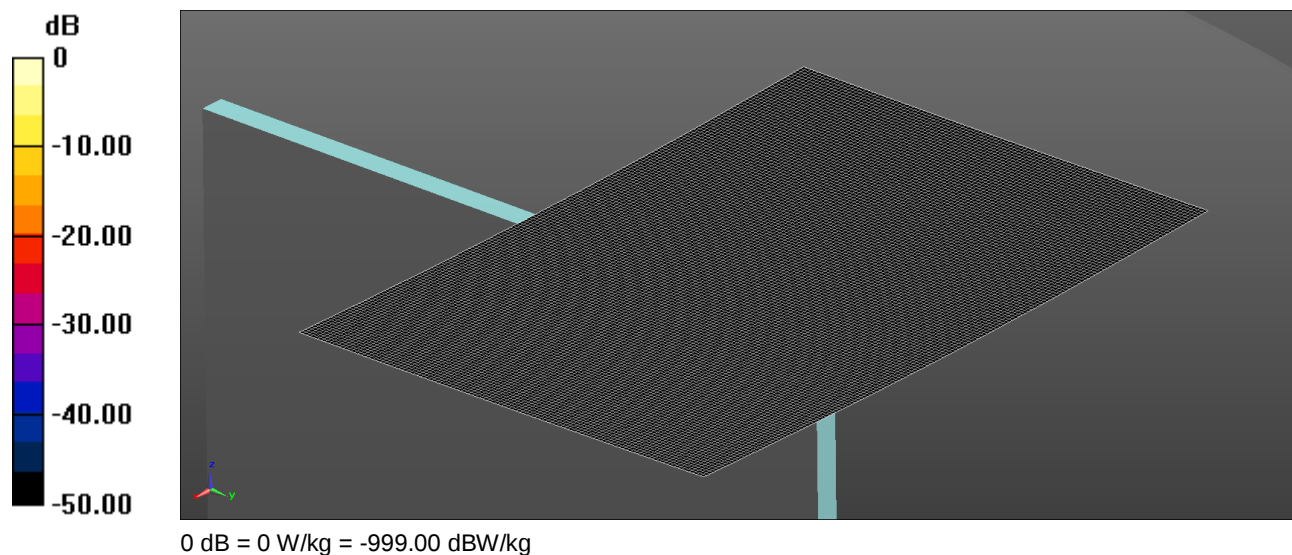
Configuration/Back of EUT Facing Phantom - Middle/Area Scan (161x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

181: Left Hand Side of EUT Facing Phantom BT BR Middle CH39

Date: 07/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



Communication System: UID 0, Bluetooth Basic Rate (0); Frequency: 2441 MHz; Duty Cycle: 1:4.76321
Medium: 2450 MHz MSL Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 2.004$ S/m; $\epsilon_r = 53.459$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

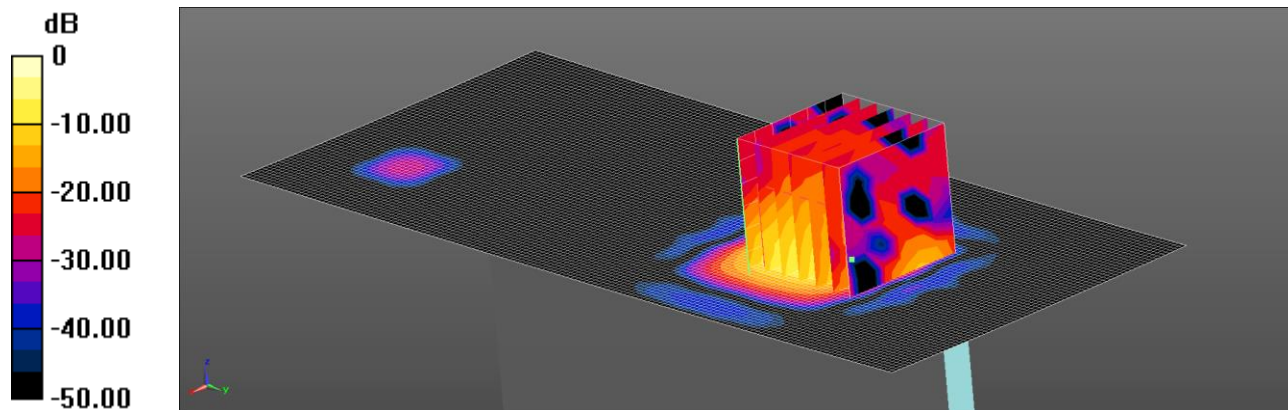
- Probe: EX3DV4 - SN3995; ConvF(7.24, 7.24, 7.24); Calibrated: 09/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Left of EUT Facing Phantom - Middle/Area Scan (161x111x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0 W/kg

182: Bottom of EUT Facing Phantom BT BR Middle CH39

Date: 07/08/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.120 W/kg = -9.20 dBW/kg

Communication System: UID 0, Bluetooth Basic Rate (0); Frequency: 2441 MHz; Duty Cycle: 1:4.76321

Medium: 2450 MHz MSL Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 2.004$ S/m; $\epsilon_r = 53.459$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.24, 7.24, 7.24); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- 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 (71x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

Configuration/Bottom of EUT Facing Phantom - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.014 V/m; Power Drift = -2.03 dB

Peak SAR (extrapolated) = 0.239 W/kg

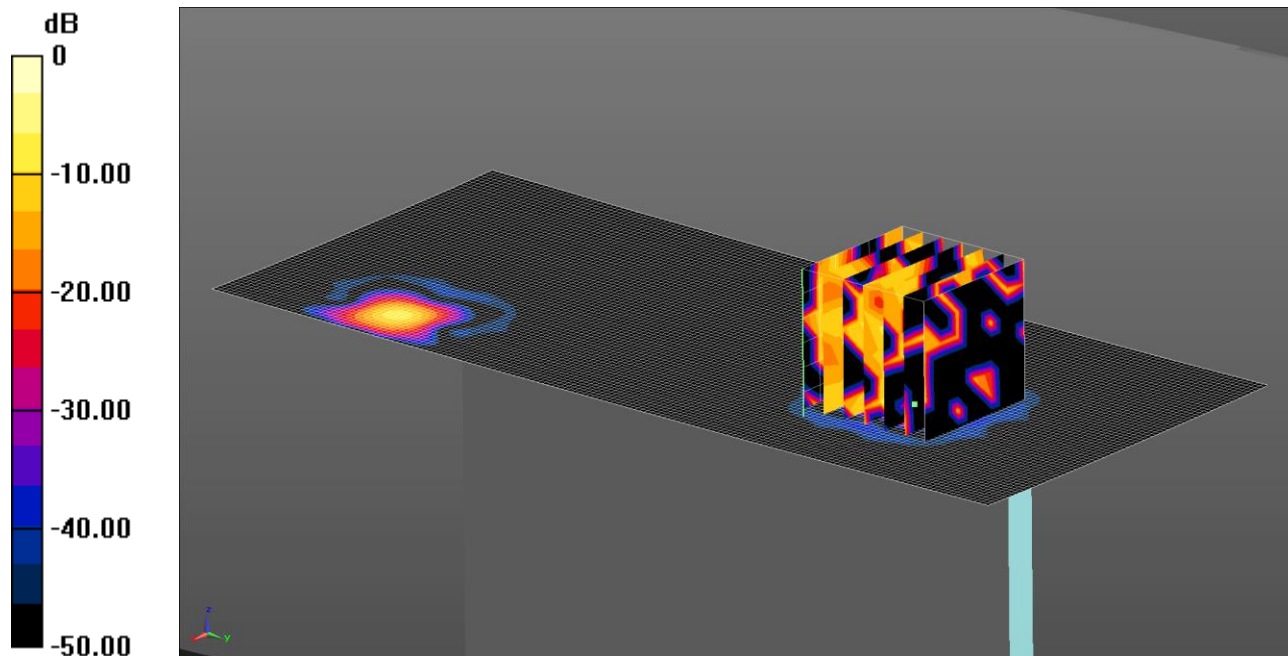
SAR(1 g) = 0.074 W/kg; SAR(10 g) = 0.021 W/kg

Maximum value of SAR (measured) = 0.149 W/kg

183: Bottom of EUT Facing Phantom BT BR Low CH0

Date: 08/08/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.00324 W/kg = -24.90 dBW/kg

Communication System: UID 0, Bluetooth Basic Rate (0); Frequency: 2402 MHz; Duty Cycle: 1:4.76321

Medium: 2450 MHz MSL Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.951$ S/m; $\epsilon_r = 53.516$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.24, 7.24, 7.24); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- 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 - Low/Area Scan (71x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.00324 W/kg

Configuration/Bottom of EUT Facing Phantom - Low/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.6790 V/m; Power Drift = 1.34 dB

Peak SAR (extrapolated) = 0.0150 W/kg

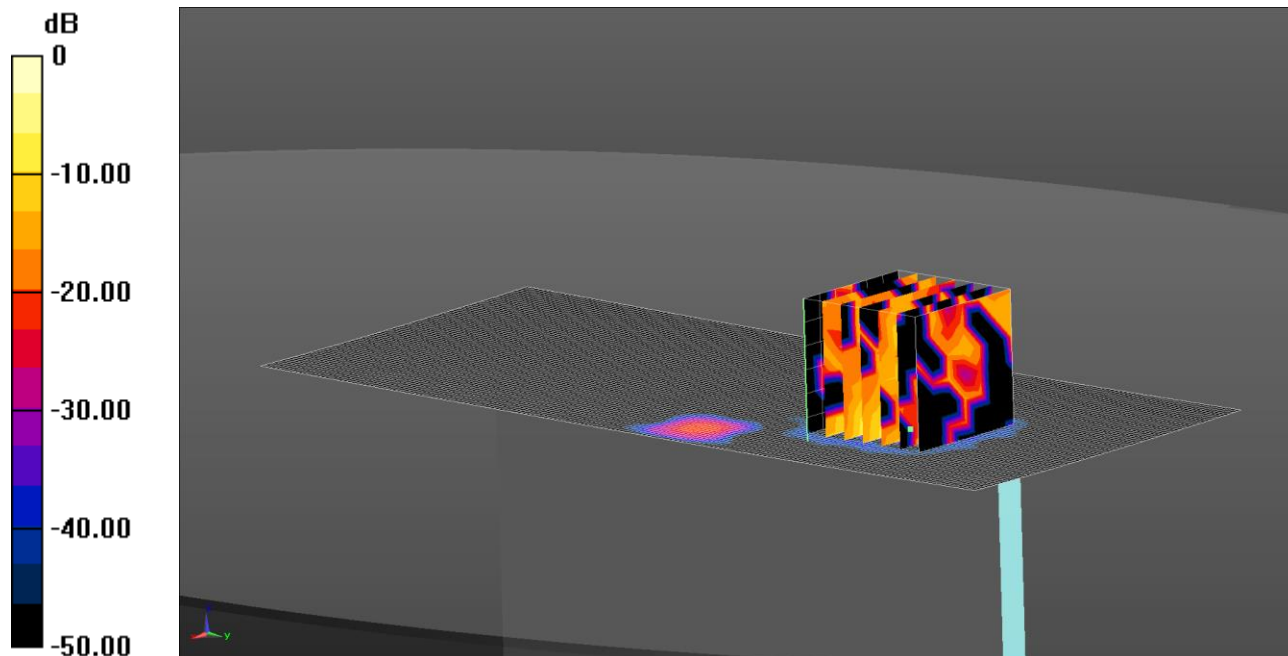
SAR(1 g) = 0.00221 W/kg; SAR(10 g) = 0.00027 W/kg

Maximum value of SAR (measured) = 0.00696 W/kg

184: Bottom of EUT Facing Phantom BT BR High CH78

Date: 08/08/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.00879 W/kg = -20.56 dBW/kg

Communication System: UID 0, Bluetooth Basic Rate (0); Frequency: 2480 MHz; Duty Cycle: 1:4.76321

Medium: 2450 MHz MSL Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 2.049$ S/m; $\epsilon_r = 53.347$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.24, 7.24, 7.24); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- 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 (71x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.00879 W/kg

Configuration/Bottom of EUT Facing Phantom - High/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 999.00 dB

Peak SAR (extrapolated) = 0.0260 W/kg

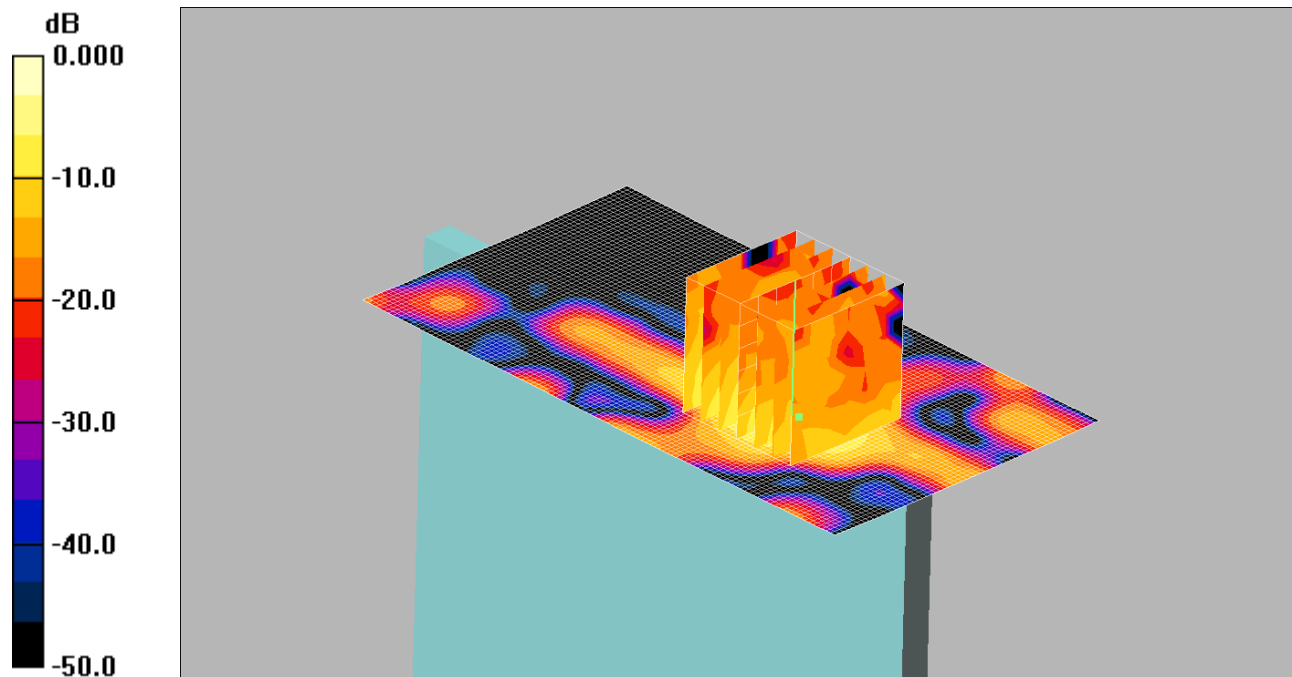
SAR(1 g) = 0.00672 W/kg; SAR(10 g) = 0.00107 W/kg

Maximum value of SAR (measured) = 0.0154 W/kg

185: Bottom of EUT Facing Phantom BT BR Middle CH39 Variant 2

Date: 04/09/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.026mW/g

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 2.03$ mho/m; $\epsilon_r = 50.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3304; ConvF(4.24, 4.24, 4.24);

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

- Electronics: DAE3 Sn432; Calibrated: 20/08/2014

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

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom of EUT Facing Phantom - Middle/Area Scan (61x111x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.027 mW/g

Bottom of EUT Facing Phantom - Middle/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.64 V/m; Power Drift = 0.259 dB

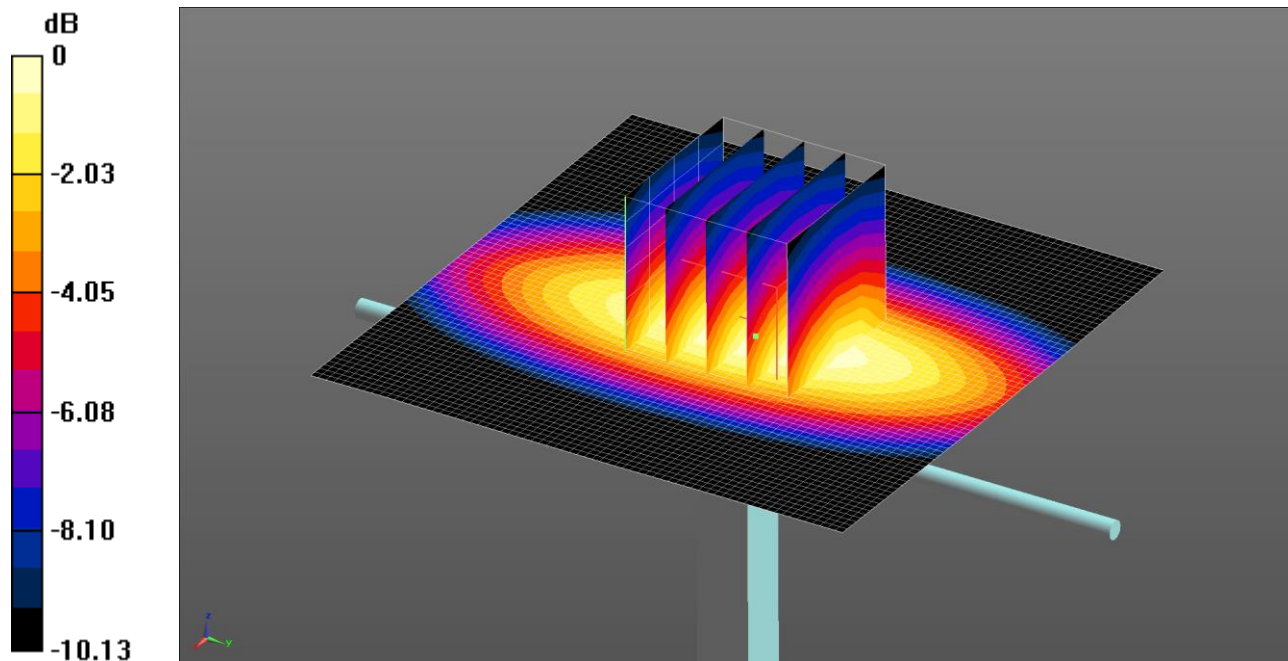
Peak SAR (extrapolated) = 0.094 W/kg

SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.00604 mW/g

Maximum value of SAR (measured) = 0.026 mW/g

186: System Performance Check 900MHz Body 17 07 14 Site 57

Date: 17/07/2014

DUT: Dipole 900 MHz; SN: 035; Type: D900V2; Serial: SN035

0 dB = 2.77 W/kg = 4.42 dBW/kg

Communication System: UID 0, CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used: $f = 900$ MHz; $\sigma = 1.027$ S/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.09, 6.09, 6.09); Calibrated: 22/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/d=15mm, Pin=250mW 2/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.76 W/kg

Configuration/d=15mm, Pin=250mW 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 53.778 V/m; Power Drift = 0.07 dB

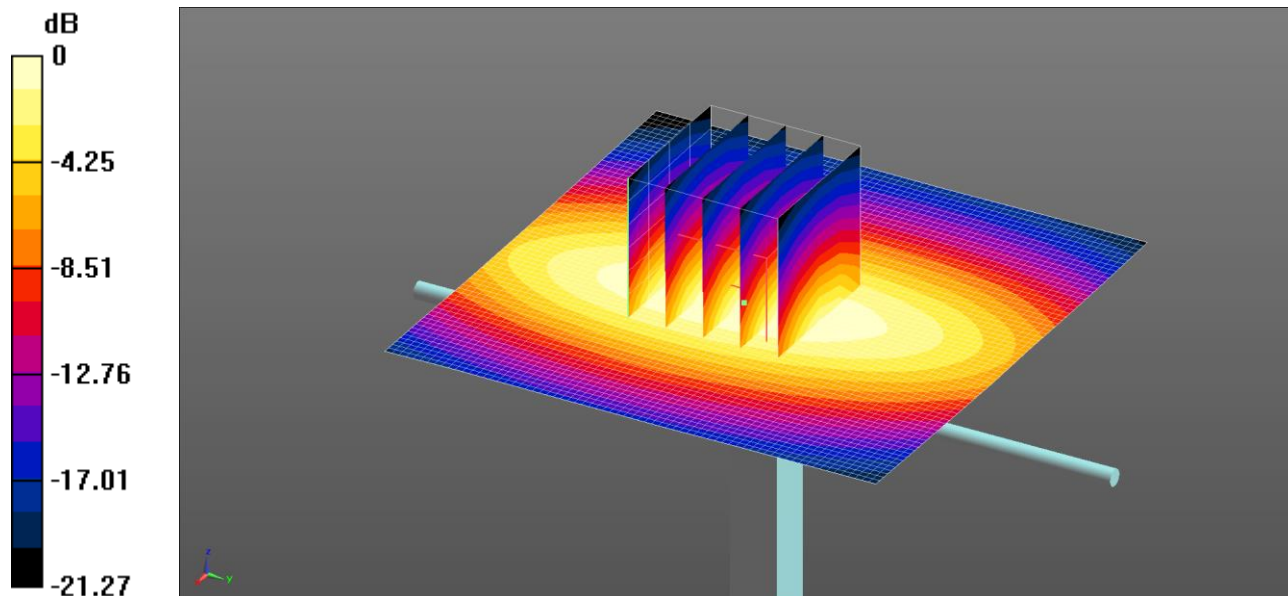
Peak SAR (extrapolated) = 3.37 W/kg

SAR(1 g) = 2.54 W/kg; SAR(10 g) = 1.7 W/kg

Maximum value of SAR (measured) = 2.77 W/kg

187: System Performance Check 900MHz Body 21 07 14 Site 57

Date 21/07/2014

DUT: Dipole 900 MHz; SN: 035; Type: D900V2; Serial: SN035

0 dB = 2.77 W/kg = 4.42 dBW/kg

Communication System: UID 0, CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1.02 \text{ S/m}$; $\epsilon_r = 56.348$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.09, 6.09, 6.09); Calibrated: 22/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/d=15mm, Pin=250mW/Area Scan (71x71x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.77 W/kg

Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 54.254 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.41 W/kg

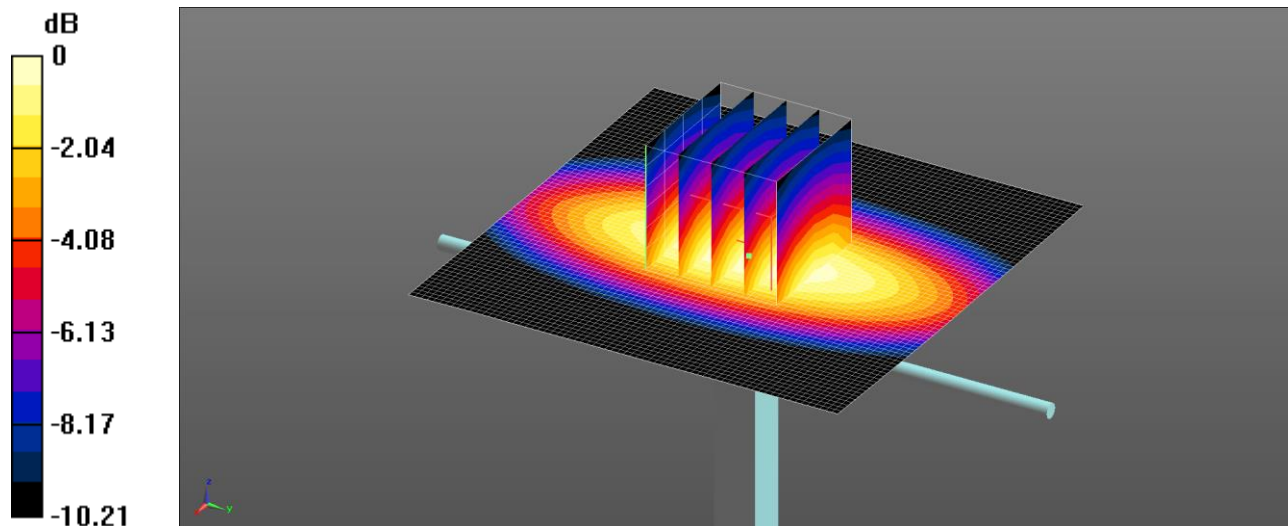
SAR(1 g) = 2.55 W/kg; SAR(10 g) = 1.7 W/kg

Maximum value of SAR (measured) = 2.78 W/kg

188: System Performance Check 900MHz Body 28 07 14 Site 57

Date: 28/07/2014

DUT: Dipole 900 MHz; SN: 035; Type: D900V2; Serial: SN035



0 dB = 2.78 W/kg = 4.44 dBW/kg

Communication System: UID 0, CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used: $f = 900$ MHz; $\sigma = 1.022$ S/m; $\epsilon_r = 53.44$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.09, 6.09, 6.09); Calibrated: 22/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

Configuration/d=15mm, Pin=250mW/Area Scan (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.78 W/kg

Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.858 V/m; Power Drift = -0.04 dB

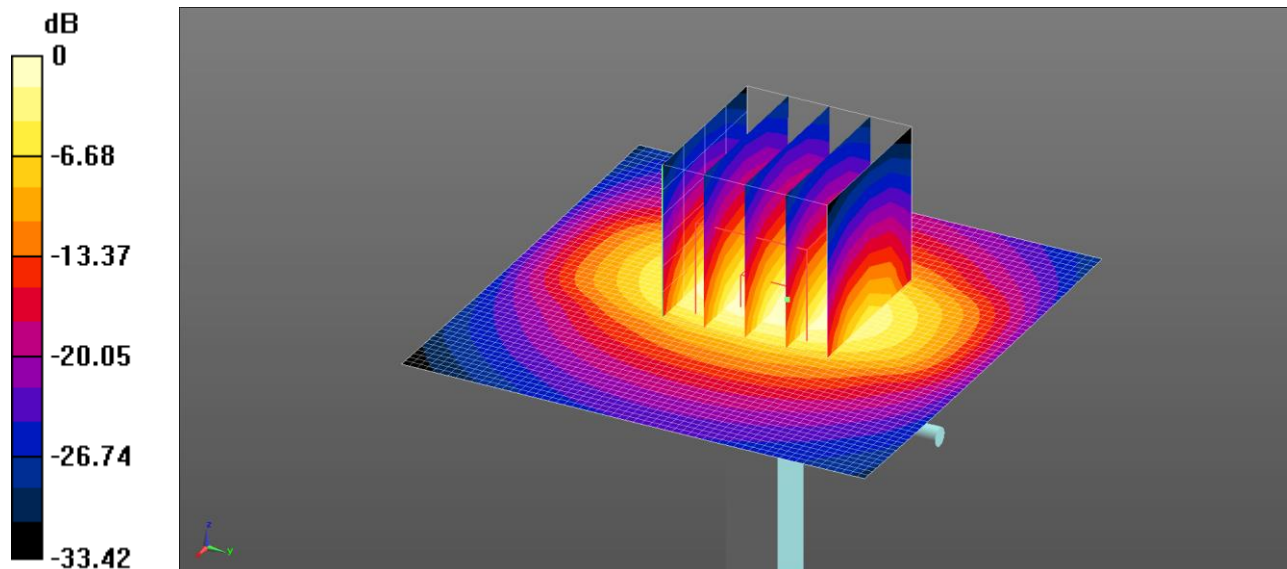
Peak SAR (extrapolated) = 3.41 W/kg

SAR(1 g) = 2.56 W/kg; SAR(10 g) = 1.71 W/kg

Maximum value of SAR (measured) = 2.78 W/kg

189: System Performance Check 1900MHz Body 17 07 14 Site 61

Date: 17/07/2014

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN537

0 dB = 11.9 W/kg = 10.74 dBW/kg

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 MHz /MSL Medium parameters used: $f = 1900$ MHz; $\sigma = 1.561$ S/m; $\epsilon_r = 52.254$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

SAR/d=15mm, Pin=250 mW, dist=10.0mm (ET-Probe) 2/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 11.9 W/kg

SAR/d=15mm, Pin=250 mW, dist=10.0mm (ET-Probe) 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement

grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 83.872 V/m; Power Drift = 0.06 dB

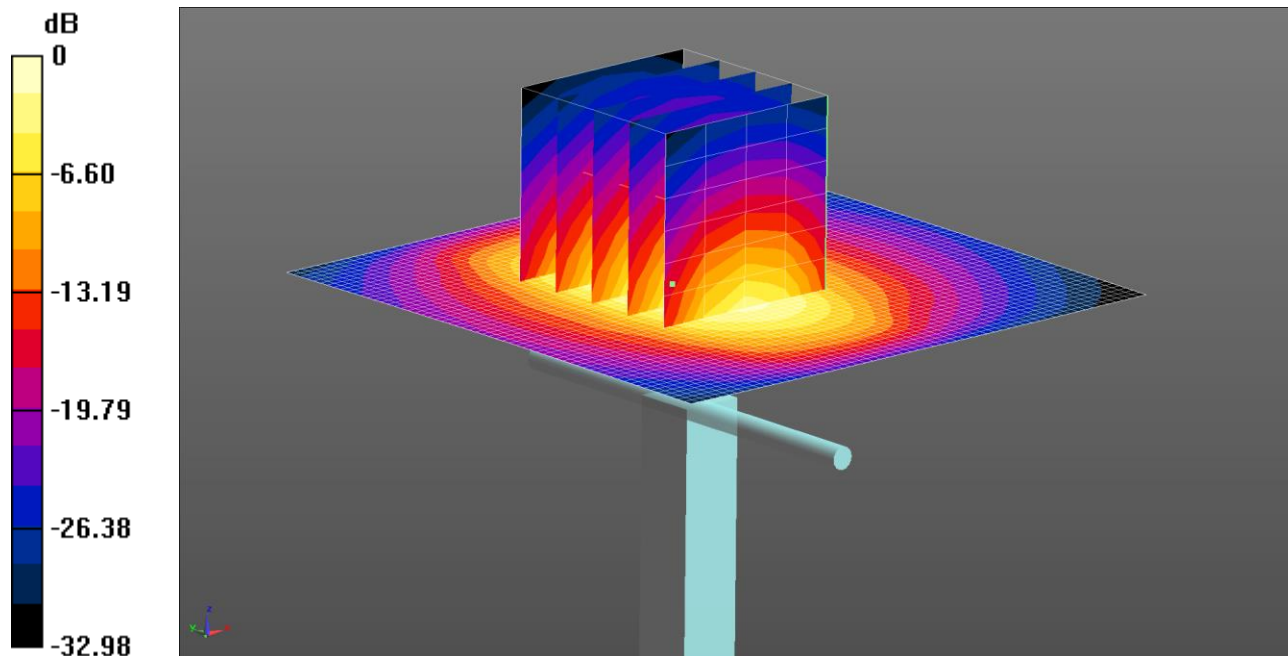
Peak SAR (extrapolated) = 18.4 W/kg

SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.21 W/kg

Maximum value of SAR (measured) = 11.3 W/kg

190: System Performance Check 1900MHz Body 21 07 14 Site 61

Date: 21/07/14

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN537

0 dB = 12.1 W/kg = 10.82 dBW/kg

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 MHz /MSL Medium parameters used: $f = 1900$ MHz; $\sigma = 1.528$ S/m; $\epsilon_r = 52.578$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;

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

- Electronics: DAE4 Sn1435; Calibrated: 15/04/14

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

- ; SEMCAD X Version 14.6.10 (7331)

SAR/d=15mm, Pin=250 mW, dist=10.0mm (ET-Probe) 2/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 12.1 W/kg

SAR/d=15mm, Pin=250 mW, dist=10.0mm (ET-Probe) 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 86.91 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 18.9 W/kg

SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.4 W/kg

Maximum value of SAR (measured) = 11.6 W/kg