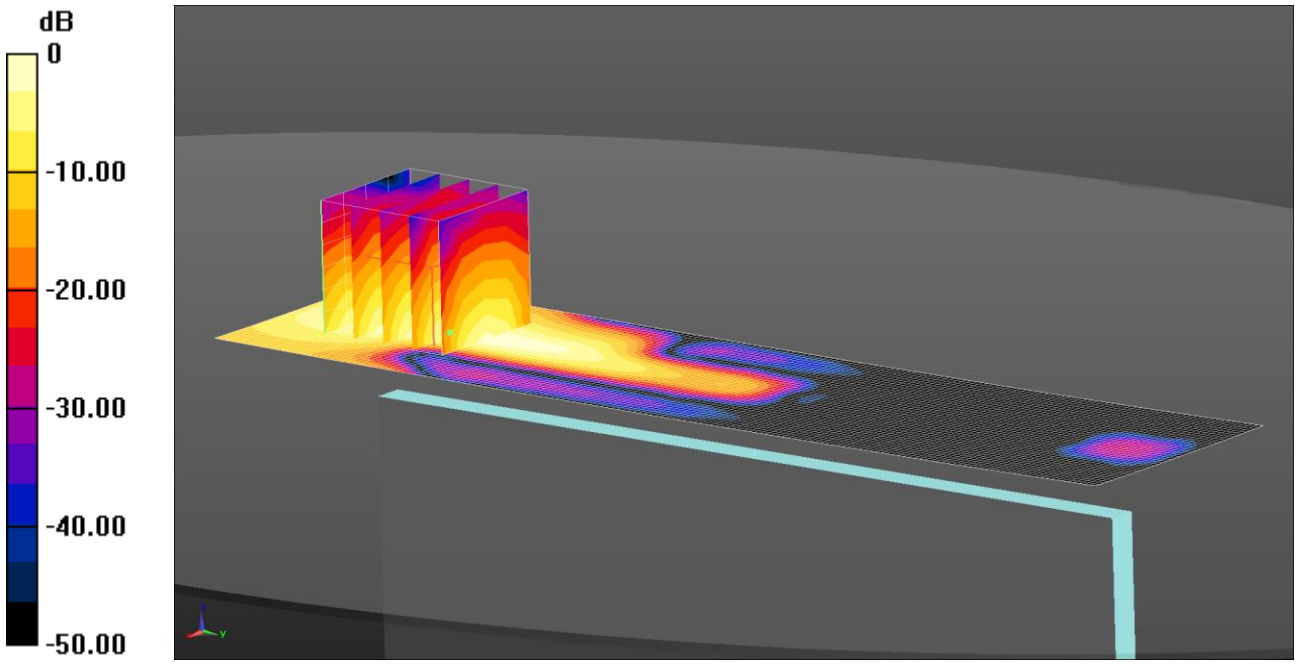
068: Right of EUT Facing Phantom CDMA BC1 RC3 S032 High CH600
Date: 28/07/14
DUT: A1600; Type: FCC ID: BCGA1600 Sample1

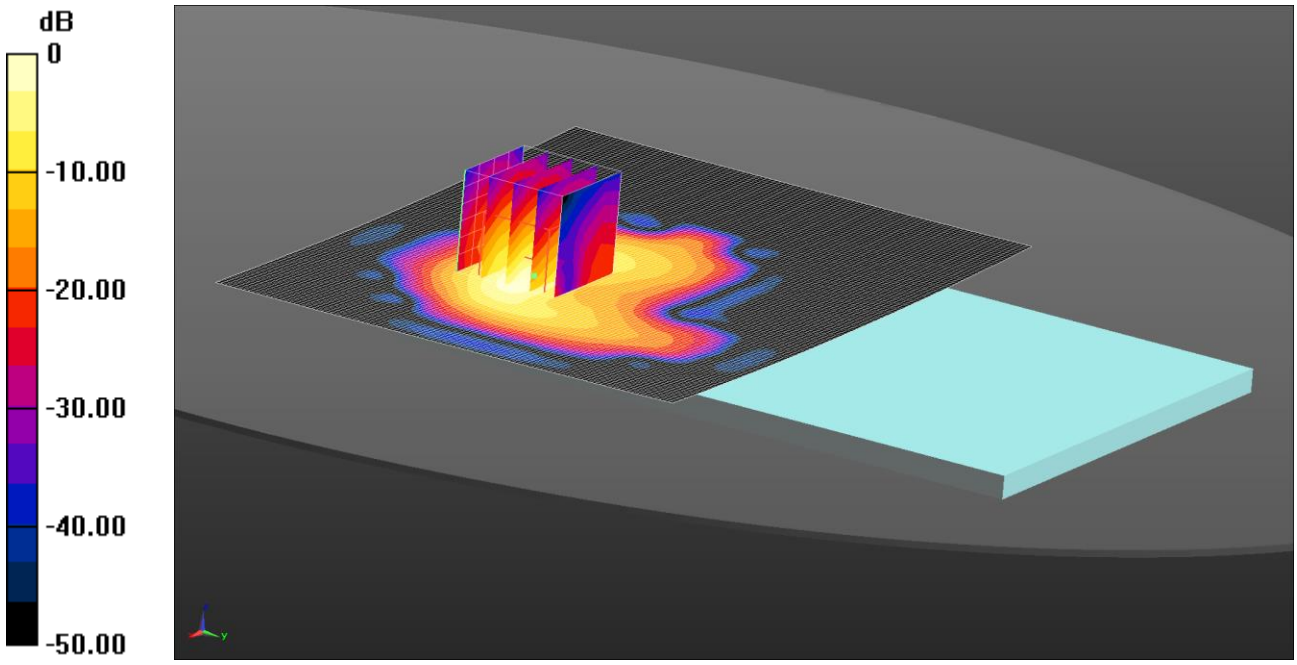


0 dB = 0.142 W/kg = -8.49 dBW/kg

Communication System: UID 0, CDMA2000 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.538 S/m; ε_r = 51.97; ρ = 1000 kg/m^3
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)

Configuration/Right of EUT Facing Phantom - Mid/Area Scan (41x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.142 W/kg
Configuration/Right of EUT Facing Phantom - Mid/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.274 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.222 W/kg
SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.053 W/kg
Maximum value of SAR (measured) = 0.130 W/kg

069: Back of EUT Facing Phantom CDMA BC 1 1xEVDo Rel 0 Middle CH600
Date: 05/08/14
DUT: A1600; Type: FCC ID: BCGA1600



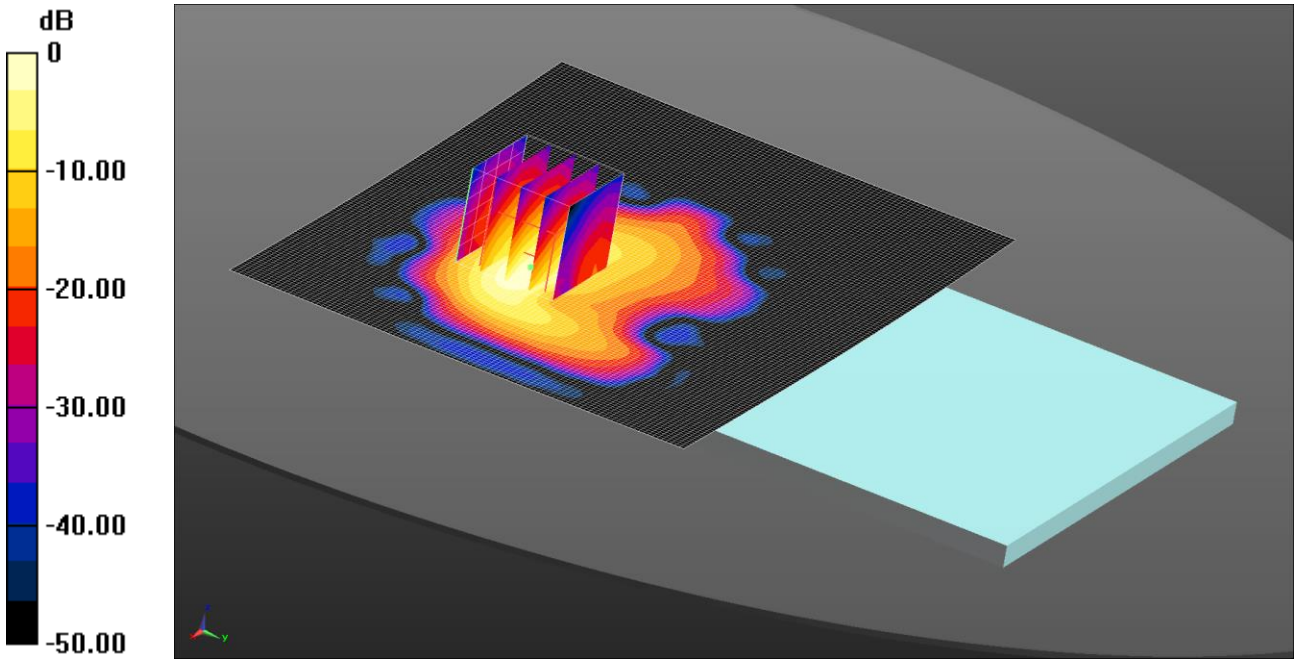
0 dB = 0.992 W/kg = -0.03 dBW/kg

Communication System: UID 0, CDMA2000 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.542 S/m; ε_r = 51.131; ρ = 1000 kg/m^3
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)

Configuration/Back of EUT Facing Phantom - Middle 2/Area Scan (131x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.992 W/kg

Configuration/Back of EUT Facing Phantom - Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.41 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 0.831 W/kg; SAR(10 g) = 0.367 W/kg
Maximum value of SAR (measured) = 0.986 W/kg

070: Back of EUT Facing Phantom CDMA BC 1 1xEVDo Rel 0 Middle CH25
Date: 05/08/14
DUT: C36; Type: Sample ; Serial: # 64



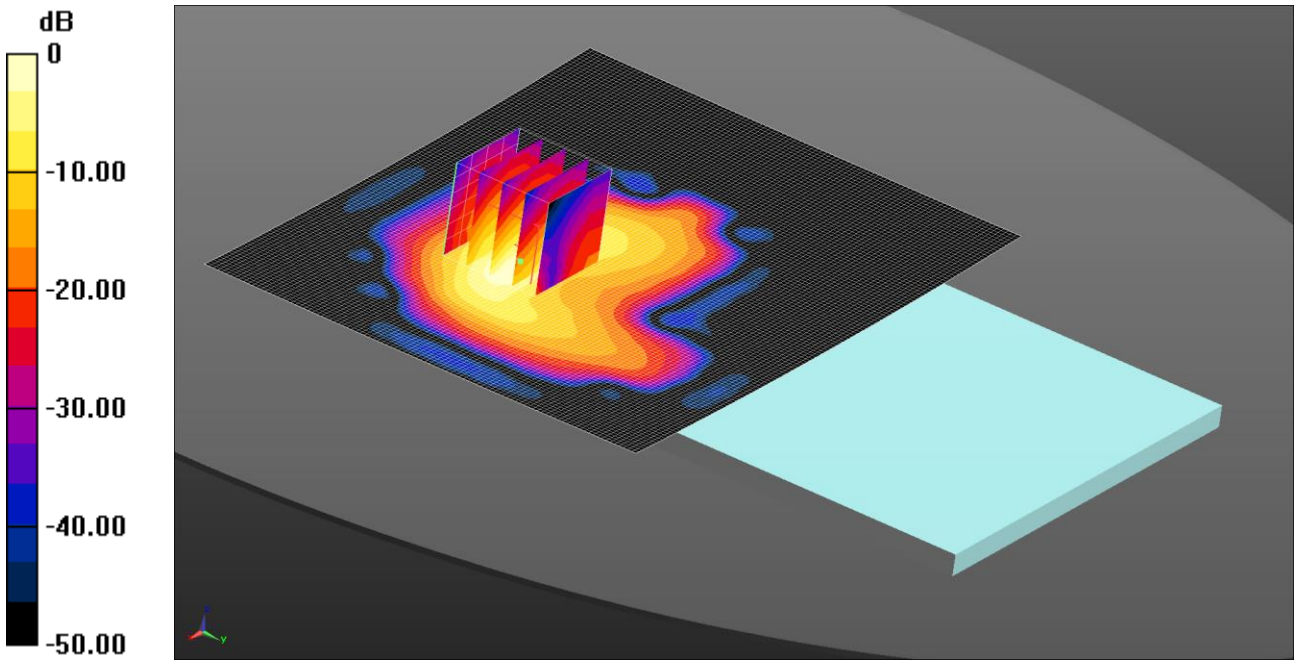
0 dB = 1.12 W/kg = 0.49 dBW/kg

Communication System: UID 0, CDMA2000 (0); Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1851.25 MHz; σ = 1.514 S/m; ε_r = 51.24; ρ = 1000 kg/m^3
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)

Configuration/Back of EUT Facing Phantom - Low/Area Scan (131x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.12 W/kg

Configuration/Back of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.07 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.96 W/kg
SAR(1 g) = 0.963 W/kg; SAR(10 g) = 0.424 W/kg
Maximum value of SAR (measured) = 1.11 W/kg

071: Back of EUT Facing Phantom CDMA BC 1 1xEVDo Rel 0 Middle CH1175
Date: 05/08/14
DUT: A1600; Type: FCC ID: BCGA1600



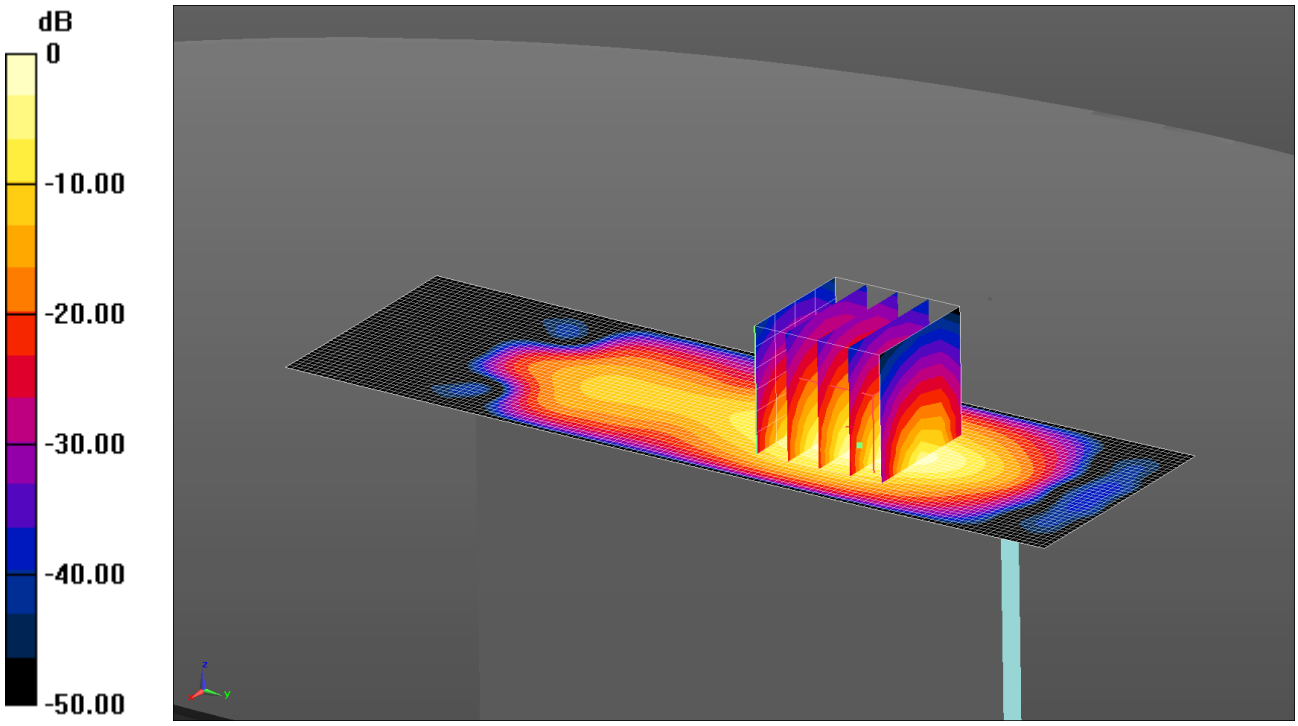
0 dB = 0.994 W/kg = -0.03 dBW/kg

Communication System: UID 0, CDMA2000 (0); Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.568 S/m; ε_r = 51.024; ρ = 1000 kg/m^3
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)

Configuration/Back of EUT Facing Phantom - Middle/Area Scan (131x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.994 W/kg

Configuration/Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.43 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.63 W/kg
SAR(1 g) = 0.816 W/kg; SAR(10 g) = 0.364 W/kg
Maximum value of SAR (measured) = 0.965 W/kg

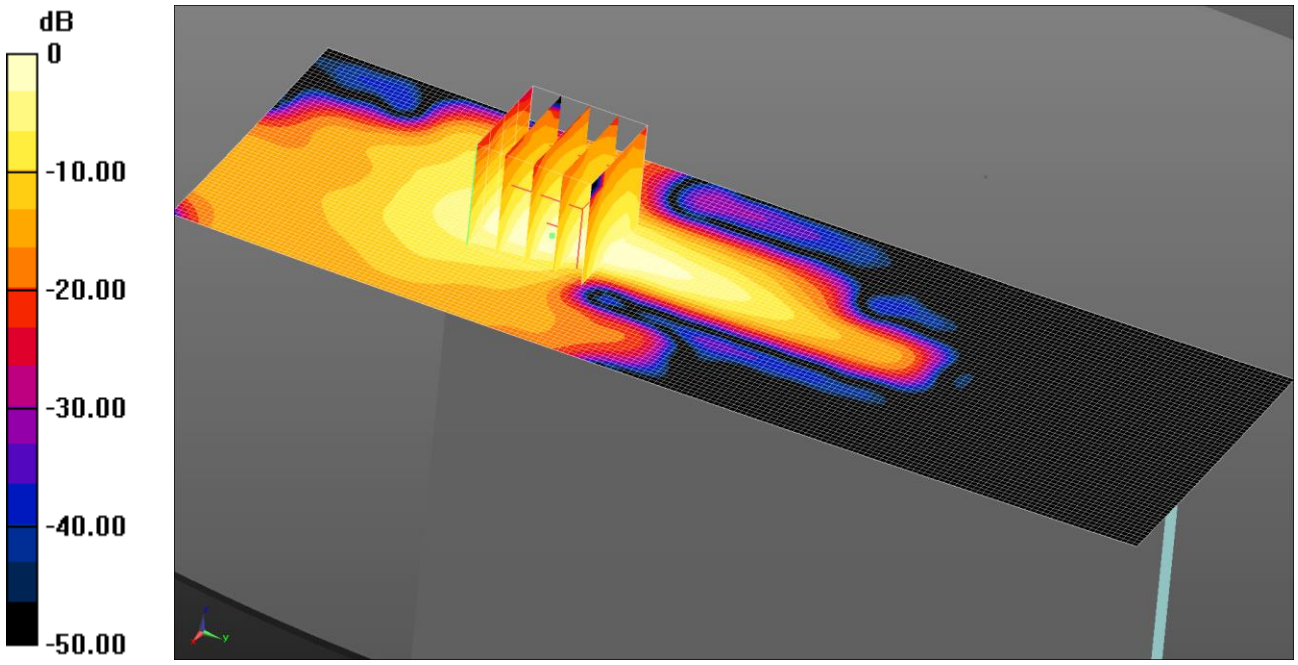
072: Top of EUT Facing Phantom CDMA BC 1 1xEVDo Rel 0 Middle CH600.da4
Date: 05/08/2014
DUT: A1600; Type: FCC ID: BCGA1600



0 dB = 0.980 W/kg = -0.09 dBW/kg

Communication System: UID 0, CDMA2000 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.542 S/m; ε_r = 51.131; ρ = 1000 kg/m^3
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)
Configuration/Top of EUT Facing Phantom - Middle/Area Scan (41x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.980 W/kg
Configuration/Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.581 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 0.751 W/kg; SAR(10 g) = 0.349 W/kg
Maximum value of SAR (measured) = 0.869 W/kg

073: Right of EUT Facing Phantom CDMA BC 1 1xEVDo Rel 0 Middle CH600
Date: 05/08/14
DUT: A1600; Type: FCC ID: BCGA1600



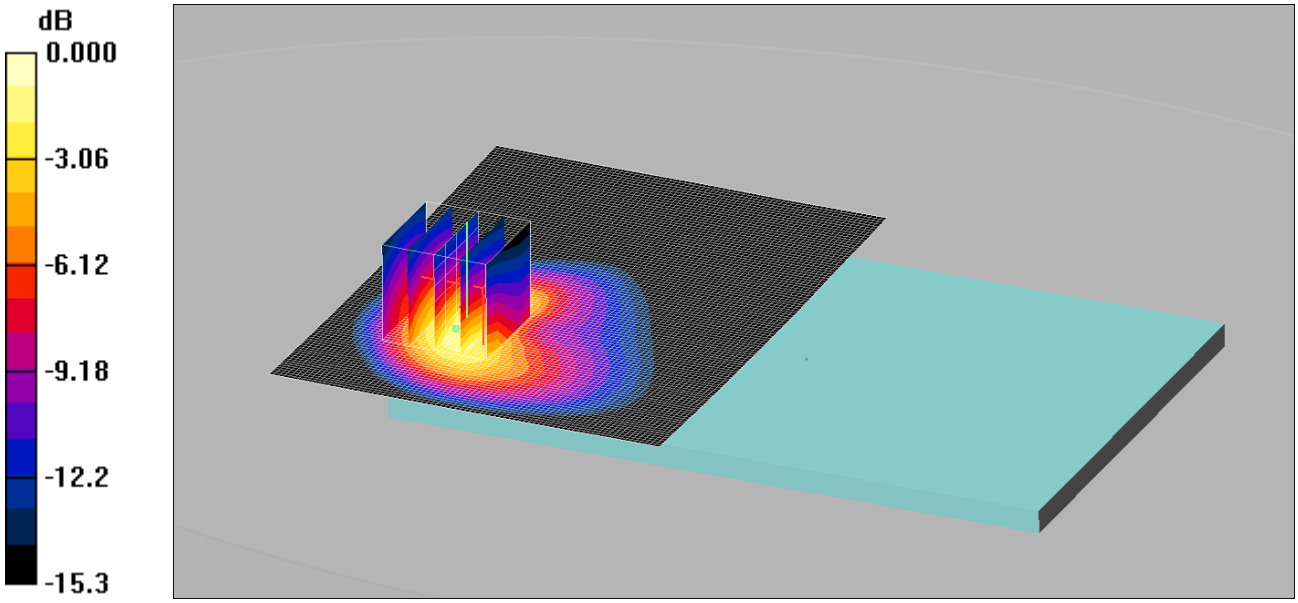
0 dB = 0.129 W/kg = -8.88 dBW/kg

Communication System: UID 0, CDMA2000 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.542 S/m; ε_r = 51.131; ρ = 1000 kg/m^3
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)

Configuration/Right of EUT Facing Phantom - Middle 2/Area Scan (61x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.129 W/kg

Configuration/Right of EUT Facing Phantom - Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.271 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.209 W/kg
SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.050 W/kg
Maximum value of SAR (measured) = 0.118 W/kg

074: Back of EUT Facing Phantom CDMA BC 10 RC3 S032 CH580
Date: 28/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

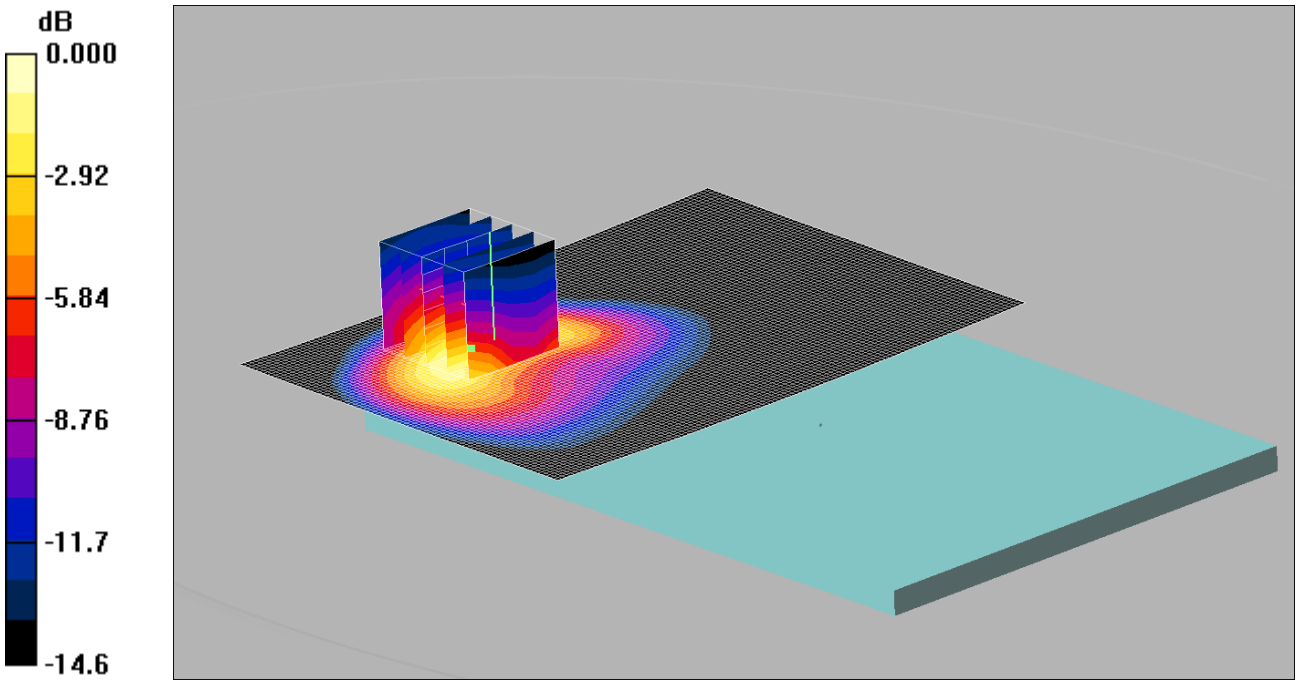


0 dB = 1.41mW/g

Communication System: CDMA 2000 BC10; Frequency: 820.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 820.5 MHz; σ = 0.969 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - Middle 2/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.05 mW/g
Back of EUT Facing Phantom - Middle 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.08 V/m; Power Drift = 0.059 dB
Peak SAR (extrapolated) = 2.49 W/kg
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.598 mW/g
Maximum value of SAR (measured) = 1.41 mW/g

075: Back of EUT Facing Phantom CDMA BC 10 RC3 S032 CH476
Date: 28/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

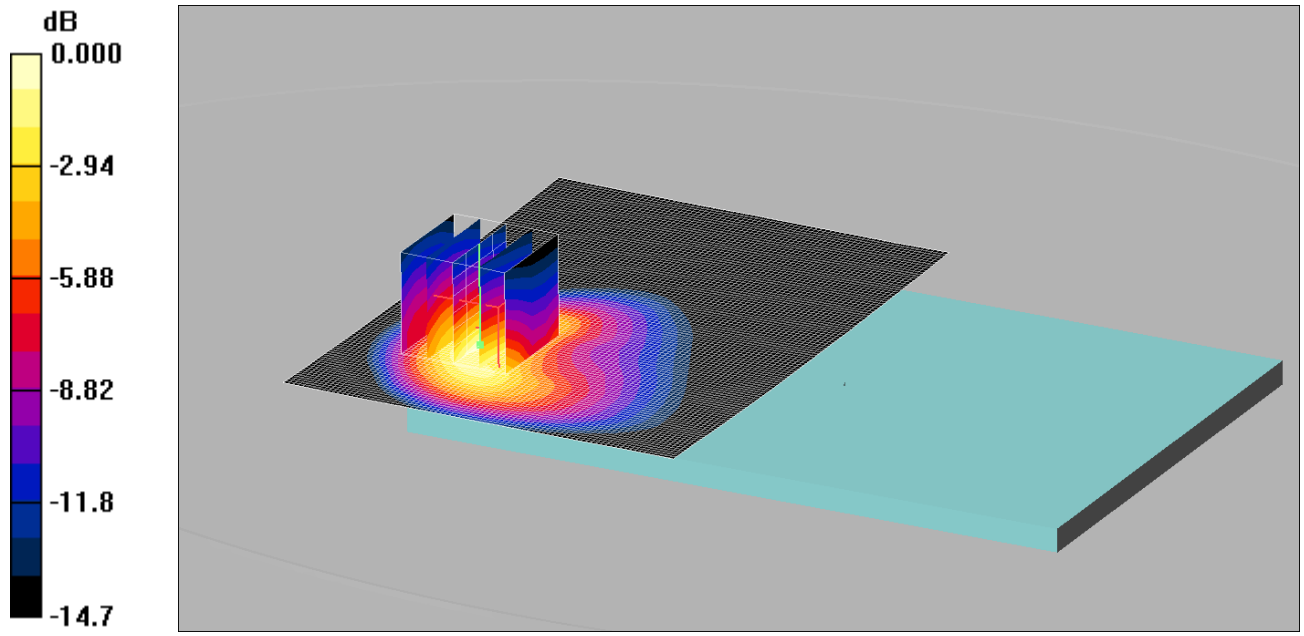


0 dB = 1.22mW/g

Communication System: CDMA 2000 BC10; Frequency: 817.9 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 817.9 MHz; σ = 0.967 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - Low 2/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.00 mW/g
Back of EUT Facing Phantom - Low 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.1 V/m; Power Drift = 0.007 dB
Peak SAR (extrapolated) = 2.30 W/kg
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.569 mW/g
Maximum value of SAR (measured) = 1.22 mW/g

076: Back of EUT Facing Phantom CDMA BC 10 RC3 S032 CH684
Date: 28/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

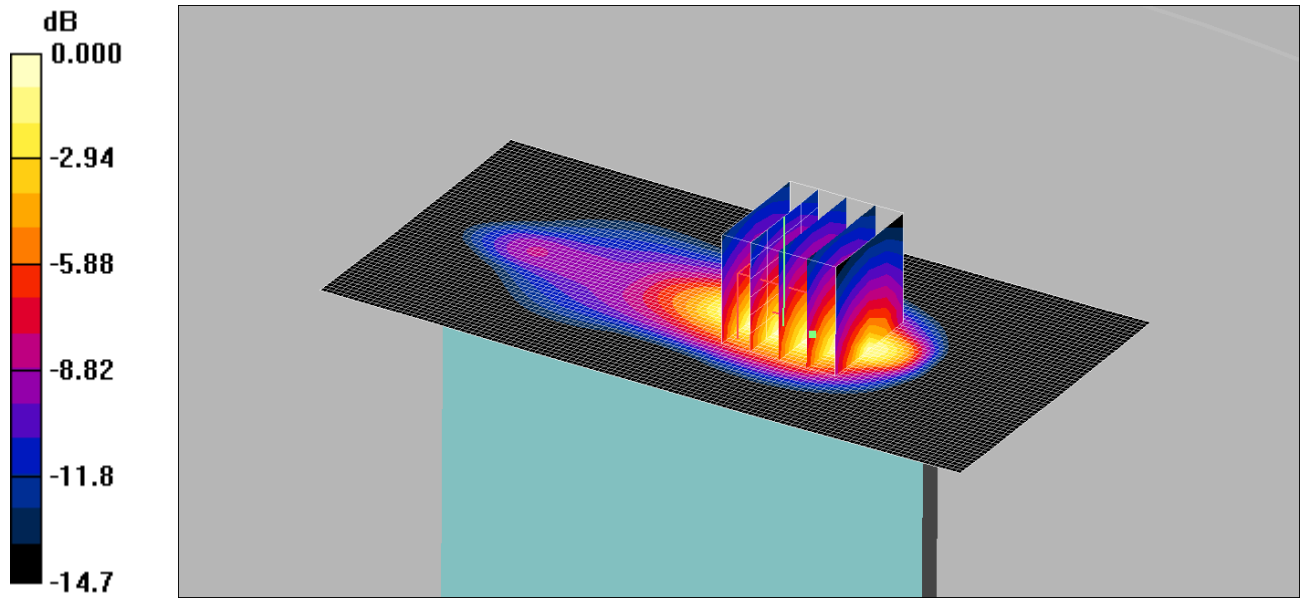


0 dB = 1.21mW/g

Communication System: CDMA 2000 BC10; Frequency: 823.1 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 823.1 MHz; σ = 0.971 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - High/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.991 mW/g
Back of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.6 V/m; Power Drift = -0.081 dB
Peak SAR (extrapolated) = 2.26 W/kg
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.554 mW/g
Maximum value of SAR (measured) = 1.21 mW/g

077: Top of EUT Facing Phantom CDMA BC 10 RC3 S032 CH580
Date: 28/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

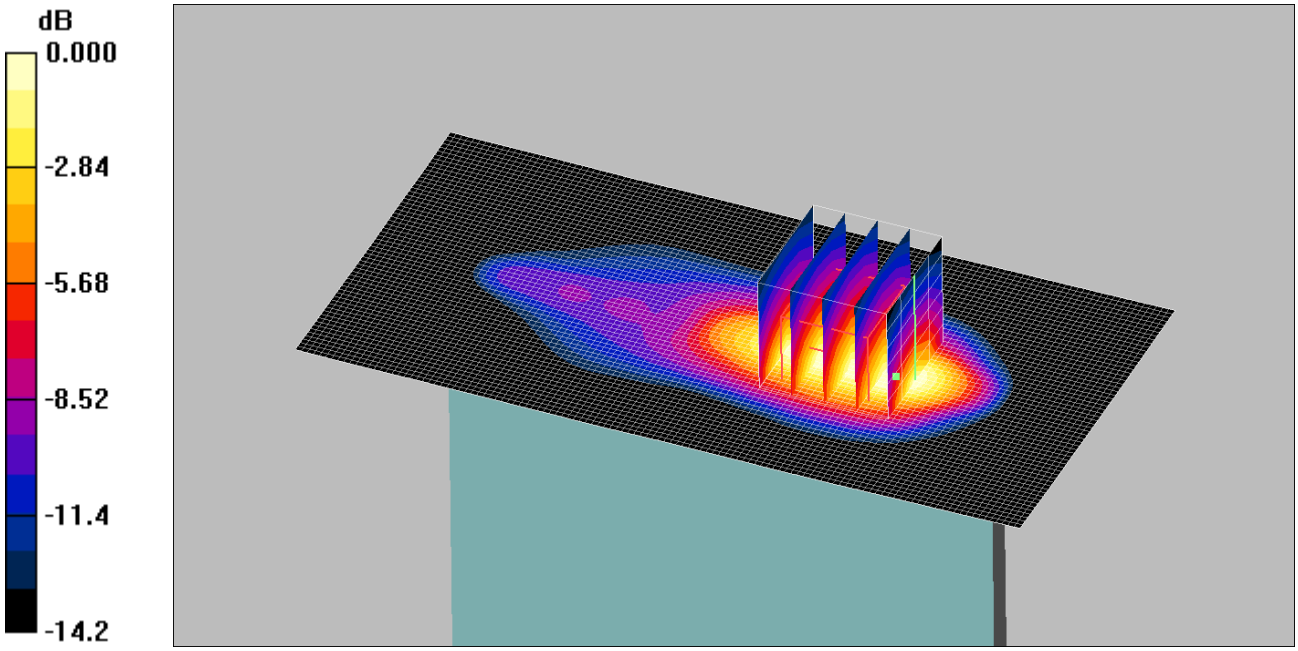


0 dB = 1.13mW/g

Communication System: CDMA 2000 BC10; Frequency: 820.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 820.5 MHz; σ = 0.969 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Top of EUT Facing Phantom - Middle/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.15 mW/g
Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.5 V/m; Power Drift = 0.066 dB
Peak SAR (extrapolated) = 1.96 W/kg
SAR(1 g) = 0.952 mW/g; SAR(10 g) = 0.522 mW/g
Maximum value of SAR (measured) = 1.13 mW/g

078: Top of EUT Facing Phantom CDMA BC 10 RC3 S032 CH476
Date: 28/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

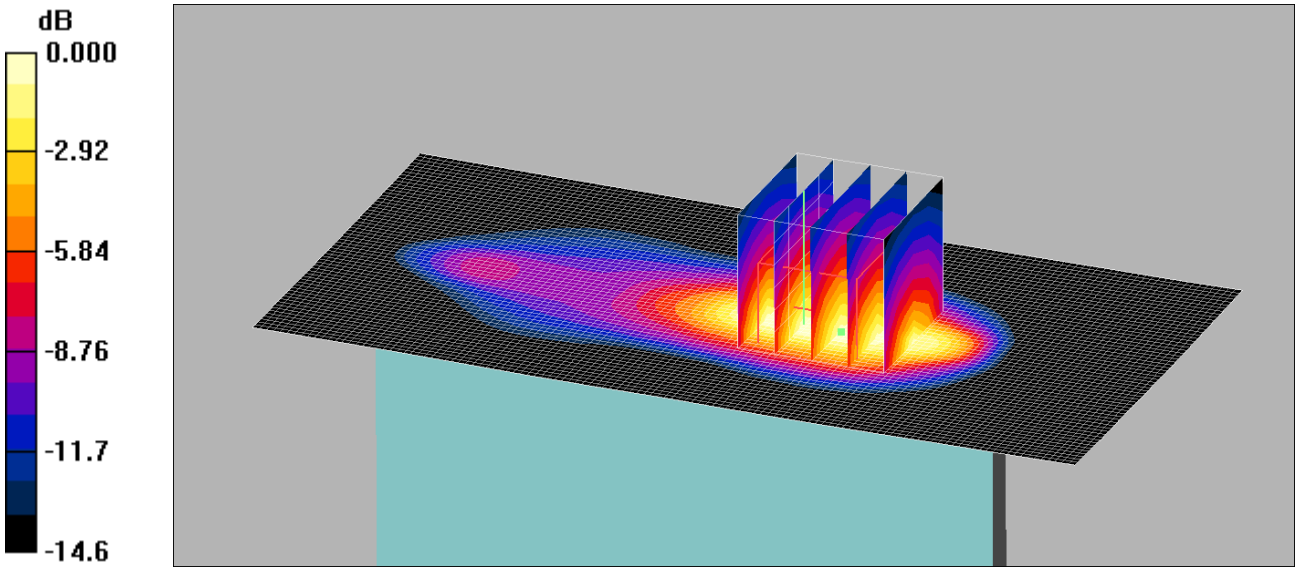


0 dB = 1.16mW/g

Communication System: CDMA 2000 BC10; Frequency: 817.9 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 817.9 MHz; σ = 0.967 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Top of EUT Facing Phantom - Low/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.36 mW/g
Top of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.5 V/m; Power Drift = 0.135 dB
Peak SAR (extrapolated) = 2.00 W/kg
SAR(1 g) = 0.972 mW/g; SAR(10 g) = 0.530 mW/g
Maximum value of SAR (measured) = 1.16 mW/g

079: Top of EUT Facing Phantom CDMA BC 10 RC3 S032 CH684
Date: 28/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

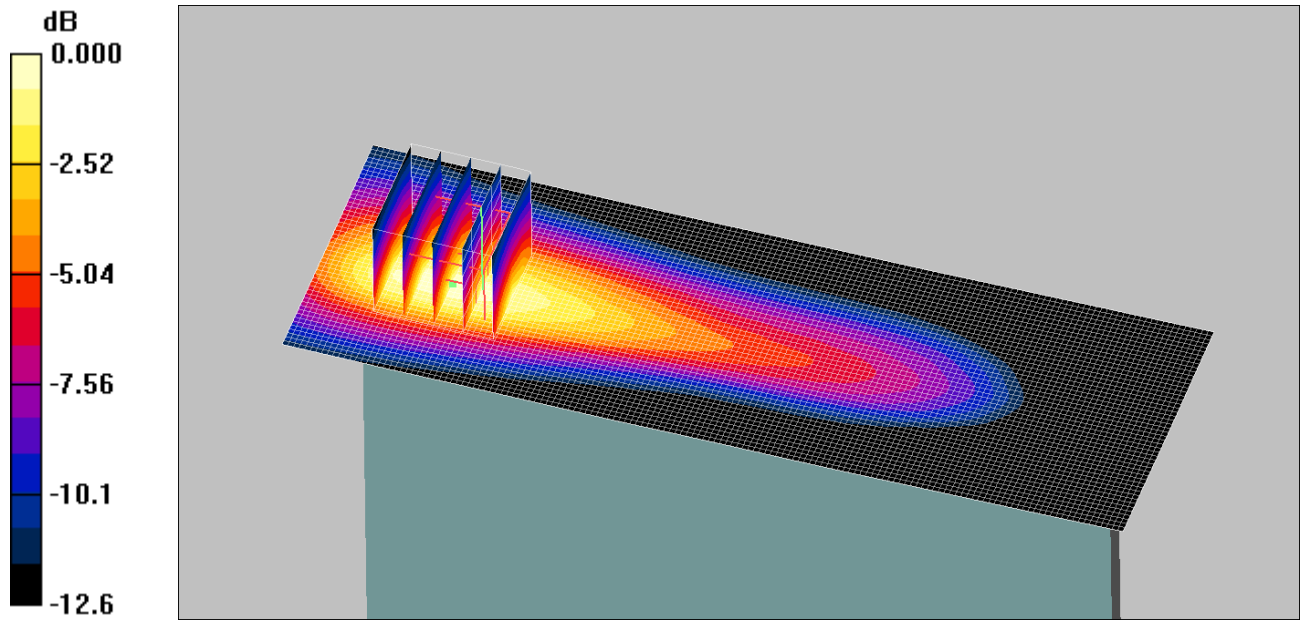


0 dB = 1.12mW/g

Communication System: CDMA 2000 BC10; Frequency: 823.1 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 823.1 MHz; σ = 0.971 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Top of EUT Facing Phantom - High/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.11 mW/g
Top of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.5 V/m; Power Drift = -0.042 dB
Peak SAR (extrapolated) = 1.77 W/kg
SAR(1 g) = 0.943 mW/g; SAR(10 g) = 0.512 mW/g
Maximum value of SAR (measured) = 1.12 mW/g

080: Right Hand Side of EUT Facing Phantom CDMA BC 10 RC3 S032 CH580
Date: 28/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

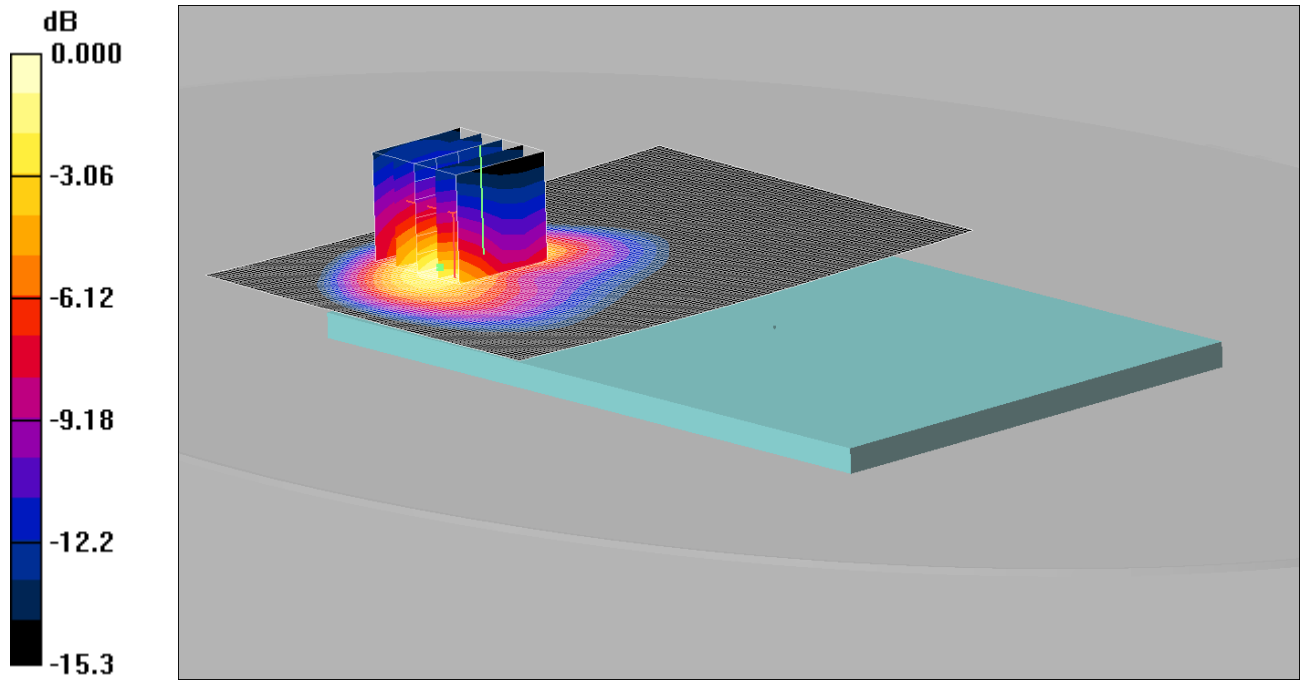


0 dB = 0.175mW/g

Communication System: CDMA 2000 BC10; Frequency: 823.1 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 823.1 MHz; σ = 0.971 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Hand Side of EUT Facing Phantom - Middle/Area Scan (51x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.161 mW/g
Right Hand Side of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.93 V/m; Power Drift = 0.068 dB
Peak SAR (extrapolated) = 0.271 W/kg
SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.085 mW/g
Maximum value of SAR (measured) = 0.175 mW/g

081: Back of EUT Facing Phantom CDMA BC10 EVDO Rel0 CH580
Date: 05/08/2014
DUT: A1600; Type: FCC ID: BCGA1600

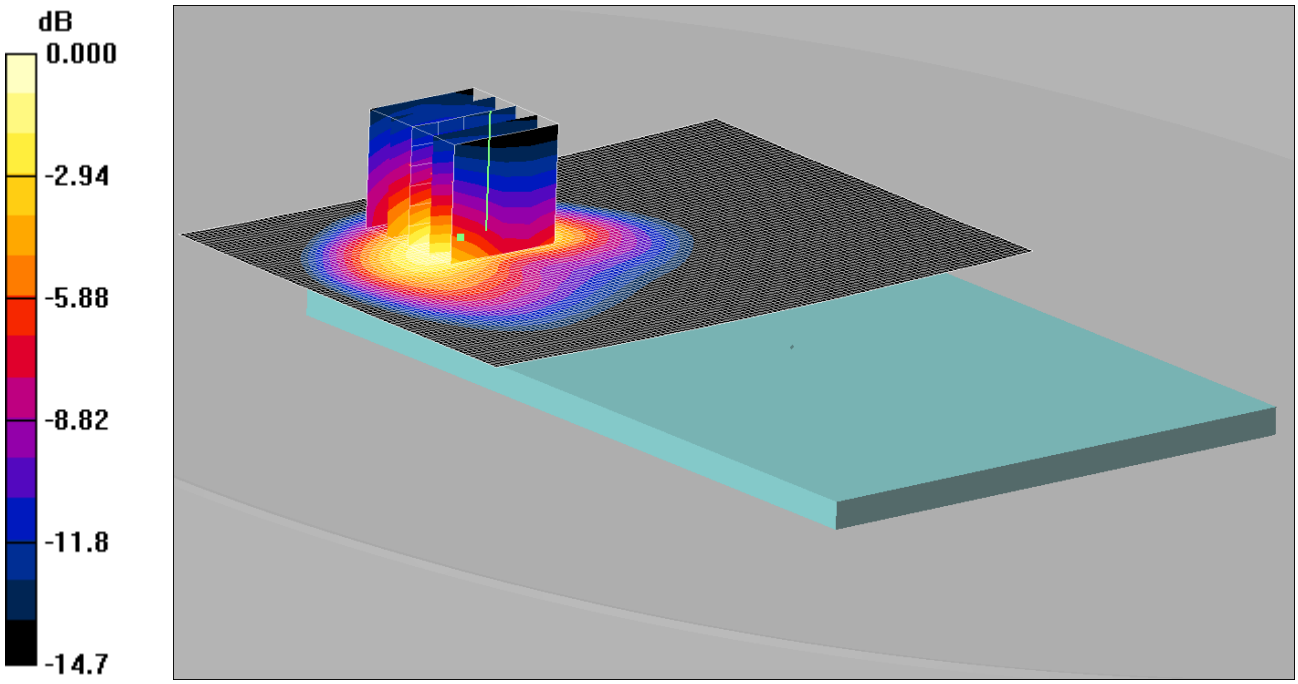


0 dB = 1.45mW/g

Communication System: CDMA 2000 BC10; Frequency: 820.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 820.5 MHz; σ = 0.968 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - Middle/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.05 mW/g
Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.8 V/m; Power Drift = -0.118 dB
Peak SAR (extrapolated) = 2.47 W/kg
SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.598 mW/g
Maximum value of SAR (measured) = 1.45 mW/g

082: Back of EUT Facing Phantom CDMA BC10 EVDO Rel0 CH476
Date: 05/08/2014
DUT: A1600; Type: FCC ID: BCGA1600



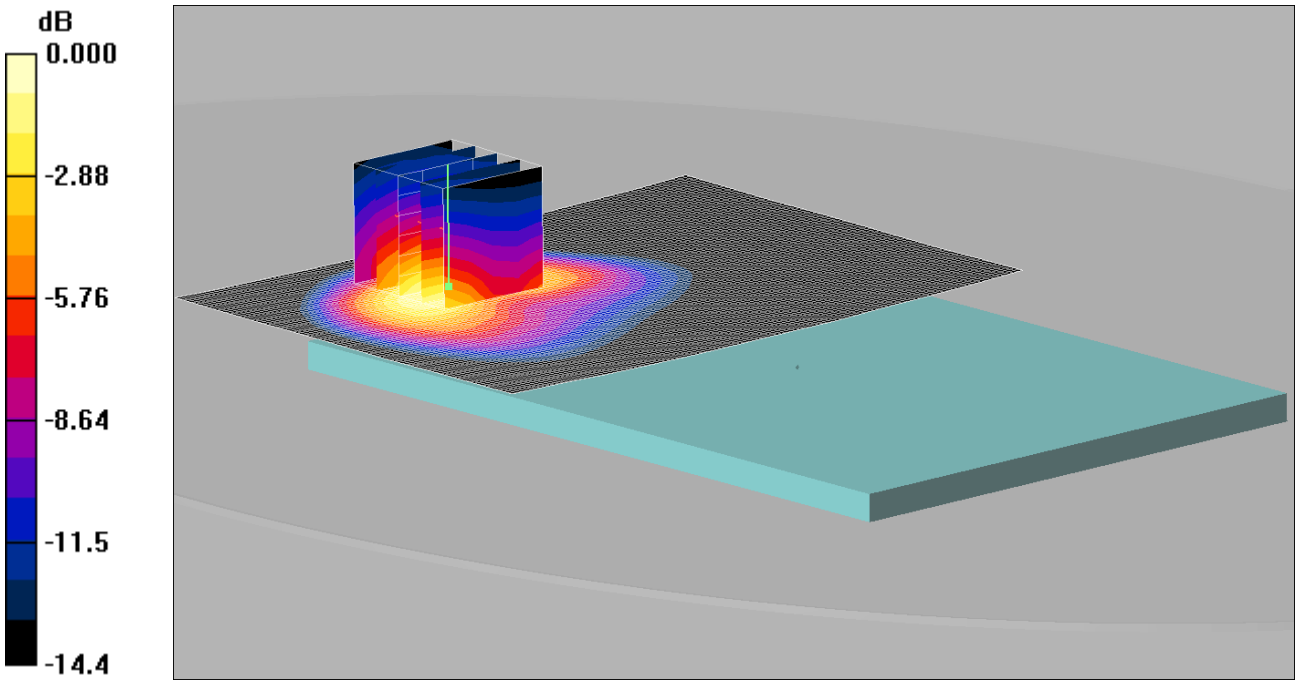
0 dB = 1.37mW/g

Communication System: CDMA 2000 BC10; Frequency: 817.9 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 817.9 MHz; σ = 0.966 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - Low/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.08 mW/g

Back of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.3 V/m; Power Drift = 0.086 dB
Peak SAR (extrapolated) = 2.41 W/kg
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.591 mW/g
Maximum value of SAR (measured) = 1.37 mW/g

083: Back of EUT Facing Phantom CDMA BC10 EVDO Rel0 CH684
Date: 05/08/2014
DUT: A1600; Type: FCC ID: BCGA1600

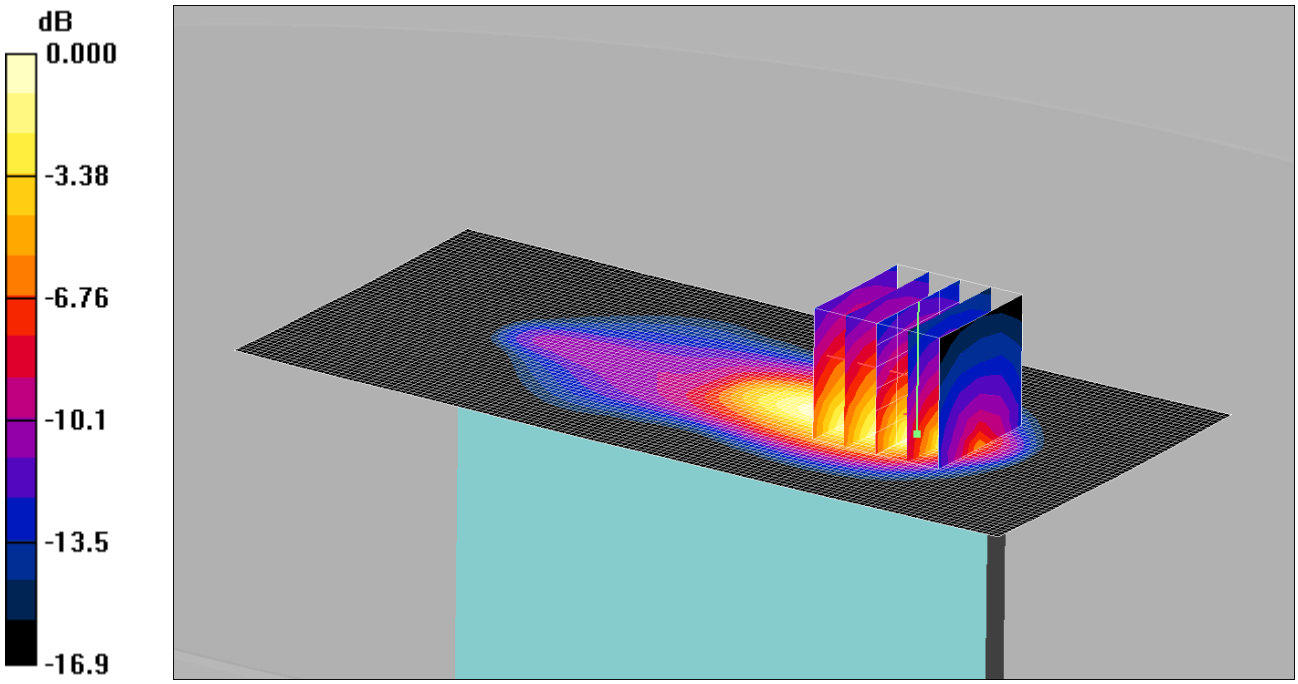


0 dB = 1.26mW/g

Communication System: CDMA 2000 BC10; Frequency: 823.1 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 823.1 MHz; σ = 0.969 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - High/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.11 mW/g
Back of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.8 V/m; Power Drift = -0.060 dB
Peak SAR (extrapolated) = 2.45 W/kg
SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.589 mW/g
Maximum value of SAR (measured) = 1.26 mW/g

084: Top of EUT Facing Phantom CDMA BC10 EVDO Rel0 CH580
Date: 05/08/2014
DUT: A1600; Type: FCC ID: BCGA1600

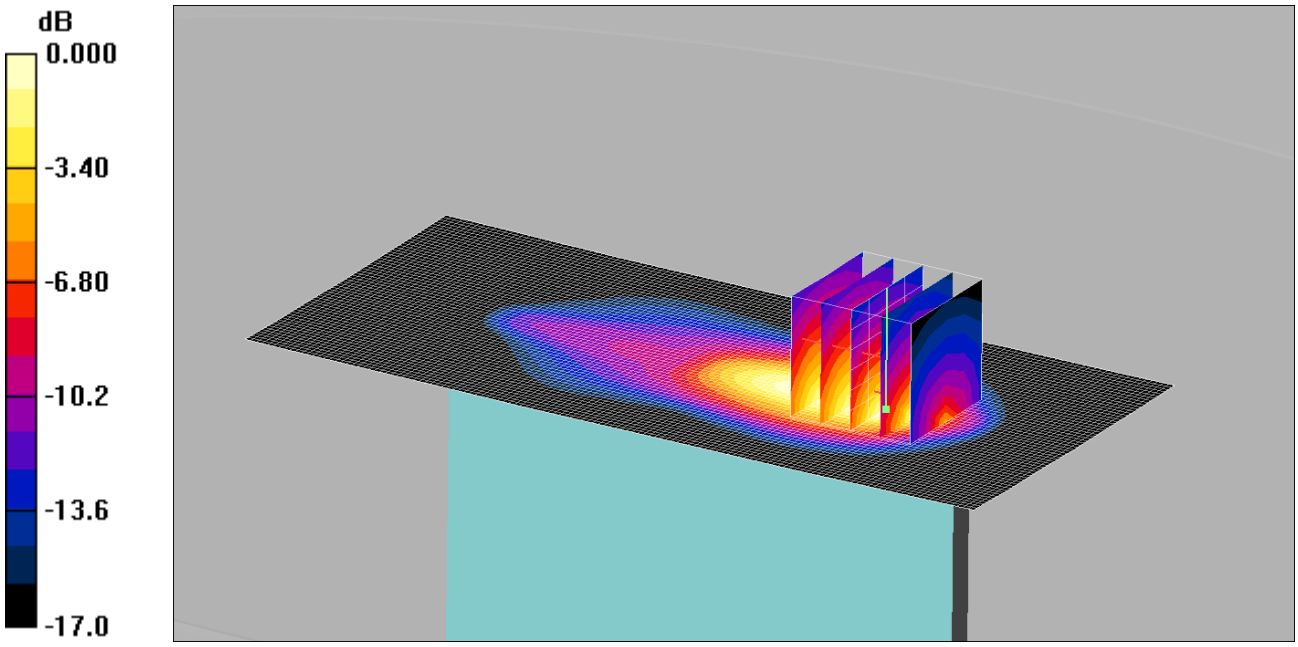


0 dB = 1.15mW/g

Communication System: CDMA 2000 BC10; Frequency: 820.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 820.5 MHz; σ = 0.968 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Top of EUT Facing Phantom - Middle/Area Scan (61x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.42 mW/g
Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.0 V/m; Power Drift = -0.021 dB
Peak SAR (extrapolated) = 2.36 W/kg
SAR(1 g) = 0.948 mW/g; SAR(10 g) = 0.505 mW/g
Maximum value of SAR (measured) = 1.15 mW/g

085: Top of EUT Facing Phantom CDMA BC10 EVDO Rel0 CH476
Date: 05/08/2014
DUT: A1600; Type: FCC ID: BCGA1600

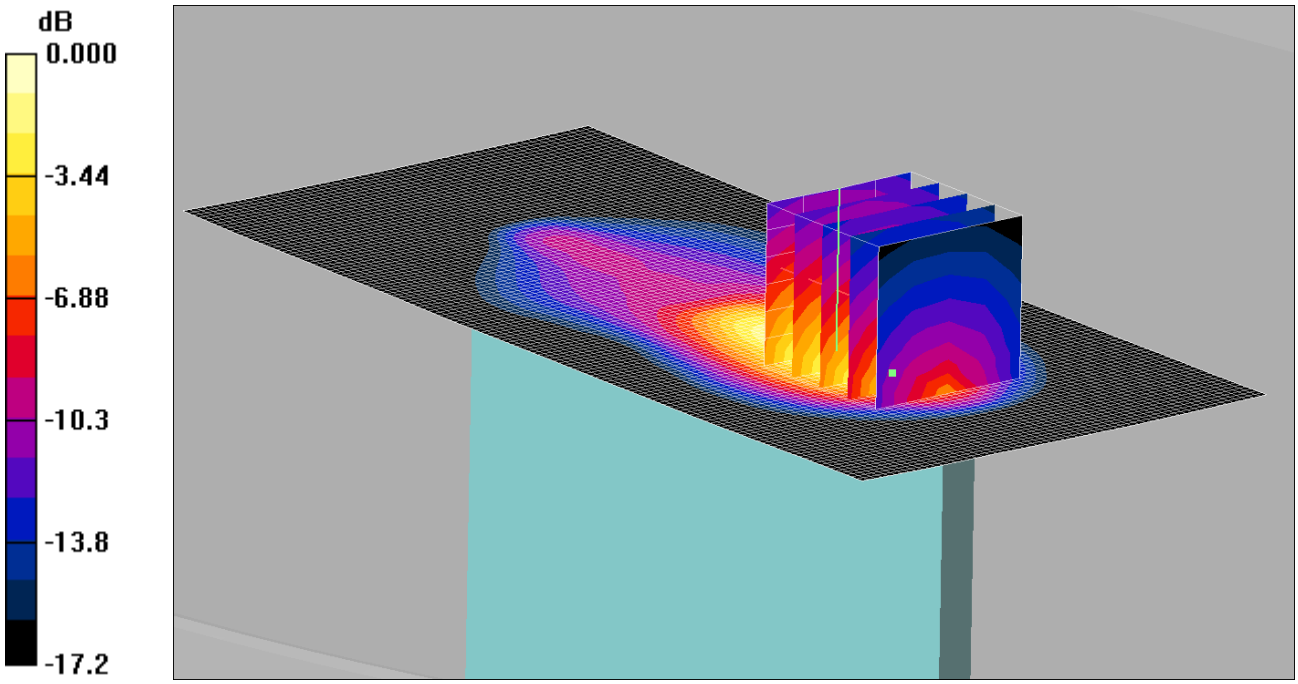


0 dB = 1.24mW/g

Communication System: CDMA 2000 BC10; Frequency: 817.9 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 817.9 MHz; σ = 0.966 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Top of EUT Facing Phantom - Low/Area Scan (61x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.52 mW/g
Top of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.6 V/m; Power Drift = 0.120 dB
Peak SAR (extrapolated) = 2.74 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.544 mW/g
Maximum value of SAR (measured) = 1.24 mW/g

086: Top of EUT Facing Phantom CDMA BC10 EVDO Rel0 CH684
Date: 05/08/2014
DUT: A1600; Type: FCC ID: BCGA1600

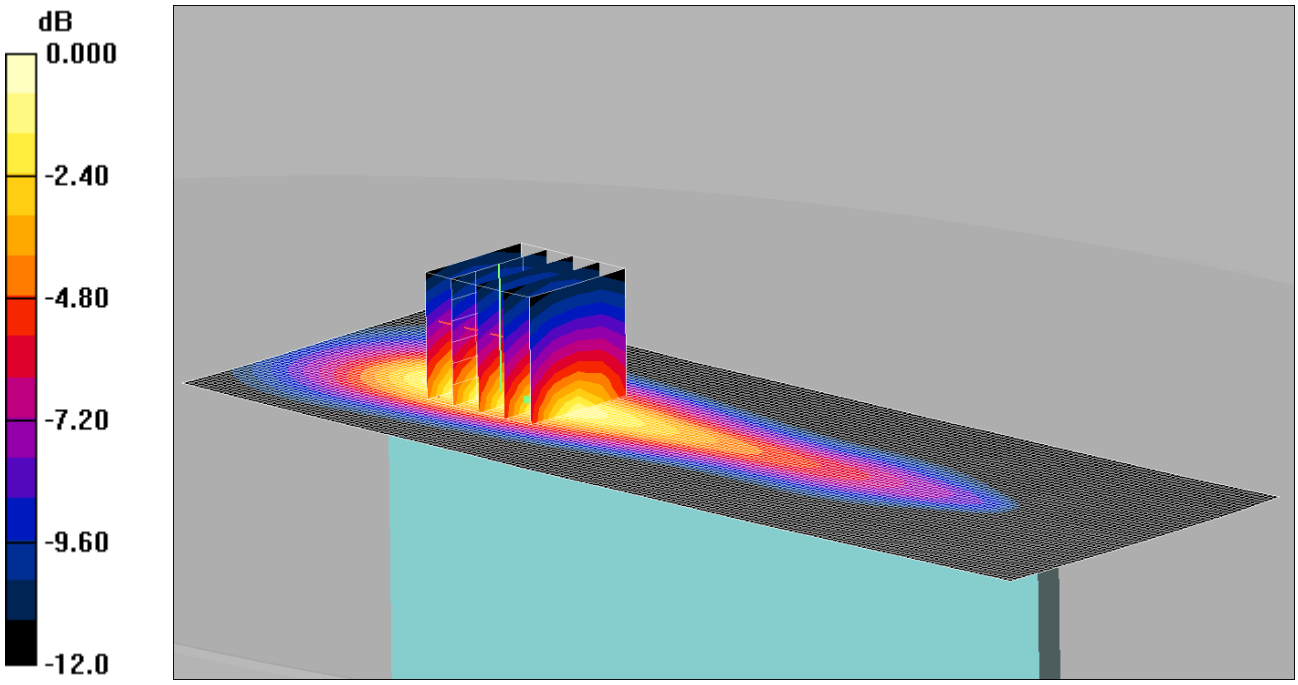


0 dB = 1.15mW/g

Communication System: CDMA 2000 BC10; Frequency: 823.1 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 823.1 MHz; σ = 0.969 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Top of EUT Facing Phantom - High/Area Scan (61x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.43 mW/g
Top of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.6 V/m; Power Drift = -0.047 dB
Peak SAR (extrapolated) = 2.32 W/kg
SAR(1 g) = 0.949 mW/g; SAR(10 g) = 0.520 mW/g
Maximum value of SAR (measured) = 1.15 mW/g

087: Right of EUT Facing Phantom CDMA BC10 EVDO Rel0 CH580
Date: 05/08/2014
DUT: A1600; Type: FCC ID: BCGA1600

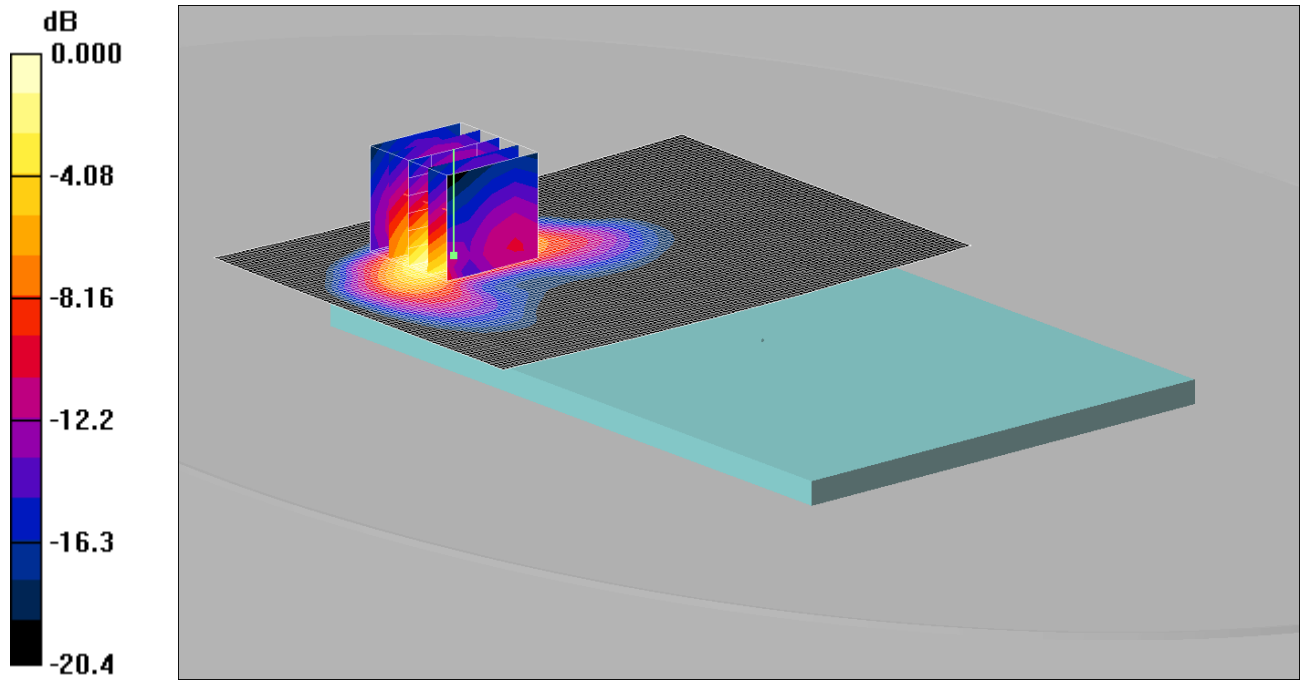


0 dB = 0.166mW/g

Communication System: CDMA 2000 BC10; Frequency: 820.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 820.5 MHz; σ = 0.968 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Right of EUT Facing Phantom - Middle/Area Scan (61x171x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.154 mW/g
Right of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.40 V/m; Power Drift = 0.154 dB
Peak SAR (extrapolated) = 0.256 W/kg
SAR(1 g) = 0.147 mW/g; SAR(10 g) = 0.084 mW/g
Maximum value of SAR (measured) = 0.166 mW/g

088: Back of EUT Facing Phantom CDMA BC15 RC3 S032 CH875
Date: 29/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

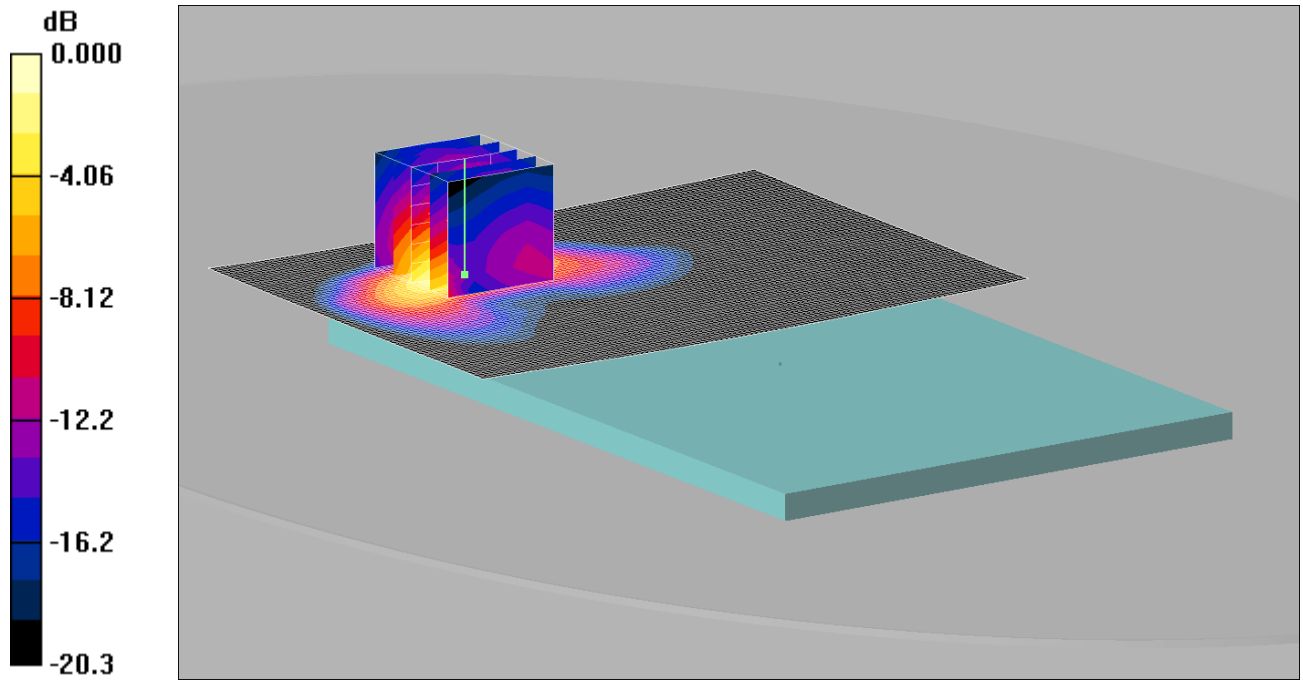


0 dB = 0.906mW/g

Communication System: CDMA 2000 BC15; Frequency: 1753.75 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used (interpolated): f = 1753.75 MHz; σ = 1.53 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(4.94, 4.94, 4.94);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - High/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.962 mW/g
Back of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.6 V/m; Power Drift = 0.003 dB
Peak SAR (extrapolated) = 1.47 W/kg
SAR(1 g) = 0.803 mW/g; SAR(10 g) = 0.372 mW/g
Maximum value of SAR (measured) = 0.906 mW/g

089: Back of EUT Facing Phantom CDMA BC15 RC3 S032 CH450
Date: 29/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

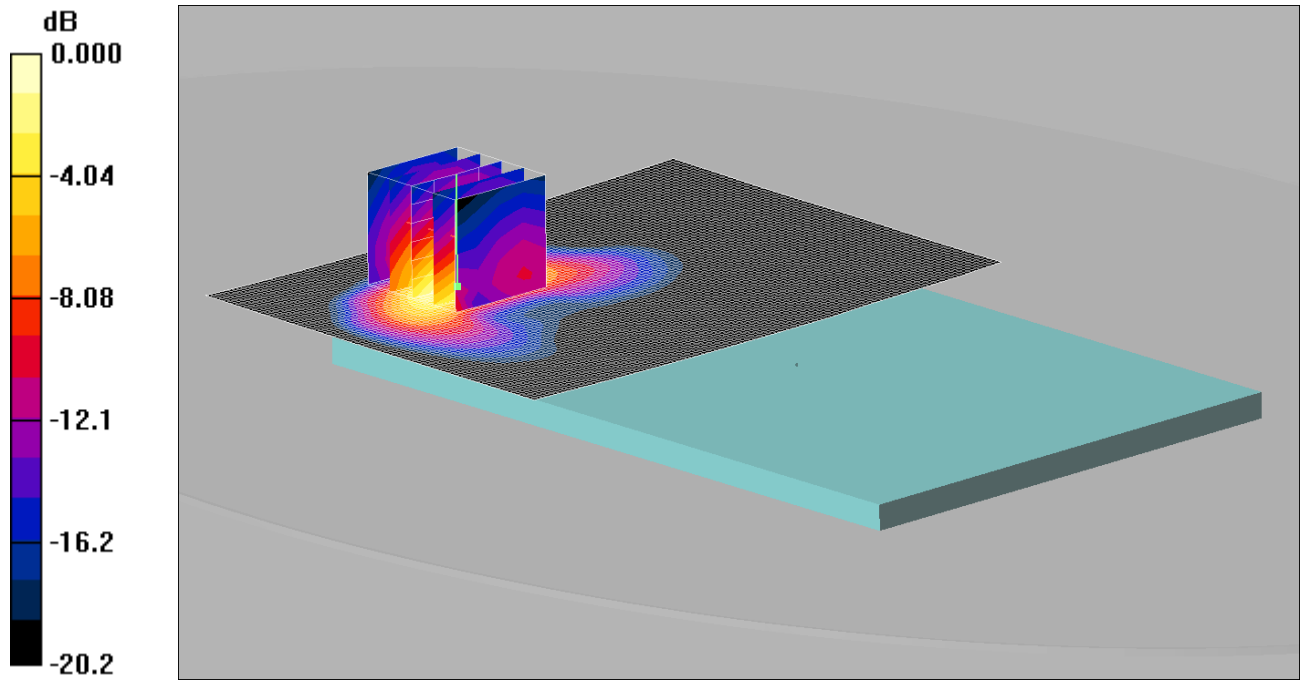


0 dB = 0.850mW/g

Communication System: CDMA 2000 BC15; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.51 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(4.94, 4.94, 4.94);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - Middle/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.799 mW/g
Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.8 V/m; Power Drift = -0.027 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.727 mW/g; SAR(10 g) = 0.338 mW/g
Maximum value of SAR (measured) = 0.850 mW/g

090: Back of EUT Facing Phantom CDMA BC15 RC3 S032 CH25
Date: 29/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

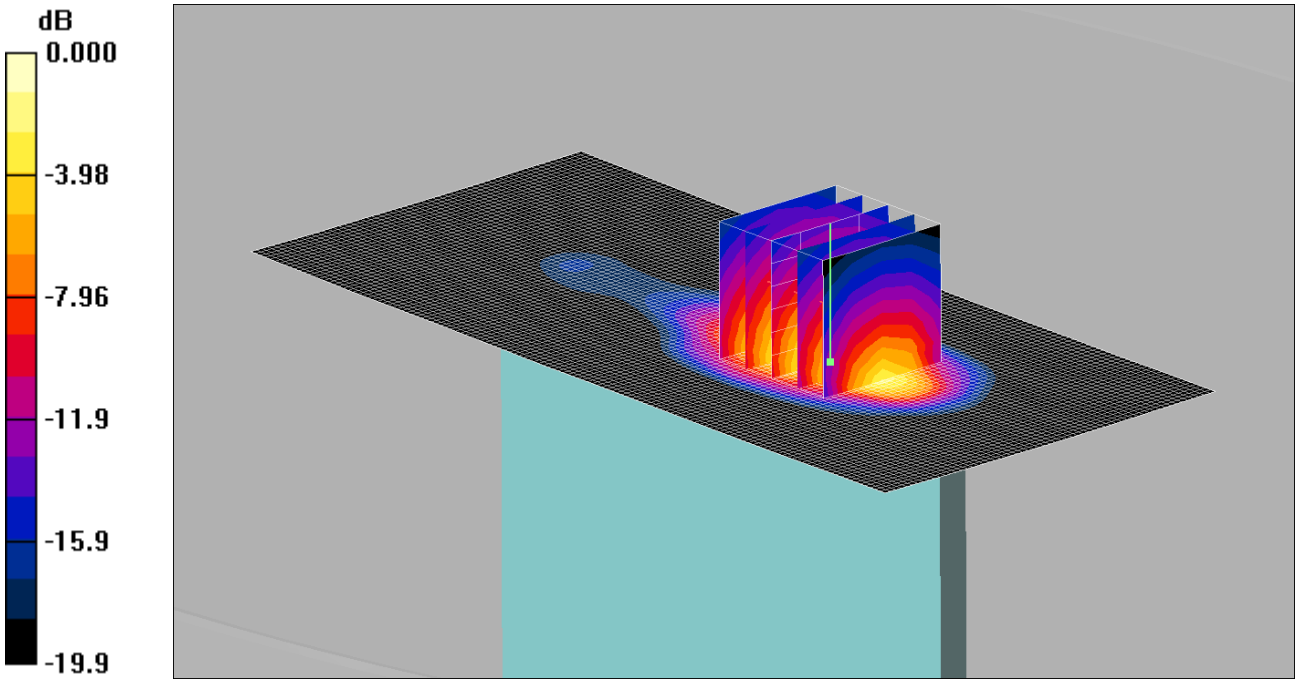


0 dB = 0.937mW/g

Communication System: CDMA 2000 BC15; Frequency: 1711.25 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used (interpolated): f = 1711.25 MHz; σ = 1.49 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(4.94, 4.94, 4.94);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - Low/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.980 mW/g
Back of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.3 V/m; Power Drift = -0.025 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 0.831 mW/g; SAR(10 g) = 0.386 mW/g
Maximum value of SAR (measured) = 0.937 mW/g

091: Top of EUT Facing Phantom CDMA BC15 RC3 S032 CH875
Date: 29/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

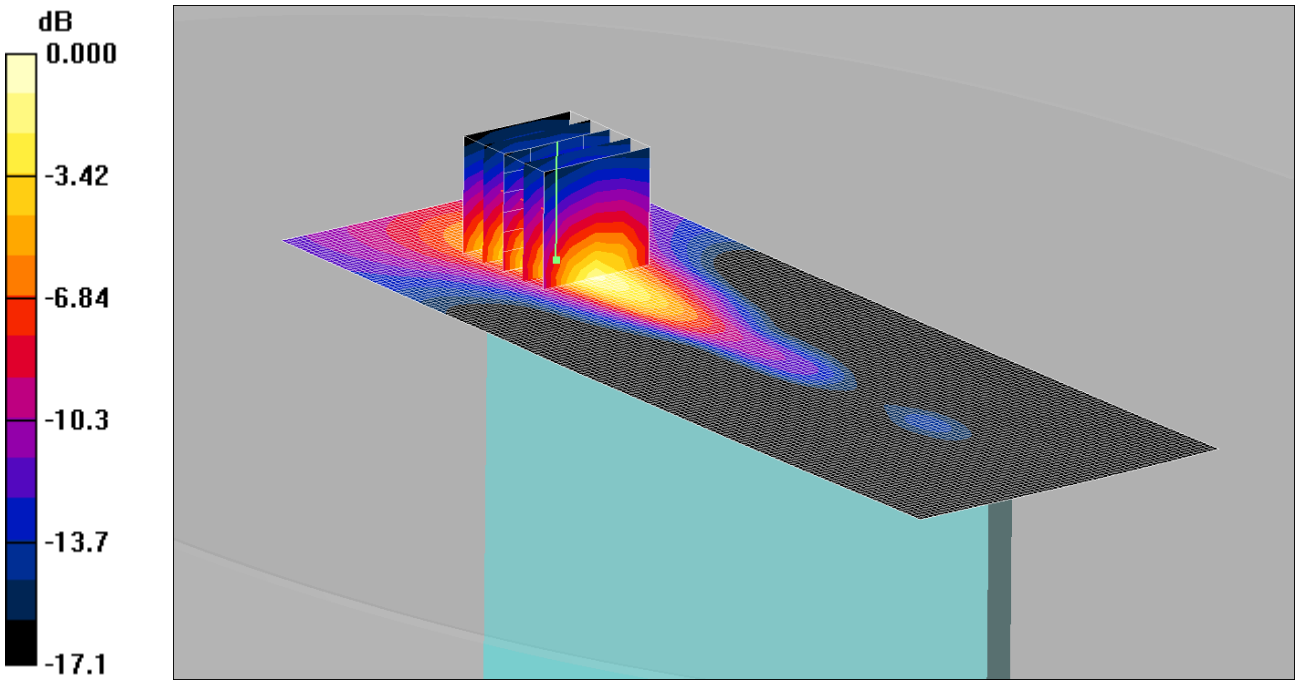


0 dB = 0.721mW/g

Communication System: CDMA 2000 BC15; Frequency: 1753.75 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used (interpolated): f = 1753.75 MHz; σ = 1.53 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(4.94, 4.94, 4.94);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Top of EUT Facing Phantom - High/Area Scan (61x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.798 mW/g
Top of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.6 V/m; Power Drift = 0.019 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.634 mW/g; SAR(10 g) = 0.311 mW/g
Maximum value of SAR (measured) = 0.721 mW/g

092: Right Side of EUT Facing Phantom CDMA BC15 RC3 S032 CH875
Date: 29/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

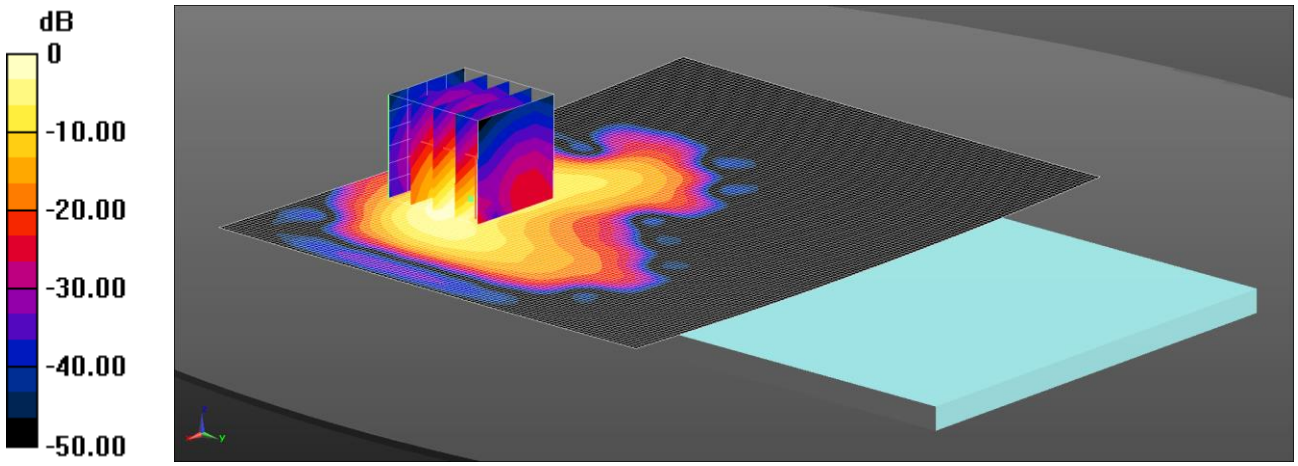


0 dB = 0.146mW/g

Communication System: CDMA 2000 BC15; Frequency: 1753.75 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used (interpolated): f = 1753.75 MHz; σ = 1.53 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(4.94, 4.94, 4.94);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Side of EUT Facing Phantom - High/Area Scan (61x171x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.156 mW/g
Right Side of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.57 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 0.230 W/kg
SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.062 mW/g
Maximum value of SAR (measured) = 0.146 mW/g

093: Back of EUT Facing Phantom CDMA BC 15 1xEVDo Rel 0 Middle CH450
Date: 05/08/14
DUT: A1600; Type: FCC ID: BCGA1600



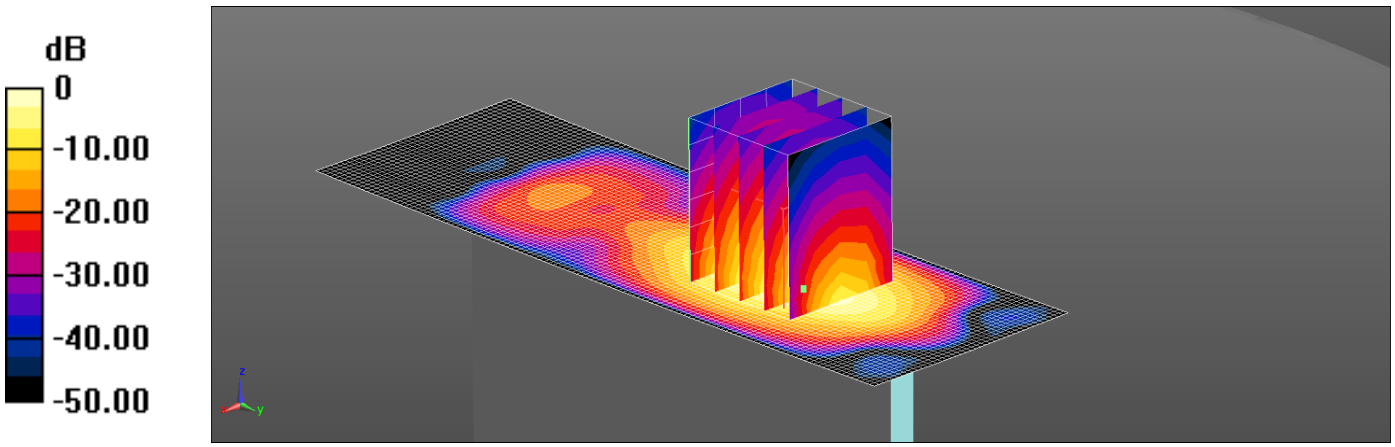
0 dB = 0.685 W/kg = -1.64 dBW/kg

Communication System: UID 0, CDMA2000 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: 1800MHz MSL Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.461 S/m; ε_r = 53.552; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3995; ConvF(8, 8, 8); 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)

Configuration/Back of EUT Facing Phantom - Middle/Area Scan (131x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.685 W/kg

Configuration/Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.620 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 0.726 W/kg; SAR(10 g) = 0.320 W/kg
Maximum value of SAR (measured) = 0.753 W/kg

094: Top of EUT Facing Phantom CDMA BC 15 1xEVDo Rel 0 Middle CH450
Date: 05/08/14
DUT: A1600; Type: FCC ID: BCGA1600



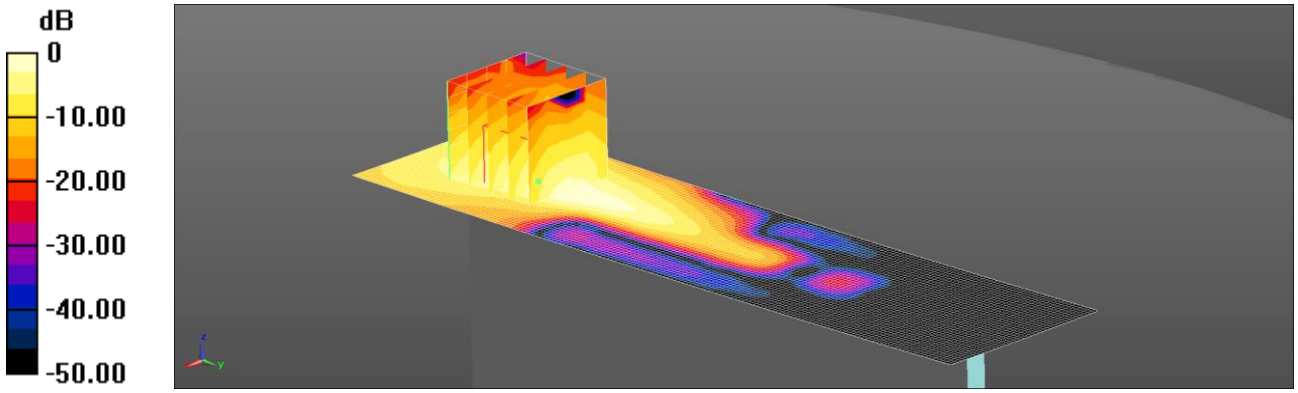
0 dB = 0.746 W/kg = -1.27 dBW/kg

Communication System: UID 0, CDMA2000 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: 1800MHz MSL Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.461 S/m; ε_r = 53.552; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3995; ConvF(8, 8, 8); 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)

Configuration/Top of EUT Facing Phantom - Middle/Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.746 W/kg

Configuration/Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.187 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.638 W/kg; SAR(10 g) = 0.304 W/kg
Maximum value of SAR (measured) = 0.734 W/kg

095: Right of EUT Facing Phantom CDMA BC 15 1xEVDo Rel 0 Middle CH450
Date: 05/08/14
DUT: A1600; Type: FCC ID: BCGA1600



0 dB = 0.104 W/kg = -9.84 dBW/kg

Communication System: UID 0, CDMA2000 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: 1800MHz MSL Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.461 S/m; ε_r = 53.552; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3995; ConvF(8, 8, 8); 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)

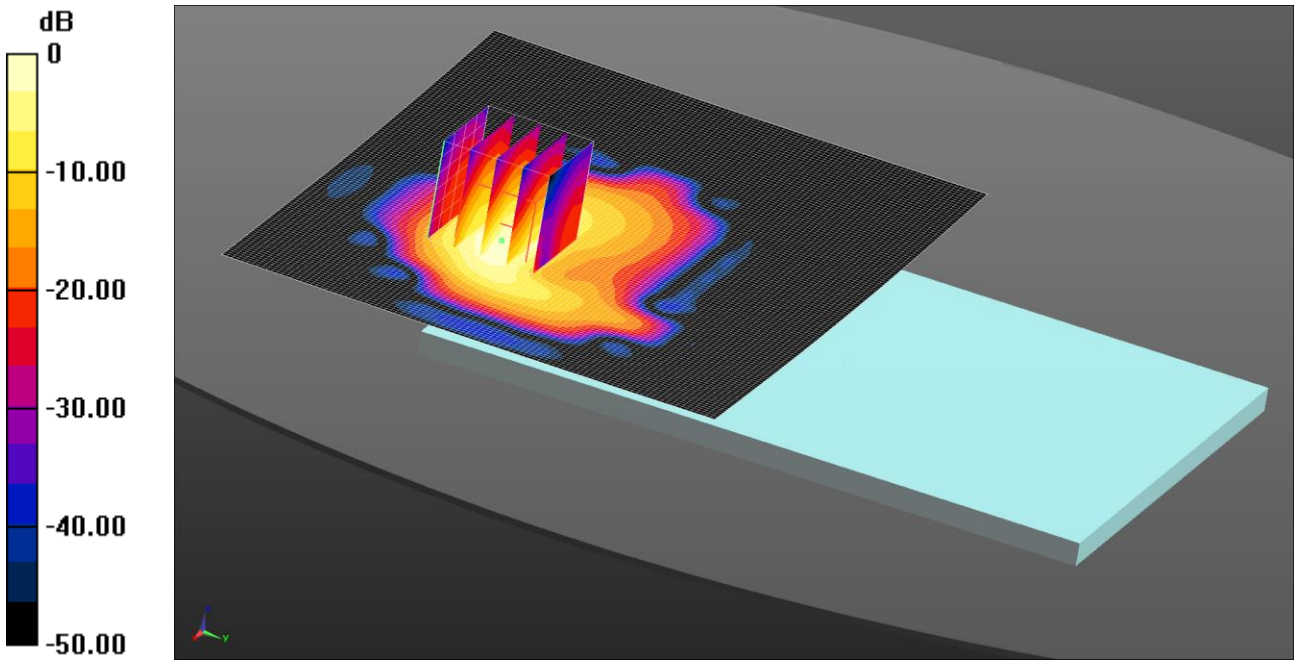
Configuration/Right of EUT Facing Phantom - Middle/Area Scan (41x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.104 W/kg

Configuration/Right of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.890 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.164 W/kg
SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.041 W/kg
Maximum value of SAR (measured) = 0.0950 W/kg

Note: SAR level measured is very low as equivalent to noise floor.

096: Back of EUT Facing Phantom LTE Band 2 1 RB Mid CH18700
Date: 24/07/14
DUT: A1600; Type: FCC ID: BCGA1600



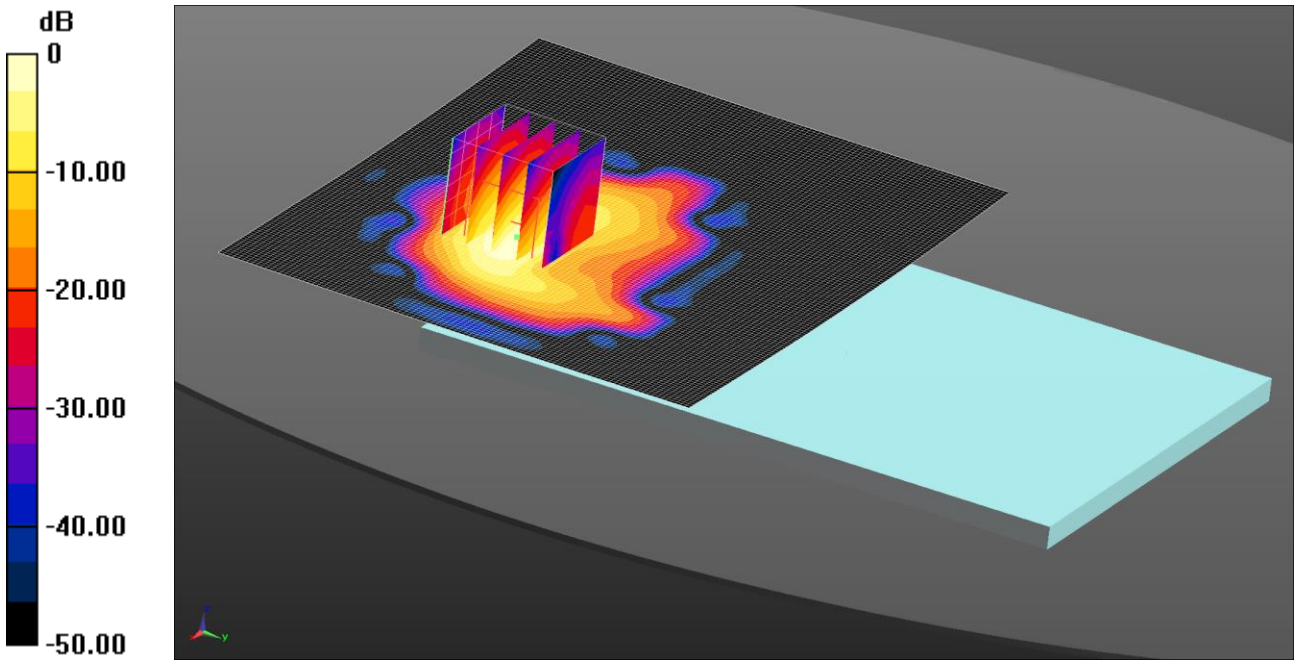
0 dB = 1.08 W/kg = 0.33 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1860 MHz; σ = 1.509 S/m; ε_r = 53.635; ρ = 1000 kg/m^3
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)

Configuration/Back of EUT Facing Phantom - Low/Area Scan (131x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.08 W/kg

Configuration/Back of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.46 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.89 W/kg
SAR(1 g) = 0.941 W/kg; SAR(10 g) = 0.419 W/kg
Maximum value of SAR (measured) = 1.09 W/kg

097: Back of EUT Facing Phantom LTE Band 2 1 RB Mid CH18900
Date: 24/07/14
DUT: A1600; Type: FCC ID: BCGA1600



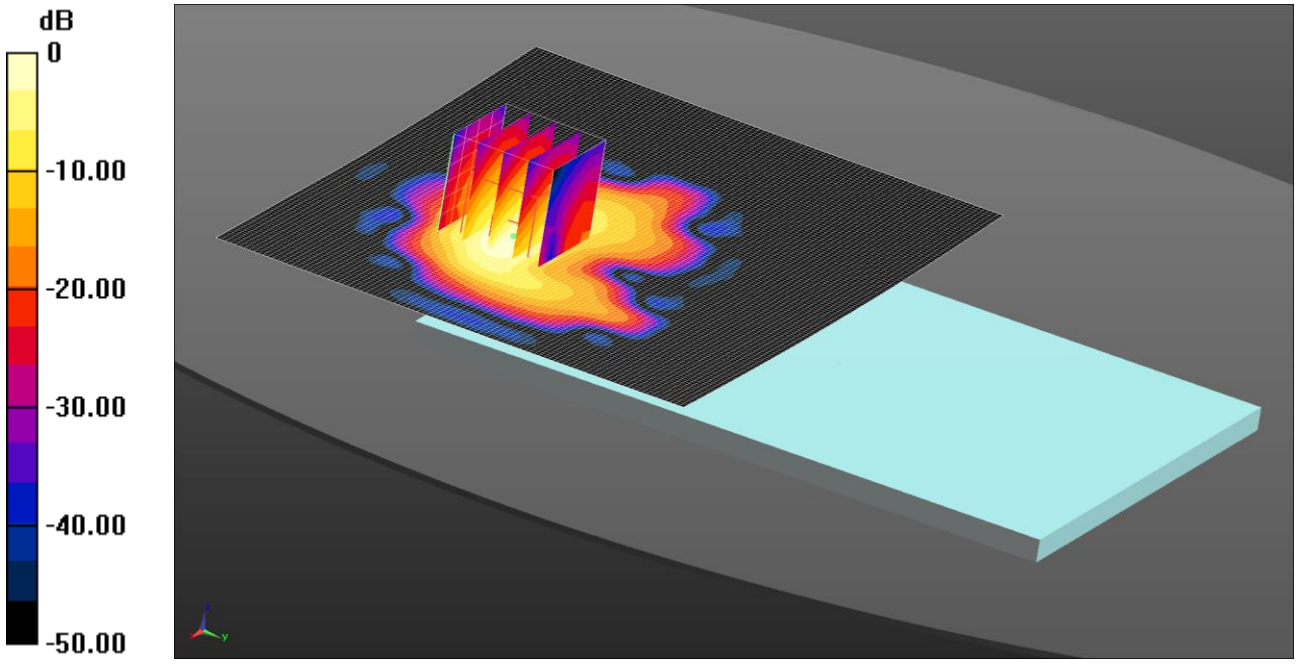
0 dB = 1.03 W/kg = 0.12 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.529 S/m; ε_r = 53.564; ρ = 1000 kg/m^3
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)

Configuration/Back of EUT Facing Phantom - Middle/Area Scan (131x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.03 W/kg

Configuration/Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.700 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.74 W/kg
SAR(1 g) = 0.868 W/kg; SAR(10 g) = 0.388 W/kg.
Maximum value of SAR (measured) = 1.02 W/kg

098: Back of EUT Facing Phantom LTE Band 2 1 RB Mid CH19100
Date: 24/07/14
DUT: A1600; Type: FCC ID: BCGA1600



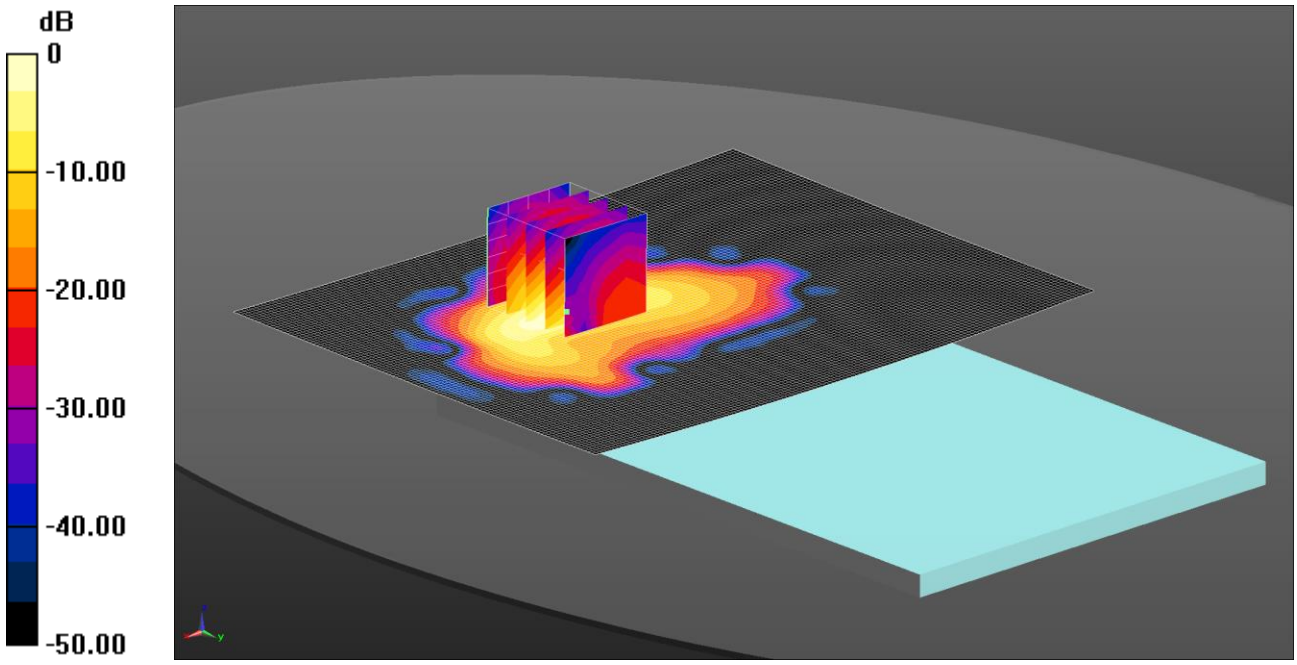
0 dB = 1.02 W/kg = 0.08 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used: f = 1900 MHz; σ = 1.549 S/m; ε_r = 53.493; ρ = 1000 kg/m^3
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)

Configuration/Back of EUT Facing Phantom - High/Area Scan (131x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.02 W/kg

Configuration/Back of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.485 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.76 W/kg
SAR(1 g) = 0.878 W/kg; SAR(10 g) = 0.389 W/kg
Maximum value of SAR (measured) = 1.04 W/kg

099: Back of EUT Facing Phantom LTE Band 2 50% RB Mid CH18700
Date: 25/07/14
DUT: A1600; Type: FCC ID: BCGA1600



0 dB = 1.17 W/kg = 0.68 dBW/kg

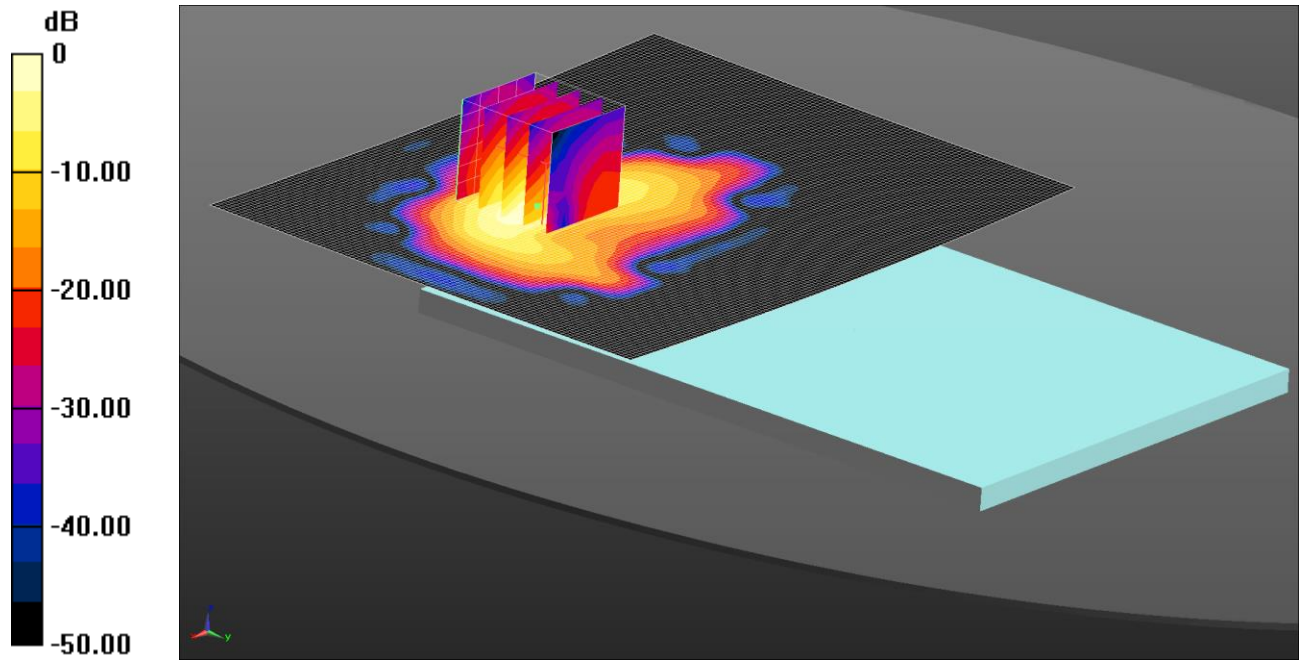
Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1860 MHz; σ = 1.509 S/m; ε_r = 53.635; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3995; ConvF(7.74, 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)

Configuration/Back of EUT Facing Phantom - Low/Area Scan (131x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.17 W/kg

Configuration/Back of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.219 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.95 W/kg
SAR(1 g) = 0.974 W/kg; SAR(10 g) = 0.433 W/kg
Maximum value of SAR (measured) = 1.14 W/kg

100: Back of EUT Facing Phantom LTE Band 2 50% RB Mid CH18900
Date: 24/07/14
DUT: A1600; Type: FCC ID: BCGA1600



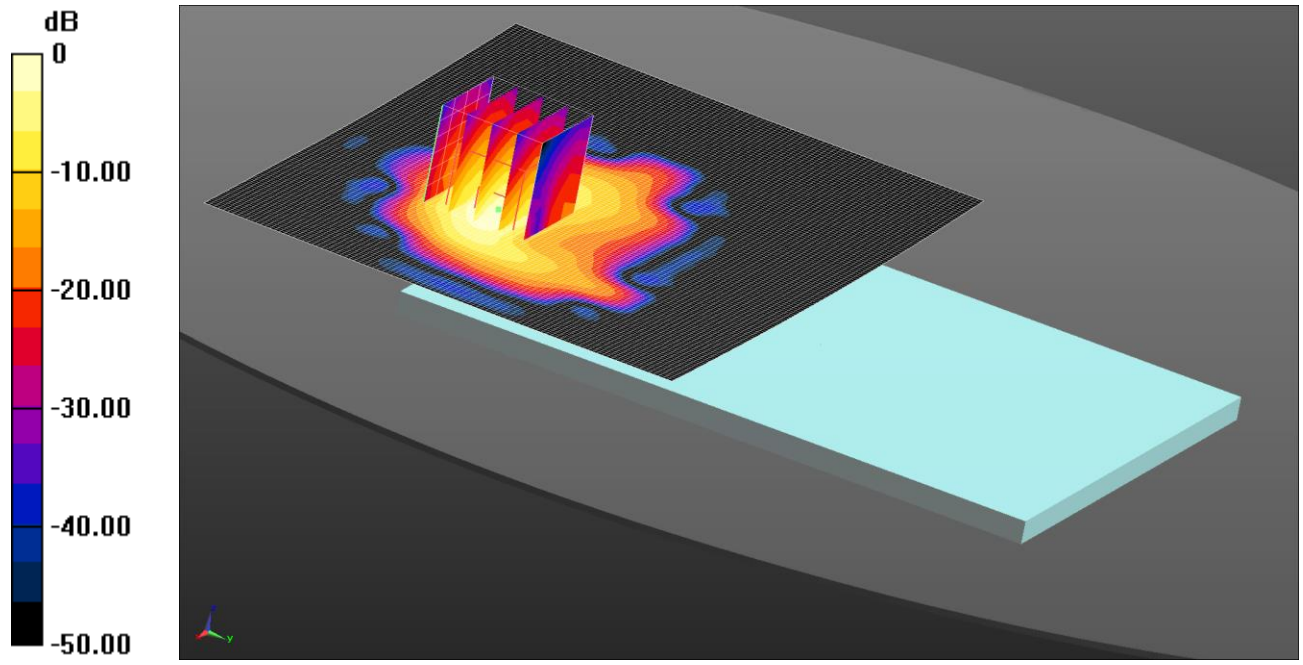
0 dB = 1.00 W/kg = 0.01 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.529 S/m; ε_r = 53.564; ρ = 1000 kg/m^3
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)

Configuration/Back of EUT Facing Phantom - Middle/Area Scan (131x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.00 W/kg

Configuration/Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.293 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 0.860 W/kg; SAR(10 g) = 0.383 W/kg
Maximum value of SAR (measured) = 1.02 W/kg

101: Back of EUT Facing Phantom LTE Band 2 50% RB Mid CH19100
Date: 24/07/14
DUT: A1600; Type: FCC ID: BCGA1600



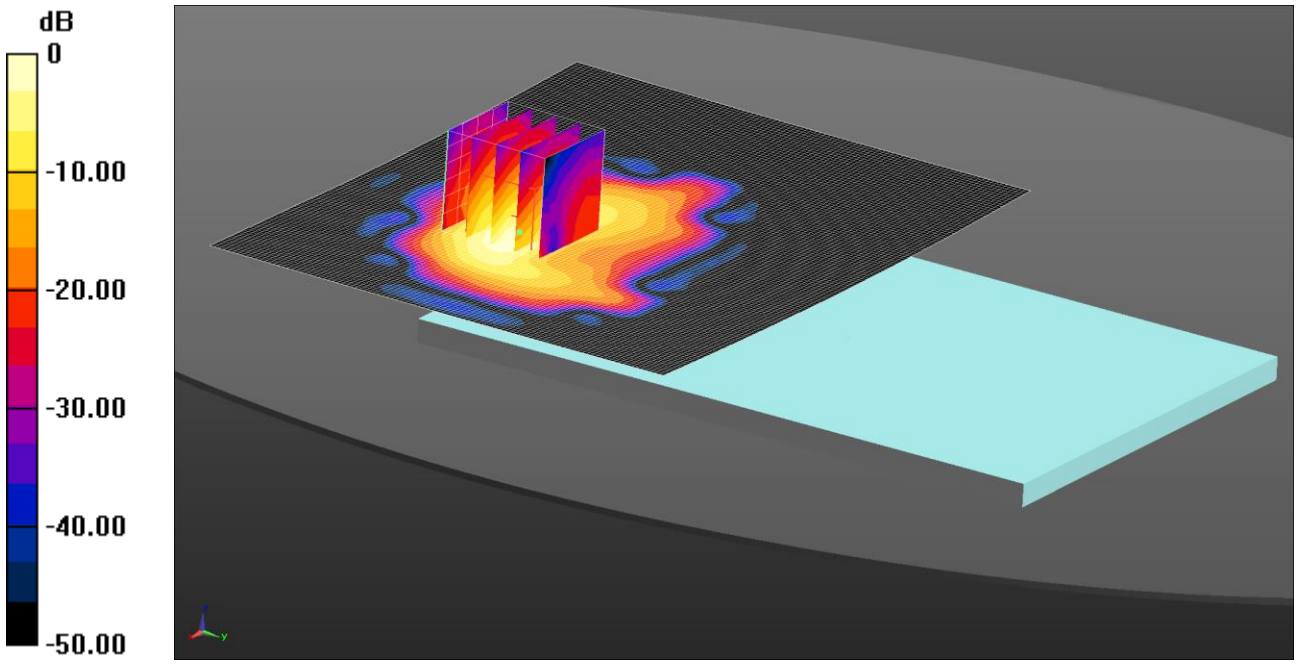
0 dB = 1.04 W/kg = 0.17 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used: f = 1900 MHz; σ = 1.549 S/m; ε_r = 53.493; ρ = 1000 kg/m^3
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)

Configuration/Back of EUT Facing Phantom - High/Area Scan (131x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.04 W/kg

Configuration/Back of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.575 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.80 W/kg
SAR(1 g) = 0.895 W/kg; SAR(10 g) = 0.397 W/kg
Maximum value of SAR (measured) = 1.07 W/kg

102: Back of EUT Facing Phantom LTE Band 2 100% RB Low CH18700
Date: 24/07/14
DUT: A1600; Type: FCC ID: BCGA1600



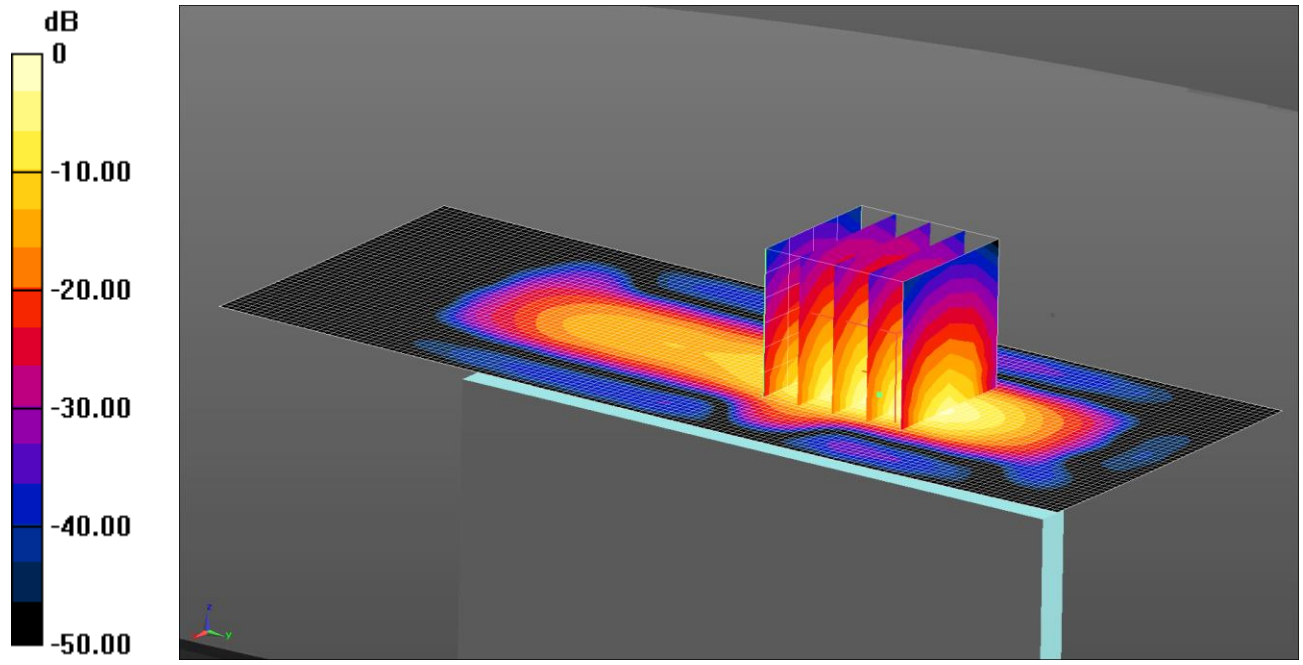
0 dB = 0.993 W/kg = -0.03 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1860 MHz; σ = 1.509 S/m; ε_r = 53.635; ρ = 1000 kg/m^3
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)

Configuration/Back of EUT Facing Phantom - High/Area Scan (131x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.993 W/kg

Configuration/Back of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.094 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.57 W/kg
SAR(1 g) = 0.790 W/kg; SAR(10 g) = 0.351 W/kg
Maximum value of SAR (measured) = 0.944 W/kg

103: Top of EUT Facing Phantom LTE Band 2 1 RB Mid CH18700
Date: 24/07/14
DUT: A1600; Type: FCC ID: BCGA1600



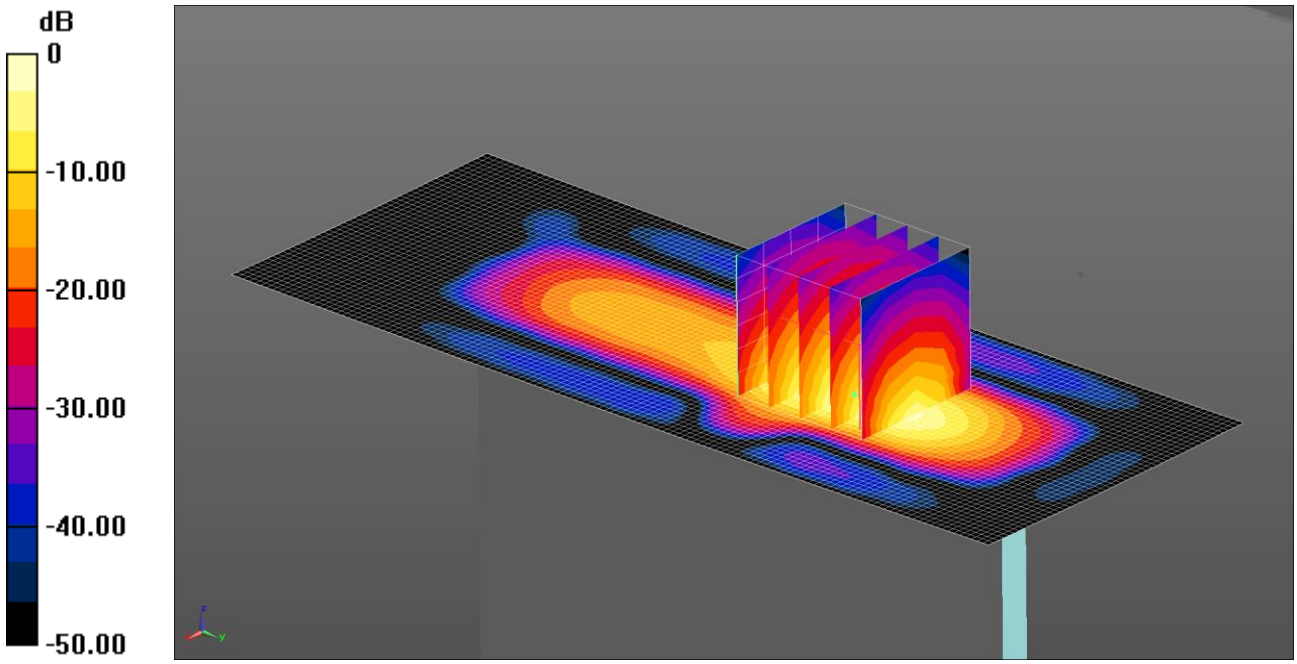
0 dB = 1.90 W/kg = 2.78 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1860 MHz; σ = 1.509 S/m; ε_r = 53.635; ρ = 1000 kg/m^3
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)

Configuration/Top of EUT Facing Phantom - Low/Area Scan (51x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.90 W/kg

Configuration/Top of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.148 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.61 W/kg
SAR(1 g) = 0.834 W/kg; SAR(10 g) = 0.390 W/kg
Maximum value of SAR (measured) = 0.957 W/kg

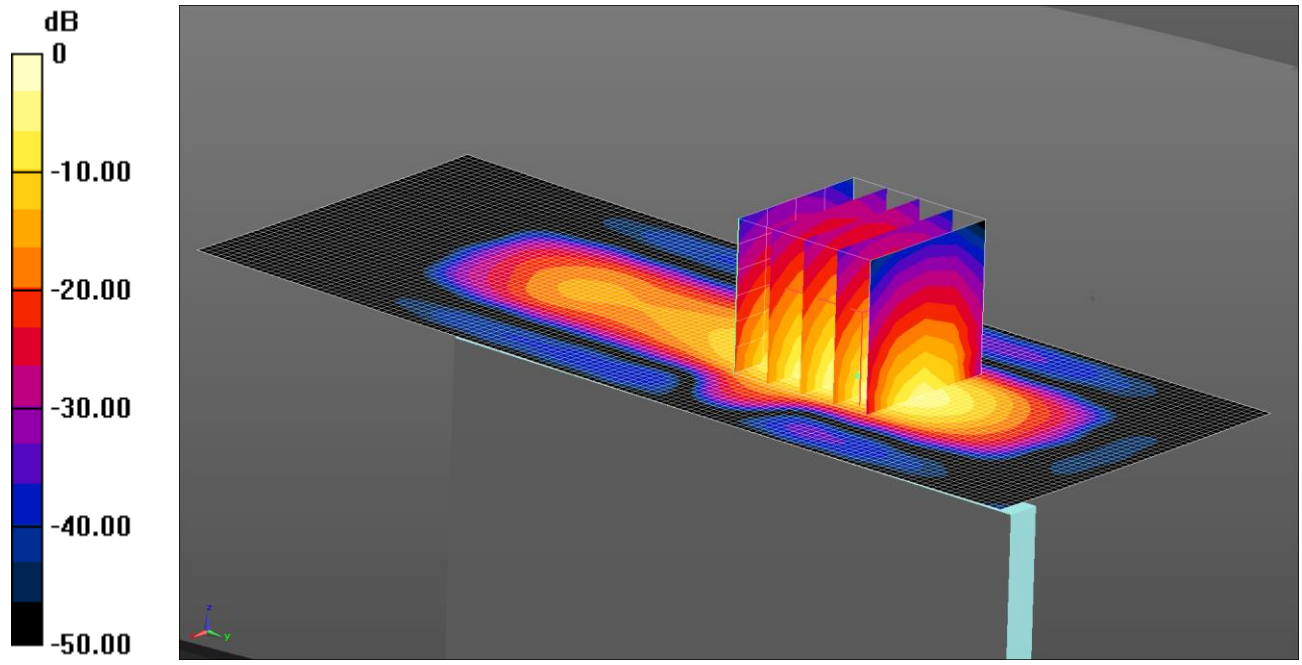
104: Top of EUT Facing Phantom LTE Band 2 1 RB Mid CH18900
Date: 24/07/14
DUT: A1600; Type: FCC ID: BCGA1600



0 dB = 1.96 W/kg = 2.93 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.529 S/m; ε_r = 53.564; ρ = 1000 kg/m^3
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)
Configuration/Top of EUT Facing Phantom - Middle/Area Scan (51x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.96 W/kg
Configuration/Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.119 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.63 W/kg
SAR(1 g) = 0.844 W/kg; SAR(10 g) = 0.395 W/kg
Maximum value of SAR (measured) = 0.967 W/kg

105: Top of EUT Facing Phantom LTE Band 2 1 RB Mid CH19100
Date: 24/07/14
DUT: A1600; Type: FCC ID: BCGA1600

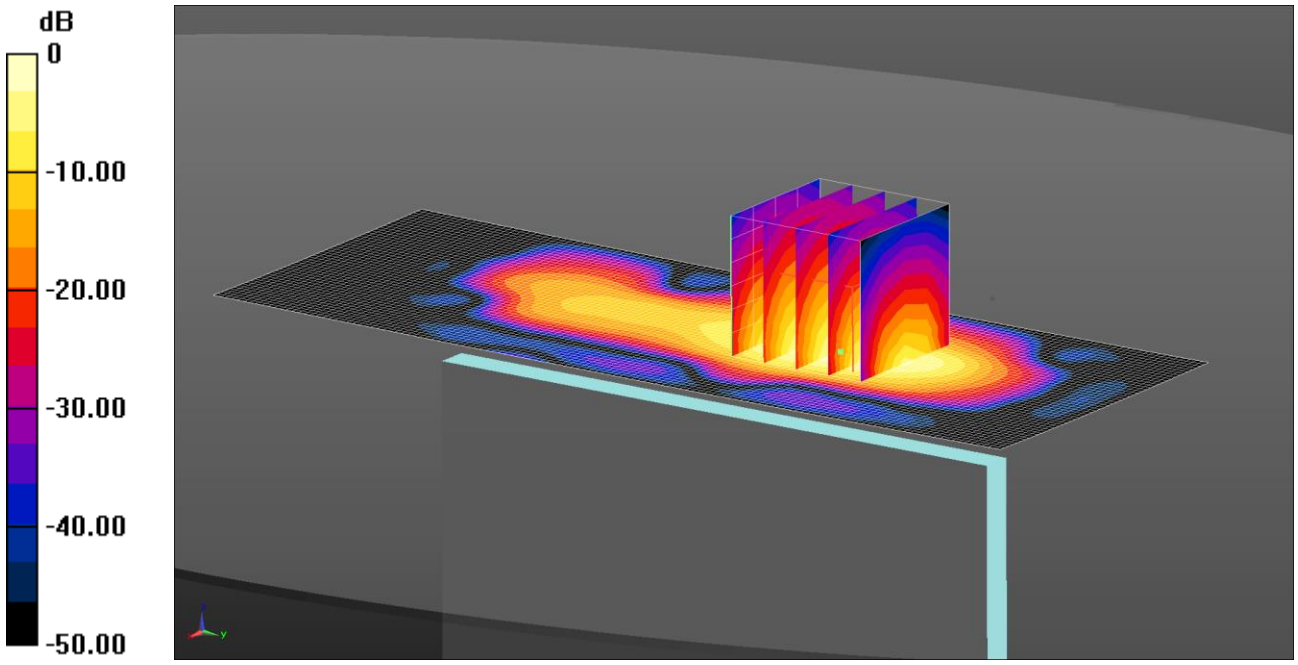


0 dB = 1.82 W/kg = 2.61 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used: f = 1900 MHz; σ = 1.549 S/m; ε_r = 53.493; ρ = 1000 kg/m^3
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)

Configuration/Top of EUT Facing Phantom - Middle/Area Scan (51x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.82 W/kg
Configuration/Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.15 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 0.771 W/kg; SAR(10 g) = 0.359 W/kg
Maximum value of SAR (measured) = 0.893 W/kg

106: Top of EUT Facing Phantom LTE Band 2 50RB Mid CH18700
Date: 25/07/14
DUT: A1600; Type: FCC ID: BCGA1600



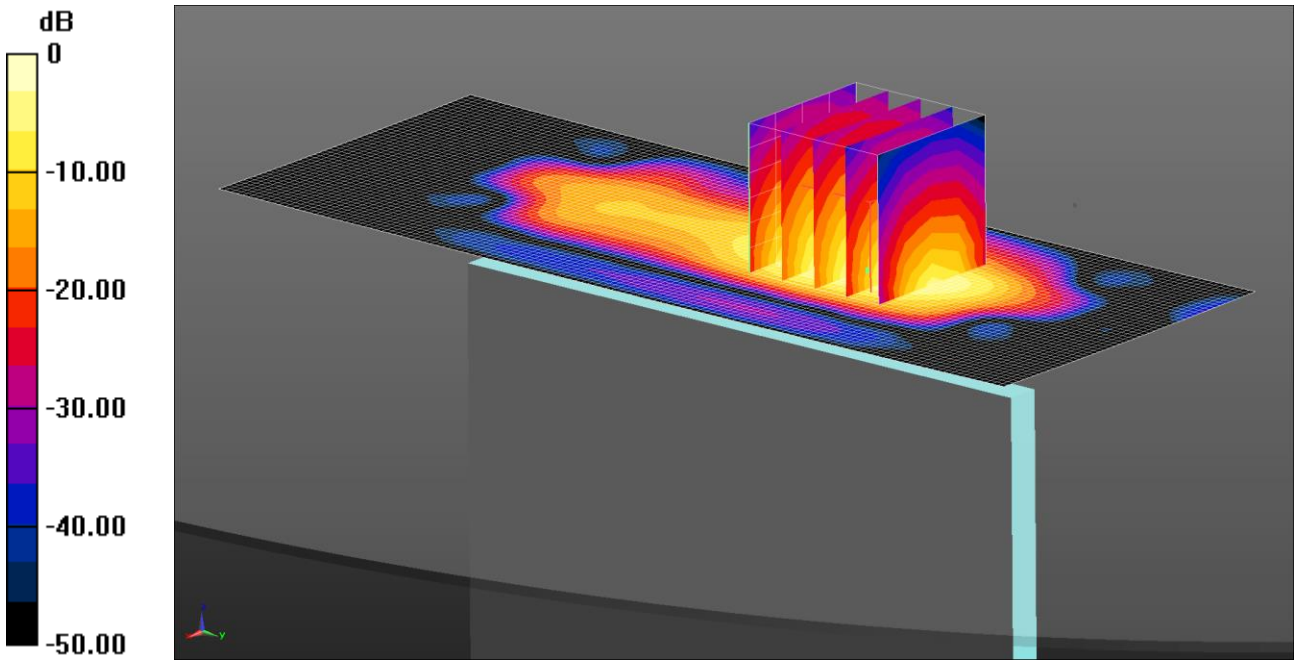
0 dB = 1.23 W/kg = 0.89 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1860 MHz; σ = 1.509 S/m; ε_r = 53.635; ρ = 1000 kg/m^3
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)

Configuration/Top of EUT Facing Phantom - Middle/Area Scan (51x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.23 W/kg

Configuration/Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.11 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.68 W/kg
SAR(1 g) = 0.863 W/kg; SAR(10 g) = 0.402 W/kg
Maximum value of SAR (measured) = 0.988 W/kg

107: Top of EUT Facing Phantom LTE Band 2 50RB Mid CH18900
Date: 25/07/14
DUT: A1600; Type: FCC ID: BCGA1600



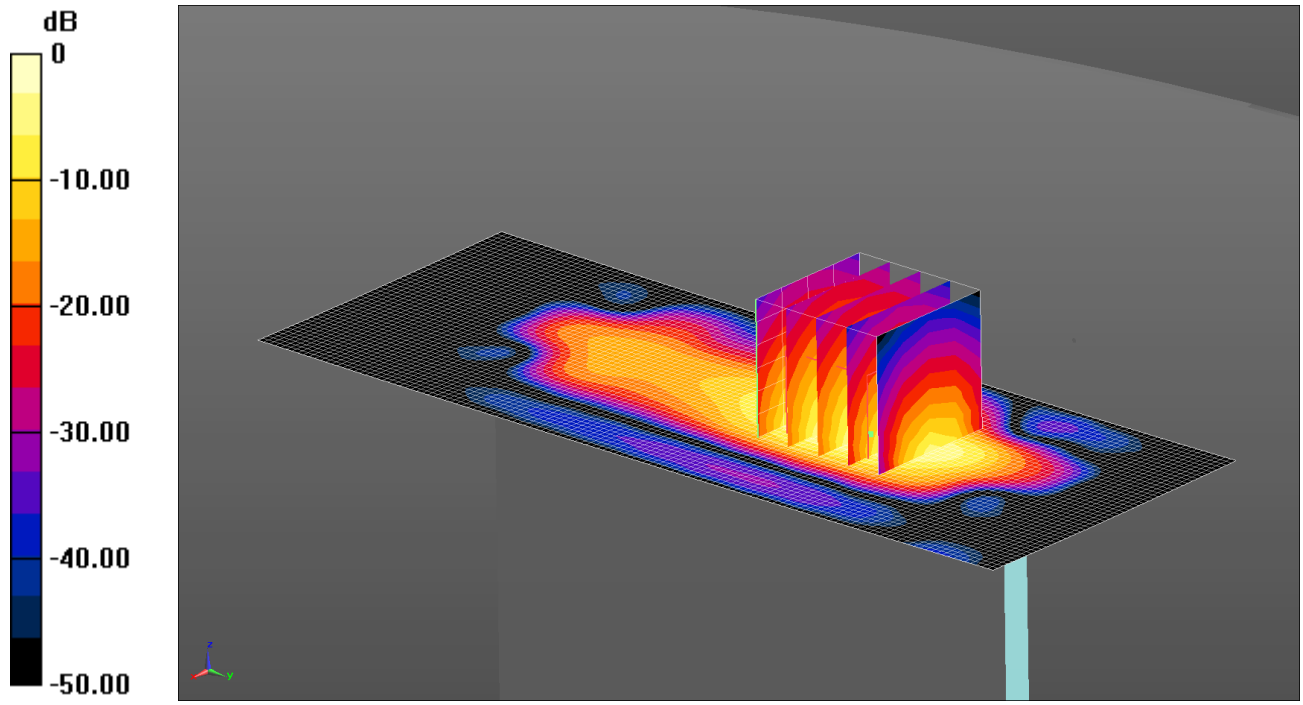
0 dB = 1.20 W/kg = 0.81 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1880 MHz; σ = 1.529 S/m; ε_r = 53.564; ρ = 1000 kg/m^3
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)

Configuration/Top of EUT Facing Phantom - Middle/Area Scan (51x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.20 W/kg

Configuration/Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.67 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.811 W/kg; SAR(10 g) = 0.377 W/kg
Maximum value of SAR (measured) = 0.928 W/kg

108: Top of EUT Facing Phantom LTE Band 2 50RB Mid CH19100
Date: 25/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

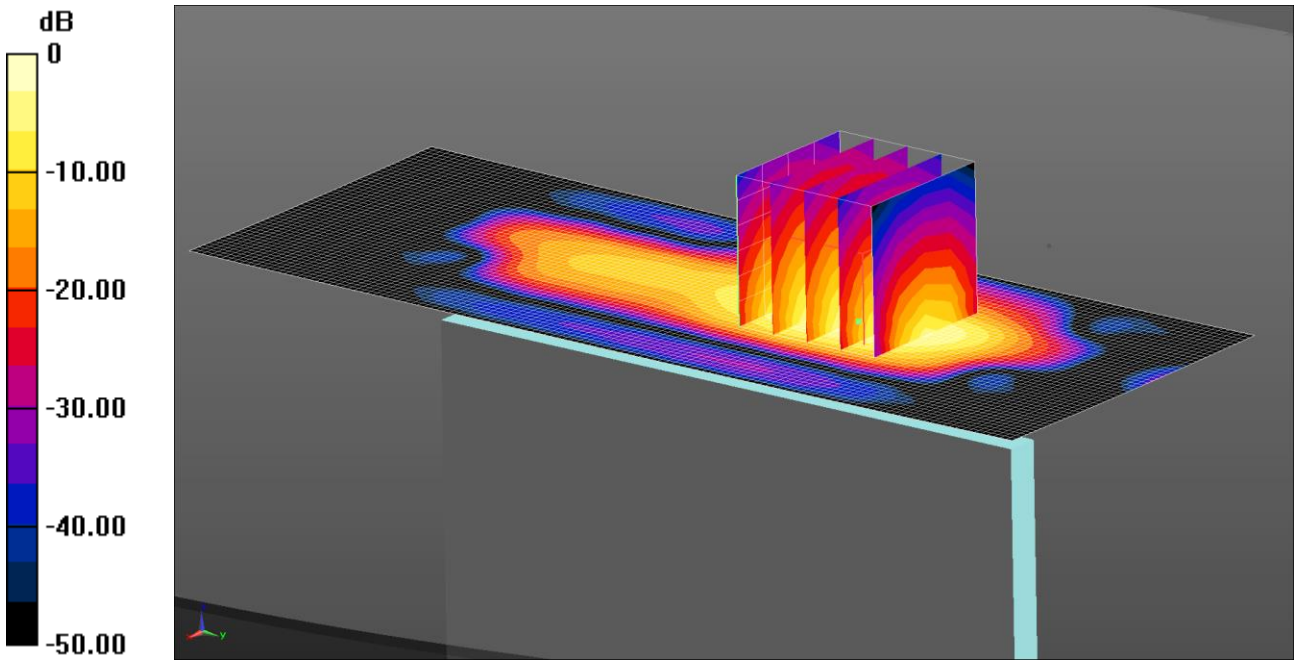


0 dB = 1.23 W/kg = 0.91 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used: f = 1900 MHz; σ = 1.549 S/m; ε_r = 53.493; ρ = 1000 kg/m^3
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)

Configuration/Top of EUT Facing Phantom - High/Area Scan (51x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.23 W/kg
Configuration/Top of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.107 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 0.789 W/kg; SAR(10 g) = 0.368 W/kg
Maximum value of SAR (measured) = 0.897 W/kg

109: Top of EUT Facing Phantom LTE Band 2 100% RB Low CH18700
Date: 25/07/14
DUT: A1600; Type: FCC ID: BCGA1600



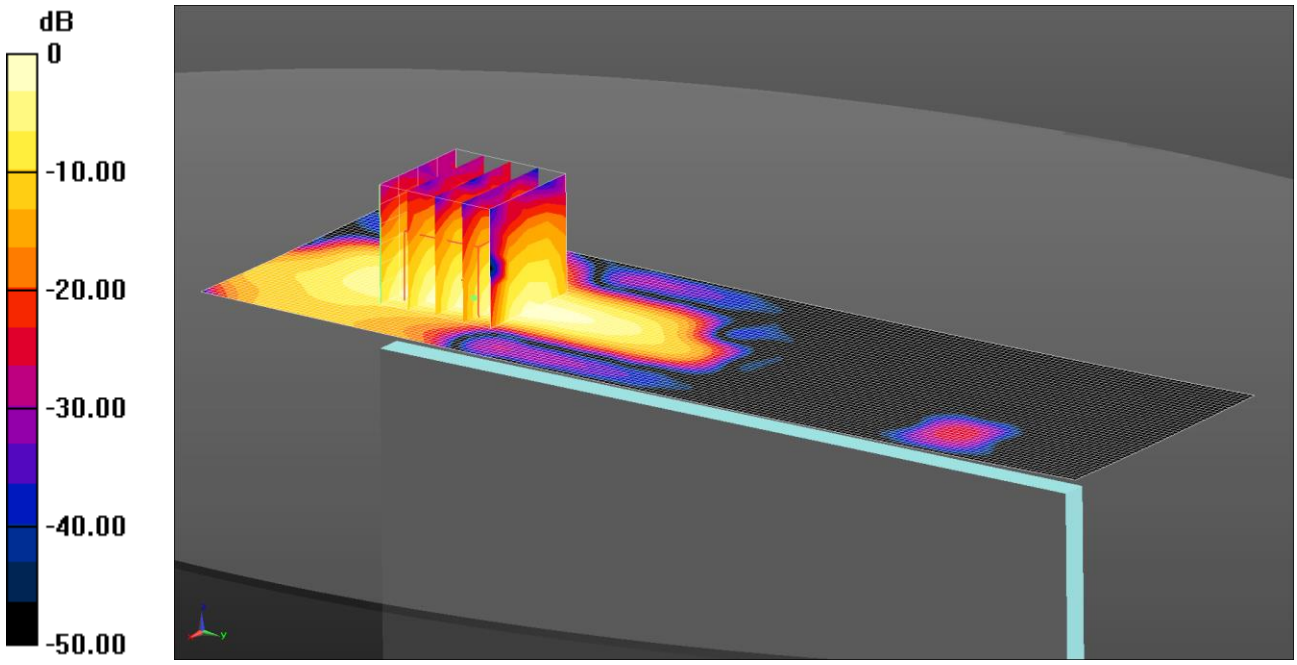
0 dB = 1.29 W/kg = 1.11 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1860 MHz; σ = 1.509 S/m; ε_r = 53.635; ρ = 1000 kg/m^3
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)

Configuration/Top of EUT Facing Phantom - Low/Area Scan (51x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.29 W/kg

Configuration/Top of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.96 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.68 W/kg
SAR(1 g) = 0.862 W/kg; SAR(10 g) = 0.401 W/kg
Maximum value of SAR (measured) = 0.985 W/kg

110: Right of EUT Facing Phantom LTE Band 2 1 RB Mid CH18700
Date: 25/07/14
DUT: A1600; Type: FCC ID: BCGA1600



0 dB = 0.117 W/kg = -9.32 dBW/kg

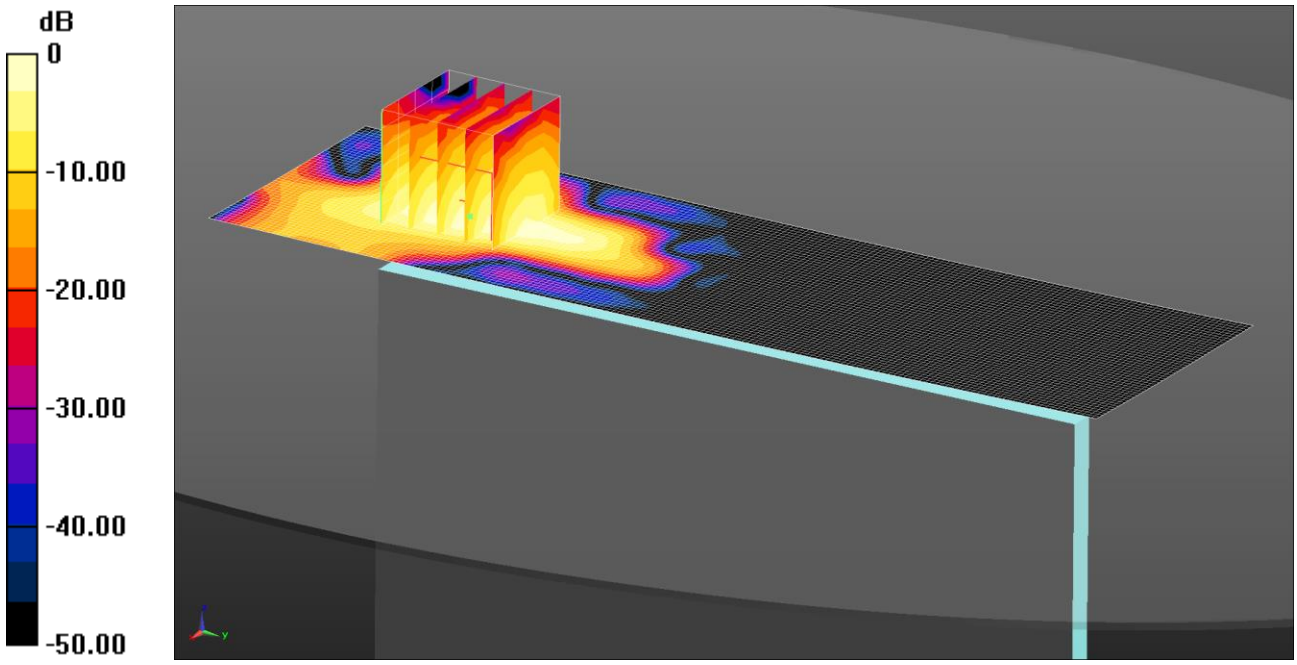
Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1860 MHz; σ = 1.509 S/m; ε_r = 53.635; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3995; ConvF(7.74, 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)

Configuration/Right of EUT Facing Phantom - Low/Area Scan (51x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.117 W/kg

Configuration/Right of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.177 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.186 W/kg
SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.044 W/kg
Maximum value of SAR (measured) = 0.105 W/kg

Note: SAR level measured is very low as equivalent to noise floor.

110: Right of EUT Facing Phantom LTE Band 2 50% RB Mid CH18700
Date: 25/07/14
DUT: A1600; Type: FCC ID: BCGA1600



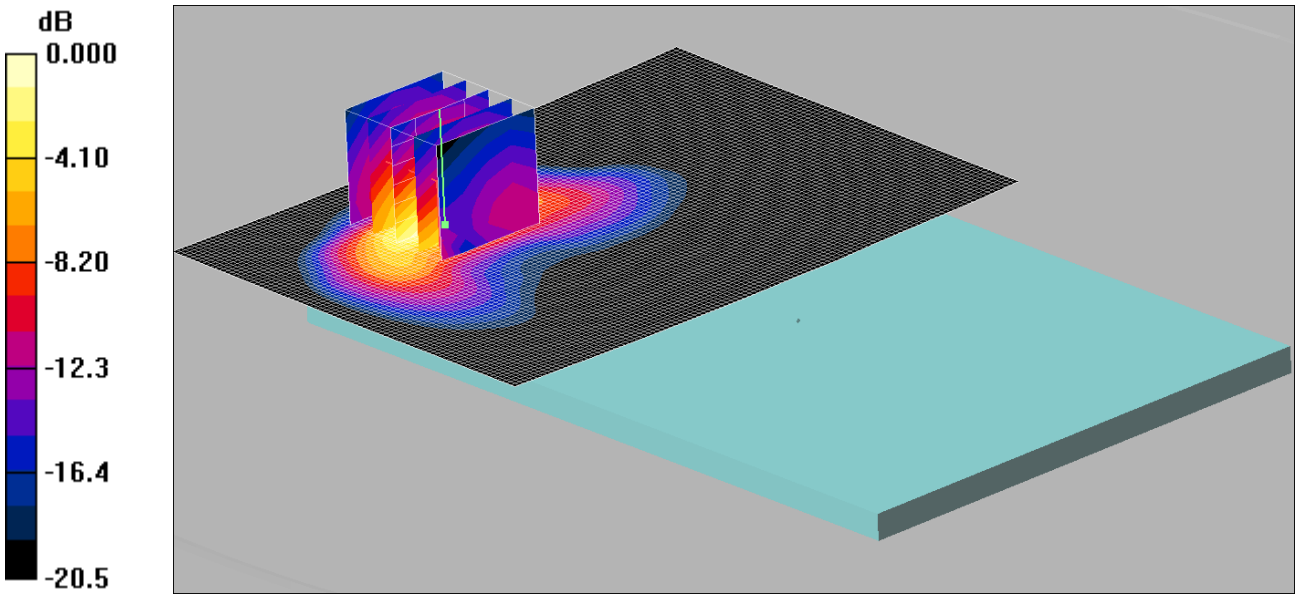
0 dB = 0.147 W/kg = -8.33 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1860 MHz; σ = 1.509 S/m; ε_r = 53.635; ρ = 1000 kg/m^3
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)

Configuration/Right of EUT Facing Phantom - Low/Area Scan (51x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.147 W/kg

Configuration/Right of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.176 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.216 W/kg
SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.054 W/kg
Maximum value of SAR (measured) = 0.137 W/kg

112: Back of EUT Facing Phantom LTE 4 1RB Mid CH20050
Date: 28/07/2014
DUT: A1600; Type: FCC ID: BCGA1600



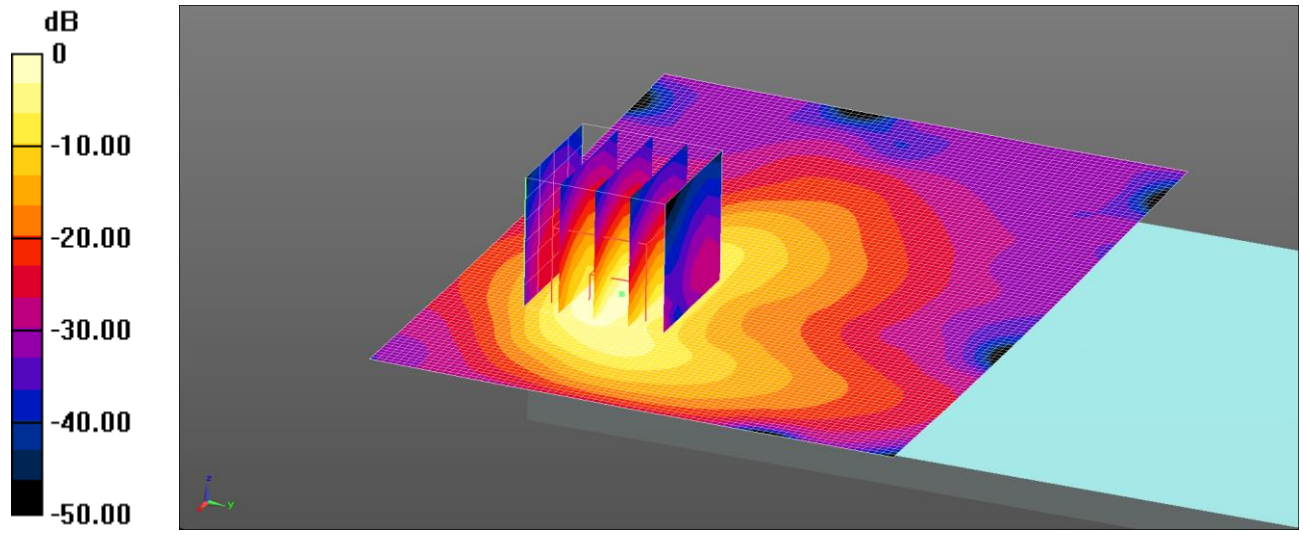
0 dB = 0.947mW/g

Communication System: LTE - Band 4 / 20MHz Channel; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used (interpolated): f = 1720 MHz; σ = 1.5 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(4.94, 4.94, 4.94);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - Low/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.837 mW/g

Back of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.3 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.811 mW/g; SAR(10 g) = 0.381 mW/g
Maximum value of SAR (measured) = 0.947 mW/g

113: Back of EUT Facing Phantom LTE 4 1RB Mid CH20175
Date: 28/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

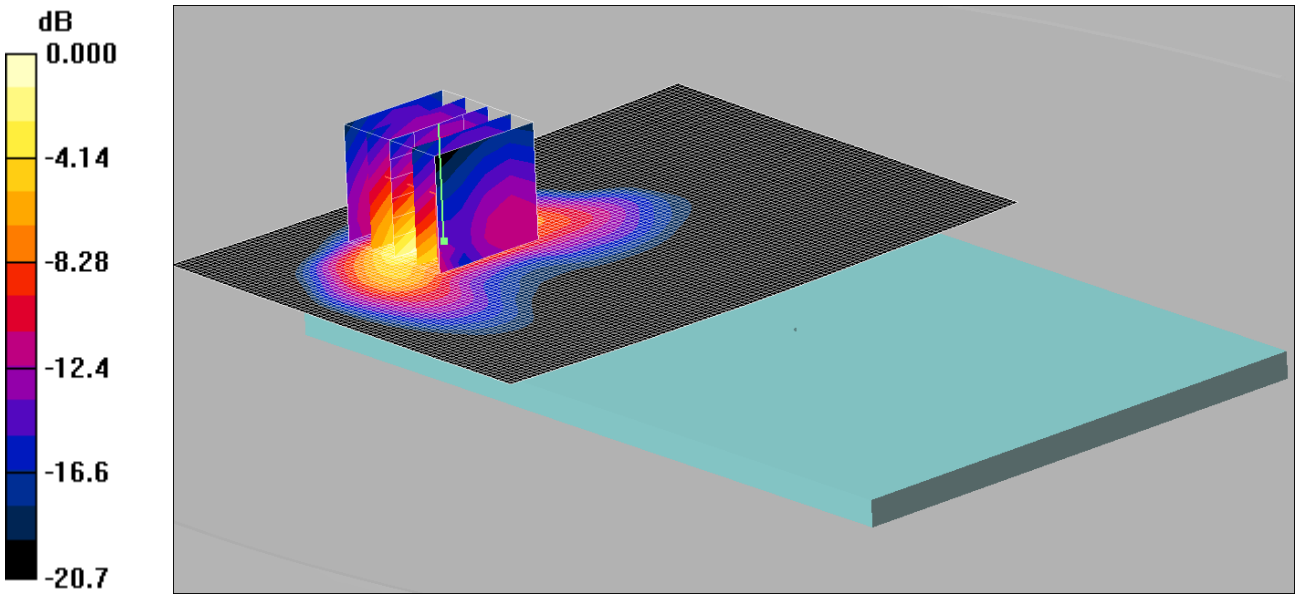


0 dB = 0.654 W/kg = -1.84 dBW/kg

Communication System: UID 0, LTE FDD Bands - 20MHz Channel BW (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.508 S/m; εr = 52.559; ρ = 1000 kg/m3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(4.94, 4.94, 4.94); 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/Back of EUT Facing Phantom - Middle/Area Scan (111x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.654 W/kg
Configuration/Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.427 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.629 W/kg; SAR(10 g) = 0.294 W/kg
Maximum value of SAR (measured) = 0.735 W/kg

114: Back of EUT Facing Phantom LTE 4 1RB Mid CH20300
Date: 28/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

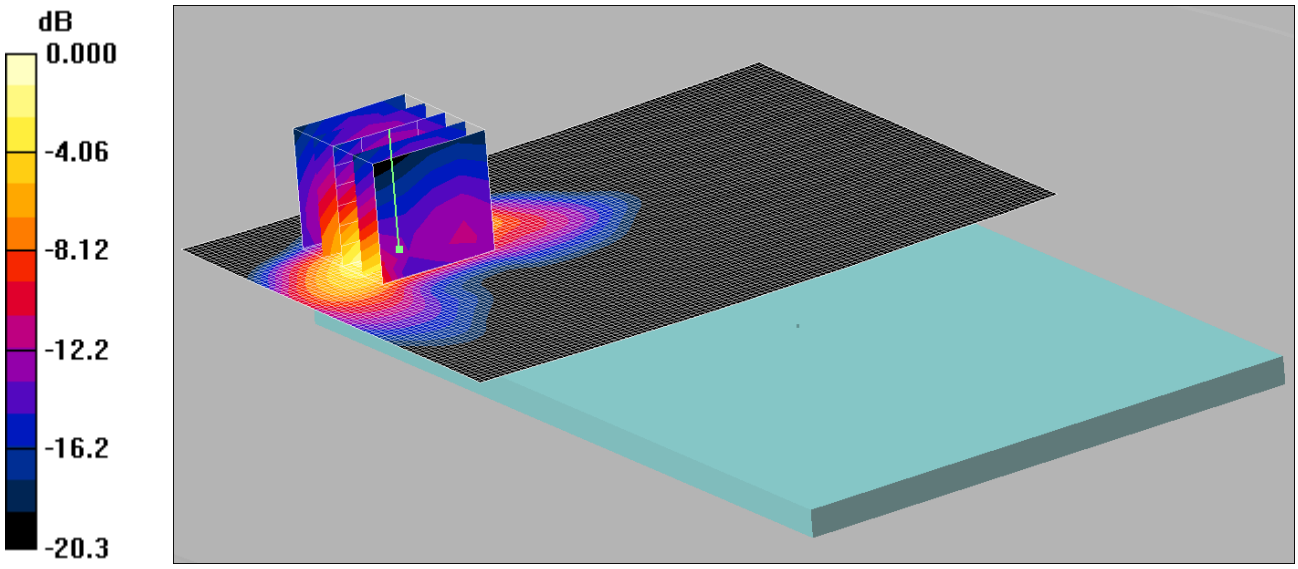


0 dB = 0.680mW/g

Communication System: LTE - Band 4 / 20MHz Channel; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used (interpolated): f = 1745 MHz; σ = 1.52 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(4.94, 4.94, 4.94);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186
Back of EUT Facing Phantom - High/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.596 mW/g

Back of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.5 V/m; Power Drift = -0.026 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.583 mW/g; SAR(10 g) = 0.271 mW/g
Maximum value of SAR (measured) = 0.680 mW/g

115: Back of EUT Facing Phantom LTE 4 50%RB Mid CH20050
Date: 28/07/2014
DUT: A1600; Type: FCC ID: BCGA1600



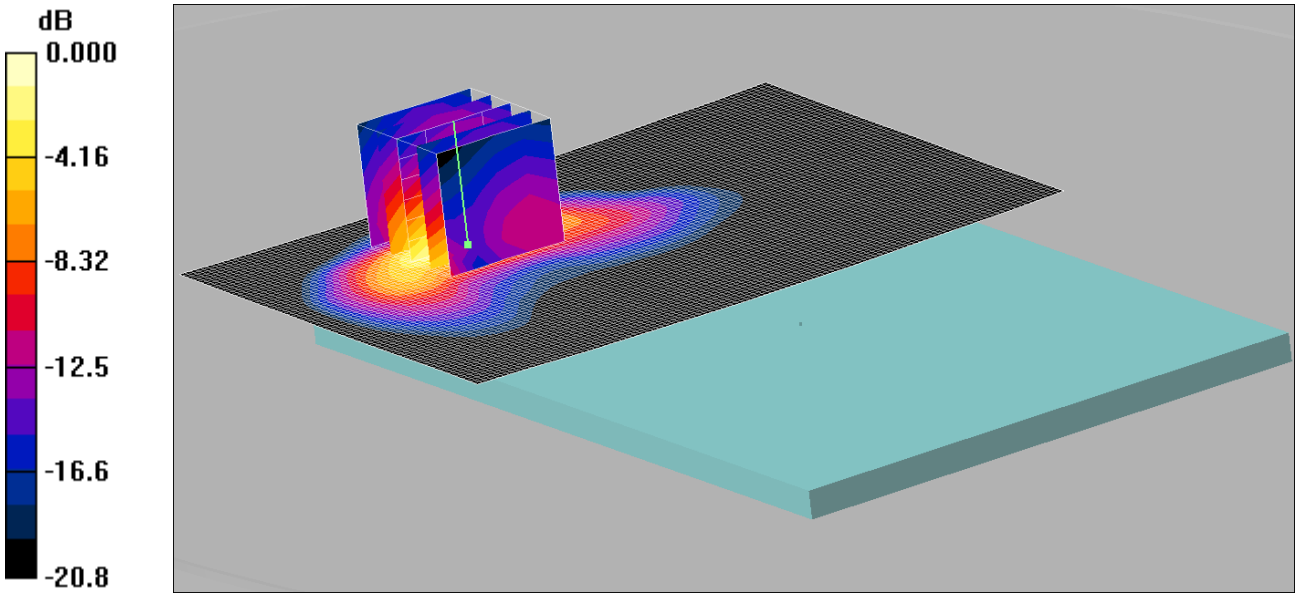
0 dB = 0.999mW/g

Communication System: LTE - Band 4 / 20MHz Channel; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used (interpolated): f = 1720 MHz; σ = 1.5 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(4.94, 4.94, 4.94);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - Low/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.877 mW/g

Back of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.0 V/m; Power Drift = -0.013 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 0.863 mW/g; SAR(10 g) = 0.399 mW/g
Maximum value of SAR (measured) = 0.999 mW/g

116: Back of EUT Facing Phantom LTE 4 50%RB Mid CH20175
Date: 28/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

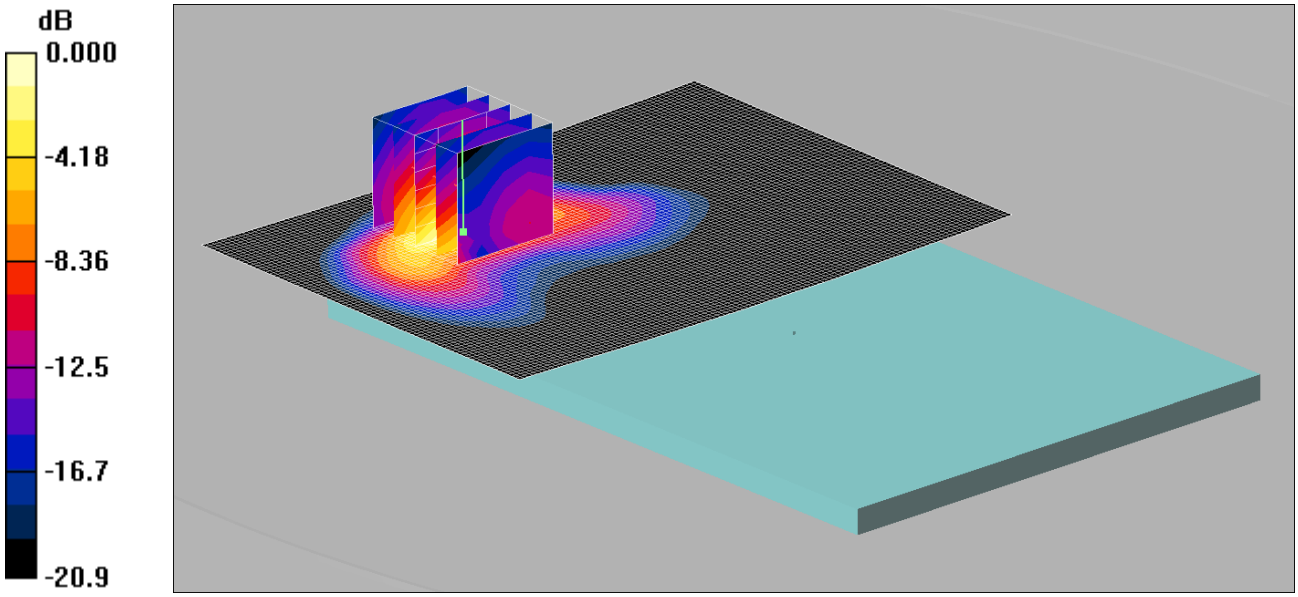


0 dB = 0.730mW/g

Communication System: LTE - Band 4 / 20MHz Channel; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.51 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(4.94, 4.94, 4.94);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186
Back of EUT Facing Phantom - Middle/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.635 mW/g

Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.4 V/m; Power Drift = 0.023 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.626 mW/g; SAR(10 g) = 0.292 mW/g
Maximum value of SAR (measured) = 0.730 mW/g

117: Back of EUT Facing Phantom LTE 4 50%RB Mid CH20300
Date: 28/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

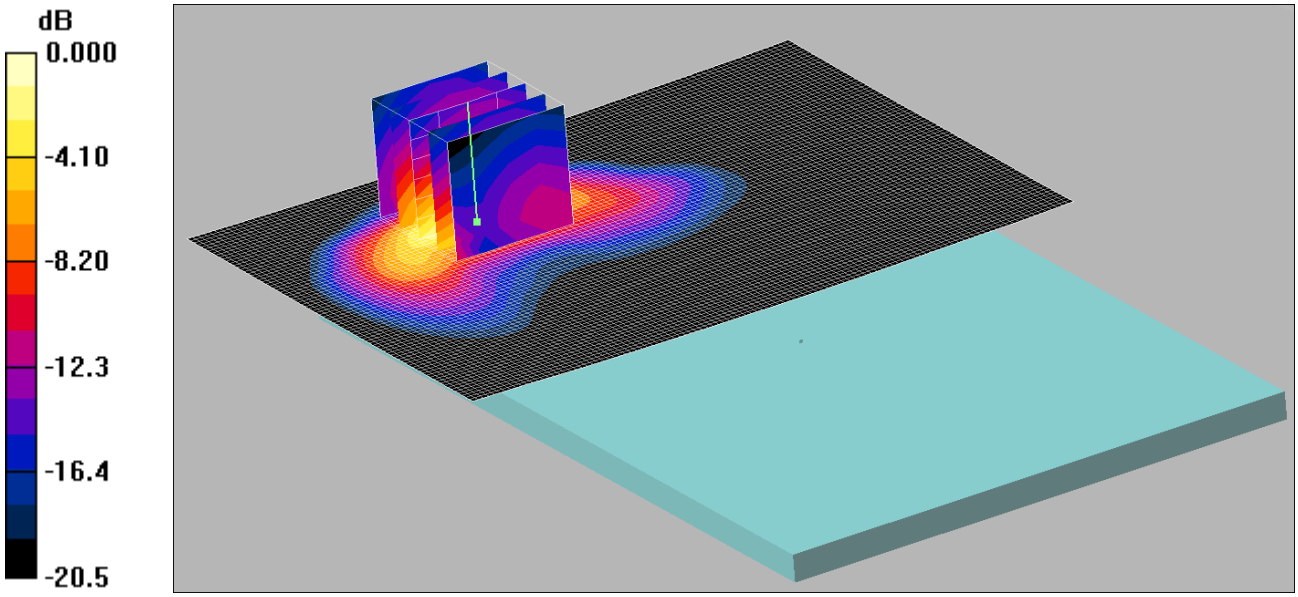


0 dB = 0.685mW/g

Communication System: LTE - Band 4 / 20MHz Channel; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used (interpolated): f = 1745 MHz; σ = 1.52 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(4.94, 4.94, 4.94);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - High/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.599 mW/g
Back of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.5 V/m; Power Drift = -0.008 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.585 mW/g; SAR(10 g) = 0.272 mW/g
Maximum value of SAR (measured) = 0.685 mW/g

118: Back of EUT Facing Phantom LTE 4 100%RB Mid CH20050
Date: 28/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

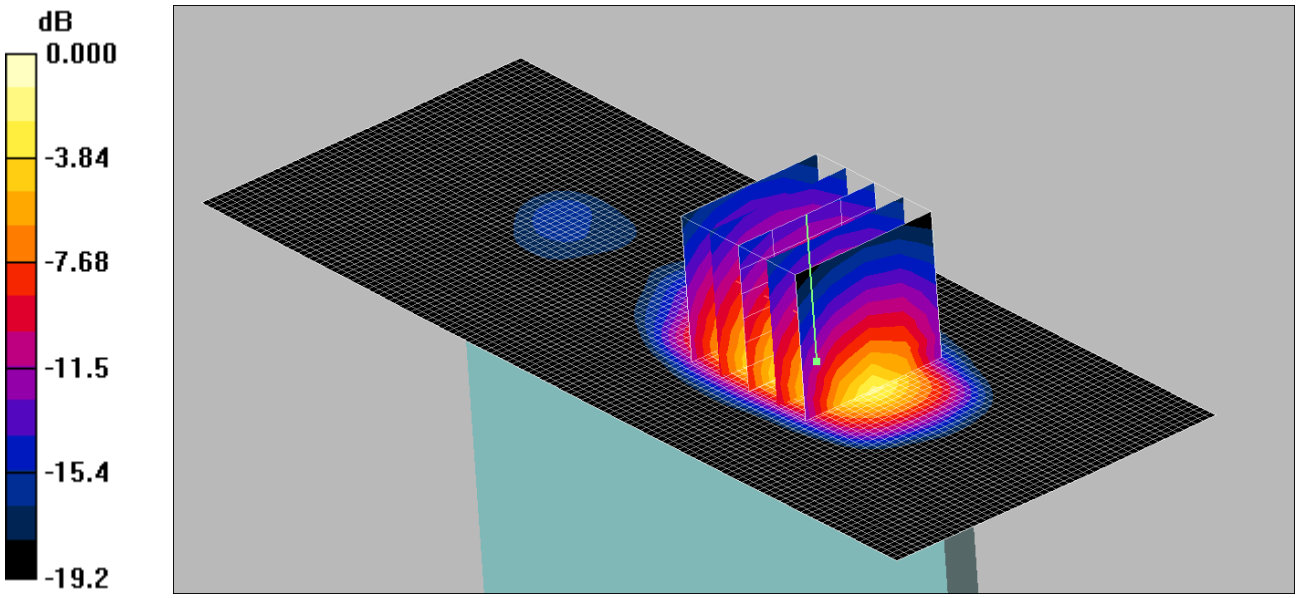


0 dB = 0.915mW/g

Communication System: LTE - Band 4 / 20MHz Channel; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used (interpolated): f = 1720 MHz; σ = 1.5 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(4.94, 4.94, 4.94);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186
Back of EUT Facing Phantom - Low/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.806 mW/g

Back of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.9 V/m; Power Drift = 0.005 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.780 mW/g; SAR(10 g) = 0.363 mW/g
Maximum value of SAR (measured) = 0.915 mW/g

119: Top of EUT Facing Phantom LTE 4 1RB Mid CH20050
Date: 28/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

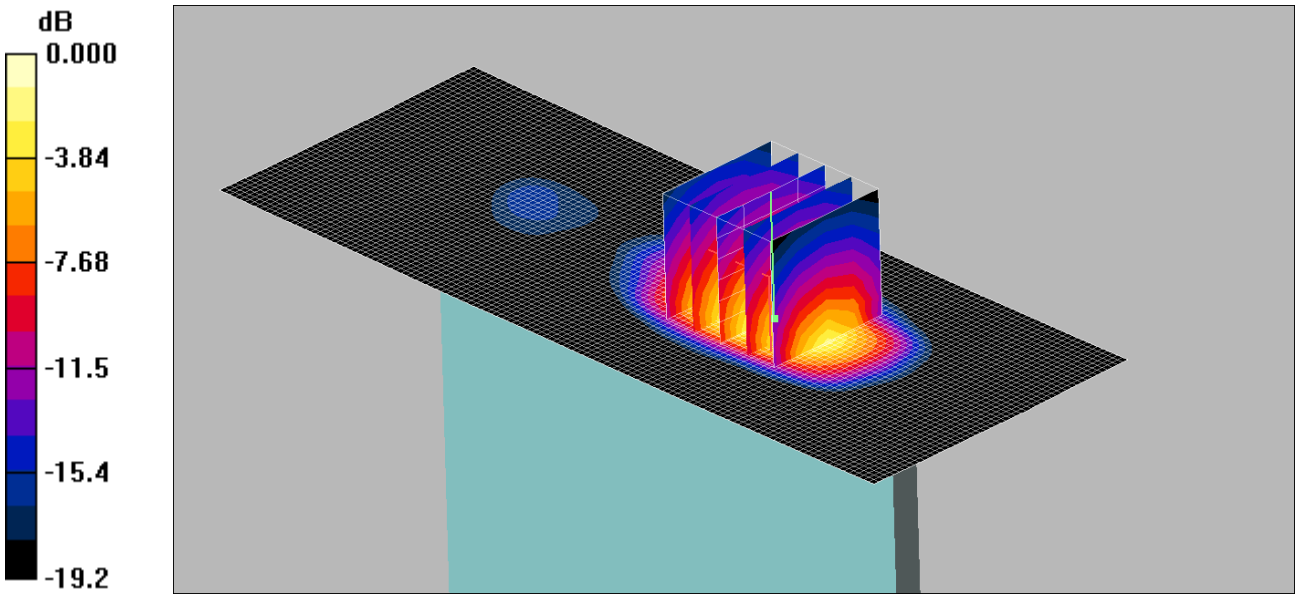


0 dB = 0.865mW/g

Communication System: LTE - Band 4 / 20MHz Channel; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used (interpolated): f = 1720 MHz; σ = 1.5 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(4.94, 4.94, 4.94);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Top of EUT Facing Phantom - Low/Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.15 mW/g
Top of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.70 V/m; Power Drift = 0.113 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.743 mW/g; SAR(10 g) = 0.367 mW/g
Maximum value of SAR (measured) = 0.865 mW/g

120: Top of EUT Facing Phantom LTE 4 50%RB Mid CH20050
Date: 28/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

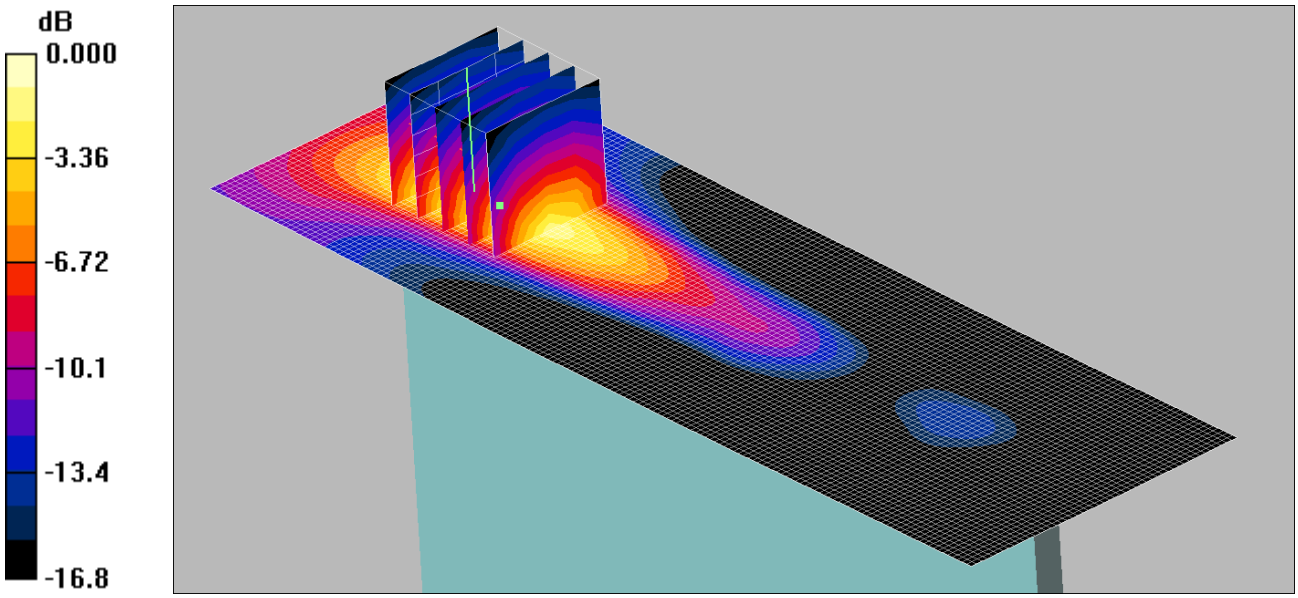


0 dB = 0.880mW/g

Communication System: LTE - Band 4 / 20MHz Channel; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used (interpolated): f = 1720 MHz; σ = 1.5 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(4.94, 4.94, 4.94);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186
Top of EUT Facing Phantom - Low/Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.16 mW/g

Top of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.68 V/m; Power Drift = 0.110 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.758 mW/g; SAR(10 g) = 0.375 mW/g
Maximum value of SAR (measured) = 0.880 mW/g

121: Right of EUT Facing Phantom LTE 4 1RB Mid CH20050
Date: 28/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

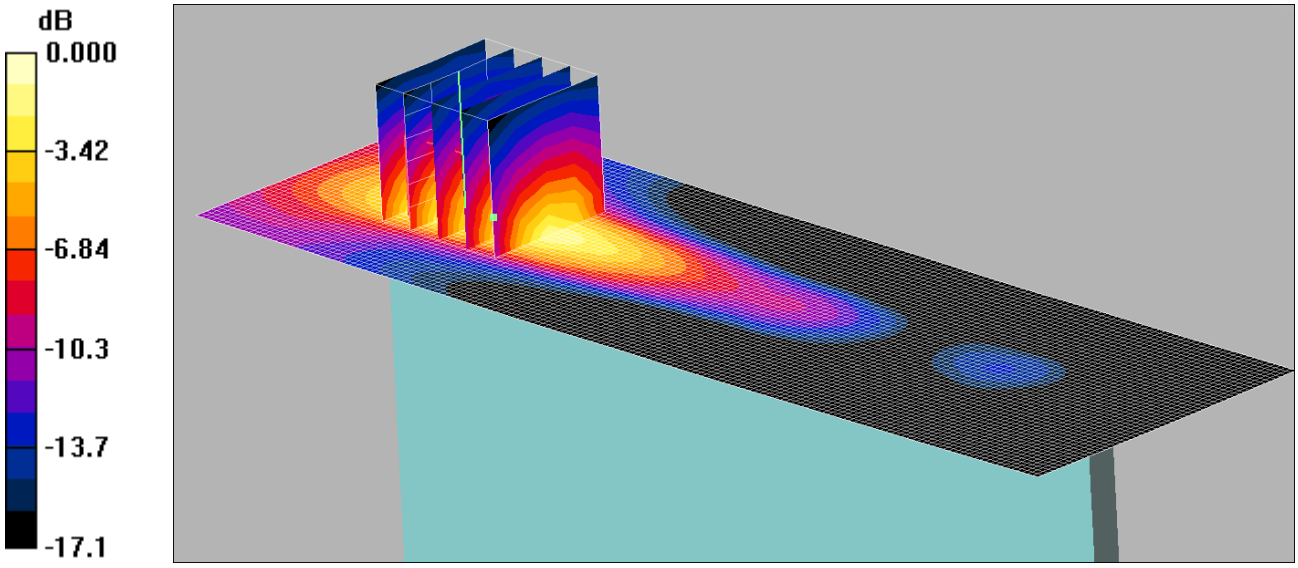


0 dB = 0.109mW/g

Communication System: LTE - Band 4 / 20MHz Channel; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used (interpolated): f = 1720 MHz; σ = 1.5 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(4.94, 4.94, 4.94);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186
Right of EUT Facing Phantom - Low/Area Scan (51x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.092 mW/g

Right of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.45 V/m; Power Drift = -0.115 dB
Peak SAR (extrapolated) = 0.160 W/kg
SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.046 mW/g
Maximum value of SAR (measured) = 0.109 mW/g

122: Right of EUT Facing Phantom LTE 4 50%RB Mid CH20050
Date: 28/07/2014
DUT: A1600; Type: FCC ID: BCGA1600



0 dB = 0.109mW/g

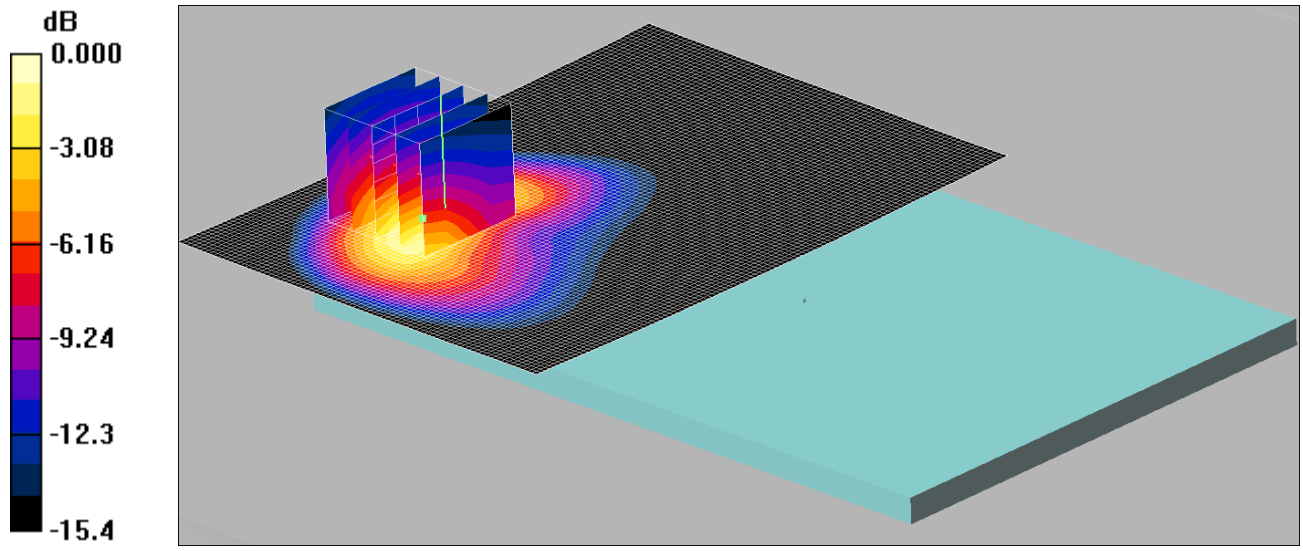
Communication System: LTE - Band 4 / 20MHz Channel; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: 1800 MHz MSL Medium parameters used (interpolated): f = 1720 MHz; σ = 1.5 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(4.94, 4.94, 4.94);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Right of EUT Facing Phantom - Low/Area Scan (51x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.095 mW/g

Right of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.44 V/m; Power Drift = -0.082 dB
Peak SAR (extrapolated) = 0.163 W/kg
SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.047 mW/g
Maximum value of SAR (measured) = 0.109 mW/g

Note: SAR level measured is very low as equivalent to noise floor.

123: Back of EUT Facing Phantom LTE 5 1RB High CH20525
Date: 22/07/2014
DUT: A1600; Type: FCC ID: BCGA1600



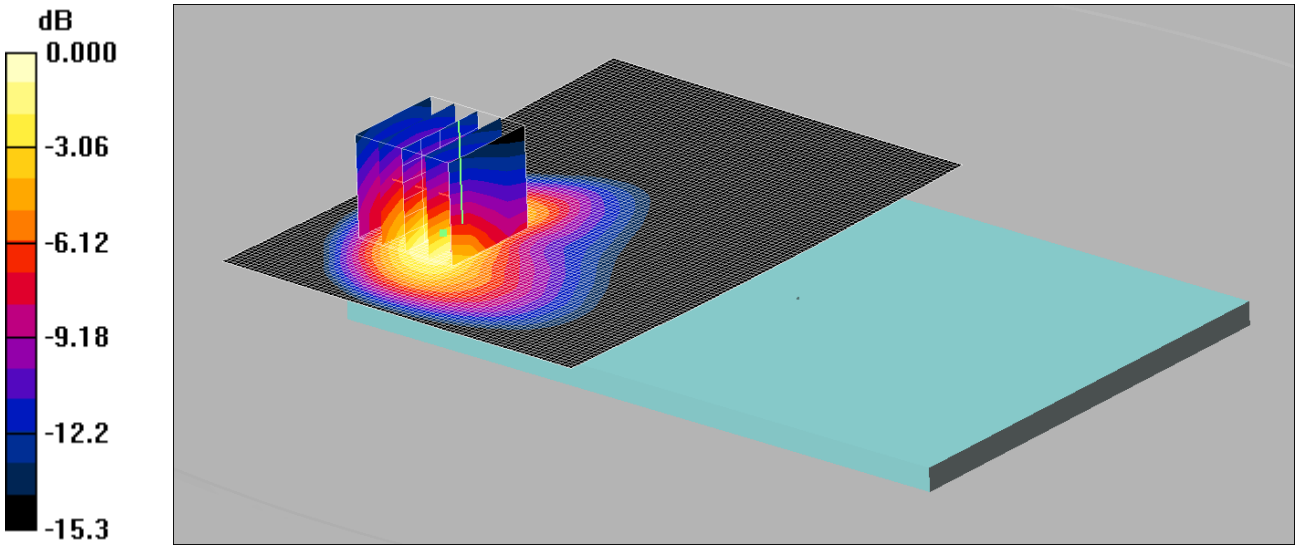
0 dB = 1.18mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.982 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - Middle/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.946 mW/g

Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.80 V/m; Power Drift = 0.049 dB
Peak SAR (extrapolated) = 2.02 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.522 mW/g
Maximum value of SAR (measured) = 1.18 mW/g

124: Back of EUT Facing Phantom LTE 5 1RB High CH20450
Date: 22/07/2014
DUT: A1600; Type: FCC ID: BCGA1600



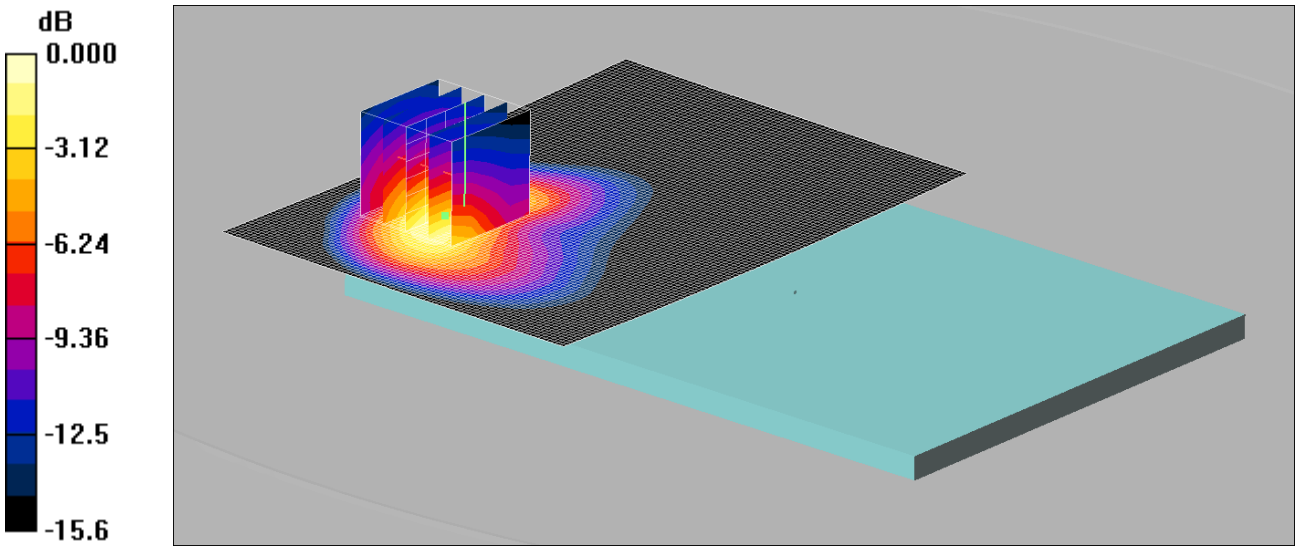
0 dB = 1.20mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 829 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 829 MHz; σ = 0.977 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - Low/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.972 mW/g

Back of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.78 V/m; Power Drift = 0.048 dB
Peak SAR (extrapolated) = 2.19 W/kg
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.548 mW/g
Maximum value of SAR (measured) = 1.20 mW/g

125: Back of EUT Facing Phantom LTE 5 1RB High CH20600
Date: 22/07/2014
DUT: A1600; Type: FCC ID: BCGA1600



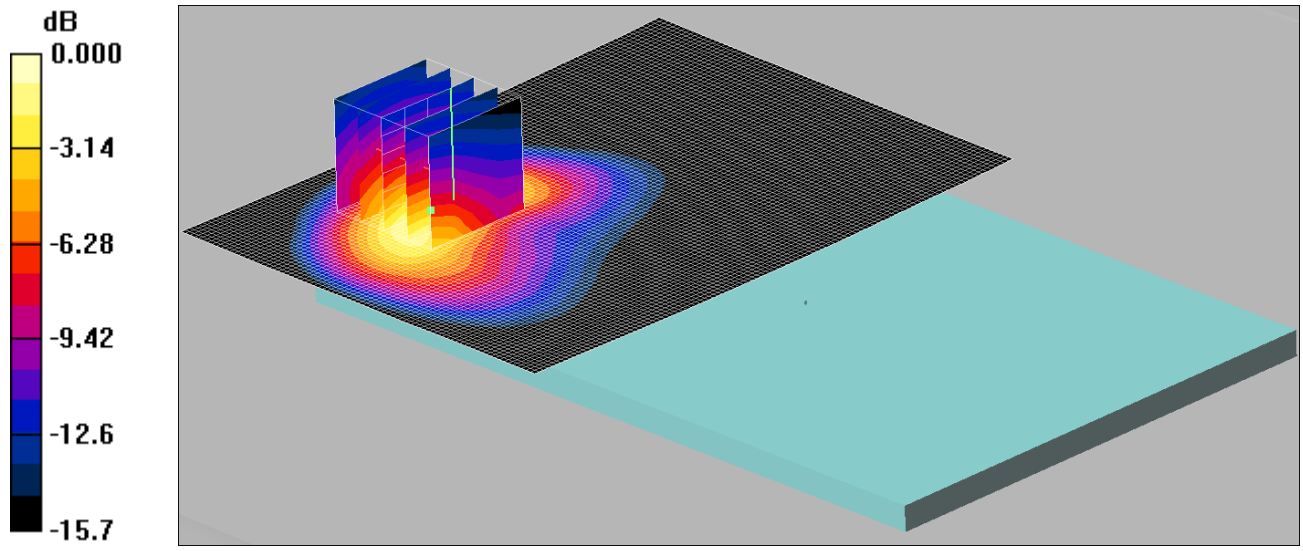
0 dB = 1.21mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 844 MHz; σ = 0.987 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - High/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.988 mW/g

Back of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.73 V/m; Power Drift = -0.057 dB
Peak SAR (extrapolated) = 2.12 W/kg
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.541 mW/g
Maximum value of SAR (measured) = 1.21 mW/g

126: Back of EUT Facing Phantom LTE 5 50%RB High CH20525
Date: 22/07/2014
DUT: A1600; Type: FCC ID: BCGA1600



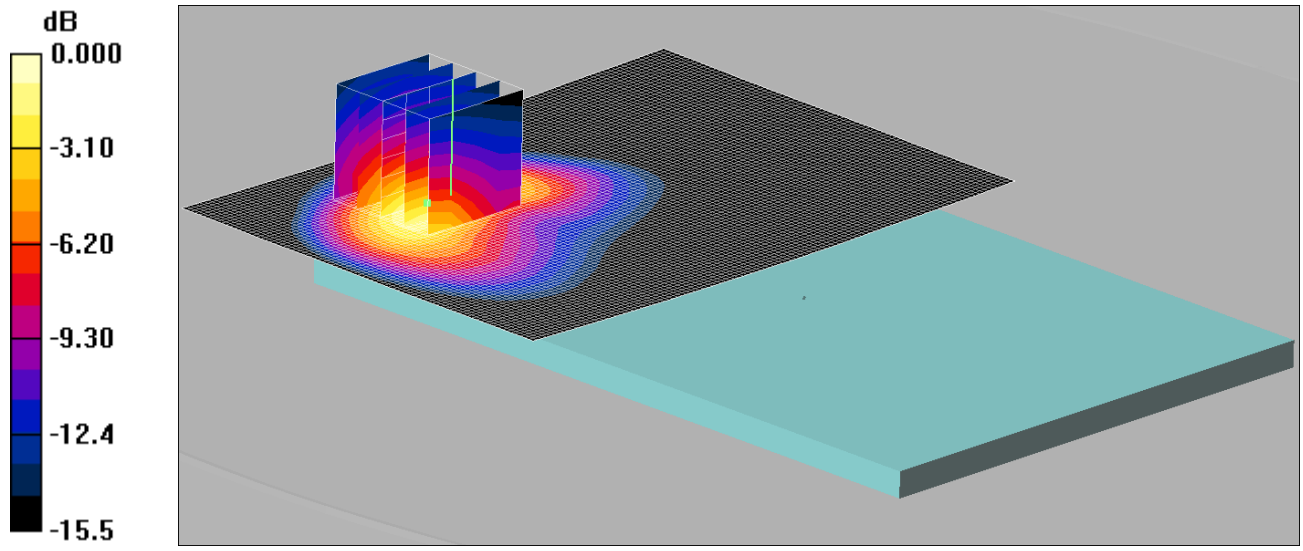
0 dB = 1.29mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.982 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - Middle/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.02 mW/g

Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.80 V/m; Power Drift = 0.013 dB
Peak SAR (extrapolated) = 2.31 W/kg
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.561 mW/g
Maximum value of SAR (measured) = 1.29 mW/g

127: Back of EUT Facing Phantom LTE 5 50%RB High CH20450
Date: 22/07/2014
DUT: A1600; Type: FCC ID: BCGA1600



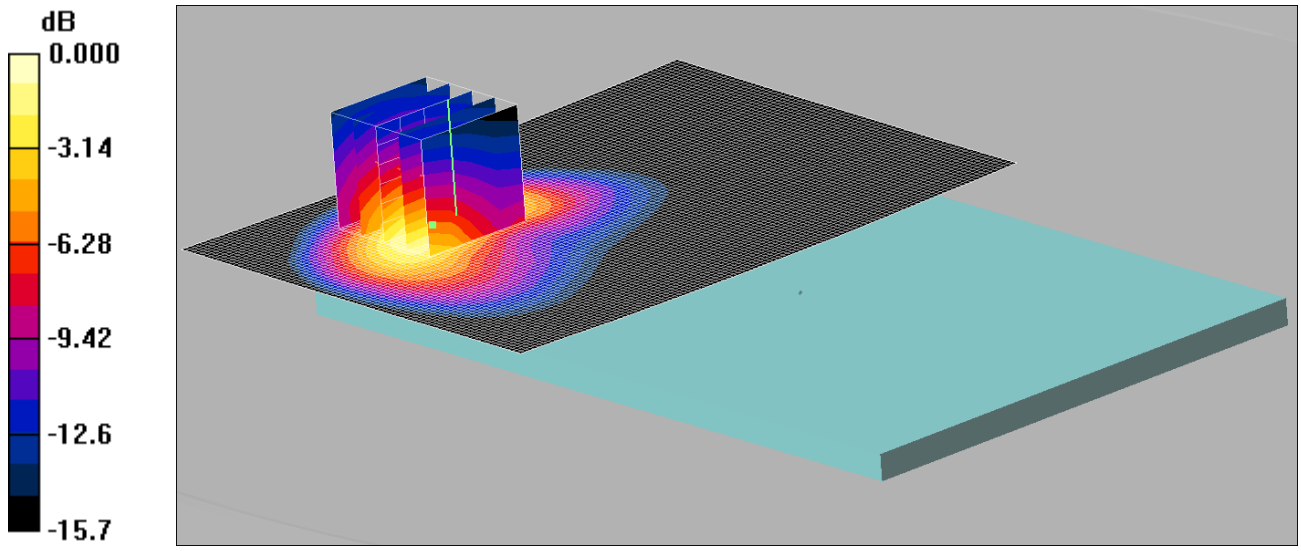
0 dB = 1.22mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 829 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 829 MHz; σ = 0.977 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - Low/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.970 mW/g

Back of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.84 V/m; Power Drift = -0.095 dB
Peak SAR (extrapolated) = 2.19 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.532 mW/g
Maximum value of SAR (measured) = 1.22 mW/g

128: Back of EUT Facing Phantom LTE 5 50%RB High CH20600
Date: 22/07/2014
DUT: A1600; Type: FCC ID: BCGA1600



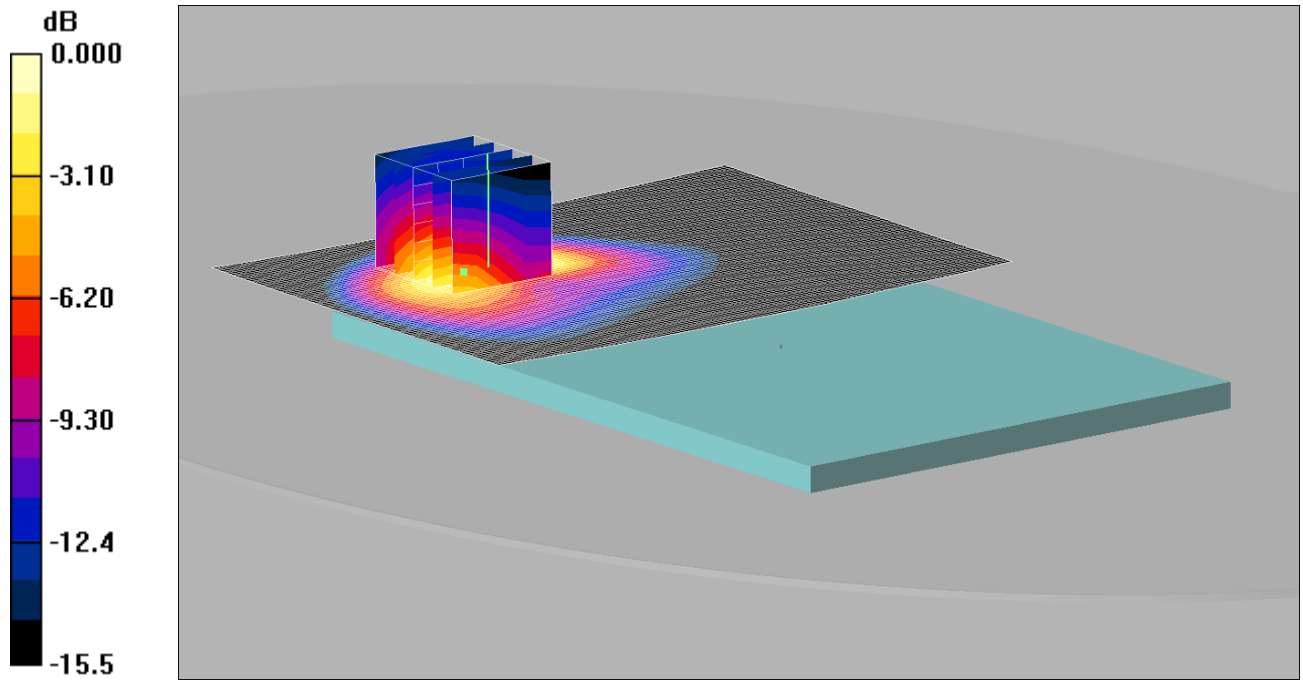
0 dB = 1.22mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 844 MHz; σ = 0.987 mho/m; ε_r = 56.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - High/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.978 mW/g

Back of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.72 V/m; Power Drift = 0.072 dB
Peak SAR (extrapolated) = 2.20 W/kg
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.540 mW/g
Maximum value of SAR (measured) = 1.22 mW/g

129: Back of EUT Facing Phantom LTE 5 100%RB High CH20525
Date: 24/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

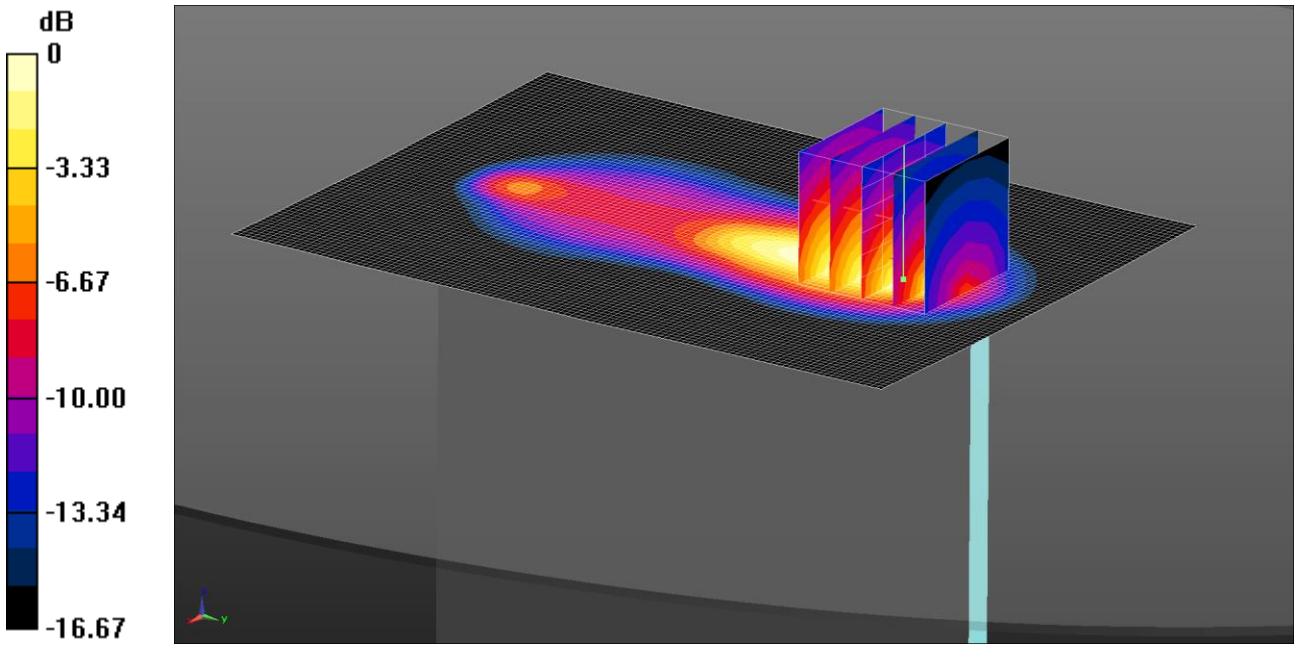


0 dB = 1.19mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.992 mho/m; ε_r = 54.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - Middle/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.941 mW/g
Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.7 V/m; Power Drift = -0.102 dB
Peak SAR (extrapolated) = 2.02 W/kg
SAR(1 g) = 0.975 mW/g; SAR(10 g) = 0.502 mW/g
Maximum value of SAR (measured) = 1.19 mW/g

130: Top of EUT Facing Phantom LTE 5 1RB High CH20525
Date: 22/07/2014
DUT: A1600; Type: FCC ID: BCGA1600



0 dB = 1.01 W/kg = 0.04 dBW/kg

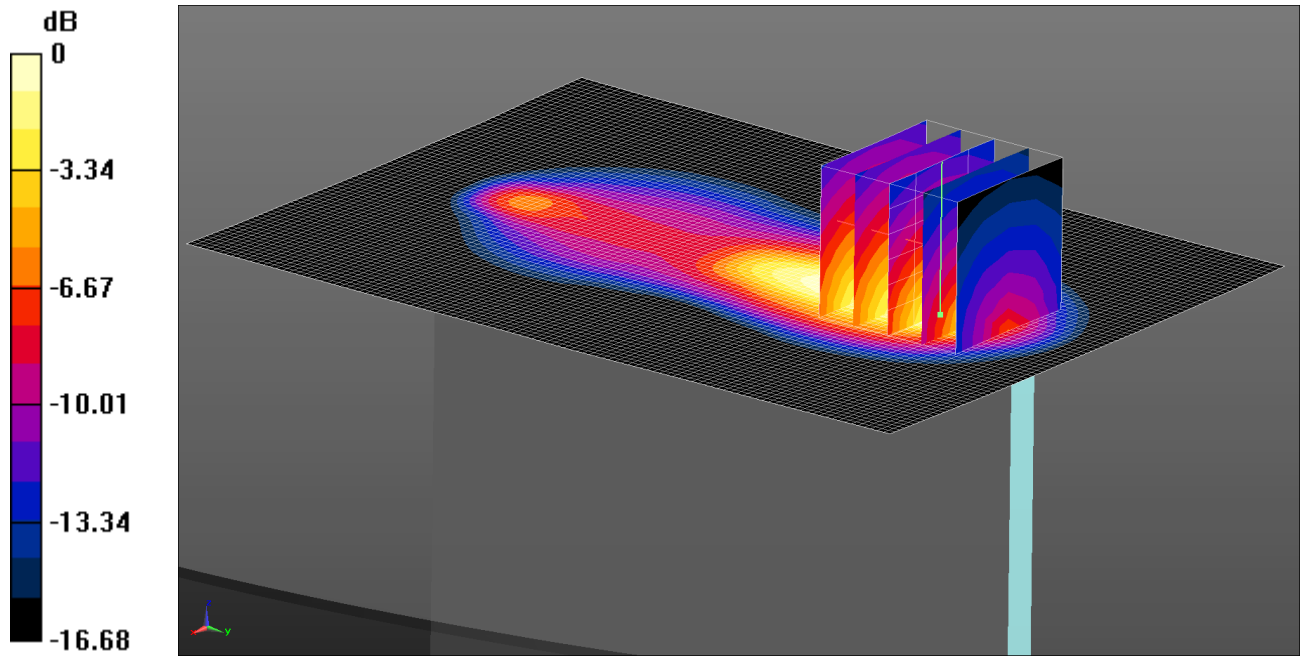
Communication System: UID 0 - n/a, LTE Band 5 / 10MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.982 S/m; ε_r = 56.613; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22); 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 14.6.9 (7117)

Configuration/Top of EUT Facing Phantom - Middle/Area Scan (81x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.21 W/kg

Configuration/Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.460 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.90 W/kg
SAR(1 g) = 0.821 W/kg; SAR(10 g) = 0.440 W/kg

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

131: Top of EUT Facing Phantom LTE 5 1RB High CH20450
Date: 22/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

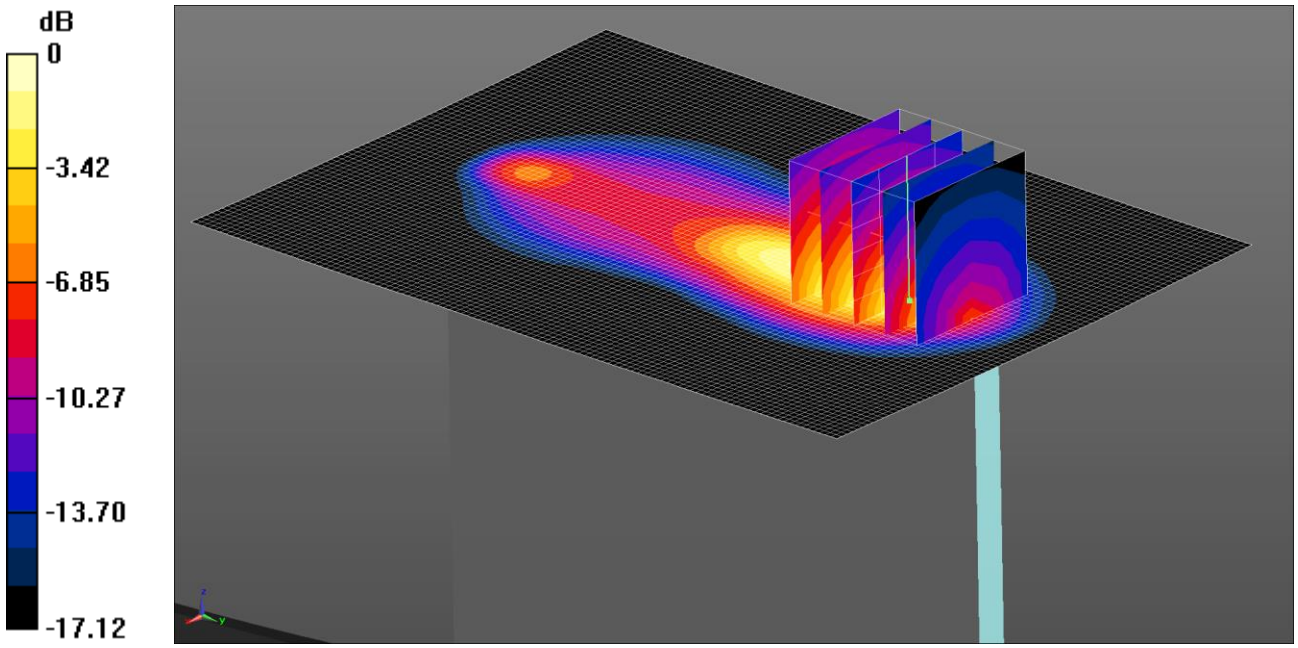


0 dB = 1.04 W/kg = 0.17 dBW/kg
Communication System: UID 0 - n/a, LTE Band 5 / 10MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.982 S/m; ε_r = 56.613; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22); 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 14.6.9 (7117)

Configuration/Top of EUT Facing Phantom - Low/Area Scan (81x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.26 W/kg
Configuration/Top of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.201 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.95 W/kg
SAR(1 g) = 0.849 W/kg; SAR(10 g) = 0.463 W/kg

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

132: Top of EUT Facing Phantom LTE 5 1RB High CH20600
Date: 22/07/2014
DUT: A1600; Type: FCC ID: BCGA1600



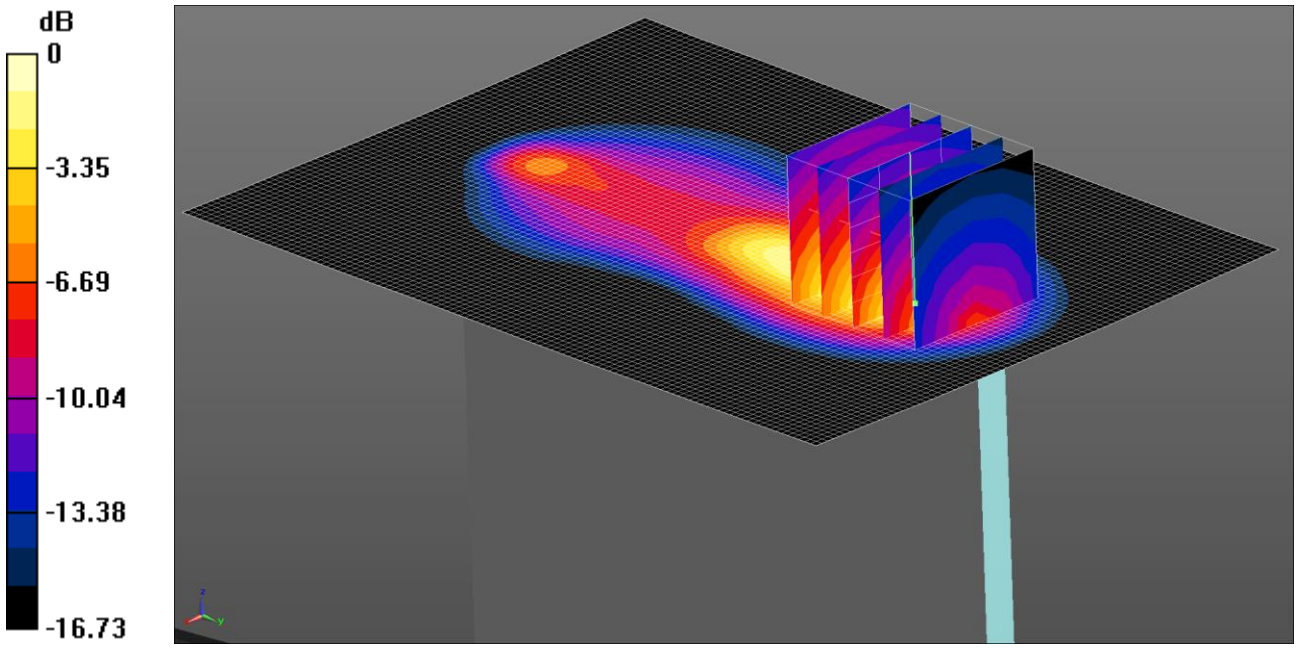
0 dB = 1.09 W/kg = 0.37 dBW/kg

Communication System: UID 0 - n/a, LTE Band 5 / 10MHz; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 844 MHz; σ = 0.987 S/m; ε_r = 56.591; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22); 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 14.6.9 (7117)

Configuration/Top of EUT Facing Phantom - High/Area Scan (81x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.25 W/kg

Configuration/Top of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.050 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 2.10 W/kg
SAR(1 g) = 0.879 W/kg; SAR(10 g) = 0.468 W/kg
Maximum value of SAR (measured) = 1.09 W/kg

133: Top of EUT Facing Phantom LTE 5 50%RB High CH20525
Date: 22/07/2014
DUT: A1600; Type: FCC ID: BCGA1600



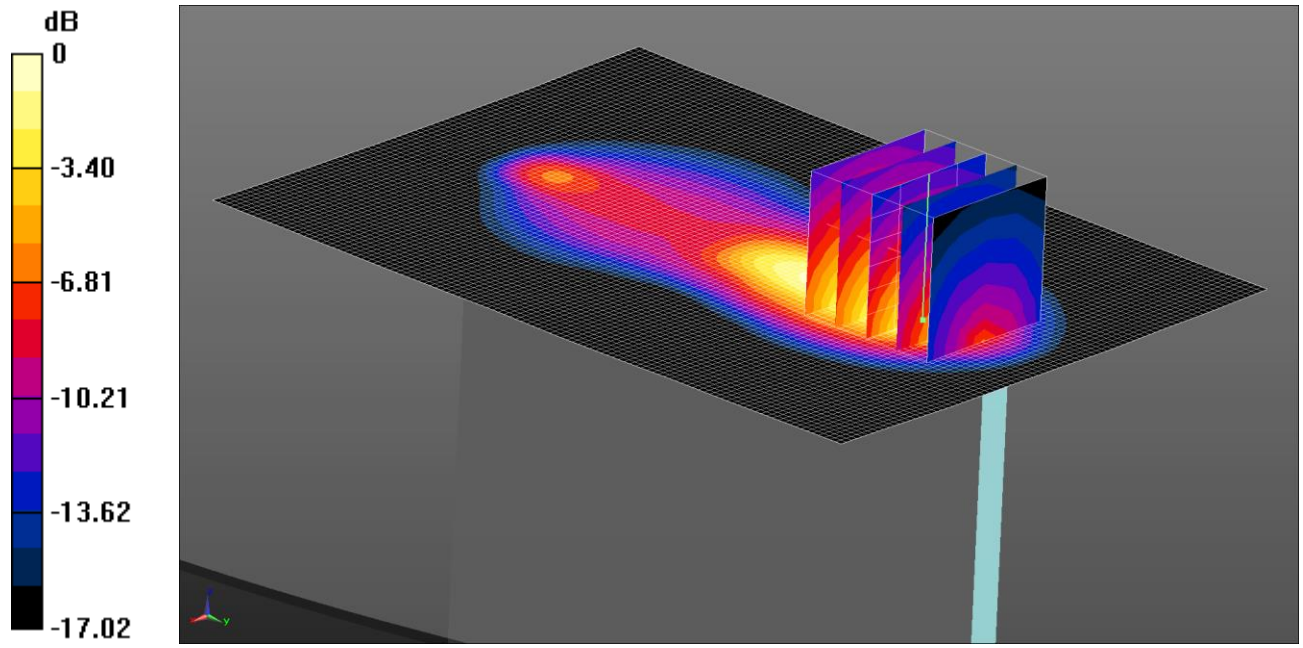
0 dB = 1.08 W/kg = 0.33 dBW/kg

Communication System: UID 0 - n/a, LTE Band 5 / 10MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.982 S/m; ε_r = 56.613; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22); 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 14.6.9 (7117)

Configuration/Top of EUT Facing Phantom - Middle/Area Scan (81x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.30 W/kg

Configuration/Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.757 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 2.00 W/kg
SAR(1 g) = 0.872 W/kg; SAR(10 g) = 0.470 W/kg
Maximum value of SAR (measured) = 1.08 W/kg

134: Top of EUT Facing Phantom LTE 5 50%RB High CH20450
Date: 22/07/2014
DUT: A1600; Type: FCC ID: BCGA1600



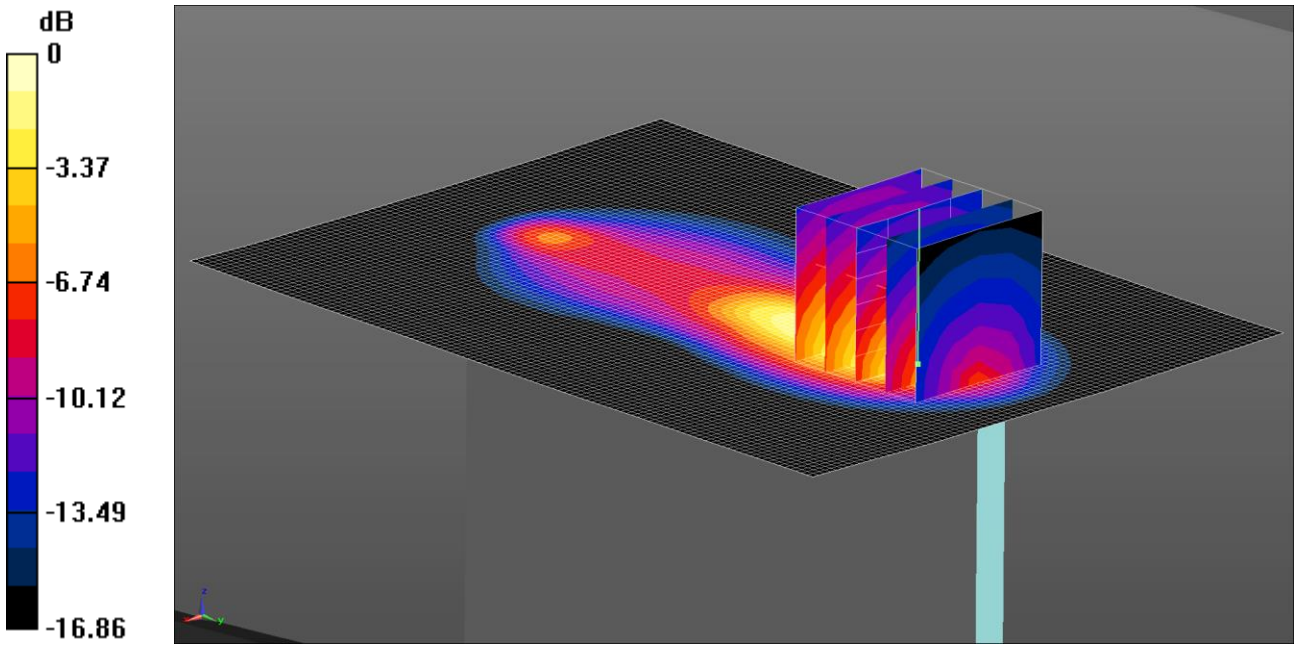
0 dB = 1.04 W/kg = 0.17 dBW/kg

Communication System: UID 0 - n/a, LTE Band 5 / 10MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.982 S/m; ε_r = 56.613; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22); 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 14.6.9 (7117)

Configuration/Top of EUT Facing Phantom - Low/Area Scan (81x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.20 W/kg

Configuration/Top of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.964 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 2.05 W/kg
SAR(1 g) = 0.840 W/kg; SAR(10 g) = 0.451 W/kg
Maximum value of SAR (measured) = 1.04 W/kg

135: Top of EUT Facing Phantom LTE 5 50%RB High CH20600
Date: 22/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

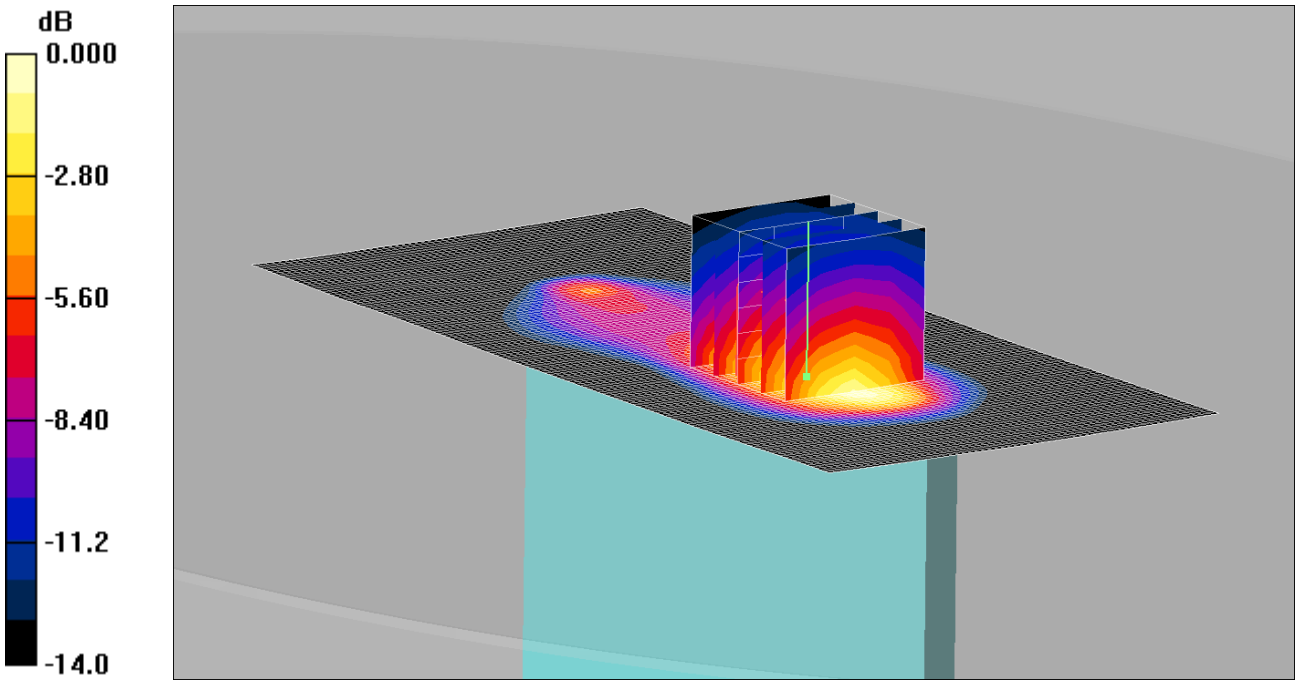


0 dB = 1.06 W/kg = 0.25 dBW/kg

Communication System: UID 0 - n/a, LTE Band 5 / 10MHz; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 844 MHz; σ = 0.987 S/m; ε_r = 56.591; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22); 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 14.6.9 (7117)

Configuration/Top of EUT Facing Phantom - High/Area Scan (81x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.28 W/kg
Configuration/Top of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.928 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.99 W/kg
SAR(1 g) = 0.860 W/kg; SAR(10 g) = 0.458 W/kg.
Maximum value of SAR (measured) = 1.06 W/kg

136: Top of EUT Facing Phantom LTE 5 100%RB High CH20525
Date: 24/07/2014
DUT: A1600; Type: FCC ID: BCGA1600

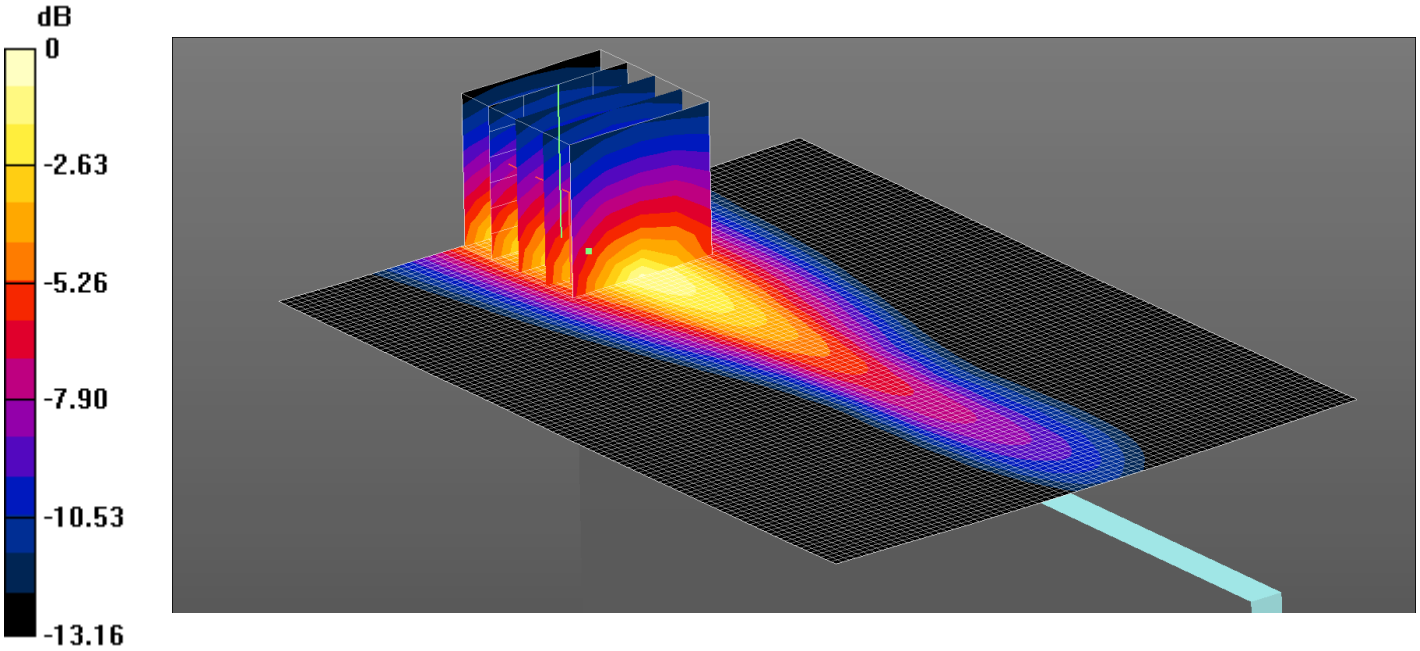


0 dB = 0.931mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.992 mho/m; ε_r = 54.2; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Top of EUT Facing Phantom - Middle/Area Scan (61x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.877 mW/g
Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.0 V/m; Power Drift = 0.004 dB
Peak SAR (extrapolated) = 1.43 W/kg
SAR(1 g) = 0.789 mW/g; SAR(10 g) = 0.433 mW/g
Maximum value of SAR (measured) = 0.931 mW/g

137: Right of EUT Facing Phantom LTE 5 1RB High CH20525
Date: 22/07/2014
DUT: A1600; Type: FCC ID: BCGA1600



0 dB = 0.157 W/kg = -8.04 dBW/kg

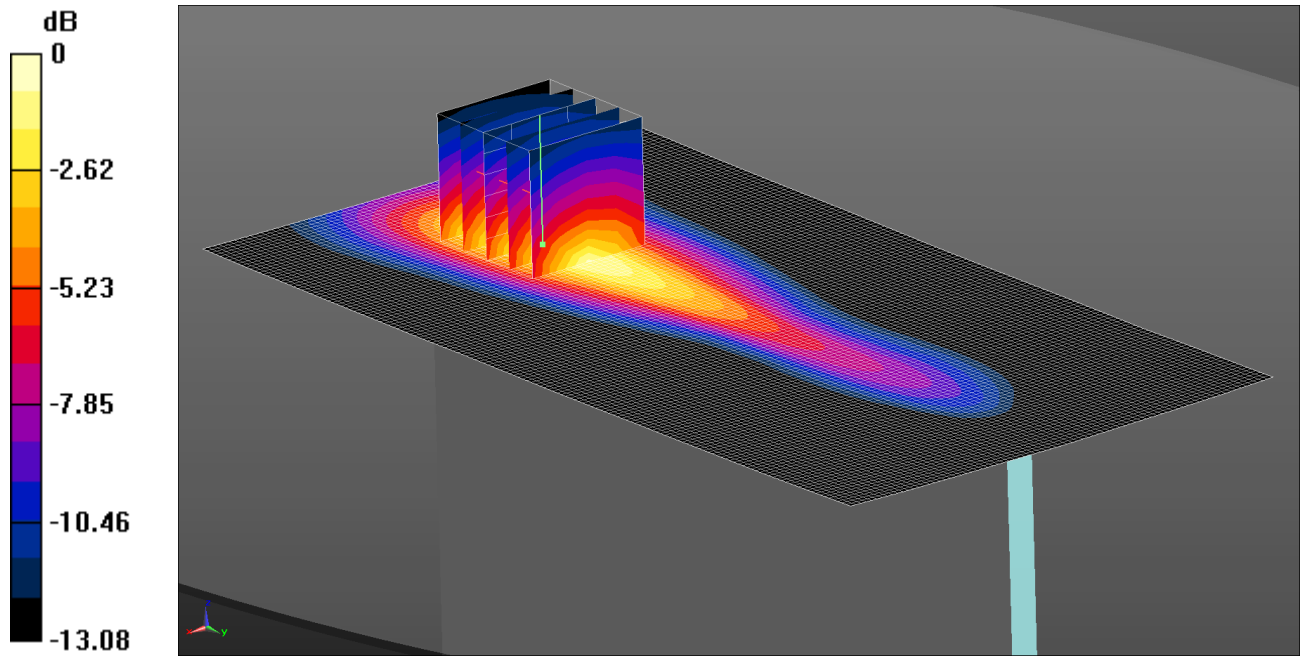
Communication System: UID 0 - n/a, LTE Band 5 / 10MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.982 S/m; ε_r = 56.613; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22); 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 14.6.9 (7117)

Configuration/Right of EUT Facing Phantom - Middle/Area Scan (81x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.138 W/kg

Configuration/Right of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.642 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.259 W/kg
SAR(1 g) = 0.132 W/kg; SAR(10 g) = 0.071 W/kg

Maximum value of SAR (measured) = 0.157 W/kg

138: Right of EUT Facing Phantom LTE 5 50%RB High CH20525
Datee: 22/07/2014
DUT: A1600; Type: FCC ID: BCGA1600



0 dB = 0.164 W/kg = -7.85 dBW/kg

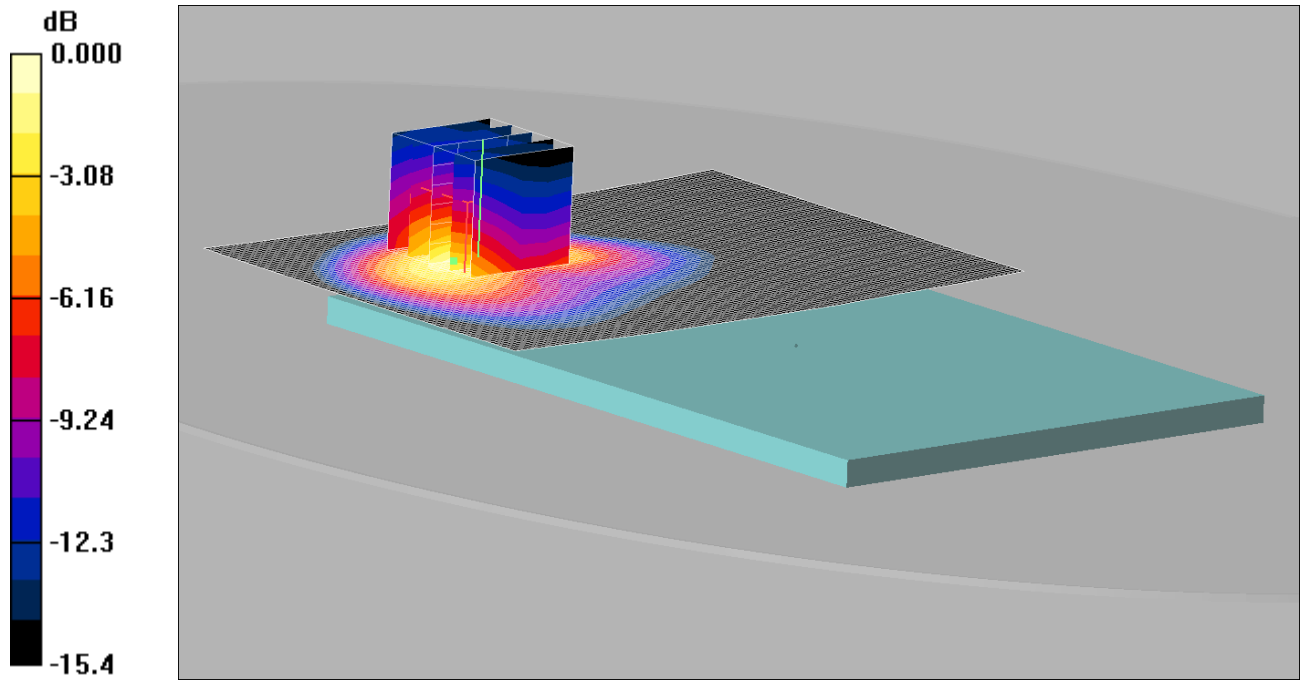
Communication System: UID 0 - n/a, LTE Band 5 / 10MHz; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.982 S/m; ε_r = 56.613; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22); 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 14.6.9 (7117)

Configuration/Right of EUT Facing Phantom - Middle/Area Scan (81x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.149 W/kg

Configuration/Right of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.728 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.271 W/kg
SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.075 W/kg
Maximum value of SAR (measured) = 0.164 W/kg

Note: SAR level measured is very low as equivalent to noise floor.

139: Back of EUT Facing Phantom LTE 13 1RB Low CH23230
Date: 24/07/2014
DUT: A1600; Type: FCC ID: BCGA1600



0 dB = 1.23mW/g

Communication System: LTE - Band 13 / 10MHz Channel; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: 750 MHz MSL Medium parameters used (interpolated): f = 782 MHz; σ = 0.957 mho/m; ε_r = 54.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY4 Configuration:
- Probe: ET3DV6 - SN1586; ConvF(6.32, 6.32, 6.32);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - Middle/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.867 mW/g
Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.7 V/m; Power Drift = 0.038 dB
Peak SAR (extrapolated) = 2.16 W/kg
SAR(1 g) = 0.999 mW/g; SAR(10 g) = 0.499 mW/g
Maximum value of SAR (measured) = 1.23 mW/g