

APPENDIX C PLOTS OF THE SAR MEASUREMENTS

Plots of the measured SAR distributions inside the phantom are given in this Appendix for all tested configurations.



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 1900 MHz 3G EN.da52:0

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Back 0mm Spacing 02-09-20**

Communication System: 0 - WCDMA - UMTS; Communication System Band: Band 2 1850 MHz; Frequency: 1908 MHz; Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=1907.6$ MHz; $\sigma = 1.43$ S/m; $\epsilon_r = 39.9$; $\rho = 1000.0\text{g/cm}^3$

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (5.16,5.16,5.16); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

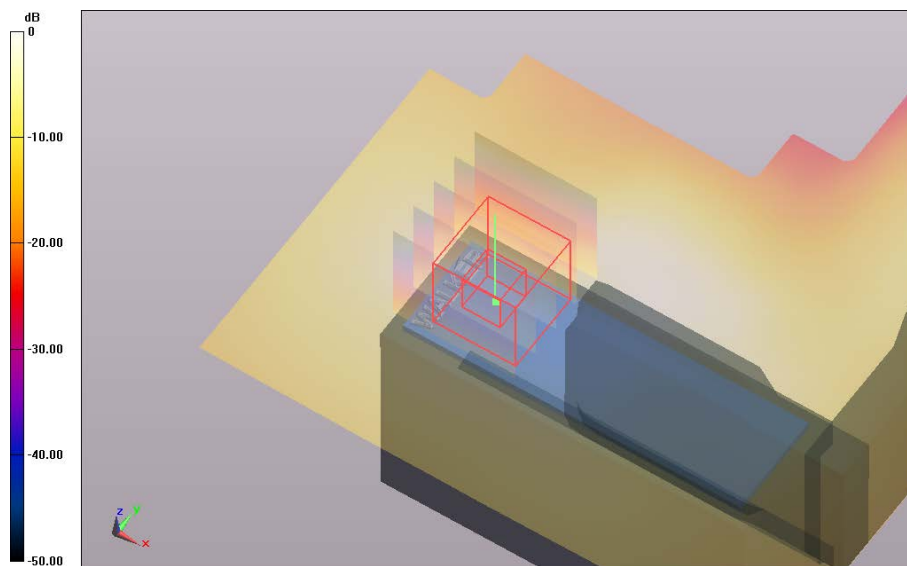
Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Back 0mm Spacing 02-09-20/Channel 9538 Test/Area Scan (101x151x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.565 W/kg**Back 0mm Spacing 02-09-20/Channel 9538 Test/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 17.915 V/m; **Power Drift = 0.09 dB****Averaged SAR: SAR(1g) = 0.497 W/kg; SAR(10g) = 0.256 W/kg**

Maximum value of SAR (interpolated) = 0.857 W/kg



0 dB = 0.565 W/kg = -2.48 dBW/kg

SAR Measurement Plot 1



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 1900 MHz 3G EN.da52:4

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Left 0mm Spacing 02-09-20**

Communication System: 0 - WCDMA - UMTS; Communication System Band: Band 2 1850 MHz; Frequency: 1908 MHz; Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=1907.6$ MHz; $\sigma = 1.43$ S/m; $\epsilon_r = 39.9$; $\rho = 1000.0\text{g/cm}^3$

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (5.16,5.16,5.16); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

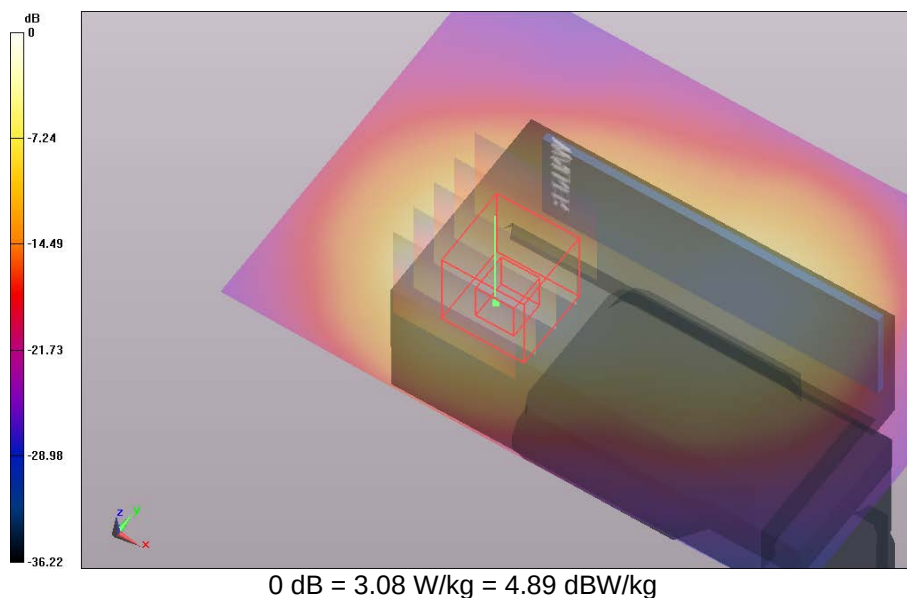
Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Left 0mm Spacing 02-09-20/Channel 9538 Test/Area Scan (101x71x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 3.080 W/kg**Left 0mm Spacing 02-09-20/Channel 9538 Test/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 37.137 V/m; **Power Drift = -0.07 dB****Averaged SAR: SAR(1g) = 2.610 W/kg; SAR(10g) = 1.370 W/kg**

Maximum value of SAR (interpolated) = 4.580 W/kg



SAR Measurement Plot 2



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 1900 MHz 3G EN.da52:6

DUT Name: Dipole 750 MHz, Type: D750V3, Serial: D750V3 - SN:1051**Configuration: System Check 02-09-20**Communication System: 0 - System Check; Communication System Band: 1950 MHz; Frequency: 1950 MHz,
Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00Medium Parameters used: $f=1950$ MHz; $\sigma = 1.46$ S/m; $\epsilon_r = 39.8$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (5.05,5.05,5.05); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection)

Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

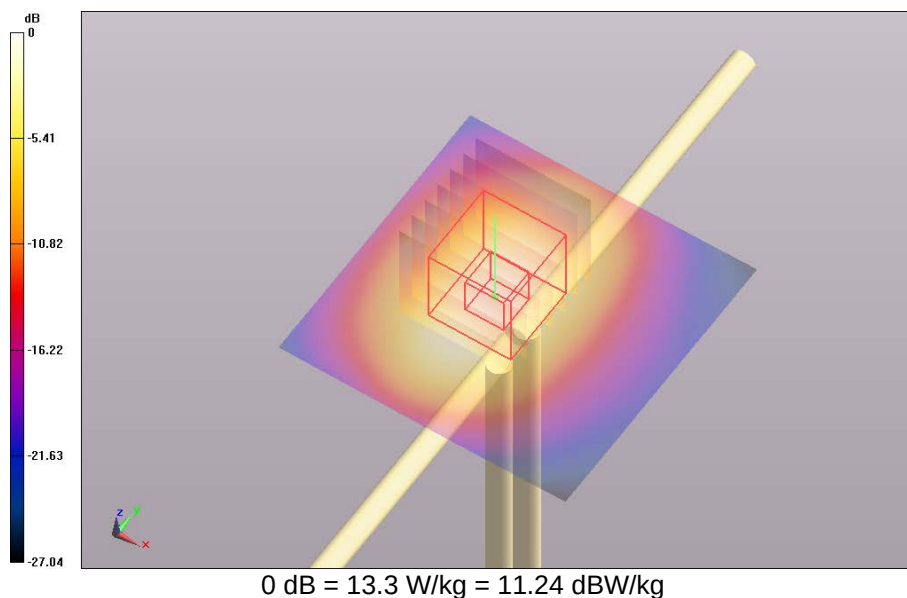
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

System Check 02-09-20/Channel 1 Test/Area Scan (51x51x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm;

Maximum value of SAR (interpolated) = 13.300 W/kg

System Check 02-09-20/Channel 1 Test/Zoom Scan (31x31x36)/Cube 0: Interpolated grid: dx=1.0 mm, dy=1.0 mm, dz=1.0 mm; Reference Value = 94.672 V/m; **Power Drift = 0.06 dB****Averaged SAR: SAR(1g) = 10.500 W/kg; SAR(10g) = 5.510 W/kg**

Maximum value of SAR (interpolated) = 17.600 W/kg



SAR Measurement Plot 3



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 1700 MHz 3G EN.da52:0

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Back 0mm Spacing 31-08-20**

Communication System: 0 - WCDMA - UMTS; Communication System Band: Band 4 1735 MHz; Frequency: 1712 MHz; Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=1712.5$ MHz; $\sigma = 1.33$ S/m; $\epsilon_r = 38.7$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (5.16,5.16,5.16); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

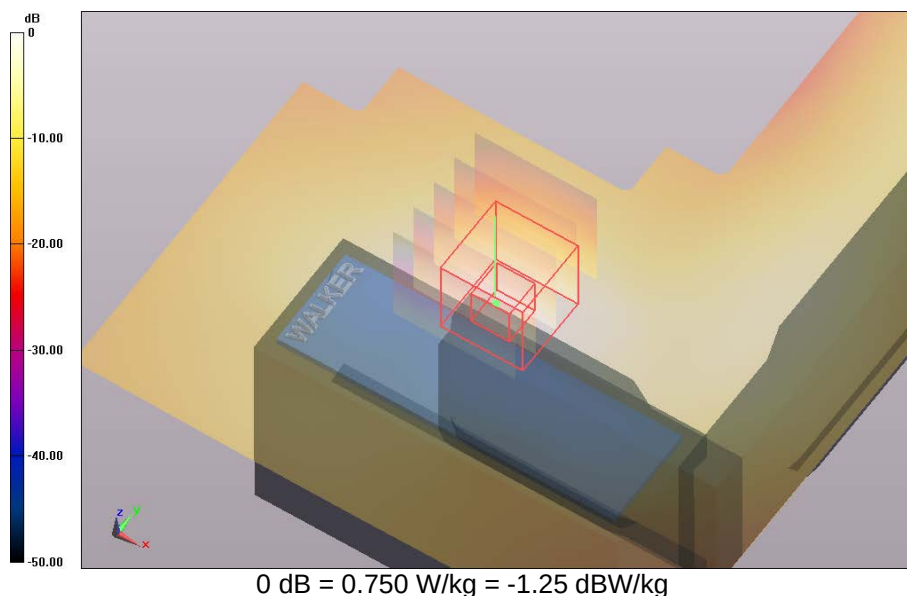
Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Back 0mm Spacing 31-08-20/Channel 1312 Test/Area Scan (101x151x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.750 W/kg**Back 0mm Spacing 31-08-20/Channel 1312 Test/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 16.927 V/m; **Power Drift = -0.08 dB****Averaged SAR: SAR(1g) = 0.688 W/kg; SAR(10g) = 0.392 W/kg**

Maximum value of SAR (interpolated) = 1.070 W/kg



SAR Measurement Plot 4



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 1700 MHz 3G EN.da52:4

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Left 0mm Spacing 31-08-20**

Communication System: 0 - WCDMA - UMTS; Communication System Band: Band 4 1735 MHz; Frequency: 1735 MHz; Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=1735.5$ MHz; $\sigma = 1.34$ S/m; $\epsilon_r = 38.7$; $\rho = 1000.0\text{g/cm}^3$

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (5.16,5.16,5.16); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

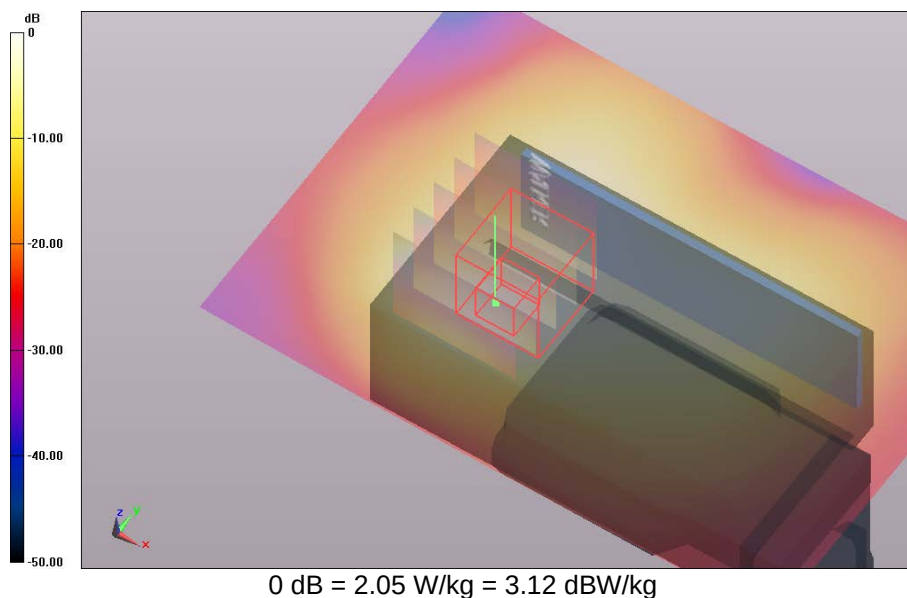
Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Left 0mm Spacing 31-08-20/Channel 1427 Test/Area Scan (101x71x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 2.050 W/kg**Left 0mm Spacing 31-08-20/Channel 1427 Test/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 26.654 V/m; **Power Drift = -0.11 dB****Averaged SAR: SAR(1g) = 1.790 W/kg; SAR(10g) = 0.987 W/kg**

Maximum value of SAR (interpolated) = 3.010 W/kg



SAR Measurement Plot 5



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 1700 MHz 3G EN.da52:6

DUT Name: Dipole 1800 MHz, Type: DV1800V2, Serial: 242**Configuration: System Check 31-08-20**Communication System: 0 - System Check; Communication System Band: 1800 MHz; Frequency: 1800 MHz,
Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00Medium Parameters used: $f=1800$ MHz; $\sigma = 1.39$ S/m; $\epsilon_r = 38.4$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (5.16,5.16,5.16); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection)

Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

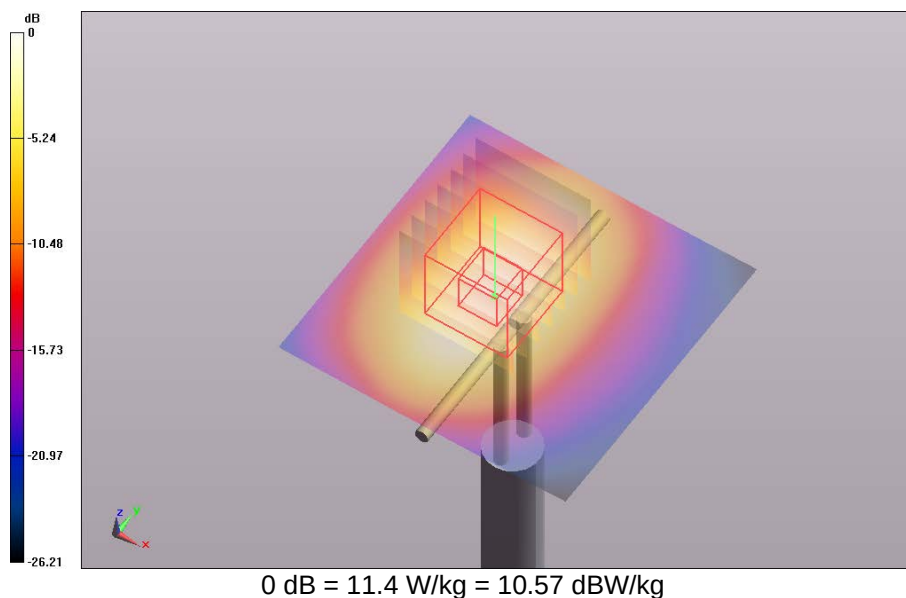
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

System Check 31-08-20/Channel 1 Test/Area Scan (51x51x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm;

Maximum value of SAR (interpolated) = 11.400 W/kg

System Check 31-08-20/Channel 1 Test/Zoom Scan (31x31x36)/Cube 0: Interpolated grid: dx=1.0 mm, dy=1.0 mm, dz=1.0 mm; Reference Value = 90.099 V/m; **Power Drift = 0.03 dB****Averaged SAR: SAR(1g) = 9.290 W/kg; SAR(10g) = 5.050 W/kg**

Maximum value of SAR (interpolated) = 15.200 W/kg



SAR Measurement Plot 6



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 850 MHz 3G EN.da52:0

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Back 0mm Spacing 18-08-20**

Communication System: 0 - WCDMA - UMTS; Communication System Band: Band 5 850 MHz; Frequency: 836.6 MHz; Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=836.6$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 40.6$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.09,6.09,6.09); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

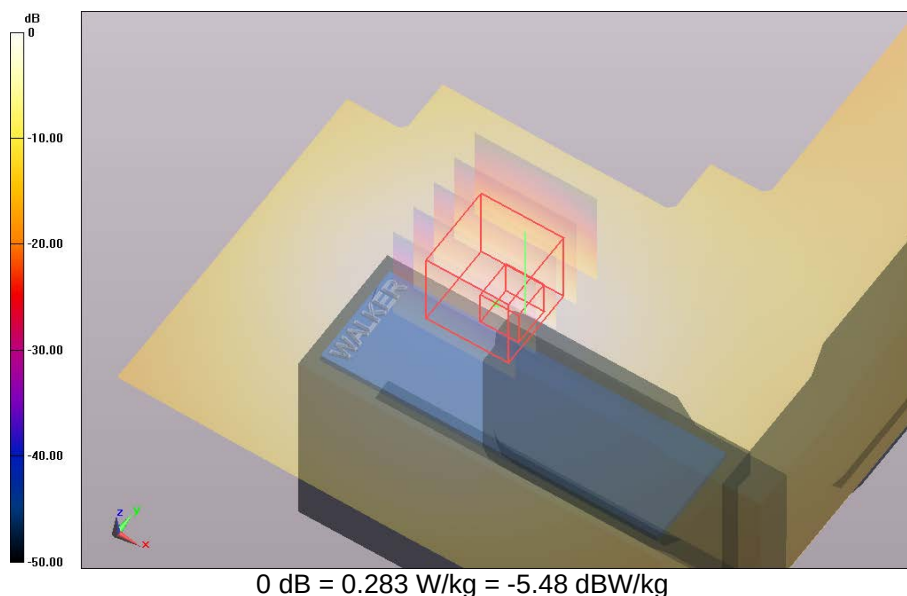
Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Back 0mm Spacing 18-08-20/Channel 4183 Test/Area Scan (101x151x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 0.283 W/kg**Back 0mm Spacing 18-08-20/Channel 4183 Test/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 16.256 V/m; **Power Drift = 0.02 dB****Averaged SAR: SAR(1g) = 0.260 W/kg; SAR(10g) = 0.176 W/kg**

Maximum value of SAR (interpolated) = 0.380 W/kg



SAR Measurement Plot 7



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 850 MHz 3G EN.da52:4

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Left 0mm Spacing 18-08-20**

Communication System: 0 - WCDMA - UMTS; Communication System Band: Band 5 850 MHz; Frequency: 836.6 MHz; Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=836.6$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 40.6$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.09,6.09,6.09); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

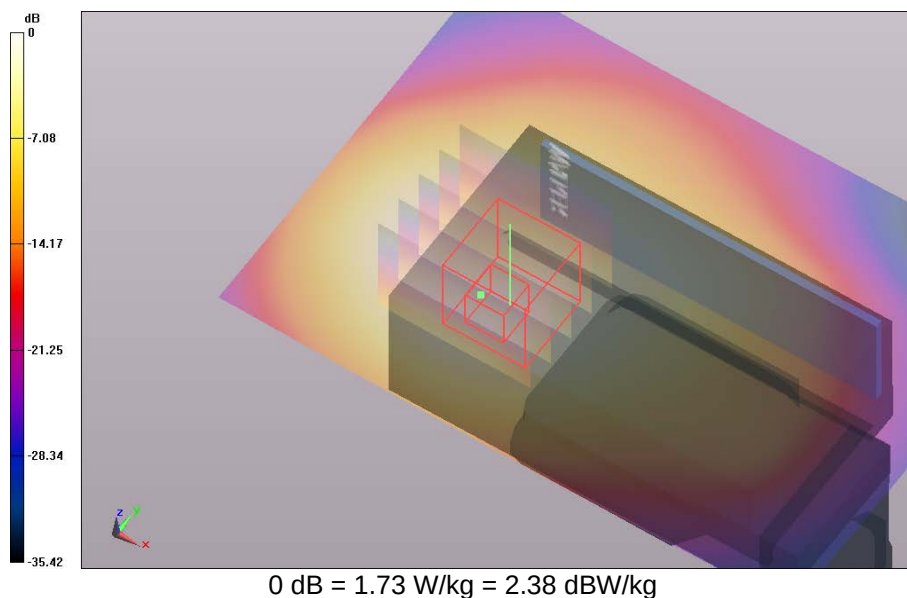
Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Left 0mm Spacing 18-08-20/Channel 4183 Test/Area Scan (101x71x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 1.730 W/kg**Left 0mm Spacing 18-08-20/Channel 4183 Test/Zoom Scan (26x21x36)/Cube 0:** Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 35.161 V/m; **Power Drift = 0.03 dB****Averaged SAR: SAR(1g) = 1.600 W/kg; SAR(10g) = 0.914 W/kg**

Maximum value of SAR (interpolated) = 2.750 W/kg



SAR Measurement Plot 8



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 850 MHz 3G EN.da52:6

DUT Name: Dipole 750 MHz, Type: D750V3, Serial: D750V3 - SN:1051**Configuration: System Check 18-08-20**

Communication System: 0 - System Check; Communication System Band: 900 MHz; Frequency: 900.0 MHz,

Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=900$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 39.8$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.09,6.09,6.09); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection)

Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

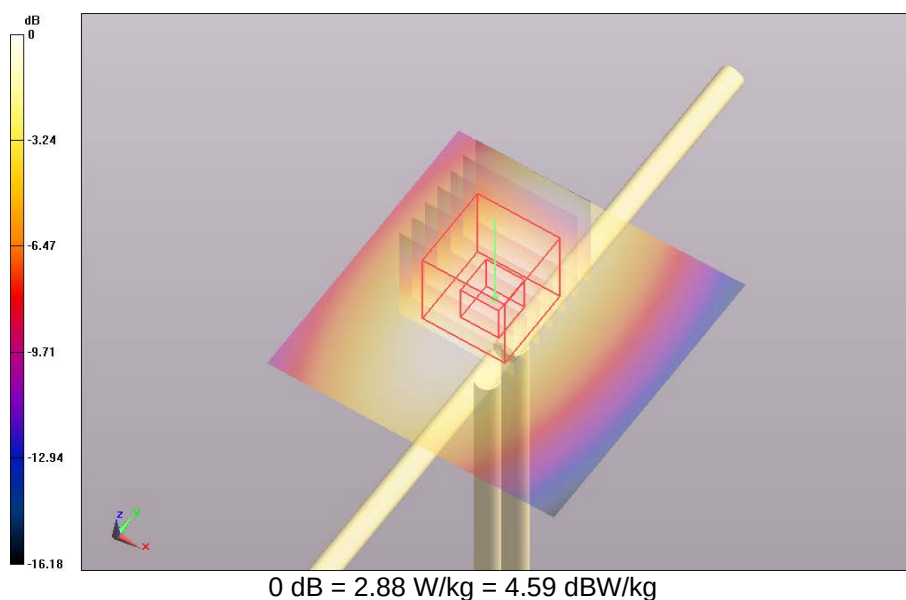
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

System Check 18-08-20/Channel 1 Test/Area Scan (51x51x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm;

Maximum value of SAR (interpolated) = 2.880 W/kg

System Check 18-08-20/Channel 1 Test/Zoom Scan (31x31x36)/Cube 0: Interpolated grid: dx=1.0 mm, dy=1.0 mm, dz=1.0 mm; Reference Value = 57.657 V/m; **Power Drift = 0.06 dB****Averaged SAR: SAR(1g) = 2.680 W/kg; SAR(10g) = 1.740 W/kg**

Maximum value of SAR (interpolated) = 3.840 W/kg



SAR Measurement Plot 9



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 1900 MHz LTE EN.da52:1

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Back 0mm Spacing 50 RB 01-09-20**

Communication System: 0 - LTE FDD 20MHz QPSK (50RB High); Communication System Band: Bnad 2 E-UTRA 1900; Frequency: 1900 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: $f=1900$ MHz; $\sigma = 1.42$ S/m; $\epsilon_r = 39.2$; $\rho = 1000.0$ g/cm³
Phantom section: Flat Section

DASY Configuration:

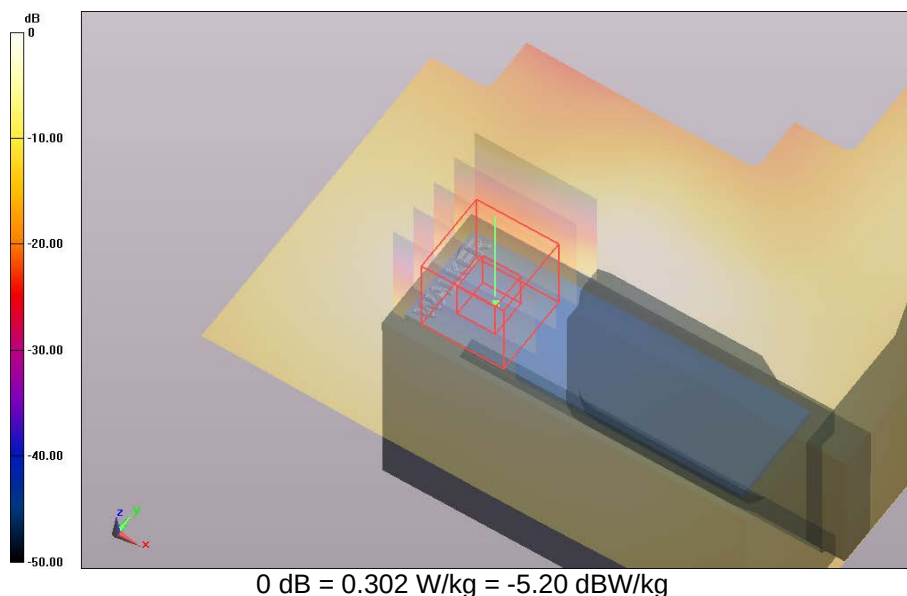
Probe: ET3DV6 - SN1380; ConvF: (5.16,5.16,5.16); Calibrated: 9/12/2019;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 6/12/2019
Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Back 0mm Spacing 50 RB 01-09-20/Channel 19100 Test/Area Scan (101x151x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 0.302 W/kg

Back 0mm Spacing 50 RB 01-09-20/Channel 19100 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 12.793 V/m; **Power Drift = 0.01 dB**

Averaged SAR: SAR(1g) = 0.262 W/kg; SAR(10g) = 0.139 W/kg

Maximum value of SAR (interpolated) = 0.445 W/kg



SAR Measurement Plot 10



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 1900 MHz LTE EN.da52:9

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Left 0mm Spacing 50 RB 01-09-20**

Communication System: 0 - LTE FDD 20MHz QPSK (50RB High); Communication System Band: Bnad 2 E-UTRA 1900; Frequency: 1900 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: $f=1900$ MHz; $\sigma = 1.42$ S/m; $\epsilon_r = 39.2$; $\rho = 1000.0$ g/cm³
Phantom section: Flat Section

DASY Configuration:

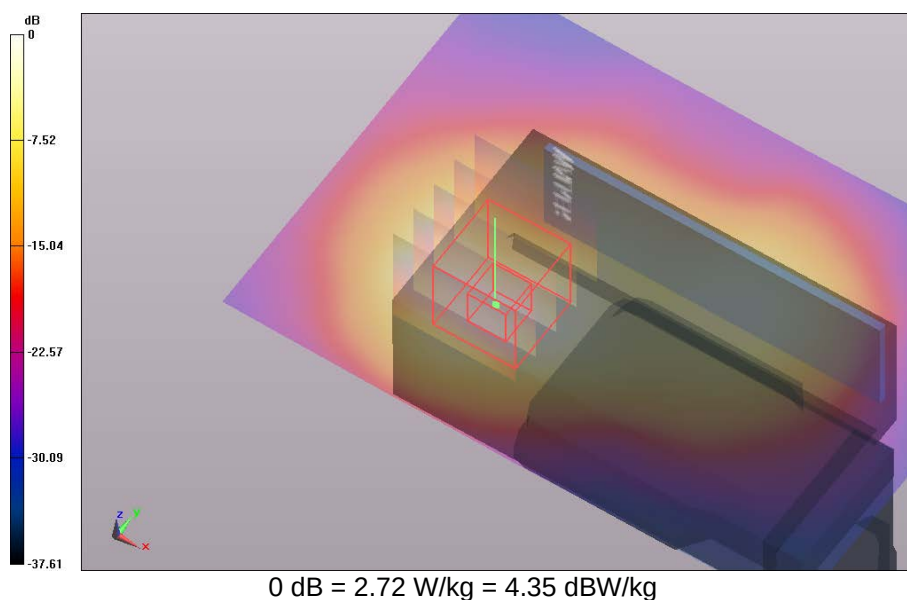
Probe: ET3DV6 - SN1380; ConvF: (5.16,5.16,5.16); Calibrated: 9/12/2019;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 6/12/2019
Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Left 0mm Spacing 50 RB 01-09-20/Channel 19100 Test/Area Scan (101x71x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 2.720 W/kg

Left 0mm Spacing 50 RB 01-09-20/Channel 19100 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 33.908 V/m; **Power Drift = 0.02 dB**

Averaged SAR: SAR(1g) = 2.290 W/kg; SAR(10g) = 1.150 W/kg

Maximum value of SAR (interpolated) = 4.240 W/kg



SAR Measurement Plot 11



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 1900 MHz LTE EN.da52:12

DUT Name: Dipole 750 MHz, Type: D750V3, Serial: D750V3 - SN:1051**Configuration: System Check 01-09-20**

Communication System: 0 - System Check; Communication System Band: 1950 MHz; Frequency: 1950 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=1950$ MHz; $\sigma = 1.45$ S/m; $\epsilon_r = 39.1$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (5.05,5.05,5.05); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection)

Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

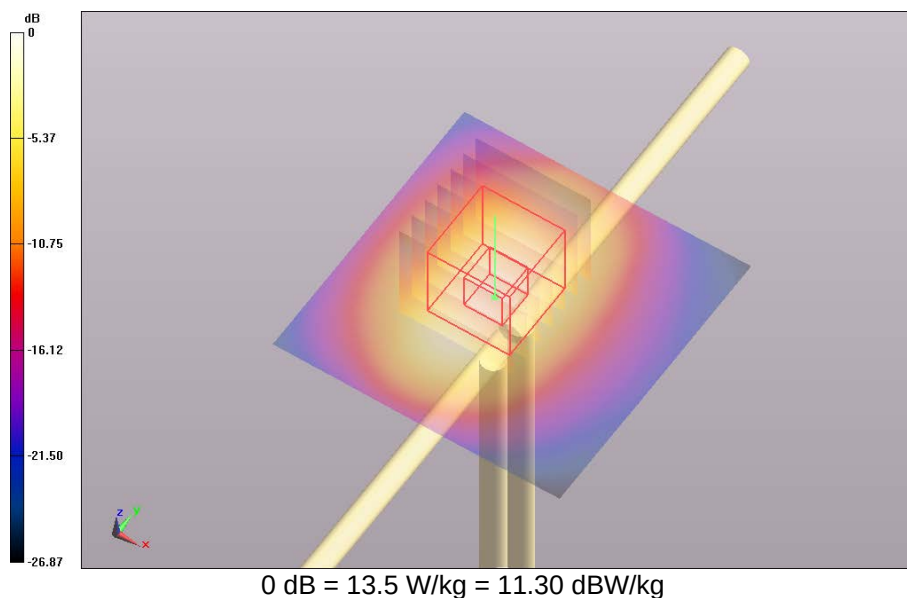
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

System Check 01-09-20/Channel 1 Test/Area Scan (51x51x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm;

Maximum value of SAR (interpolated) = 13.500 W/kg

System Check 01-09-20/Channel 1 Test/Zoom Scan (31x31x36)/Cube 0: Interpolated grid: dx=1.0 mm, dy=1.0 mm, dz=1.0 mm; Reference Value = 96.166 V/m; **Power Drift = -0.02 dB****Averaged SAR: SAR(1g) = 10.500 W/kg; SAR(10g) = 5.540 W/kg**

Maximum value of SAR (interpolated) = 17.900 W/kg



SAR Measurement Plot 12



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 1700 MHz LTE EN.da52:0

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Back 0mm Spacing 1 RB 27-08-20**

Communication System: 0 - LTE FDD 20MHz QPSK (1RB Low); Communication System Band: Band 4 E-UTRA 1700; Frequency: 1720 MHz, Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00
Medium Parameters used: $f=1720$ MHz; $\sigma = 1.33$ S/m; $\epsilon_r = 39.2$; $\rho = 1000.0$ g/cm³
Phantom section: Flat Section

DASY Configuration:

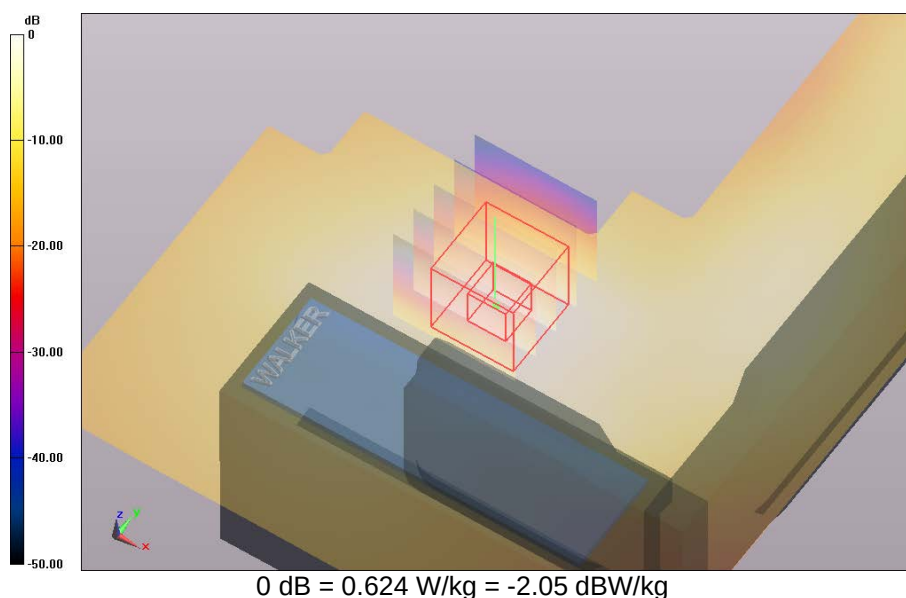
Probe: ET3DV6 - SN1380; ConvF: (5.16,5.16,5.16); Calibrated: 9/12/2019;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 6/12/2019
Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Back 0mm Spacing 1 RB 27-08-20/Channel 20050 Test/Area Scan (101x151x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.624 W/kg

Back 0mm Spacing 1 RB 27-08-20/Channel 20050 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 7.140 V/m; **Power Drift = 0.09 dB**

Averaged SAR: SAR(1g) = 0.540 W/kg; SAR(10g) = 0.311 W/kg

Maximum value of SAR (interpolated) = 0.830 W/kg



SAR Measurement Plot 13



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 1700 MHz LTE EN.da52:8

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Left 0mm Spacing 1 RB 27-08-20**

Communication System: 0 - LTE FDD 20MHz QPSK (1RB Mid); Communication System Band: Band 4 E-UTRA 1700; Frequency: 1733 MHz, Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=1732.5$ MHz; $\sigma = 1.34$ S/m; $\epsilon_r = 39.1$; $\rho = 1000.0\text{g/cm}^3$

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (5.16,5.16,5.16); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

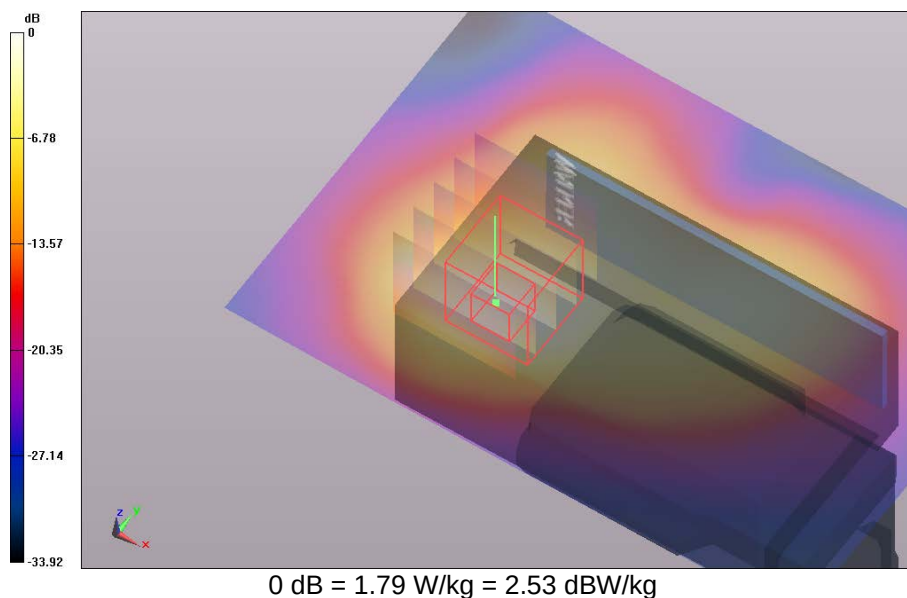
Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Left 0mm Spacing 1 RB 27-08-20/Channel 20175 Test/Area Scan (101x71x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 1.790 W/kg**Left 0mm Spacing 1 RB 27-08-20/Channel 20175 Test/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 26.398 V/m; **Power Drift = 0.03 dB****Averaged SAR: SAR(1g) = 1.520 W/kg; SAR(10g) = 0.803 W/kg**

Maximum value of SAR (interpolated) = 2.540 W/kg



SAR Measurement Plot 14



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 1700 MHz LTE EN.da52:12

DUT Name: Dipole 1800 MHz, Type: DV1800V2, Serial: 242**Configuration: System Check 27-08-20**

Communication System: 0 - System Check; Communication System Band: 1800 MHz; Frequency: 1800 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=1800$ MHz; $\sigma = 1.38$ S/m; $\epsilon_r = 38.9$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (5.16,5.16,5.16); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection)

Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

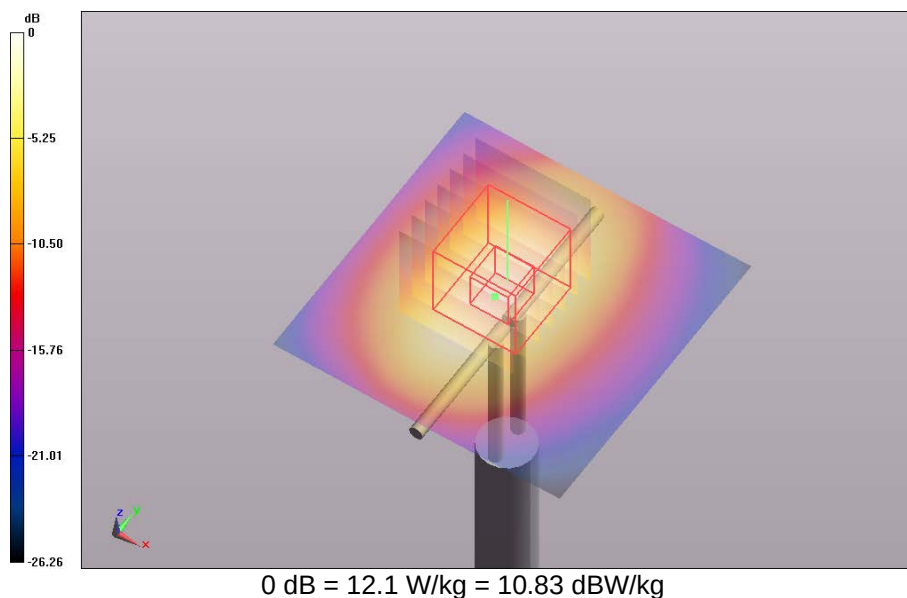
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

System Check 27-08-20/Channel 1 Test/Area Scan (51x51x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm;

Maximum value of SAR (interpolated) = 12.100 W/kg

System Check 27-08-20/Channel 1 Test/Zoom Scan (31x31x36)/Cube 0: Interpolated grid: dx=1.0 mm, dy=1.0 mm, dz=1.0 mm; Reference Value = 95.046 V/m; **Power Drift = -0.00 dB****Averaged SAR: SAR(1g) = 9.540 W/kg; SAR(10g) = 5.170 W/kg**

Maximum value of SAR (interpolated) = 15.600 W/kg



SAR Measurement Plot 15



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 850 MHz LTE EN.da52:0

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Back 0mm Spacing 1 RB 17-08-20**

Communication System: 0 - LTE FDD 10MHz QPSK (1RB Mid); Communication System Band: Band 5 E-UTRA 835; Frequency: 836.5 MHz; Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00
Medium Parameters used: $f=836.5$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 40.8$; $\rho = 1000.0$ g/cm³
Phantom section: Flat Section

DASY Configuration:

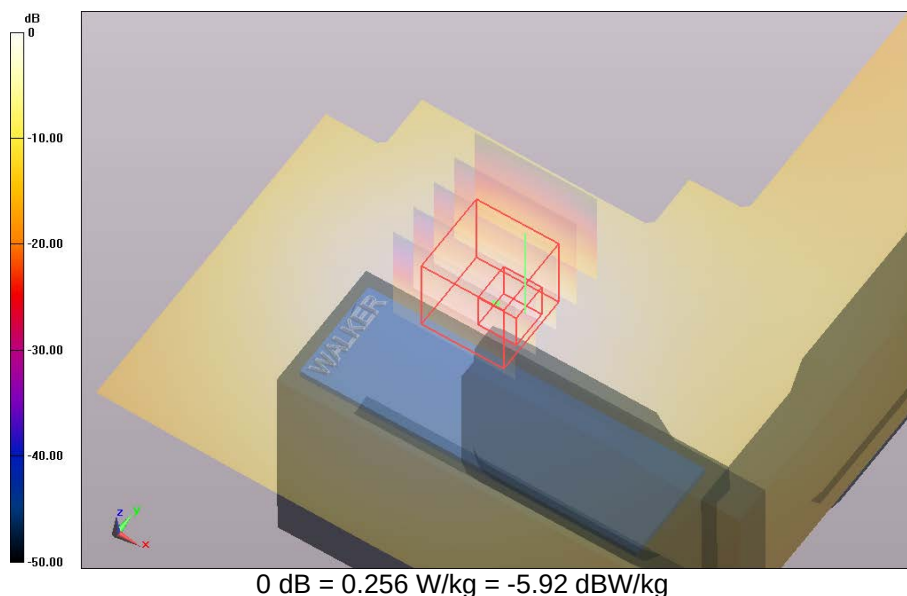
Probe: ET3DV6 - SN1380; ConvF: (6.09,6.09,6.09); Calibrated: 9/12/2019;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 6/12/2019
Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Back 0mm Spacing 1 RB 17-08-20/Channel 20525 Test/Area Scan (101x151x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 0.256 W/kg

Back 0mm Spacing 1 RB 17-08-20/Channel 20525 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 14.971 V/m; **Power Drift = -0.09 dB**

Averaged SAR: SAR(1g) = 0.235 W/kg; SAR(10g) = 0.161 W/kg

Maximum value of SAR (interpolated) = 0.333 W/kg



SAR Measurement Plot 16



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 850 MHz LTE EN.da52:8

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Left 0mm Spacing 1 RB 17-08-20**

Communication System: 0 - LTE FDD 10MHz QPSK (1RB Mid); Communication System Band: Band 5 E-UTRA 835; Frequency: 836.5 MHz, Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00
Medium Parameters used: $f=836.5$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 40.8$; $\rho = 1000.0$ g/cm³
Phantom section: Flat Section

DASY Configuration:

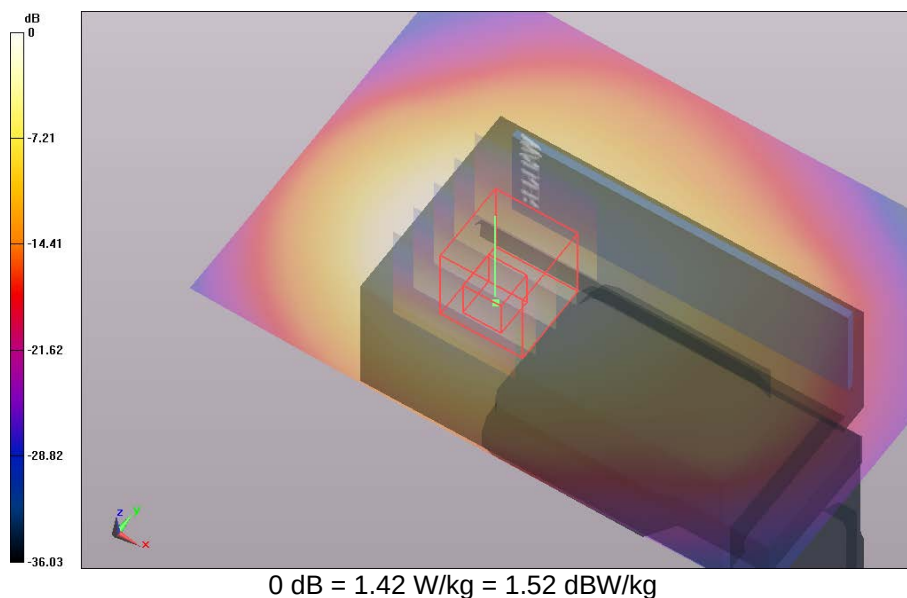
Probe: ET3DV6 - SN1380; ConvF: (6.09,6.09,6.09); Calibrated: 9/12/2019;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 6/12/2019
Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Left 0mm Spacing 1 RB 17-08-20/Channel 20525 Test/Area Scan (101x71x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 1.420 W/kg

Left 0mm Spacing 1 RB 17-08-20/Channel 20525 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 37.897 V/m; **Power Drift = 0.06 dB**

Averaged SAR: SAR(1g) = 1.270 W/kg; SAR(10g) = 0.723 W/kg

Maximum value of SAR (interpolated) = 2.250 W/kg



SAR Measurement Plot 17



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 850 MHz LTE EN.da52:12

DUT Name: Dipole 750 MHz, Type: D750V3, Serial: D750V3 - SN:1051**Configuration: System Check 17-08-20**

Communication System: 0 - System Check; Communication System Band: 900 MHz; Frequency: 900.0 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=900$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 40.1$; $\rho = 1000.0\text{g/cm}^3$

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.09,6.09,6.09); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

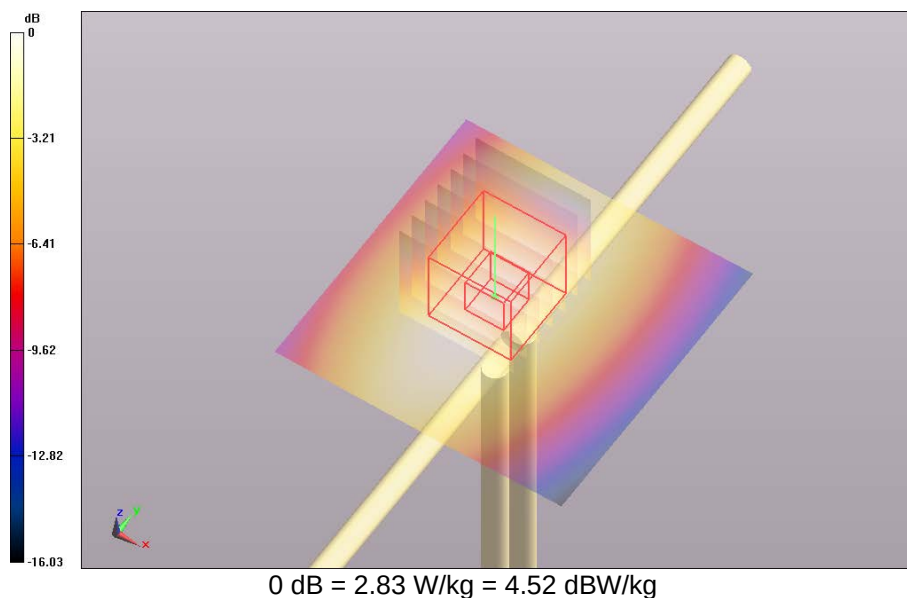
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

System Check 17-08-20/Channel 1 Test/Area Scan (51x51x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm;

Maximum value of SAR (interpolated) = 2.830 W/kg

System Check 17-08-20/Channel 1 Test/Zoom Scan (31x31x36)/Cube 0: Interpolated grid: $dx=1.0$ mm, $dy=1.0$ mm, $dz=1.0$ mm; Reference Value = 57.864 V/m; **Power Drift = 0.00 dB****Averaged SAR: SAR(1g) = 2.640 W/kg; SAR(10g) = 1.720 W/kg**

Maximum value of SAR (interpolated) = 3.770 W/kg



SAR Measurement Plot 18



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 700 MHz LTE EN.da52:0

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Back 0mm Spacing 1 RB 11-08-20**

Communication System: 0 - LTE FDD 10MHz QPSK (1RB Mid); Communication System Band: Band 12 E-UTRA 700; Frequency: 711.0 MHz; Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=711$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 40.4$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.49,6.49,6.49); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

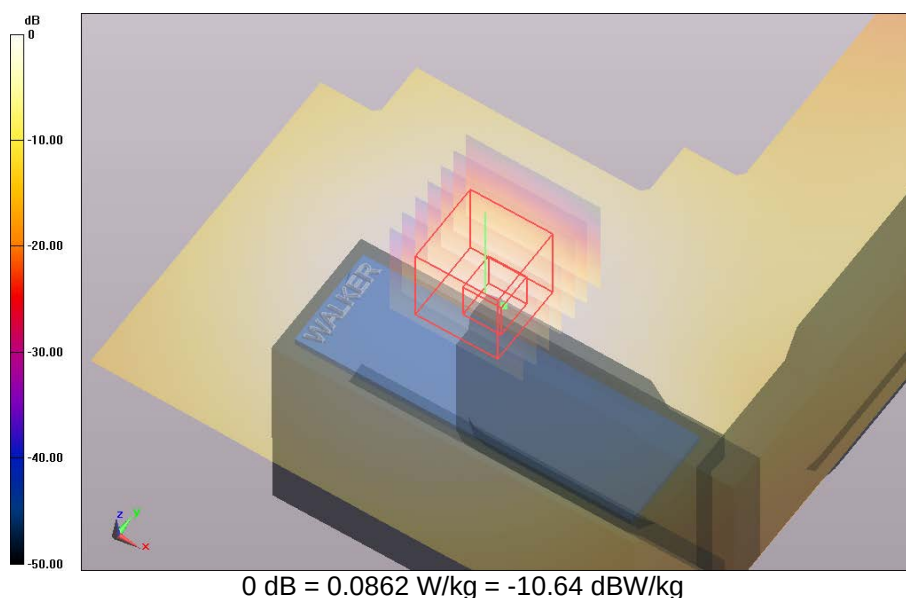
Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Back 0mm Spacing 1 RB 11-08-20/Channel 23130 Test/Area Scan (101x151x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.086 W/kg**Back 0mm Spacing 1 RB 11-08-20/Channel 23130 Test/Zoom Scan (36x31x36)/Cube 0:** Interpolated grid: $dx=1.0$ mm, $dy=1.0$ mm, $dz=1.0$ mm; Reference Value = 9.774 V/m; **Power Drift = 0.17 dB****Averaged SAR: SAR(1g) = 0.088 W/kg; SAR(10g) = 0.062 W/kg**

Maximum value of SAR (interpolated) = 0.124 W/kg



SAR Measurement Plot 19



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 700 MHz LTE EN.da52:9

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Left 0mm Spacing 25 RB 11-08-20**

Communication System: 0 - LTE FDD 10MHz QPSK (25RB Mid); Communication System Band: Bnad 12 E-UTRA 700; Frequency: 711.0 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: $f=711$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 40.4$; $\rho = 1000.0\text{g/cm}^3$
Phantom section: Flat Section

DASY Configuration:

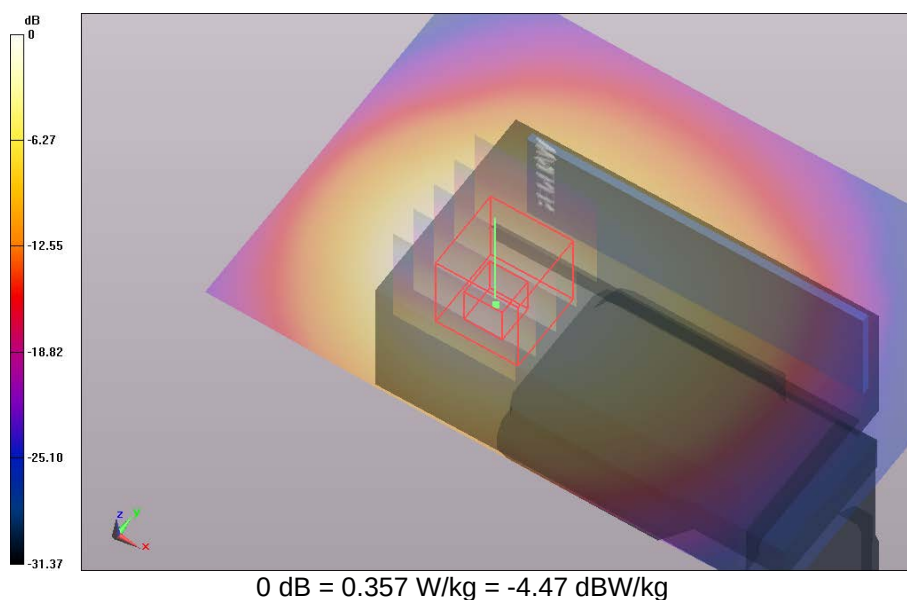
Probe: ET3DV6 - SN1380; ConvF: (6.49,6.49,6.49); Calibrated: 9/12/2019;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 6/12/2019
Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Left 0mm Spacing 25 RB 11-08-20/Channel 23130 Test/Area Scan (101x71x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.357 W/kg

Left 0mm Spacing 25 RB 11-08-20/Channel 23130 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 17.672 V/m; **Power Drift = 0.06 dB**

Averaged SAR: SAR(1g) = 0.330 W/kg; SAR(10g) = 0.198 W/kg

Maximum value of SAR (interpolated) = 0.540 W/kg



SAR Measurement Plot 20



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 700 MHz LTE EN.da52:12

DUT Name: Dipole 750 MHz, Type: D750V3, Serial: D750V3 - SN:1051**Configuration: System Check 11-08-20**

Communication System: 0 - CW (0); Communication System Band: 750 MHz; Frequency: 750.0 MHz,

Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=750$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 39.9$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.49,6.49,6.49); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection)

Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

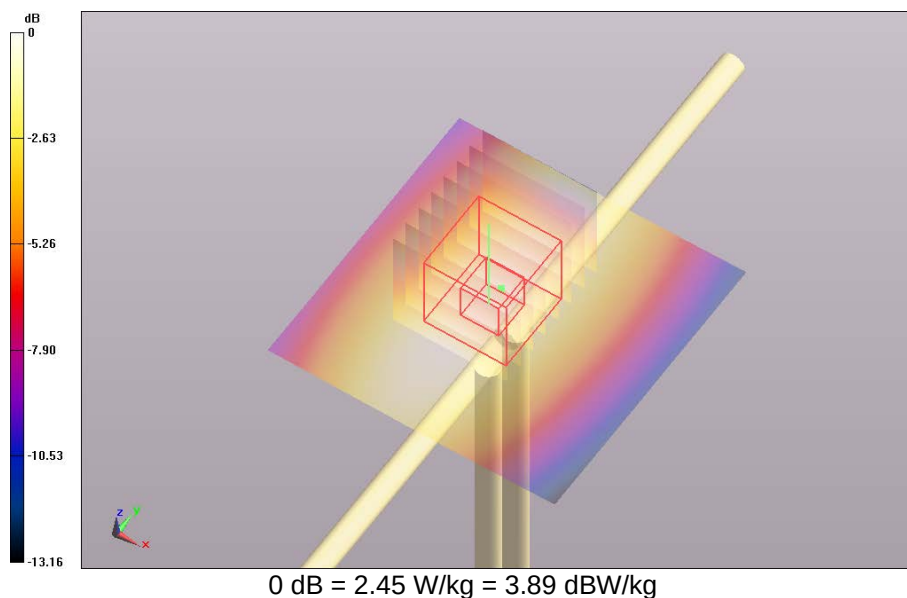
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

System Check 11-08-20/Channel 1 Test/Area Scan (51x51x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm;

Maximum value of SAR (interpolated) = 2.450 W/kg

System Check 11-08-20/Channel 1 Test/Zoom Scan (31x36x36)/Cube 0: Interpolated grid: $dx=1.0$ mm, $dy=1.0$ mm, $dz=1.0$ mm; Reference Value = 54.407 V/m; **Power Drift = -0.05 dB****Averaged SAR: SAR(1g) = 2.280 W/kg; SAR(10g) = 1.500 W/kg**

Maximum value of SAR (interpolated) = 3.230 W/kg



SAR Measurement Plot 21



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 700 MHz LTE EN.da52:1

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Back 0mm Spacing 25 RB 12-08-20**

Communication System: 0 - LTE FDD 5MHz QPSK (25RB Mid); Communication System Band: Band 13 E-UTRA 700; Frequency: 784.5 MHz; Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00
Medium Parameters used: $f=784.5$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 40.1$; $\rho = 1000.0$ g/cm³
Phantom section: Flat Section

DASY Configuration:

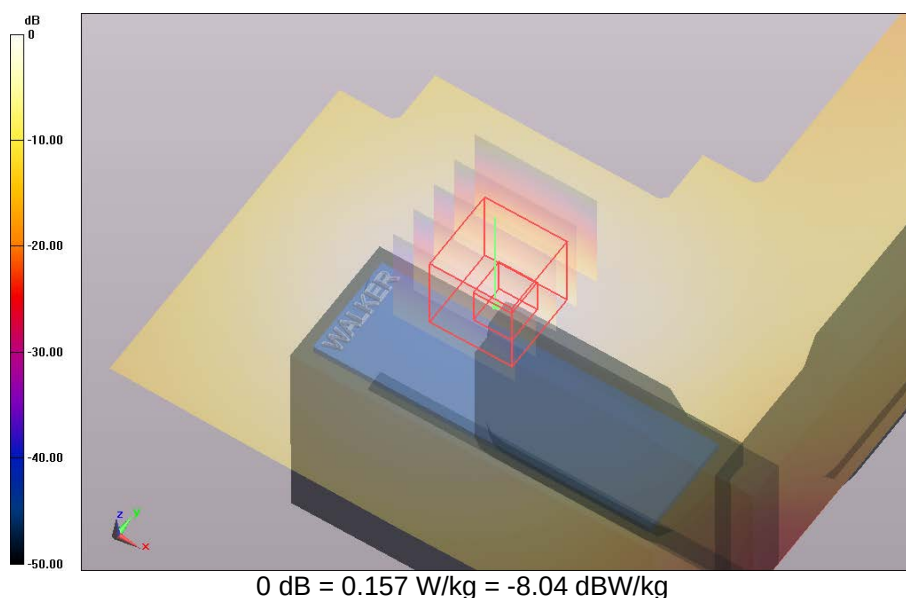
Probe: ET3DV6 - SN1380; ConvF: (6.49,6.49,6.49); Calibrated: 9/12/2019;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 6/12/2019
Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Back 0mm Spacing 25 RB 12-08-20/Channel 23255 Test/Area Scan (101x151x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 0.157 W/kg

Back 0mm Spacing 25 RB 12-08-20/Channel 23255 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 12.619 V/m; **Power Drift = 0.06 dB**

Averaged SAR: SAR(1g) = 0.149 W/kg; SAR(10g) = 0.101 W/kg

Maximum value of SAR (interpolated) = 0.199 W/kg



SAR Measurement Plot 22



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 700 MHz LTE EN.da52:9

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Left 0mm Spacing 25 RB 12-08-20**

Communication System: 0 - LTE FDD 5MHz QPSK (25RB Mid); Communication System Band: Band 13 E-UTRA 700; Frequency: 784.5 MHz, Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=784.5$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 40.1$; $\rho = 1000.0\text{g/cm}^3$

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.49,6.49,6.49); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

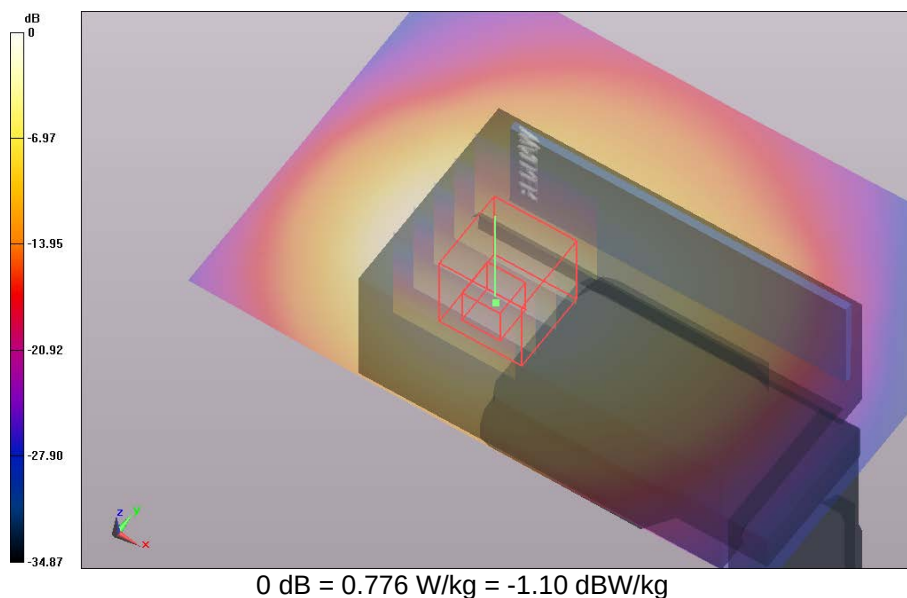
Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Left 0mm Spacing 25 RB 12-08-20/Channel 23255 Test/Area Scan (101x71x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.776 W/kg**Left 0mm Spacing 25 RB 12-08-20/Channel 23255 Test/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 25.606 V/m; **Power Drift = -0.00 dB****Averaged SAR: SAR(1g) = 0.679 W/kg; SAR(10g) = 0.393 W/kg**

Maximum value of SAR (interpolated) = 1.160 W/kg



SAR Measurement Plot 23



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 700 MHz LTE EN.da52:12

DUT Name: Dipole 750 MHz, Type: D750V3, Serial: D750V3 - SN:1051**Configuration: System Check 12-08-20**

Communication System: 0 - CW (0); Communication System Band: 750 MHz; Frequency: 750.0 MHz,

Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=750$ MHz; $\sigma = 0.90$ S/m; $\epsilon_r = 40.0$; $\rho = 1000.0\text{g/cm}^3$

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.49,6.49,6.49); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection)

Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

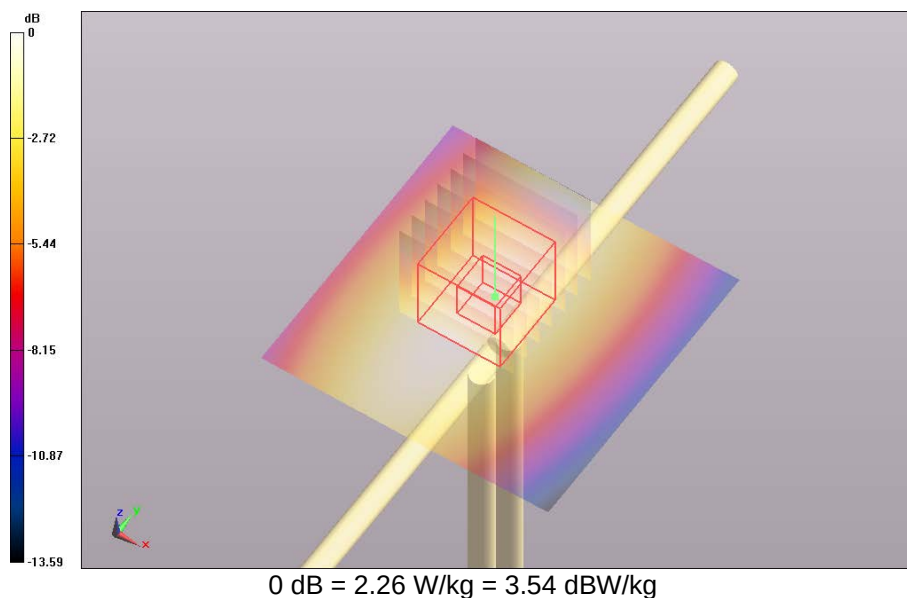
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

System Check 12-08-20/Channel 1 Test/Area Scan (51x51x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm;

Maximum value of SAR (interpolated) = 2.260 W/kg

System Check 12-08-20/Channel 1 Test/Zoom Scan (31x31x36)/Cube 0: Interpolated grid: $dx=1.0$ mm, $dy=1.0$ mm, $dz=1.0$ mm; Reference Value = 52.626 V/m; **Power Drift = 0.11 dB****Averaged SAR: SAR(1g) = 2.120 W/kg; SAR(10g) = 1.400 W/kg**

Maximum value of SAR (interpolated) = 3.010 W/kg



SAR Measurement Plot 24



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 700 MHz LTE EN.da52:1

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Back 0mm Spacing 25 RB 13-08-20**

Communication System: 0 - LTE FDD 5MHz QPSK (25RB Mid); Communication System Band: Band 14 E-UTRA 700; Frequency: 790.5 MHz; Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=790.5$ MHz; $\sigma = 0.90$ S/m; $\epsilon_r = 40.1$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.49,6.49,6.49); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

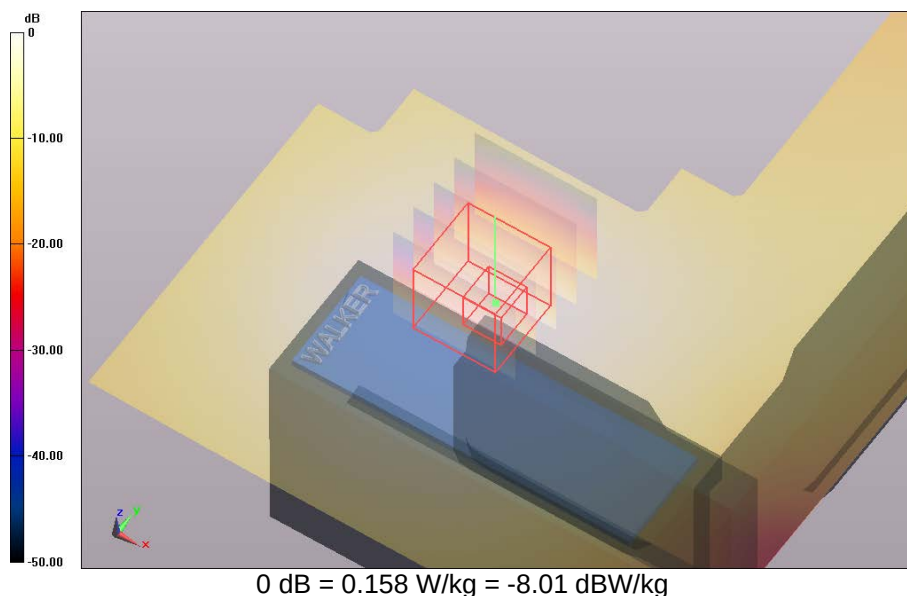
Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Back 0mm Spacing 25 RB 13-08-20/Channel 23305 Test/Area Scan (101x151x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 0.158 W/kg**Back 0mm Spacing 25 RB 13-08-20/Channel 23305 Test/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 12.952 V/m; **Power Drift = -0.00 dB****Averaged SAR: SAR(1g) = 0.157 W/kg; SAR(10g) = 0.108 W/kg**

Maximum value of SAR (interpolated) = 0.214 W/kg



SAR Measurement Plot 25



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 700 MHz LTE EN.da52:8

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Left 0mm Spacing 1 RB 13-08-20**

Communication System: 0 - LTE FDD 10MHz QPSK (1RB Mid); Communication System Band: Band 14 E-UTRA 700; Frequency: 793.0 MHz; Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=793$ MHz; $\sigma = 0.90$ S/m; $\epsilon_r = 40.1$; $\rho = 1000.0\text{g/cm}^3$

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.49,6.49,6.49); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

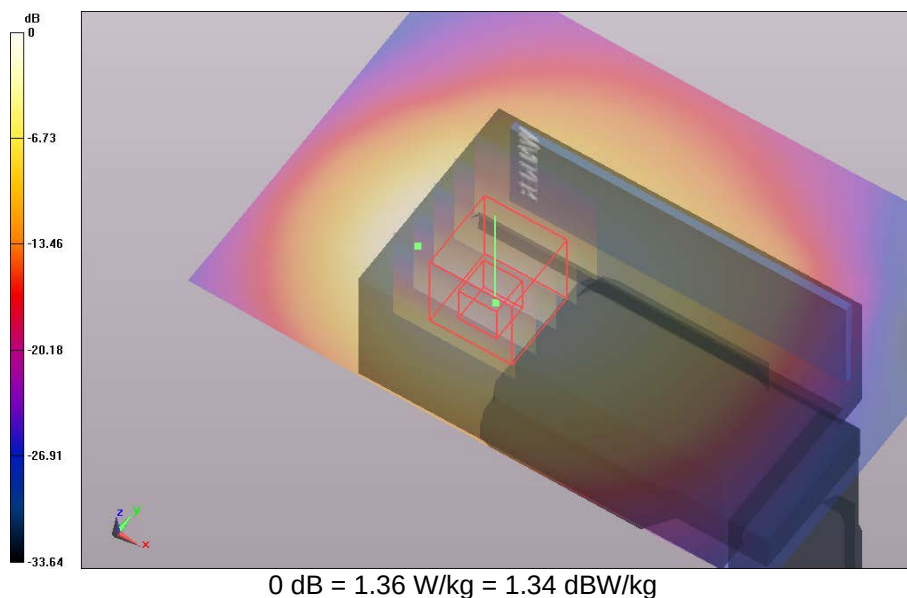
Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Left 0mm Spacing 1 RB 13-08-20/Channel 23330 Test/Area Scan (101x71x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 1.360 W/kg**Left 0mm Spacing 1 RB 13-08-20/Channel 23330 Test/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 33.456 V/m; **Power Drift = -0.03 dB****Averaged SAR: SAR(1g) = 1.180 W/kg; SAR(10g) = 0.677 W/kg**

Maximum value of SAR (interpolated) = 2.030 W/kg



SAR Measurement Plot 26



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 700 MHz LTE EN.da52:12

DUT Name: Dipole 750 MHz, Type: D750V3, Serial: D750V3 - SN:1051**Configuration: System Check 13-08-20**

Communication System: 0 - CW (0); Communication System Band: 750 MHz; Frequency: 750.0 MHz,

Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=750$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 40.3$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.49,6.49,6.49); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection)

Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

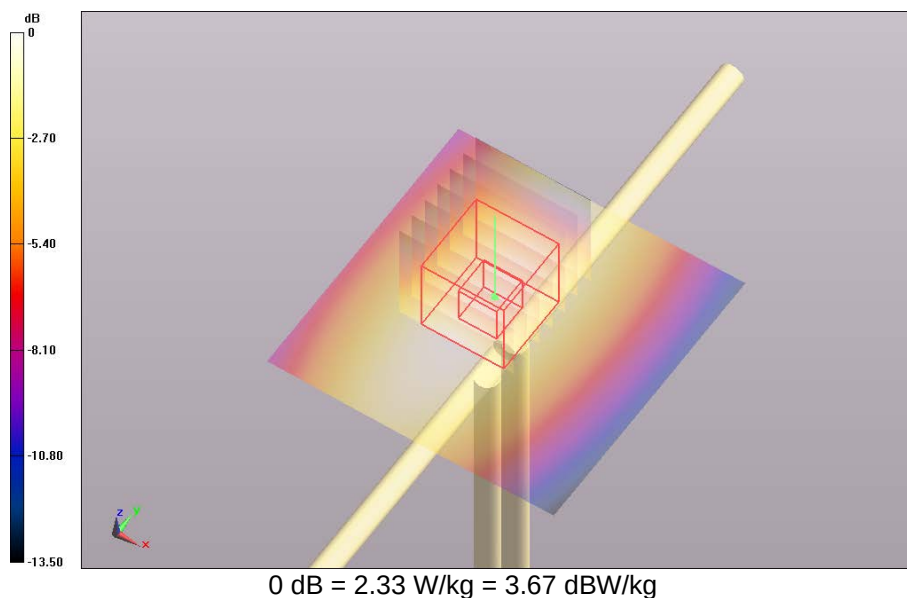
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

System Check 13-08-20/Channel 1 Test/Area Scan (51x51x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm;

Maximum value of SAR (interpolated) = 2.330 W/kg

System Check 13-08-20/Channel 1 Test/Zoom Scan (31x31x36)/Cube 0: Interpolated grid: $dx=1.0$ mm, $dy=1.0$ mm, $dz=1.0$ mm; Reference Value = 53.856 V/m; **Power Drift = 0.03 dB****Averaged SAR: SAR(1g) = 2.160 W/kg; SAR(10g) = 1.430 W/kg**

Maximum value of SAR (interpolated) = 3.060 W/kg



SAR Measurement Plot 27



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 700 MHz LTE EN.da52:1

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Back 0mm Spacing 25 RB 14-08-20**

Communication System: 0 - LTE FDD 10MHz QPSK (25RB High); Communication System Band: Band 17 E-UTRA 710; Frequency: 709.0 MHz, Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00
Medium Parameters used: $f=709$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 40.6$; $\rho = 1000.0$ g/cm³
Phantom section: Flat Section

DASY Configuration:

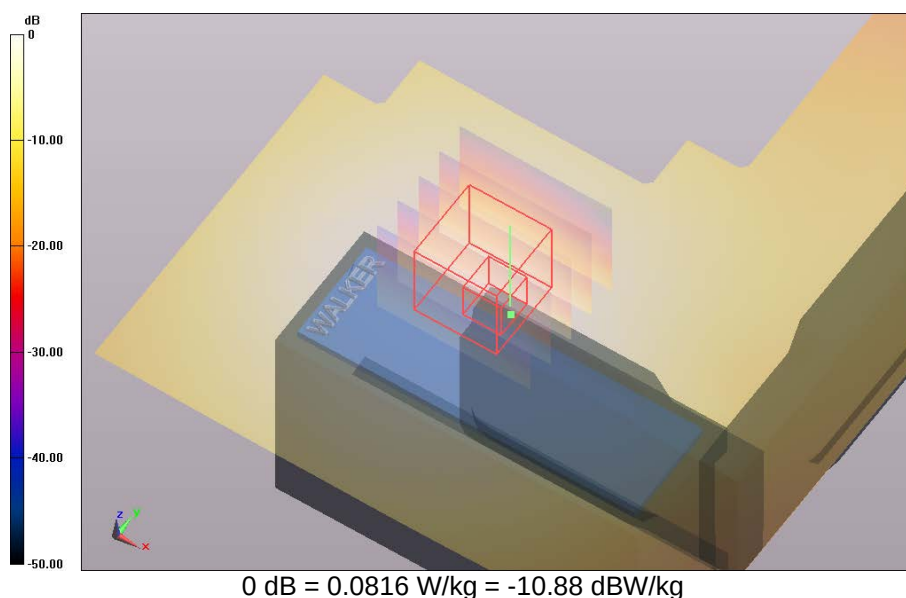
Probe: ET3DV6 - SN1380; ConvF: (6.49,6.49,6.49); Calibrated: 9/12/2019;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 6/12/2019
Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Back 0mm Spacing 25 RB 14-08-20/Channel 23780 Test/Area Scan (101x151x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 0.082 W/kg

Back 0mm Spacing 25 RB 14-08-20/Channel 23780 Test/Zoom Scan (26x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 9.381 V/m; **Power Drift = -0.01 dB**

Averaged SAR: SAR(1g) = 0.075 W/kg; SAR(10g) = 0.052 W/kg

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



SAR Measurement Plot 28



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 700 MHz LTE EN.da52:11

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Left 0mm Spacing 1 RB 14-08-20**

Communication System: 0 - LTE FDD 10MHz QPSK (1RB Mid); Communication System Band: Band 17 E-UTRA 710; Frequency: 710.0 MHz; Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=710$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 40.6$; $\rho = 1000.0\text{g/cm}^3$

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.49,6.49,6.49); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))

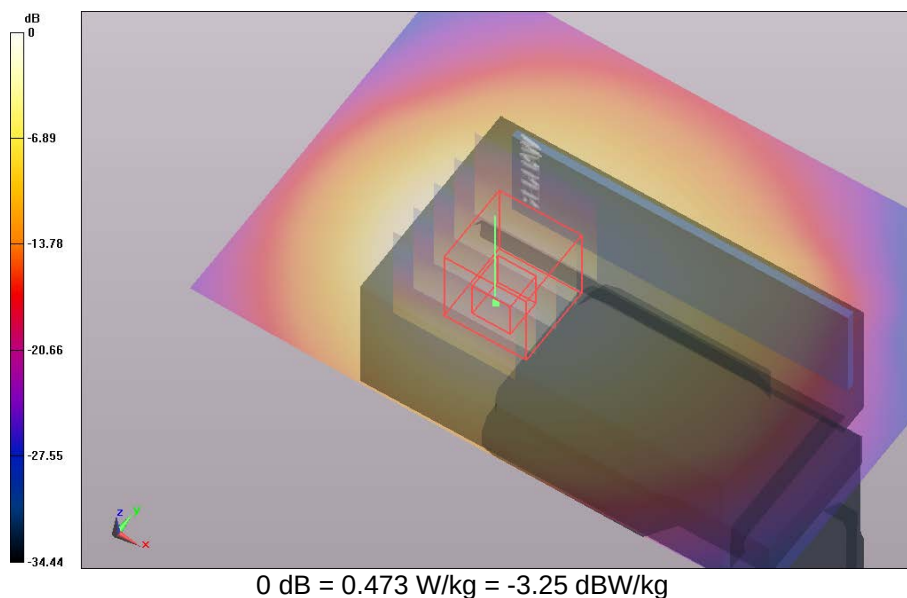
Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Left 0mm Spacing 1 RB 14-08-20/Channel 23790 Test/Area Scan (101x71x1): Interpolated grid: $dx=1.5$ mm, $dy=1.5$ mm; Maximum value of SAR (interpolated) = 0.473 W/kg**Left 0mm Spacing 1 RB 14-08-20/Channel 23790 Test/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: $dx=1.6$ mm, $dy=1.6$ mm, $dz=1.0$ mm; Reference Value = 20.218 V/m; **Power Drift = 0.03 dB****Averaged SAR: SAR(1g) = 0.428 W/kg; SAR(10g) = 0.259 W/kg**

Maximum value of SAR (interpolated) = 0.692 W/kg



SAR Measurement Plot 29



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 700 MHz LTE EN.da52:17

DUT Name: Dipole 750 MHz, Type: D750V3, Serial: D750V3 - SN:1051**Configuration: System Check 17-08-20**

Communication System: 0 - CW (0); Communication System Band: 750 MHz; Frequency: 750.0 MHz,

Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00

Medium Parameters used: $f=750$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 39.9$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (6.49,6.49,6.49); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection)

Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

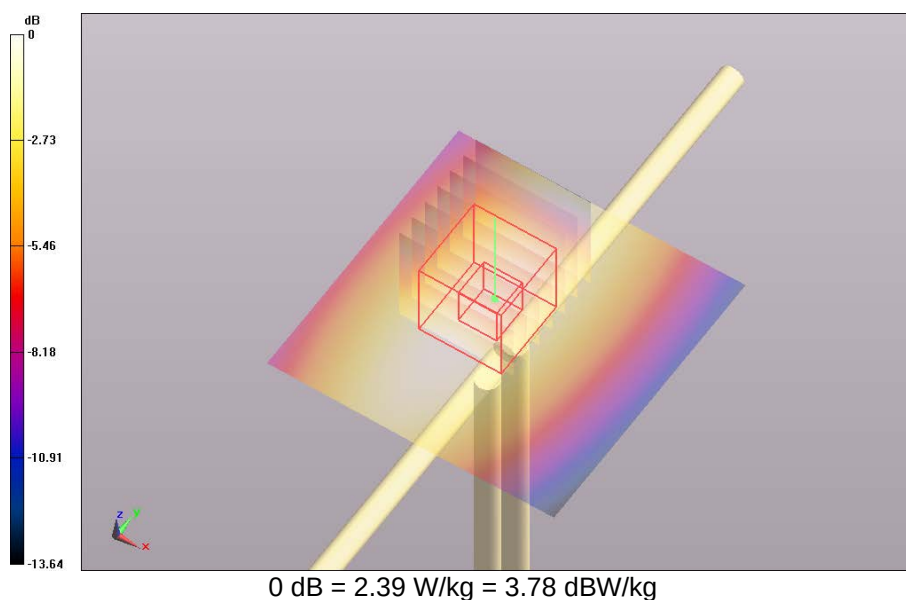
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

System Check 17-08-20/Channel 1 Test/Area Scan (51x51x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm;

Maximum value of SAR (interpolated) = 2.390 W/kg

System Check 17-08-20/Channel 1 Test/Zoom Scan (31x31x36)/Cube 0: Interpolated grid: dx=1.0 mm, dy=1.0 mm, dz=1.0 mm; Reference Value = 53.476 V/m; **Power Drift = 0.06 dB****Averaged SAR: SAR(1g) = 2.220 W/kg; SAR(10g) = 1.470 W/kg**

Maximum value of SAR (interpolated) = 3.140 W/kg



SAR Measurement Plot 30



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 1700 MHz LTE EN.da52:1

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Back 0mm Spacing 50 RB 26-08-20**

Communication System: 0 - LTE FDD 20MHz QPSK (50RB Low); Communication System Band: Bnad 66 E-UTRA 700; Frequency: 1720 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: $f=1720$ MHz; $\sigma = 1.31$ S/m; $\epsilon_r = 39.1$; $\rho = 1000.0$ g/cm³
Phantom section: Flat Section

DASY Configuration:

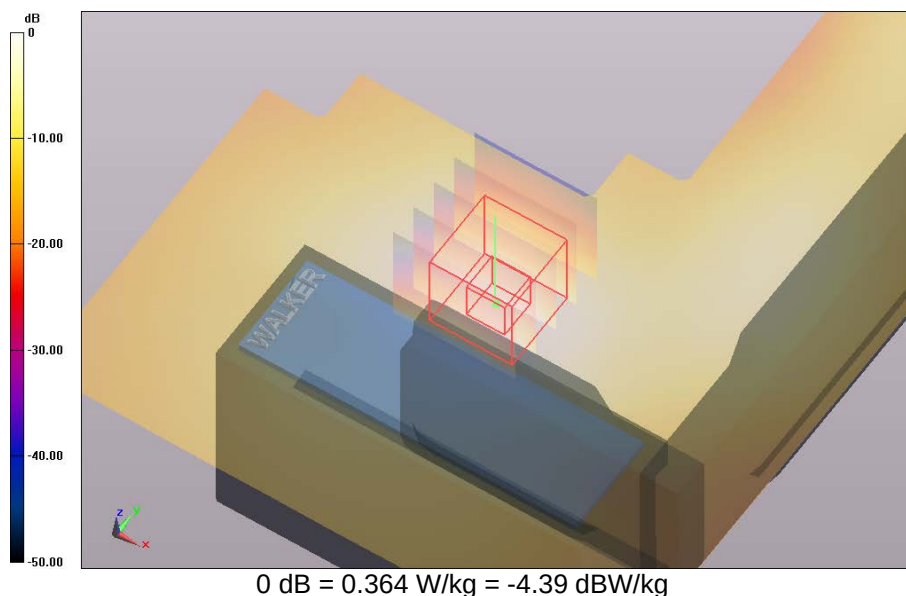
Probe: ET3DV6 - SN1380; ConvF: (5.16,5.16,5.16); Calibrated: 9/12/2019;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 6/12/2019
Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Back 0mm Spacing 50 RB 26-08-20/Channel 132072 Test/Area Scan (101x151x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 0.364 W/kg

Back 0mm Spacing 50 RB 26-08-20/Channel 132072 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 9.087 V/m; **Power Drift = 0.02 dB**

Averaged SAR: SAR(1g) = 0.328 W/kg; SAR(10g) = 0.186 W/kg

Maximum value of SAR (interpolated) = 0.512 W/kg



SAR Measurement Plot 31



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 1700 MHz LTE EN.da52:8

DUT Name: Mentis 3G-LTE Transmitter, Type: W510, Serial: IMEI:015250000176440**Configuration: Left 0mm Spacing 1 RB 26-08-20**

Communication System: 0 - LTE FDD 20MHz QPSK (1RB High); Communication System Band: Bnad 66 E-UTRA 1700; Frequency: 1745 MHz, Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00
Medium Parameters used: $f=1745$ MHz; $\sigma = 1.32$ S/m; $\epsilon_r = 39.0$; $\rho = 1000.0$ g/cm³
Phantom section: Flat Section

DASY Configuration:

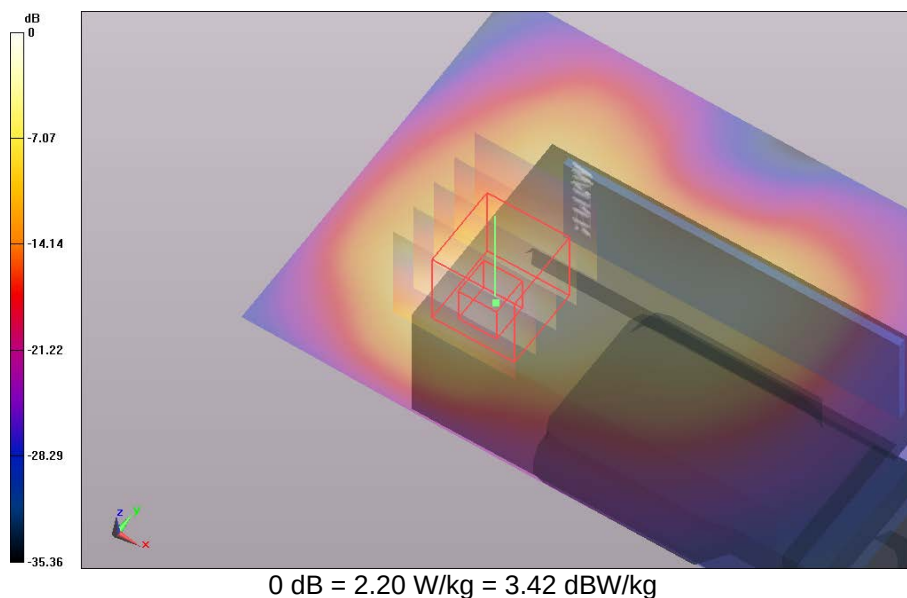
Probe: ET3DV6 - SN1380; ConvF: (5.16,5.16,5.16); Calibrated: 9/12/2019;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 6/12/2019
Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

Left 0mm Spacing 1 RB 26-08-20/Channel 132322 Test/Area Scan (101x71x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 2.200 W/kg

Left 0mm Spacing 1 RB 26-08-20/Channel 132322 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 34.598 V/m; **Power Drift = -0.09 dB**

Averaged SAR: SAR(1g) = 1.710 W/kg; SAR(10g) = 0.905 W/kg

Maximum value of SAR (interpolated) = 2.920 W/kg



SAR Measurement Plot 32



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Test Lab: EMCTech

Test File: M2006031 Walker Tx 1700 MHz LTE EN.da52:12

DUT Name: Dipole 1800 MHz, Type: DV1800V2, Serial: 242**Configuration: System Check 26-08-20**Communication System: 0 - System Check; Communication System Band: 1800 MHz; Frequency: 1800 MHz,
Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00Medium Parameters used: $f=1800$ MHz; $\sigma = 1.36$ S/m; $\epsilon_r = 38.7$; $\rho = 1000.0$ g/cm³

Phantom section: Flat Section

DASY Configuration:

Probe: ET3DV6 - SN1380; ConvF: (5.16,5.16,5.16); Calibrated: 9/12/2019;

Sensor-Surface: 4 mm (Mechanical Surface Detection)

Electronics: DAE3 Sn442; Calibrated: 6/12/2019

Phantom: ELI 4.0 (5deg probe tilt); Type: QDOVA001BA; Serial: 1101

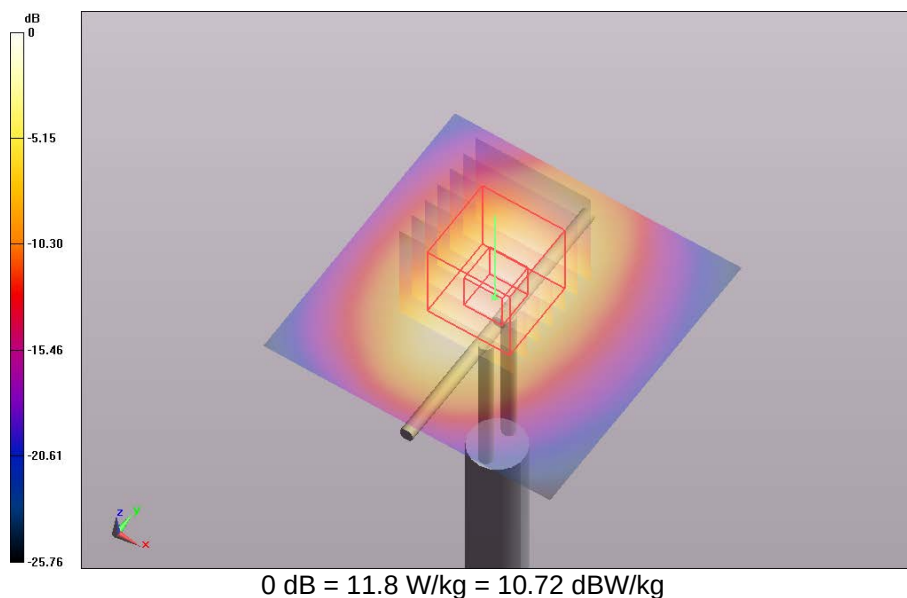
DASY52 52.10.1(1476); SEMCAD X Version 14.6.11 (7437)

System Check 26-08-20/Channel 1 Test/Area Scan (51x51x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm;

Maximum value of SAR (interpolated) = 11.800 W/kg

System Check 26-08-20/Channel 1 Test/Zoom Scan (31x31x36)/Cube 0: Interpolated grid: dx=1.0 mm, dy=1.0 mm, dz=1.0 mm; Reference Value = 95.140 V/m; **Power Drift = -0.10 dB****Averaged SAR: SAR(1g) = 9.290 W/kg; SAR(10g) = 5.020 W/kg**

Maximum value of SAR (interpolated) = 15.200 W/kg



SAR Measurement Plot 33



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