Multi-Band Average SAR

Multi-Band Configurations:

DASY Configuration for LHS/Touch_H ch_Vol. Scan/Volume Scan:

Date/Time: 11/3/2011 10:51:35 PM
Test Laboratory: UL CCS SAR Lab B
File Name: [CDMA BC1_Head_1xRTT RC3 SO55.da52:0](#)
DUT: LG LS840
Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.423 mho/m; ε_r = 40.36; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2)

DASY Configuration for LHS/Touch_QPSK_5MHz_RB1_RB0_H-Ch_Vol. Scan/Volume Scan:

Date/Time: 11/11/2011 2:12:12 PM
Test Laboratory: UL CCS SAR Lab B
File Name: [LTE Band 25_Head.da52:0](#)
DUT: LG LS840
Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.403 mho/m; ε_r = 39.729; ρ = 1000 kg/m^3
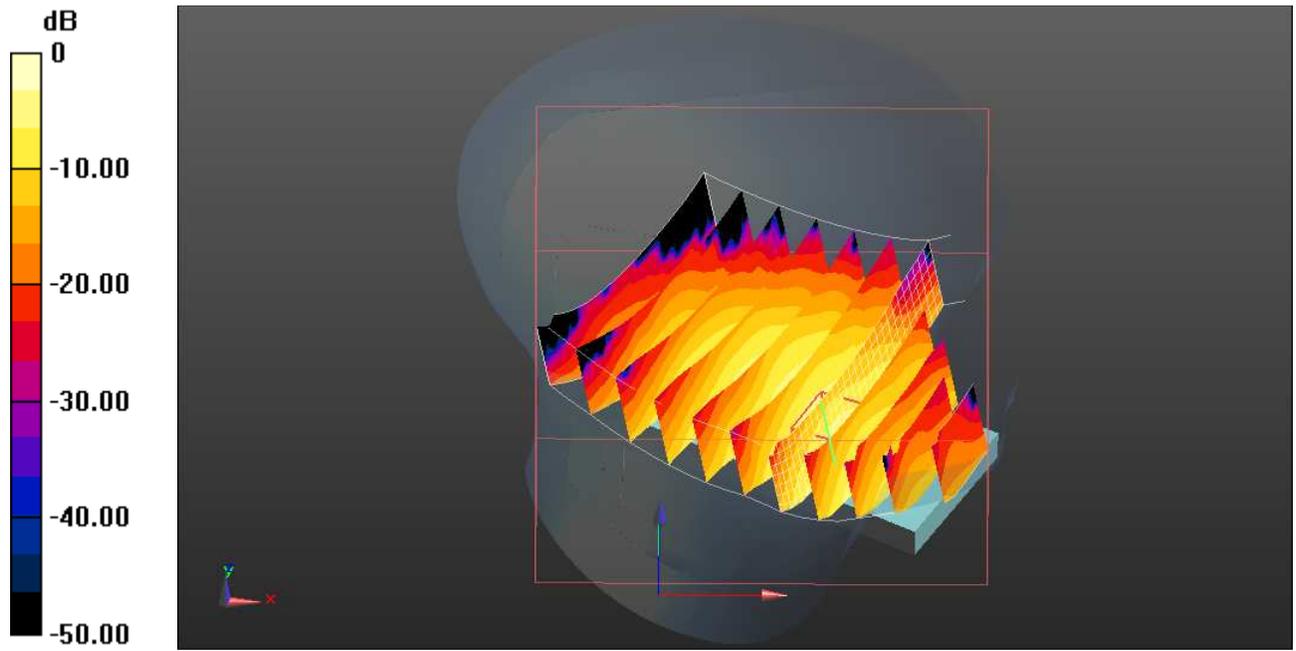Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3773; ConvF(7.12, 7.12, 7.12); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2)

Multi Band Result:
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.668 mW/g
Maximum value of SAR (interpolated) = 1.700 mW/g

0 dB = 1.700mW/g

Multi-Band Average SAR

Multi-Band Configurations:

DASY Configuration for LHS/Touch_H ch_Vol. Scan/Volume Scan:

Date/Time: 11/3/2011 10:51:35 PM
Test Laboratory: UL CCS SAR Lab B
File Name: CDMA BC1_Head_1xRTT RC3 SO55.da52:0
DUT: LG LS840
Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.423 mho/m; ε_r = 40.36; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2)

DASY Configuration for LHS/Touch_QPSK_5MHz_RB1_RB0_H-Ch_Vol. Scan/Volume Scan:

Date/Time: 11/11/2011 2:12:12 PM
Test Laboratory: UL CCS SAR Lab B
File Name: LTE Band 25_Head.da52:0
DUT: LG LS840
Communication System: LTE; Frequency: 1912.5 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1912.5 MHz; σ = 1.403 mho/m; ε_r = 39.729; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3773; ConvF(7.12, 7.12, 7.12); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2)

DASY Configuration for LHS/Touch_H ch/Volume Scan:

Date/Time: 11/13/2011 9:22:55 PM
Test Laboratory: UL CCS SAR Lab B
File Name: WiFi_2.4GHz_Head.da52:0
DUT: LG LS840
Communication System: WLAN_2.4GHz; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2462 MHz; σ = 1.861 mho/m; ε_r = 38.443; ρ = 1000
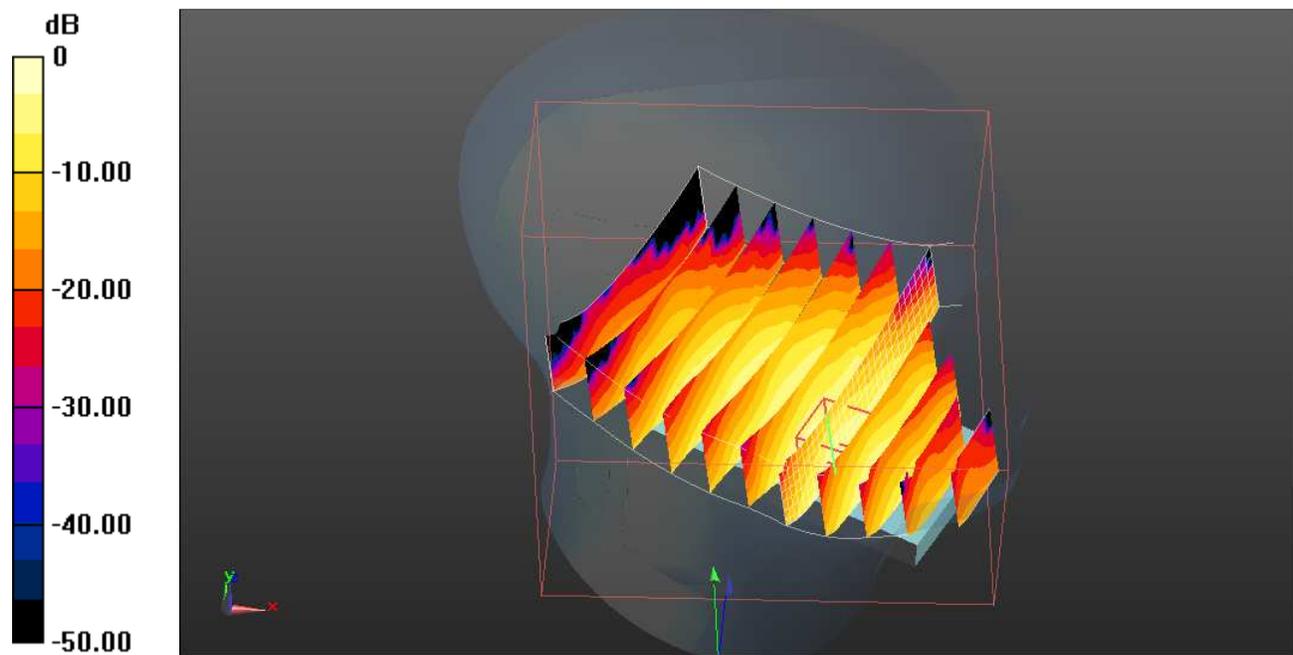
kg/m^3
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3773; ConvF(6.56, 6.56, 6.56); Calibrated: 5/3/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2)

Multi Band Result:
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.713 mW/g
Maximum value of SAR (interpolated) = 1.825 mW/g

0 dB = 1.820mW/g

Multi-Band Average SAR

Multi-Band Configurations:

DASY Configuration for RHS/Touch_M ch_Vol. Scan/Volume Scan:

Date/Time: 11/4/2011 3:11:12 AM
Test Laboratory: UL CCS SAR Lab B
File Name: [CDMA BC1_Head_1xRTT RC3 SO55.da52:1](#)
DUT: LG LS840
Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.393 mho/m; ε_r = 40.435; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2)

DASY Configuration for RHS/Touch_QPSK_5MHz_RB1_RB24_M-Ch_Vol. Scan/Volume Scan:

Date/Time: 11/11/2011 4:51:46 PM
Test Laboratory: UL CCS SAR Lab B
File Name: [LTE Band 25_Head.da52:0](#)
DUT: LG LS840
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.373 mho/m; ε_r = 39.844; ρ = 1000 kg/m^3
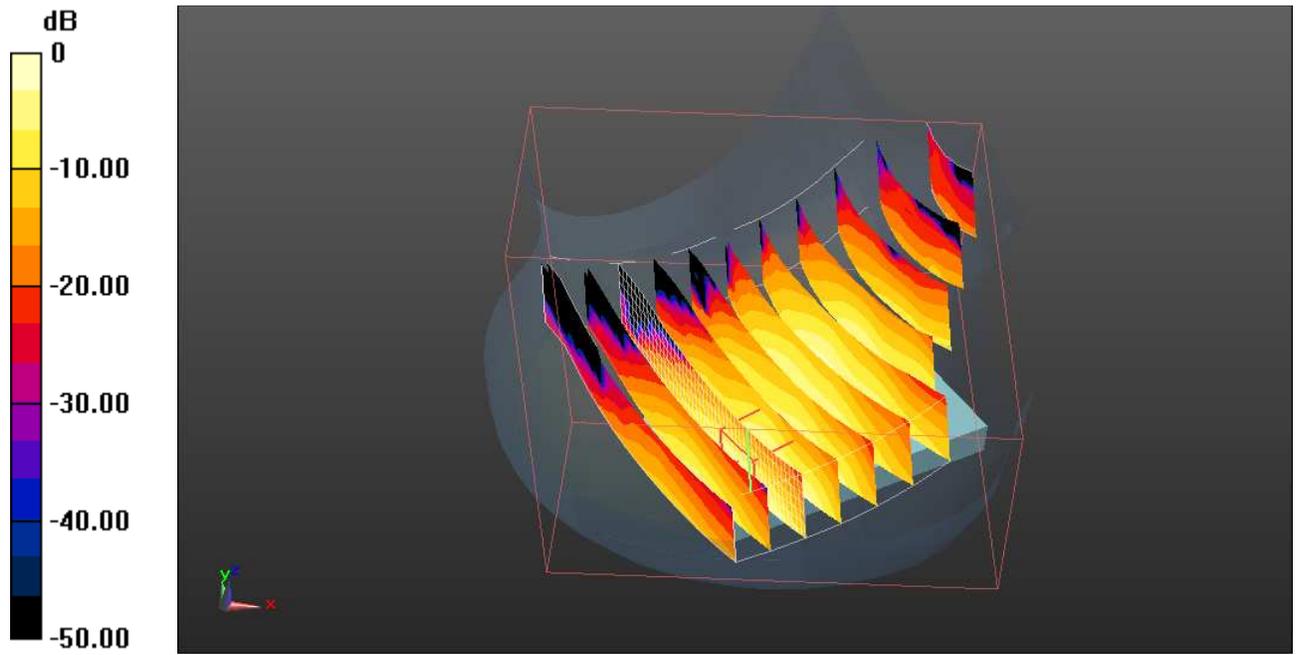Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2)

Multi Band Result:
SAR(1 g) = 0.792 mW/g; SAR(10 g) = 0.485 mW/g
Maximum value of SAR (interpolated) = 1.354 mW/g

0 dB = 1.350mW/g

Multi-Band Average SAR

Multi-Band Configurations:

DASY Configuration for RHS/Touch_M ch_Vol. Scan/Volume Scan:

Date/Time: 11/4/2011 3:11:12 AM
Test Laboratory: UL CCS SAR Lab B
File Name: CDMA BC1_Head_1xRTT RC3 SO55.da52:1
DUT: LG LS840
Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used: f = 1880 MHz; σ = 1.393 mho/m; ε_r = 40.435; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2)

DASY Configuration for RHS/Touch_QPSK_5MHz_RB1_RB24_M-Ch_Vol. Scan/Volume Scan:

Date/Time: 11/11/2011 4:51:46 PM
Test Laboratory: UL CCS SAR Lab B
File Name: LTE Band 25_Head.da52:0
DUT: LG LS840
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium: HSL1900 Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.373 mho/m; ε_r = 39.844; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3773; ConvF(7.3, 7.3, 7.3); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2)

DASY Configuration for RHS/Touch_H ch/Volume Scan:

Date/Time: 11/14/2011 1:35:25 AM
Test Laboratory: UL CCS SAR Lab B
File Name: WiFi_2.4GHz_Head.da52:1
DUT: LG LS840
Communication System: WLAN_2.4GHz; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: HSL2450 Medium parameters used (interpolated): f = 2462 MHz; σ = 1.861 mho/m; ε_r = 38.443; ρ = 1000 kg/m^3
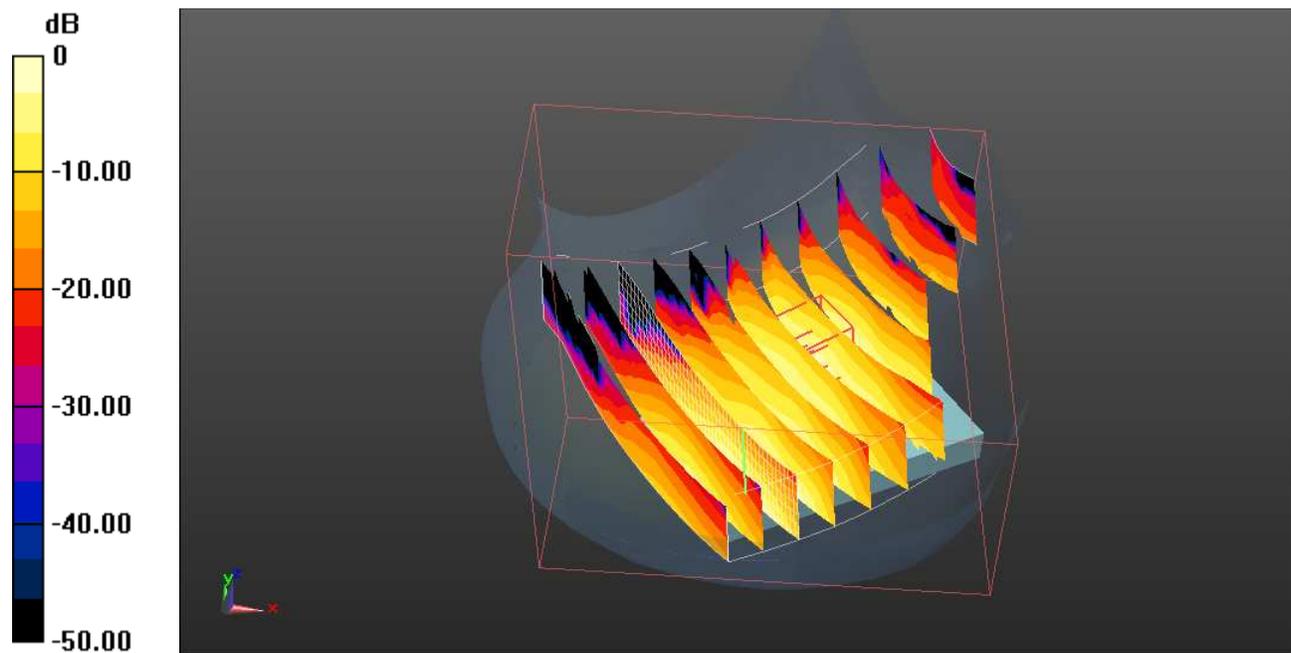
Phantom section: Right Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3773; ConvF(6.56, 6.56, 6.56); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP1632
- Measurement SW: DASY52, Version 52.6 (2)

Multi Band Result:
SAR(1 g) = 0.855 mW/g; SAR(10 g) = 0.531 mW/g
Maximum value of SAR (interpolated) = 1.364 mW/g

0 dB = 1.360mW/g

Multi-Band Average SAR

Multi-Band Configurations:

DASY Configuration for CDMA BC10(800)_1xRTT_RC3, SO32/Rear Side_Mid-Ch 2/Volume Scan:

Date/Time: 11/6/2011 1:00:00 AM
Test Laboratory: UL CCS SAR Lab C
File Name: CDMA BC10_Body worn.da52:0
DUT: LG LS840
Communication System: CDMA2000; Frequency: 820.5 MHz; Duty Cycle: 1:1
Medium: MSL900 Medium parameters used (interpolated): $f = 820.5$ MHz; $\sigma = 0.965$ mho/m; $\varepsilon_r = 54.053$; $\rho = 1000$ kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3772; ConvF(8.57, 8.57, 8.57); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 10/18/2011
- Phantom: ELI v4.0 (B); Type: QDOVA001BB; Serial: 1121
- Measurement SW: DASY52, Version 52.6 (2)

DASY Configuration for Rear/QPSK_5MHz_RB1_RB24_M-Ch_Vol. Scan/Volume Scan:

Date/Time: 11/9/2011 10:49:57 AM
Test Laboratory: UL CCS SAR Lab B
File Name: LTE Band 25_Body.da52:0
DUT: LG LS840
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.47$ mho/m; $\varepsilon_r = 52.824$; $\rho = 1000$ kg/m^3
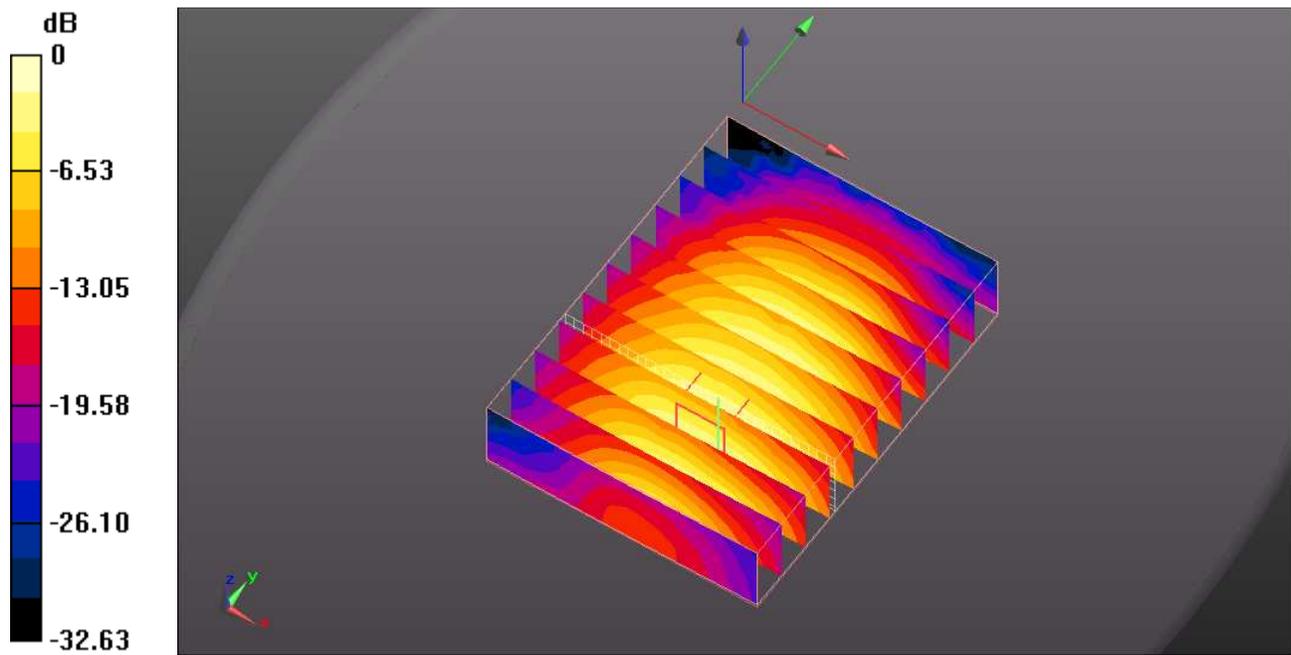Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2)

Multi Band Result:
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.707 mW/g
Maximum value of SAR (interpolated) = 1.444 mW/g

0 dB = 1.440mW/g

Multi-Band Average SAR

Multi-Band Configurations:

DASY Configuration for CDMA BC10(800)_1xRTT_RC3, SO32/Rear Side_Mid-Ch 2/Volume Scan:

Date/Time: 11/6/2011 1:00:00 AM
Test Laboratory: UL CCS SAR Lab C
File Name: CDMA BC10_Body worn.da52:0
DUT: LG LS840
Communication System: CDMA2000; Frequency: 820.5 MHz; Duty Cycle: 1:1
Medium: MSL900 Medium parameters used (interpolated): f = 820.5 MHz; σ = 0.965 mho/m; ε_r = 54.053; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3772; ConvF(8.57, 8.57, 8.57); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1239; Calibrated: 10/18/2011
- Phantom: ELI v4.0 (B); Type: QDOVA001BB; Serial: 1121
- Measurement SW: DASY52, Version 52.6 (2)

DASY Configuration for Rear/QPSK_5MHz_RB1_RB24_M-Ch_Vol. Scan/Volume Scan:

Date/Time: 11/9/2011 10:49:57 AM
Test Laboratory: UL CCS SAR Lab B
File Name: LTE Band 25_Body.da52:0
DUT: LG LS840
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.47 mho/m; ε_r = 52.824; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2)

DASY Configuration for 802.11b_Ant 3/Rear Side_H ch/Volume Scan:

Date/Time: 11/14/2011 5:15:09 AM
Test Laboratory: UL CCS SAR Lab B
File Name: WiFi_Body.da52:0
DUT: LG LS840
Communication System: WLAN_2.4GHz; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used (interpolated): f = 2462 MHz; σ = 1.971 mho/m; ε_r = 51.524; ρ = 1000
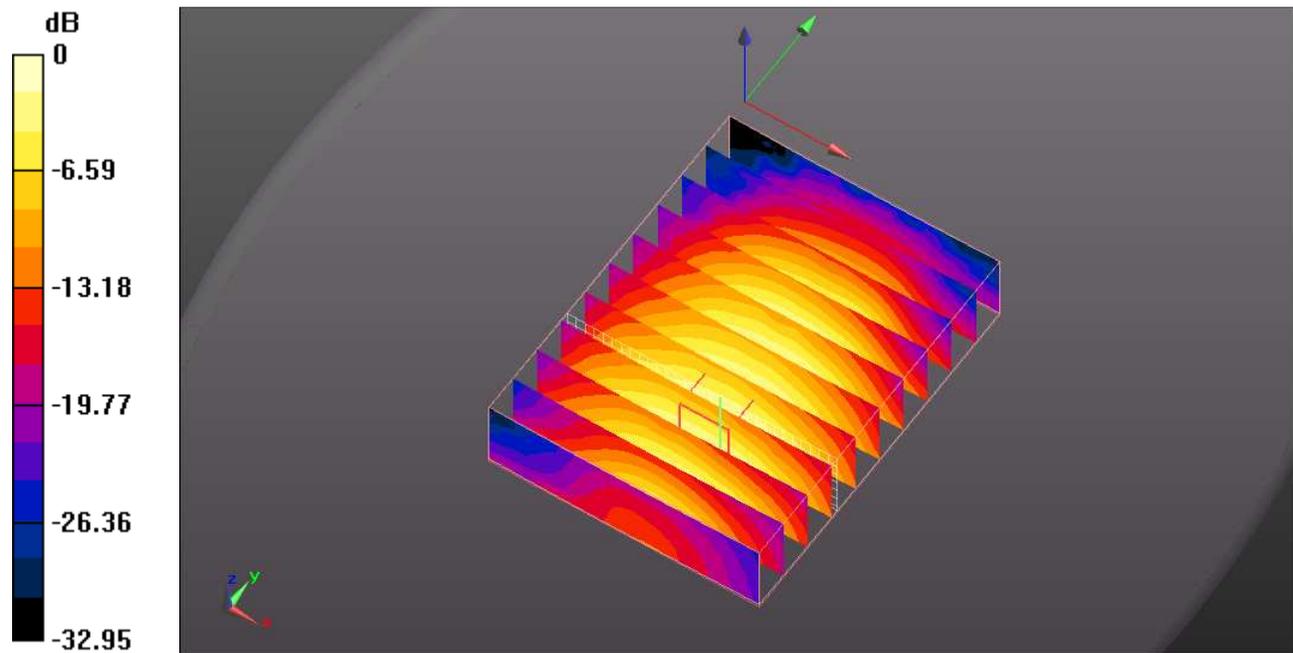
kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3773; ConvF(6.87, 6.87, 6.87); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2)

Multi Band Result:
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.739 mW/g
Maximum value of SAR (interpolated) = 1.555 mW/g

0 dB = 1.560mW/g

Multi-Band Average SAR

Multi-Band Configurations:

DASY Configuration for Rear/1xRTT_M-Ch_Vol.Scan/Volume Scan:

Date/Time: 11/2/2011 1:54:15 PM
Test Laboratory: UL CCS SAR Lab B
File Name: CDMA BC1_1xRTT.da52:0
DUT: LG LS840
Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 52.224; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2)

DASY Configuration for Rear/QPSK_5MHz_RB1_RB24_M-Ch_Vol. Scan/Volume Scan:

Date/Time: 11/9/2011 10:49:57 AM
Test Laboratory: UL CCS SAR Lab B
File Name: LTE Band 25_Body.da52:0
DUT: LG LS840
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.47 mho/m; ε_r = 52.824; ρ = 1000 kg/m^3
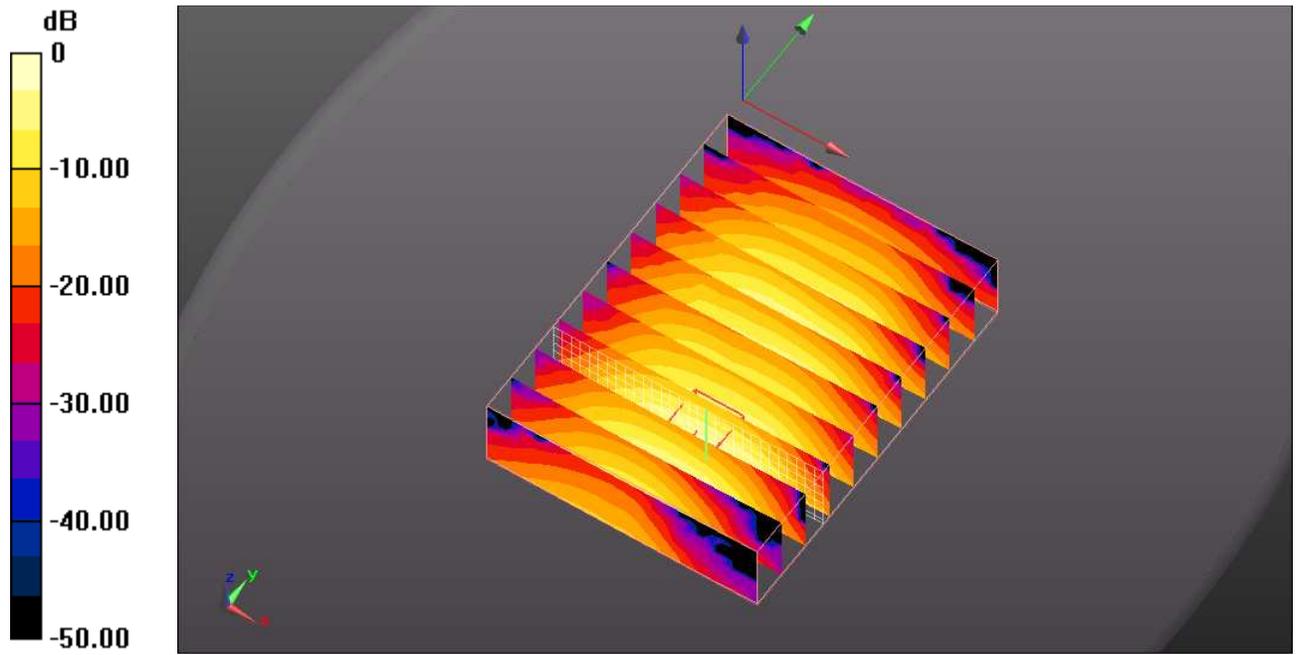Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2)

Multi Band Result:
SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.743 mW/g
Maximum value of SAR (interpolated) = 1.899 mW/g

0 dB = 1.900mW/g

Multi-Band Average SAR

Multi-Band Configurations:

DASY Configuration for Rear/1xRTT_M-Ch_Vol.Scan/Volume Scan:

Date/Time: 11/2/2011 1:54:15 PM
Test Laboratory: UL CCS SAR Lab B
File Name: CDMA BC1_1xRTT.da52:0
DUT: LG LS840
Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 52.224; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2)

DASY Configuration for Rear/QPSK_5MHz_RB1_RB24_M-Ch_Vol. Scan/Volume Scan:

Date/Time: 11/9/2011 10:49:57 AM
Test Laboratory: UL CCS SAR Lab B
File Name: LTE Band 25_Body.da52:0
DUT: LG LS840
Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium: MSL1900 Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.47 mho/m; ε_r = 52.824; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3773; ConvF(7.37, 7.37, 7.37); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2)

DASY Configuration for 802.11b_Ant 3/Rear Side_H ch/Volume Scan:

Date/Time: 11/14/2011 5:15:09 AM
Test Laboratory: UL CCS SAR Lab C
File Name: WiFi_Body.da52:0
DUT: LG LS840
Communication System: WLAN_2.4GHz; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium: MSL2450 Medium parameters used (interpolated): f = 2462 MHz; σ = 1.971 mho/m; ε_r = 51.524; ρ = 1000 kg/m^3
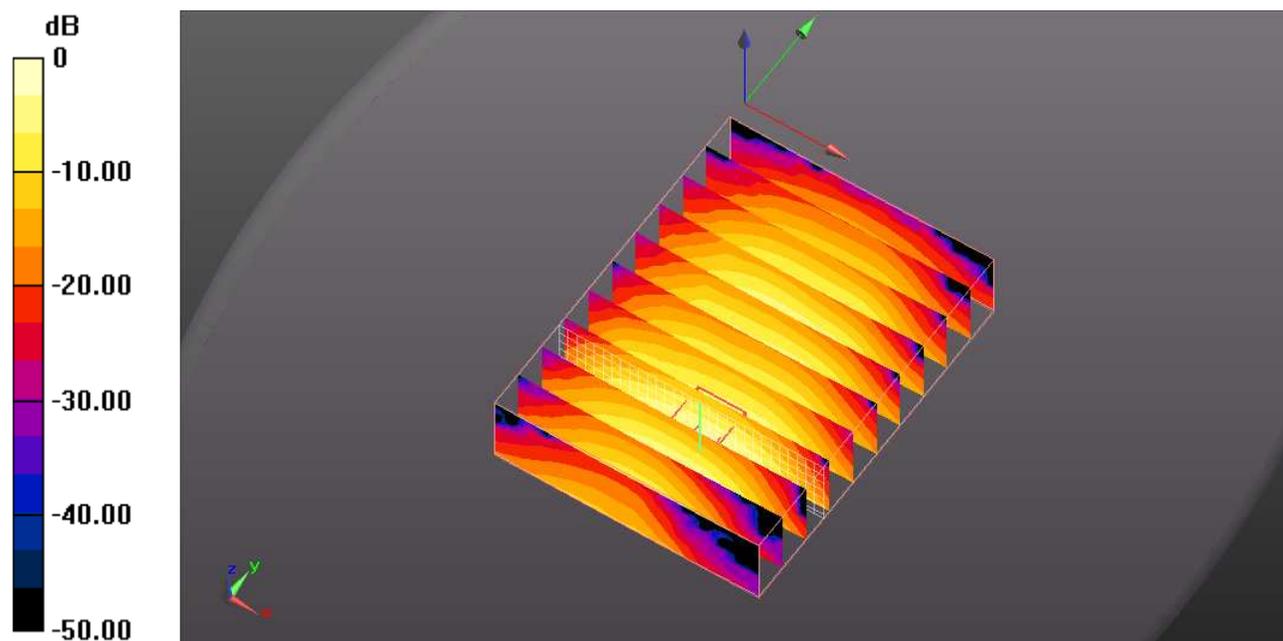
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

- Probe: EX3DV4 - SN3773; ConvF(6.87, 6.87, 6.87); Calibrated: 5/3/2011
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1258; Calibrated: 5/2/2011
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118
- Measurement SW: DASY52, Version 52.6 (2)

Multi Band Result:
SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.781 mW/g
Maximum value of SAR (interpolated) = 2.019 mW/g

0 dB = 2.020mW/g