SAR Test Datasheet
BlackBerry Closed Loop Antenna Tuning Experiments

As per FCC OET, SAR measurements were performed in 9 tunings states on the first mode which resulted in the worst case SAR value to investigate the effect and cover the corners, midpoints of the edges, and the mid-point of the tuning range, in addition to the Closed Loop condition.

Second worst case mode was tested in the 4 corners and mid-point of tuning range to minimize the number of tests, in addition to the Closed Loop condition.

For other band/mode combinations, the single data scan was chosen, based on simulation, to yield the lowest predicted SAR, in addition to the Closed Loop condition.

Please refer to the Confidential Exhibit: Operational Description for detailed information about the Closed Loop Antenna Tuning and the Tuner Test Matrices explaining the capacitor values for the tuning states.

Device Information

BlackBerry Model #		RFY111LW				
FCC ID #		L6ARFY110LW				
DeviceType	**Sample #**	**Device PIN**	**HW REV #**	**CPR #**	**Software Bundle**	**Date (mm/dd/yy)**
Radiated	18	2FFFE4E2	2	26847	10.2.0.519	09/12-16/2013

System accuracy verification

f (MHz)	**Limits / Measured**	**Scan Type**	**SAR 1g/10g (W/kg)**	**Dielectric Parameters**		**Liquid Temp. (°C)**
				ε_r	σ [S/m]	
835	Measured	Zoom Scan	8.83/5.79	40.0	0.88	22.9
	Measured	Zoom Scan	8.96/5.87	40.5	0.88	22.7
	Recommended Limits (Dipole: 446)		9.39 / 6.13	41.5	0.90	N/A
1800	Measured	Zoom Scan	35.7/18.6	38.2	1.42	22.6
	Measured	Zoom Scan	36.4/19.0	39.2	1.42	22.8
	Recommended Limits (Dipole: 2d020)		38.5/20.3	40.0	1.40	N/A
1900	Measured	Zoom Scan	38.6/20.3	38.1	1.41	22.6
	Recommended Limits (Dipole: 545)		40.2/21.1	40.0	1.40	N/A

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Electrical parameters of tissue simulating liquid

Band (MHz)	Tissue Type	Limits / Measured	f (MHz)	Dielectric Parameters		Liquid Temp (°C)
				ε_r	σ [S/m]	
835	Head	Measured	815	40.2	0.86	22.9
			825	40.2	0.87	
			835	40.0	0.88	
		Measured	815	40.8	0.86	22.7
			825	40.7	0.87	
			835	40.5	0.88	
		Recommended Limits	835	41.5	0.90	N/A
1800	Head	Measured	1710	38.5	1.34	22.6
			1750	38.4	1.38	
			1800	38.2	1.42	
		Measured	1710	39.5	1.33	22.8
			1750	39.4	1.37	
			1800	39.2	1.42	
		Recommended Limits	1800	40.0	1.40	N/A
1900	Head	Measured	1850	38.2	1.36	22.6
			1900	38.1	1.41	
			1910	38.0	1.43	
		Recommended Limits	1900	40.0	1.40	N/A

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SAR Test Data:

Measured SAR Values - Head - WCDMA FDD V 850 MHz							
Channel	Freq. (MHz)	Position	1 g SAR (W/kg)	% delta from Closed Loop	Scan #	Comments	Hotspot Coordinates (x, y, z) mm
4182	836.4	Left Cheek	0.42	0.00	1	Closed Loop	66.25, 275.1, -173.9
4182	836.4	Left Cheek	0.40	-4.76	2	Cap 1= Max C, Cap 2= Max C	65.81, 273.7, -172.6
4182	836.4	Left Cheek	0.41	-2.38	3	Cap 1= Max C, Cap 2= Min C	65.47, 275.7, -174.5
4182	836.4	Left Cheek	0.42	0.00	4	Cap 1= Mid C, Cap 2= Mid C	66.75, 274.9, -174.2
4182	836.4	Left Cheek	0.39	-7.14	5	Cap 1= Min C, Cap 2= Max C	66.77, 274.9, -174.2
4182	836.1	Left Cheek	0.24	-42.86	6	Cap 1= Min C, Cap 2= Min C	66.75, 274.9, -174.1

Measured SAR Values - Head - WCDMA FDD V 850 MHz						
Channel	Freq. (MHz)	Position	Declared Conducted power (dBm)	Measured Conducted power (dBm)	Measured 1 g SAR (W/kg)	Extrapolated 1 g SAR (W/kg)
4182	836.4	Left Cheek	23.50	23.20	0.42	0.45
4182	836.4	Left Cheek	23.50	23.20	0.40	0.43
4182	836.4	Left Cheek	23.50	23.20	0.41	0.44
4182	836.4	Left Cheek	23.50	23.20	0.42	0.45
4182	836.4	Left Cheek	23.50	23.20	0.39	0.42
4182	836.1	Left Cheek	23.50	23.20	0.24	0.26

Device Model	Data taken on model RFW121LW. Due to same design and antennas, data will be the same in the reports for RFY111LW and RFW121LW
Hardware Rev. #	2
Software Bundle #	10.2.0.519
Date	09/14/2013

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Measured SAR Values - Head - UMTS band IV 1800 MHz							
Channel	Freq. (MHz)	Position	1 g SAR (W/kg)	% delta from	Scan #	Comments	Hotspot coordinates (x,y,z) mm
1413	1732.6	Left Cheek	0.62	0.00	1	Closed Loop	69.06, 258.6, -171.6
1413	1732.6	Left Cheek	0.27	-56.45	2	Cap 1= Min C, Cap 2= Max C	69.06, 258.6, -171.6

Measured SAR Values - Head - WCDMA FDD IV 1800 MHz						
Channel	Freq. (MHz)	Position	Declared Conducted power (dBm)	Measured Conducted power (dBm)	Measured 1 g SAR (W/kg)	Extrapolated 1 g SAR (W/kg)
1413	1732.6	Left Cheek	23.00	23.00	0.62	0.62
1413	1732.6	Left Cheek	23.00	23.00	0.27	0.27

Model	RFY111LW
Hardware Rev. #	2
Software Bundle #	10.2.0.519
Date	09/16/2013

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Measured SAR values - Head - WCDMA FDD II 1900 MHz							
Channel	Freq. (MHz)	Position	1 g SAR (W/kg)	% delta from Closed Loop	Scan #	Comments	Hotspot Coordinates (x, y, z) mm
9400	1880.0	Left Cheek	0.67	0.00	1	Closed Loop	64.31, 253.9. -170.5
9400	1880.0	Left Cheek	0.60	-10.45	2	Cap 1= Max C, Cap 2= Max C	64.31, 253.9, -170.5
9400	1880.0	Left Cheek	0.67	0.00	3	Cap 1= Max C, Cap 2= Mid C	64.31, 253.9, -170.6
9400	1880.0	Left Cheek	0.65	-2.99	4	Cap 1= Max C, Cap 2= Min C	64.99, 255.2, -170.4
9400	1880.0	Left Cheek	0.66	-1.49	5	Cap 1= Mid C, Cap 2= Max C	64.98, 255.2, -170.4
9400	1880.0	Left Cheek	0.65	-2.99	6	Cap 1= Mid C, Cap 2= Mid C	64.99, 255.2, -170.5
9400	1880.0	Left Cheek	0.63	-5.97	7	Cap 1 = Mid C, Cap 2= Min C	65.02, 255.2, -170.6
9400	1880.0	Left Cheek	0.49	-26.87	8	Cap 1= Min C, Cap 2= Max C	64.32, 253.9, -170.5
9400	1880.0	Left Cheek	0.57	-14.93	9	Cap 1= Min C, Cap 2= Mid C	64.32, 253.9, -170.5
9400	1880.0	Left Cheek	0.63	-5.97	10	Cap 1= Min C, Cap 2= Min C	63.79, 255.9, -170.9

Measured SAR Values - Head - WCDMA FDD II 1900 MHz						
Channel	Freq. (MHz)	Position	Declared Conducted power (dBm)	Measured Conducted power (dBm)	Measured 1 g SAR (W/kg)	Extrapolated 1 g SAR (W/kg)
9400	1880.0	Left Cheek	23.00	22.60	0.67	0.73
9400	1880.0	Left Cheek	23.00	22.60	0.60	0.66
9400	1880.0	Left Cheek	23.00	22.60	0.67	0.73
9400	1880.0	Left Cheek	23.00	22.60	0.65	0.71
9400	1880.0	Left Cheek	23.00	22.60	0.66	0.72
9400	1880.0	Left Cheek	23.00	22.60	0.65	0.71
9400	1880.0	Left Cheek	23.00	22.60	0.63	0.69
9400	1880.0	Left Cheek	23.00	22.60	0.49	0.54
9400	1880.0	Left Cheek	23.00	22.60	0.57	0.62
9400	1880.0	Left Cheek	23.00	22.60	0.63	0.69

Device Model	Data taken on model RFW121LW. Due to same design and antennas, data will be the same in the reports for RFY111LW and RFW121LW.
Hardware Rev. #	2
Software Bundle #	10.2.0.519
Date	09/12/2013

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Measured SAR Values - Head - LTE Band 5 835 MHz (10 MHz BW)										
Channel	Freq. (MHz)	Position	Mod.	RB #	OFFSET	1 g SAR (W/kg)	% delta from	Scan #	Comments	Hotspot coordinates (x,y,z) mm
20450	829.0	Left Cheek	QPSK	1	49	0.39	0.00	1	Closed Loop	65.55, 267.4, -172.1
20450	829.0	Left Cheek	QPSK	1	49	0.21	-46.15	2	Cap 1= Min C, Cap 2= Min C	66.77, 266.7, -171.6

Measured SAR Values - Head - LTE Band 5 835 MHz (10 MHz BW)									
Channel	Freq. (MHz)	Position	Mod.	RB #	OFFSET	Declared Conducted power (dBm)	Measured Conducted power (dBm)	Measured 1 g SAR (W/kg)	Extrapolated 1 g SAR (W/kg)
20450	829.0	Left Cheek	QPSK	1	49	24	23.60	0.39	0.43
20450	829.0	Left Cheek	QPSK	1	49	24	23.60	0.21	0.23

Model	RFY111LW
Hardware Rev. #	2
Software Bundle #	10.2.0.519
Date	09/16/2013

Measured SAR Values - Head - LTE Band 4 1800 MHz (20 MHz BW)										
Channel	Freq. (MHz)	Position	Mod.	RB #	OFFSET	1 g SAR (W/kg)	% delta from	Scan #	Comments	Hotspot coordinates (x,y,z) mm
20300	1745.0	Left Cheek	QPSK	1	50	0.60	0.00	1	Closed Loop	70.35, 257.8, -171.3
20300	1745.0	Left Cheek	QPSK	1	50	0.48	-20.00	2	Cap 1= Max C, Cap 2= Max C	68.35, 257.2, -171.8
20300	1745.0	Left Cheek	QPSK	1	50	0.59	-1.67	3	Cap 1= Max C, Cap 2= Min C	69.62, 256.5, -171.4
20300	1745.0	Left Cheek	QPSK	1	50	0.53	-11.67	4	Cap 1= Mid C, Cap 2= Mid C	68.36, 257.2, -171.8
20300	1745.0	Left Cheek	QPSK	1	50	0.27	-55.00	5	Cap 1= Min C, Cap 2= Max C	68.34, 257.2, -171.7
20300	1745.0	Left Cheek	QPSK	1	50	0.37	-38.33	6	Cap 1= Min C, Cap 2= Min C	69.6, 256.5, -171.3

Measured SAR Values - Head - LTE Band 4 1800 MHz (20 MHz BW)									
Channel	Freq. (MHz)	Position	Mod.	RB #	OFFSET	Declared Conducted power (dBm)	Measured Conducted power (dBm)	Measured 1 g SAR (W/kg)	Extrapolated 1 g SAR (W/kg)
20300	1745.0	Left Cheek	QPSK	1	50	22.5	22.40	0.60	0.61
20300	1745.0	Left Cheek	QPSK	1	50	22.5	22.40	0.48	0.49
20300	1745.0	Left Cheek	QPSK	1	50	22.5	22.40	0.59	0.60
20300	1745.0	Left Cheek	QPSK	1	50	22.5	22.40	0.53	0.54
20300	1745.0	Left Cheek	QPSK	1	50	22.5	22.40	0.27	0.28
20300	1745.0	Left Cheek	QPSK	1	50	22.5	22.40	0.37	0.38

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Model	RFY111LW
Hardware Rev. #	2
Software Bundle #	10.2.0.519
Date	09/12/2013

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SAR Plots:

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Date/Time: 9/11/2013 12:57:02 AM

Test Laboratory: RIM Testing Services
DipoleValidation_835MHz_09_11_13_Amb_Tem_24.0C_Liq_Tem_22.9C
DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:446
Communication System: UID 0 - n/a, CW; Frequency: 835 MHz
Medium parameters used: f = 835 MHz; σ = 0.876 S/m; ε_r = 40.009; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.19, 6.19, 6.19); Calibrated: 1/10/2013;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.6(1115); SEMCAD X 14.6.9(7117)

Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 10.1 W/kg

Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 110.8 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 13.1 W/kg
SAR(1 g) = 8.83 W/kg; SAR(10 g) = 5.79 W/kg
Maximum value of SAR (measured) = 10.3 W/kg

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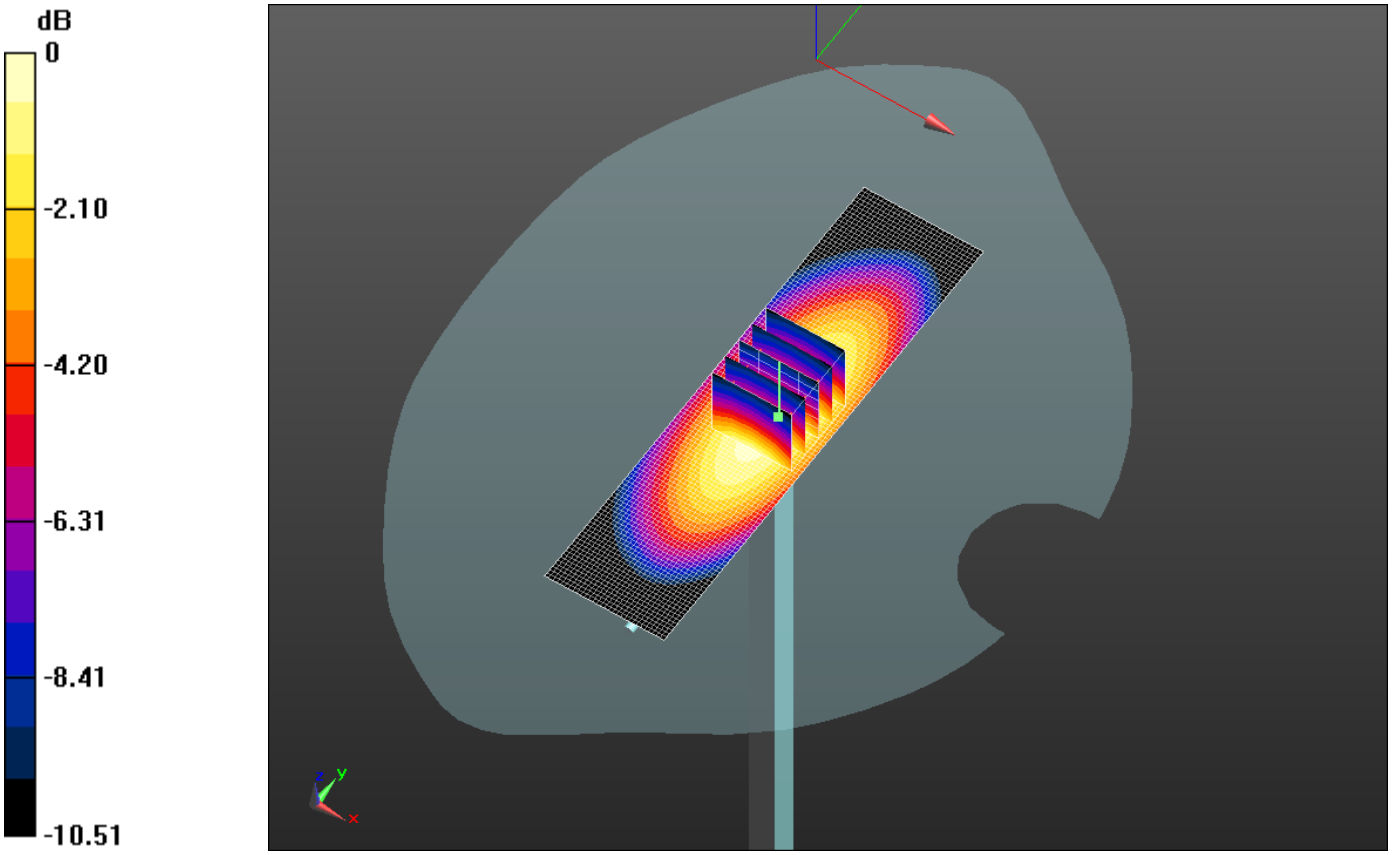

0 dB = 10.3 W/kg = 10.13 dBW/kg

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Test Laboratory: RIM Testing Services

DipoleValidation_835MHz_09_16_13_Amb_Tem_24.3C_Liq_Tem_22.7C

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:446

Communication System: UID 0 - n/a, CW; Frequency: 835 MHz

Medium parameters used: f = 835 MHz; σ = 0.879 S/m; ε_r = 40.51; ρ = 1000 kg/m^3

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.19, 6.19, 6.19); Calibrated: 1/10/2013;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.6(1115); SEMCAD X 14.6.9(7117)

Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 10.3 W/kg

Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 112.3 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 13.2 W/kg

SAR(1 g) = 8.96 W/kg; SAR(10 g) = 5.87 W/kg

Maximum value of SAR (measured) = 10.5 W/kg

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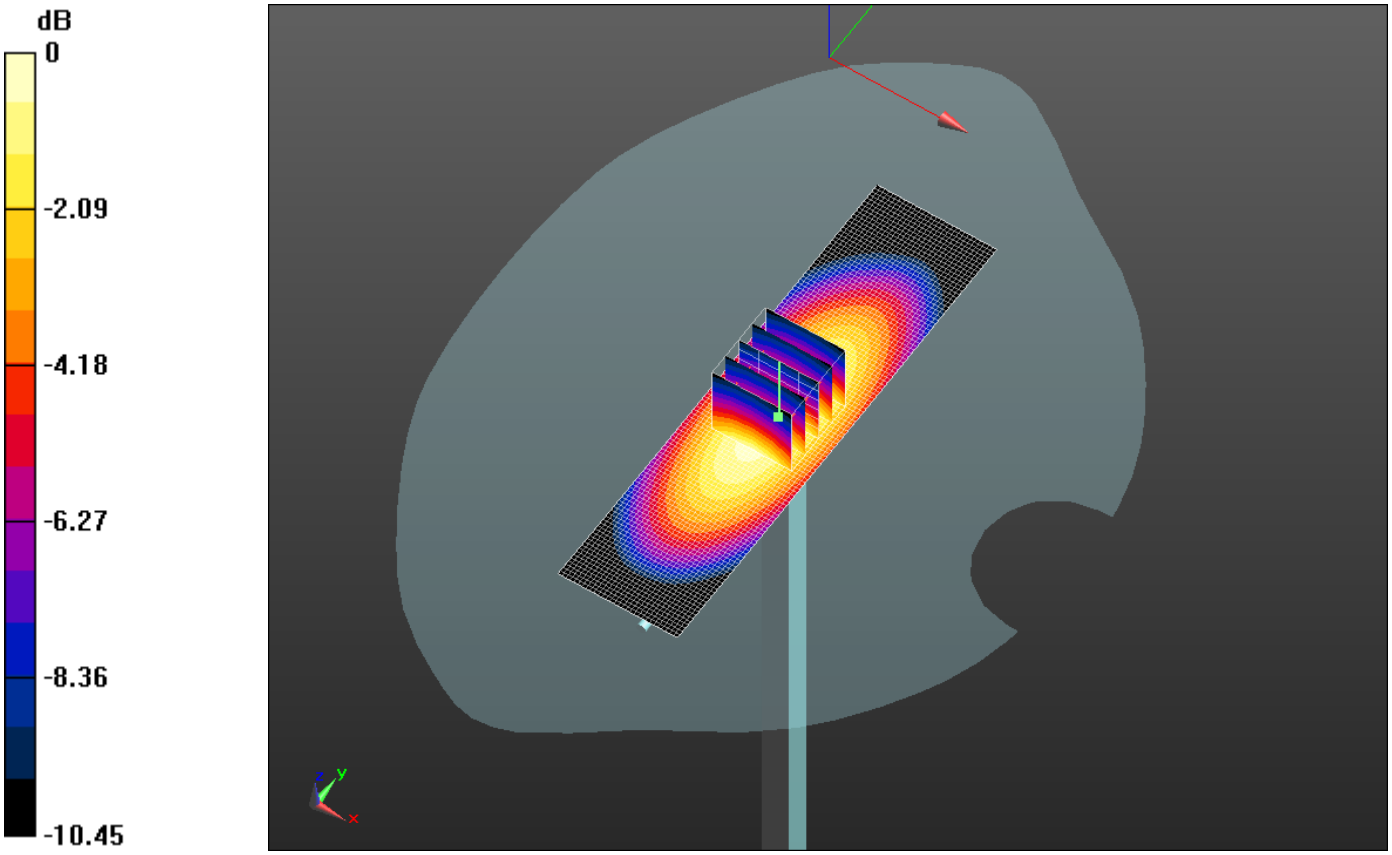

0 dB = 10.5 W/kg = 10.21 dBW/kg

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Date/Time: 9/12/2013 7:13:54 PM

Test Laboratory: RIM Testing Services
DipoleValidation_1800MHz_09_12_13_Amb_Tem_23.5_Liq_Tem_22.6C
DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d020
Communication System: UID 0 - n/a, CW; Frequency: 1800 MHz
Medium parameters used: f = 1800 MHz; σ = 1.424 S/m; ε_r = 38.159; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.35, 5.35, 5.35); Calibrated: 1/10/2013;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X 14.6.9(7117)

Configuration/d=10mm, Pin=1000mW/Area Scan (31x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 44.8 W/kg

Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 185.9 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 64.6 W/kg
SAR(1 g) = 35.7 W/kg; SAR(10 g) = 18.6 W/kg
Maximum value of SAR (measured) = 45.6 W/kg

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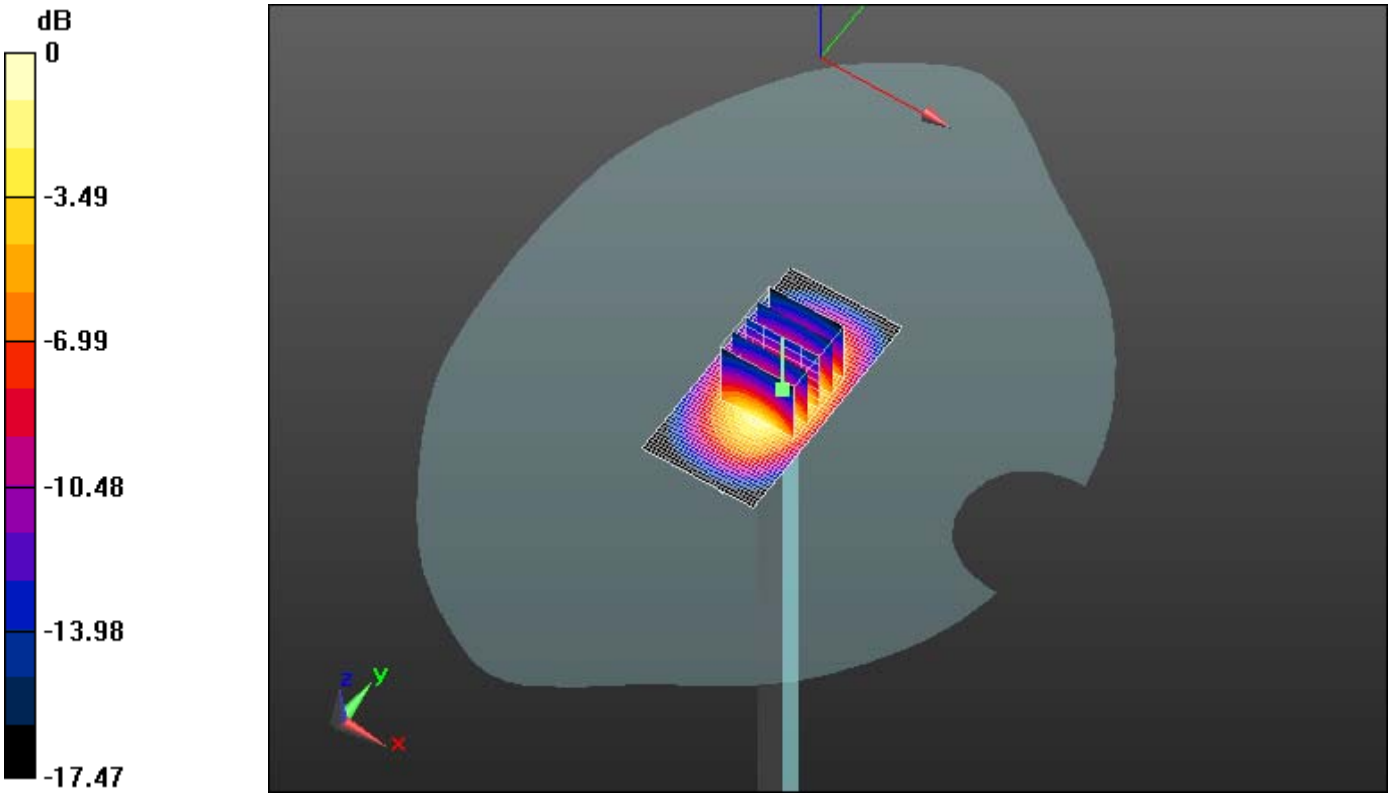

0 dB = 45.6 W/kg = 16.59 dBW/kg

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Date/Time: 9/16/2013 12:29:23 PM
Test Laboratory: RIM Testing Services
DipoleValidation_1800MHz_09_16_13_Amb_Tem_23.9_Liq_Tem_22.8C
DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d020
Communication System: UID 0 - n/a, CW; Frequency: 1800 MHz
Medium parameters used: f = 1800 MHz; σ = 1.423 S/m; ε_r = 39.176; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.35, 5.35, 5.35); Calibrated: 1/10/2013;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X 14.6.9(7117)

Configuration/d=10mm, Pin=1000mW/Area Scan (31x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 46.1 W/kg

Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 188.6 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 65.7 W/kg
SAR(1 g) = 36.4 W/kg; SAR(10 g) = 19 W/kg
Maximum value of SAR (measured) = 46.5 W/kg

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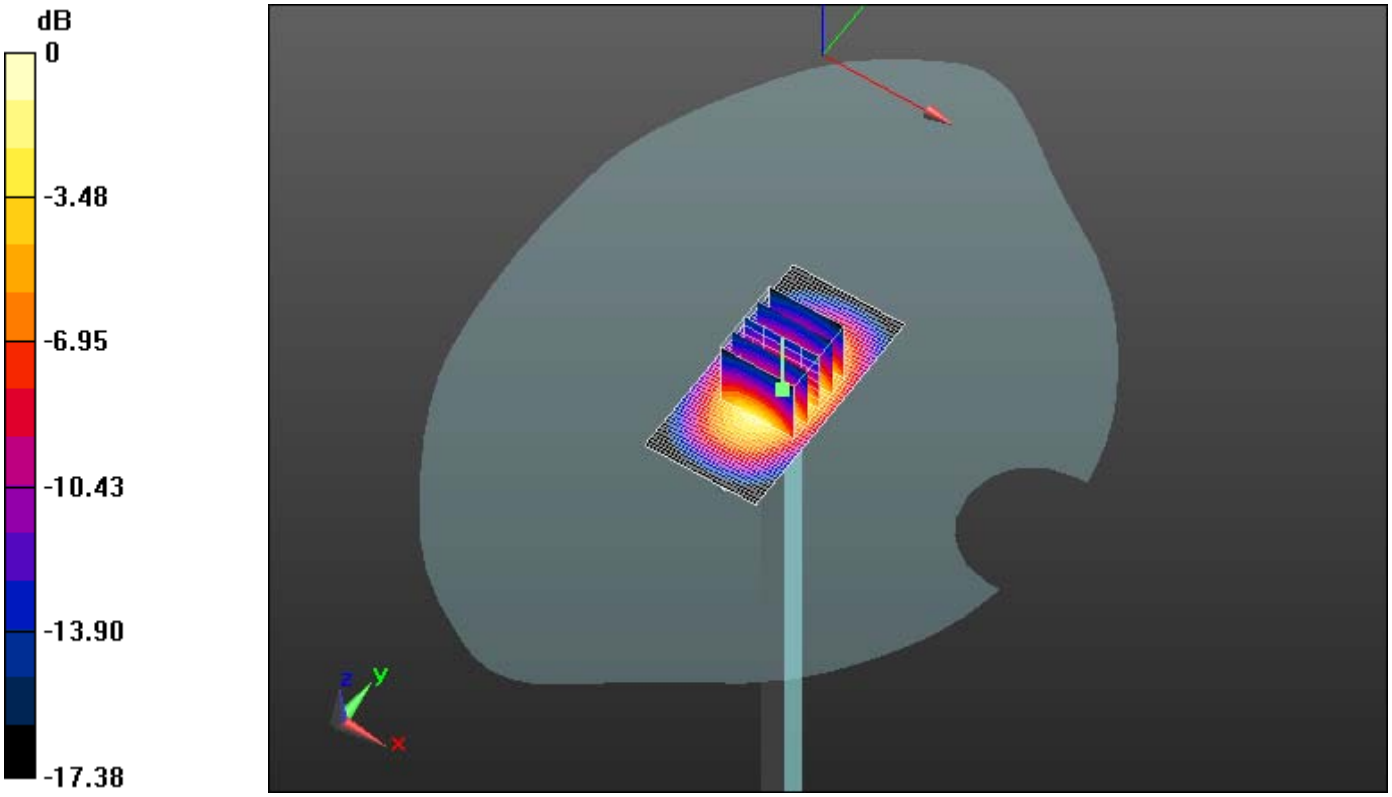

0 dB = 46.5 W/kg = 16.67 dBW/kg

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Date/Time: 9/10/2013 7:40:24 PM

Test Laboratory: RIM Testing Services
DipoleValidation_1900MHz_09_10_13_Amb_Tem_22.9C_Liq_Tem_22.6C
DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:545
Communication System: UID 0 - n/a, CW; Frequency: 1900 MHz
Medium parameters used: f = 1900 MHz; σ = 1.412 S/m; ε_r = 38.067; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.35, 5.35, 5.35); Calibrated: 1/10/2013;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.6(1115); SEMCAD X 14.6.9(7117)

Configuration/d=10mm, Pin=1000mW/Area Scan (31x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 49.5 W/kg

Configuration/d=10mm, Pin=1000mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 193.3 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 68.8 W/kg
SAR(1 g) = 38.6 W/kg; SAR(10 g) = 20.3 W/kg
Maximum value of SAR (measured) = 48.6 W/kg

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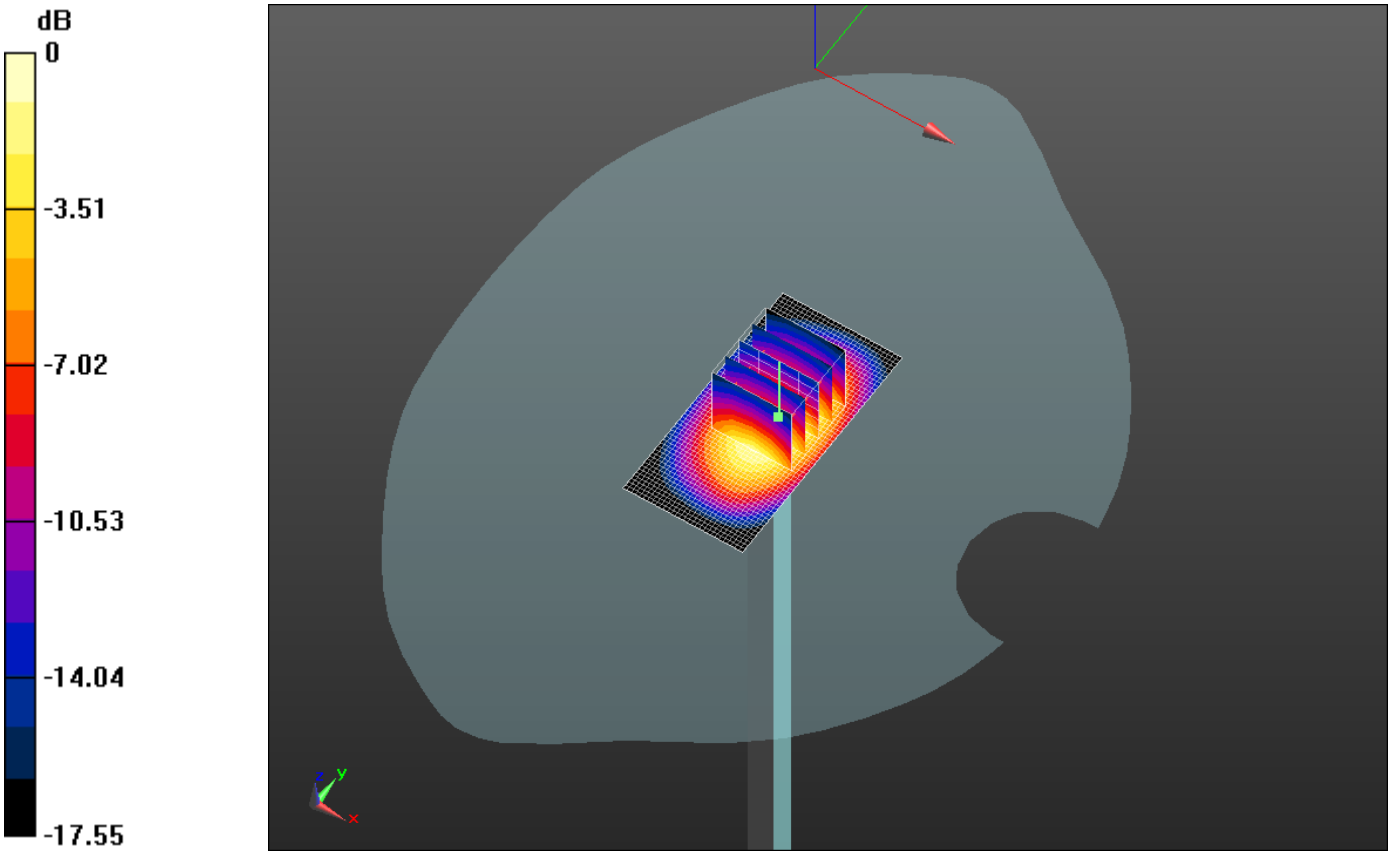

0 dB = 48.6 W/kg = 16.87 dBW/kg

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Date: 9/14/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFFE461

Configuration: Left-Hand-Side HSL - UMTS V

Communication System: WCDMA FDD V; Communication System Band: UMTS band V;
Frequency: 836.4 MHz, Communication System PAR: 0 dB; PMF: 1.07029; Duty Cycle: 1:1
Medium Parameters used: f=836.4 MHz; σ = 0.877 S/m; ε_r = 39.993; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (6.19,6.19,6.19); Calibrated: 1/10/2013;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Left-Hand-Side HSL - UMTS V/Touch Position - UMTS_V_chan4182_Scan#1_amb_temp_23.0C_liq_temp_22.0C/Area Scan (61x101x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.453 W/kg

Left-Hand-Side HSL - UMTS V/Touch Position - UMTS_V_chan4182_Scan#1_amb_temp_23.0C_liq_temp_22.0C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.863 V/m; Power Drift = -0.221 dB

Averaged SAR: SAR(1g) = 0.415 W/kg; SAR(10g) = 0.316 W/kg
Maximum value of SAR (interpolated) = 0.515 W/kg

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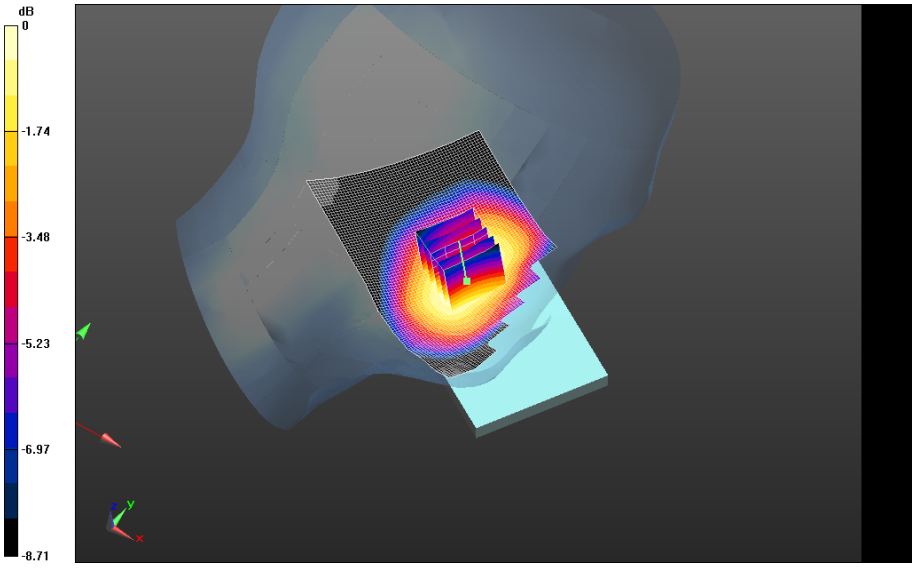

0 dB = 0.452 W/kg = -3.45 dBW/kg

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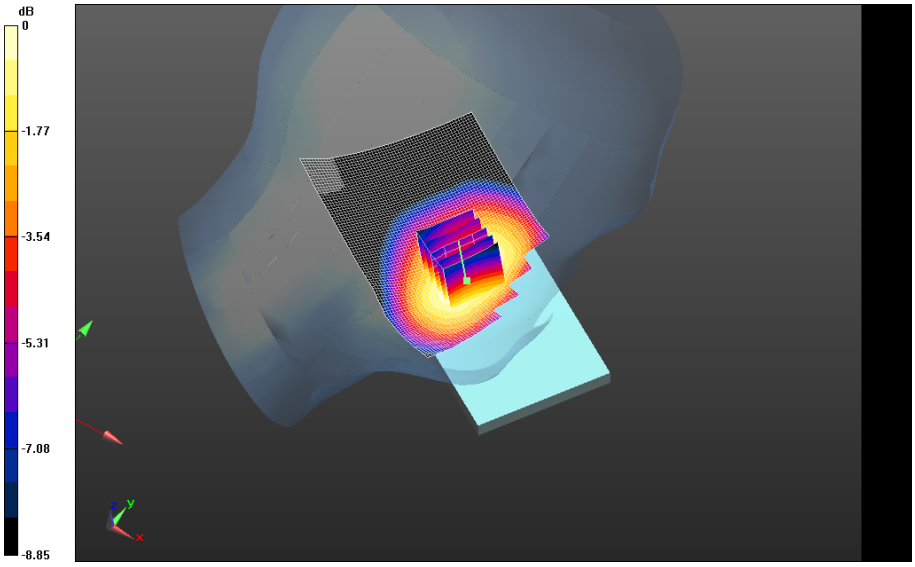
Left-Hand-Side HSL - UMTS V/Touch Position - UMTS_V_chan4182_Scan#2_amb_temp_23.2C_liq_temp_21.9C/Area Scan (61x91x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.434 W/kg

Left-Hand-Side HSL - UMTS V/Touch Position - UMTS_V_chan4182_Scan#2_amb_temp_23.2C_liq_temp_21.9C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.846 V/m; Power Drift = 0.056 dB

Averaged SAR: SAR(1g) = 0.404 W/kg; SAR(10g) = 0.309 W/kg
Maximum value of SAR (interpolated) = 0.512 W/kg



0 dB = 0.452 W/kg = -3.45 dBW/kg

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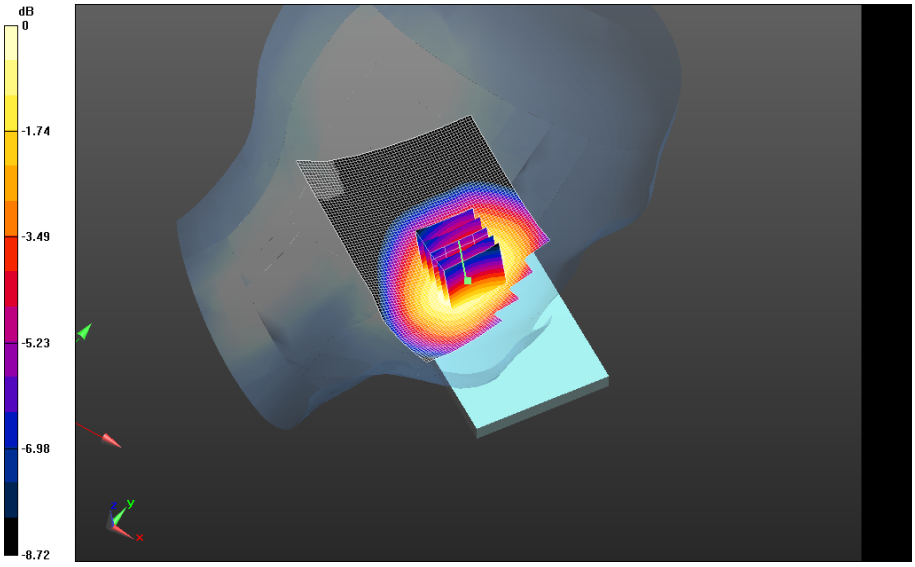
Left-Hand-Side HSL - UMTS V/Touch Position - UMTS_V_chan4182_Scan#3_amb_temp_23.0C_liq_temp_22.0C/Area Scan (61x91x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.445 W/kg

Left-Hand-Side HSL - UMTS V/Touch Position - UMTS_V_chan4182_Scan#3_amb_temp_23.0C_liq_temp_22.0C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.634 V/m; Power Drift = 0.316 dB

Averaged SAR: SAR(1g) = 0.409 W/kg; SAR(10g) = 0.312 W/kg
Maximum value of SAR (interpolated) = 0.512 W/kg



0 dB = 0.444 W/kg = -3.53 dBW/kg

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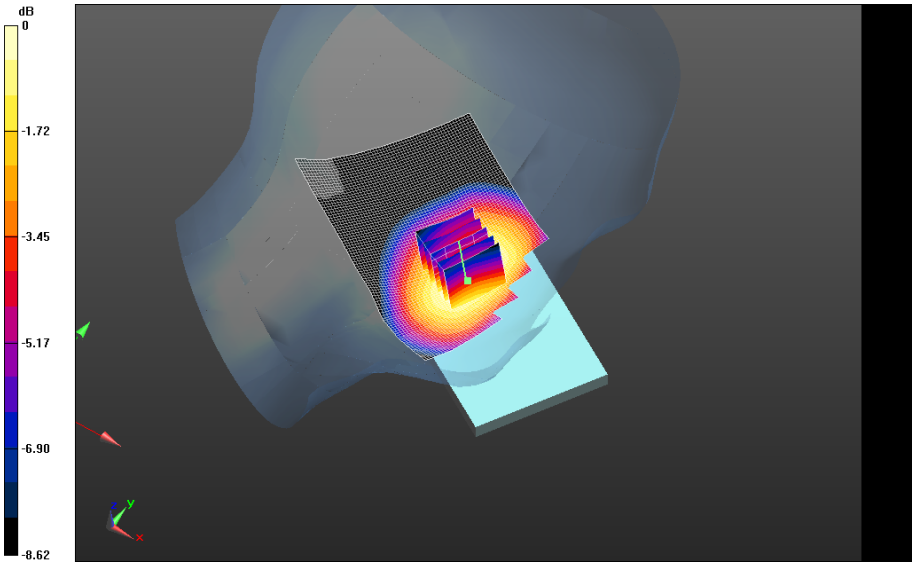
Left-Hand-Side HSL - UMTS V/Touch Position - UMTS_V_chan4182_Scan#4_amb_temp_22.8C_liq_temp_22.0C/Area Scan (61x91x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.447 W/kg

Left-Hand-Side HSL - UMTS V/Touch Position - UMTS_V_chan4182_Scan#4_amb_temp_22.8C_liq_temp_22.0C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.155 V/m; Power Drift = -0.092 dB

Averaged SAR: SAR(1g) = 0.416 W/kg; SAR(10g) = 0.317 W/kg
Maximum value of SAR (interpolated) = 0.518 W/kg



0 dB = 0.452 W/kg = -3.45 dBW/kg

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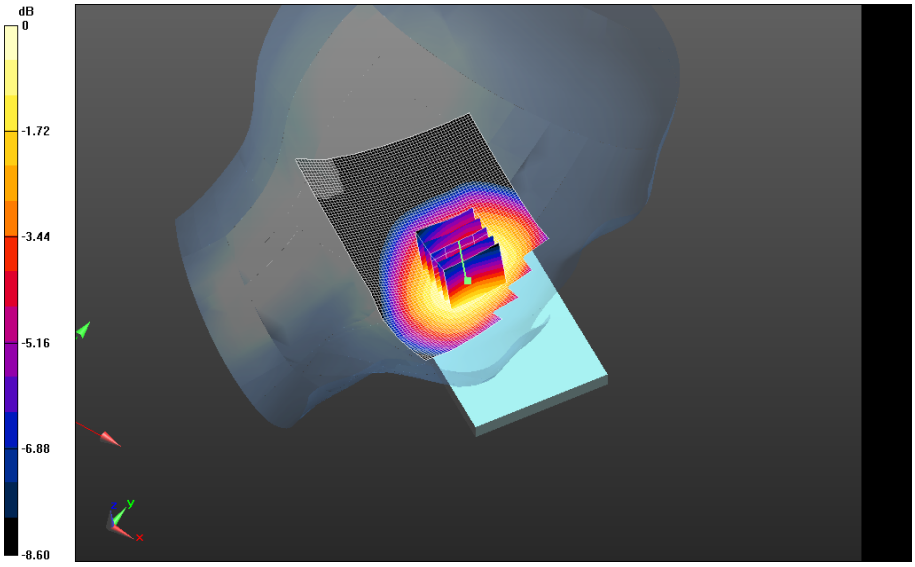
Left-Hand-Side HSL - UMTS V/Touch Position - UMTS_V_chan4182_Scan#5_amb_temp_22.8C_liq_temp_22.0C/Area Scan (61x91x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.421 W/kg

Left-Hand-Side HSL - UMTS V/Touch Position - UMTS_V_chan4182_Scan#5_amb_temp_22.8C_liq_temp_22.0C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.236 V/m; Power Drift = -0.00493 dB

Averaged SAR: SAR(1g) = 0.389 W/kg; SAR(10g) = 0.297 W/kg
Maximum value of SAR (interpolated) = 0.483 W/kg



0 dB = 0.456 W/kg = -3.41 dBW/kg

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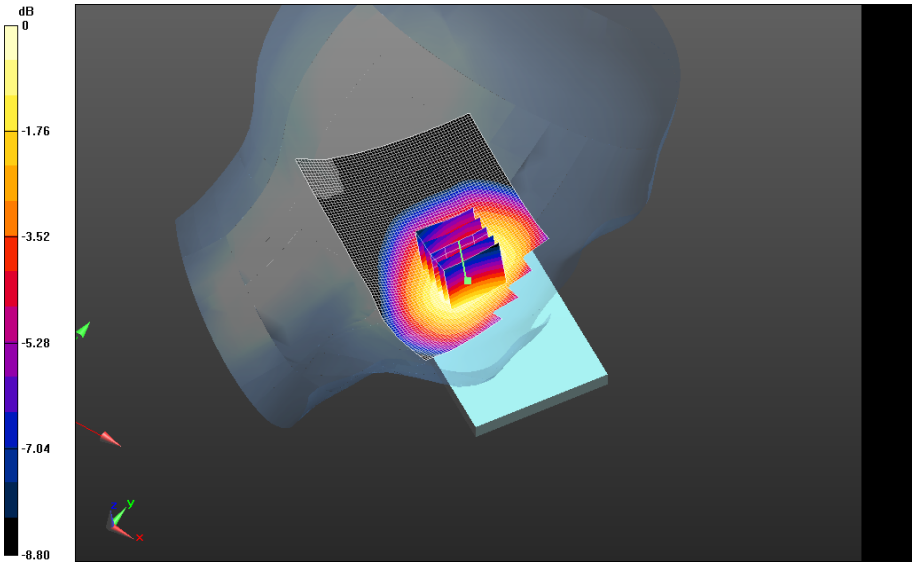
Left-Hand-Side HSL - UMTS V/Touch Position - UMTS_V_chan4182_Scan#6_amb_temp_22.8C_liq_temp_22.0C/Area Scan (61x91x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.263 W/kg

Left-Hand-Side HSL - UMTS V/Touch Position - UMTS_V_chan4182_Scan#6_amb_temp_22.8C_liq_temp_22.0C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 5.195 V/m; Power Drift = 0.170 dB

Averaged SAR: SAR(1g) = 0.244 W/kg; SAR(10g) = 0.185 W/kg
Maximum value of SAR (interpolated) = 0.305 W/kg



0 dB = 0.426 W/kg = -3.71 dBW/kg

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Date: 9/16/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFFE4E2

Configuration: Left-Hand-Side HSL - UMTS band IV

Communication System: WCDMA FDD IV; Communication System Band: UMTS band IV; Frequency: 1732.6 MHz
Medium Parameters used: f=1732.6 MHz; σ = 1.358 S/m; ε_r = 39.464; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (5.35,5.35,5.35); Calibrated: 1/10/2013;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Left-Hand-Side HSL - UMTS band IV/Touch Position - UMTS band IV_chan1413_Scan#1_amb_temp_23.7C_liq_temp_22.8C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.743 W/kg

Left-Hand-Side HSL - UMTS band IV/Touch Position - UMTS band IV_chan1413_Scan#1_amb_temp_23.7C_liq_temp_22.8C/Zoom Scan (21x21x36)/Cube 0:
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 7.183 V/m; **Power Drift = -0.100 dB**

Averaged SAR: SAR(1g) = 0.617 W/kg; SAR(10g) = 0.389 W/kg
Maximum value of SAR (interpolated) = 0.917 W/kg

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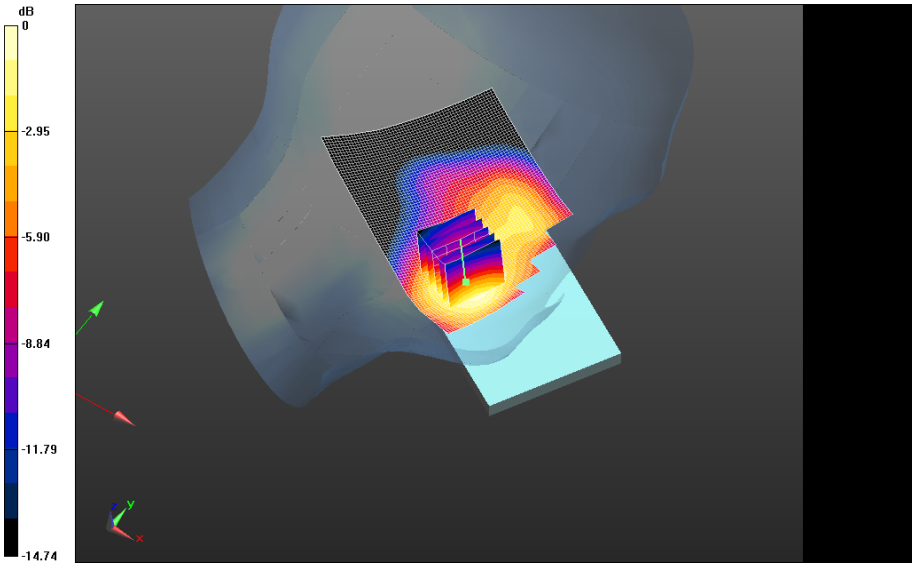

0 dB = 0.711 W/kg = -1.48 dBW/kg

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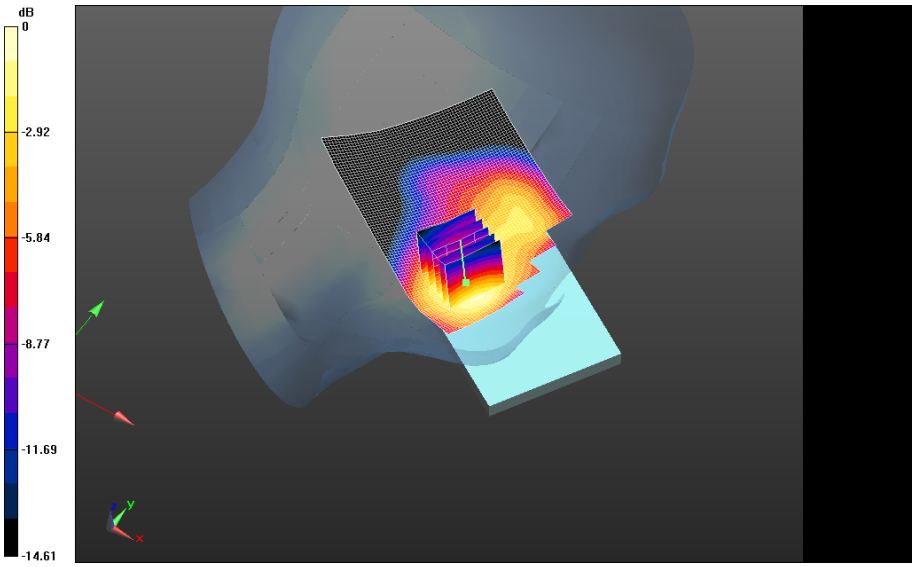
Left-Hand-Side HSL - UMTS band IV/Touch Position - UMTS band IV_chan 1413_Scan#2_amb_temp_24.4C_liq_temp_22.9C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.321 W/kg

Left-Hand-Side HSL - UMTS band IV/Touch Position - UMTS band IV_chan 1413_Scan#2_amb_temp_24.4C_liq_temp_22.9C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 4.791 V/m; **Power Drift = 0.064 dB**

Averaged SAR: SAR(1g) = 0.267 W/kg; SAR(10g) = 0.169 W/kg
Maximum value of SAR (interpolated) = 0.398 W/kg



0 dB = 0.711 W/kg = -1.48 dBW/kg

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Date: 9/12/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFFE461

Configuration: Left-Hand-Side HSL - UMTS II

Communication System: WCDMA FDD II; Communication System Band: UMTS FDD II; Frequency: 1880 MHz
Medium Parameters used: f=1880 MHz; σ = 1.391 S/m; ε_r = 38.121; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (5.35,5.35,5.35); Calibrated: 1/10/2013;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Left-Hand-Side HSL - UMTS II/Touch Position - UMTS_II_chan9400_Scan#1_amb_temp_23.0C_liq_temp_22.0C/Area Scan (61x91x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.798 W/kg

Left-Hand-Side HSL - UMTS II/Touch Position - UMTS_II_chan9400_Scan#1_amb_temp_23.0C_liq_temp_22.0C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.380 V/m; **Power Drift = -0.055 dB**

Averaged SAR: SAR(1g) = 0.672 W/kg; SAR(10g) = 0.406 W/kg
Maximum value of SAR (interpolated) = 1.03 W/kg

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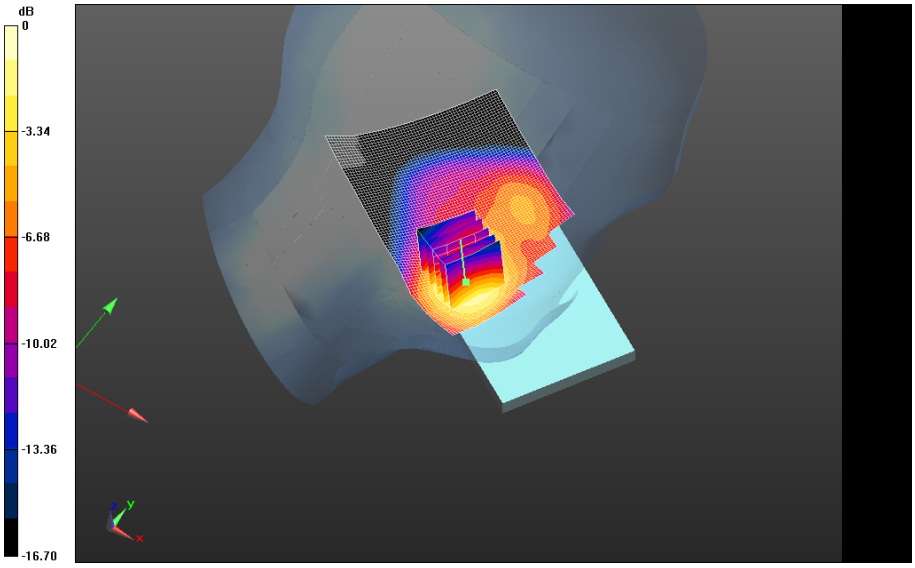

0 dB = 0.804 W/kg = -0.95 dBW/kg

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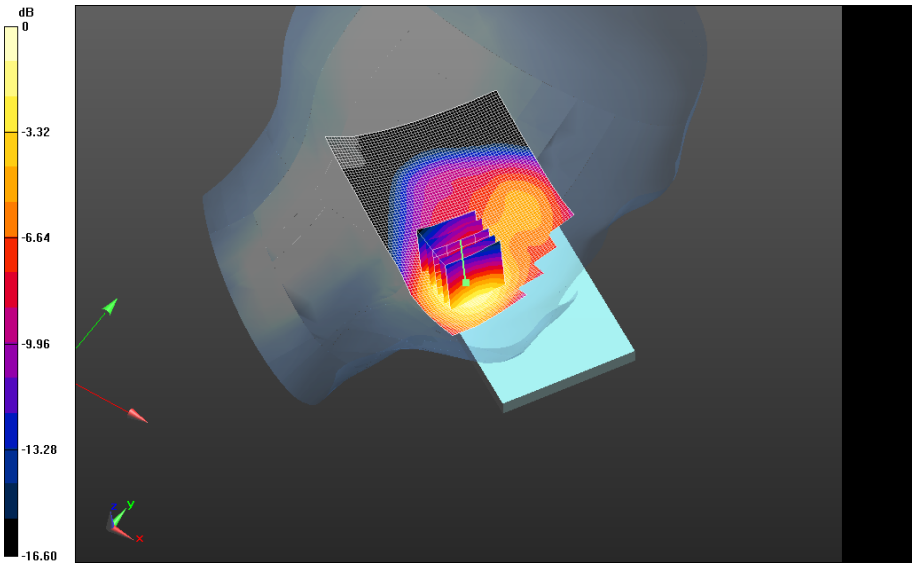
Left-Hand-Side HSL - UMTS II/Touch Position - UMTS_II_chan9400_Scan#2__amb_temp_23.2C_liq_temp_21.9C/Area Scan (61x91x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.719 W/kg

Left-Hand-Side HSL - UMTS II/Touch Position - UMTS_II_chan9400_Scan#2__amb_temp_23.2C_liq_temp_21.9C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.476 V/m; **Power Drift = -0.032 dB**

Averaged SAR: SAR(1g) = 0.601 W/kg; SAR(10g) = 0.366 W/kg
Maximum value of SAR (interpolated) = 0.911 W/kg



0 dB = 0.804 W/kg = -0.95 dBW/kg

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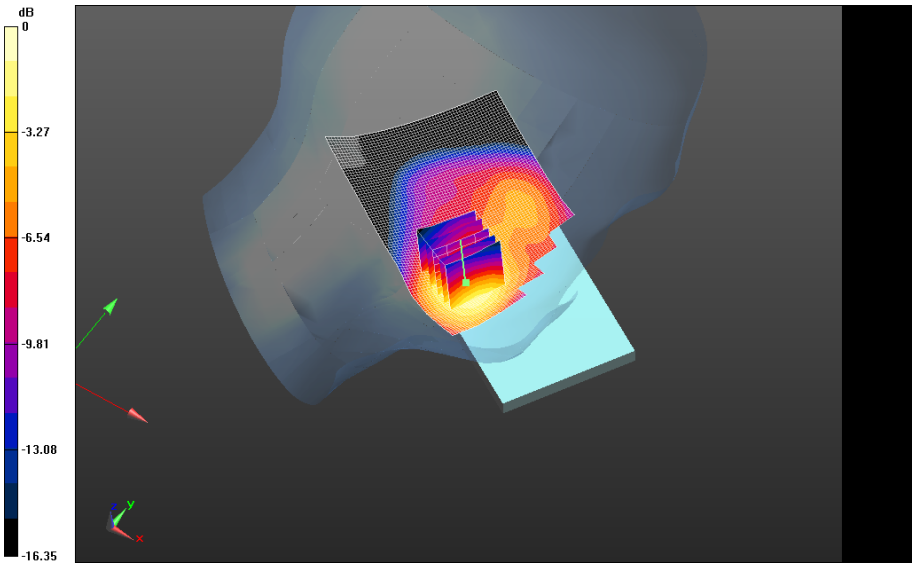
Left-Hand-Side HSL - UMTS II/Touch Position - UMTS_II_chan9400_Scan#3_amb_temp_23.0C_liq_temp_22.0C/Area Scan (61x91x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.820 W/kg

Left-Hand-Side HSL - UMTS II/Touch Position - UMTS_II_chan9400_Scan#3_amb_temp_23.0C_liq_temp_22.0C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.895 V/m; **Power Drift = 0.053 dB**

Averaged SAR: SAR(1g) = 0.670 W/kg; SAR(10g) = 0.411 W/kg
Maximum value of SAR (interpolated) = 1.01 W/kg



0 dB = 0.721 W/kg = -1.42 dBW/kg

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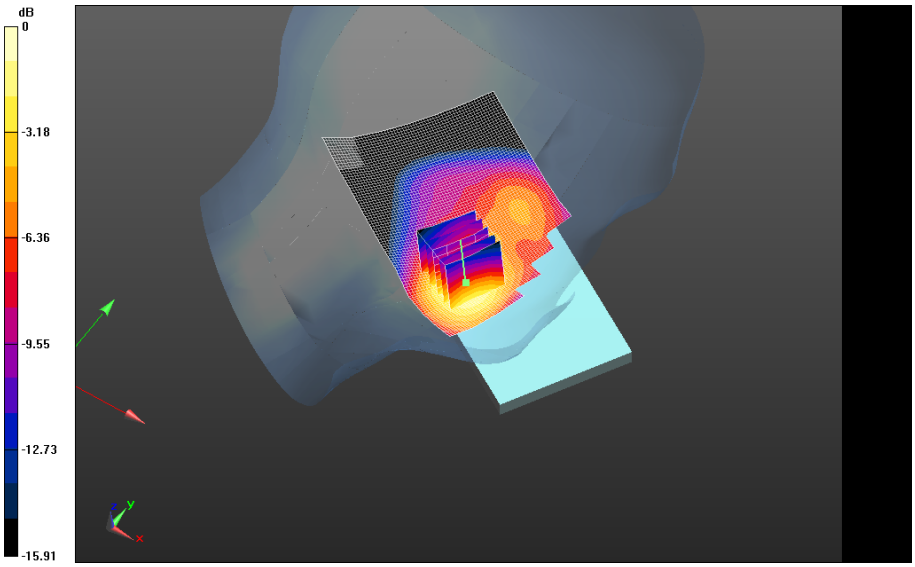
Left-Hand-Side HSL - UMTS II/Touch Position - UMTS_II_chan9400_Scan#4_amb_temp_22.8C_liq_temp_22.0C/Area Scan (61x91x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.780 W/kg

Left-Hand-Side HSL - UMTS II/Touch Position - UMTS_II_chan9400_Scan#4_amb_temp_22.8C_liq_temp_22.0C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.377 V/m; **Power Drift = 0.112 dB**

Averaged SAR: SAR(1g) = 0.648 W/kg; SAR(10g) = 0.395 W/kg
Maximum value of SAR (interpolated) = 0.988 W/kg



0 dB = 0.796 W/kg = -0.99 dBW/kg

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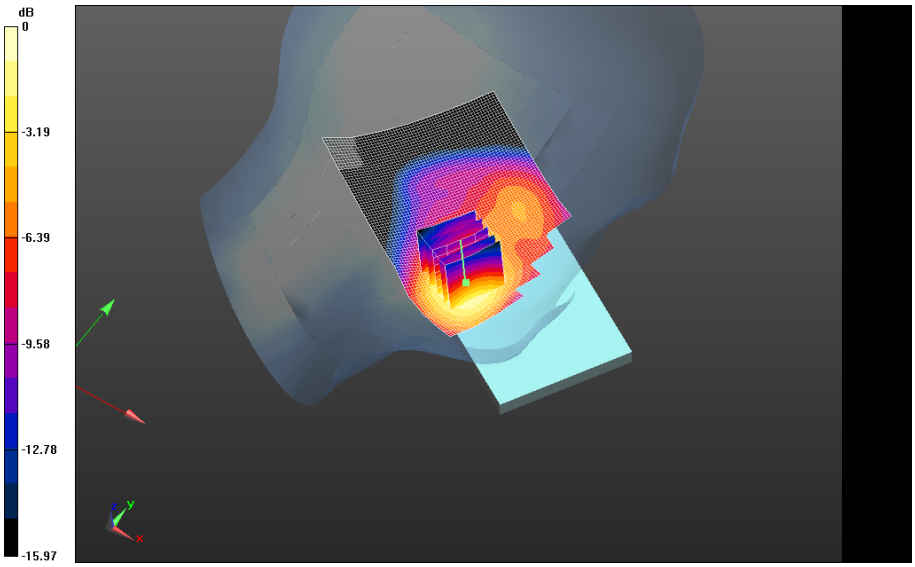
Left-Hand-Side HSL - UMTS II/Touch Position - UMTS_II_chan9400_Scan#5_amb_temp_23.4C_liq_temp_22.0C/Area Scan (61x91x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.816 W/kg

Left-Hand-Side HSL - UMTS II/Touch Position - UMTS_II_chan9400_Scan#5_amb_temp_23.4C_liq_temp_22.0C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.817 V/m; **Power Drift = 0.021 dB**

Averaged SAR: SAR(1g) = 0.662 W/kg; SAR(10g) = 0.404 W/kg
Maximum value of SAR (interpolated) = 0.998 W/kg



0 dB = 0.765 W/kg = -1.16 dBW/kg

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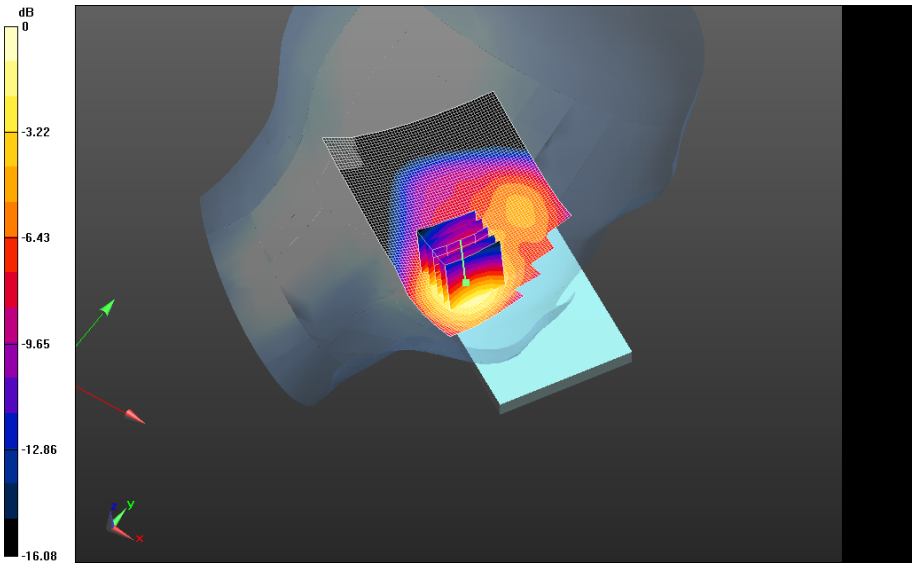
Left-Hand-Side HSL - UMTS II/Touch Position - UMTS_II_chan9400_Scan#6_amb_temp_22.8C_liq_temp_21.9C/Area Scan (61x91x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.797 W/kg

Left-Hand-Side HSL - UMTS II/Touch Position - UMTS_II_chan9400_Scan#6_amb_temp_22.8C_liq_temp_21.9C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.569 V/m; **Power Drift = -0.085 dB**

Averaged SAR: SAR(1g) = 0.654 W/kg; SAR(10g) = 0.398 W/kg
Maximum value of SAR (interpolated) = 0.996 W/kg



0 dB = 0.777 W/kg = -1.10 dBW/kg

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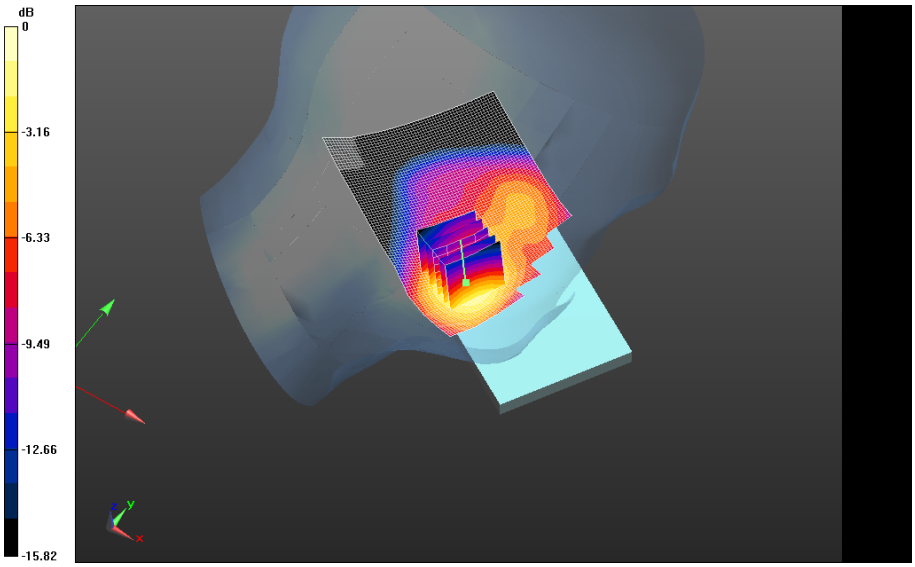
Left-Hand-Side HSL - UMTS II/Touch Position - UMTS_II_chan9400_Scan#7_amb_temp_23.4C_liq_temp_22.0C 2/Area Scan (61x91x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.775 W/kg

Left-Hand-Side HSL - UMTS II/Touch Position - UMTS_II_chan9400_Scan#7_amb_temp_23.4C_liq_temp_22.0C 2/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.766 V/m; **Power Drift = 0.061 dB**

Averaged SAR: SAR(1g) = 0.630 W/kg; SAR(10g) = 0.386 W/kg
Maximum value of SAR (interpolated) = 0.960 W/kg



0 dB = 0.776 W/kg = -1.10 dBW/kg

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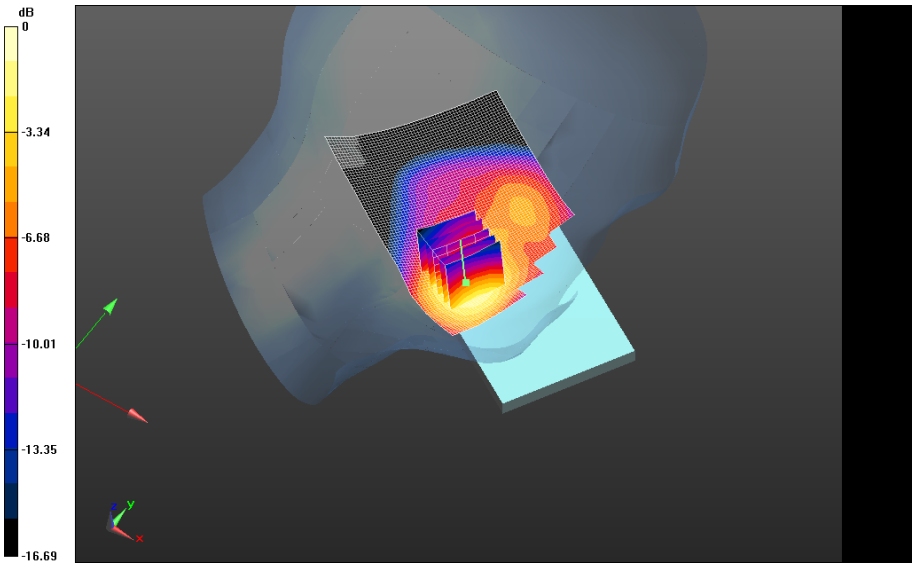
Left-Hand-Side HSL - UMTS II/Touch Position - UMTS_II_chan9400_Scan#8_amb_temp_22.9C_liq_temp_22.0C/Area Scan (61x91x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.600 W/kg

Left-Hand-Side HSL - UMTS II/Touch Position - UMTS_II_chan9400_Scan#8_amb_temp_22.9C_liq_temp_22.0C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 5.755 V/m; **Power Drift = -0.047 dB**

Averaged SAR: SAR(1g) = 0.493 W/kg; SAR(10g) = 0.301 W/kg
Maximum value of SAR (interpolated) = 0.760 W/kg



0 dB = 0.750 W/kg = -1.25 dBW/kg

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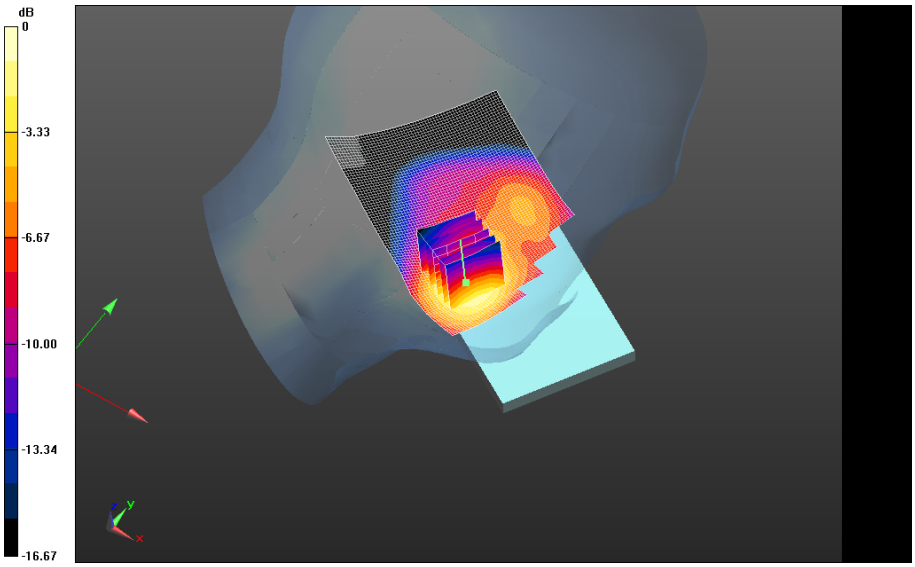
Left-Hand-Side HSL - UMTS II/Touch Position - UMTS_II_chan9400_Scan#9_amb_temp_22.8C_liq_temp_22.0C/Area Scan (61x91x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.689 W/kg

Left-Hand-Side HSL - UMTS II/Touch Position - UMTS_II_chan9400_Scan#9_amb_temp_22.8C_liq_temp_22.0C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.137 V/m; **Power Drift = -0.019 dB**

Averaged SAR: SAR(1g) = 0.574 W/kg; SAR(10g) = 0.346 W/kg
Maximum value of SAR (interpolated) = 0.887 W/kg



0 dB = 0.591 W/kg = -2.28 dBW/kg

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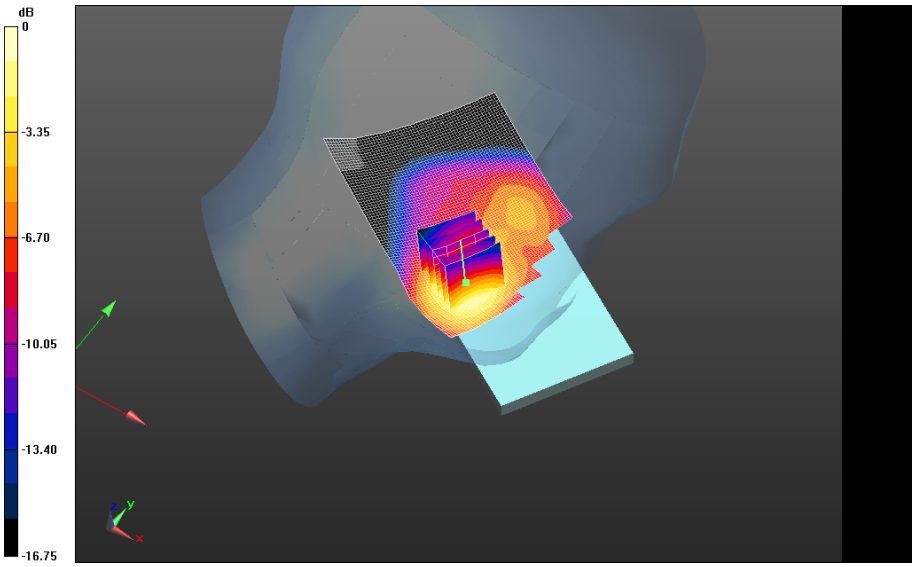
Left-Hand-Side HSL - UMTS II/Touch Position - UMTS_II_chan9400_Scan#10_amb_temp_22.9C_liq_temp_22.1C/Area Scan (61x91x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.767 W/kg

Left-Hand-Side HSL - UMTS II/Touch Position - UMTS_II_chan9400_Scan#10_amb_temp_22.9C_liq_temp_22.1C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.355 V/m; **Power Drift = 0.052 dB**

Averaged SAR: SAR(1g) = 0.632 W/kg; SAR(10g) = 0.383 W/kg
Maximum value of SAR (interpolated) = 0.973 W/kg



0 dB = 0.695 W/kg = -1.58 dBW/kg

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Date: 9/16/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFFE4E2

Configuration: Left-Hand-Side HSL - LTE Band 5

Communication System: LTE 5; Communication System Band: LTE 5; Frequency: 829 MHz
Medium Parameters used: f=829 MHz; σ = 0.873 S/m; ε_r = 40.618; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (6.19,6.19,6.19); Calibrated: 1/10/2013;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Left-Hand-Side HSL - LTE Band 5/Touch Position - LTE_5_chan20450_QPSK_RB1_OFFSET49_Scan#1_amb_temp_24.4C_liq_temp_22.8C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.429 W/kg

Left-Hand-Side HSL - LTE Band 5/Touch Position - LTE_5_chan20450_QPSK_RB1_OFFSET49_Scan#1_amb_temp_24.4C_liq_temp_22.8C/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.959 V/m; **Power Drift = -0.078 dB**

Averaged SAR: SAR(1g) = 0.388 W/kg; SAR(10g) = 0.292 W/kg
Maximum value of SAR (interpolated) = 0.494 W/kg

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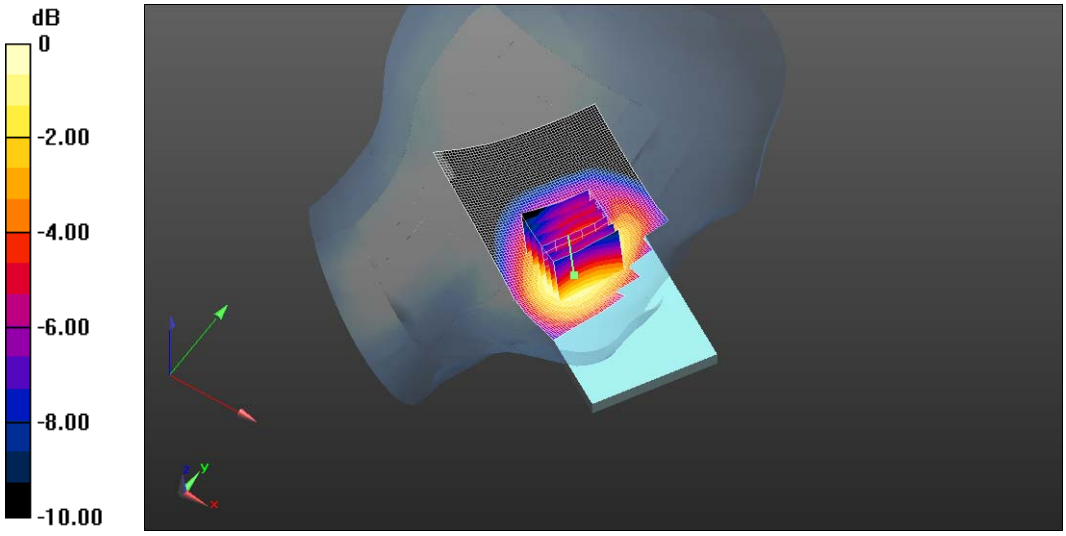

0 dB = 0.422 W/kg = -3.74 dBW/kg

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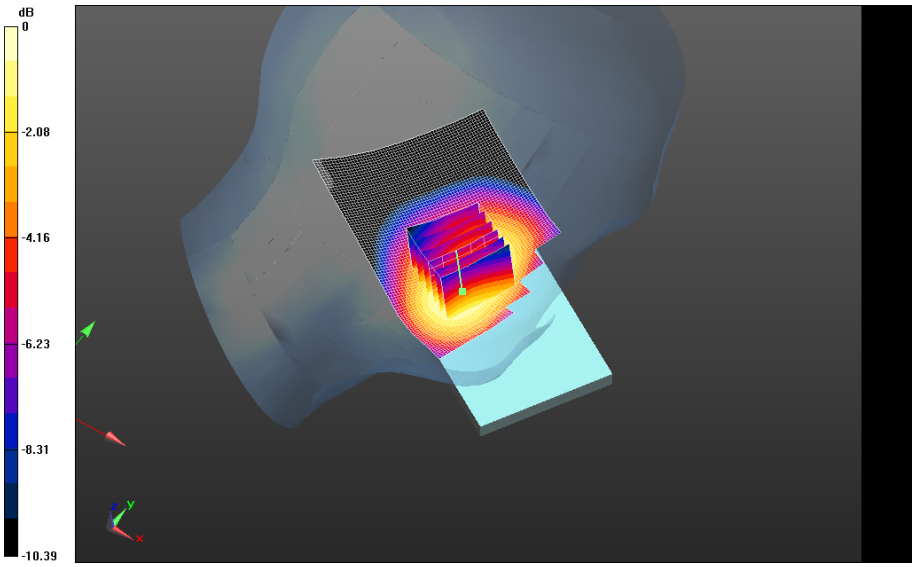
Left-Hand-Side HSL - LTE Band 5/Touch Position - LTE_5_chan20450_QPSK_RB1_OFFSET49_Scan#2_amb_temp_23.4C_liq_temp_22.6C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.231 W/kg

Left-Hand-Side HSL - LTE Band 5/Touch Position - LTE_5_chan20450_QPSK_RB1_OFFSET49_Scan#2_amb_temp_23.4C_liq_temp_22.6C/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 4.860 V/m; **Power Drift = 0.168 dB**

Averaged SAR: SAR(1g) = 0.208 W/kg; SAR(10g) = 0.158 W/kg
Maximum value of SAR (interpolated) = 0.263 W/kg



0 dB = 0.422 W/kg = -3.75 dBW/kg

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Date: 9/12/2013

Test Lab: RIM Testing Services
DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFFE4E2

Configuration: Left-Hand-Side HSL - LTE Band 4

Communication System: LTE 4; Communication System Band: LTE 4; Frequency: 1745 MHz
Medium Parameters used: f=1745 MHz; σ = 1.371 S/m; ε_r = 38.395; ρ = 1.000 g/cm^3
Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (5.35,5.35,5.35); Calibrated: 1/10/2013;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Left-Hand-Side HSL - LTE Band 4/Touch Position - LTE_4_chan20300_QPSK_RB1_OFFSET50_Scan#1_amb_temp_23.5C_liq_temp_22.6C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.714 W/kg

Left-Hand-Side HSL - LTE Band 4/Touch Position - LTE_4_chan20300_QPSK_RB1_OFFSET50_Scan#1_amb_temp_23.5C_liq_temp_22.6C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 7.061 V/m; **Power Drift = -0.034 dB**

Averaged SAR: SAR(1g) = 0.596 W/kg; SAR(10g) = 0.370 W/kg
Maximum value of SAR (interpolated) = 0.899 W/kg

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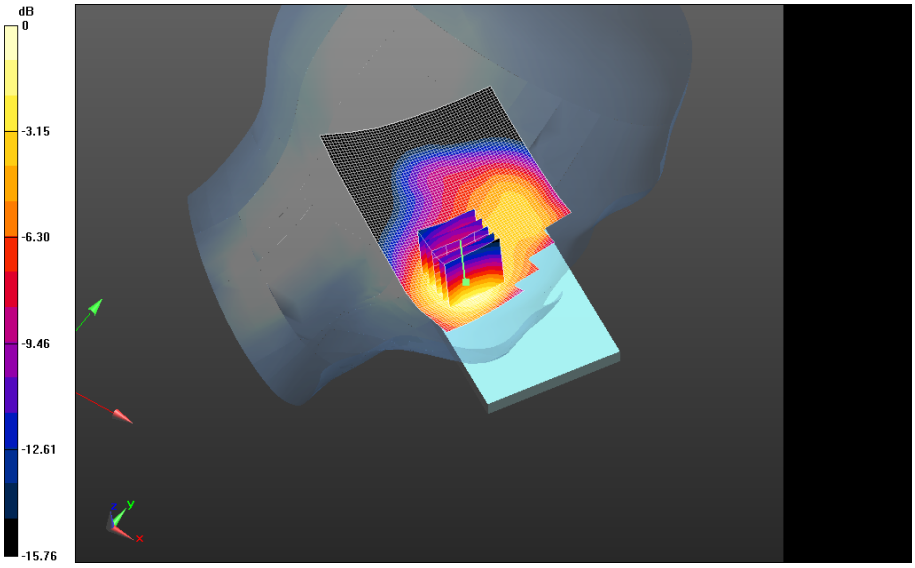

0 dB = 0.697 W/kg = -1.57 dBW/kg

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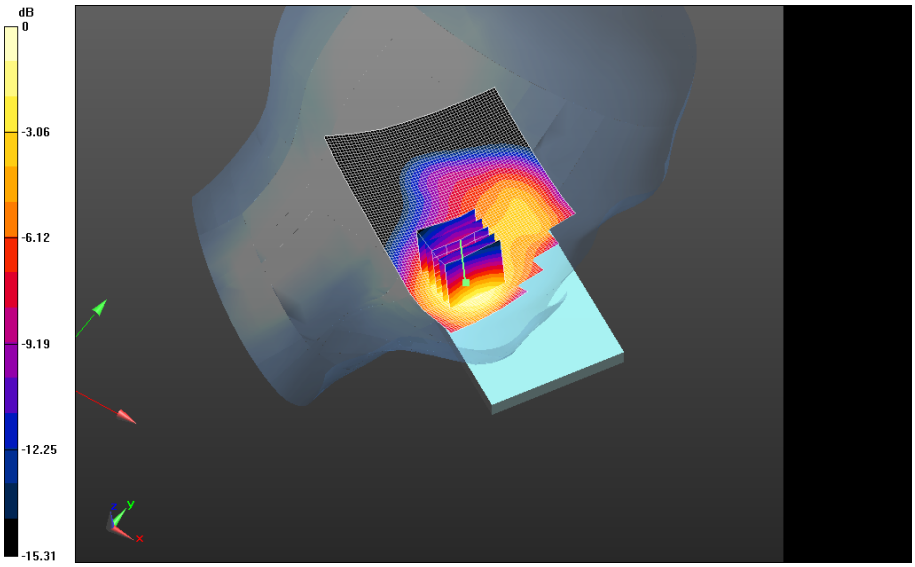
Left-Hand-Side HSL - LTE Band 4/Touch Position - LTE_4_chan20300_QPSK_RB1_OFFSET50_Scan#2_amb_temp_23.4C_liq_temp_22.6C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.567 W/kg

Left-Hand-Side HSL - LTE Band 4/Touch Position - LTE_4_chan20300_QPSK_RB1_OFFSET50_Scan#2_amb_temp_23.4C_liq_temp_22.6C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 5.928 V/m; **Power Drift = 0.106 dB**

Averaged SAR: SAR(1g) = 0.482 W/kg; SAR(10g) = 0.298 W/kg
Maximum value of SAR (interpolated) = 0.735 W/kg



0 dB = 0.697 W/kg = -1.57 dBW/kg

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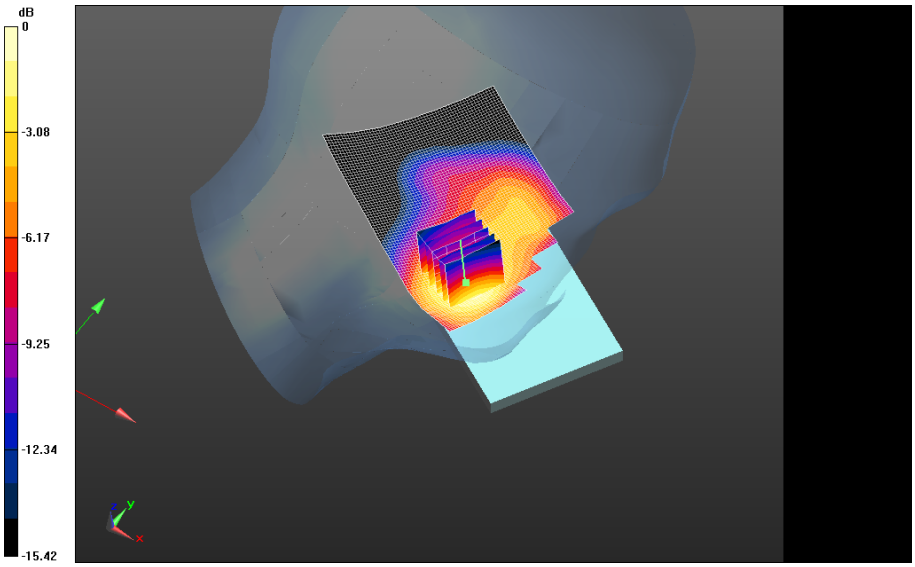
Left-Hand-Side HSL - LTE Band 4/Touch Position - LTE_4_chan20300_QPSK_RB1_OFFSET50_Scan#3_amb_temp_23.5C_liq_temp_22.6C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.729 W/kg

Left-Hand-Side HSL - LTE Band 4/Touch Position - LTE_4_chan20300_QPSK_RB1_OFFSET50_Scan#3_amb_temp_23.5C_liq_temp_22.6C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.885 V/m; **Power Drift = 0.040 dB**

Averaged SAR: SAR(1g) = 0.590 W/kg; SAR(10g) = 0.368 W/kg
Maximum value of SAR (interpolated) = 0.888 W/kg



0 dB = 0.574 W/kg = -2.41 dBW/kg

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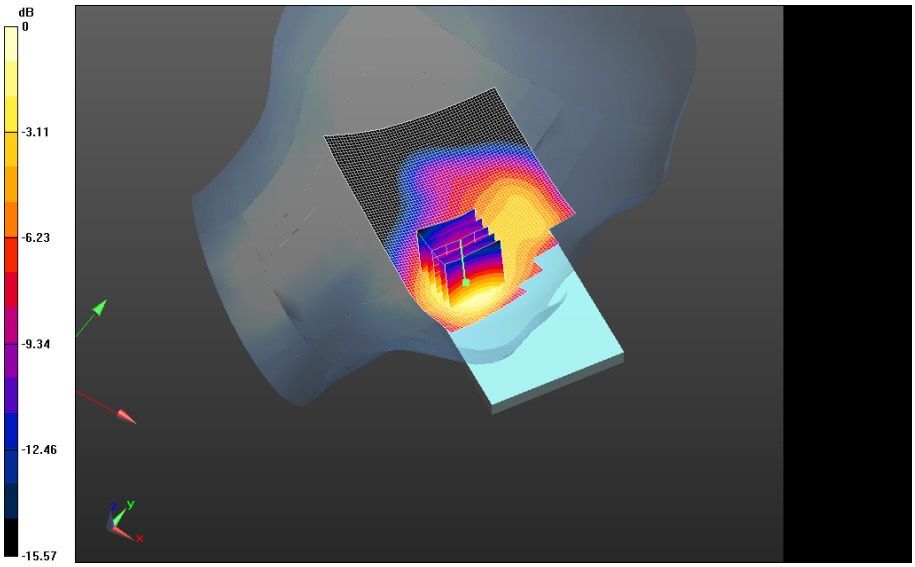
Left-Hand-Side HSL - LTE Band 4/Touch Position - LTE_4_chan20300_QPSK_RB1_OFFSET50_Scan#4_amb_temp_23.1C_liq_temp_22.6C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.640 W/kg

Left-Hand-Side HSL - LTE Band 4/Touch Position - LTE_4_chan20300_QPSK_RB1_OFFSET50_Scan#4_amb_temp_23.1C_liq_temp_22.6C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.465 V/m; **Power Drift = 0.144 dB**

Averaged SAR: SAR(1g) = 0.534 W/kg; SAR(10g) = 0.331 W/kg
Maximum value of SAR (interpolated) = 0.813 W/kg



0 dB = 0.691 W/kg = -1.61 dBW/kg

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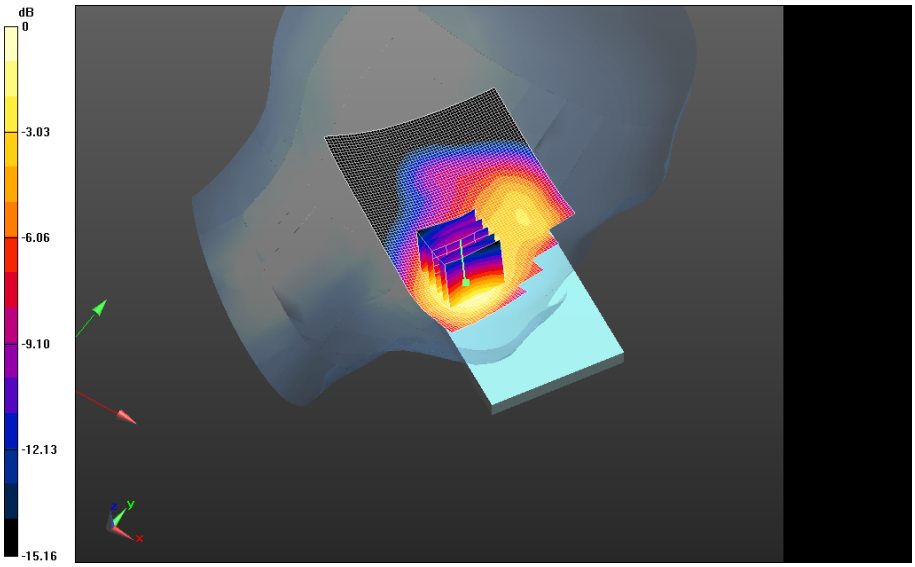
Left-Hand-Side HSL - LTE Band 4/Touch Position - LTE_4_chan20300_QPSK_RB1_OFFSET50_Scan#5_amb_temp_23.4C_liq_temp_22.0C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.323 W/kg

Left-Hand-Side HSL - LTE Band 4/Touch Position - LTE_4_chan20300_QPSK_RB1_OFFSET50_Scan#5_amb_temp_23.4C_liq_temp_22.0C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 4.814 V/m; **Power Drift = -0.017 dB**

Averaged SAR: SAR(1g) = 0.265 W/kg; SAR(10g) = 0.166 W/kg
Maximum value of SAR (interpolated) = 0.398 W/kg



0 dB = 0.635 W/kg = -1.97 dBW/kg

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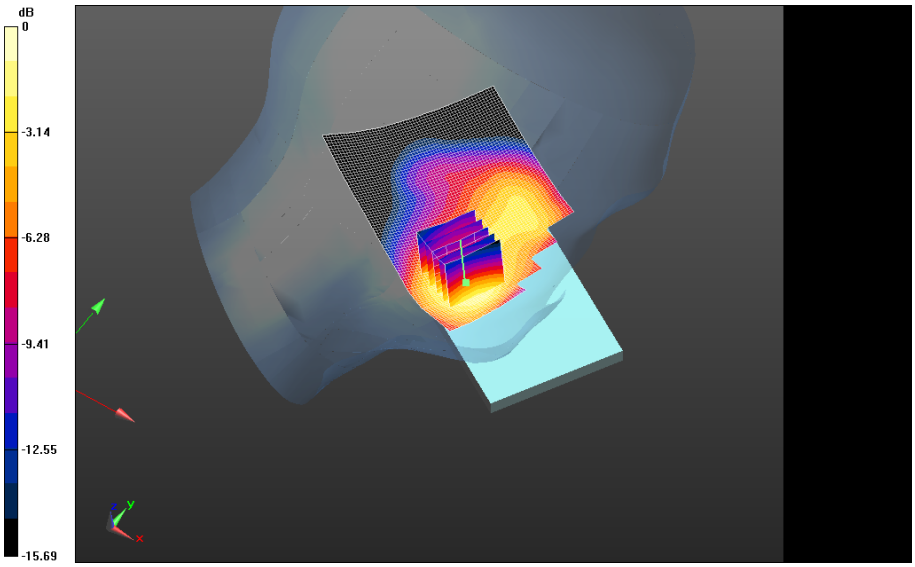
Left-Hand-Side HSL - LTE Band 4/Touch Position - LTE_4_chan20300_QPSK_RB1_OFFSET50_Scan#6_amb_temp_22.8C_liq_temp_22.0C/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.443 W/kg

Left-Hand-Side HSL - LTE Band 4/Touch Position - LTE_4_chan20300_QPSK_RB1_OFFSET50_Scan#6_amb_temp_22.8C_liq_temp_22.0C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 5.754 V/m; **Power Drift = 0.199 dB**

Averaged SAR: SAR(1g) = 0.370 W/kg; SAR(10g) = 0.231 W/kg
Maximum value of SAR (interpolated) = 0.558 W/kg



0 dB = 0.312 W/kg = -5.06 dBW/kg

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