

## **Appendix 1**

### **SAR Distribution Plots for Test System Verification**

Test Laboratory: Motorola Mobility

**2450 MHz System Performance Check****DUT: SN:740, Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:740**

Communication System: UID 0, \_CW - Dipole (0); Communication System Band: CW for SAR Dipoles; Frequency: 2450 MHz; Communication System PAR: 0 dB; PMF: 1; Input Power: 100 mW

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.909$  S/m;  $\epsilon_r = 49.068$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3184; ConvF(4.5, 4.5, 4.5); Calibrated: 5/30/2013;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -8.0, 32.0$
- Electronics: DAE3 Sn378; Calibrated: 5/28/2013
- Phantom: R#2 MART, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

**Triple Flat - DIPOLE SPC Template, Rev.2 (8-April-13)/2-3GHz, Daily SPC Check/fastSAR, Dipole Area Scan (41x221x1):**Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 5.75 W/kg

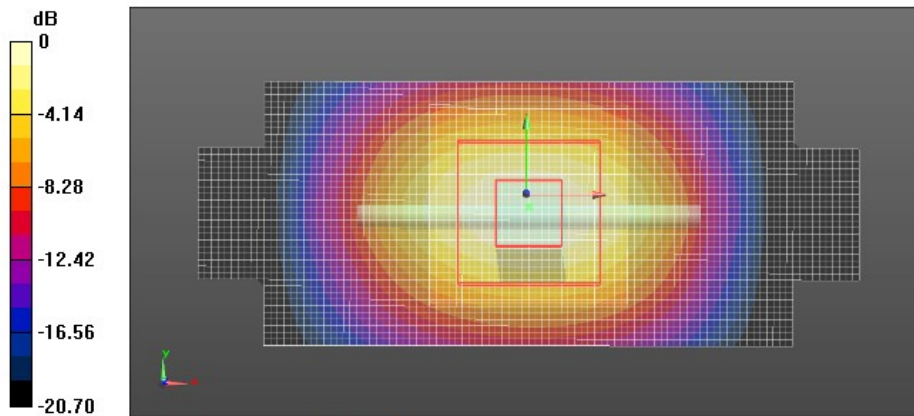
**Triple Flat - DIPOLE SPC Template, Rev.2 (8-April-13)/2-3GHz, Daily SPC Check/CUBE SAR, 7x7x7 (7x7x7)/Cube 0: Measurement**grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 55.055 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 10.4 W/kg

**SAR(1 g) = 4.96 W/kg; SAR(10 g) = 2.32 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.69 W/kg



Test Laboratory: Motorola Mobility

**2450 MHz System Performance Check****DUT: SN:740, Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:740**

Communication System: UID 0, \_CW - Dipole (0); Communication System Band: CW for SAR Dipoles; Frequency: 2450 MHz; Communication System PAR: 0 dB; PMF: 1; Input Power: 100 mW

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.901$  S/m;  $\epsilon_r = 48.15$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3184; ConvF(4.5, 4.5, 4.5); Calibrated: 5/30/2013;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -8.0, 32.0$
- Electronics: DAE3 Sn378; Calibrated: 5/28/2013
- Phantom: R#2 MART, Glycol SAM (extended range), Rev.2 (24-Feb-12); Type: SAM v4.0; Serial: TP-1318
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

**SAM - DIPOLE SPC Template, Rev.2 (8-April-13)/2-3 GHz, SAM Daily SPC Check/fastSAR, Dipole Area Scan (41x221x1):**Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 6.26 W/kg

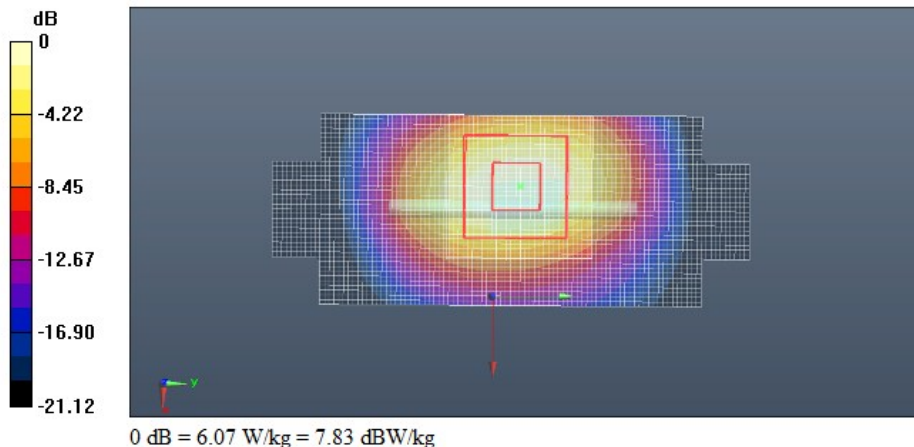
**SAM - DIPOLE SPC Template, Rev.2 (8-April-13)/2-3 GHz, SAM Daily SPC Check/CUBE SAR, 7x7x7 (7x7x7)/Cube 0:**Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 52.430 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 11.2 W/kg

**SAR(1 g) = 5.27 W/kg; SAR(10 g) = 2.45 W/kg (SAR corrected for target medium)**

Maximum value of SAR (measured) = 6.07 W/kg



Test Laboratory: Motorola Mobility

**2450 MHz System Performance Check****DUT: SN:740, Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:740**

Communication System: UID 0, \_CW - Dipole (0); Communication System Band: CW for SAR Dipoles; Frequency: 2450 MHz; Communication System PAR: 0 dB; PMF: 1; Input Power: 100 mW

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.869$  S/m;  $\epsilon_r = 48.685$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3184; ConvF(4.5, 4.5, 4.5); Calibrated: 5/30/2013;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -8.0, 32.0$
- Electronics: DAE3 Sn378; Calibrated: 5/28/2013
- Phantom: R#2 MART, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

**Triple Flat - DIPOLE SPC Template, Rev.2 (8-April-13)/2-3GHz, Daily SPC Check/fastSAR, Dipole Area Scan (41x221x1):**Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 5.82 W/kg

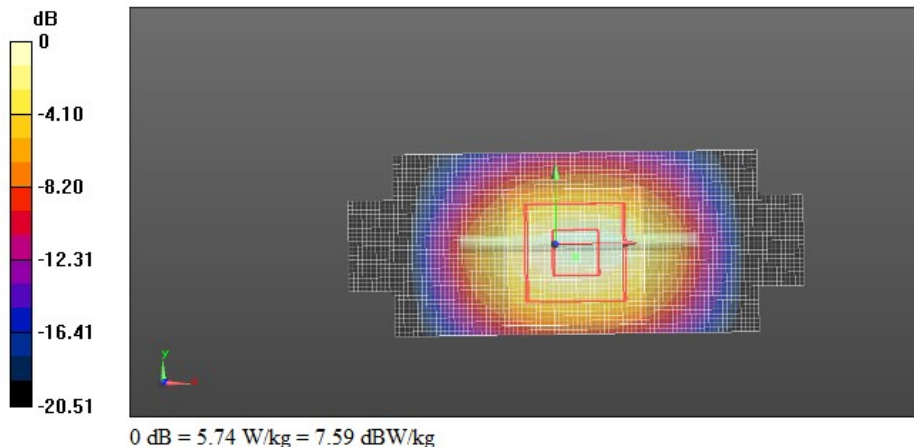
**Triple Flat - DIPOLE SPC Template, Rev.2 (8-April-13)/2-3GHz, Daily SPC Check/CUBE SAR, 7x7x7 (7x7x7)/Cube 0: Measurement**grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 52.484 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 10.5 W/kg

**SAR(1 g) = 5.06 W/kg; SAR(10 g) = 2.37 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.74 W/kg



## **Appendix 2**

### **SAR Distribution Plots for Extremity-Use and Dispatch Test Results**

Test Laboratory: Motorola Mobility

**IHDT6QC1 with Leather Strap****DUT: xClock; Type: n/a; Serial: LXCX230257**

Communication System: UID 0, \_ Wi-Fi 2450MHz (0); Communication System Band: 2450MHz WIFI; Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.923$  S/m;  $\epsilon_r = 49.044$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3184; ConvF(4.5, 4.5, 4.5); Calibrated: 5/30/2013;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 7.0, 32.0$
- Electronics: DAE3 Sn378; Calibrated: 5/28/2013
- Phantom: R#2 MART, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

**2-3GHz, Triple Flat Phone Template - Rev.1 (28-March-13)/2-3GHz Triple Flat Phone Template/Area Scan (10mm) (261x141x1):**  
 Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.847 W/kg

**2-3GHz, Triple Flat Phone Template - Rev.1 (28-March-13)/2-3GHz Triple Flat Phone Template/7x7x7 Zoom Scan (2-3GHz)**  
 (7x7x7)/Cube 0: Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

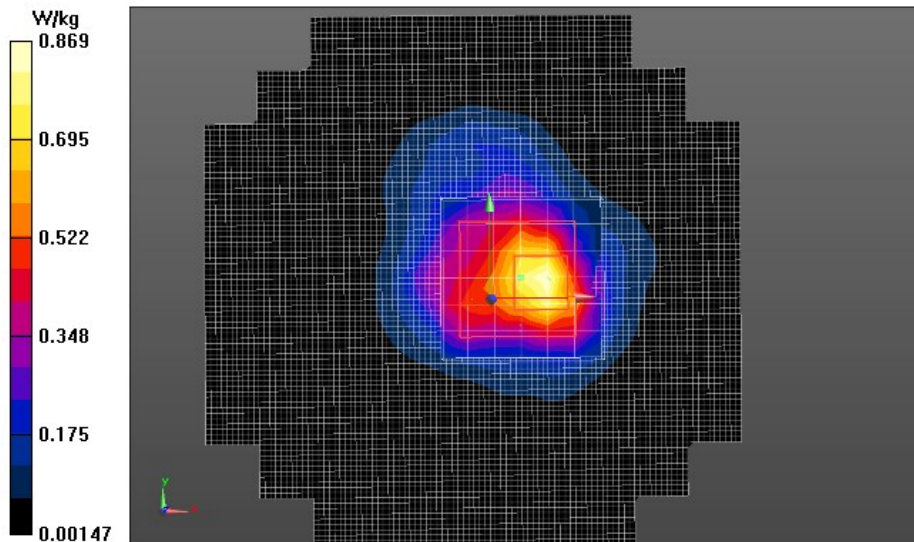
Reference Value = 22.035 V/m; Power Drift = -0.33 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.724 W/kg; SAR(10 g) = 0.332 W/kg (SAR corrected for target medium)

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.869 W/kg



Test Laboratory: Motorola Mobility

**IHDT6QC1 with Leather Strap****DUT: xClock; Type: n/a; Serial: LXCX230257**

Communication System: UID 0, \_Bluetooth (0); Communication System Band: Bluetooth; Frequency: 2441 MHz; Communication System PAR: 0 dB; PMF: 1  
 Medium parameters used (interpolated):  $f = 2441$  MHz;  $\sigma = 1.859$  S/m;  $\epsilon_r = 48.714$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3184; ConvF(4.5, 4.5, 4.5); Calibrated: 5/30/2013;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 7.0, 32.0$
- Electronics: DAE3 Sn378; Calibrated: 5/28/2013
- Phantom: R#2 MART, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

**2-3GHz, Triple Flat Phone Template - Rev.1 (28-March-13)/2-3GHz Triple Flat Phone Template/Area Scan (10mm) (261x141x1):**Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.377 W/kg

**2-3GHz, Triple Flat Phone Template - Rev.1 (28-March-13)/2-3GHz Triple Flat Phone Template/7x7x7 Zoom Scan (2-3GHz)****(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

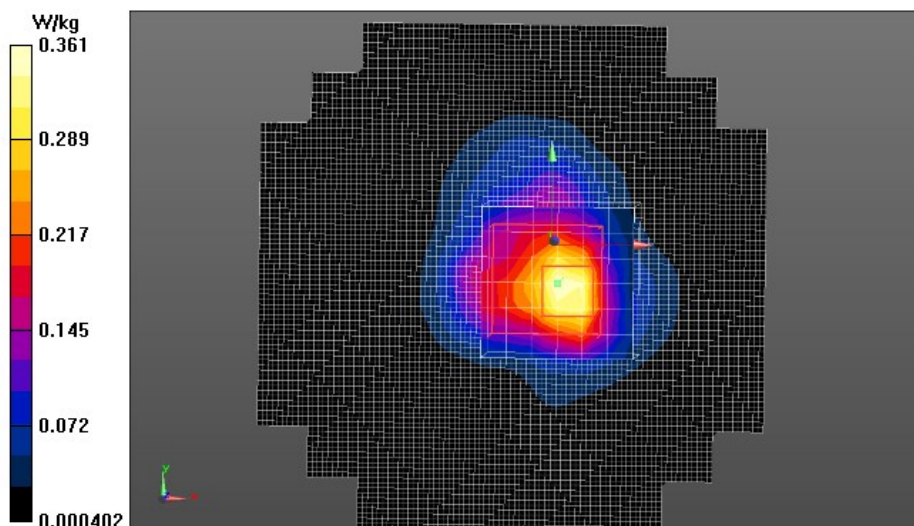
Reference Value = 12.904 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.696 W/kg

SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.144 W/kg (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.361 W/kg



Test Laboratory: The name of your organization

## IHDT6QC1 with Metal band on Left Side

DUT: xClock; Type: n/a; Serial: LXCX230257

Communication System: UID 0, \_ Wi-Fi 2450MHz (0); Communication System Band: 2450MHz WIFI; Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.914$  S/m;  $\epsilon_r = 48.122$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3184; ConvF(4.5, 4.5, 4.5); Calibrated: 5/30/2013;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -18.0, 32.0$
- Electronics: DAE3 Sn378; Calibrated: 5/28/2013
- Phantom: R#2 MART, Glycol SAM (extended range), Rev.2 (24-Feb-12); Type: SAM v4.0; Serial: TP-1318
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

**2-3GHz, LEFT Head SAM Template - Rev.1 (28-March-13)/2-3GHz, Left Head Template/10mm, Area Scan (71x201x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.24 W/kg

**2-3GHz, LEFT Head SAM Template - Rev.1 (28-March-13)/2-3GHz, Left Head Template/7x7x7 Zoom Scan (2-3GHz) (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

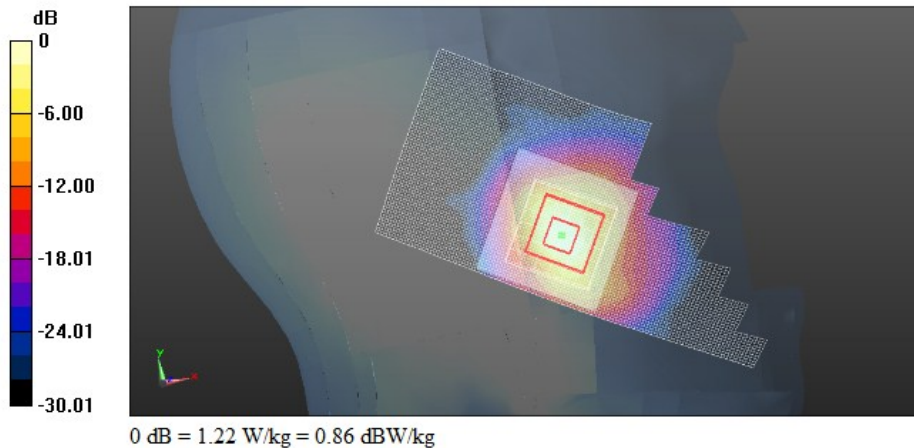
Reference Value = 22.675 V/m; Power Drift = -0.55 dB

Peak SAR (extrapolated) = 2.07 W/kg

SAR(1 g) = 0.964 W/kg; SAR(10 g) = 0.385 W/kg (SAR corrected for target medium)

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.22 W/kg





Test Laboratory: The name of your organization

## IHDT6QC1 with Metal band on Right Side

DUT: xClock; Type: n/a; Serial: LXCX230257

Communication System: UID 0, \_Wi-Fi 2450MHz (0); Communication System Band: 2450MHz WIFI; Frequency: 2462 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.914$  S/m;  $\epsilon_r = 48.122$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3184; ConvF(4.5, 4.5, 4.5); Calibrated: 5/30/2013;
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -18.0, 32.0$
- Electronics: DAE3 Sn378; Calibrated: 5/28/2013
- Phantom: R#2 MART, Glycol SAM (extended range), Rev.2 (24-Feb-12); Type: SAM v4.0; Serial: TP-1318
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

**2-3GHz, LEFT Head SAM Template - Rev.1 (28-March-13)/2-3GHz, Left Head Template/10mm, Area Scan (71x201x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.461 W/kg

**2-3GHz, LEFT Head SAM Template - Rev.1 (28-March-13)/2-3GHz, Left Head Template/7x7x7 Zoom Scan (2-3GHz) (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

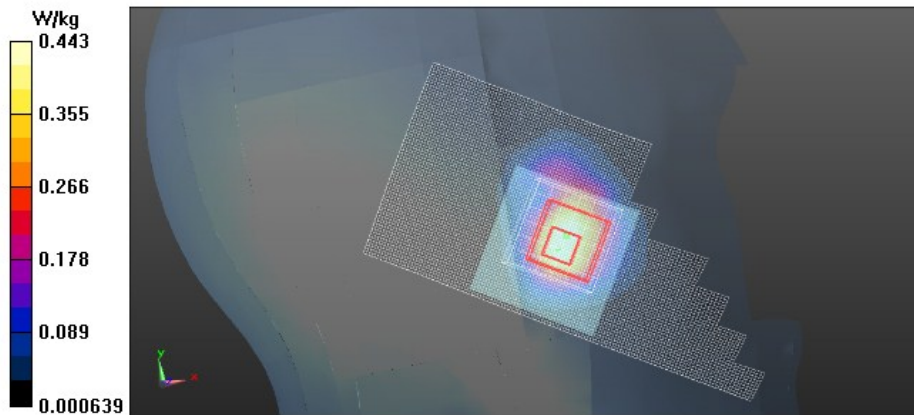
Reference Value = 13.515 V/m; Power Drift = -0.26 dB

Peak SAR (extrapolated) = 0.666 W/kg

SAR(1 g) = 0.383 W/kg; SAR(10 g) = 0.200 W/kg (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.443 W/kg



### Test Laboratory: Motorola Mobility - IHDT6QC1 in Face Dispatch Position with Leather Band

**DUT: xClock; Type: n/a; Serial: LXCX230257;**

Communication System: UID 0, \_Wi-Fi 2450MHz (0); Frequency: 2462 MHz; Channel Number: 11; Duty Cycle: 1:1

Medium: HEAD tissue; Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.764$  S/m;  $\epsilon_r = 38.318$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY4 Configuration:

- Probe: ES3DV3 - SN3037; ConvF(4.45, 4.45, 4.45); Calibrated: 11/26/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: 11/15/2013
- Phantom: R#2 MART, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a; Phantom section: Center Section
- SEMCAD X Version 14.6.10 (7164)

### 2-3GHz, Triple Flat Phone Template - Rev.1 (28-March-13)/2-3GHz Triple Flat Phone Template/Area Scan (10mm) (27x15x1):

Measurement grid: dx=10mm, dy=10mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.145 W/kg

### 2-3GHz, Triple Flat Phone Template - Rev.1 (28-March-13)/2-3GHz Triple Flat Phone Template/7x7x7 Zoom Scan (2-3GHz) (7x7x7)/Cube 0:

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

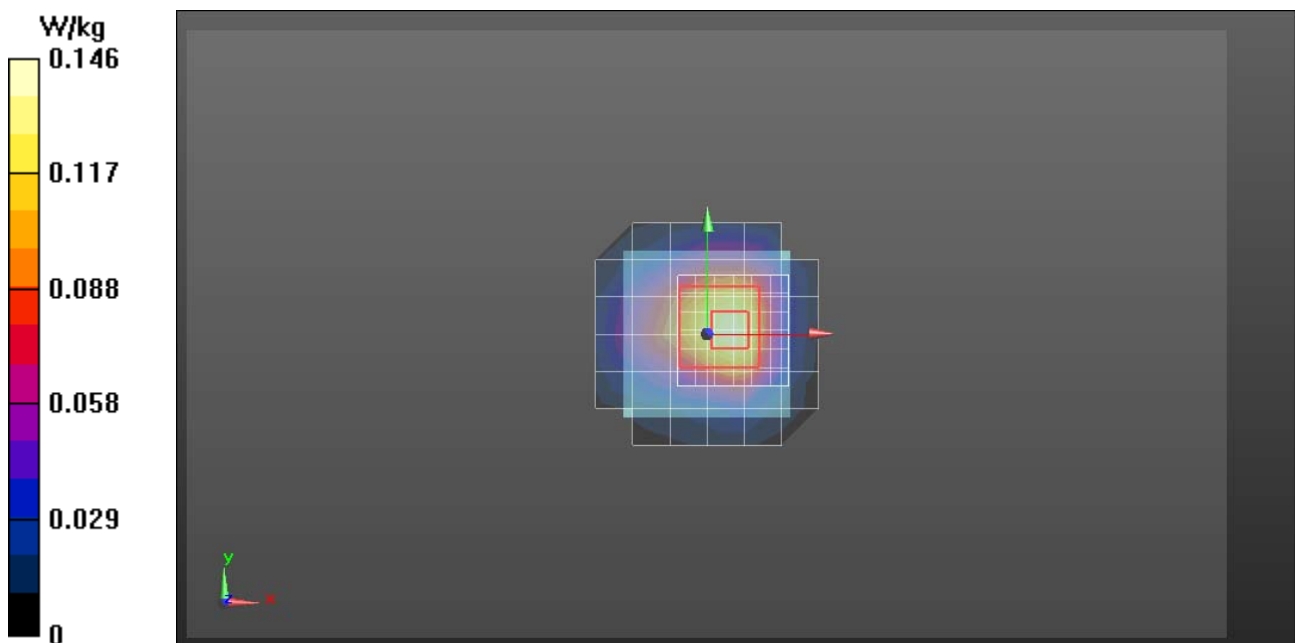
Reference Value = 7.613 V/m; Power Drift = -0.28 dB

Peak SAR (extrapolated) = 0.229 W/kg

**SAR(1 g) = 0.132 W/kg; SAR(10 g) = 0.069 W/kg** (SAR corrected for target medium)

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.146 W/kg



### Test Laboratory: Motorola Mobility - IHDT6QC1 in Face Dispatch Position with Metal Band

DUT: xClock; Type: n/a; Serial: LXCX230257

Communication System: UID 0, \_Wi-Fi 2450MHz (0); Frequency: 2462 MHz; Channel Number: 11; Duty Cycle: 1:1

Medium: HEAD tissue; Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.764$  S/m;  $\epsilon_r = 38.318$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY4 Configuration:

- Probe: ES3DV3 - SN3037; ConvF(4.45, 4.45, 4.45); Calibrated: 11/26/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: 11/15/2013
- Phantom: R#2 MART, Triple Flat Phantom 5.1C (Rev.4); Type: QD 000 P51 CA; Serial: n/a; Phantom section: Center Section
- SEMCAD X Version 14.6.10 (7164)

### 2-3GHz, Triple Flat Phone Template - Rev.1 (28-March-13)/2-3GHz Triple Flat Phone Template/Area Scan (10mm) (27x15x1):

Measurement grid: dx=10mm, dy=10mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.155 W/kg

### 2-3GHz, Triple Flat Phone Template - Rev.1 (28-March-13)/2-3GHz Triple Flat Phone Template/7x7x7 Zoom Scan (2-3GHz) (7x7x7)/Cube 0:

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

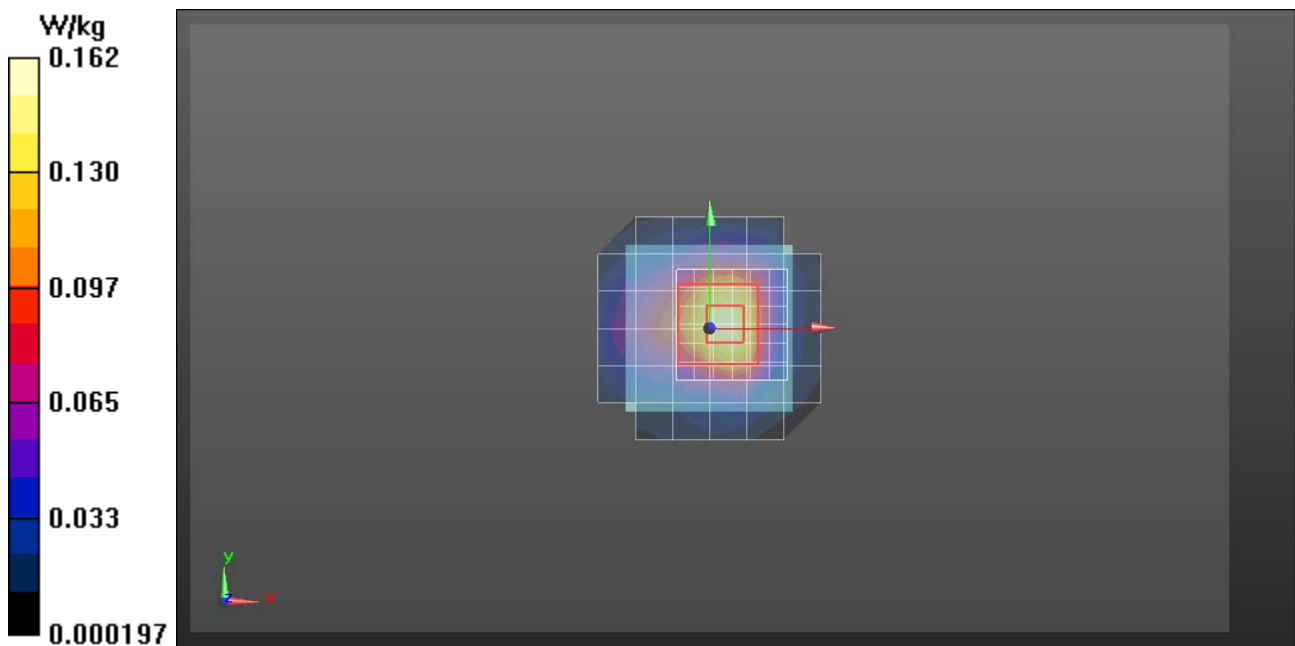
Reference Value = 7.141 V/m; Power Drift = -0.28 dB

Peak SAR (extrapolated) = 0.255 W/kg

SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.074 W/kg (SAR corrected for target medium)

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.162 W/kg



# **Appendix 3**

## **Measurement Uncertainty Budget**

**Uncertainty Budget for Device Under Test, for 735 MHz to 3 GHz**

<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e = f(d,k)</i>	<i>f</i>	<i>g</i>	<i>h = c x f / e</i>	<i>i = c x g / e</i>	<i>k</i>
<b>Uncertainty Component</b>	Description IEEE 1528(2003) / IEC 62209-1(2005)	Tol. (± %)	Prob Dist	Div.	<i>c<sub>i</sub></i> (1 g)	<i>c<sub>i</sub></i> (10 g)	1 g <i>u<sub>i</sub></i> (±%)	10 g <i>u<sub>i</sub></i> (±%)	<i>v<sub>i</sub></i>
<b>Measurement System</b>									
Probe Calibration [ES3DV3]	E.2.1 / 7.2.1	6.0	N	1.00	1	1	6.0	6.0	∞
Axial Isotropy	E.2.2 / 7.2.1.2	4.7	R	1.73	0.707	0.707	1.9	1.9	∞
Hemispherical Isotropy	E.2.2 / 7.2.1.2	9.6	R	1.73	0.707	0.707	3.9	3.9	∞
Boundary Effect	E.2.3 / 7.2.1.5	1.0	R	1.73	1	1	0.6	0.6	∞
Linearity	E.2.4 / 7.2.1.3	4.7	R	1.73	1	1	2.7	2.7	∞
System Detection Limits	E.2.5 / 7.2.1.4	1.0	R	1.73	1	1	0.6	0.6	∞
Readout Electronics	E.2.6 / 7.2.1.6	0.3	N	1.00	1	1	0.3	0.3	∞
Response Time	E.2.7 / 7.2.1.7	1.1	R	1.73	1	1	0.6	0.6	∞
Integration Time	E.2.8 / 7.2.1.8	1.1	R	1.73	1	1	0.6	0.6	∞
RF Ambient Conditions - Noise	E.6.1 / 7.2.3.6	3.0	R	1.73	1	1	1.7	1.7	∞
RF Ambient Conditions - Reflections	E.6.1 / 7.2.3.6	3.0	R	1.73	1	1	1.7	1.7	∞
Probe Positioner Mech. Tolerance	E.6.2 / 7.2.2.1	0.4	R	1.73	1	1	0.2	0.2	∞
Probe Positioning w.r.t Phantom	E.6.3 / 7.2.2.3	2.9	R	1.73	1	1	1.7	1.7	∞
Max. SAR Evaluation (ext., int., avg.)	E.5 / 7.2.4	3.4	R	1.73	1	1	2.0	2.0	∞
<b>Test sample Related</b>									
Test Sample Positioning	E.4.2 / 7.2.2.4	3.4	N	1.00	1	1	3.4	3.4	79
Device Holder Uncertainty	E.4.1 / 7.2.2.4.2	4.5	N	1.00	1	1	4.5	4.5	11
SAR drift	6.6.2 / 7.2.3.5	0.0	R	1.73	1	1	0.0	0.0	
<b>Phantom and Tissue Parameters</b>									
Phantom Uncertainty	E.3.1 / 7.2.2.2	6.1	R	1.73	1	1	3.5	3.5	∞
SAR Correction		1.9	R	1.73	1	0.84	1.1	0.9	∞
Liquid Conductivity (measurement)	E.3.3 / 7.2.3.3	1.3	N	1.00	0.64	0.43	0.9	0.6	6
Liquid Permittivity (measurement)	E.3.2 / 7.2.3.4	0.7	N	1.00	0.6	0.49	0.4	0.3	6
<b>Combined Standard Uncertainty</b>			RSS				11	11	390
<b>Expanded Uncertainty</b> (95% CONFIDENCE LEVEL)				<i>k=2</i>			22	22	

**Uncertainty Budget for Device Under Test for 3 to 6 GHz**

<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e = f(d,k)</i>	<i>f</i>	<i>g</i>	<i>h = c x f / e</i>	<i>i = c x g / e</i>	<i>k</i>
<b>Uncertainty Component</b>	Description IEC 62209-2 (2010)	Tol. (± %)	Prob Dist	Div.	<i>c<sub>i</sub></i> (1 g)	<i>c<sub>i</sub></i> (10 g)	1 g <i>u<sub>i</sub></i> (±%)	10 g <i>u<sub>i</sub></i> (±%)	<i>v<sub>i</sub></i>
<b>Measurement System</b>									
Probe Calibration [EX3DV4]	7.2.2.1	6.6	N	1.00	1	1	6.6	6.6	∞
Axial Isotropy	7.2.2.2	4.7	R	1.73	0.707	0.707	1.9	1.9	∞
Hemispherical Isotropy	7.2.2.2	9.6	R	1.73	0.707	0.707	3.9	3.9	∞
Boundary Effect	7.2.2.6	2.0	R	1.73	1	1	1.2	1.2	∞
Linearity	7.2.2.5	4.7	R	1.73	1	1	2.7	2.7	∞
System Detection Limits	7.2.2	1.0	R	1.73	1	1	0.6	0.6	∞
Readout Electronics	7.2.2.7	0.3	N	1.00	1	1	0.3	0.3	∞
Response Time	7.2.2.8	1.1	R	1.73	1	1	0.6	0.6	∞
Integration Time	7.2.2.9	1.1	R	1.73	1	1	0.6	0.6	∞
RF Ambient Conditions - Noise	7.2.4.5	3.0	R	1.73	1	1	1.7	1.7	∞
RF Ambient Conditions - Reflections	7.2.4.5	3.0	R	1.73	1	1	1.7	1.7	∞
Probe Positioner Mech. Tolerance	7.2.3.1	1.0	R	1.73	1	1	0.6	0.6	∞
Probe Positioning w.r.t Phantom	7.2.3.3	6.7	R	1.73	1	1	3.9	3.9	∞
Max. SAR Evaluation (ext., int., avg.)	7.2.5.3	4.0	R	1.73	1	1	2.3	2.3	∞
<b>Test sample Related</b>									
Test Sample Positioning	7.2.3.4	3.4	N	1.00	1	1	3.4	3.4	79
Device Holder Uncertainty	7.2.3.4	4.5	N	1.00	1	1	4.5	4.5	11
SAR drift	7.2.2.10	0.0	R	1.73	1	1	0.0	0.0	
<b>Phantom and Tissue Parameters</b>									
Phantom Uncertainty	7.2.3.2	6.6	R	1.73	1	1	3.8	3.8	∞
SAR Correction	7.2.4.3	1.9	R	1.73	1	0.84	1.1	0.9	∞
Liquid Conductivity (measurement)	7.2.4.3	1.4	N	1.00	0.64	0.43	0.9	0.6	6
Liquid Permittivity (measurement)	7.2.4.3	0.7	N	1.00	0.6	0.49	0.4	0.4	6
<b>Combined Standard Uncertainty</b>			RSS				12	12	557
<b>Expanded Uncertainty</b> (95% CONFIDENCE LEVEL)			<i>k=2</i>				24	24	