



DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2

Enterprise Mobility Solutions
EME Test Laboratory
 Motorola Solutions Malaysia Sdn Bhd (455657-H)
 Customer Solution Center
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 Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.

Date of Report: 04/22/13
Report Revision: 0
Report ID: SAR rpt_PMUD3265A_Rev.O
 130422_SR11124

Responsible Engineer: Tan KaiYan (EME Engineer)
Report Author: Tan KaiYan (EME Engineer)
Date/s Tested: 03/05/2013-04/01/2013
Manufacturer/Location: Motorola, Penang
Sector/Group/Div.: PCR
Date submitted for test: 02/05/13
DUT Description: 136-174MHz 5W NKP GPS BT GOB
Test TX mode(s): CW (PTT), BT (CW)
Max. Power output: 6 W (VHF), 10 mW (Bluetooth)
Nominal Power: 5 W (VHF), 2.5 mW (Bluetooth)
Tx Frequency Bands: 136-174 MHz, 2.402-2.480 GHz (Bluetooth)
Signaling type: FM, FHSS (BT)
Model(s) Tested: PMUD3265A
Model(s) Certified: PMUD3265A
Serial Number(s): 105TPB0100 & 105TPB0059
Classification: Occupational/Controlled
FCC ID: AZ489FT3833; Rule Part 90 (150.8-173.4 MHz); Rule Part 15 (2402-2480 MHz)
IC: 109U-89FT3833; (138-144 MHz; 148-149.9 MHz, 150.05-174 MHz & 2402-2480 MHz)

* Refer to section 15 of part 1 for highest SAR summary results.

The test results clearly demonstrate compliance with FCC Occupational/Controlled RF Exposure limits of 8 W/kg averaged over 1 gram per the requirements of 47 CFR 2.1093(d). The 10 grams result is not applicable to FCC filing. The test results clearly demonstrate compliance with ICNIRP (1998) Guidelines for limiting exposure in time-varying electric, magnetic, and electromagnetic fields (up to 300 GHz), Health Physics 74, 494-522 RF Exposure limits of 10 W/kg averaged over 10grams of contiguous tissue.

Based on the information and the testing results provided herein, the undersigned certifies that when used as stated in the operating instructions supplied, said product complies with the national and international reference standards and guidelines listed in section 3.0 of this report. This report shall not be reproduced without written approval from an officially designated representative of the Motorola Solutions Inc EME Laboratory. I attest to the accuracy of the data and assume full responsibility for the completeness of these measurements. This reporting format is consistent with the suggested guidelines of the TIA TSB-150 December 2004. The results and statements contained in this report pertain only to the device(s) evaluated.

EMS EME Lab Senior Resource Manager,
Laboratory Director
Approval Date: 4/26/2013

Certification Date: 4/26/2013

Certification No.: L1130409P

APPENDIX D
Test System Check Scans

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/5/2013 8:21:18 AM

Robot#: DASY4-PG-1 | Run#: CcC-SYSP-300B-130305-01
 Dipole Model# D300V3
 Phantom#: ELI5 1150
 Tissue Temp: 21.3 (C)
 Serial#: 1003
 Test Freq: 300 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.050 dB
 Adjusted SAR (1W): 2.80 mW/g (1g)

Note:
 Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.699 mW/g (1g); 0.477 mW/g (10g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 300 MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 56.8$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(6.56, 6.56, 6.56)
 Electronics: DAE4 Sn1294, Calibrated: 11/13/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

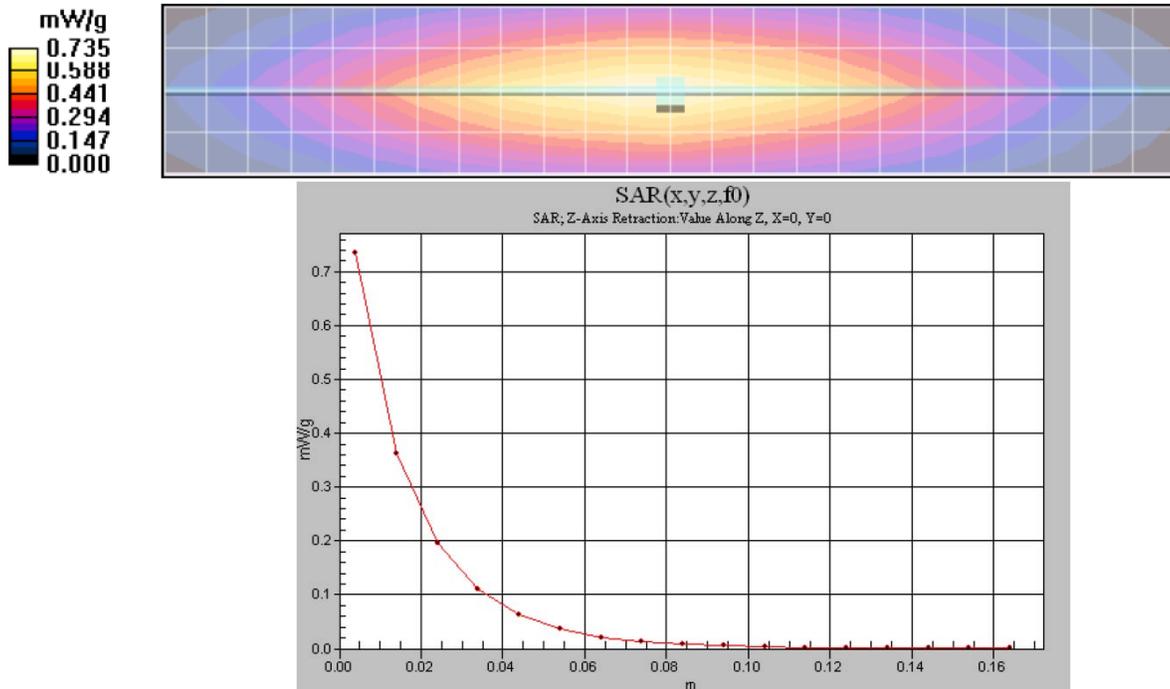
Reference Value = 29.2 V/m; Power Drift = 0.00126 dB
 Peak SAR (extrapolated) = 1.00 W/kg
SAR(1 g) = 0.691 mW/g; SAR(10 g) = 0.474 mW/g
 Maximum value of SAR (measured) = 0.742 mW/g

System Performance Check/Dipole Area Scan 2 (5x25x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.731 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.735 mW/g



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/5/2013 1:00:52 PM

Robot#: DASY4-PG-1 | Run#: Lee-SYSP-300H-130305-05
 Dipole Model# D300V3
 Phantom#: ELI4 1103
 Tissue Temp: 21.0 (C)
 Serial#: 1003
 Test Freq: 300 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.049 dB
 Adjusted SAR (1W): 2.86 mW/g (1g)

Note:
 Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.714 mW/g (1g); 0.482 mW/g (10g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 300$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_r = 46.7$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(6.75, 6.75, 6.75)
 Electronics: DAE4 Sn1294, Calibrated: 11/13/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

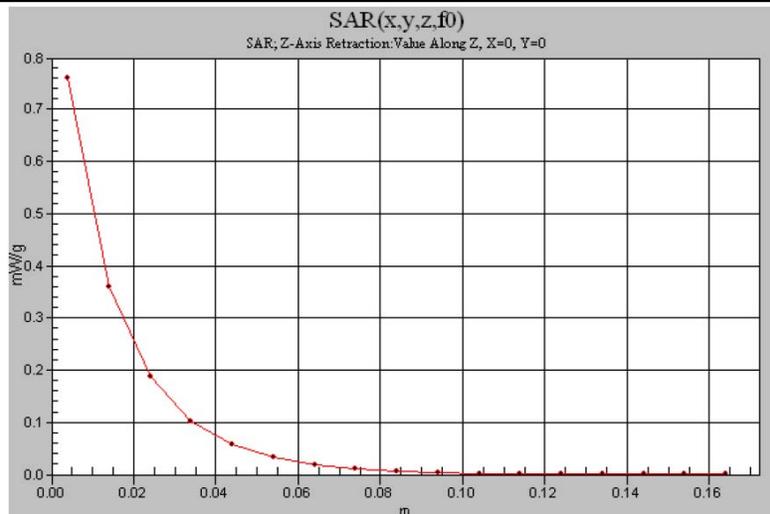
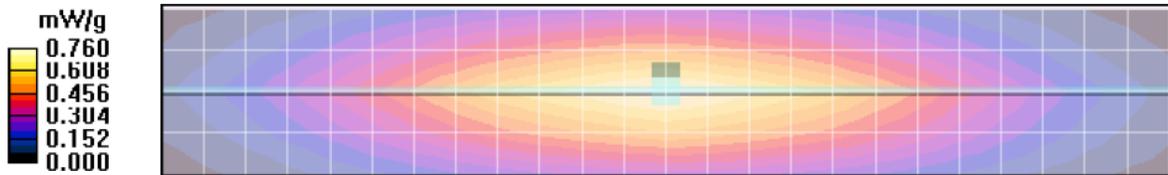
Reference Value = 29.4 V/m; Power Drift = -0.0185 dB
 Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.707 mW/g; SAR(10 g) = 0.478 mW/g
 Maximum value of SAR (measured) = 0.758 mW/g

System Performance Check/Dipole Area Scan 2 (5x25x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.750 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.760 mW/g



Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/6/2013 8:16:17 AM

Robot#: DASY4-PG-1 | Run#: CcC-SYSP-300H-130306-01
 Dipole Model#: D300V3
 Phantom#: ELI4 1103
 Tissue Temp: 20.9 (C)
 Serial#: 1003
 Test Freq: 300 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.053 dB
 Adjusted SAR (1W): 2.82 mW/g (1g)

Note:
 Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.706 mW/g (1g); 0.475 mW/g (10g)

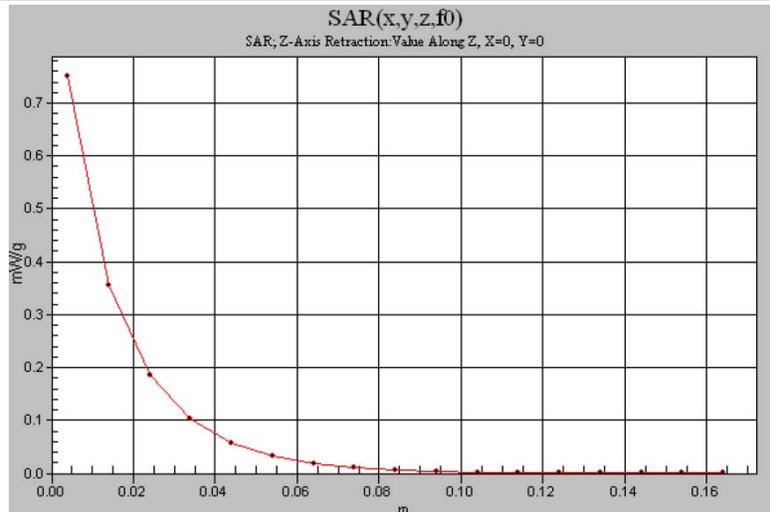
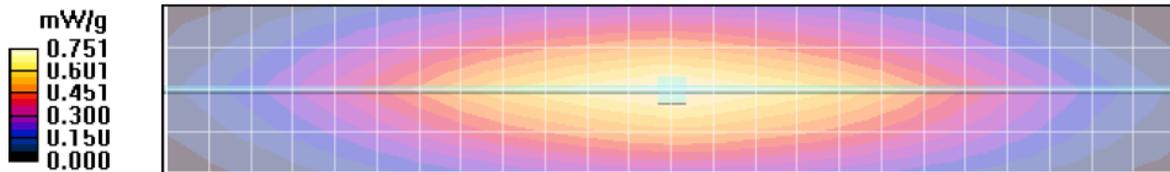
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 300$ MHz; $\sigma = 0.86$ mho/m; $\epsilon_r = 46.2$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(6.75, 6.75, 6.75)
 Electronics: DAE4 Sn1294, Calibrated: 11/13/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 29.6 V/m; Power Drift = -0.0189 dB
 Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.699 mW/g; SAR(10 g) = 0.472 mW/g
 Maximum value of SAR (measured) = 0.749 mW/g

System Performance Check/Dipole Area Scan 2 (5x25x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.748 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 0.751 mW/g



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/6/2013 1:53:47 PM

Robot#: DASY4-PG-1 | Run#: Lee-SYSP-300B-130306-08
 Dipole Model# D300V3
 Phantom#: ELI5 1150
 Tissue Temp: 21.0 (C)
 Serial#: 1003
 Test Freq: 300 (MHz)
 Start Power: 250 (mW)
 Rotation (ID): 0.052 dB
 Adjusted SAR (1W): 2.80 mW/g (1g)

Note:
 Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.700 mW/g (1g); 0.480 mW/g (10g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 300$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 57$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(6.56, 6.56, 6.56)
 Electronics: DAE4 Sn1294, Calibrated: 11/13/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

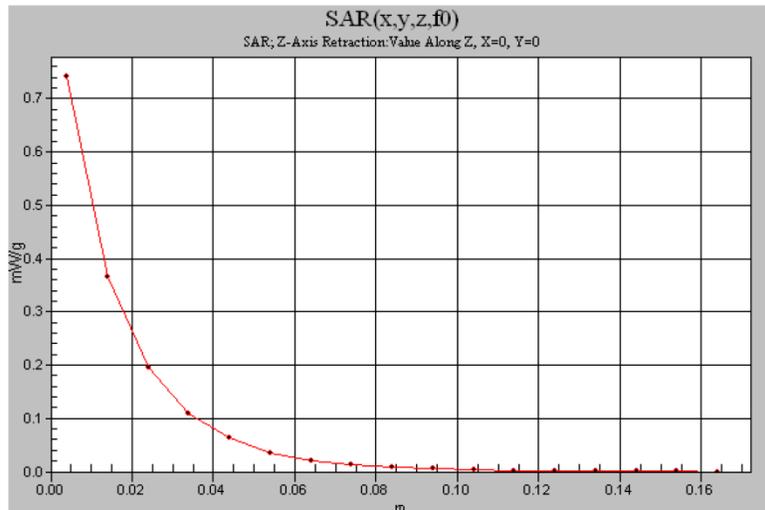
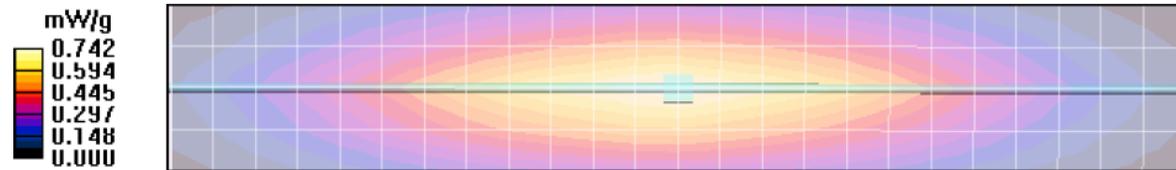
Reference Value = 29.2 V/m; Power Drift = -0.010 dB
 Peak SAR (extrapolated) = 0.999 W/kg
SAR(1 g) = 0.692 mW/g; SAR(10 g) = 0.477 mW/g
 Maximum value of SAR (measured) = 0.740 mW/g

System Performance Check/Dipole Area Scan 2 (5x25x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.738 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.742 mW/g



Motorola Solutions, Inc. EME Laboratory
 Date/Time: 3/7/2013 7:39:57 AM

Robot#: DASY4-PG-1 | Run#: CcC-SYSP-300B-130307-01
 Dipole Model# D300V3
 Phantom#: ELI5 1150
 Tissue Temp: 21.4 (C)
 Serial#: 1003
 Test Freq: 300 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.061 dB
 Adjusted SAR (1W): 2.76 mW/g (1g)

Note:
 Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.689 mW/g (1g); 0.473 mW/g (10g)

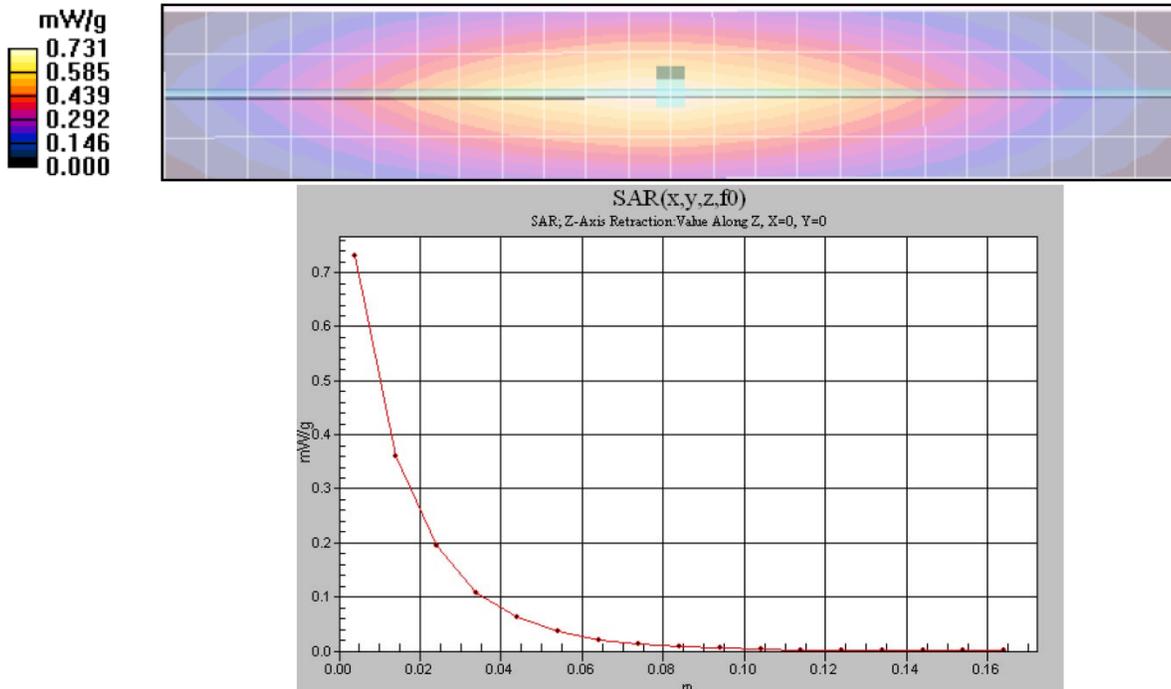
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 300$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 57$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(6.56, 6.56, 6.56)
 Electronics: DAE4 Sn1294, Calibrated: 11/13/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 28.9 V/m; Power Drift = 0.0143 dB
 Peak SAR (extrapolated) = 0.981 W/kg
SAR(1 g) = 0.681 mW/g; SAR(10 g) = 0.470 mW/g
 Maximum value of SAR (measured) = 0.729 mW/g

System Performance Check/Dipole Area Scan 2 (5x25x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.731 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm



Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/12/2013 3:14:45 PM

Robot#: DASY4-PG-1 | Run#: Lee-SYSP-300H-130312-10
 Dipole Model# D300V3
 Phantom#: ELI4 1103
 Tissue Temp: 21.0 (C)
 Serial#: 1003
 Test Freq: 300 (MHz)
 Start Power: 250 (mW)
 Rotation (ID): 0.058 dB
 Adjusted SAR (1W): 2.83 mW/g (1g)

Note:
 Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.707 mW/g (1g); 0.478 mW/g (10g)

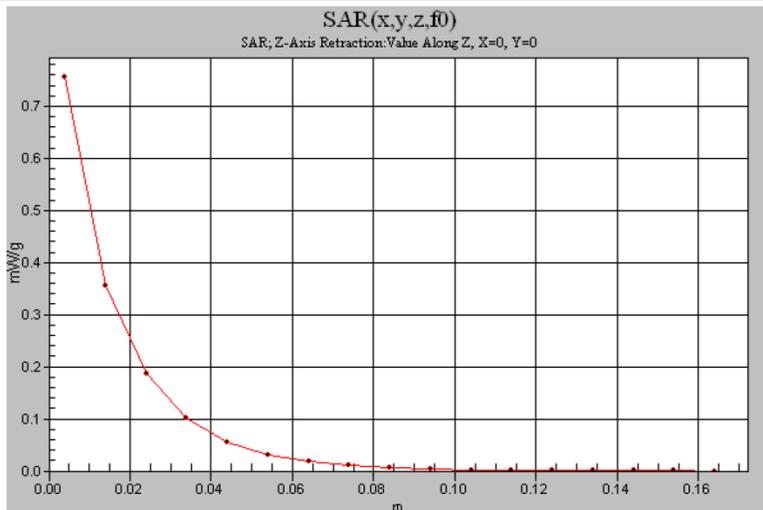
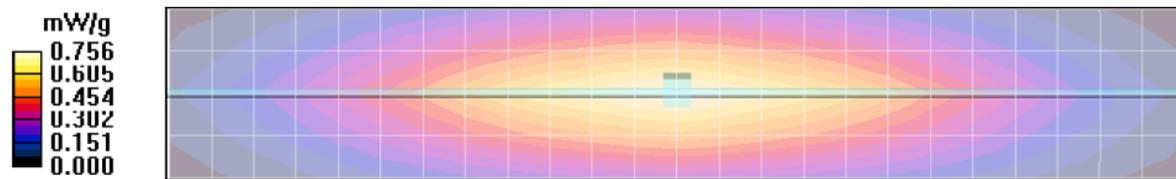
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 300$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_r = 46.4$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(6.75, 6.75, 6.75)
 Electronics: DAE4 Sn1294, Calibrated: 11/13/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 29.4 V/m; Power Drift = -0.00263 dB
 Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.701 mW/g; SAR(10 g) = 0.475 mW/g
 Maximum value of SAR (measured) = 0.748 mW/g

System Performance Check/Dipole Area Scan 2 (5x25x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.754 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 0.756 mW/g



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/29/2013 10:39:24 AM

Robot#: DASY4-PG-1 | Run#: Lee-SYSP-300B-130329-01
 Dipole Model#: D300V3
 Phantom#: ELI5 1150
 Tissue Temp: 21.0 (C)
 Serial#: 1003
 Test Freq: 300 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.050 dB
 Adjusted SAR (1W): 2.82 mW/g (1g)

Note:
 Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.706 mW/g (1g); 0.478 mW/g (10g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 300$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 56.4$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(6.56, 6.56, 6.56)
 Electronics: DAE4 Sn1294, Calibrated: 11/13/2012

System Performance Check/0-Degree Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

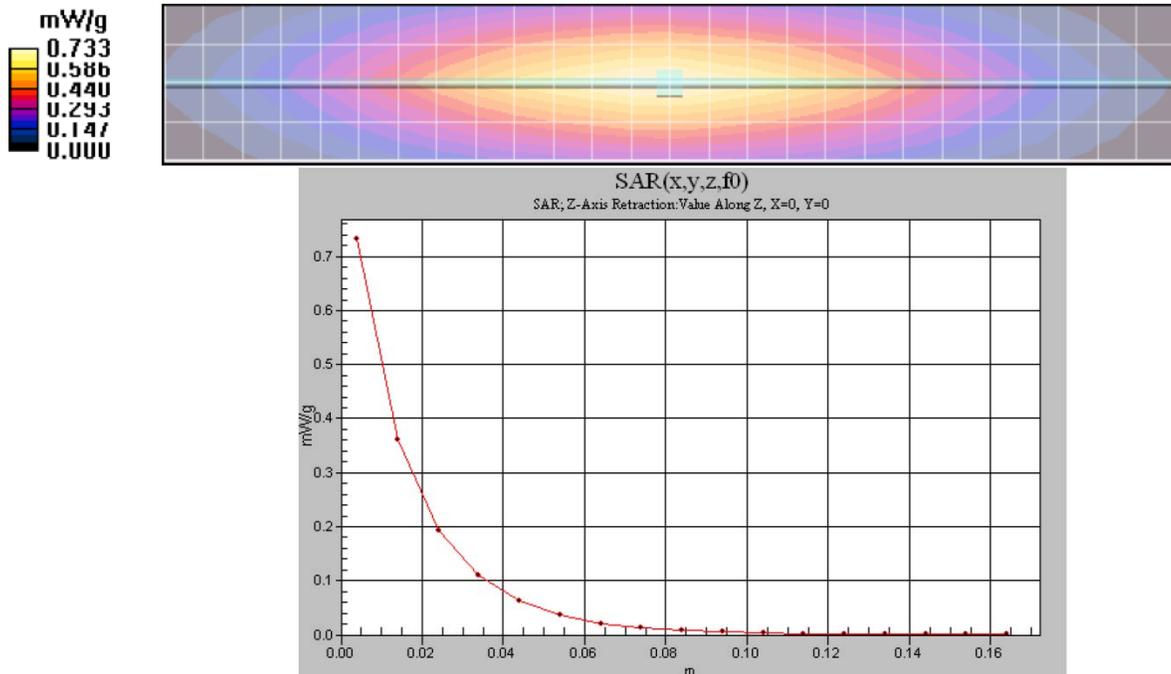
Reference Value = 29.2 V/m; Power Drift = -0.000425 dB
 Peak SAR (extrapolated) = 0.996 W/kg
SAR(1 g) = 0.686 mW/g; SAR(10 g) = 0.470 mW/g
 Maximum value of SAR (measured) = 0.736 mW/g

System Performance Check/Dipole Area Scan 2 (5x27x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.726 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.733 mW/g



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/1/2013 11:56:49 AM

Robot#: DASY5-PG-2 | Run#: Lee-SYSP-2450B-130401-01
 Dipole Model# D2450V2
 Phantom#: ELI5 1147
 Tissue Temp: 21.5 (C)
 Serial#: 782
 Test Freq: 2450 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.056 dB
 Adjusted SAR (1W): 53.60 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 2450$ MHz; $\sigma = 2.03$ mho/m; $\epsilon_r = 47.6$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3274, , ConvF(4.27, 4.27, 4.27); Calibrated: 11/13/2012
 Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.4a/System Performance Check/Dipole Area Scan 2 (5x5x1):

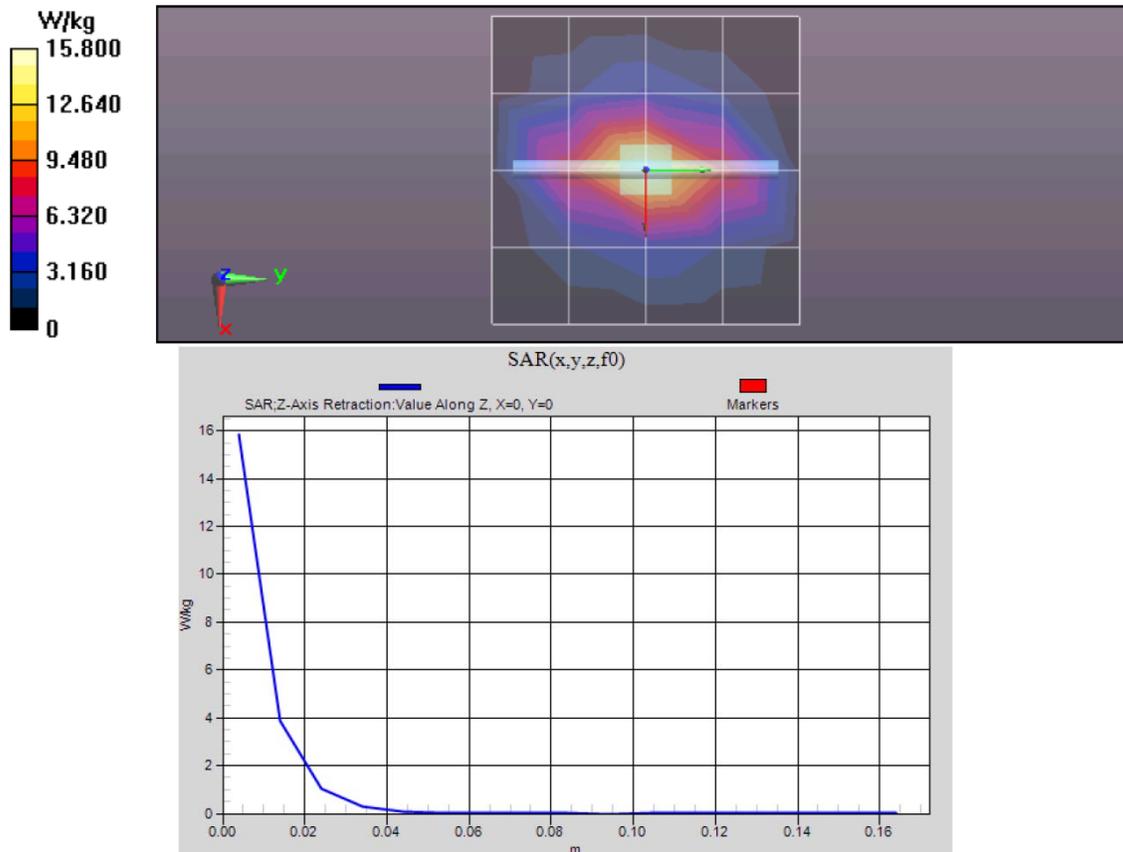
Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 15.9 W/kg

Below 3 GHz-Rev.4a/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 89.459 V/m; Power Drift = -0.02 dB
 Peak SAR (extrapolated) = 30.462 mW/g
SAR(1 g) = 13.4 mW/g; SAR(10 g) = 6.19 mW/g (SAR corrected for target medium)
 Maximum value of SAR (measured) = 15.8 W/kg

Below 3 GHz-Rev.4a/System Performance Check/Z-Axis Retraction (1x1x17):

Measurement grid: dx=20mm, dy=20mm, dz=10mm



APPENDIX E
Worse Case for Band 150.8-173.4 MHz DUT Scans
(Shortened Scan and Highest SAR configurations)

Shortened Scan Result Table 21

Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/7/2013 10:16:43 AM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130307-03
 Model#: PMUD3265A
 Phantom#: ELI5 1150
 Tissue Temp: 21.1 (C)
 Serial#: 105TPB0059
 Antenna: PMAD4121B
 Test Freq: 167.000 (MHz)
 Battery: PMNN4440A
 Carry Acc: PMLN6545A
 Audio Acc: PMMN4075A
 Start Power: 5.99 (W)

Note:
 Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.384 mW/g (1g); 1.482 mW/g (10g)

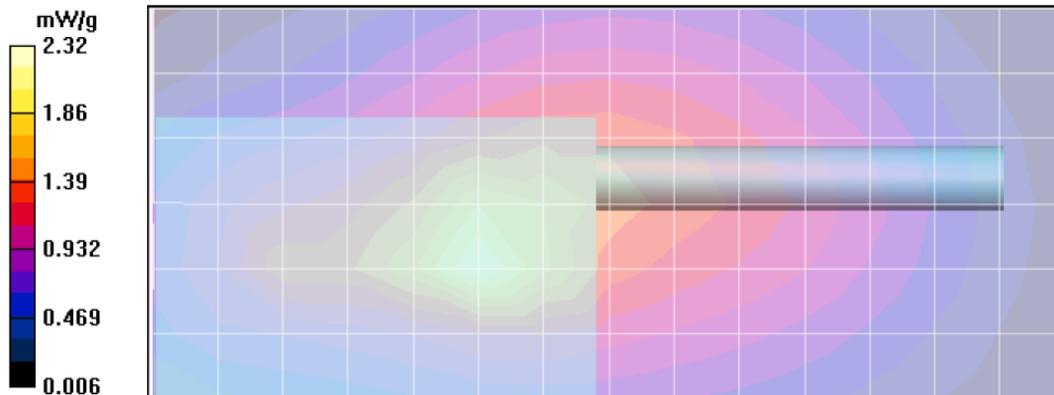
Comments: Shorten Scan.

Duty Cycle: 1:1, Medium parameters used: $f = 167$ MHz; $\sigma = 0.79$ mho/m; $\epsilon_r = 60.5$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(7.7, 7.7, 7.7)
 Electronics: DAE4 Sn1294, Calibrated: 11/13/2012

Ab Scan/1-Area Scan (61x141x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 45.4 V/m; Power Drift = -0.416 dB
Motorola Fast SAR: SAR(1 g) = 2.08 mW/g; SAR(10 g) = 1.46 mW/g
 Maximum value of SAR (interpolated) = 2.29 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 56.7 V/m; Power Drift = -0.306 dB
 Peak SAR (extrapolated) = 4.51 W/kg
SAR(1 g) = 2.37 mW/g; SAR(10 g) = 1.48 mW/g
 Maximum value of SAR (measured) = 2.54 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 2.32 mW/g



Shortened scan reflect highest SAR producing configuration; approximate run time is 7 minutes.
 Representative full scan run time was 19 minutes.
 “Shortened” scan max calculated SAR using SAR drift: 1-g Avg. = 1.28 mW/g; 10-g Avg. = 0.80 mW/g.
 Zoom scan max calculated SAR using SAR drift (see part 1 section 13.9): 1-g Avg. = 1.20 mW/g; 10-g Avg. = 0.75 mW/g. (Run# Lee-AB-130306-13, Table 14)

Body - Highest SAR Configuration Result
Table 14

Motorola Solutions, Inc. EME Laboratory
 Date/Time: 3/6/2013 4:29:52 PM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130306-13
 Model#: PMUD3265A
 Phantom#: ELI5 1150
 Tissue Temp: 20.7 (C)
 Serial#: 105TPB0059
 Antenna: PMAD4121B
 Test Freq: 167.000 (MHz)
 Battery: PMNN4440A
 Carry Acc: PMLN6545A
 Audio Acc: PMMN4075A
 Start Power: 5.98 (W)

Note:
 Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.117 mW/g (1g); 1.321 mW/g (10g)

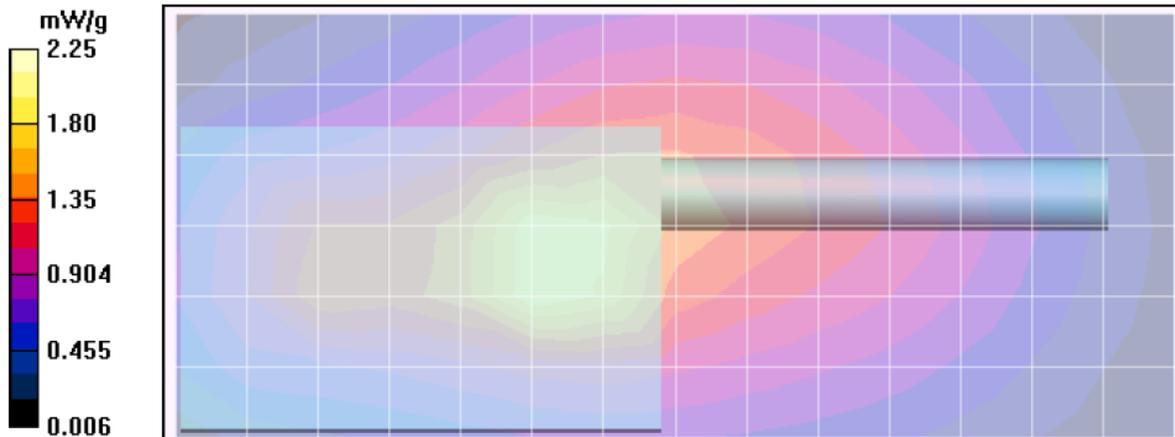
Comments: Full Scan.

Duty Cycle: 1:1, Medium parameters used: f = 167 MHz; $\sigma = 0.8$ mho/m; $\epsilon_r = 60.4$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(7.7, 7.7, 7.7)
 Electronics: DAE4 Sn1294, Calibrated: 11/13/2012

Ab Scan/1-Area Scan (61x141x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 44.8 V/m; Power Drift = -0.418 dB
Motorola Fast SAR: SAR(1 g) = 1.99 mW/g; SAR(10 g) = 1.43 mW/g
 Maximum value of SAR (interpolated) = 2.16 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 44.8 V/m; Power Drift = -0.519 dB
 Peak SAR (extrapolated) = 3.99 W/kg
SAR(1 g) = 2.11 mW/g; SAR(10 g) = 1.32 mW/g
 Maximum value of SAR (measured) = 2.24 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 2.25 mW/g



Face - Highest SAR Configuration Result
Table 18

Motorola Solutions, Inc. EME Laboratory
 Date/Time: 3/5/2013 2:51:52 PM

Robot#: DASY4-PG-1 | Run#: Lee-FACE-130305-08
 Model#: PMUD3265A
 Phantom#: ELI4 1103
 Tissue Temp: 21.1 (C)
 Serial#: 105TPB0100
 Antenna: PMAD4121B
 Test Freq: 167.000 (MHz)
 Battery: PMNN4440A
 Carry Acc: NONE
 Audio Acc: NONE
 Start Power: 5.99 (W)

Note:
 Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.967 mW/g (1g); 0.738 mW/g (10g)

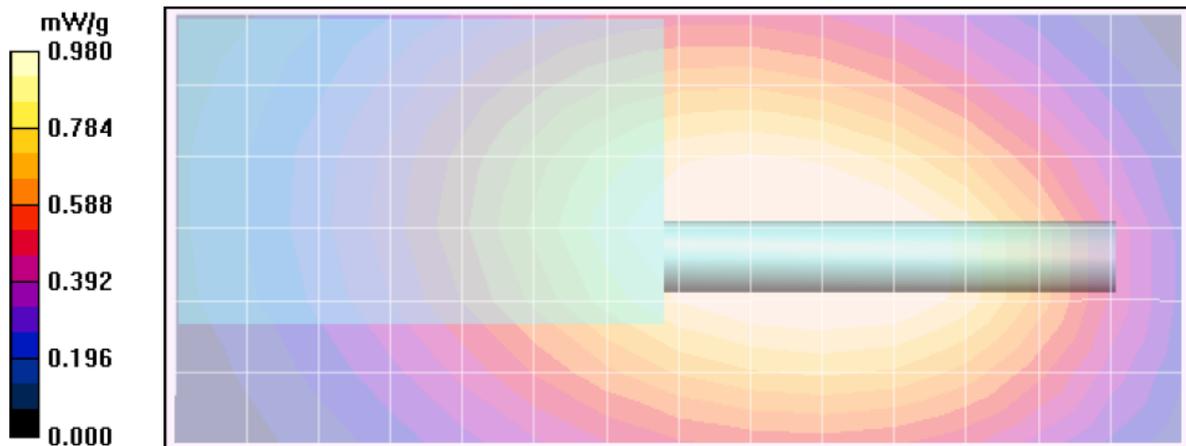
Comments: Full Scan.Using Extents: 45mm; Offsets:-22.5mm

Duty Cycle: 1:1, Medium parameters used: f = 167 MHz; $\sigma = 0.76$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(8, 8, 8)
 Electronics: DAE4 Sn1294, Calibrated: 11/13/2012

Face Scan/1-Area Scan (61x141x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 38.3 V/m; Power Drift = -0.403 dB
Motorola Fast SAR: SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.770 mW/g
 Maximum value of SAR (interpolated) = 1.06 mW/g

Face Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 38.3 V/m; Power Drift = -0.572 dB
 Peak SAR (extrapolated) = 1.28 W/kg
SAR(1 g) = 0.961 mW/g; SAR(10 g) = 0.736 mW/g
 Maximum value of SAR (measured) = 1.00 mW/g

Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 0.980 mW/g



APPENDIX F

DUT Scans FCC Rule Part 90 (150.8-173.4 MHz) and Part 15 (2402-2480 MHz)

***All scans are applicable for overall band and Industry Canada Frequency Range (150.05-174 MHz and 2402-2480 MHz) within Part 90 and Part 15**

Assessments at the Body with Body worn PMLN6545A
Table 14

Motorola Solutions, Inc. EME Laboratory
 Date/Time: 3/6/2013 4:29:52 PM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130306-13
 Model#: PMUD3265A
 Phantom#: ELI5 1150
 Tissue Temp: 20.7 (C)
 Serial#: 105TPB0059
 Antenna: PMAD4121B
 Test Freq: 167.000 (MHz)
 Battery: PMNN4440A
 Carry Acc: PMLN6545A
 Audio Acc: PMMN4075A
 Start Power: 5.98 (W)

Note:
 Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 2.117 mW/g (1g); 1.321 mW/g (10g)

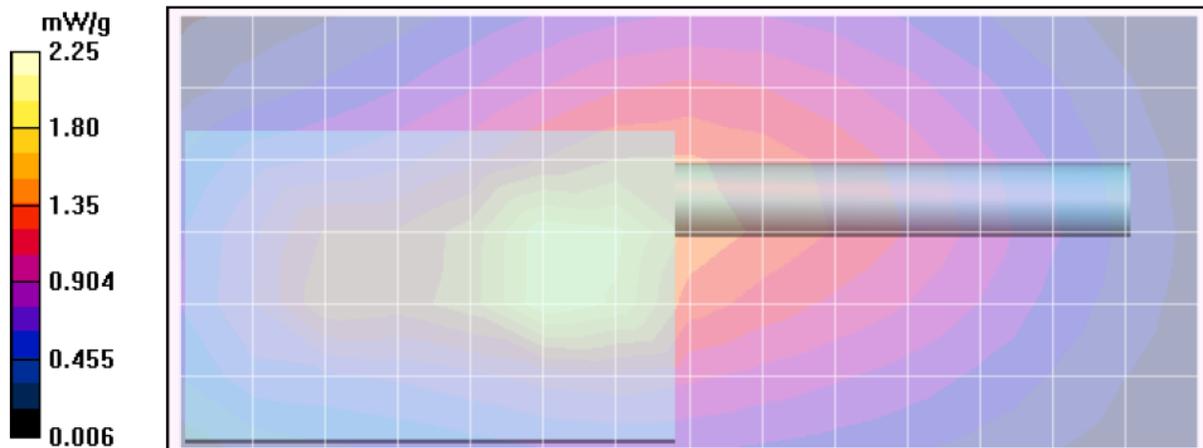
Comments: Full Scan.

Duty Cycle: 1:1, Medium parameters used: $f = 167$ MHz; $\sigma = 0.8$ mho/m; $\epsilon_r = 60.4$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(7.7, 7.7, 7.7)
 Electronics: DAE4 Sn1294, Calibrated: 11/13/2012

Ab Scan/1-Area Scan (61x141x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 44.8 V/m; Power Drift = -0.418 dB
Motorola Fast SAR: SAR(1 g) = 1.99 mW/g; SAR(10 g) = 1.43 mW/g
 Maximum value of SAR (interpolated) = 2.16 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 44.8 V/m; Power Drift = -0.519 dB
 Peak SAR (extrapolated) = 3.99 W/kg
SAR(1 g) = 2.11 mW/g; SAR(10 g) = 1.32 mW/g
 Maximum value of SAR (measured) = 2.24 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 2.25 mW/g



Assessments of wireless BT configuration at the Body
Table 15

Motorola Solutions, Inc. EME Laboratory
 Date/Time: 3/29/2013 11:16:35 AM

Robot#: DASY4-PG-1 | Run#: Lee-AB-130329-02
 Model#: PMUD3265A
 Phantom#: ELI5 1150
 Tissue Temp: 21.0 (C)
 Serial#: 105TPB0100
 Antenna: PMAD4121B
 Test Freq: 167.000 (MHz)
 Battery: PMNN4440A
 Carry Acc: PMLN6545A
 Audio Acc: NONE
 Start Power: 5.96 (W)

Note:
 Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 1.443 mW/g (1g); 0.949 mW/g (10g)

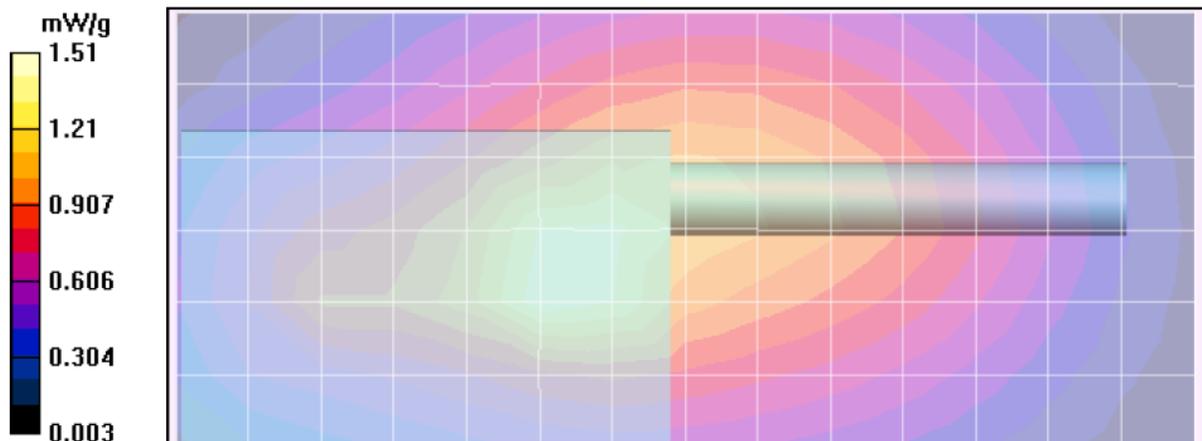
Comments: Full Scan.

Duty Cycle: 1:1, Medium parameters used: f = 167 MHz; $\sigma = 0.78$ mho/m; $\epsilon_r = 60$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(7.7, 7.7, 7.7)
 Electronics: DAE4 Sn1294, Calibrated: 11/13/2012

Ab Scan/1-Area Scan (61x141x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 40.4 V/m; Power Drift = -0.616 dB
Motorola Fast SAR: SAR(1 g) = 1.38 mW/g; SAR(10 g) = 1.02 mW/g
 Maximum value of SAR (interpolated) = 1.49 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 40.4 V/m; Power Drift = -0.765 dB
 Peak SAR (extrapolated) = 2.48 W/kg
SAR(1 g) = 1.42 mW/g; SAR(10 g) = 0.941 mW/g
 Maximum value of SAR (measured) = 1.54 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 1.51 mW/g



Assessments at the Face
Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/5/2013 2:51:52 PM

Robot#: DASY4-PG-1 | Run#: Lee-FACE-130305-08
 Model#: PMUD3265A
 Phantom#: ELI4 1103
 Tissue Temp: 21.1 (C)
 Serial#: 105TPB0100
 Antenna: PMAD4121B
 Test Freq: 167.000 (MHz)
 Battery: PMNN4440A
 Carry Acc: NONE
 Audio Acc: NONE
 Start Power: 5.99 (W)

Note:
 Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.967 mW/g (1g); 0.738 mW/g (10g)

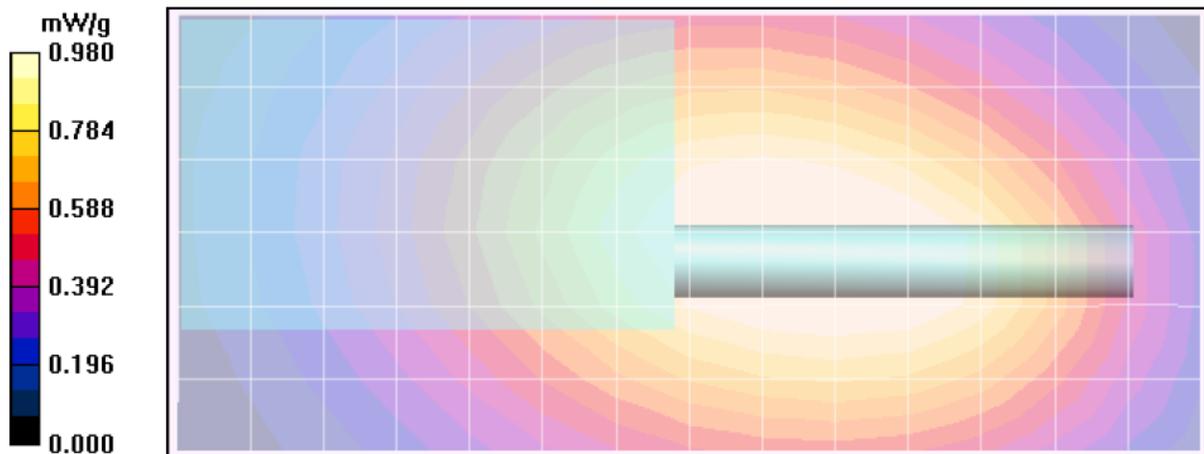
Comments: Full Scan.Using Extents: 45mm; Offsets:-22.5mm

Duty Cycle: 1:1, Medium parameters used: f = 167 MHz; $\sigma = 0.76$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(8, 8, 8)
 Electronics: DAE4 Sn1294, Calibrated: 11/13/2012

Face Scan/1-Area Scan (61x141x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 38.3 V/m; Power Drift = -0.403 dB
Motorola Fast SAR: SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.770 mW/g
 Maximum value of SAR (interpolated) = 1.06 mW/g

Face Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 38.3 V/m; Power Drift = -0.572 dB
 Peak SAR (extrapolated) = 1.28 W/kg
SAR(1 g) = 0.961 mW/g; SAR(10 g) = 0.736 mW/g
 Maximum value of SAR (measured) = 1.00 mW/g

Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 0.980 mW/g



**Assessments for Bluetooth
Table 20**

**Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/1/2013 1:09:19 PM**

Robot#: DASY5-PG-2 | Run#: Lee-AB-130401-03
 Model#: PMUD3265A
 Phantom#: ELI5 1147
 Tissue Temp: 21.0 (C)
 Serial#: 105TPB0100
 Antenna: BT and PMAD4121B
 Test Freq: 2441.000 (MHz)
 Battery: PMNN4440A
 Carry Acc: PMLN6545A
 Audio Acc: NONE
 Start Power: 0.01 (W)

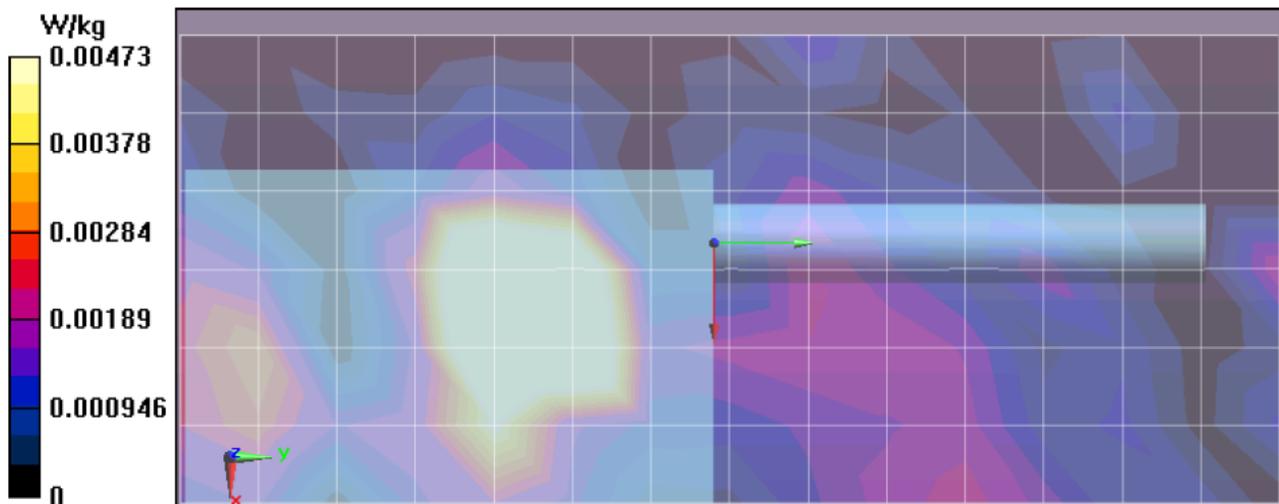
Comments: Shorten Scan

Duty Cycle: 1:1, Medium parameters used: $f = 2441$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 47.7$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3274, , ConvF(4.27, 4.27, 4.27); Calibrated: 11/13/2012
 Electronics: DAE4 Sn684, Calibrated: 12/17/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 0.758 V/m; Power Drift = -4.51 dB
Fast SAR: SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00544 mW/g (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.0184 W/kg

Below 3 GHz-Rev.5/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 1.540 V/m; Power Drift = -0.16 dB
 Peak SAR (extrapolated) = 0.027 mW/g
SAR(1 g) = 0.00891 mW/g; SAR(10 g) = 0.00456 mW/g (SAR corrected for target medium)
 Maximum value of SAR (measured) = 0.00991 W/kg

Below 3 GHz-Rev.5/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 0.00473 W/kg



APPENDIX G
DUT Scans Outside Part 90 (136-150 MHz)

***All scans are applicable for overall band and Industry Canada Frequency Range (138-144 MHz and 148-149.9 MHz) outside Part 90**

****Data from 136-150 MHz enclosed for this Appendix is not applicable for FCC Part 90.**

**Assessments outside FCC Part 90 for the Body
Table 16**

**Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/6/2013 3:59:00 PM**

Robot#: DASY4-PG-1 | Run#: Lee-AB-130306-12
 Model#: PMUD3265A
 Phantom#: ELI5 1150
 Tissue Temp: 20.9 (C)
 Serial#: 105TPB0100
 Antenna: PMAD4120A
 Test Freq: 146.000 (MHz)
 Battery: PMNN4440A
 Carry Acc: PMLN6545A
 Audio Acc: PMMN4075A
 Start Power: 5.83 (W)

Note:
 Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.652 mW/g (1g); 0.454 mW/g (10g)

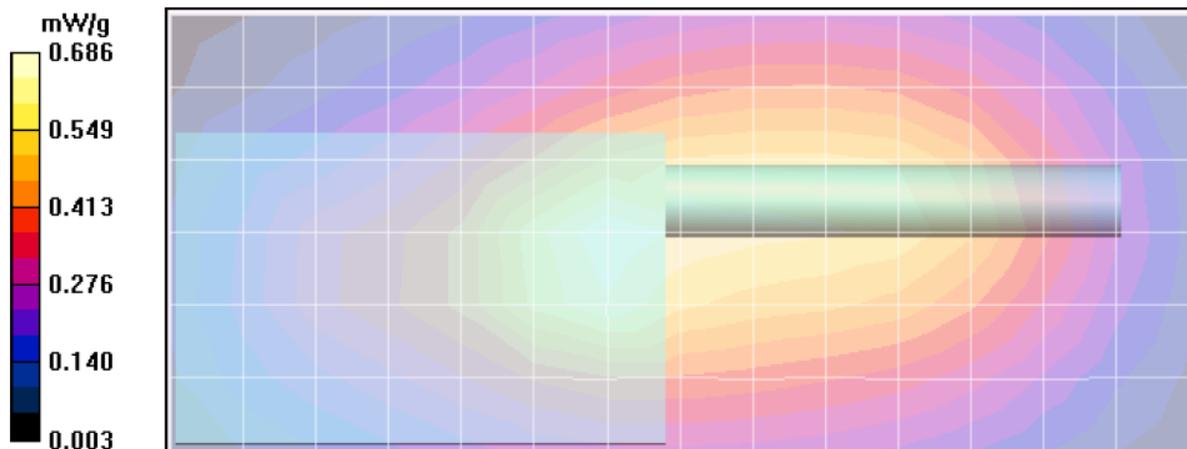
Comments: Full Scan.

Duty Cycle: 1:1, Medium parameters used: f = 146 MHz; $\sigma = 0.79$ mho/m; $\epsilon_r = 60.8$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(7.7, 7.7, 7.7)
 Electronics: DAE4 Sn1294, Calibrated: 11/13/2012

Ab Scan/1-Area Scan (61x141x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 28.3 V/m; Power Drift = -0.299 dB
Motorola Fast SAR: SAR(1 g) = 0.655 mW/g; SAR(10 g) = 0.485 mW/g
 Maximum value of SAR (interpolated) = 0.693 mW/g

Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 28.3 V/m; Power Drift = -0.465 dB
 Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.651 mW/g; SAR(10 g) = 0.454 mW/g
 Maximum value of SAR (measured) = 0.694 mW/g

Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 0.686 mW/g



**Assessments outside FCC Part 90 for the Face
Table 19**

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/6/2013 10:27:13 AM

Robot#: DASY4-PG-1 | Run#: Lee-FACE-130306-04
 Model#: PMUD3265A
 Phantom#: ELI4 1103
 Tissue Temp: 21.0 (C)
 Serial#: 105TPB0100
 Antenna: PMAD4119A
 Test Freq: 142.000 (MHz)
 Battery: PMNN4440A
 Carry Acc: NONE
 Audio Acc: NONE
 Start Power: 5.80 (W)

Note:
 Prior to recording the Reported SAR values below, the Measured SAR values were corrected for tissue frequencies from 136 MHz to 3 GHz.

Reported SAR: 0.818 mW/g (1g); 0.624 mW/g (10g)

Comments: Full Scan.Reduce area scan & Zoom Scan Using Extents: 45mm; Offsets:-22.5mm

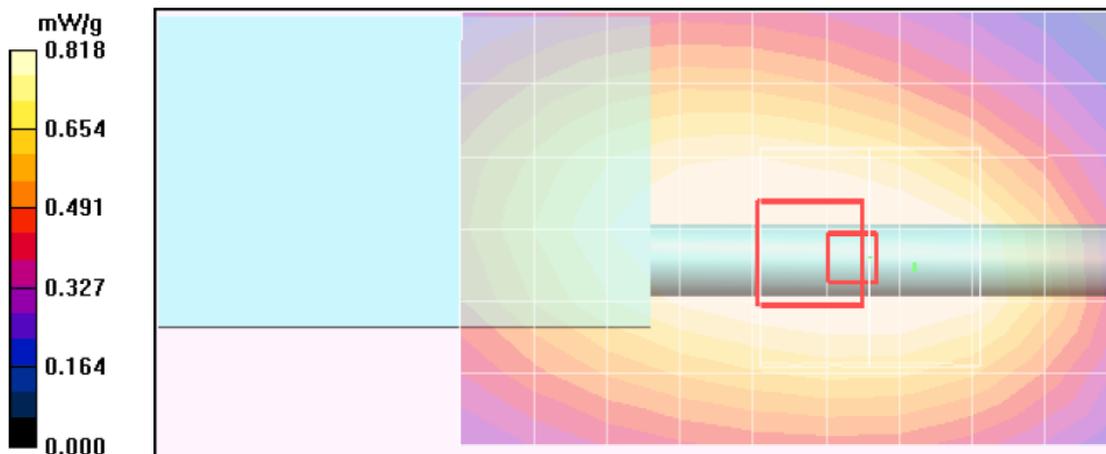
Duty Cycle: 1:1, Medium parameters used: f = 142 MHz; $\sigma = 0.72$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, Calibrated: 11/13/2012, ConvF(8, 8, 8)
 Electronics: DAE4 Sn1294, Calibrated: 11/13/2012

Face Scan/1-Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 34.7 V/m; Power Drift = -0.041 dB
Motorola Fast SAR: SAR(1 g) = 0.842 mW/g; SAR(10 g) = 0.641 mW/g
 Maximum value of SAR (interpolated) = 0.879 mW/g

Face Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 34.7 V/m; Power Drift = -0.204 dB
 Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.812 mW/g; SAR(10 g) = 0.623 mW/g

Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.
 Maximum value of SAR (measured) = 0.847 mW/g

Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 0.818 mW/g



APPENDIX H DUT Supplementary Data (Power slump)

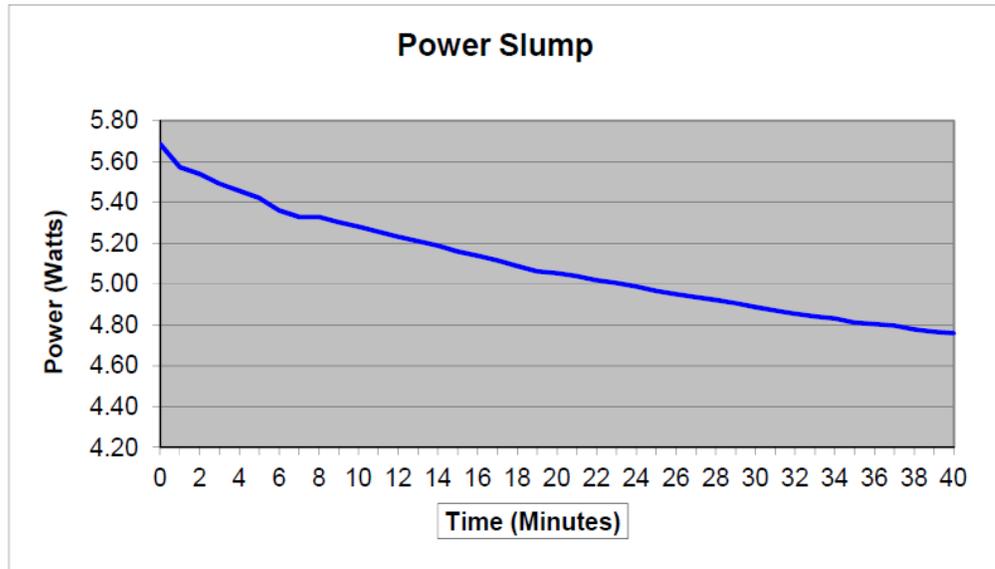
Power Slump Model # : PMUD3265A

Serial # : 105TPB0059

Battery: PMNN4440A
 Frequency: 167 MHz
 Date: 3/19/2013

Transmit Mode: CW
 Audio Accessory: PMMN4075A

Tx Time (Minutes)	Measure Power (Watts)
0.0	5.69
1.0	5.57
2.0	5.54
3.0	5.49
4.0	5.46
5.0	5.42
6.0	5.36
7.0	5.33
8.0	5.33
9.0	5.30
10.0	5.28
11.0	5.26
12.0	5.23
13.0	5.21
14.0	5.19
15.0	5.16
16.0	5.14
17.0	5.12
18.0	5.09
19.0	5.06
20.0	5.05
21.0	5.04
22.0	5.02
23.0	5.01
24.0	4.99
25.0	4.97
26.0	4.95
27.0	4.94
28.0	4.92
29.0	4.91
30.0	4.89
31.0	4.87
32.0	4.85
33.0	4.84
34.0	4.83
35.0	4.81
36.0	4.80
37.0	4.80
38.0	4.78
39.0	4.77
40.0	4.76



APPENDIX I
DUT Test Position Photos

Photos available in Exhibit 7B

APPENDIX J
DUT, Body worn and Audio Accessory Photos

Photos available in Exhibit 7B