MOTOROLA SOLUTIONS

ACCREDITED
TESTING CERT # 2518.01

DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2

Motorola Solutions Inc.
EME Test Laboratory
8000 West Sunrise Blvd
Fort Lauderdale, FL. 33322

Date of Report: 03/13/2014
Report Revision: B
Report ID: SR11909_H84QDH9PW7AN Rev B 140313

Responsible Engineer:	Mac Elliott (Principle Staff Engineer)
Report Author:	Mac Elliott (Principle Staff Engineer)
Date/s Tested:	12/21/13 – 12/22/13; 1/08/14
Manufacturer/Location:	Motorola Solutions Inc., Penang
Sector/Group/Div.:	AESS – Astro Engineering Subscriber Solutions
Date submitted for test:	12/17/13
DUT Description:	Handheld Portable - 380-470MHz, 5.0W rated power, 6.25KHz/12.5KHz/25KHz, Capable of FM and TDMA transmission
Test TX mode(s):	CW (PTT)
Max. Power output:	5.7W (380-470MHz)
Nominal Power:	5.0W (380-470MHz)
Tx Frequency Bands:	380MHz-470MHz
Signaling type:	FM, TDMA
Model(s) Tested:	H84QDH9PW7AN (MUE4386)
Model(s) Certified:	H84QDH9PW7AN (MUE4386)
Serial Number(s):	837TPX0078 & 837TPX0064
Classification:	Occupational/Controlled
FCC ID:	AZ489FT4917; Rule Part 90 (406.1-470MHz) This report contains results that are immaterial for FCC equipment approval, which are clearly identified. Only apply when applicable.
IC:	109U-89FT4917 (406.1-430MHz & 450-470MHz)

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.

Deanna Zakharia Zakharia Deanna-EDC015 Digitally signed by Zakharia Deanna-EDC015 DN: cn=Zakharia Deanna-EDC015 Date: 2014.03.13 14:54:32 -04'00'

Deanna Zakharia
EMS EME Lab Senior Resource Manager, Laboratory Director
Approval Date: 3/13/2014

Certification Date: 3/5/2014

Certification No.: L1140301P

APPENDIX D
System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/21/2013 2:50:15 AM

Robot#: DASY5-FL-3 | Run#:	HvH-SYSP-450B-131221-01
Dipole Model#	D450V3
Phantom#:	OVAL1011
Tissue Temp:	21.8 (C)
Serial#:	1075
Test Freq:	450 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.039 dB
Adjusted SAR (1W):	4.32 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; σ = 0.94 S/m; ε_r = 56.2; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 450 MHz, ConvF(7.11, 7.11, 7.11); Calibrated: 8/27/2013
Electronics: DAE4 Sn1231, Calibrated: 3/12/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (41x81x1):

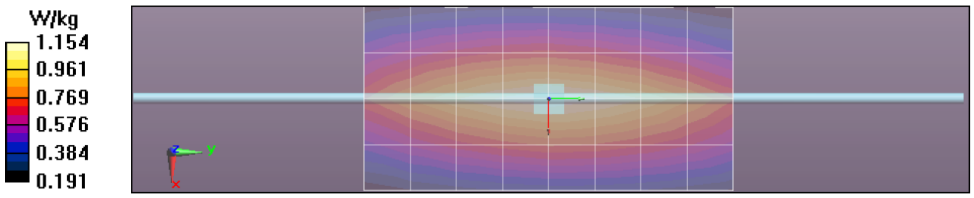
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 35.092 V/m; Power Drift = 0.01 dB
Fast SAR: SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.760 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.15 W/kg

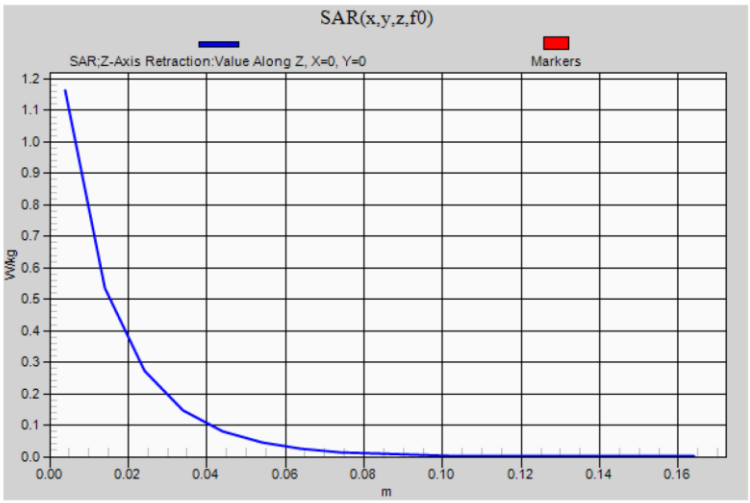
Below 2 GHz-Rev.1/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 35.092 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.718 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.16 W/kg

Below 2 GHz-Rev.1/System Performance Check/Z-Axis Retraction (1x1x17):

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





Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/22/2013 9:15:09 AM

Robot#: DASY5-FL-3 | Run#: HvH-SYSP-450B-131222-08
Dipole Model# D450V3
Phantom#: OVAL1011
Tissue Temp: 21.9 (C)
Serial#: 1075
Test Freq: 450 (MHz)
Start Power: 250 (mW)
Rotation (1D): 0.034 dB
Adjusted SAR (1W): 4.32 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; σ = 0.94 S/m; ε_r = 56.4; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 450 MHz, ConvF(7.11, 7.11, 7.11); Calibrated: 8/27/2013
Electronics: DAE4 Sn1231, Calibrated: 3/12/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (41x81x1):

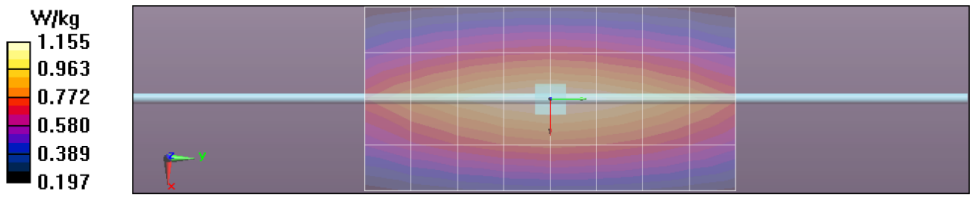
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 35.193 V/m; Power Drift = 0.02 dB
Fast SAR: SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.764 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.16 W/kg

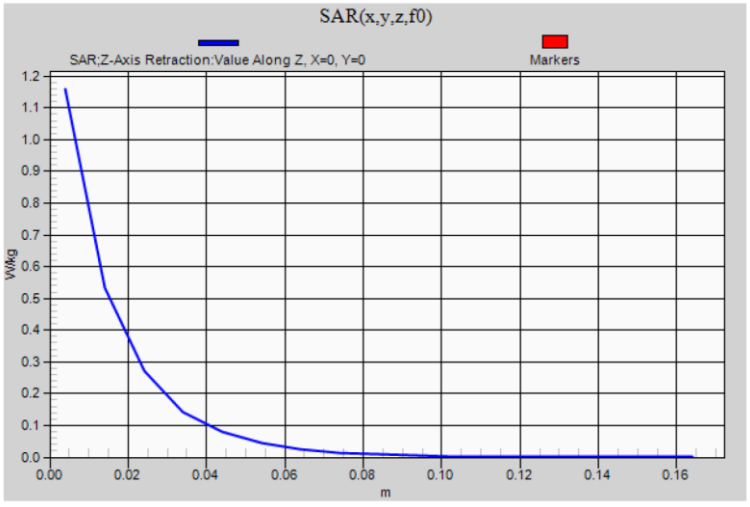
Below 2 GHz-Rev.1/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 35.193 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.719 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.16 W/kg

Below 2 GHz-Rev.1/System Performance Check/Z-Axis Retraction (1x1x17):

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





Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/22/2013 3:43:17 AM

Robot#: DASY5-FL-3 | Run#:	HvH-SYSP-450H-131222-01
Dipole Model#	D450V3
Phantom#:	OVAL1020
Tissue Temp:	20.8 (C)
Serial#:	1075
Test Freq:	450 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.035 dB
Adjusted SAR (1W):	4.28 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; σ = 0.9 S/m; ε_r = 44.1; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 450 MHz, ConvF(6.85, 6.85, 6.85); Calibrated: 8/27/2013
Electronics: DAE4 Sn1231, Calibrated: 3/12/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (41x81x1):

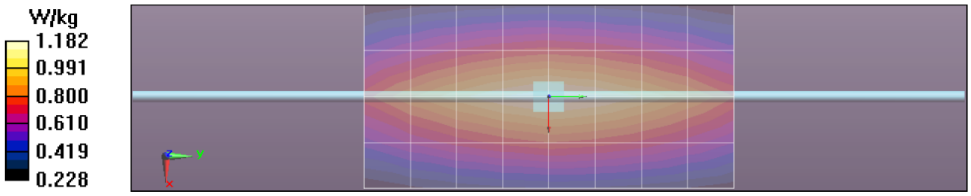
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 36.895 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.765 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.18 W/kg

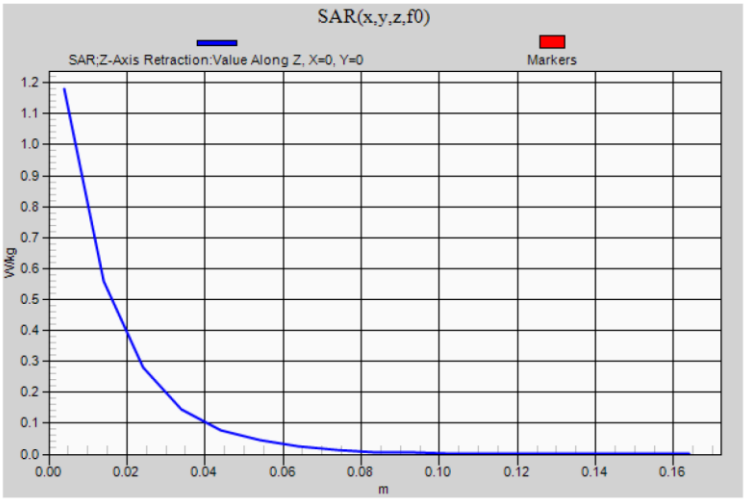
Below 2 GHz-Rev.1/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 36.895 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.722 W/kg (SAR corrected for target medium)

Below 2 GHz-Rev.1/System Performance Check/Z-Axis Retraction (1x1x17):

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





Motorola Solutions, Inc. EME Laboratory

Date/Time: 1/8/2014 8:38:26 AM

Robot#: DASY5-FL-3 | Run#:	HvH-SYSP-450B-140108-01
Dipole Model#	D450V3
Phantom#:	OVAL1011
Tissue Temp:	21.5 (C)
Serial#:	1075
Test Freq:	450 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.036 dB
Adjusted SAR (1W):	4.20 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; σ = 0.94 S/m; ε_r = 55.5; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 450 MHz, ConvF(7.11, 7.11, 7.11); Calibrated: 8/27/2013
Electronics: DAE4 Sn1231, Calibrated: 3/12/2013

Below 2 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (41x81x1):

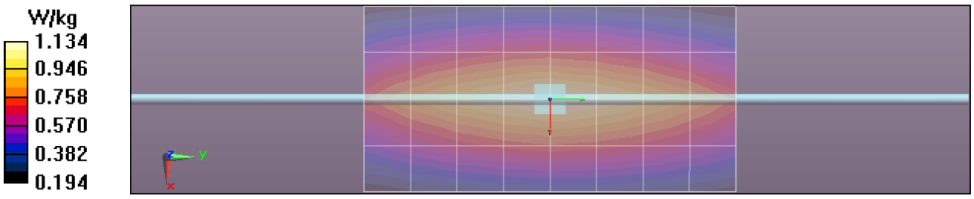
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 34.697 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.741 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.13 W/kg

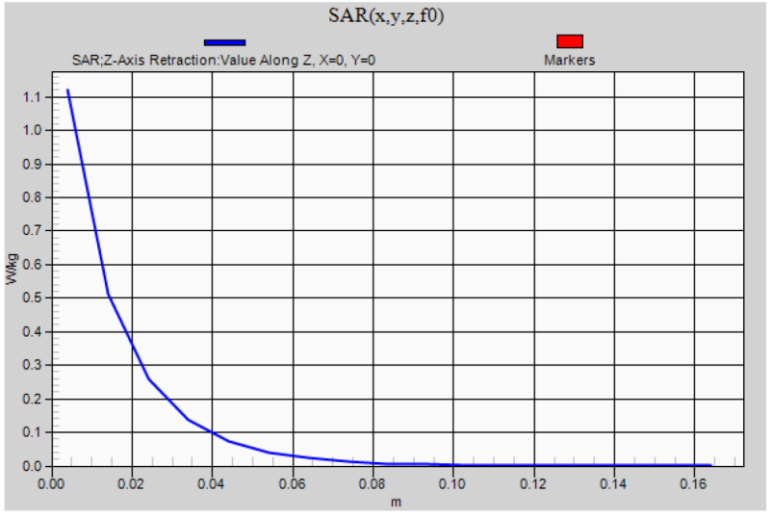
Below 2 GHz-Rev.1/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 34.697 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.695 W/kg (SAR corrected for target medium)

Below 2 GHz-Rev.1/System Performance Check/Z-Axis Retraction (1x1x17):

Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.12 W/kg





APPENDIX E
DUT Scans

Assessments at the Body with body worn PMLN7008A
Table 17

Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/21/2013 5:42:58 AM

Robot#: DASY5-FL-3 | Run#: HvH-Ab-131221-05
Model#: H84QDH9PW7AN(MUE4386)
Phantom#: OVAL1011
Tissue Temp: 21.4 (C)
Serial#: 837TPX0078
Antenna: PMAE4065A
Test Freq: 406.1250 (MHz)
Battery: PMNN4448AR
Carry Acc: PMLN7008A
Audio Acc: PMLN6130A
Start Power: 5.42 (W)

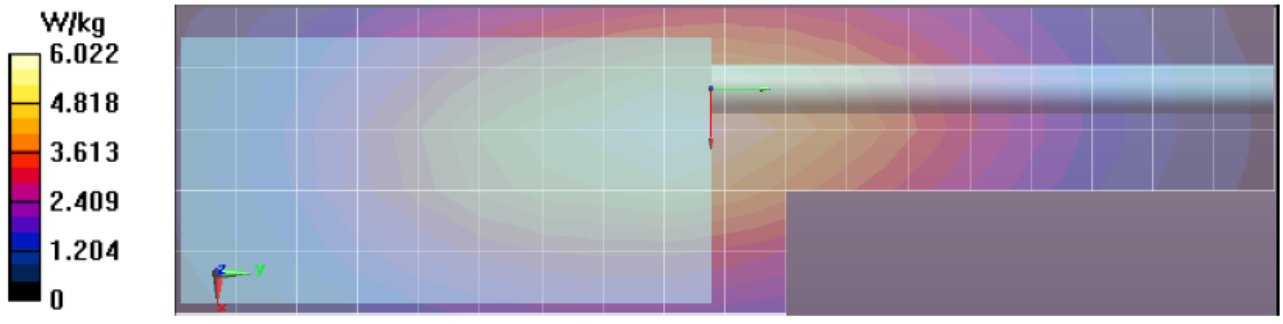
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 406 MHz; σ = 0.91 S/m; ε_r = 56.8; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 406.125 MHz, ConvF(7.11, 7.11, 7.11); Calibrated: 8/27/2013
Electronics: DAE4 Sn1231, Calibrated: 3/12/2013

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (51x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 68.166 V/m; Power Drift = 0.38 dB
Fast SAR: SAR(1 g) = 5.83 W/kg; SAR(10 g) = 4.2 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 6.03 W/kg

Below 2 GHz-Rev.1/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 68.166 V/m; Power Drift = 0.40 dB
Peak SAR (extrapolated) = 8.20 W/kg
SAR(1 g) = 5.99 W/kg; SAR(10 g) = 4.31 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.17 W/kg

Below 2 GHz-Rev.1/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 6.14 W/kg



Assessments at the Body with body worn PMLN4651A
Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/8/2014 9:24:01 AM

Robot#: DASY5-FL-3 | Run#: HvH-Ab-140108-02
Model#: H84QDH9PW7AN(MUE4386)
Phantom#: OVAL1011
Tissue Temp: 21.4 (C)
Serial#: 837TPX0064
Antenna: PMAE4065A
Test Freq: 406.1250 (MHz)
Battery: PMNN4448AR
Carry Acc: PMLN4651A
Audio Acc: PMLN6130A
Start Power: 5.13 (W)

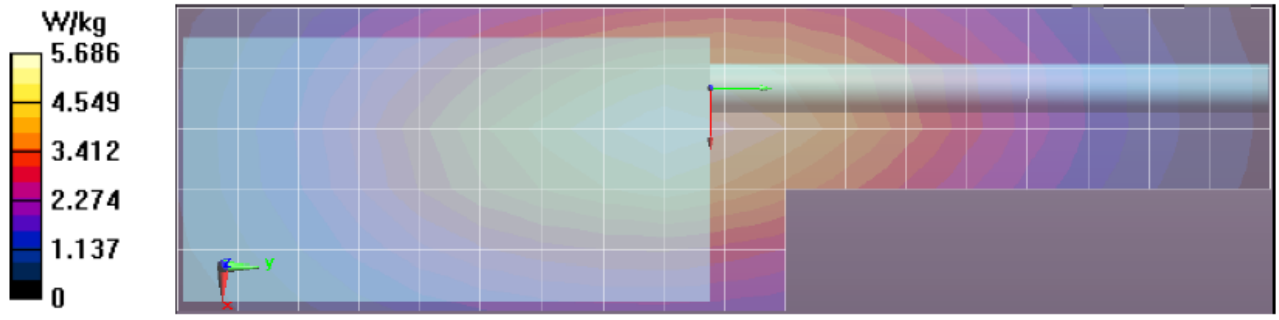
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 406 MHz; σ = 0.9 S/m; ε_r = 56; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 406.125 MHz, ConvF(7.11, 7.11, 7.11); Calibrated: 8/27/2013
Electronics: DAE4 Sn1231, Calibrated: 3/12/2013

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (51x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 65.719 V/m; Power Drift = 0.59 dB
Fast SAR: SAR(1 g) = 5.54 W/kg; SAR(10 g) = 3.99 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.69 W/kg

Below 2 GHz-Rev.1/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 65.719 V/m; Power Drift = 0.62 dB
Peak SAR (extrapolated) = 8.08 W/kg
SAR(1 g) = 5.92 W/kg; SAR(10 g) = 4.24 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.18 W/kg

Below 2 GHz-Rev.1/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 5.78 W/kg



Assessments at the Body with Body worn PMLN6085A
Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/21/2013 9:53:43 AM

Robot#: DASY5-FL-3 | Run#: HvH-Ab-131221-13
Model#: H84QDH9PW7AN(MUE4386)
Phantom#: OVAL1011
Tissue Temp: 21.3 (C)
Serial#: 837TPX0078
Antenna: PMAE4065A
Test Freq: 406.1250 (MHz)
Battery: PMNN4448AR
Carry Acc: PMLN6085A
Audio Acc: PMLN6130A
Start Power: 5.42 (W)

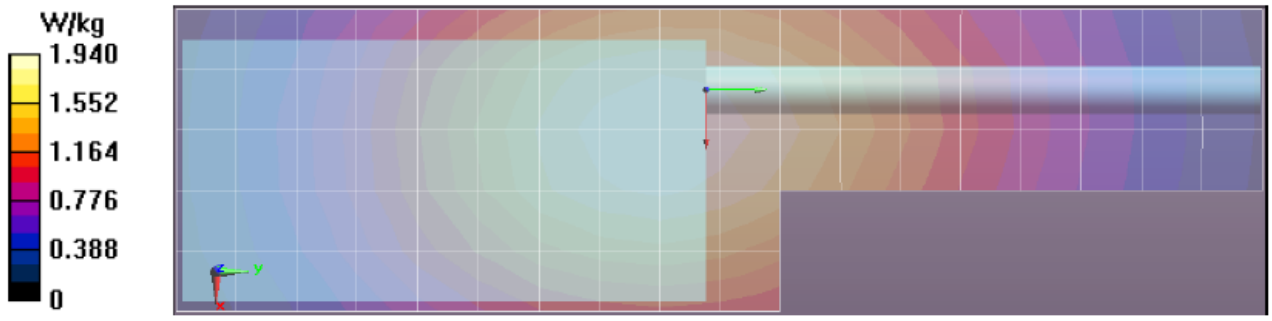
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 406 MHz; σ = 0.91 S/m; ε_r = 56.8; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 406.125 MHz, ConvF(7.11, 7.11, 7.11); Calibrated: 8/27/2013
Electronics: DAE4 Sn1231, Calibrated: 3/12/2013

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (51x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 41.542 V/m; Power Drift = 0.30 dB
Fast SAR: SAR(1 g) = 1.9 W/kg; SAR(10 g) = 1.4 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.94 W/kg

Below 2 GHz-Rev.1/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 41.542 V/m; Power Drift = 0.27 dB
Peak SAR (extrapolated) = 2.48 W/kg
SAR(1 g) = 1.94 W/kg; SAR(10 g) = 1.48 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.98 W/kg

Below 2 GHz-Rev.1/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.97 W/kg



Assessments at the Body with Body worn PMLN6085A w/ NTN5243A
Table 20

Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/21/2013 12:01:31 PM

Robot#: DASY5-FL-3 | Run#: HvH-Ab-131221-17
Model#: H84QDH9PW7AN(MUE4386)
Phantom#: OVAL1011
Tissue Temp: 21.3 (C)
Serial#: 837TPX0078
Antenna: PMAE4065A
Test Freq: 406.1250 (MHz)
Battery: PMNN4448AR
Carry Acc: PMLN6085A w/NNTN5243A w/no loop
Audio Acc: PMLN6130A
Start Power: 5.43 (W)

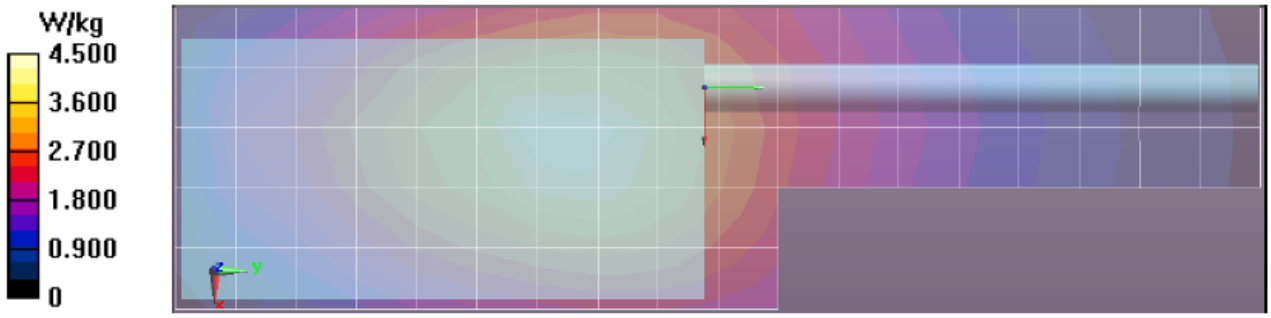
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 406 MHz; σ = 0.91 S/m; ε_r = 56.8; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 406.125 MHz, ConvF(7.11, 7.11, 7.11); Calibrated: 8/27/2013
Electronics: DAE4 Sn1231, Calibrated: 3/12/2013

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (51x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 60.931 V/m; Power Drift = 0.54 dB
Fast SAR: SAR(1 g) = 4.41 W/kg; SAR(10 g) = 3.19 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 4.58 W/kg

Below 2 GHz-Rev.1/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 60.931 V/m; Power Drift = 0.51 dB
Peak SAR (extrapolated) = 6.50 W/kg
SAR(1 g) = 4.55 W/kg; SAR(10 g) = 3.28 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.68 W/kg

Below 2 GHz-Rev.1/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 4.67 W/kg



Assessments at the Body with Body worn PMLN7008A
Table 22

Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/22/2013 5:18:52 AM

Robot#: DASY5-FL-3 | Run#: HvH-Face-131222-02
Model#: H84QDH9PW7AN(MUE4386)
Phantom#: OVAL1020
Tissue Temp: 20.9 (C)
Serial#: 837TPX0078
Antenna: PMAE4065A
Test Freq: 406.1250 (MHz)
Battery: PMNN4448AR
Carry Acc: None @ front
Audio Acc: None
Start Power: 5.42 (W)

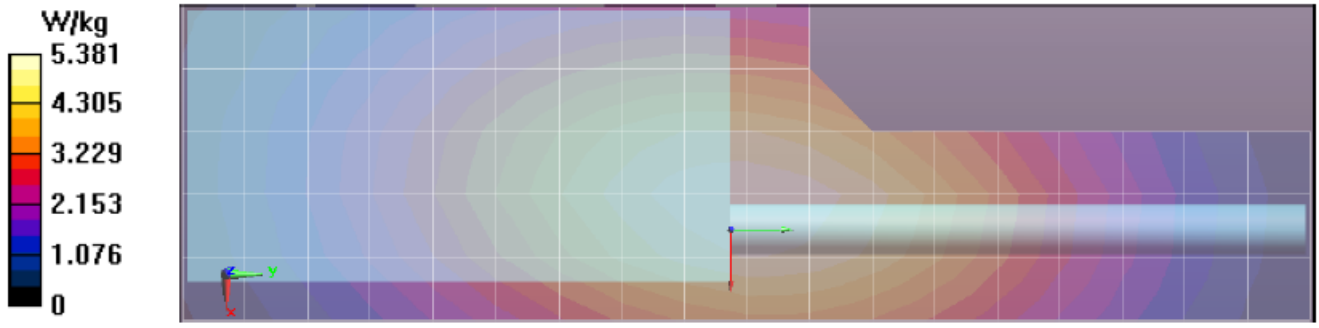
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 406 MHz; σ = 0.86 S/m; ε_r = 45; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 406.125 MHz, ConvF(6.85, 6.85, 6.85); Calibrated: 8/27/2013
Electronics: DAE4 Sn1231, Calibrated: 3/12/2013

Below 2 GHz-Rev.1/Face Scan/1-Area Scan (51x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 69.891 V/m; Power Drift = 0.31 dB
Fast SAR: SAR(1 g) = 5.23 W/kg; SAR(10 g) = 3.85 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.40 W/kg

Below 2 GHz-Rev.1/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 69.891 V/m; Power Drift = 0.32 dB
Peak SAR (extrapolated) = 6.55 W/kg
SAR(1 g) = 5.32 W/kg; SAR(10 g) = 4.03 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.49 W/kg

Below 2 GHz-Rev.1/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 5.50 W/kg



APPENDIX F
DUT Scans Outside of Part 90

Assessments at the Body Outside of Part 90
Table 24

Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/22/2013 10:35:07 AM

Robot#: DASY5-FL-3 | Run#: HvH-Ab-131222-10
Model#: H84QDH9PW7AN(MUE4386)
Phantom#: OVAL1011
Tissue Temp: 21.6 (C)
Serial#: 837TPX0078
Antenna: PMAE4065A
Test Freq: 393.1000 (MHz)
Battery: PMNN4448AR
Carry Acc: PMLN4651A
Audio Acc: PMLN6130A
Start Power: 5.42 (W)

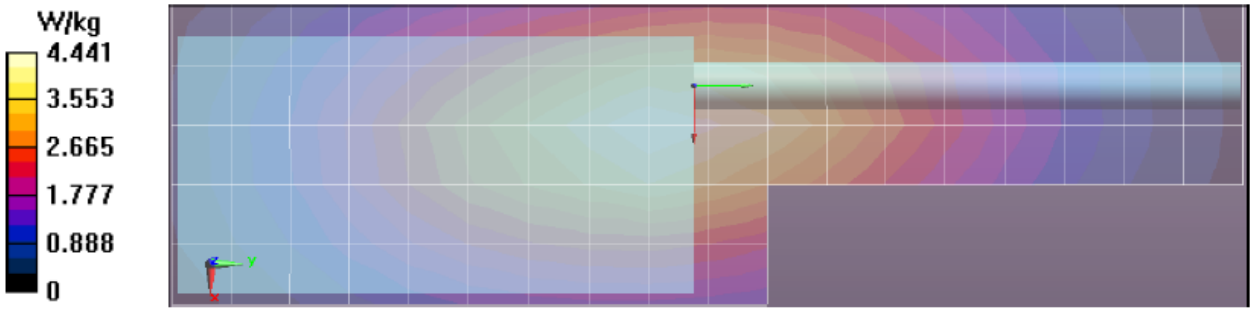
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 393 MHz; σ = 0.89 S/m; ε_r = 57.2; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 393.1 MHz, ConvF(7.11, 7.11, 7.11); Calibrated: 8/27/2013
Electronics: DAE4 Sn1231, Calibrated: 3/12/2013

Below 2 GHz-Rev.1/Ab Scan/1-Area Scan (51x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 58.000 V/m; Power Drift = 0.33 dB
Fast SAR: SAR(1 g) = 4.4 W/kg; SAR(10 g) = 3.17 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 4.46 W/kg

Below 2 GHz-Rev.1/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 58.000 V/m; Power Drift = 0.36 dB
Peak SAR (extrapolated) = 6.07 W/kg
SAR(1 g) = 4.52 W/kg; SAR(10 g) = 3.25 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.55 W/kg

Below 2 GHz-Rev.1/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 4.57 W/kg



Assessments at the Face Outside of Part 90
Table 25
Motorola Solutions, Inc. EME Laboratory
Date/Time: 12/22/2013 7:26:16 AM

Robot#: DASY5-FL-3 | Run#: HvH-Face-131222-06
Model#: H84QDH9PW7AN(MUE4386)
Phantom#: OVAL1020
Tissue Temp: 20.7 (C)
Serial#: 837TPX0078
Antenna: PMAE4065A
Test Freq: 380.0000 (MHz)
Battery: PMNN4448AR
Carry Acc: None @ front
Audio Acc: None
Start Power: 5.61 (W)

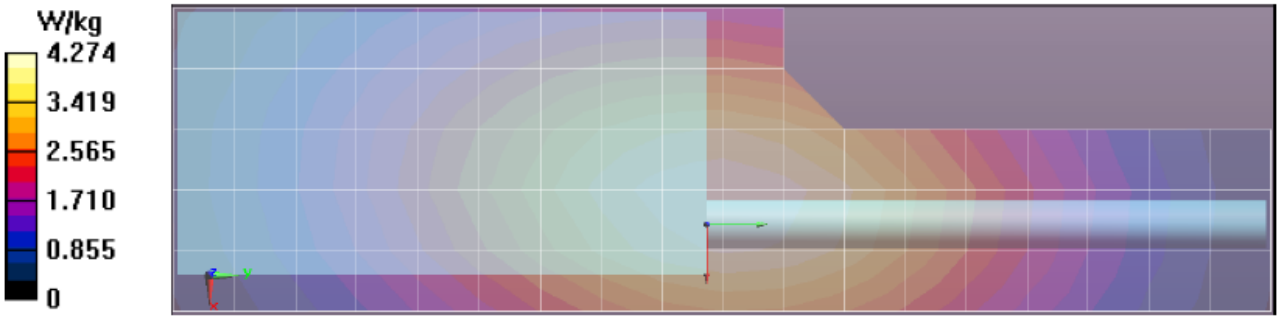
Comments: Outside PT90.

Duty Cycle: 1:1, Medium parameters used: f = 380 MHz; σ = 0.84 S/m; ε_r = 45.6; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 380 MHz, ConvF(6.85, 6.85, 6.85); Calibrated: 8/27/2013
Electronics: DAE4 Sn1231, Calibrated: 3/12/2013

Below 2 GHz-Rev.1/Face Scan/1-Area Scan (51x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 62.955 V/m; Power Drift = 0.18 dB
Fast SAR: SAR(1 g) = 4.25 W/kg; SAR(10 g) = 3.12 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 4.29 W/kg

Below 2 GHz-Rev.1/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 62.955 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 5.19 W/kg
SAR(1 g) = 4.29 W/kg; SAR(10 g) = 3.23 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.34 W/kg

Below 2 GHz-Rev.1/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 4.31 W/kg

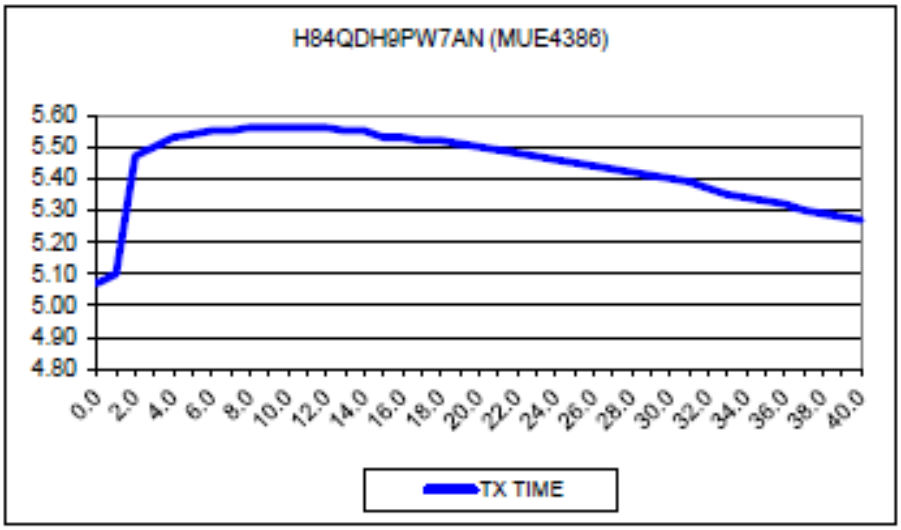


APPENDIX G
DUT Power slump

Model # H84QDH9PW7AN(MUE4386)
Serial # 837TPX0078

Battery	**PMNN4448AR**	**Transmit Mode**	**CW**
Frequency	**406.1250 MHz**	**Audio Accessory**	**PMLN6130A**
Date	**1/17/2014**		

TX TIME (minutes)	**Meaured Power Watts**
	TX TIME
0.0	5.07
1.0	5.10
2.0	5.47
3.0	5.50
4.0	5.53
5.0	5.54
6.0	5.55
7.0	5.55
8.0	5.56
9.0	5.56
10.0	5.56
11.0	5.56
12.0	5.56
13.0	5.55
14.0	5.55
15.0	5.53
16.0	5.53
17.0	5.52
18.0	5.52
19.0	5.51
20.0	5.50
21.0	5.49
22.0	5.48
23.0	5.47
24.0	5.46
25.0	5.45
26.0	5.44
27.0	5.43
28.0	5.42
29.0	5.41
30.0	5.40
31.0	5.39
32.0	5.37
33.0	5.35
34.0	5.34
35.0	5.33
36.0	5.32
37.0	5.30
38.0	5.29
39.0	5.28
40.0	5.27



APPENDIX H
DUT Test Position Photos

Photos available in Exhibit 7B

APPENDIX I
DUT, Body Worn and Audio Accessory Photos

Photos available in Exhibit 7B