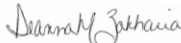


 MOTOROLA SOLUTIONS	 ACCREDITED TESTING CERT # 2518.01																																				
DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2																																					
Motorola Solutions Inc. EME Test Laboratory 8000 West Sunrise Blvd Fort Lauderdale, FL. 33322	Date of Report: 03/13/2014 Report Revision: B Report ID: SR11909_H84QDH9PW7AN Rev B 140313																																				
<table border="0"> <tr> <td style="vertical-align: top;">Responsible Engineer:</td> <td>Mac Elliott (Principle Staff Engineer)</td> </tr> <tr> <td style="vertical-align: top;">Report Author:</td> <td>Mac Elliott (Principle Staff Engineer)</td> </tr> <tr> <td style="vertical-align: top;">Date/s Tested:</td> <td>12/21/13 – 12/22/13; 1/08/14</td> </tr> <tr> <td style="vertical-align: top;">Manufacturer/Location:</td> <td>Motorola Solutions Inc., Penang</td> </tr> <tr> <td style="vertical-align: top;">Sector/Group/Div.:</td> <td>AESS – Astro Engineering Subscriber Solutions</td> </tr> <tr> <td style="vertical-align: top;">Date submitted for test:</td> <td>12/17/13</td> </tr> <tr> <td style="vertical-align: top;">DUT Description:</td> <td>Handheld Portable - 380-470MHz, 5.0W rated power, 6.25KHz/12.5KHz/25KHz, Capable of FM and TDMA transmission</td> </tr> <tr> <td style="vertical-align: top;">Test TX mode(s):</td> <td>CW (PTT)</td> </tr> <tr> <td style="vertical-align: top;">Max. Power output:</td> <td>5.7W (380-470MHz)</td> </tr> <tr> <td style="vertical-align: top;">Nominal Power:</td> <td>5.0W (380-470MHz)</td> </tr> <tr> <td style="vertical-align: top;">Tx Frequency Bands:</td> <td>380MHz-470MHz</td> </tr> <tr> <td style="vertical-align: top;">Signaling type:</td> <td>FM, TDMA</td> </tr> <tr> <td style="vertical-align: top;">Model(s) Tested:</td> <td>H84QDH9PW7AN (MUE4386)</td> </tr> <tr> <td style="vertical-align: top;">Model(s) Certified:</td> <td>H84QDH9PW7AN (MUE4386)</td> </tr> <tr> <td style="vertical-align: top;">Serial Number(s):</td> <td>837TPX0078 & 837TPX0064</td> </tr> <tr> <td style="vertical-align: top;">Classification:</td> <td>Occupational/Controlled</td> </tr> <tr> <td style="vertical-align: top;">FCC ID:</td> <td>AZ489FT4917; Rule Part 90 (406.1-470MHz)</td> </tr> <tr> <td style="vertical-align: top;">IC:</td> <td>109U-89FT4917 (406.1-430MHz & 450-470MHz)</td> </tr> </table> 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.		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)	IC:	109U-89FT4917 (406.1-430MHz & 450-470MHz)
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																																				
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IC:	109U-89FT4917 (406.1-430MHz & 450-470MHz)																																				
 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; $\sigma = 0.94$ S/m; $\epsilon_r = 56.2$; $\rho = 1000$ kg/m³

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

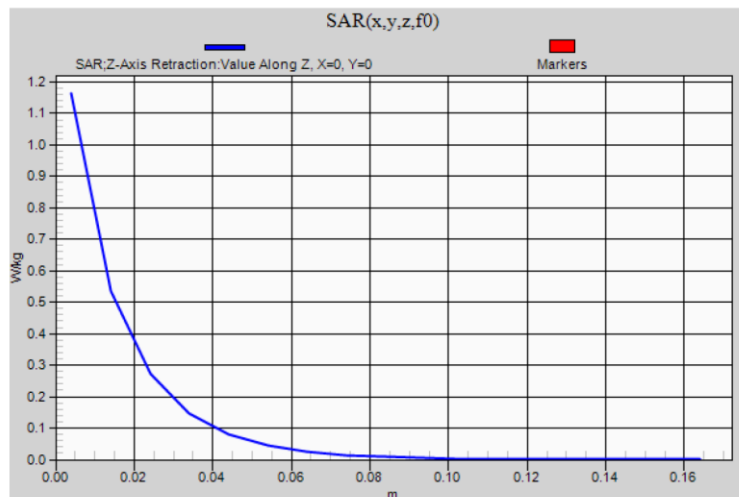
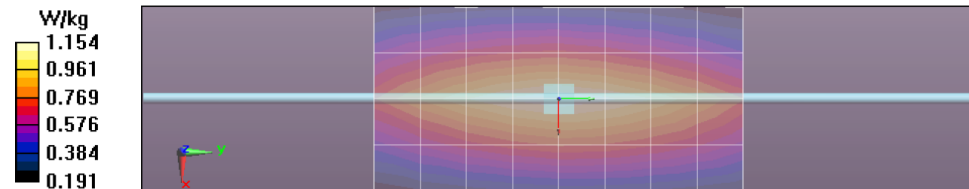
Peak SAR (extrapolated) = 1.67 W/kg

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; $\sigma = 0.94$ S/m; $\epsilon_r = 56.4$; $\rho = 1000$ kg/m³
 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

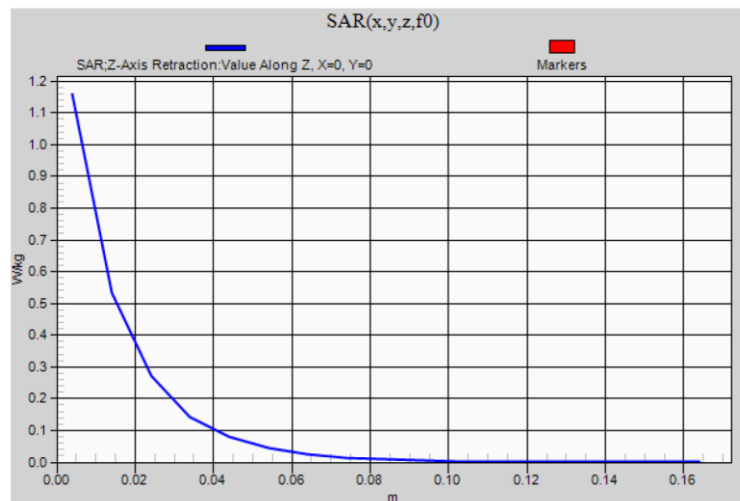
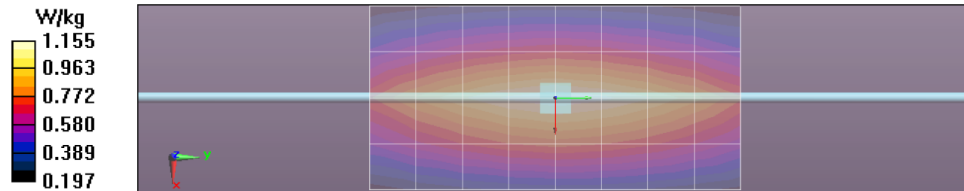
Peak SAR (extrapolated) = 1.67 W/kg

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; $\sigma = 0.9$ S/m; $\epsilon_r = 44.1$; $\rho = 1000$ kg/m³
 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:

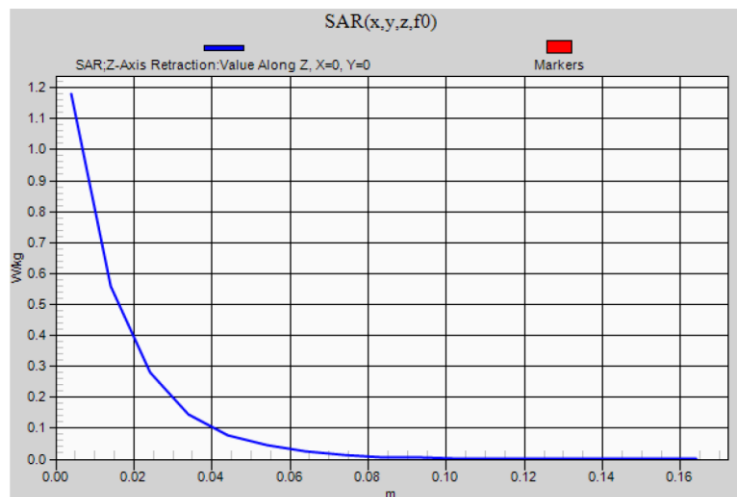
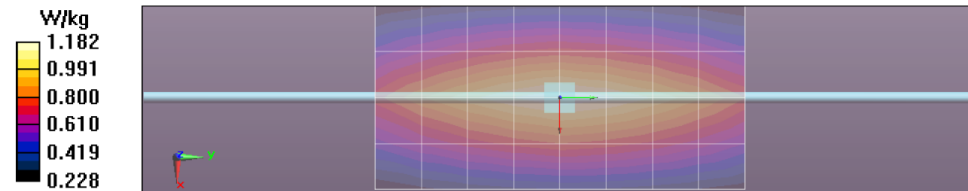
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

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; $\sigma = 0.94$ S/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³
 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):

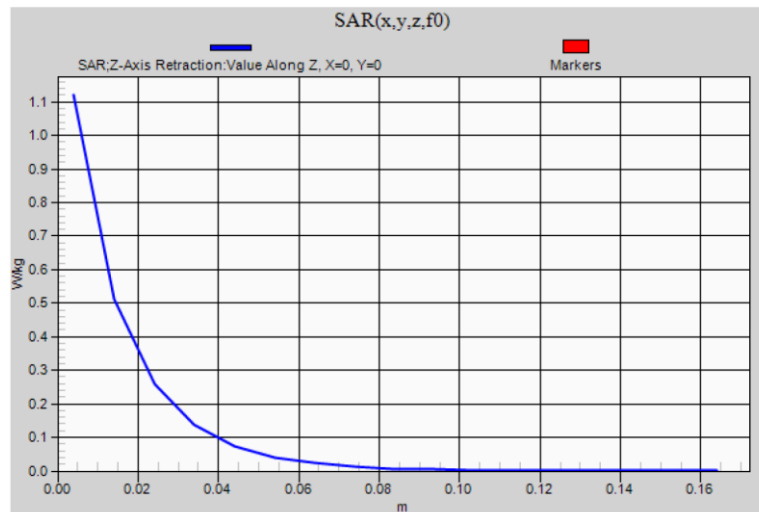
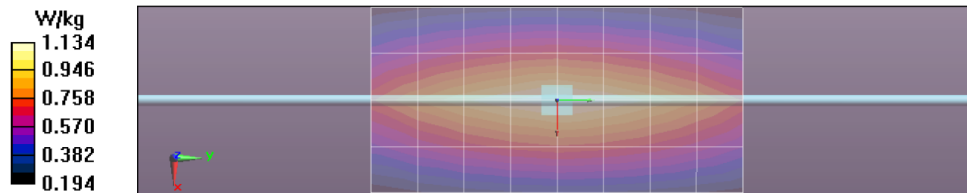
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 34.697 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.741 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.13 W/kg

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: $f = 406 \text{ MHz}$; $\sigma = 0.91 \text{ S/m}$; $\epsilon_r = 56.8$; $\rho = 1000 \text{ kg/m}^3$
 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 68.166 V/m; Power Drift = 0.40 dB

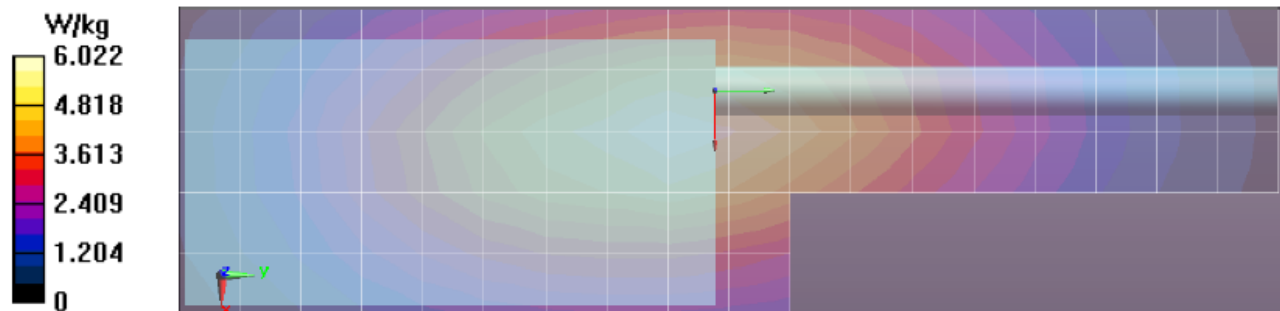
Peak SAR (extrapolated) = 8.20 W/kg

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: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$

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: $f = 406 \text{ MHz}$; $\sigma = 0.9 \text{ S/m}$; $\epsilon_r = 56$; $\rho = 1000 \text{ kg/m}^3$
 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 65.719 V/m; Power Drift = 0.62 dB

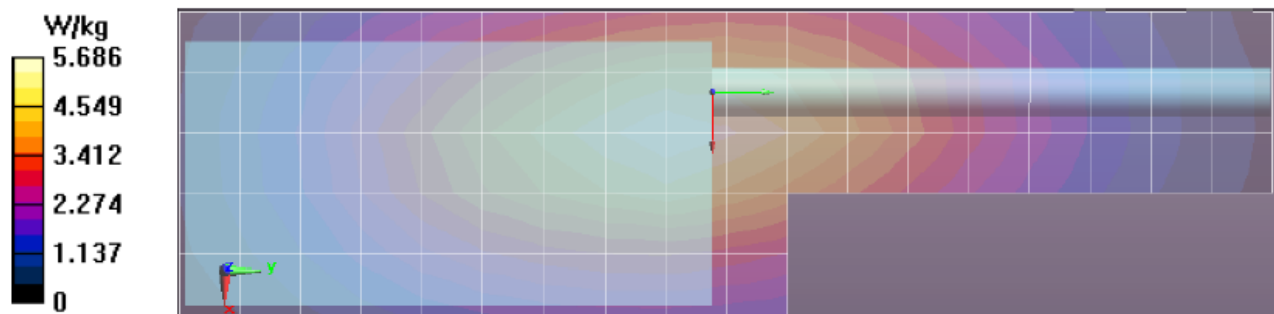
Peak SAR (extrapolated) = 8.08 W/kg

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: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$

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: $f = 406 \text{ MHz}$; $\sigma = 0.91 \text{ S/m}$; $\epsilon_r = 56.8$; $\rho = 1000 \text{ kg/m}^3$
 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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: $dx=7.5 \text{ mm}$, $dy=7.5 \text{ mm}$, $dz=5 \text{ mm}$

Reference Value = 41.542 V/m; Power Drift = 0.27 dB

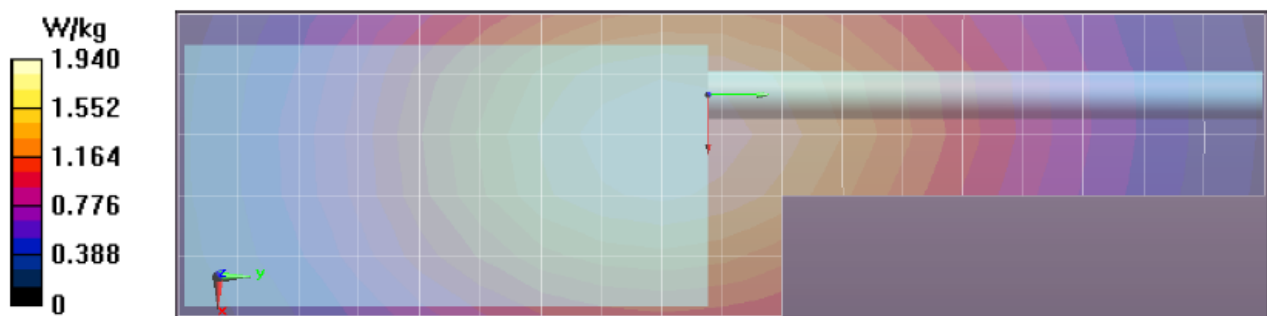
Peak SAR (extrapolated) = 2.48 W/kg

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: $dx=20 \text{ mm}$, $dy=20 \text{ mm}$, $dz=10 \text{ mm}$

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/NTN5243A w/no loop
 Audio Acc: PMLN6130A
 Start Power: 5.43 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 406 \text{ MHz}$; $\sigma = 0.91 \text{ S/m}$; $\epsilon_r = 56.8$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 60.931 V/m; Power Drift = 0.51 dB

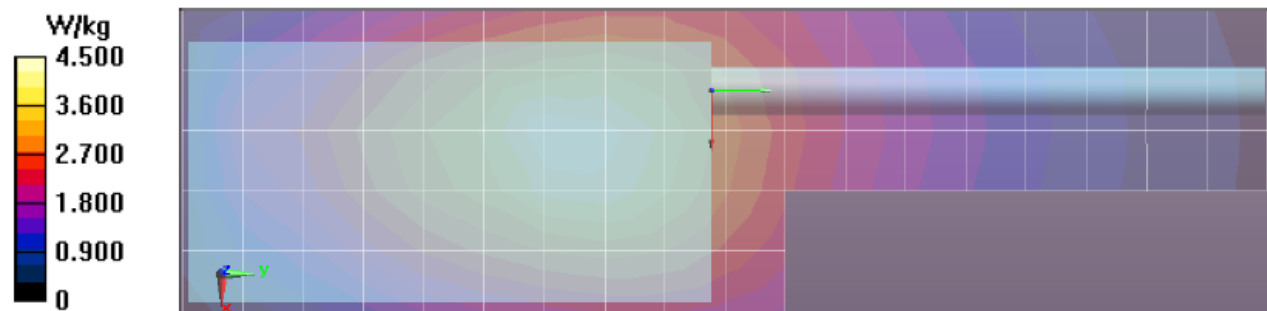
Peak SAR (extrapolated) = 6.50 W/kg

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: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$

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: $f = 406 \text{ MHz}$; $\sigma = 0.86 \text{ S/m}$; $\epsilon_r = 45$; $\rho = 1000 \text{ kg/m}^3$
 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 69.891 V/m; Power Drift = 0.32 dB

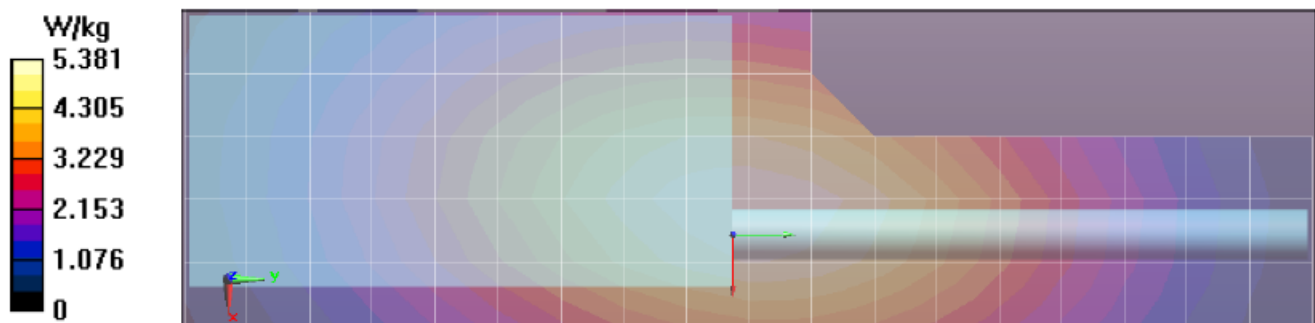
Peak SAR (extrapolated) = 6.55 W/kg

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: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$

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: $f = 393 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 57.2$; $\rho = 1000 \text{ kg/m}^3$
 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 58.000 V/m; Power Drift = 0.36 dB

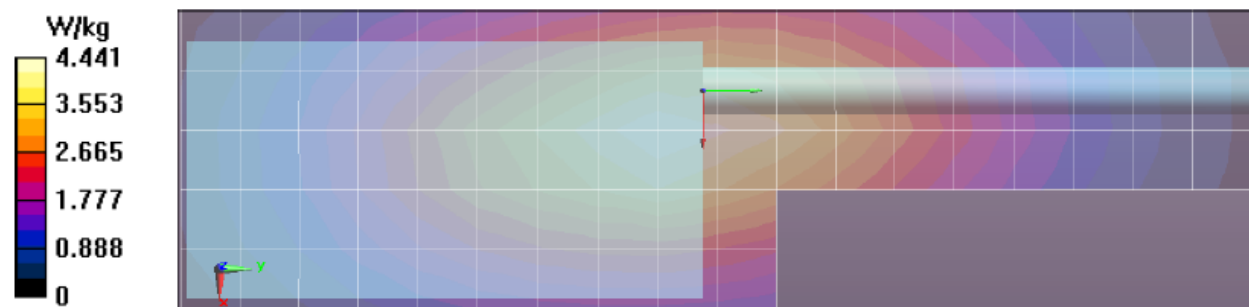
Peak SAR (extrapolated) = 6.07 W/kg

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: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$

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; $\sigma = 0.84$ S/m; $\epsilon_r = 45.6$; $\rho = 1000$ kg/m³
 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

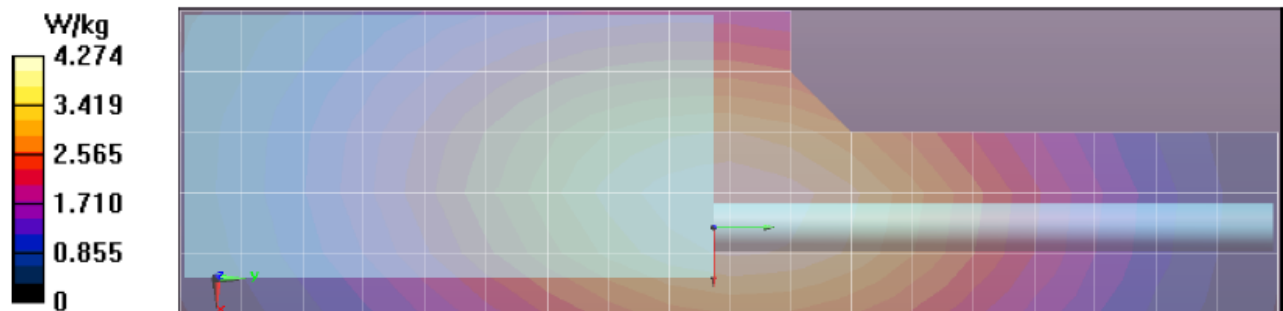
Peak SAR (extrapolated) = 5.19 W/kg

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

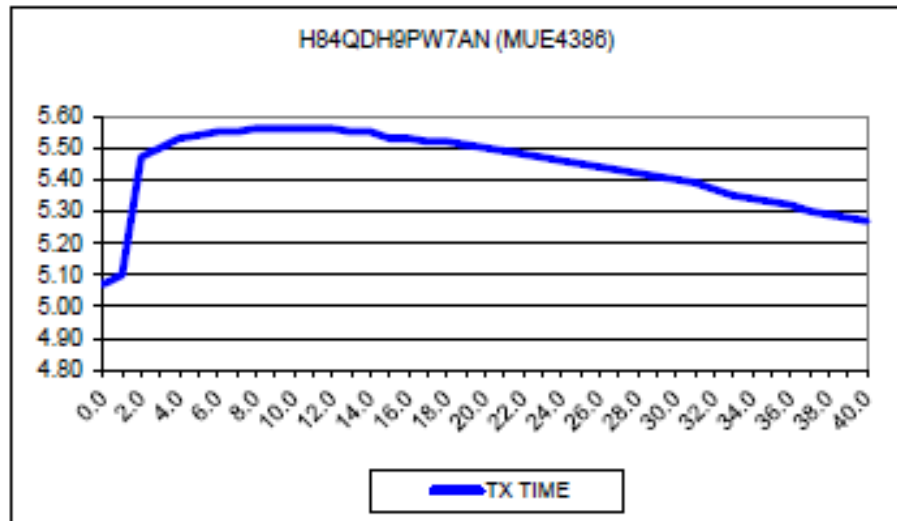
DUT Power slump

Model # H84QDH9PW7AN(MUE4386)
Serial # 837TPX0078

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

TX TIME **Measured Power**
 (minutes) Watts

TX TIME	Measured Power
(minutes)	Watts
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