
 MOTOROLA SOLUTIONS	 <p>MS ISO/IEC 17025 TESTING SMM No.0826</p>
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DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2

<p align="center">Motorola Solutions Inc. EME Test Laboratory Motorola Solutions Malaysia Sdn Bhd (Innoplex) Plot 2A, Medan Bayan Lepas, Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.</p>	<p>Date of Report: 05/02/2018 Report Revision: A</p>
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<p>Responsible Engineer: Saw Sun Hock (EME Engineer) Report Author: Saw Sun Hock (EME Engineer) Date/s Tested: 3/22/2018-3/26/2018, 4/16/2018, 4/27/2018, 4/30/2018 Manufacturer: Hi-P Electronics Pte.Ltd., China DUT Description: Handheld Portable – DLR1060, 1Watt 900MHz, 6CH BULK (BRUS/ BRCAN) Test TX mode(s): CW (PTT) Max. Power output: 1.0W Nominal Power: 1.0W Tx Frequency Bands: 902-928MHz Signaling type: FSK Model(s) Tested: DLR1060BHLAB (HKUF4007B) Model(s) Certified: DLR1020BHLAA /DLR1020B1; DLR1020BHLAB /DLR1020B2 ; DLR1060BHLAA & DLR1060BHWAA / DLR1060B1; DLR1060BHLAB / DLR1060B2 Serial Number(s): 550PUE3873 Classification: General Population/Uncontrolled FCC ID: AZ489FT5871; 902-928MHz</p>	<p>This report contains results that are immaterial for FCC equipment approval, which are clearly identified.</p> <p>IC: 109U-89FT5871; 902-928MHz This report contains results that are immaterial for IC equipment approval, which are identified.</p> <p>ISED Test Site registration: 109AK FCC Test Firm Registration Number: 823256</p>
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The test results clearly demonstrate compliance with FCC General Population/Uncontrolled RF Exposure limits of 1.6 W/kg averaged over 1 gram per the requirements of FCC 47 CFR § 2.1093 and ISED RSS-102 (Issue 5).

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 4.0 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.

<p align="center"><i>Tiong</i> Tiong Nguk Ing Deputy Technical Manager (Approved Signatory) Approval Date: 6/7/2018</p>	
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Appendix D

System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/22/2018 2:42:41 PM

Robot#: DASY5-PG-3 | Run#: ZR(ZZ)-SYSP-900B-180322-01
 Dipole Model# D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 22.1 (C)
 Serial#: 1d026
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.082 dB
 Adjusted SAR (1W): 11.00 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1.07 \text{ S/m}$; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3612, , Frequency: 900 MHz, ConvF(8.38, 8.38, 8.38); Calibrated: 5/17/2017
 Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x121x1):

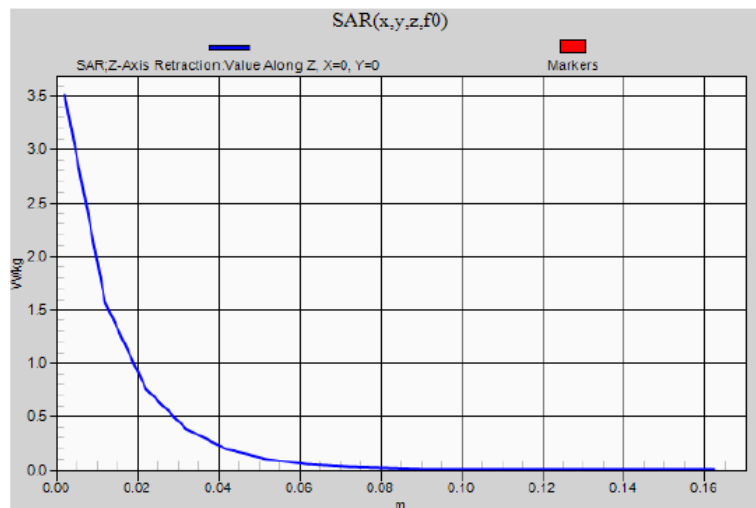
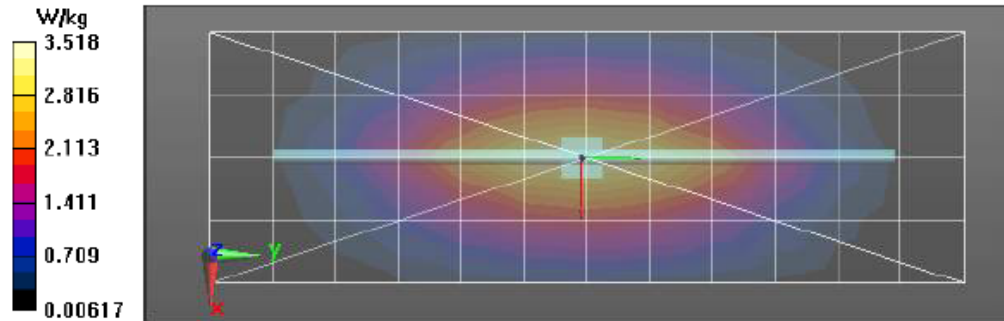
Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 58.55 V/m; Power Drift = -0.04 dB
 Fast SAR: SAR(1 g) = 2.81 W/kg; SAR(10 g) = 1.8 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.52 W/kg

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

Measurement grid: $dx=7.5 \text{ mm}$, $dy=7.5 \text{ mm}$, $dz=5 \text{ mm}$
 Reference Value = 58.55 V/m; Power Drift = -0.04 dB
 Peak SAR (extrapolated) = 4.16 W/kg
 SAR(1 g) = 2.75 W/kg; SAR(10 g) = 1.77 W/kg (SAR corrected for target medium)

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

grid: $dx=20 \text{ mm}$, $dy=20 \text{ mm}$, $dz=10 \text{ mm}$
 Maximum value of SAR (measured) = 3.51 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/23/2018 3:03:00 PM

Robot#: DASY5-PG-3 | Run#: ZR(ZZ)-SYSP-900B-180323-05
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 20.5 (C)
 Serial#: 1d026
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.083 dB
 Adjusted SAR (1W): 10.96 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.07$ S/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, , Frequency: 900 MHz, ConvF(8.38, 8.38, 8.38); Calibrated: 5/17/2017
 Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

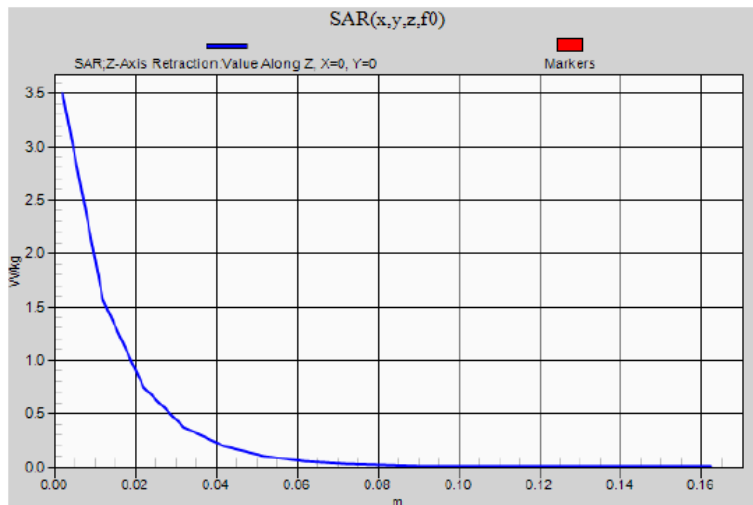
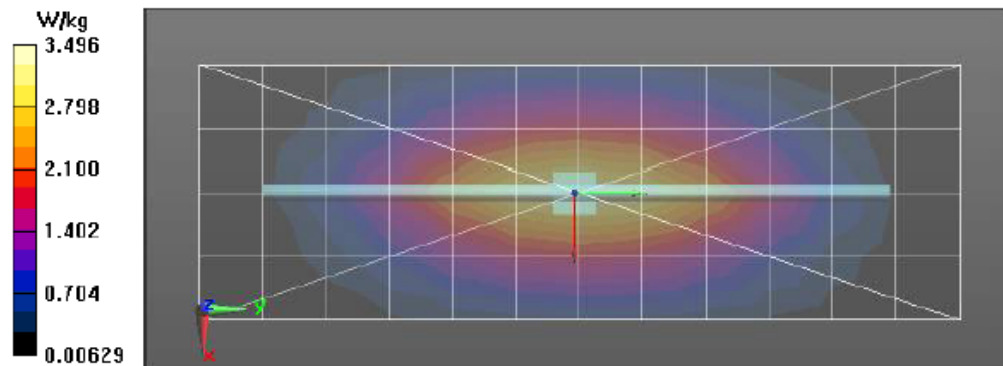
Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x121x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 58.44 V/m; Power Drift = -0.02 dB
 Fast SAR: SAR(1 g) = 2.79 W/kg; SAR(10 g) = 1.79 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.50 W/kg

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 58.44 V/m; Power Drift = -0.02 dB
 Peak SAR (extrapolated) = 4.14 W/kg
 SAR(1 g) = 2.74 W/kg; SAR(10 g) = 1.77 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 3.51 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm



Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/26/2018 9:24:35 AM

Robot#: DASY5-PG-3 | Run#: FD-SYSP-900B-180326-01
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.1 (C)
 Serial#: 1d026
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.130 dB
 Adjusted SAR (1W): 10.76 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900$ MHz; $\sigma = 1.08$ S/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, , Frequency: 900 MHz, ConvF(8.38, 8.38, 8.38); Calibrated: 5/17/2017
 Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x121x1):

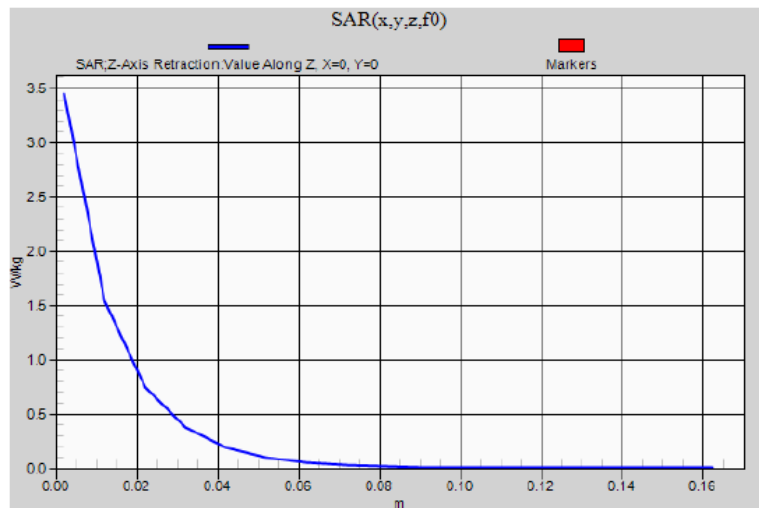
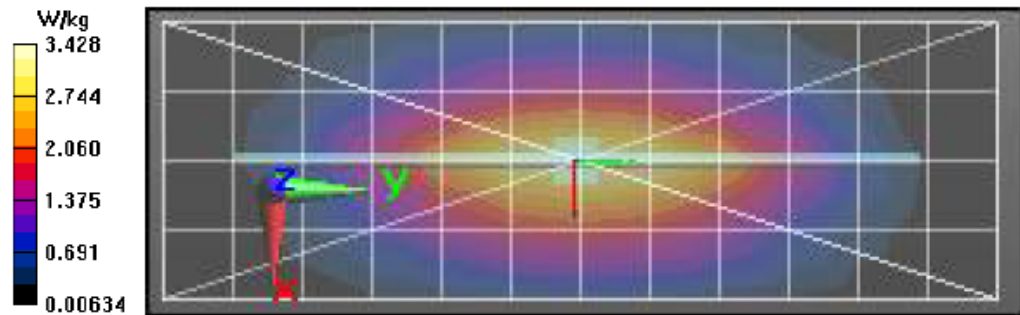
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 57.79 V/m; Power Drift = -0.04 dB
 Fast SAR: SAR(1 g) = 2.75 W/kg; SAR(10 g) = 1.76 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.44 W/kg

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 57.79 V/m; Power Drift = -0.04 dB
 Peak SAR (extrapolated) = 4.07 W/kg
 SAR(1 g) = 2.69 W/kg; SAR(10 g) = 1.74 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 3.44 W/kg

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

grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 3.45 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/27/2018 9:45:35 AM

Robot#: DASY5-PG-3 | Run#: FD-SYSP-900B-180427-05
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 20.4 (C)
 Serial#: 1d026
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.085 dB
 Adjusted SAR (1W): 11.36 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1.07 \text{ S/m}$; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3612, , Frequency: 900 MHz, ConvF(8.38, 8.38, 8.38); Calibrated: 5/17/2017
 Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x121x1):

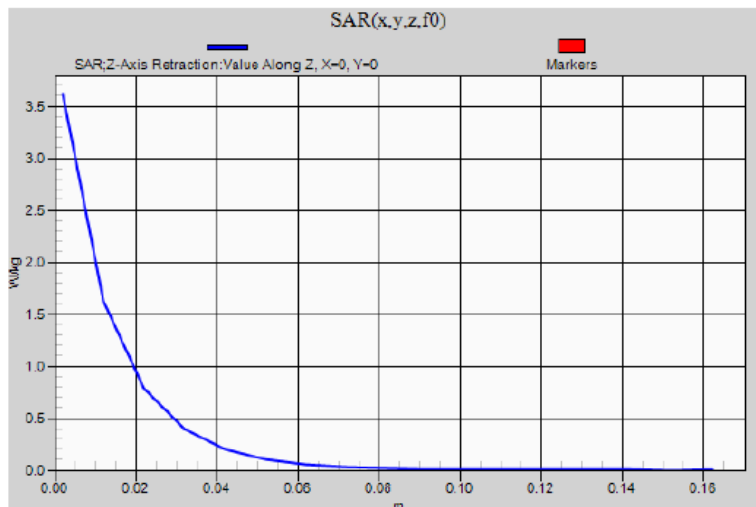
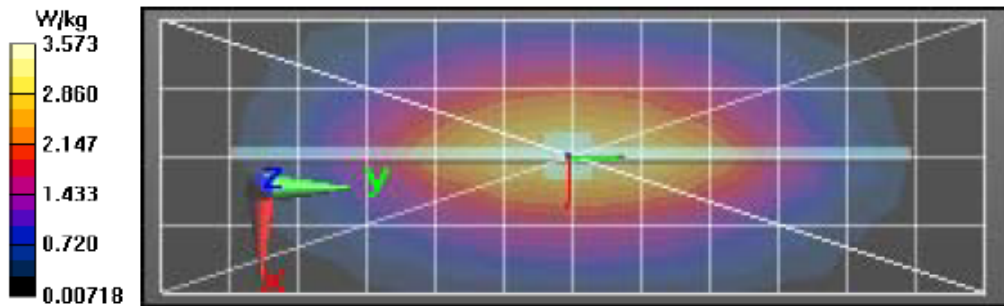
Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 59.54 V/m; Power Drift = -0.04 dB
 Fast SAR: SAR(1 g) = 2.87 W/kg; SAR(10 g) = 1.85 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.59 W/kg

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

Measurement grid: $dx=7.5 \text{ mm}$, $dy=7.5 \text{ mm}$, $dz=5 \text{ mm}$
 Reference Value = 59.54 V/m; Power Drift = -0.04 dB
 Peak SAR (extrapolated) = 4.26 W/kg
 SAR(1 g) = 2.84 W/kg; SAR(10 g) = 1.83 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 3.62 W/kg

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

grid: $dx=20 \text{ mm}$, $dy=20 \text{ mm}$, $dz=10 \text{ mm}$
 Maximum value of SAR (measured) = 3.61 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/25/2018 5:56:09 PM

Robot#: DASY5-PG-3 | Run#: FD-SYSP-900H-180325-05
 Dipole Model# D900V2
 Phantom#: ELI4 1037
 Tissue Temp: 21.1 (C)
 Serial#: 1d026
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.120 dB
 Adjusted SAR (1W): 10.48 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1.01 \text{ S/m}$; $\epsilon_r = 41.2$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3612, Frequency: 900 MHz, ConvF(8.27, 8.27, 8.27); Calibrated: 5/17/2017
 Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

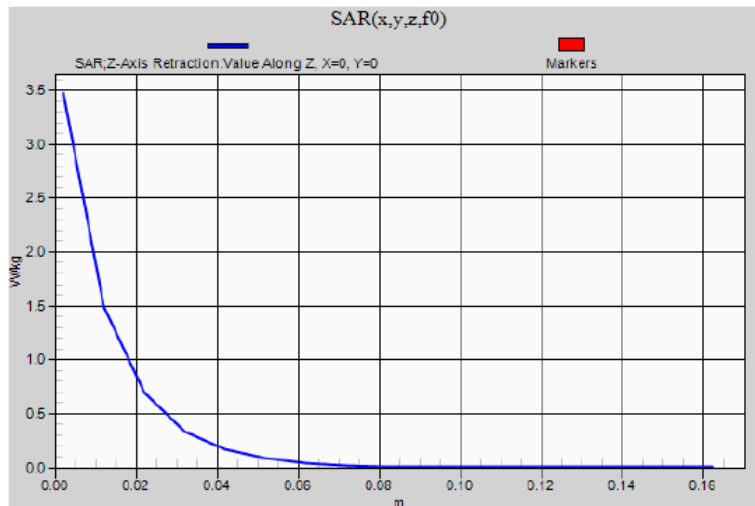
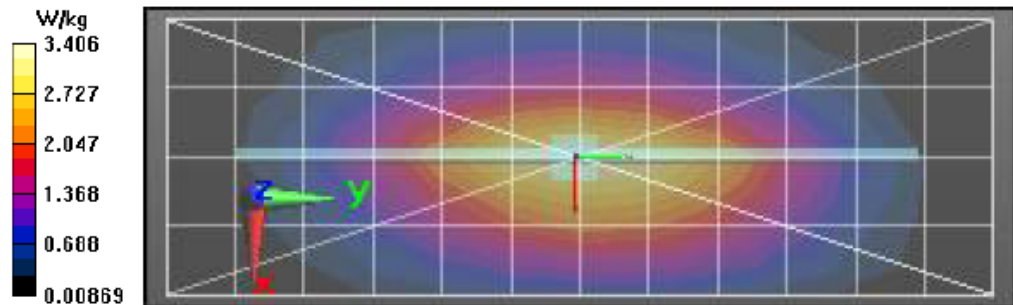
Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x121x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 59.94 V/m; Power Drift = -0.07 dB
 Fast SAR: SAR(1 g) = 2.68 W/kg; SAR(10 g) = 1.75 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.46 W/kg

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

Measurement grid: $dx=7.5 \text{ mm}$, $dy=7.5 \text{ mm}$, $dz=5 \text{ mm}$
 Reference Value = 59.94 V/m; Power Drift = -0.07 dB
 Peak SAR (extrapolated) = 4.14 W/kg
 SAR(1 g) = 2.62 W/kg; SAR(10 g) = 1.68 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 3.47 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: $dx=20 \text{ mm}$, $dy=20 \text{ mm}$, $dz=10 \text{ mm}$



Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/30/2018 9:54:47 AM

Robot#: DASY5-PG-3 | Run#: FD-SYSP-900H-180430-01
 Dipole Model#: D900V2
 Phantom#: ELI4 1037
 Tissue Temp: 21.5 (C)
 Serial#: 1d026
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.100 dB
 Adjusted SAR (1W): 10.96 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1 \text{ S/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN3612, Frequency: 900 MHz, ConvF(8.27, 8.27, 8.27); Calibrated: 5/17/2017
 Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

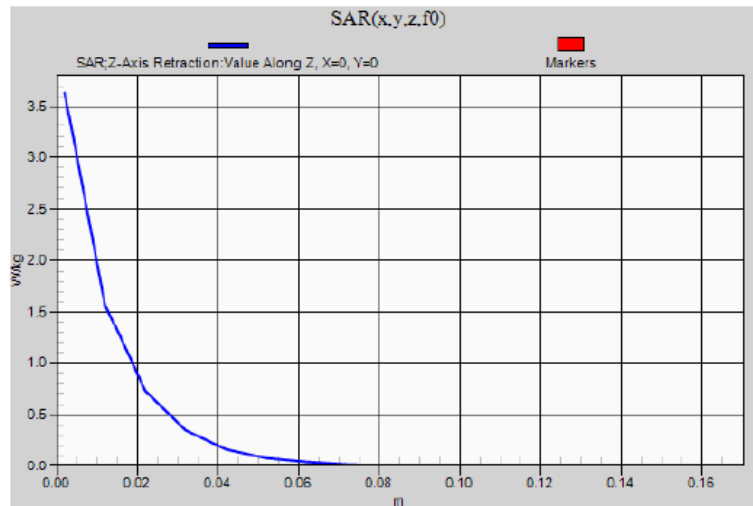
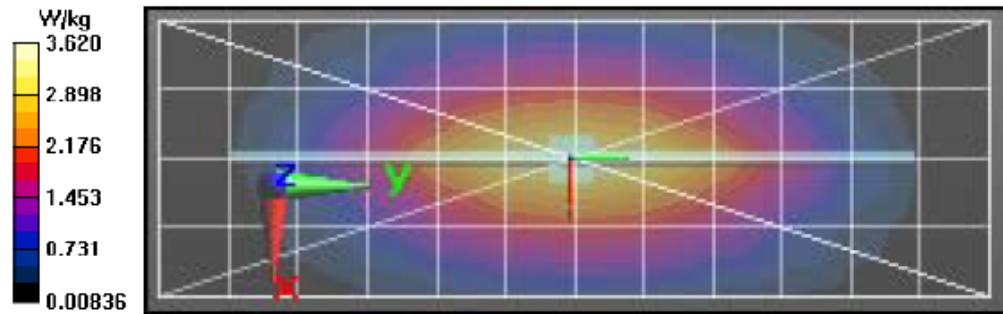
Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x121x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 61.61 V/m; Power Drift = -0.04 dB
 Fast SAR: SAR(1 g) = 2.81 W/kg; SAR(10 g) = 1.83 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.62 W/kg

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

Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
 Reference Value = 61.61 V/m; Power Drift = -0.04 dB
 Peak SAR (extrapolated) = 4.29 W/kg
 SAR(1 g) = 2.74 W/kg; SAR(10 g) = 1.77 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 3.63 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$



Appendix E

DUT Scans

Assessments at the Body - Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/27/2018 11:11:16 AM

Robot#: DASY5-PG-3 | Run#: FD-AB-180427-07
Model#: DLR1060BHLAB (HKUF4007B)
Phantom#: ELI4 1028
Tissue Temp: 20.4 (C)
Serial#: 550PUE3873
Antenna: Fixed Antenna
Test Freq: 927.4750 (MHz)
Battery: HKNN4013A
Carry Acc: PMLN7774A
Audio Acc: HKLN4604B
Start Power: 0.877 (W)

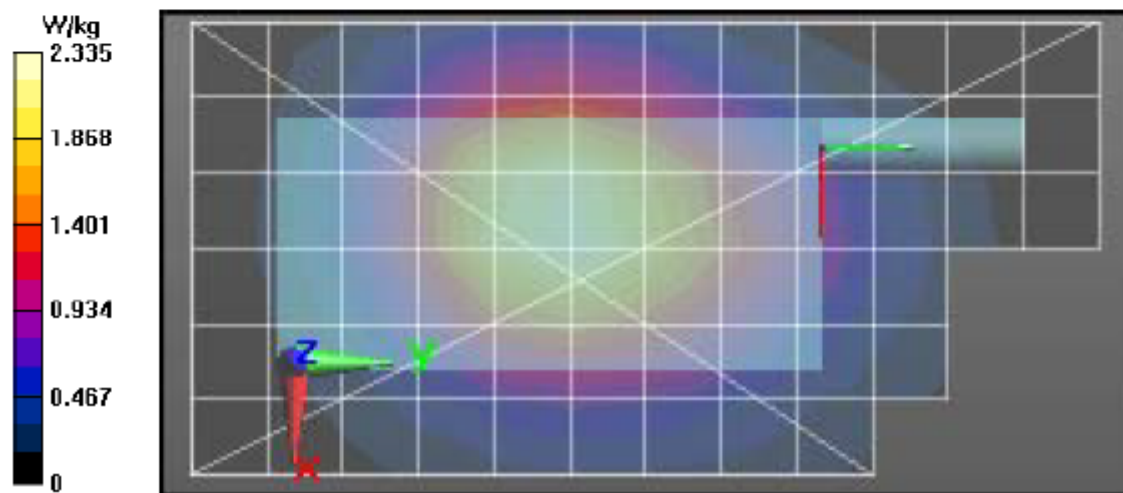
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 927 \text{ MHz}$; $\sigma = 1.09 \text{ S/m}$; $\epsilon_r = 52.3$; $\rho = 1000 \text{ kg/m}^3$
Probe: EX3DV4 - SN3612, , Frequency: 927 MHz, ConvF(8.38, 8.38, 8.38); Calibrated: 5/17/2017
Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (61x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Reference Value = 44.37 V/m; Power Drift = -0.76 dB
Fast SAR: SAR(1 g) = 1.98 W/kg; SAR(10 g) = 1.33 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.44 W/kg

Below 2 GHz-Rev.2/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 = 44.37 V/m; Power Drift = -0.89 dB
Peak SAR (extrapolated) = 2.57 W/kg
SAR(1 g) = 1.91 W/kg; SAR(10 g) = 1.34 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.28 W/kg

Below 2 GHz-Rev.2/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) = 2.26 W/kg



Assessment at the Face - Table 19

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/25/2018 7:12:38 PM

Robot#: DASY5-PG-3 | Run#: FD-FACE-180325-07
Model#: DLR1060BHLAB (HKUF4007B)
Phantom#: ELI4 1037
Tissue Temp: 21.2 (C)
Serial#: 550PUE3873
Antenna: Fixed Antenna
Test Freq: 915.5250 (MHz)
Battery: HKNN4013ASP01
Carry Acc: None
Audio Acc: None
Start Power: 0.927 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 916 \text{ MHz}$; $\sigma = 1.02 \text{ S/m}$; $\epsilon_r = 41$; $\rho = 1000 \text{ kg/m}^3$
Probe: EX3DV4 - SN3612, , Frequency: 916 MHz, ConvF(8.27, 8.27, 8.27); Calibrated: 5/17/2017
Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (61x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

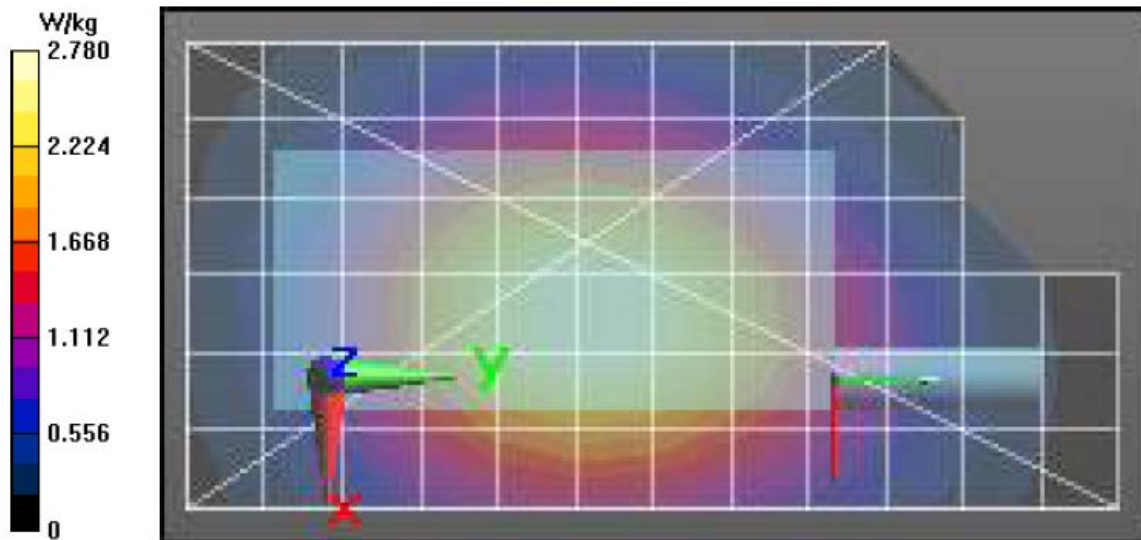
Reference Value = 53.04 V/m; Power Drift = -0.41 dB
Fast SAR: SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.63 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.89 W/kg

Below 2 GHz-Rev.2/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 = 53.04 V/m; Power Drift = -0.56 dB
Peak SAR (extrapolated) = 3.09 W/kg
SAR(1 g) = 2.26 W/kg; SAR(10 g) = 1.61 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.73 W/kg

Below 2 GHz-Rev.2/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) = 2.69 W/kg



APPENDIX F
Shortened Scan of Highest SAR configuration

Shortened Scan - Table 20

Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/30/2018 10:46:06 AM

Robot#: DASY5-PG-3 | Run#: FD-FACE-180430-02
 Model#: DLR1060BHLAA (HKUF4007B)
 Phantom#: ELI4 1037
 Tissue Temp: 22.5 (C)
 Serial#: 550PUE3873
 Antenna: Fixed Antenna
 Test Freq: 915.5250 (MHz)
 Battery: HKNN4013ASP01
 Carry Acc: None
 Audio Acc: None
 Start Power: 0.848 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 916$ MHz; $\sigma = 1.01$ S/m; $\epsilon_r = 40$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN3612, , Frequency: 916 MHz, ConvF(8.27, 8.27, 8.27); Calibrated: 5/17/2017
 Electronics: DAE4 Sn1294, Calibrated: 5/23/2017

Below 2 GHz-Rev.2/Face Scan/1-Area Scan (61x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 50.25 V/m; Power Drift = -0.26 dB
 Fast SAR: SAR(1 g) = 2.3 W/kg; SAR(10 g) = 1.58 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 2.81 W/kg

Below 2 GHz-Rev.2/Face Scan/2-Volume Scan 2D (41x41x1): Interpolated grid: dx=0.7500 mm, dy=0.7500 mm, dz=1.000 mm

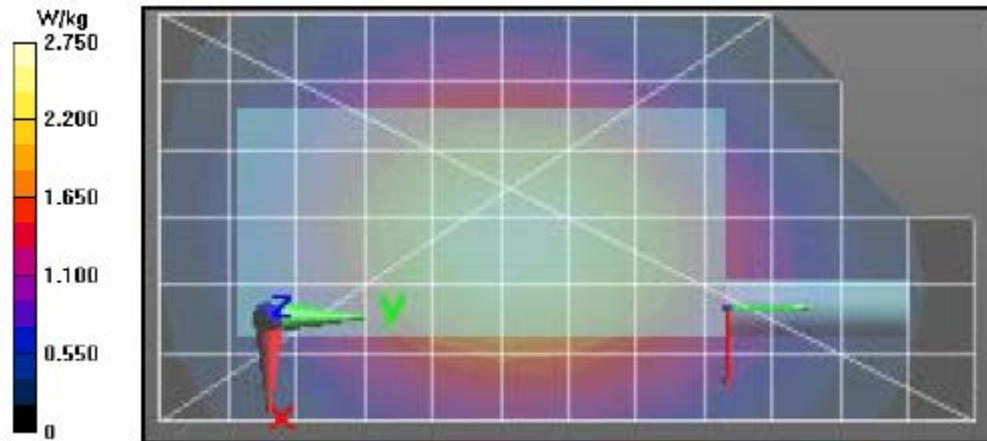
Reference Value = 50.25 V/m; Power Drift = -0.32 dB
 Fast SAR: SAR(1 g) = 2.23 W/kg; SAR(10 g) = 1.58 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 2.69 W/kg

Below 2 GHz-Rev.2/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 2.68 W/kg

Below 2 GHz-Rev.2/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 56.56 V/m; Power Drift = -0.41 dB
 Peak SAR (extrapolated) = 3.30 W/kg
 SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.73 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 2.92 W/kg



Shortened scan reflects highest SAR producing configuration and is compared to the full scan.

Scan Description	Referenced Table	Test Time (min.)	SAR 1g (W/kg)
Shorten scan (zoom)	20	8	1.44
Full scan (area & zoom)	19	20	1.39

APPENDIX G
DUT Test Position Photos

Photos available in Exhibit 7B

APPENDIX H
DUT, Body worn and audio accessories Photos

Photos available in Exhibit 7B