

 MOTOROLA SOLUTIONS	 <p>CERTIFICATE 2518.05</p>
DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2	
<p>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: 9/19/2016 Report Revision: A</p>
<p>Responsible Engineer: Chang Chi Chern (EME Engineer) Report Author: Chang Chi Chern (EME Engineer) Date/s Tested: 9/15/2016 – 9/19/2016 Manufacturer: Motorola Solutions Inc. DUT Description: Mission Critical Handheld Portable Test TX mode(s): GSM/GPRS, WCDMA, WLAN, LTE & BT Max. Power output: Refer to Part 1, Table 3 Nominal Power: Refer to Part 1, Table 3 Tx Frequency Bands: GSM: B2, B3, B5 & B8; WCDMA: B1, B2, B4, B5 & B8; WLAN: 2.4GHz / 5GHz; BT ; LTE: *B2, B3, B4, B5, B7, B8, B20, B26 & B28 Signaling type: TDMA, CDMA, LTE, DSSS, OFDM & FHSS Model(s) Tested: LEX L10i Model(s) Certified: LEX L10i Serial Number(s): 171PRQ1019 Classification: General Population/Uncontrolled FCC ID: AZ489FT7078; GSM (B2 & B5), WCDMA (B2, B4 & B5), LTE (*B2, B4, B5, B7, B26) WLAN & BT</p> <p style="text-align: center;">- This report contains results that are immaterial for FCC equipment approval, which are clearly identified.</p> <p>Note: * Add in new LTE band (LTE B2) for this PCII filing.</p> <p>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 OET Bulletin 65. 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 2.0 W/kg averaged over 10grams of contiguous tissue..</p>	
<p>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>	
<p style="text-align: center;"><i>Tiong</i></p> <p style="text-align: center;">Tiong Nguk Ing Deputy Technical Manager Approval Date: 9/29/2016</p>	<p>Certification Date: 9/29/2016</p> <p>Certification No.: L1160920</p>

Appendix D

System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory
Date/Time: 9/15/2016 6:55:37 AM

Robot#: DASY5-PG-02 | Run#: AZ-SYSP-1900B-160915-01
 Dipole Model#: D1900V2
 Phantom#: TP1174-3
 Tissue Temp: 21.5 (C)
 Serial#: 5d064
 Test Freq: 1900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.029 dB
 Adjusted SAR (1W): 36.96 mW/g (1g)

Comments:

Communication System Band: Dipole 1900, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.56$ S/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, , Frequency: 1900 MHz, ConvF(4.74, 4.74, 4.74); Calibrated: 4/29/2016
 Electronics: DAE4 Sn688, Calibrated: 4/21/2016

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

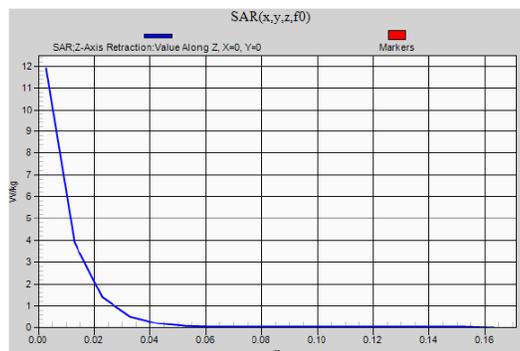
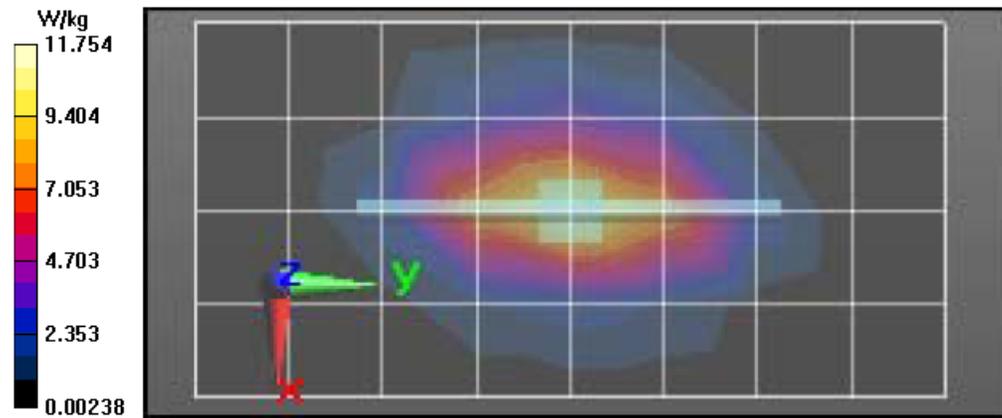
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 90.54 V/m; Power Drift = -0.01 dB
 Fast SAR: SAR(1 g) = 9.21 W/kg; SAR(10 g) = 4.67 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 12.0 W/kg

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 = 90.54 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 16.9 W/kg
 SAR(1 g) = 9.24 W/kg; SAR(10 g) = 4.84 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 12.0 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) = 11.9 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/16/2016 5:31:56 AM

Robot#: DASY5-PG-02 | Run#: AZ-SYSP-1900B-160916-01
 Dipole Model#: D1900V2
 Phantom#: TP1174-3
 Tissue Temp: 21.2 (C)
 Serial#: 5d064
 Test Freq: 1900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.025 dB
 Adjusted SAR (1W): 36.48 mW/g (1g)

Comments:

Communication System Band: Dipole 1900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: f = 1900 MHz; $\sigma = 1.58$ S/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, , Frequency: 1900 MHz, ConvF(4.74, 4.74, 4.74); Calibrated: 4/29/2016
 Electronics: DAE4 Sn688, Calibrated: 4/21/2016

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

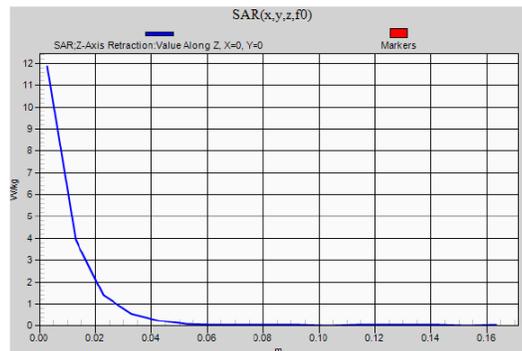
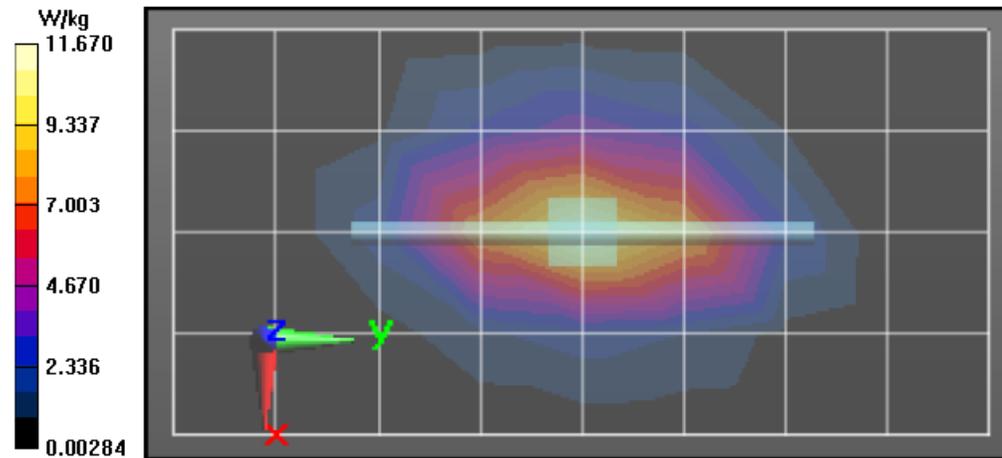
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 89.97 V/m; Power Drift = -0.01 dB
 Fast SAR: SAR(1 g) = 9.18 W/kg; SAR(10 g) = 4.68 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 12.1 W/kg

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 = 89.97 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 16.8 W/kg
 SAR(1 g) = 9.12 W/kg; SAR(10 g) = 4.81 W/kg (SAR corrected for target medium)

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) = 11.9 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 9/16/2016 3:49:14 PM

Robot#: DASY5-PG-02 | Run#: TLC-SYSP-1900H-160916-14
 Dipole Model#: D1900V2
 Phantom#: SAMTP 1209
 Tissue Temp: 20.9 (C)
 Serial#: 5d064
 Test Freq: 1900(MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.034 dB
 Adjusted SAR (1W): 37.80 mW/g (1g)

Comments:

Communication System Band: Dipole 1900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.47$ S/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, , Frequency: 1900 MHz, ConvF(5.05, 5.05, 5.05); Calibrated: 4/29/2016
 Electronics: DAE4 Sn688, Calibrated: 4/21/2016

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x61x1):

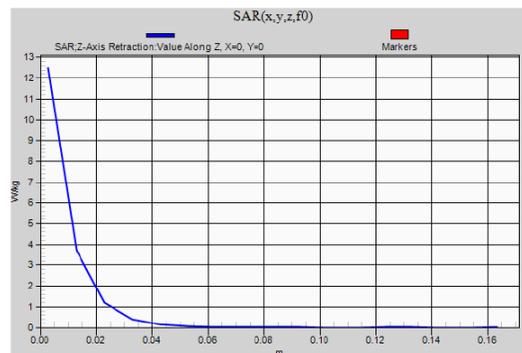
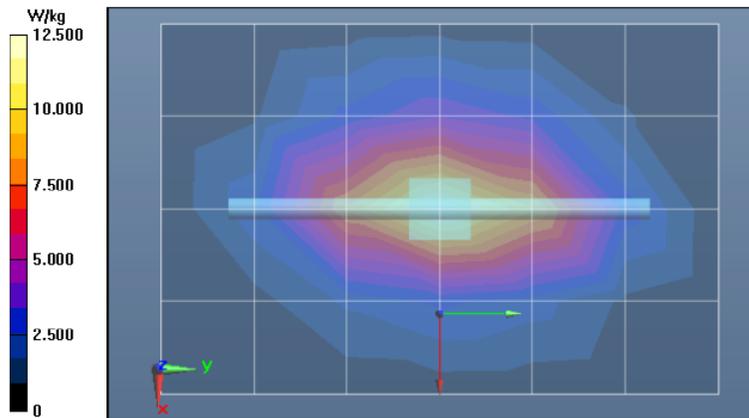
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 95.31 V/m; Power Drift = -0.01 dB
 Fast SAR: SAR(1 g) = 9.69 W/kg; SAR(10 g) = 5.08 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 12.8 W/kg

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
 Reference Value = 95.31 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 18.3 W/kg
 SAR(1 g) = 9.45 W/kg; SAR(10 g) = 4.91 W/kg (SAR corrected for target medium)
 Maximum value of SAR (measured) = 12.3 W/kg

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

grid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 Maximum value of SAR (measured) = 12.5 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 9/19/2016 6:12:28 AM

Robot#: DASY5-PG-02 | Run#: TLC-SYSP-1900H-160919-01
 Dipole Model# D1900V2
 Phantom#: SAMTP 1209
 Tissue Temp: 21.8 (C)
 Serial#: 5d064
 Test Freq: 1900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.032 dB
 Adjusted SAR (1W): 36.52 mW/g (1g)

Comments:

Communication System Band: Dipole 1900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.45$ S/m; $\epsilon_r = 38.2$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3096, , Frequency: 1900 MHz, ConvF(5.05, 5.05, 5.05); Calibrated: 4/29/2016
 Electronics: DAE4 Sn688, Calibrated: 4/21/2016

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x61x1):

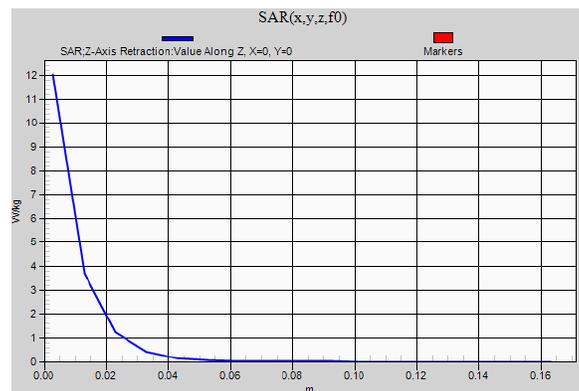
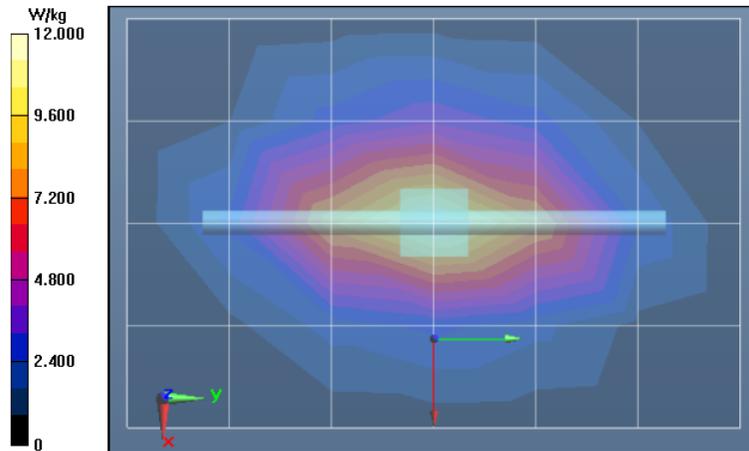
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 94.37 V/m; Power Drift = 0.01 dB
 Fast SAR: SAR(1 g) = 9.31 W/kg; SAR(10 g) = 4.87 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 12.1 W/kg

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 = 94.37 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 17.3 W/kg
 SAR(1 g) = 9.13 W/kg; SAR(10 g) = 4.78 W/kg (SAR corrected for target medium)

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) = 12.0 W/kg



Appendix E DUT Scans

Assessments at the Body
Table 16

Motorola Solutions, Inc. EME Laboratory
Date/Time: 9/15/2016 6:42:27 PM

Robot#: DASY5-PG-2 | Run#: TLC-AB-160915-03
 Model#: LEX 10i
 Phantom#: TP 1174/3
 Tissue Temp: 20.2 (C)
 Serial#: 171PRQ1019
 Antenna: Ant 1
 Test Freq: 1860.000 (MHz)
 Battery: PMNN4472B Standard
 Carry Acc: HKLN4618A Rev 1 back
 Audio Acc: None
 Start Power: 177 (mW)

Comments: 20MHz BW, QPSK, 50% RB, OFFSET= Upper

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz), Communication System UID: 10297 - AAA,
 Duty Cycle: 1:3.81066,

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.49$ S/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3096, , Frequency: 1860 MHz, ConvF(4.74, 4.74, 4.74); Calibrated: 4/29/2016

Electronics: DAE4 Sn688, Calibrated: 4/21/2016

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (121x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 8.855 V/m; Power Drift = 0.12 dB

Fast SAR: SAR(1 g) = 0.423 W/kg; SAR(10 g) = 0.257 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.501 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.855 V/m; Power Drift = 0.13 dB

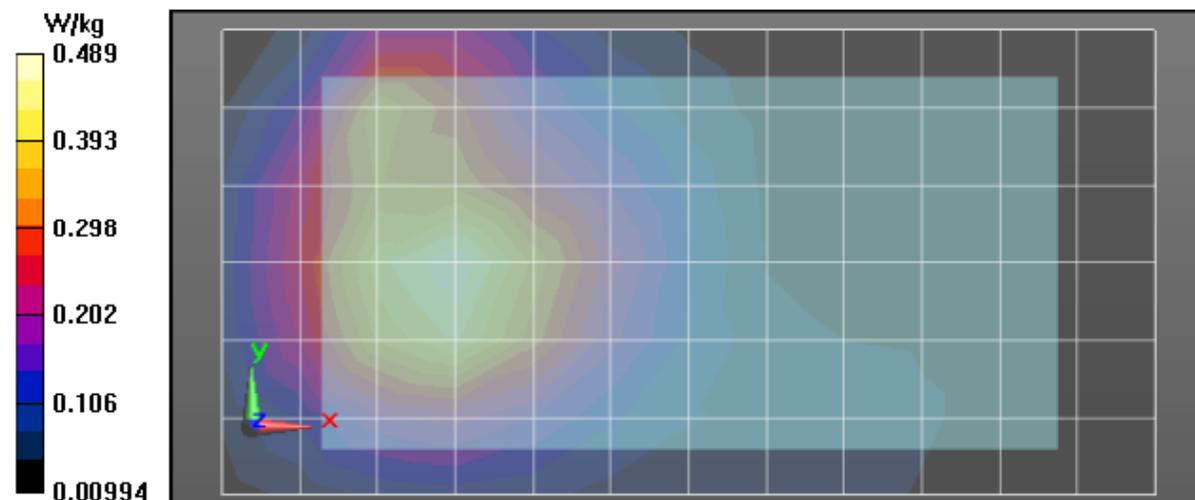
Peak SAR (extrapolated) = 0.674 W/kg

SAR(1 g) = 0.452 W/kg; SAR(10 g) = 0.288 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.525 W/kg

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

Maximum value of SAR (measured) = 0.111 W/kg



Assessments at hot spot mode
Table 17

Motorola Solutions, Inc. EME Laboratory
Date/Time: 9/16/2016 1:58:40 PM

Robot#: DASY5-PG-2 | Run#: TLC-AB-160916-11
Model#: LEX 10i
Phantom#: TP 1174/3
Tissue Temp: 21.0 (C)
Serial#: 171PRQ1019
Antenna: Ant 1
Test Freq: 1860.000 (MHz)
Battery: PMNN4475B Extended
Carry Acc: Hot spot - Non PTT side of DUT @ 1 cm
Audio Acc: None
Start Power: 177 (mW)

Comments: 20MHz BW, QPSK, 50% RB, OFFSET= Upper

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz), Communication System UID: 10297 - AAA,
Duty Cycle: 1:3.81066,

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.52$ S/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3096, , Frequency: 1860 MHz, ConvF(4.74, 4.74, 4.74); Calibrated: 4/29/2016

Electronics: DAE4 Sn688, Calibrated: 4/21/2016

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (121x31x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 11.68 V/m; Power Drift = 0.09 dB

Fast SAR: SAR(1 g) = 0.627 W/kg; SAR(10 g) = 0.348 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.791 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.68 V/m; Power Drift = 0.07 dB

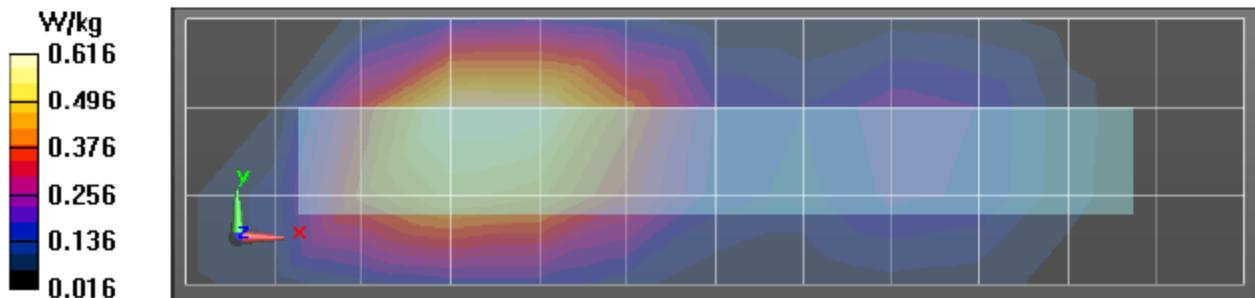
Peak SAR (extrapolated) = 0.953 W/kg

SAR(1 g) = 0.585 W/kg; SAR(10 g) = 0.346 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.703 W/kg

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

Maximum value of SAR (measured) = 0.193 W/kg



Assessments at Head

Table 18

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/16/2016 5:52:59 PM

Robot#: DASY5-PG-2 | Run#: TLC-REAR-160916-17
 Model#: LEX 10i
 Phantom#: SAMTP 1209
 Tissue Temp: 21.1 (C)
 Serial#: 171PRQ1019
 Antenna: Ant 1
 Test Freq: 1860.000 (MHz)
 Battery: PMNN4472B Standard
 Carry Acc: Touch
 Audio Acc: None
 Start Power: 177 (mW)

Comments: Touch 20MHz BW, QPSK, 50% RB, OFFSET= Upper

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz), Communication System UID: 10297 - AAA, Duty Cycle: 1:3.81066,

Medium parameters used: f = 1860 MHz; $\sigma = 1.43$ S/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3096, , Frequency: 1860 MHz, ConvF(5.05, 5.05, 5.05); Calibrated: 4/29/2016

Electronics: DAE4 Sn688, Calibrated: 4/21/2016

Below 2 GHz-Rev.2/Right Ear-Touch Position/1-Area Scan (71x111x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 16.89 V/m; Power Drift = -0.11 dB

Fast SAR: SAR(1 g) = 0.465 W/kg; SAR(10 g) = 0.276 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.562 W/kg

Below 2 GHz-Rev.2/Right Ear-Touch Position/3-Zoom Scan (5x5x7)/Cube 0: Measurement

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

Reference Value = 16.89 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.763 W/kg

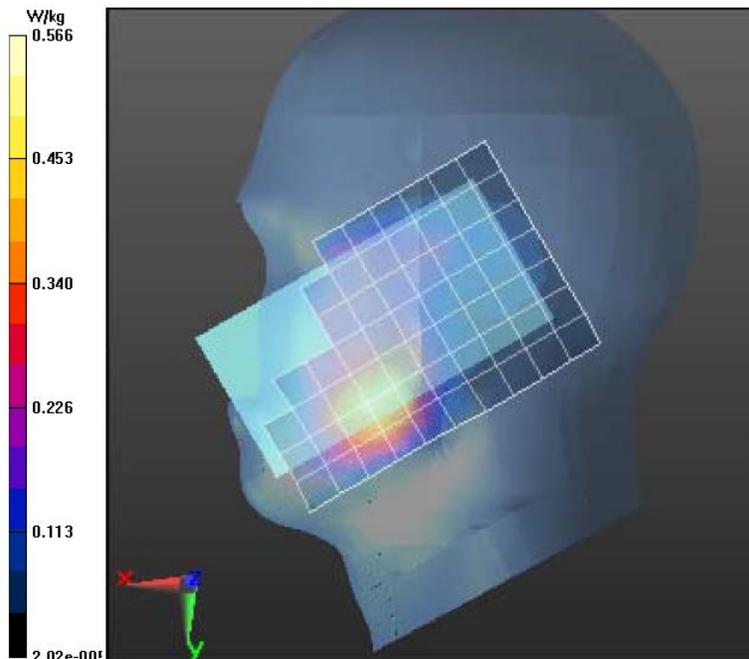
SAR(1 g) = 0.471 W/kg; SAR(10 g) = 0.288 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.559 W/kg

Below 2 GHz-Rev.2/Right Ear-Touch Position/4-Z-Axis Scan (1x1x17): Measurement grid:

dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.566 W/kg



APPENDIX F
Shortened Scan of Highest SAR configuration

Shortened Scan Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 9/16/2016 2:50:30 PM

Robot#: DASY5-PG-2 | Run#: TLC-AB-160916-13
 Model#: LEX 10i
 Phantom#: TP 1174/3
 Tissue Temp: 21.0 (C)
 Serial#: 171PRQ1019
 Antenna: Ant 1
 Test Freq: 1860.000 (MHz)
 Battery: PMNN4475B Extended
 Carry Acc: Hot spot - Non PTT side of DUT @ 1 cm
 Audio Acc: None
 Start Power: 177 (mW)

Comments: Shorten scan 20MHz BW, QPSK, 50% RB, OFFSET= Upper

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz), Communication System UID: 10297 - AAA, Duty Cycle: 1:3.81066,

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.52$ S/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3096, Frequency: 1860 MHz, ConvF(4.74, 4.74, 4.74); Calibrated: 4/29/2016

Electronics: DAE4 Sn688, Calibrated: 4/21/2016

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (121x31x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 11.52 V/m; Power Drift = 0.02 dB

Fast SAR: SAR(1 g) = 0.593 W/kg; SAR(10 g) = 0.331 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.749 W/kg

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

dy=0.7500 mm, dz=1.000 mm

Reference Value = 11.52 V/m; Power Drift = 0.03 dB

Fast SAR: SAR(1 g) = 0.565 W/kg; SAR(10 g) = 0.324 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.682 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm,

dy=7.5mm, dz=5mm

Reference Value = 21.42 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.879 W/kg

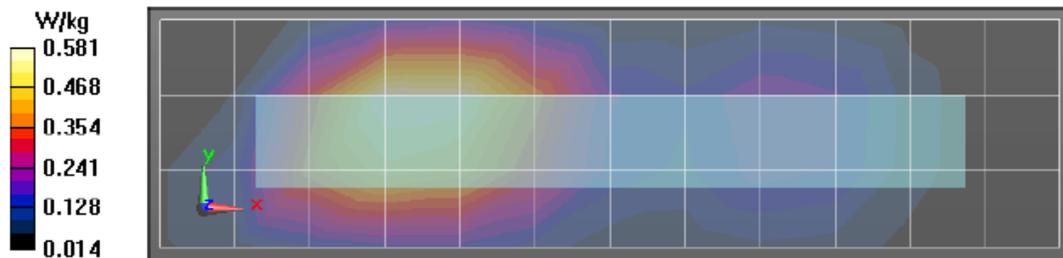
SAR(1 g) = 0.543 W/kg; SAR(10 g) = 0.322 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.650 W/kg

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

dz=10mm

Maximum value of SAR (measured) = 0.187 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)	SAR 10g (W/kg)
Shorten scan (zoom)	19	7	0.77	0.46
Full scan (area & zoom)	17	25	0.83	0.49

APPENDIX G DUT Test Position Photos

Body (Highest SAR configuration)

DUT with offered battery PMNN4472B and body worn holster HKLN4618A against the phantom. Same position used for front and back of DUT facing phantom.



DUT Separation Distances (mm)	
Bottom end	Top end
~14	~43

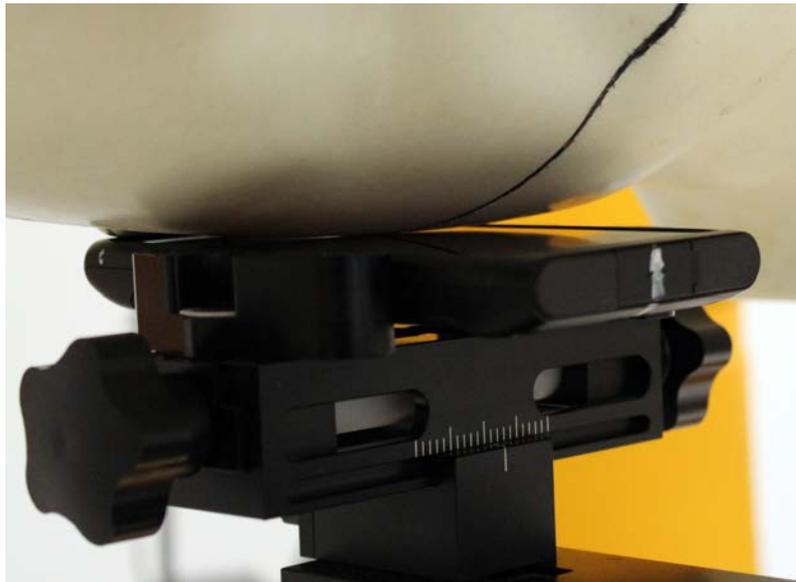
Hot spot mode (Highest SAR configuration)

DUT with offered battery PMNN4475B, Non PTT side (right side) positioned 10mm from phantom.

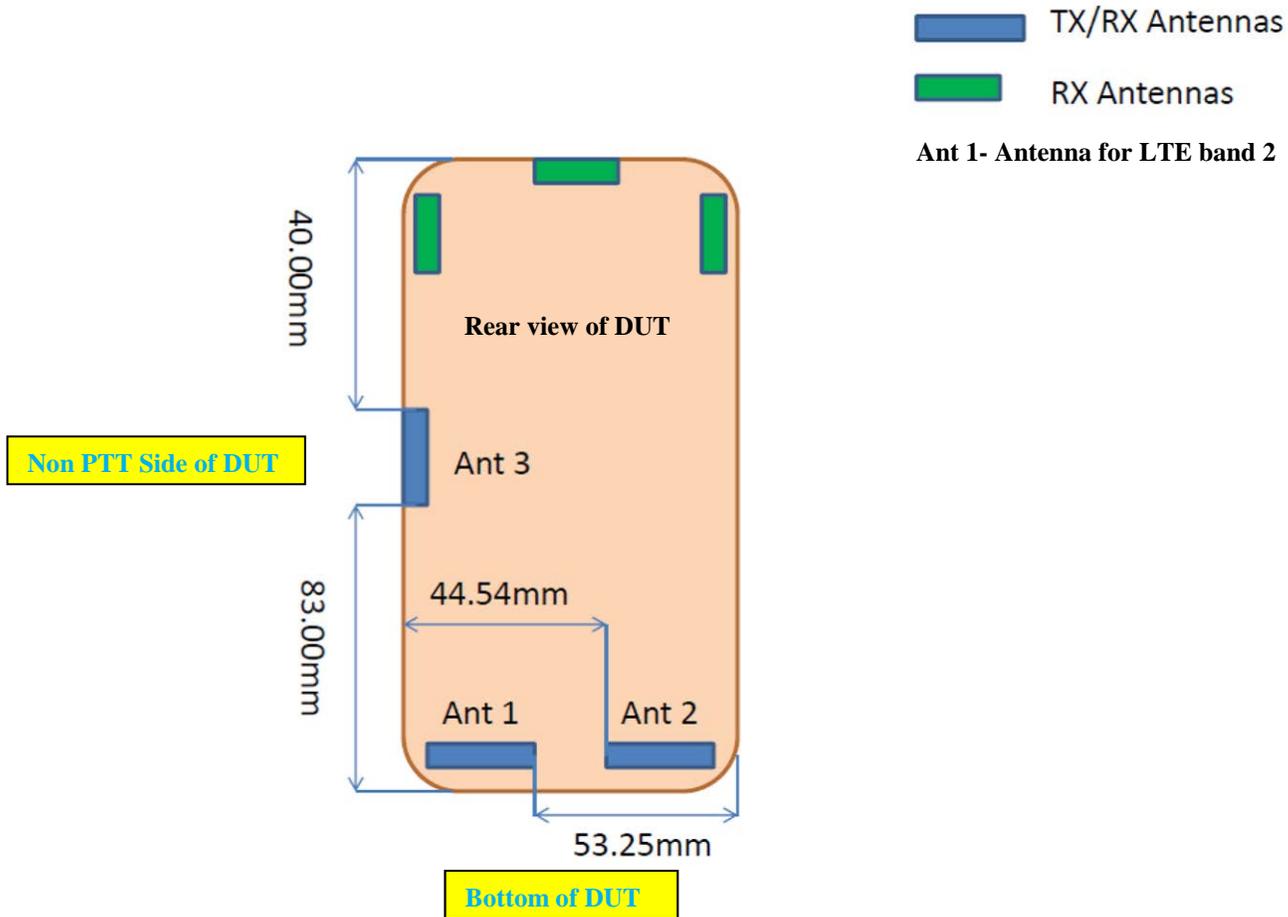


Head (Highest SAR configuration)

DUT with offered battery PMNN4472B positioned at right ear touch.



APPENDIX H Antenna Locations



Antenna	Description
Ant 1 - PL1000248	LTE/UMTS/GSM Tx/Rx Inverted-L Monopole Antenna 1710-2690 MHz ¼ wave, 28.7mm, 0.8 to -0.6 dBi
Ant 2 - PL1000248	LTE/UMTS/GSM Tx/Rx Inverted-L Monopole Antenna 703-960 MHz ¼ wave, 57.8mm,-0.4 to -2.2 dBi
Ant 3 - MC0121016	WiFi/BT Tx/Rx Inverted-L Monopole Antenna 2400-2484 MHz ¼ wave, 27.0mm, 1.0 dBi 5150-5850 MHz 1/2 wave, 27.0mm, 0.5 dBi