

**MOTOROLA SOLUTIONS**

**MS ISO/IEC 17025**  
**TESTING**  
**SAMM No.0826**

**DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2**

**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.

**Date of Report:** 12/14/2017  
**Report Revision:** B

**Responsible Engineer:** Chang Chi Chern (EME Engineer)  
**Report Author:** Chang Chi Chern (EME Engineer)  
**Date/s Tested:** 8/22/2017 – 12/14/2017  
**Manufacturer:** Motorola Solutions Inc.  
**DUT Description:** Si500 (Fusion), display, BT, 5GHz WiFi  
**Test TX mode(s):** WLAN 802.11b/g/n (2.4 GHz), WLAN 802.11 ac/n (5 GHz), Bluetooth, Bluetooth LE  
**Max. Power output:** Refer to Part 1. Table 3  
**Nominal Power:** Refer to Part 1, Table 3  
**Tx Frequency Bands:** WLAN 2.4 GHz 802.11 b/g/n, WLAN 5 GHz 802.11 ac/n, Bluetooth, Bluetooth LE  
**Signaling type:** DSSS, OFDM & FHSS (Bluetooth)  
**Model(s) Tested:** N7001A  
**Model(s) Certified:** N7001A  
**Serial Number(s):** 372P2B0020, 372P2B0043, 372TTX0098  
**Classification:** Occupational / Controlled (comply with General Population / Uncontrolled limit)  
**FCC ID:** AZ489FT7105; WLAN 2.4 GHz 802.11 b/g/n, WLAN 5 GHz 802.11 ac/n, Bluetooth, Bluetooth LE.  
 This report contains results that are immaterial for FCC equipment approval, which are clearly identified.

**IC:** 109U-89FT7105; This report contains results that are immaterial for IC equipment approval, which are clearly identified.

**FCC Test Firm Registration Number:** 823256

**ISED Test Site registration:** 109AK

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

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.

**Deanna Zakharia**  
**EME Lab Senior Resource Manager,**  
**Laboratory Director**  
**Approval Date: 12/15/2017**

## **Appendix D**

### **System Verification Check Scans**

**Motorola Solutions, Inc. EME Laboratory**  
Date/Time: 8/22/2017 12:11:06 AM

Robot#: DASY5-PG-1 | Run#: FD(FAZ)-SYSP-2450B-170822-01#  
Dipole Model# D2450V2  
Phantom#: TP1174-1  
Tissue Temp: 21.1 (C)  
Serial#: 782  
Test Freq: 2450.0000 (MHz)  
Start Power: 250 (mW)  
Rotation (1D): 0.13 dB  
Adjusted SAR (1W): 49.60 mW/g (1g)

**Comments:**

Duty Cycle: 1:1, Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.87$  S/m;  $\epsilon_r = 47.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Probe: EX3DV4 - SN3735, , Frequency: 2450 MHz, ConvF(7.24, 7.24, 7.24); Calibrated: 3/10/2017  
Electronics: DAE4 Sn729, Calibrated: 10/12/2016

**2-3 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x81x1): Interpolated**

grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 93.64 V/m; Power Drift = -0.03 dB

Fast SAR: SAR(1 g) = 12.6 W/kg; SAR(10 g) = 5.77 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 17.1 W/kg

**2-3 GHz-Rev.2/System Performance Check/0-Degree Cube (7x7x7)/Cube 0:**

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

Reference Value = 93.64 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 24.3 W/kg

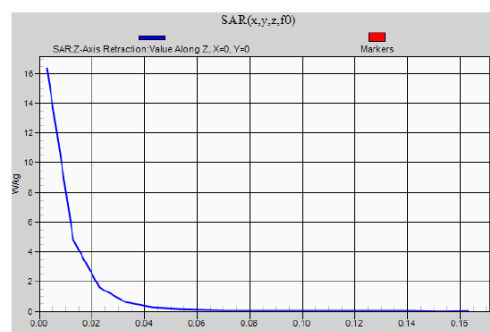
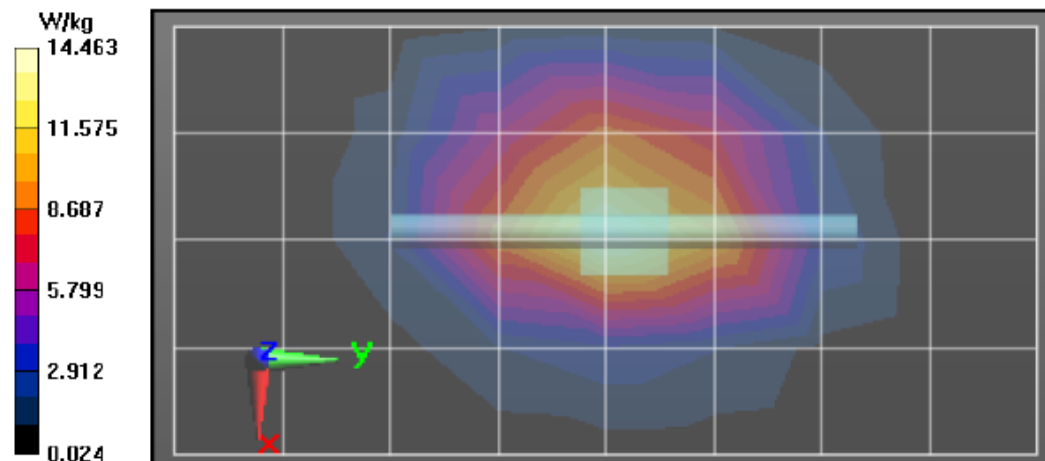
SAR(1 g) = 12.4 W/kg; SAR(10 g) = 5.89 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 16.1 W/kg

**2-3 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

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

Maximum value of SAR (measured) = 16.4 W/kg



**Motorola Solutions, Inc. EME Laboratory**  
Date/Time: 8/23/2017 1:09:38 AM

Robot#: DASY5-PG-1 | Run#: FIE(FAZ)-SYSP-2450B-170823-01  
 Dipole Model#: D2450V2  
 Phantom#: TP1174-1  
 Tissue Temp: 21.1 (C)  
 Serial#: 782  
 Test Freq: 2450.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.15 dB  
 Adjusted SAR (1W): 49.60 mW/g (1g)

**Comments:**

Duty Cycle: 1:1, Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.96$  S/m;  $\epsilon_r = 48.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN3735, , Frequency: 2450 MHz, ConvF(7.24, 7.24, 7.24); Calibrated: 3/10/2017  
 Electronics: DAE4 Sn729, Calibrated: 10/12/2016

**2-3 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x81x1): Interpolated**

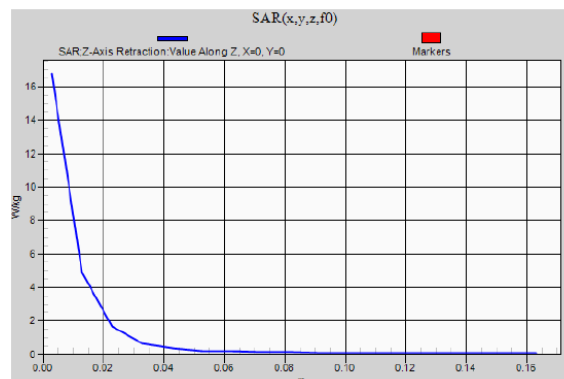
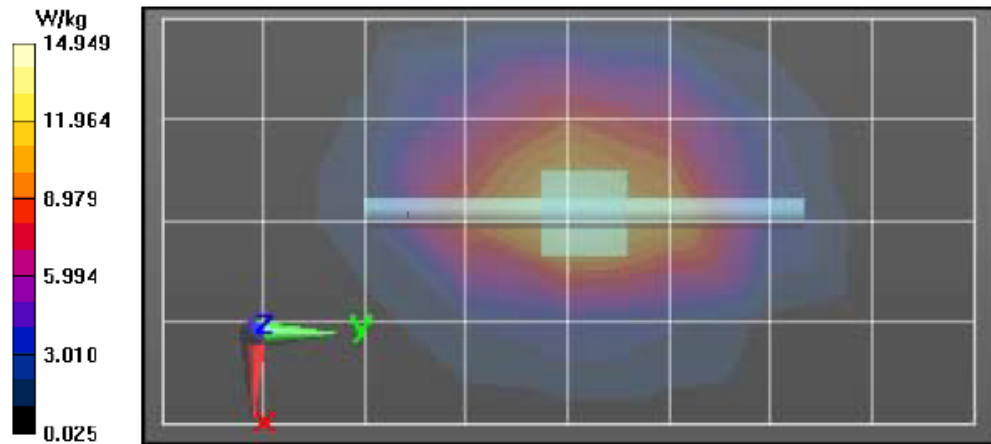
grid: dx=1.200 mm, dy=1.200 mm  
 Reference Value = 92.53 V/m; Power Drift = -0.01 dB  
 Fast SAR: SAR(1 g) = 12.6 W/kg; SAR(10 g) = 5.82 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 17.6 W/kg

**2-3 GHz-Rev.2/System Performance Check/0-Degree Cube (7x7x7)/Cube 0:**

Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 92.53 V/m; Power Drift = -0.01 dB  
 Peak SAR (extrapolated) = 24.7 W/kg  
 SAR(1 g) = 12.4 W/kg; SAR(10 g) = 5.9 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (measured) = 16.4 W/kg

**2-3 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

grid: dx=20mm, dy=20mm, dz=10mm  
 Maximum value of SAR (measured) = 16.8 W/kg



### Motorola Solutions, Inc. EME Laboratory

Date/Time: 10/9/2017 10:20:33 AM

Robot#: DASY5-PG-1 | Run#: FD(BL)-SYSP-2450B-171009-01  
 Dipole Model# D2450V2  
 Phantom#: TP1174/3  
 Tissue Temp: 20.7 (C)  
 Serial#: 782  
 Test Freq: 2450.0000 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.250 dB  
 Adjusted SAR (1W): 49.20 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used:  $f = 2450$  MHz;  $\sigma = 2.03$  S/m;  $\epsilon_r = 47.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN3735, , Frequency: 2450 MHz, ConvF(7.24, 7.24, 7.24); Calibrated: 3/10/2017  
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

#### 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 = 98.89 V/m; Power Drift = 0.01 dB

Fast SAR: SAR(1 g) = 12.4 W/kg; SAR(10 g) = 5.51 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 19.9 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 = 98.89 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 24.0 W/kg

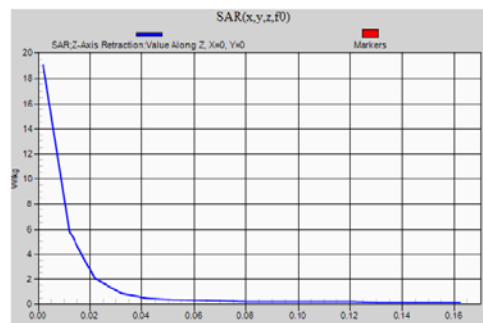
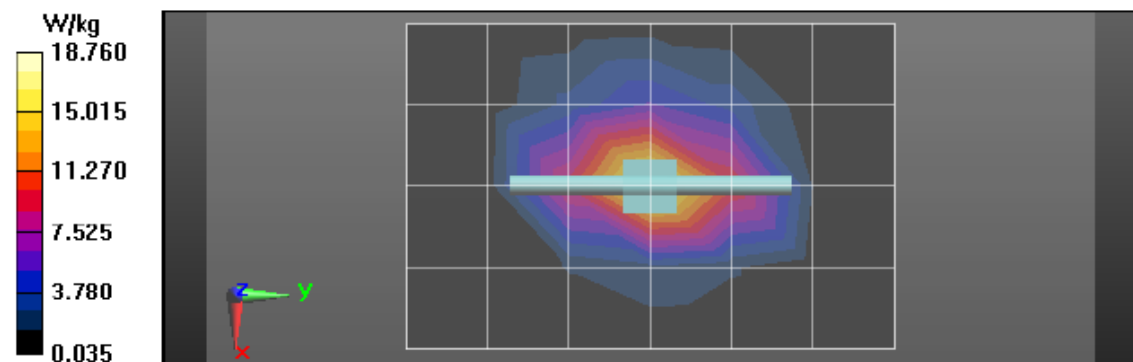
SAR(1 g) = 12.3 W/kg; SAR(10 g) = 5.92 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 18.9 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) = 19.1 W/kg



**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 11/29/2017 2:31:13 PM

Robot#: DASY5-PG-1 | Run#: AZ-SYSP-2450B-171129-08  
 Dipole Model#: D2450V2  
 Phantom#: ELI5 1147  
 Tissue Temp: 20.9 (C)  
 Serial#: 782  
 Test Freq: 2450 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.210 dB  
 Adjusted SAR (1W): 50.40 mW/g (1g)

**Comments:**

Communication System Band: Dipole 2450, Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.97$  S/m;  $\epsilon_r = 51$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN3735, , Frequency: 2450 MHz, ConvF(7.24, 7.24, 7.24); Calibrated: 3/10/2017  
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**2-3 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (51x81x1): Interpolated**

grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 99.79 V/m; Power Drift = -0.07 dB

Fast SAR: SAR(1 g) = 12.7 W/kg; SAR(10 g) = 5.83 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 20.1 W/kg

**2-3 GHz-Rev.2/System Performance Check/0-Degree Cube (7x7x7)/Cube 0:**

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

Reference Value = 99.79 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 23.2 W/kg

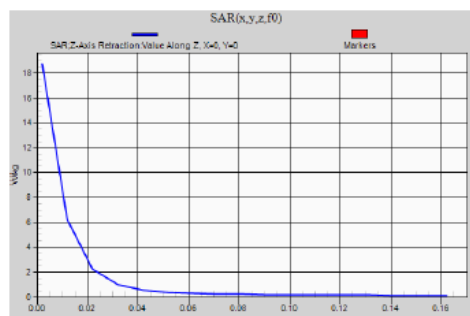
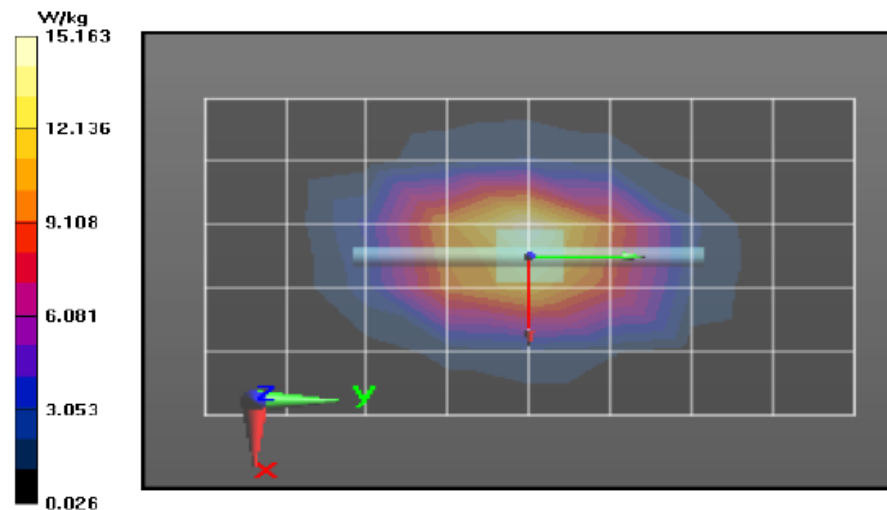
SAR(1 g) = 12.6 W/kg; SAR(10 g) = 6.15 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 18.5 W/kg

**2-3 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

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

Maximum value of SAR (measured) = 18.7 W/kg



**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 12/14/2017 7:44:45 PM

Robot#: DASY5-PG-1 | Run#: AZ-SYSP-2450B-171214-18  
 Dipole Model#: D2450V2  
 Phantom#: ELI5 1147  
 Tissue Temp: 21.5 (C)  
 Serial#: 782  
 Test Freq: 2450 (MHz)  
 Start Power: 250 (mW)  
 Rotation (1D): 0.210 dB  
 Adjusted SAR (1W): 50.80 mW/g (1g)

**Comments:**

Duty Cycle: 1:1, Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.98$  S/m;  $\epsilon_r = 49.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN3735, , Frequency: 2450 MHz, ConvF(7.24, 7.24, 7.24); Calibrated: 3/10/2017  
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**2-3 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (51x81x1): Interpolated**

grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 100.3 V/m; Power Drift = -0.00 dB

Fast SAR: SAR(1 g) = 12.8 W/kg; SAR(10 g) = 5.88 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 20.3 W/kg

**2-3 GHz-Rev.2/System Performance Check/0-Degree Cube (7x7x7)/Cube 0:**

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

Reference Value = 100.3 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 23.3 W/kg

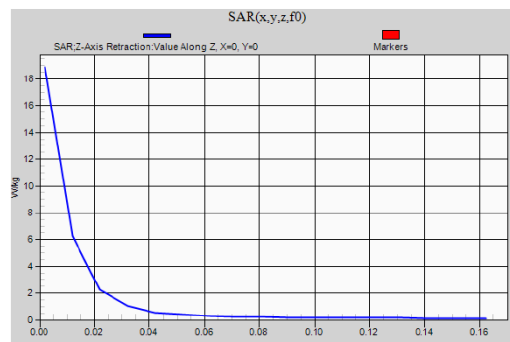
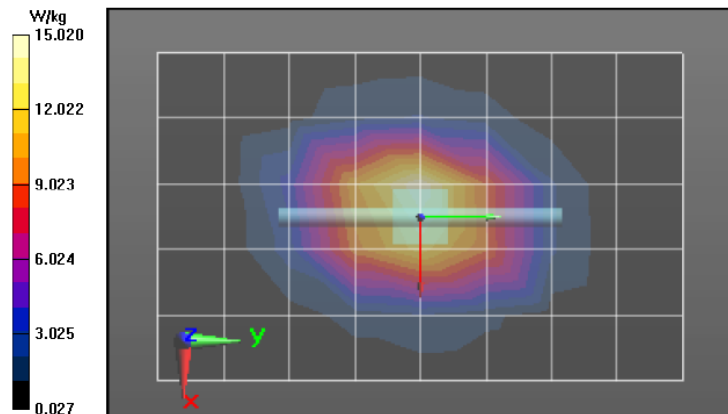
SAR(1 g) = 12.7 W/kg; SAR(10 g) = 6.22 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 18.8 W/kg

**2-3 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

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

Maximum value of SAR (measured) = 18.9 W/kg





**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 8/29/2017 9:04:30 AM

Robot#: DASY5-PG-1 | Run#: ZR-SYSP-5250B-170829-05  
 Dipole Model#: D5GHzV2  
 Phantom#: TP1174-1  
 Tissue Temp: 20.8 (C)  
 Serial#: 1026  
 Test Freq: 5250.000 (MHz)  
 Start Power: 100 (mW)  
 Rotation (1D): 0.23 dB  
 Adjusted SAR (1W): 75.00 mW/g (1g)

## Comments:

Duty Cycle: 1:1, Medium parameters used:  $f = 5250$  MHz;  $\sigma = 5.58$  S/m;  $\epsilon_r = 45.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN3735, , Frequency: 5250 MHz, ConvF(4.35, 4.35, 4.35); Calibrated: 3/10/2017  
 Electronics: DAE4 Sn729, Calibrated: 10/12/2016

**4-6 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated**

grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 64.64 V/m; Power Drift = -0.19 dB

Fast SAR: SAR(1 g) = 7.22 W/kg; SAR(10 g) = 1.99 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 18.6 W/kg

**4-6 GHz-Rev.4/System Performance Check/0-Degree Cube (8x8x12)/Cube 0:**

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 64.64 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 27.6 W/kg

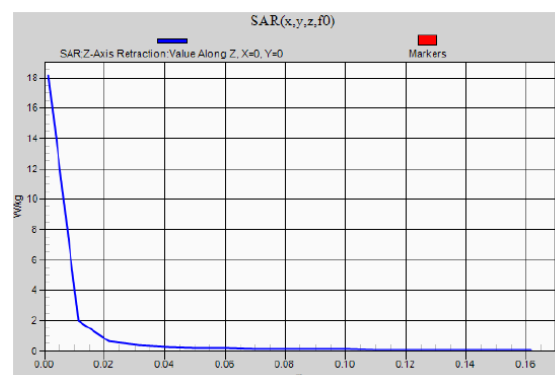
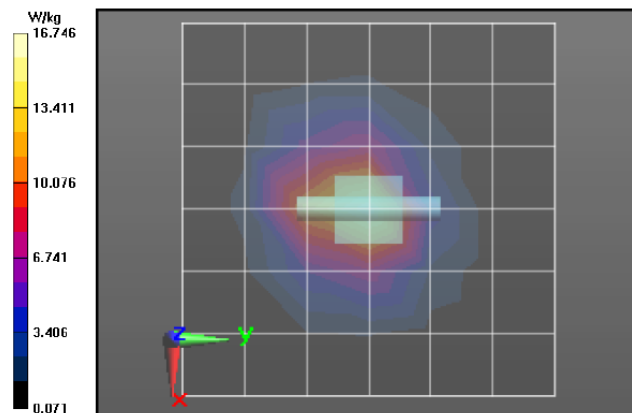
SAR(1 g) = 7.5 W/kg; SAR(10 g) = 2.17 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 17.7 W/kg

**4-6 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

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

Maximum value of SAR (measured) = 18.1 W/kg





**Motorola Solutions, Inc. EME Laboratory**  
Date/Time: 8/30/2017 9:17:56 AM

Robot#: DASY5-PG-1 | Run#: ZR-SYSP-5250B-170830-07  
Dipole Model# D5GHzV2  
Phantom#: TP1174-1  
Tissue Temp: 20.2 (C)  
Serial#: 1026  
Test Freq: 5250.000 (MHz)  
Start Power: 100 (mW)  
Rotation (1D): 0.2 dB  
Adjusted SAR (1W): 74.30 mW/g (1g)

**Comments:**

Duty Cycle: 1:1, Medium parameters used:  $f = 5250$  MHz;  $\sigma = 5.6$  S/m;  $\epsilon_r = 44.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Probe: EX3DV4 - SN3735, Frequency: 5250 MHz, ConvF(4.35, 4.35, 4.35); Calibrated: 3/10/2017  
Electronics: DAE4 Sn729, Calibrated: 10/12/2016

**4-6 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated**

grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 64.55 V/m; Power Drift = -0.08 dB

Fast SAR: SAR(1 g) = 7.25 W/kg; SAR(10 g) = 1.99 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 18.8 W/kg

**4-6 GHz-Rev.4/System Performance Check/0-Degree Cube (8x8x12)/Cube 0:**

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 64.55 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 28.4 W/kg

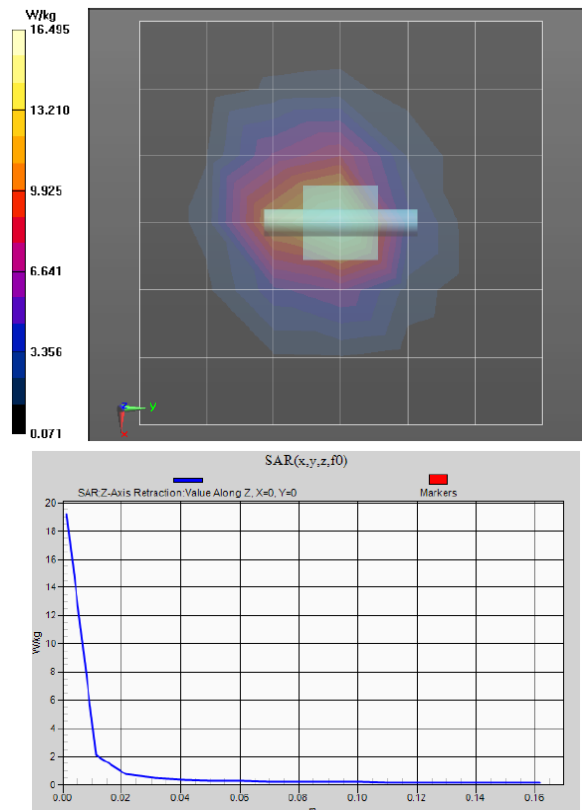
SAR(1 g) = 7.43 W/kg; SAR(10 g) = 2.14 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 18.7 W/kg

**4-6 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

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

Maximum value of SAR (measured) = 19.2 W/kg



**Motorola Solutions, Inc. EME Laboratory**  
Date/Time: 8/31/2017 1:59:35 PM

Robot#: DASY5-PG-1 | Run#: TLC-SYSP-5250B-170831-05  
Dipole Model# D5GHzV2  
Phantom#: TP1174-1  
Tissue Temp: 20.6 (C)  
Serial#: 1026  
Test Freq: 5250.000 (MHz)  
Start Power: 100 (mW)  
Rotation (1D): 0.25 dB  
Adjusted SAR (1W): 76.60 mW/g (1g)

Comments:

Communication System Band: Dipole 5 GHz, Communication System UID: 0, Duty Cycle: 1:1,  
Medium parameters used:  $f = 5250$  MHz;  $\sigma = 5.43$  S/m;  $\epsilon_r = 44.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Probe: EX3DV4 - SN3735, , Frequency: 5250 MHz, ConvF(4.35, 4.35, 4.35); Calibrated: 3/10/2017  
Electronics: DAE4 Sn729, Calibrated: 10/12/2016

**4-6 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated**

grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 65.94 V/m; Power Drift = -0.11 dB

Fast SAR: SAR(1 g) = 7.26 W/kg; SAR(10 g) = 2.01 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 18.7 W/kg

**4-6 GHz-Rev.4/System Performance Check/0-Degree Cube (8x8x12)/Cube 0:**

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 65.94 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 27.8 W/kg

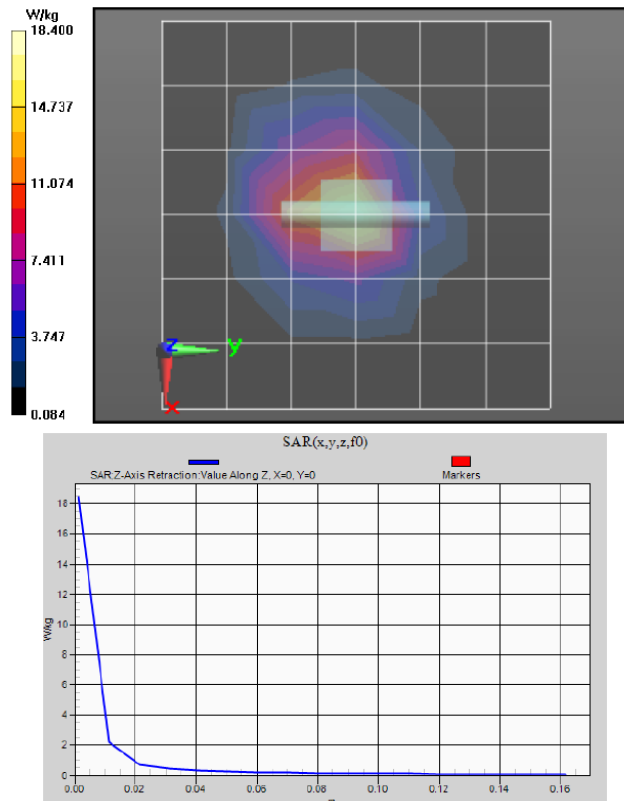
SAR(1 g) = 7.66 W/kg; SAR(10 g) = 2.21 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 18.5 W/kg

**4-6 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

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

Maximum value of SAR (measured) = 18.4 W/kg



**Motorola Solutions, Inc. EME Laboratory**  
Date/Time: 9/7/2017 1:42:24 PM

Robot#: DASY5-PG-1 | Run#: ZR-SYSP-5250B-170907-08#  
 Dipole Model# D5GHzV2  
 Phantom#: TP1174-1  
 Tissue Temp: 20.3 (C)  
 Serial#: 1026  
 Test Freq: 5250.000 (MHz)  
 Start Power: 100 (mW)  
 Rotation (1D): 0.25 dB  
 Adjusted SAR (1W): 77.30 mW/g (1g)

**Comments:**

Duty Cycle: 1:1, Medium parameters used:  $f = 5250$  MHz;  $\sigma = 5.45$  S/m;  $\epsilon_r = 44.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN3735, , Frequency: 5250 MHz, ConvF(4.35, 4.35, 4.35); Calibrated: 3/10/2017  
 Electronics: DAE4 Sn729, Calibrated: 10/12/2016

**4-6 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated**

grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 65.56 V/m; Power Drift = 0.02 dB

Fast SAR: SAR(1 g) = 7.24 W/kg; SAR(10 g) = 2 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 18.7 W/kg

**4-6 GHz-Rev.4/System Performance Check/0-Degree Cube (8x8x12)/Cube 0:**

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 65.56 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 30.3 W/kg

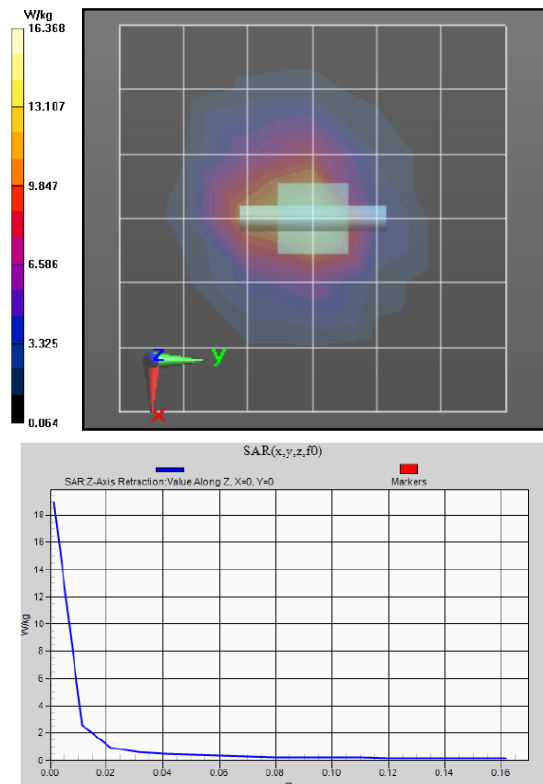
SAR(1 g) = 7.73 W/kg; SAR(10 g) = 2.24 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 19.4 W/kg

**4-6 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

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

Maximum value of SAR (measured) = 19.0 W/kg



**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 11/29/2017 8:57:19 AM

Robot#: DASY5-PG-1 | Run#: AZ-SYSP-5250B-171129-04  
 Dipole Model# D5GHzV2  
 Phantom#: ELI4 1090  
 Tissue Temp: 20.6 (C)  
 Serial#: 1026  
 Test Freq: 5250.0000 (MHz)  
 Start Power: 100.00 (mW)  
 Rotation (1D): 0.230 dB  
 Adjusted SAR (1W): 85.10 mW/g (1g)

**Comments:**

Communication System Band: Dipole 5 GHz, Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 5250$  MHz;  $\sigma = 5.49$  S/m;  $\epsilon_r = 47.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN3735, , Frequency: 5250 MHz, ConvF(4.35, 4.35, 4.35); Calibrated: 3/10/2017  
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**4-6 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated**

grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 68.23 V/m; Power Drift = -0.07 dB

Fast SAR: SAR(1 g) = 7.84 W/kg; SAR(10 g) = 2.21 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 20.5 W/kg

**4-6 GHz-Rev.4/System Performance Check/0-Degree Cube (8x8x12)/Cube 0:**

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 68.23 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 31.3 W/kg

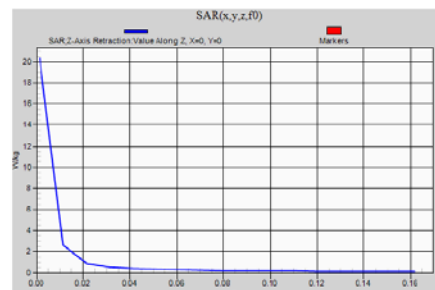
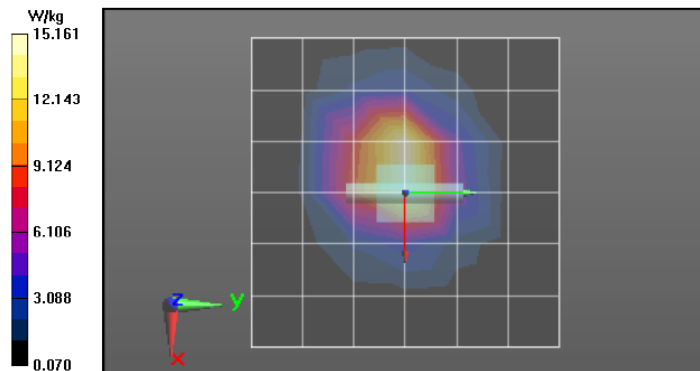
SAR(1 g) = 8.51 W/kg; SAR(10 g) = 2.48 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 19.7 W/kg

**4-6 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

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

Maximum value of SAR (measured) = 20.3 W/kg



**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 9/1/2017 12:12:24 PM

Robot#: DASY5-PG-1 | Run#: TLC-SYSP-5500B-170901-01  
 Dipole Model# D5GHzV2  
 Phantom#: TP1174-1  
 Tissue Temp: 20.8 (C)  
 Serial#: 1026  
 Test Freq: 5500.000 (MHz)  
 Start Power: 100 (mW)  
 Rotation (1D): 0.25 dB  
 Adjusted SAR (1W): 82.50 mW/g (1g)

**Comments:**

Communication System Band: Dipole 5 GHz, Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.74$  S/m;  $\epsilon_r = 44.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN3735, , Frequency: 5500 MHz, ConvF(4, 4, 4); Calibrated: 3/10/2017  
 Electronics: DAE4 Sn729, Calibrated: 10/12/2016

**4-6 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated**

grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 66.97 V/m; Power Drift = 0.22 dB

Fast SAR: SAR(1 g) = 7.83 W/kg; SAR(10 g) = 2.15 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 20.9 W/kg

**4-6 GHz-Rev.4/System Performance Check/0-Degree Cube (8x8x12)/Cube 0:**

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 66.97 V/m; Power Drift = 0.22 dB

Peak SAR (extrapolated) = 33.4 W/kg

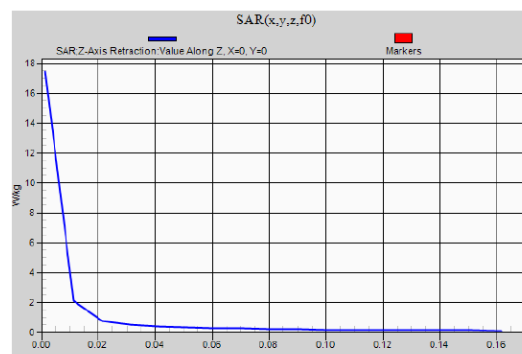
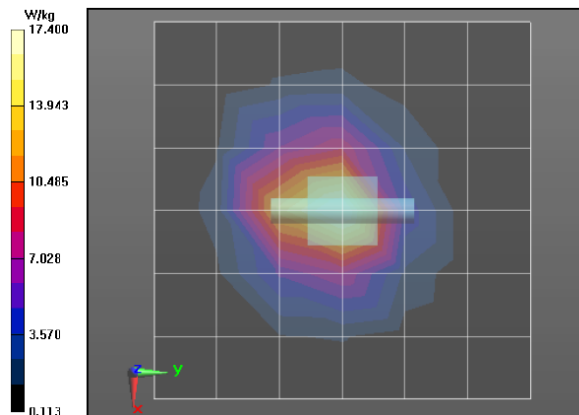
SAR(1 g) = 8.25 W/kg; SAR(10 g) = 2.37 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 20.9 W/kg

**4-6 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

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

Maximum value of SAR (measured) = 17.4 W/kg



**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 9/4/2017 9:31:54 AM

Robot#: DASY5-PG-1 | Run#: TLC-SYSP-5500B-170904-01  
 Dipole Model# D5GHzV2  
 Phantom#: TP1174-1  
 Tissue Temp: 20.2 (C)  
 Serial#: 1026  
 Test Freq: 5500.000 (MHz)  
 Start Power: 100 (mW)  
 Rotation (1D): 0.19 dB  
 Adjusted SAR (1W): 76.00 mW/g (1g)

**Comments:**

Duty Cycle: 1:1, Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.82$  S/m;  $\epsilon_r = 43.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Probe: EX3DV4 - SN3735, , Frequency: 5500 MHz, ConvF(4, 4, 4); Calibrated: 3/10/2017

Electronics: DAE4 Sn729, Calibrated: 10/12/2016

**4-6 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated**

grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 64.80 V/m; Power Drift = -0.09 dB

Fast SAR: SAR(1 g) = 7.3 W/kg; SAR(10 g) = 2.01 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 19.4 W/kg

**4-6 GHz-Rev.4/System Performance Check/0-Degree Cube (8x8x12)/Cube 0:**

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 64.80 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 29.7 W/kg

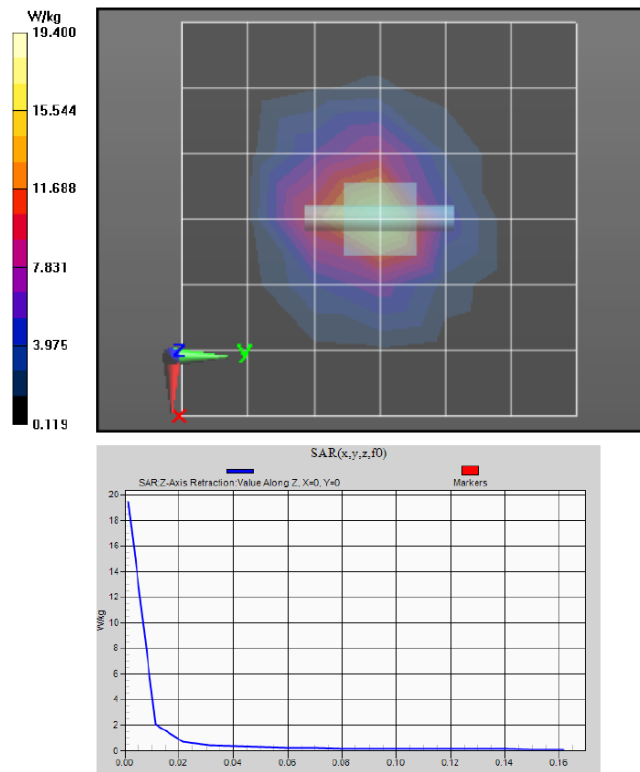
SAR(1 g) = 7.6 W/kg; SAR(10 g) = 2.18 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 18.7 W/kg

**4-6 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

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

Maximum value of SAR (measured) = 19.4 W/kg





**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 9/6/2017 10:25:00 PM

Robot#: DASY5-PG-1 | Run#: AM-SYSP-5500B-170906-12  
 Dipole Model#: D5GHzV2  
 Phantom#: TP1174-1  
 Tissue Temp: 20.3 (C)  
 Serial#: 1026  
 Test Freq: 5500.000 (MHz)  
 Start Power: 100 (mW)  
 Rotation (1D): 0.250 dB  
 Adjusted SAR (1W): 81.70 mW/g (1g)

**Comments:**

Duty Cycle: 1:1, Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.77$  S/m;  $\epsilon_r = 43.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN3735, , Frequency: 5500 MHz, ConvF(4, 4, 4); Calibrated: 3/10/2017  
 Electronics: DAE4 Sn729, Calibrated: 10/12/2016

**4-6 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated**

grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 66.71 V/m; Power Drift = -0.26 dB

Fast SAR: SAR(1 g) = 7.7 W/kg; SAR(10 g) = 2.11 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 20.6 W/kg

**4-6 GHz-Rev.4/System Performance Check/0-Degree Cube (8x8x12)/Cube 0:**

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 66.71 V/m; Power Drift = -0.26 dB

Peak SAR (extrapolated) = 32.1 W/kg

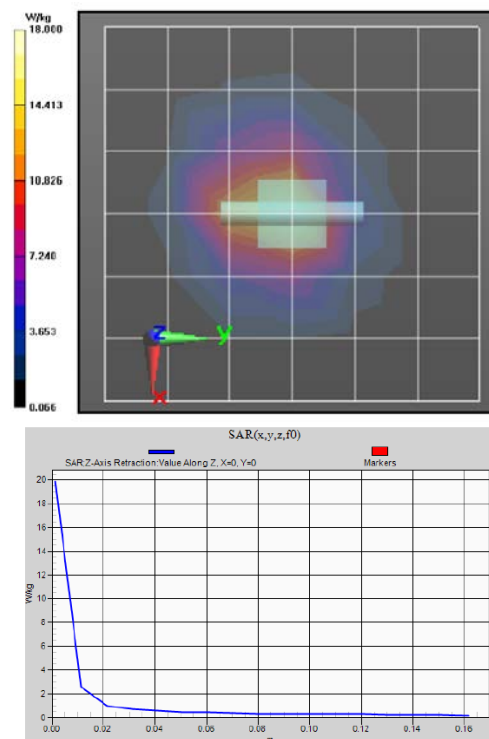
SAR(1 g) = 8.17 W/kg; SAR(10 g) = 2.34 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 20.6 W/kg

**4-6 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

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

Maximum value of SAR (measured) = 19.9 W/kg





**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 11/30/2017 12:05:21 AM

Robot#: DASY5-PG-1 | Run#: FD(AN)-SYSP-5500B-171130-01#  
 Dipole Model#: D5GHzV2  
 Phantom#: ELI4 1090  
 Tissue Temp: 20.8 (C)  
 Serial#: 1026  
 Test Freq: 5500.0000 (MHz)  
 Start Power: 100.00 (mW)  
 Rotation (1D): 0.25 dB  
 Adjusted SAR (1W): 79.60 mW/g (1g)

**Comments:**

Communication System Band: Dipole 5 GHz, Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.82$  S/m;  $\epsilon_r = 47$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN3735, , Frequency: 5500 MHz, ConvF(4, 4, 4); Calibrated: 3/10/2017  
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**4-6 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated**

grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 65.08 V/m; Power Drift = -0.15 dB

Fast SAR: SAR(1 g) = 7.22 W/kg; SAR(10 g) = 2.03 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 19.2 W/kg

**4-6 GHz-Rev.4/System Performance Check/0-Degree Cube (8x8x12)/Cube 0:**

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 65.08 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 30.9 W/kg

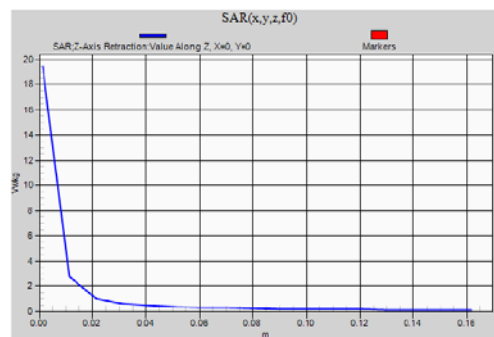
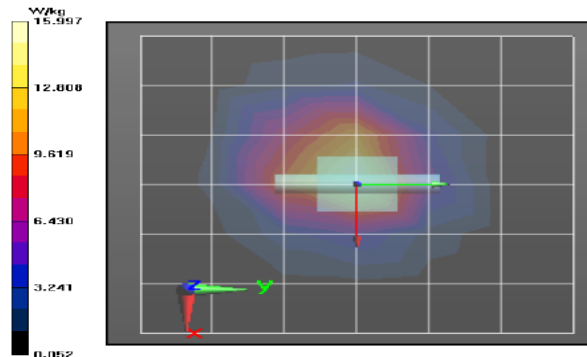
SAR(1 g) = 7.96 W/kg; SAR(10 g) = 2.31 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 19.6 W/kg

**4-6 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

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

Maximum value of SAR (measured) = 19.4 W/kg



**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 9/4/2017 10:24:06 PM

Robot#: DASY5-PG-1 | Run#: AM-SYSP-5750B-170904-09  
 Dipole Model# D5GHzV2  
 Phantom#: TP1174-1  
 Tissue Temp: 20.5 (C)  
 Serial#: 1026  
 Test Freq: 5750.000 (MHz)  
 Start Power: 100 (mW)  
 Rotation (1D): 0.23 dB  
 Adjusted SAR (1W): 76.90 mW/g (1g)

**Comments:**

Duty Cycle: 1:1, Medium parameters used:  $f = 5750$  MHz;  $\sigma = 6.12$  S/m;  $\epsilon_r = 43.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN3735, , Frequency: 5750 MHz, ConvF(3.83, 3.83, 3.83); Calibrated: 3/10/2017  
 Electronics: DAE4 Sn729, Calibrated: 10/12/2016

**4-6 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated**

grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 64.86 V/m; Power Drift = -0.01 dB

Fast SAR: SAR(1 g) = 7.09 W/kg; SAR(10 g) = 1.96 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 19.3 W/kg

**4-6 GHz-Rev.4/System Performance Check/0-Degree Cube (8x8x12)/Cube 0:**

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 64.86 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 30.2 W/kg

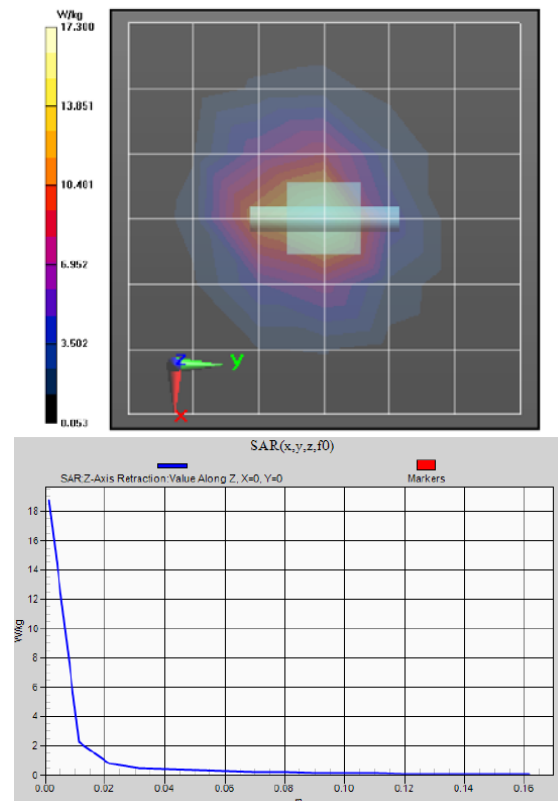
SAR(1 g) = 7.69 W/kg; SAR(10 g) = 2.23 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 19.4 W/kg

**4-6 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

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

Maximum value of SAR (measured) = 18.8 W/kg



**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 9/5/2017 8:51:38 PM

Robot#: DASY5-PG-1 | Run#: AM-SYSP-5750B-170905-13  
 Dipole Model# D5GHzV2  
 Phantom#: TP1174-1  
 Tissue Temp: 20.8 (C)  
 Serial#: 1026  
 Test Freq: 5750.000 (MHz)  
 Start Power: 100 (mW)  
 Rotation (1D): 0.240 dB  
 Adjusted SAR (1W): 77.10 mW/g (1g)

**Comments:**

Duty Cycle: 1:1, Medium parameters used:  $f = 5750$  MHz;  $\sigma = 6.1$  S/m;  $\epsilon_r = 43.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN3735, , Frequency: 5750 MHz, ConvF(3.83, 3.83, 3.83); Calibrated: 3/10/2017  
 Electronics: DAE4 Sn729, Calibrated: 10/12/2016

**4-6 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated**

grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 64.75 V/m; Power Drift = -0.11 dB

Fast SAR: SAR(1 g) = 7.05 W/kg; SAR(10 g) = 1.95 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 19.1 W/kg

**4-6 GHz-Rev.4/System Performance Check/0-Degree Cube (8x8x12)/Cube 0:**

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 64.75 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 28.5 W/kg

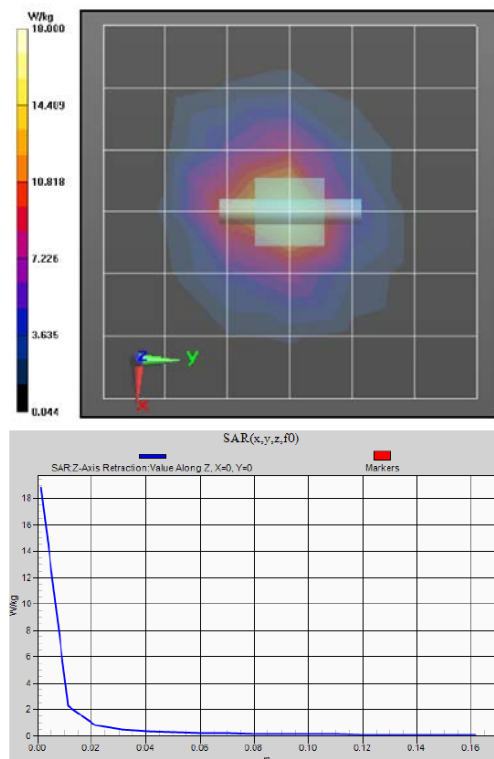
SAR(1 g) = 7.71 W/kg; SAR(10 g) = 2.25 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 18.5 W/kg

**4-6 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

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

Maximum value of SAR (measured) = 18.8 W/kg



**Motorola Solutions, Inc. EME Laboratory**

Date/Time: 12/5/2017 6:24:47 PM

Robot#: DASY5-PG-1 | Run#: AZ-SYSP-5750B-171205-12  
 Dipole Model#: D5GHzV2  
 Phantom#: ELI4 1090  
 Tissue Temp: 20.6 (C)  
 Serial#: 1026  
 Test Freq: 5500.0000 (MHz)  
 Start Power: 100.00 (mW)  
 Rotation (1D): 0.24 dB  
 Adjusted SAR (1W): 79.50 mW/g (1g)

**Comments:**

Communication System Band: Dipole 5 GHz, Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 5750$  MHz;  $\sigma = 6.07$  S/m;  $\epsilon_r = 46$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN3735, , Frequency: 5750 MHz, ConvF(3.83, 3.83, 3.83); Calibrated: 3/10/2017  
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**4-6 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated**

grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 65.41 V/m; Power Drift = -0.13 dB

Fast SAR: SAR(1 g) = 7.01 W/kg; SAR(10 g) = 1.98 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 19.0 W/kg

**4-6 GHz-Rev.4/System Performance Check/0-Degree Cube (8x8x12)/Cube 0:**

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 65.41 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 29.2 W/kg

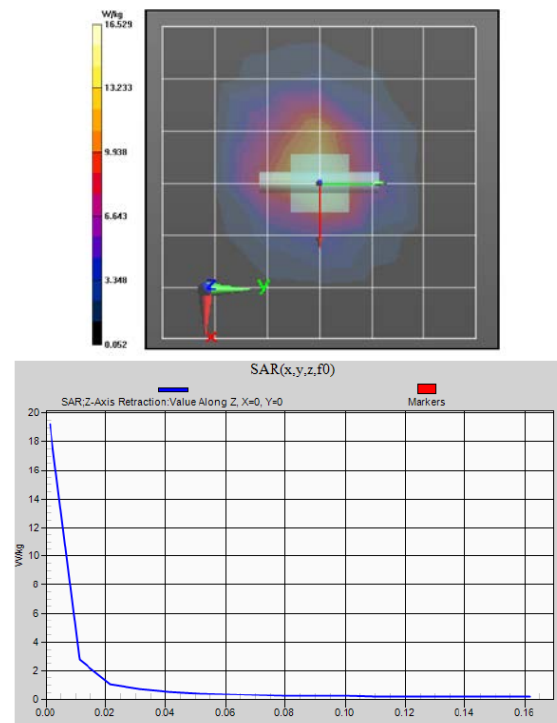
SAR(1 g) = 7.95 W/kg; SAR(10 g) = 2.35 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 19.4 W/kg

**4-6 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement**

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

Maximum value of SAR (measured) = 19.2 W/kg



## **Appendix E**

### **DUT Scans**

**WLAN Assessments at the Body 2.4 GHz (802.11 b/g/n)**  
**Assessments at the Body with all offered Body worn**

**Table 18****Motorola Solutions, Inc. EME Laboratory**

Date/Time: 11/29/2017 4:02:10 PM

Robot#: DASY5-PG-1 | Run#: AZ-AB-171129-10  
 Model#: N7001A  
 Phantom#: ELI5 1147  
 Tissue Temp: 20.8 (C)  
 Serial#: 372TTX0098  
 Antenna: AN000183A05  
 Test Freq: 2412.000 (MHz)  
 Battery: PMNN4549A High Cap Battery  
 Carry Acc: PMLN7698A @ front of DUT  
 Audio Acc: None  
 Start Power: 0.058 (W)

**Comments:**

Communication System Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz), Communication System UID: 10415 - AAA,  
 Duty Cycle: 1:1.42561,

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.92$  S/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Probe: EX3DV4 - SN3735, , Frequency: 2412 MHz, ConvF(7.24, 7.24, 7.24); Calibrated: 3/10/2017

Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**2-3 GHz-Rev.2/Ab Scan/1-Area Scan (141x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 5.615 V/m; Power Drift = 0.13 dB

Fast SAR: SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.063 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.265 W/kg

**2-3 GHz-Rev.2/Ab Scan/3-Zoom Scan (8x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm,  
 dz=5mm

Reference Value = 5.615 V/m; Power Drift = 0.22 dB

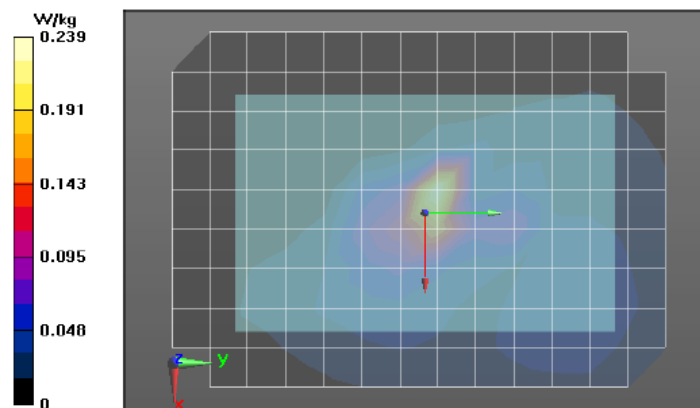
Peak SAR (extrapolated) = 0.357 W/kg

SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.077 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.263 W/kg

**2-3 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm,  
 dz=10mm

Maximum value of SAR (measured) = 0.270 W/kg



**WLAN Assessments at the Body 5 GHz (802.11 ac/n)**  
**Assessments at the Body U-NII-2A with all offered Body worn**

**Table 20**  
**Motorola Solutions, Inc. EME Laboratory**  
 Date/Time: 11/29/2017 9:12:03 PM

Robot#: DASY5-PG-1 | Run#: FD(AN)-AB-171129-15  
 Model#: N7001A  
 Phantom#: ELI4 1090  
 Tissue Temp: 20.8 (C)  
 Serial#: 372TTX0098  
 Antenna: AN000183A05  
 Test Freq: 5310.0000 (MHz)  
 Battery: PMNN4507A Slim Battery  
 Carry Acc: PMLN7699A @ front of DUT  
 Audio Acc: None  
 Start Power: 0.034 (W)

**Comments:**

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10534 - AAA, Duty Cycle: 1:6.99842,

Medium parameters used:  $f = 5310$  MHz;  $\sigma = 5.57$  S/m;  $\epsilon_r = 47.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

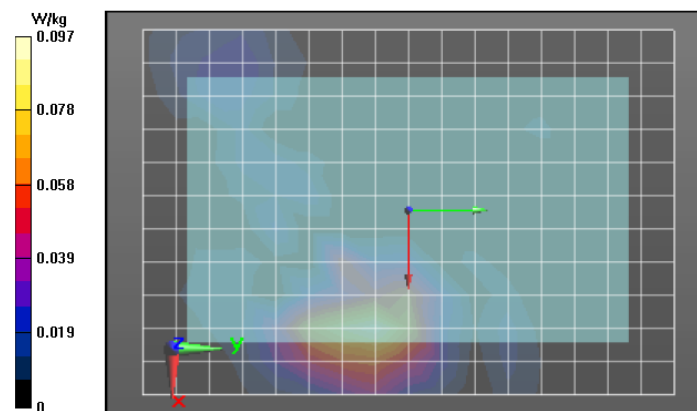
Probe: EX3DV4 - SN3735, , Frequency: 5310 MHz, ConvF(4.35, 4.35, 4.35); Calibrated: 3/10/2017

Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**4-6 GHz-Rev.4/Full Ab Scan/1-Area Scan (111x161x1):** Interpolated grid: dx=0.9000 mm, dy=0.9000 mm  
 Reference Value = 3.882 V/m; Power Drift = -0.04 dB  
 Fast SAR: SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.017 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (interpolated) = 0.0973 W/kg

**4-6 GHz-Rev.4/Full Ab Scan/3-Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
 Reference Value = 3.882 V/m; Power Drift = 0.00 dB  
 Peak SAR (extrapolated) = 0.201 W/kg  
 SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.015 W/kg (SAR corrected for target medium)  
 Maximum value of SAR (measured) = 0.115 W/kg

**4-6 GHz-Rev.4/Full Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm  
 Maximum value of SAR (measured) = 0.0626 W/kg





## Assessments at the Body U-NII-2C with all offered Body worn

### Table 21

#### Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/30/2017 1:48:56 AM

Robot#: DASY5-PG-1 | Run#: FD(AN)-AB-171130-02#  
 Model#: N7001A  
 Phantom#: ELI4 1090  
 Tissue Temp: 21.0 (C)  
 Serial#: 372TTX0098  
 Antenna: AN000183A05  
 Test Freq: 5550.0000 (MHz)  
 Battery: PMNN4549A High Cap Battery  
 Carry Acc: PMLN7700A w/ WALN4307A@ front of DUT  
 Audio Acc: None  
 Start Power: 0.033 (W)

#### Comments:

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10534 - AAA, Duty Cycle: 1:6.99842,

Medium parameters used:  $f = 5550$  MHz;  $\sigma = 5.89$  S/m;  $\epsilon_r = 46.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Probe: EX3DV4 - SN3735, , Frequency: 5550 MHz, ConvF(4, 4, 4); Calibrated: 3/10/2017

Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**4-6 GHz-Rev.4/Full Ab Scan/1-Area Scan (111x161x1):** Interpolated grid:  $dx=0.9000$  mm,  $dy=0.9000$  mm

Reference Value = 5.685 V/m; Power Drift = 0.45 dB

Fast SAR: SAR(1 g) = 0.086 W/kg; SAR(10 g) = 0.026 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.232 W/kg

**4-6 GHz-Rev.4/Full Ab Scan/3-Zoom Scan (10x9x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 5.685 V/m; Power Drift = 0.52 dB

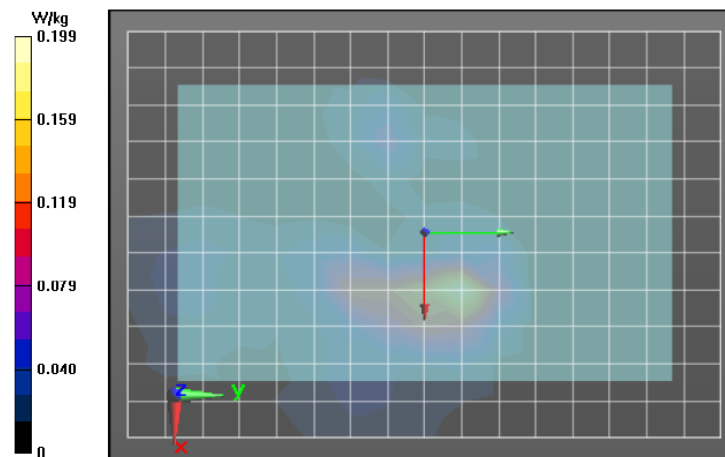
Peak SAR (extrapolated) = 0.290 W/kg

SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.022 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.198 W/kg

**4-6 GHz-Rev.4/Full Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid:  $dx=20$ mm,  $dy=20$ mm,  $dz=10$ mm

Maximum value of SAR (measured) = 0.204 W/kg



## Assessments at the Body U-NII-3 with all offered Body worn

Table 22

## Motorola Solutions, Inc. EME Laboratory

Date/Time: 12/5/2017 7:49:29 PM

Robot#: DASY5-PG-1 | Run#: ZR(AN)-AB-171205-14  
 Model#: N7001A  
 Phantom#: ELI4 1090  
 Tissue Temp: 20.6 (C)  
 Serial#: 372TTX0098  
 Antenna: AN000183A05  
 Test Freq: 5710.0000 (MHz)  
 Battery: PMNN4549A Ultra High Cap Battery  
 Carry Acc: PMLN7699A @ front of DUT  
 Audio Acc: None  
 Start Power: 0.034 (W)

## Comments:

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10534 - AAA, Duty Cycle: 1:6.99842,

Medium parameters used:  $f = 5710$  MHz;  $\sigma = 6.02$  S/m;  $\epsilon_r = 46$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Probe: EX3DV4 - SN3735, , Frequency: 5710 MHz, ConvF(3.83, 3.83, 3.83); Calibrated: 3/10/2017

Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**4-6 GHz-Rev.4/Full Ab Scan/1-Area Scan (111x161x1):** Interpolated grid: dx=0.9000 mm,

dy=0.9000 mm

Reference Value = 4.912 V/m; Power Drift = 0.34 dB

Fast SAR: SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.034 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.289 W/kg

**4-6 GHz-Rev.4/Full Ab Scan/3-Zoom Scan (10x10x12)/Cube 0:** Measurement grid: dx=4mm,

dy=4mm, dz=2mm

Reference Value = 4.912 V/m; Power Drift = 0.22 dB

Peak SAR (extrapolated) = 0.415 W/kg

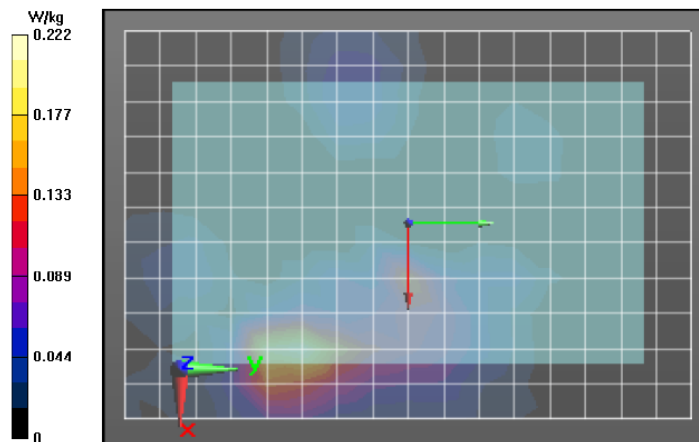
SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.033 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.254 W/kg

**4-6 GHz-Rev.4/Full Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm,

dz=10mm

Maximum value of SAR (measured) = 0.247 W/kg



## Assessments for ISED, Canada

Table 23

## Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/29/2017 4:02:10 PM

Robot#: DASY5-PG-1 | Run#: AZ-AB-171129-10  
 Model#: N7001A  
 Phantom#: ELI5 1147  
 Tissue Temp: 20.8 (C)  
 Serial#: 372TTX0098  
 Antenna: AN000183A05  
 Test Freq: 2412.000 (MHz)  
 Battery: PMNN4549A High Cap Battery  
 Carry Acc: PMLN7698A @ front of DUT  
 Audio Acc: None  
 Start Power: 0.058 (W)

## Comments:

Communication System Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz), Communication System UID: 10415 - AAA,  
 Duty Cycle: 1:1.42561,

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.92$  S/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Probe: EX3DV4 - SN3735, , Frequency: 2412 MHz, ConvF(7.24, 7.24, 7.24); Calibrated: 3/10/2017

Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**2-3 GHz-Rev.2/Ab Scan/1-Area Scan (141x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 5.615 V/m; Power Drift = 0.13 dB

Fast SAR: SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.063 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.265 W/kg

**2-3 GHz-Rev.2/Ab Scan/3-Zoom Scan (8x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.615 V/m; Power Drift = 0.22 dB

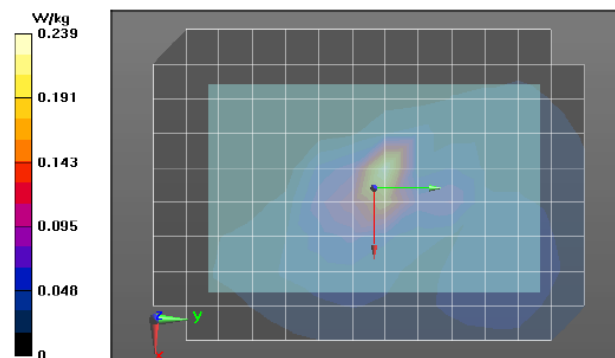
Peak SAR (extrapolated) = 0.357 W/kg

SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.077 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.263 W/kg

**2-3 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.270 W/kg



**Assessments at the Bluetooth band**  
**Industry Canada Requirement**  
**Table 25**

**Motorola Solutions, Inc. EME Laboratory**  
**Date/Time: 11/29/2017 6:30:02 PM**

Robot#: DASY5-PG-1 | Run#: AZ-AB-171129-13

Model#: N7001A  
 Phantom#: ELI5 1147  
 Tissue Temp: 21.1 (C)  
 Serial#: 372TTX0098  
 Antenna: AN000183A05  
 Test Freq: 2402.000 (MHz)  
 Battery: PMNN4549A High Cap Battery  
 Carry Acc: PMLN7698A @ front of DUT  
 Audio Acc: None  
 Start Power: 0.009 (W)

**Comments:**

Communication System Band: Fusion 1.5 BT, Communication System UID: 0, Duty Cycle: 1:1,  
 Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.91$  S/m;  $\epsilon_r = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN3735, , Frequency: 2402 MHz, ConvF(7.24, 7.24, 7.24); Calibrated: 3/10/2017  
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**2-3 GHz-Rev.2/Ab Scan/1-Area Scan (141x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 1.995 V/m; Power Drift = 0.08 dB

Fast SAR: SAR(1 g) = 0.024 W/kg; SAR(10 g) = 0.00915 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0530 W/kg

**2-3 GHz-Rev.2/Ab Scan/3-Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.995 V/m; Power Drift = 0.55 dB

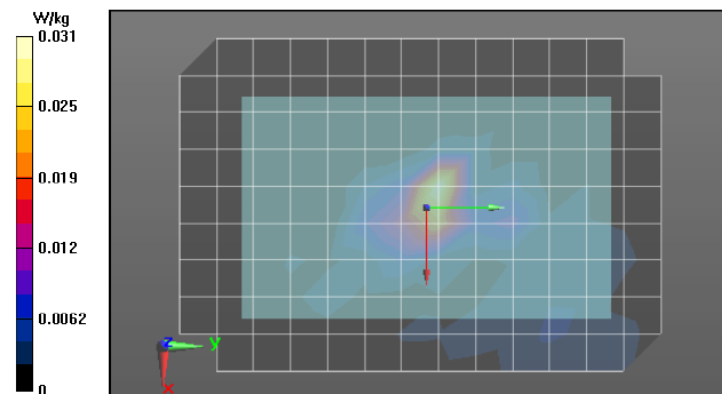
Peak SAR (extrapolated) = 0.0540 W/kg

SAR(1 g) = 0.022 W/kg; SAR(10 g) = 0.00892 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0350 W/kg

**2-3 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.00620 W/kg



## **APPENDIX F**

### **Shortened Scan of Highest SAR configuration**

**Shortened Scan****Table 26****Motorola Solutions, Inc. EME Laboratory**

Date/Time: 12/14/2017 10:11:58 PM

Robot#: DASY5-PG-1 | Run#: AZ-AB-171214-20  
 Model#: N7001A  
 Phantom#: ELI5 1147  
 Tissue Temp: 20.7 (C)  
 Serial#: 372TTX0098  
 Antenna: AN000183A05  
 Test Freq: 2412.000 (MHz)  
 Battery: PMNN4549A High Cap Battery  
 Carry Acc: PMLN7698A @ front of DUT  
 Audio Acc: None  
 Start Power: 0.057 (W)

Comments: Shorten Scan

Duty Cycle: 1:1.42561, Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.94$  S/m;  $\epsilon_r = 50$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Probe: EX3DV4 - SN3735, , Frequency: 2412 MHz, ConvF(7.24, 7.24, 7.24); Calibrated: 3/10/2017  
 Electronics: DAE4 Sn1488, Calibrated: 2/14/2017

**2-3 GHz-Rev.2/Ab Scan/1-Area Scan (141x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 5.759 V/m; Power Drift = 0.33 dB

Fast SAR: SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.063 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.230 W/kg

**2-3 GHz-Rev.2/Ab Scan/2-Volume 2D Scan (61x61x1):** Interpolated grid: dx=0.5000 mm,

dy=0.5000 mm, dz=1.000 mm

Reference Value = 5.759 V/m; Power Drift = 0.33 dB

Fast SAR: SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.064 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.236 W/kg

**2-3 GHz-Rev.2/Ab Scan/3-Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm,

dz=5mm

Reference Value = 10.36 V/m; Power Drift = -0.21 dB

Peak SAR (extrapolated) = 0.293 W/kg

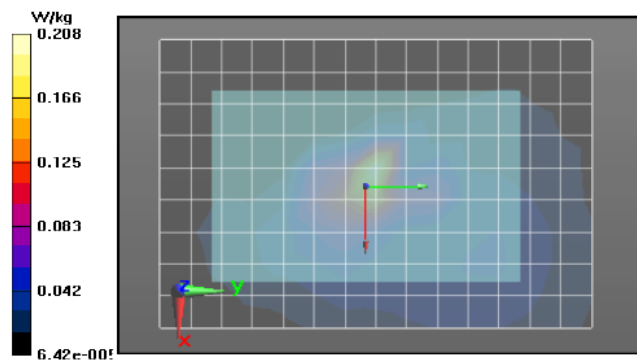
SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.075 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.217 W/kg

**2-3 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm,

dz=10mm

Maximum value of SAR (measured) = 0.228 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)     | 26               | 10               | 0.219         |
| Full scan (area & zoom) | 18               | 40               | 0.234         |

## **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**