MOTOROLA SOLUTIONS

TESTING CERT # 2518.05

DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2

Motorola Solutions Inc.
EME Test Laboratory
Motorola Solutions Malaysia Sdn Bhd (455657-H)
Plot 2, Bayan Lepas Technoplex Industrial Park,
Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.

Date of Report: 12/29/2015
Report Revision: C

Responsible Engineer:	Tiong Nguk Ing (EME Engineer)
Report Author:	Tiong Nguk Ing (EME Engineer)
Date/s Tested:	05/21/2015-05/27/2015 & 06/12/2015-06/15/2015
Manufacturer:	Motorola Solutions Inc.
DUT Description:	Handheld Portable – 403-470 MHz Full Keypad WLAN GOB
Test TX mode(s):	TDMA (PTT) , Bluetooth, WLAN 802.11 b/g/n
Max. Power output:	3.6 W (LMR 403-470 MHz band), 7.9 mW (Bluetooth), 22.4mW (WLAN 802.11 b), 7.9 mW (WLAN 802.11g), 7.9 mW (WLAN 802.11n)
Nominal Power:	3.0 W (LMR 403-470 MHz band), 6.3 mW (Bluetooth), 17.8 mW (WLAN 802.11 b), 6.3 mW (WLAN 802.11g), 6.3 mW (WLAN 802.11n)
Tx Frequency Bands:	LMR 403-470 MHz; Bluetooth 2.402-2.480 GHz; WLAN 802.11 b/g/n 2.412-2.462 GHz
Signaling type:	4FSK and TDMA (LMR), FHSS (Bluetooth), 802.11 b/g/n (WLAN)
Model(s) Tested:	PMUE3877D
Model(s) Certified:	PMUE3877D
Serial Number(s):	682TRH1862, 682TRH1977, 682TRH1912
Classification:	Occupational/Controlled
FCC ID:	AZ489FT7072; LMR 406.125-470 MHz, Bluetooth 2.402-2.480 GHz, WLAN 802.11 b/g/n 2.412-2.462 GHz This report contains results that are immaterial for FCC equipment approval, which are clearly identified.
IC:	109U-89FT7072; This report contains results that are immaterial for IC equipment approval, which are clearly identified.

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 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 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 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

Deanna Zakharia

Digitally signed by Deanna Zakharia
DN: cn=Deanna Zakharia, o=Motorola Solutions, ou=Regulatory Compliance Lab, email=edc015@motorolasolutions.com, c=US
Date: 2016.01.05 11:36:59 -05'00'

Deanna Zakharia
EME Lab Senior Resource Manager,
Laboratory Director
Approval Date: 1/5/2016

Appendix D
System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/12/2015 7:58:44 AM

Robot#: DASY5-PG-1 | Run#:	FIE-SYSP-450B-150612-01
Dipole Model#	D450V3
Phantom#:	ELI4 1028
Tissue Temp:	21.3 (C)
Serial#:	1053
Test Freq:	450.000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.099 dB
Adjusted SAR (1W):	4.20 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; σ = 0.93 S/m; ε_r = 55.6; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3096, , Frequency: 450 MHz, ConvF(6.73, 6.73, 6.73); Calibrated: 11/12/2014
Electronics: DAE4 Sn1294, Calibrated: 11/3/2014

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x181x1):

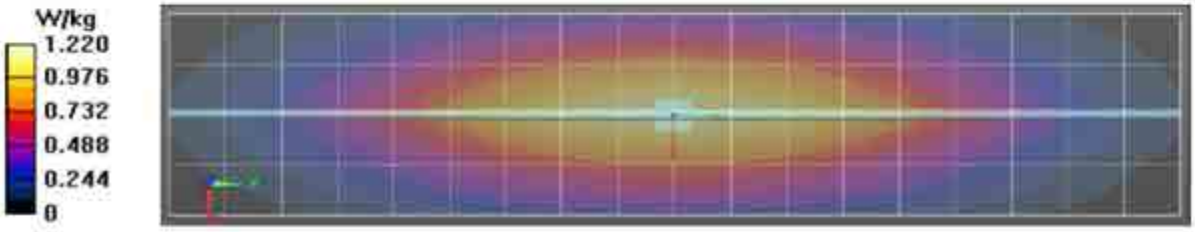
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 36.24 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.750 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.22 W/kg

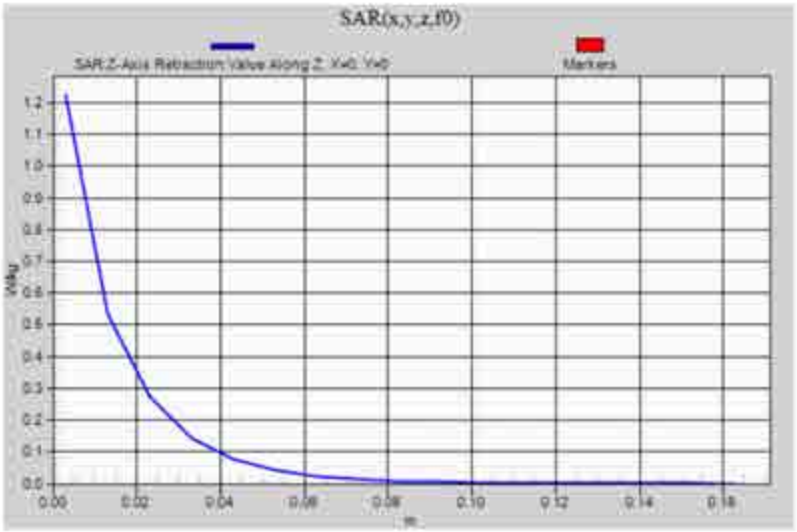
Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 36.24 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.70 W/kg
SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.690 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.23 W/kg

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

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





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Date/Time: 6/15/2015 4:52:55 PM

Robot#: DASY5-PG-1 | Run#:	MO-SYSP-450B-150615-04
Dipole Model#	D450V3
Phantom#:	ELI4 1028
Tissue Temp:	20.3 (C)
Serial#:	1053
Test Freq:	450.000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.15 dB
Adjusted SAR (1W):	4.56 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; σ = 0.93 S/m; ε_r = 55.6; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3096, , Frequency: 450 MHz, ConvF(6.73, 6.73, 6.73); Calibrated: 11/12/2014
Electronics: DAE4 Sn1294, Calibrated: 11/3/2014

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x181x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 38.16 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.815 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.32 W/kg

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x19x1):

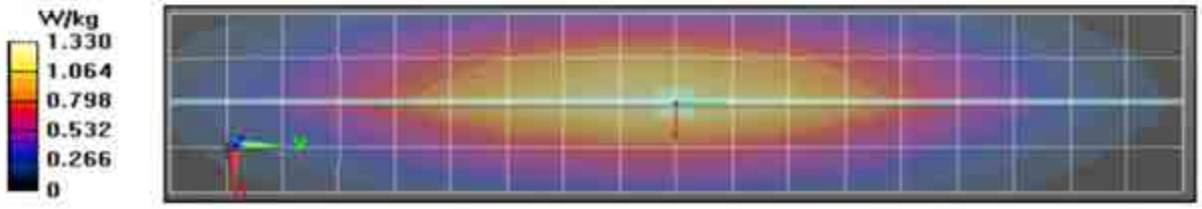
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.30 W/kg

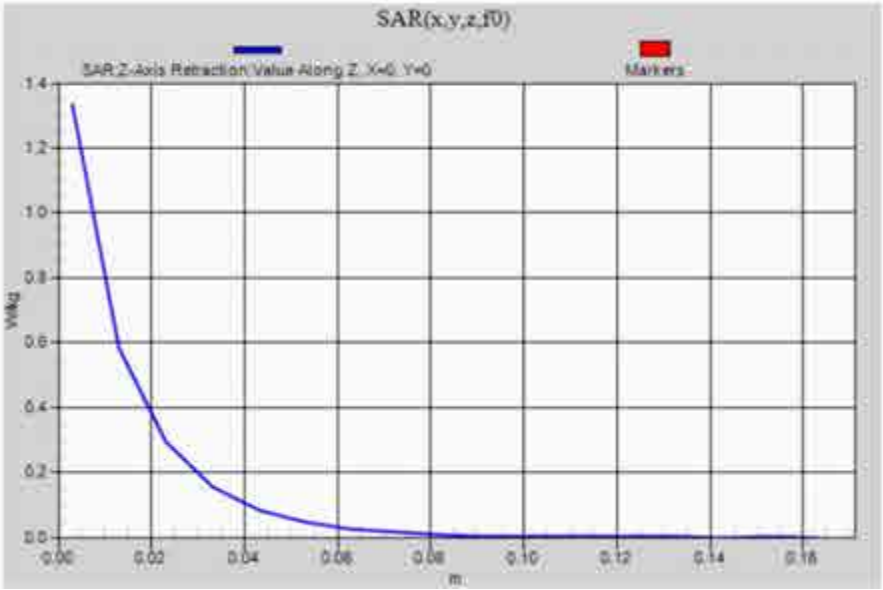
Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 38.16 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.85 W/kg
SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.749 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.33 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: 6/13/2015 2:11:39 PM

Robot# DASY5-PG-1 | Run#:	MO-SYSP-450H-150613-02
Dipole Model#	D450V3
Phantom#:	ELI4 1037
Tissue Temp:	21.0 (C)
Serial#:	1053
Test Freq:	450.000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.039 dB
Adjusted SAR (1W):	4.48 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; σ = 0.89 S/m; ε_r = 41.7; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3096, , Frequency: 450 MHz, ConvF(6.61, 6.61, 6.61); Calibrated: 11/12/2014
Electronics: DAE4 Sn1294, Calibrated: 11/3/2014

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x181x1):

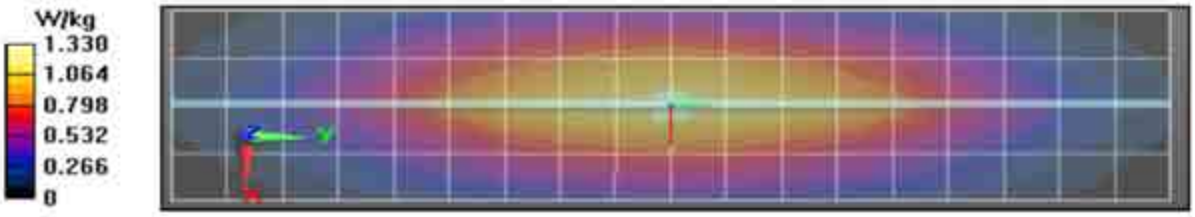
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 38.87 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.766 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.26 W/kg

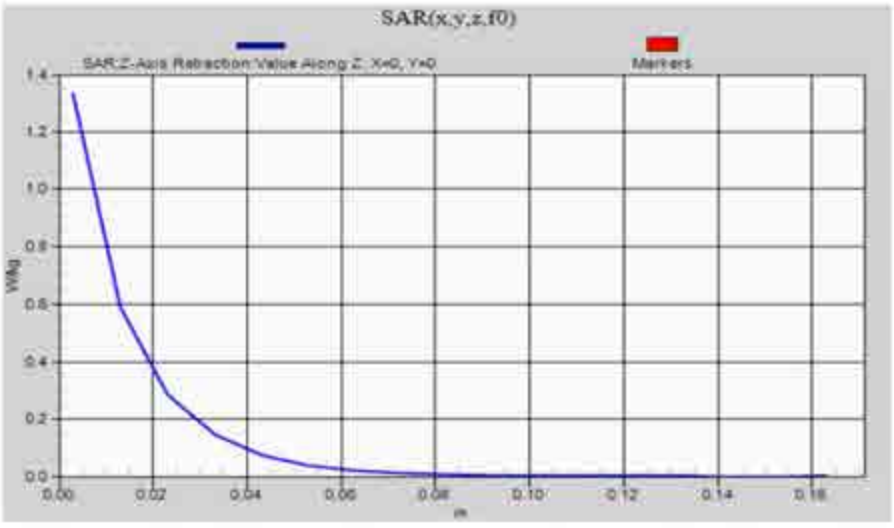
Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 38.87 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 1.76 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.733 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.35 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) = 1.33 W/kg





Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/14/2015 12:33:18 PM

Robot#: DASY5-PG-1 | Run#:	AZ-SYSP-450H-150614-01
Dipole Model#	D450V3
Phantom#:	ELI4 1037
Tissue Temp:	21.1 (C)
Serial#:	1053
Test Freq:	450.000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.042 dB
Adjusted SAR (1W):	4.16 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; σ = 0.9 S/m; ε_r = 42.3; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3096, , Frequency: 450 MHz, ConvF(6.61, 6.61, 6.61); Calibrated: 11/12/2014
Electronics: DAE4 Sn1294, Calibrated: 11/3/2014

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x181x1):

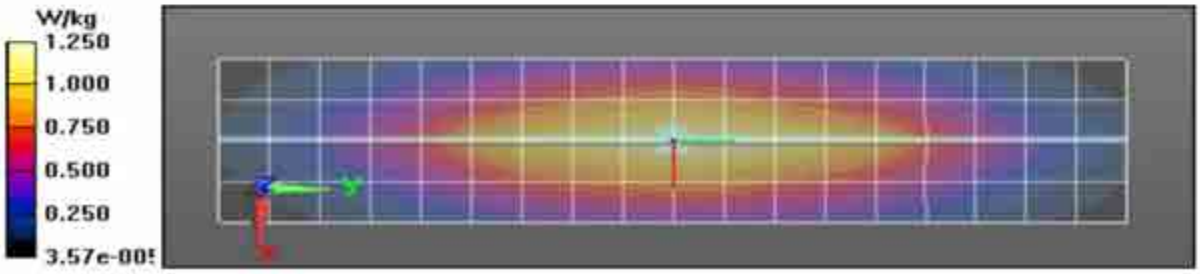
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 38.57 V/m; Power Drift = -0.09 dB
Fast SAR: SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.757 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.25 W/kg

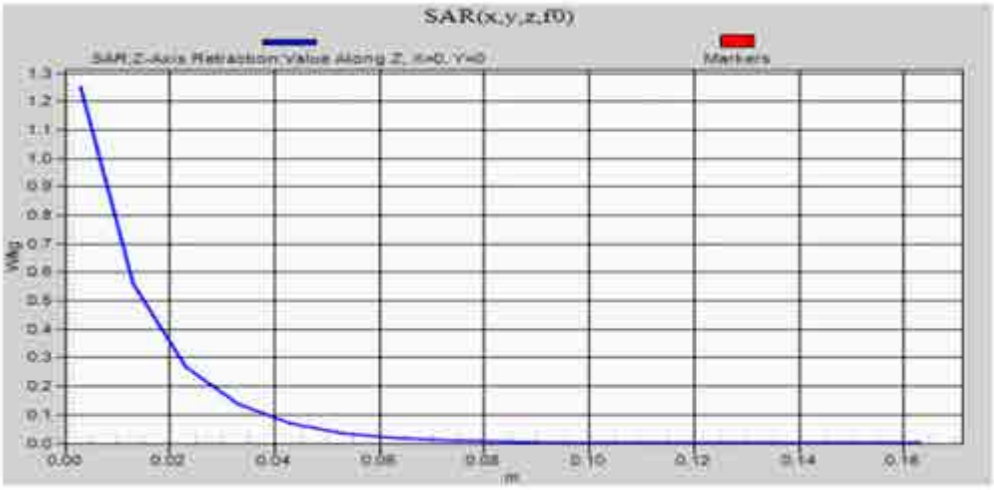
Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 38.57 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.60 W/kg
SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.690 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.26 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) = 1.25 W/kg





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Date/Time: 6/15/2015 7:45:48 PM

Robot#: DASY5-PG-1 | Run#:	MO-SYSP-450H-150615-08
Dipole Model#	D450V3
Phantom#:	ELI4 1037
Tissue Temp:	20.9 (C)
Serial#:	1053
Test Freq:	450.000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.030 dB
Adjusted SAR (1W):	4.40 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 450 MHz; σ = 0.89 S/m; ϵ_r = 42; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3096, , Frequency: 450 MHz, ConvF(6.61, 6.61, 6.61); Calibrated: 11/12/2014
Electronics: DAE4 Sn1294, Calibrated: 11/3/2014

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (41x181x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 39.18 V/m; Power Drift = -0.03 dB
Fast SAR: SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.782 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.31 W/kg

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x19x1):

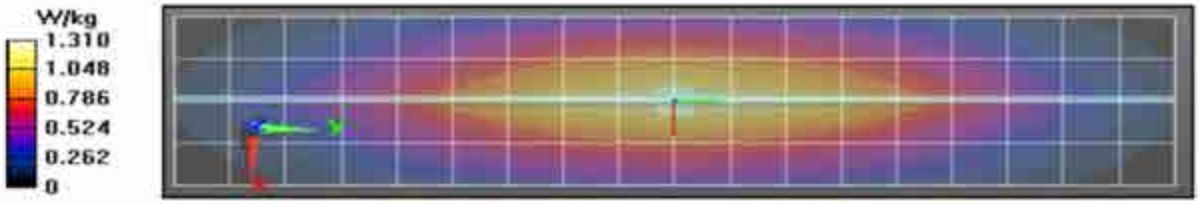
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.31 W/kg

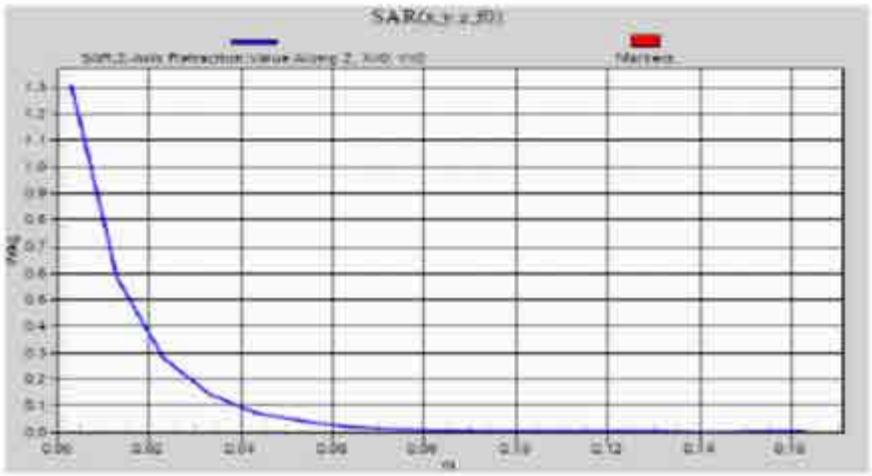
Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 39.18 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.72 W/kg
SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.724 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.32 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: 5/21/2015 8:48:06 PM

Robot#: DASY5-PG-1 | Run#:	MO-SYSP-2450B-150521-11
Dipole Model#	D2450V2
Phantom#:	ELI4 1050
Tissue Temp:	20.9 (C)
Serial#:	782
Test Freq:	2450.000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.074 dB
Adjusted SAR (1W):	46.80 mW/g (1g)

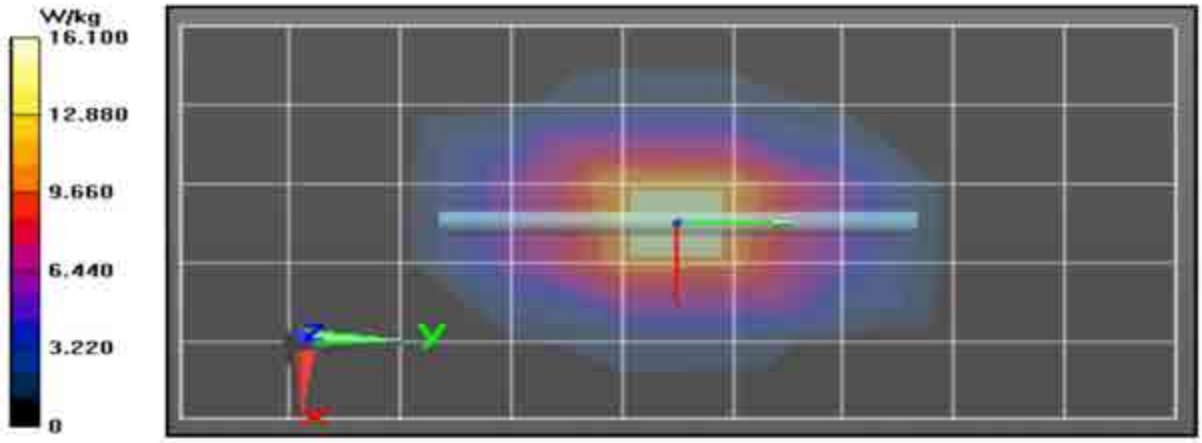
Comments:

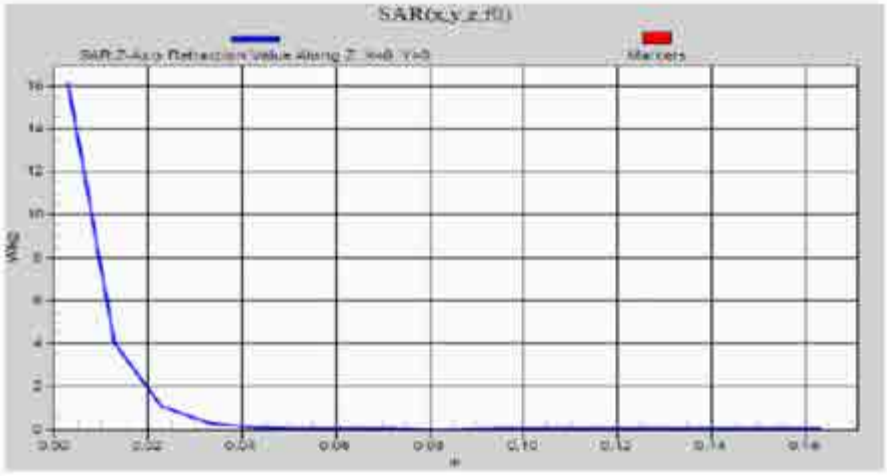
Duty Cycle: 1:1, Medium parameters used: f = 2450 MHz; σ = 1.99 S/m; ε_r = 47.8; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3096, , Frequency: 2450 MHz, ConvF(4.38, 4.38, 4.38); Calibrated: 11/12/2014
Electronics: DAE4 Sn1294, Calibrated: 11/3/2014

2-3 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (51x91x1): Interpolated
grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 93.97 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 12.4 W/kg; SAR(10 g) = 5.66 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 18.0 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 = 93.97 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 25.4 W/kg
SAR(1 g) = 11.7 W/kg; SAR(10 g) = 5.45 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 16.2 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) = 16.1 W/kg





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Date/Time: 5/23/2015 3:35:40 PM

Robot#: DASY5-PG-1 | Run#:	TLC-SYSP-2450B-150523-01
Dipole Model#	D2450V2
Phantom#:	ELI4 1050
Tissue Temp:	21.2 (C)
Serial#:	782
Test Freq:	2450.000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.072 dB
Adjusted SAR (1W):	46.40mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 2450 MHz; σ = 2.01 S/m; ε_r = 47.7; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3096, , Frequency: 2450 MHz, ConvF(4.38, 4.38, 4.38); Calibrated: 11/12/2014
Electronics: DAE4 Sn1294, Calibrated: 11/3/2014

2-3 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (51x91x1): Interpolated

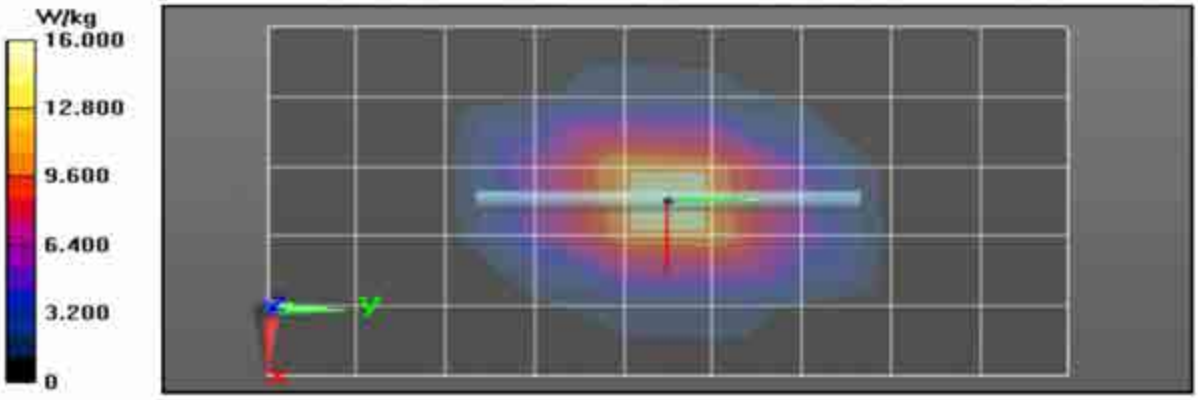
grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 92.04 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 12.3 W/kg; SAR(10 g) = 5.65 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 17.9 W/kg

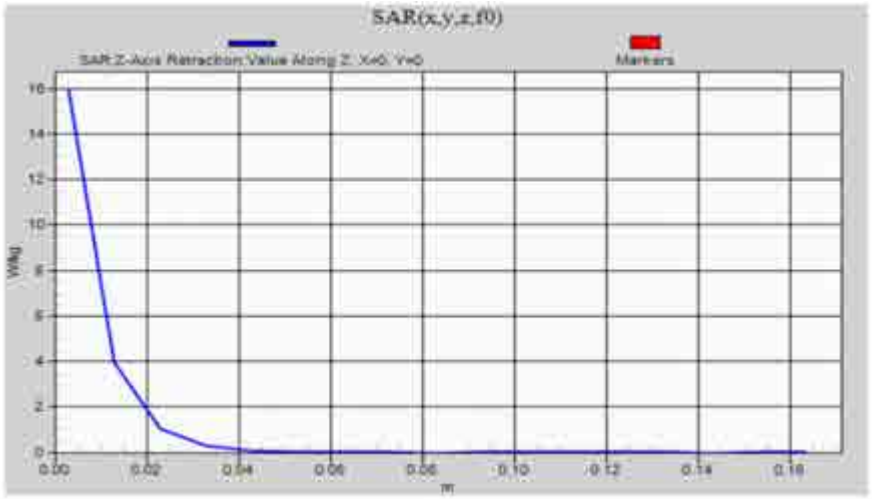
2-3 GHz-Rev.2/System Performance Check/0-Degree Cube (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 92.04 V/m, Power Drift = -0.02 dB
Peak SAR (extrapolated) = 25.3 W/kg
SAR(1 g) = 11.6 W/kg; SAR(10 g) = 5.42 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 16.0 W/kg

2-3 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: 5/24/2015 5:04:53 PM

Robot#: DASY5-PG-1 | Run#:	TLC-SYSP-2450H-150524-04
Dipole Model#	D2450V2
Phantom#:	ELI4 1050
Tissue Temp	21.2 (C)
Serial#:	782
Test Freq:	2450.000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.065dB
Adjusted SAR (1W):	49.60mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 2450 MHz; σ = 1.88 S/m; ε_r = 36; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3096, , Frequency: 2450 MHz, ConvF(4.48, 4.48, 4.48); Calibrated: 11/12/2014
Electronics: DAE4 Sn1294, Calibrated: 11/3/2014

2-3 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (51x91x1): Interpolated

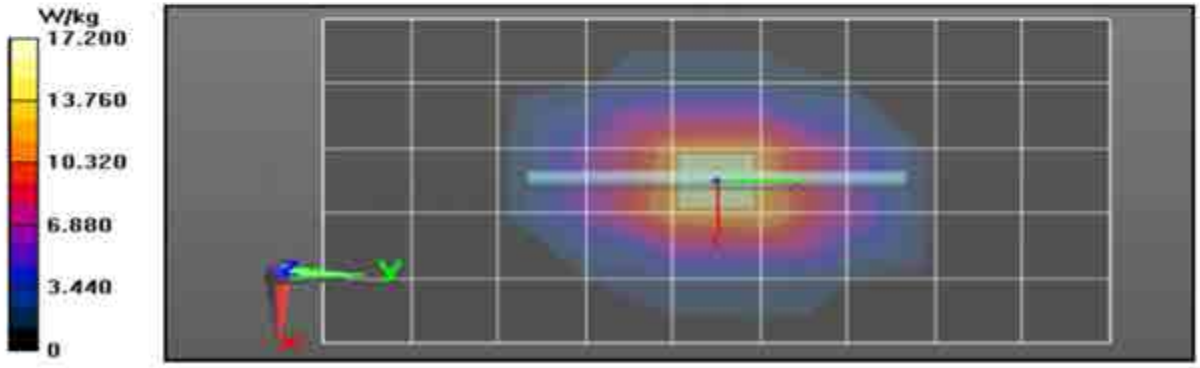
grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 100.9 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 13 W/kg; SAR(10 g) = 6.12 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 18.6 W/kg

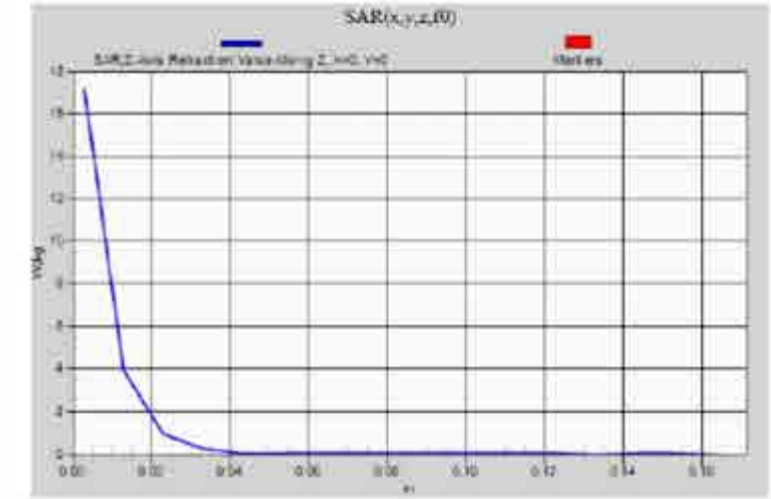
2-3 GHz-Rev.2/System Performance Check/0-Degree Cube (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 100.9 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 26.6 W/kg
SAR(1 g) = 12.4 W/kg; SAR(10 g) = 5.76 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 17.1 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) = 17.2 W/kg





Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/27/2015 6:17:06 PM

Robot#: DASY5-PG-1 | Run#:	AZ-SYSP-2450H-150527-05
Dipole Model#	D2450V2
Phantom#:	ELI4 1050
Tissue Temp:	21.4 (C)
Serial#:	782
Test Freq:	2450.000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.054 dB
Adjusted SAR (1W):	48.00 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 2450 MHz; σ = 1.85 S/m; e_r = 35.7; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3096, , Frequency: 2450 MHz, ConvF(4.48, 4.48, 4.48); Calibrated: 11/12/2014
Electronics: DAE4 Sn1294, Calibrated: 11/3/2014

2-3 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (51x91x1): Interpolated

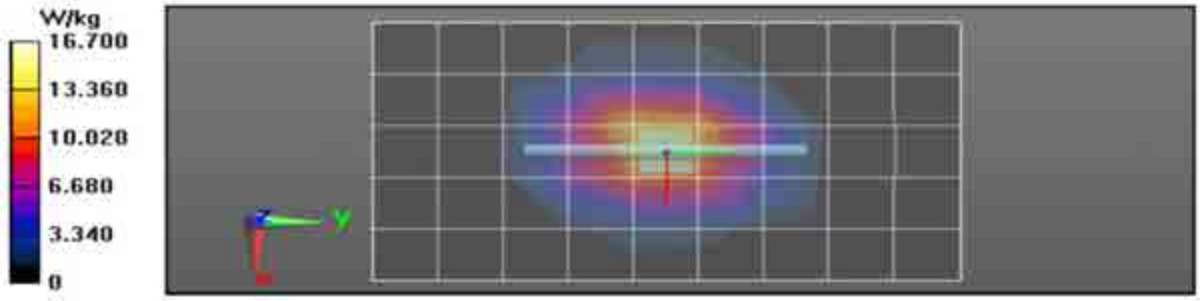
grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 100.1 V/m; Power Drift = 0.01 dB
Fast SAR: SAR(1 g) = 12.6 W/kg; SAR(10 g) = 5.9 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 17.9 W/kg

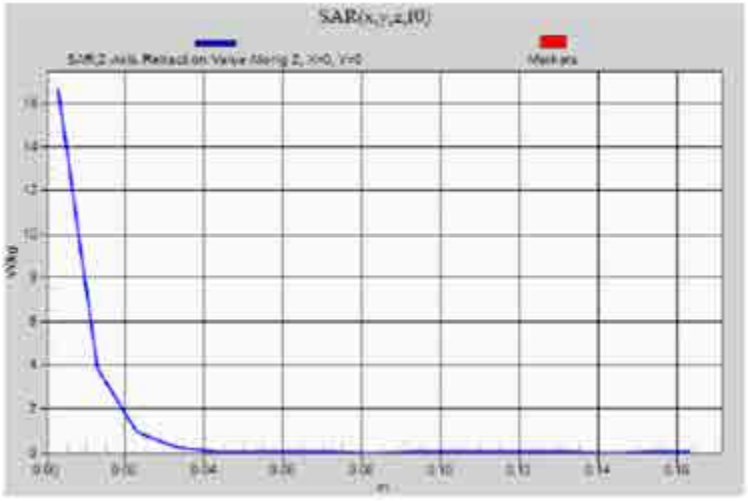
2-3 GHz-Rev.2/System Performance Check/0-Degree Cube (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 100.1 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 25.6 W/kg
SAR(1 g) = 12 W/kg; SAR(10 g) = 5.55 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 16.6 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) = 16.7 W/kg





Appendix E
DUT Scans

Assessments at the Body with body worn PMLN7040A- Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 6/12/2015 11:20:51 AM

Robot#: DASY5-PG-1 | Run#: FIE-AB-150612-05
Model#: PMUE3877D
Phantom#: ELI4 1028
Tissue Temp: 19.8 (C)
Serial#: 682TRH1977
Antenna: PMAE4076B (420-445)
Test Freq: 420.0000 (MHz)
Battery: PMNN4468A
Carry Acc: PMLN7040A
Audio Acc: PMLN5958B
Start Power: 3.46 (W)

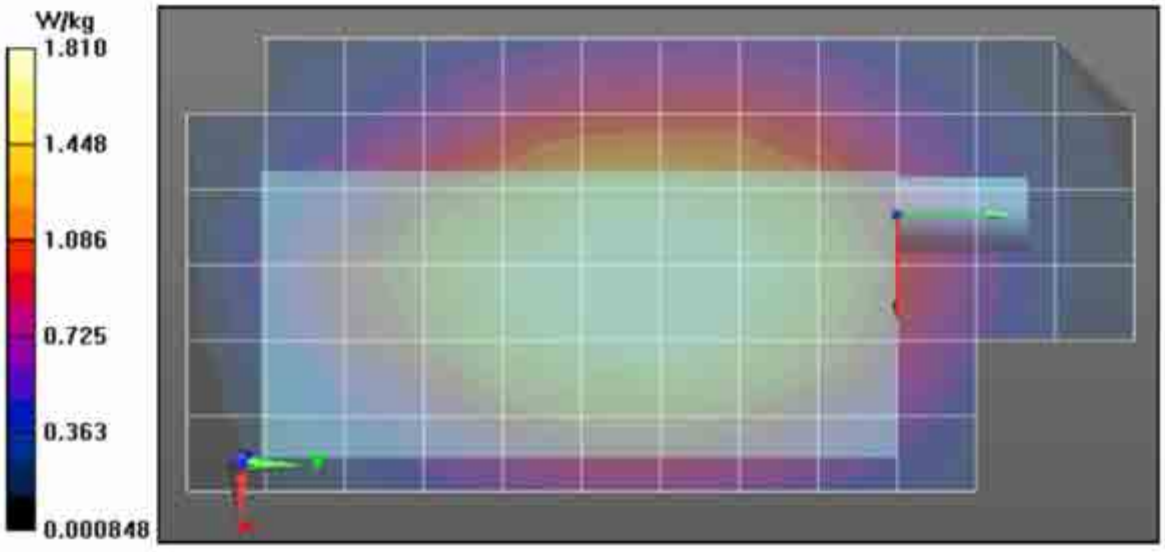
Comments:

Duty Cycle: 1:1.99986, Medium parameters used: f = 420 MHz; σ = 0.91 S/m; ε_r = 56; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3096, , Frequency: 420 MHz, ConvF(6.73, 6.73, 6.73); Calibrated: 11/12/2014
Electronics: DAE4 Sn1294, Calibrated: 11/3/2014

Below 2 GHz-Rev.2/AB scan/1-Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 41.69 V/m; Power Drift = -0.21 dB
Fast SAR: SAR(1 g) = 1.79 W/kg; SAR(10 g) = 1.29 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.97 W/kg

Below 2 GHz-Rev.2/AB scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 41.69 V/m; Power Drift = -0.27 dB
Peak SAR (extrapolated) = 2.44 W/kg
SAR(1 g) = 1.68 W/kg; SAR(10 g) = 1.24 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.84 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) = 1.81 W/kg



Assessments at the Body with body worn PMLN5956B w/ DUT face in - Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 6/12/2015 4:33:11 PM

Robot#: DASY5-PG-1 | Run#:	MO-AB-150612-09
Model#:	PMUE3877D
Phantom#:	ELI4 1028
Tissue Temp:	19.8 (C)
Serial#:	682TRH1977
Antenna:	PMAE4076B (420-445)
Test Freq:	420.000 (MHz)
Battery:	PMNN4468A
Carry Acc:	PMLN5956B w/ DUT face in
Audio Acc:	PMLN5958B
Start Power:	3.42 (W)

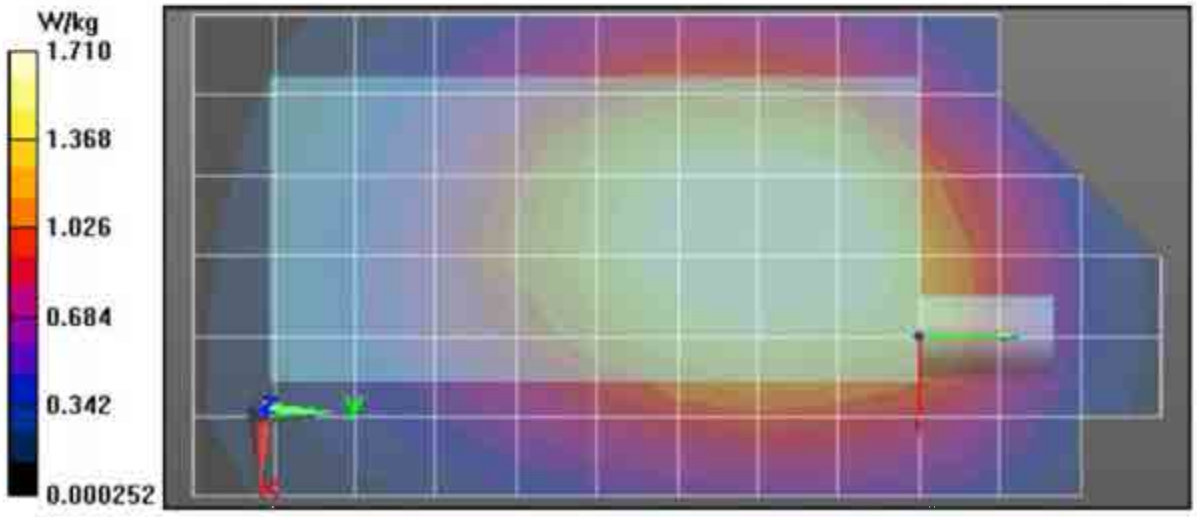
Comments:

Duty Cycle: 1:1.99986, Medium parameters used: f = 420 MHz; σ = 0.91 S/m; ε_r = 56; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3096, , Frequency: 420 MHz, ConvF(6.73, 6.73, 6.73); Calibrated: 11/12/2014
Electronics: DAE4 Sn1294, Calibrated: 11/3/2014

Below 2 GHz-Rev.2/AB scan/1-Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 41.01 V/m; Power Drift = -0.19 dB
Fast SAR: SAR(1 g) = 1.7 W/kg; SAR(10 g) = 1.24 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.86 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 = 41.01 V/m; Power Drift = -0.32 dB
Peak SAR (extrapolated) = 2.37 W/kg
SAR(1 g) = 1.64 W/kg; SAR(10 g) = 1.19 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.82 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) = 1.71 W/kg



Assessment at the Body with body worn PMLN5956B w/ DUT face out – Table 20

Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/12/2015 5:44:26 PM

Robot#: DASY5-PG-1 | Run#:	MO-AB-150612-11
Model#:	PMUE3877D
Phantom#:	ELI4 1028
Tissue Temp:	19.9 (C)
Serial#:	682TRH1977
Antenna:	PMAE4076B (420-445)
Test Freq:	420.000 (MHz)
Battery:	HKNN4013A
Carry Acc:	PMLN5956B w/ DUT face out
Audio Acc:	PMLN5958B
Start Power:	3.42 (W)

Comments:

Duty Cycle: 1:1.99986, Medium parameters used: f = 420 MHz; σ = 0.91 S/m; ε_r = 56; ρ = 1000 kg/m^3

Probe: ES3DV3 - SN3096, , Frequency: 420 MHz, ConvF(6.73, 6.73, 6.73), Calibrated: 11/12/2014

Electronics: DAE4 Sn1294, Calibrated: 11/3/2014

Below 2 GHz-Rev.2/AB scan/1-Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 47.33 V/m; Power Drift = -0.19 dB

Fast SAR: SAR(1 g) = 1.96 W/kg; SAR(10 g) = 1.44 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.15 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

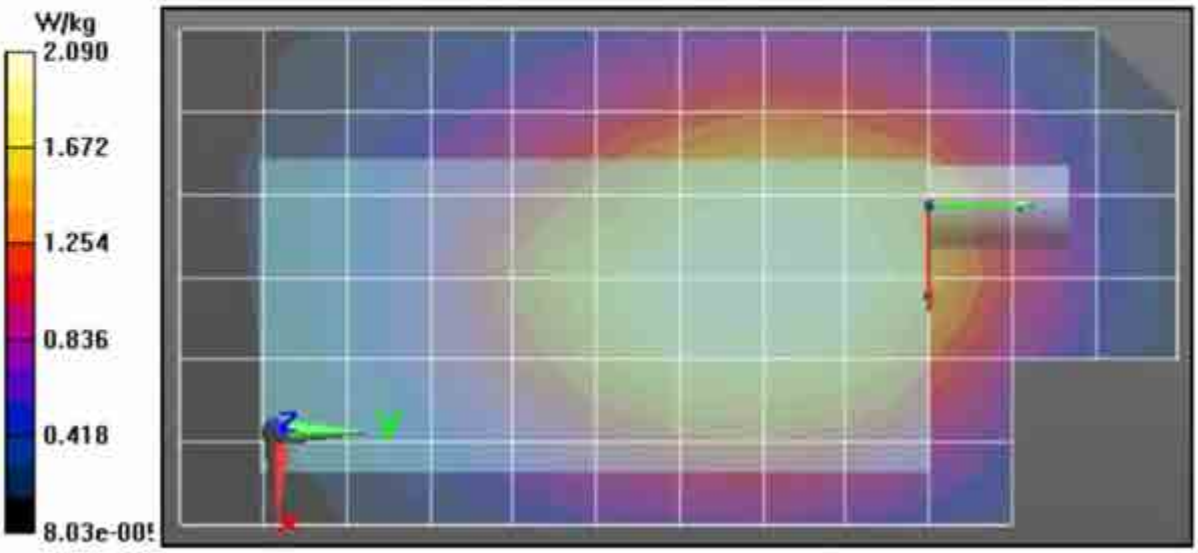
Reference Value = 47.33 V/m; Power Drift = -0.40 dB

Peak SAR (extrapolated) = 2.82 W/kg

SAR(1 g) = 1.9 W/kg; SAR(10 g) = 1.39 W/kg (SAR corrected for target medium)

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) = 2.09 W/kg



Assessment of wireless BT configuration – Table 21

Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/12/2015 7:37:43 PM

Robot#: DASY5-PG-1 | Run#: MO-AB-150612-13
Model#: PMUE3877D
Phantom#: ELI4 1028
Tissue Temp: 20.1 (C)
Serial#: 682TRH1977
Antenna: PMAE4076B (420-445)
Test Freq: 420.000 (MHz)
Battery: HKNN4013A
Carry Acc: PMLN5956B w/ DUT face out
Audio Acc: NONE
Start Power: 3.49 (W)

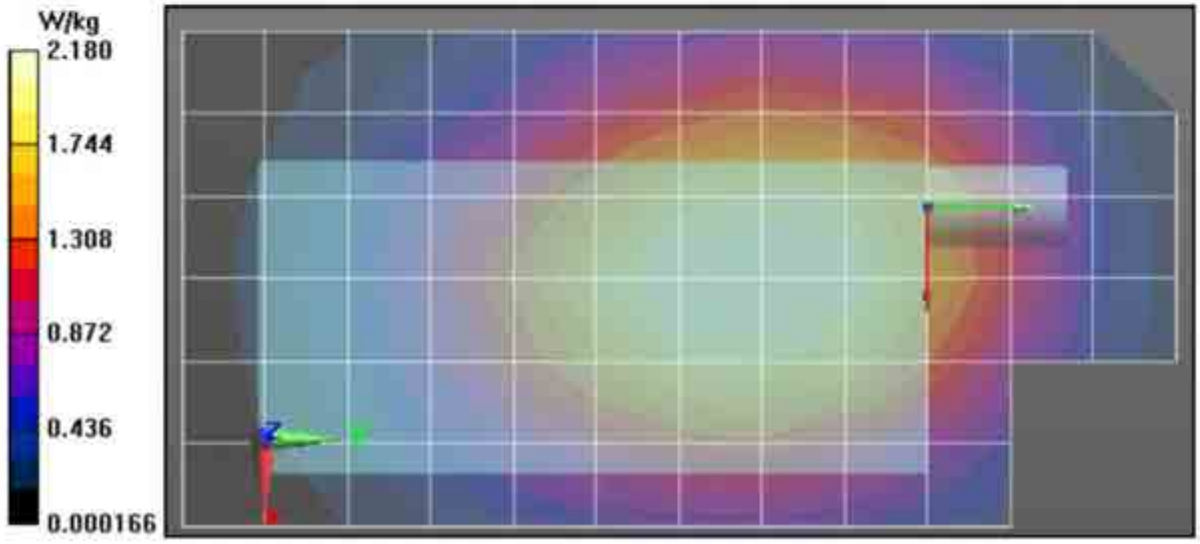
Comments:

Duty Cycle: 1:1.99986, Medium parameters used: f = 420 MHz, σ = 0.91 S/m; ε_r = 56; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3096, , Frequency: 420 MHz, ConvF(6.73, 6.73, 6.73); Calibrated: 11/12/2014
Electronics: DAE4 Sn1294, Calibrated: 11/3/2014

Below 2 GHz-Rev.2/AB scan/1-Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 48.98 V/m; Power Drift = -0.18 dB
Fast SAR: SAR(1 g) = 2.08 W/kg; SAR(10 g) = 1.51 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.28 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 = 48.98 V/m; Power Drift = -0.34 dB
Peak SAR (extrapolated) = 2.89 W/kg
SAR(1 g) = 2 W/kg; SAR(10 g) = 1.47 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.20 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) = 2.18 W/kg



Assessments of WLAN at the Body with all offered body worn - Table 23

Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/22/2015 10:48:40 AM

Robot#: DASY5-PG-1 | Run#:	TLC-AB-150522-05
Model#:	PMUE3877D
Phantom#:	ELI4 1050
Tissue Temp:	21.0 (C)
Serial#:	682TRH1862
Antenna:	PMLE5083A Wifi Ant
Test Freq:	2412.000 (MHz)
Battery:	PMNN4468B
Carry Acc:	PMLN5956B w/DUT face in
Audio Acc:	None
Start Power:	0.0477 (W)

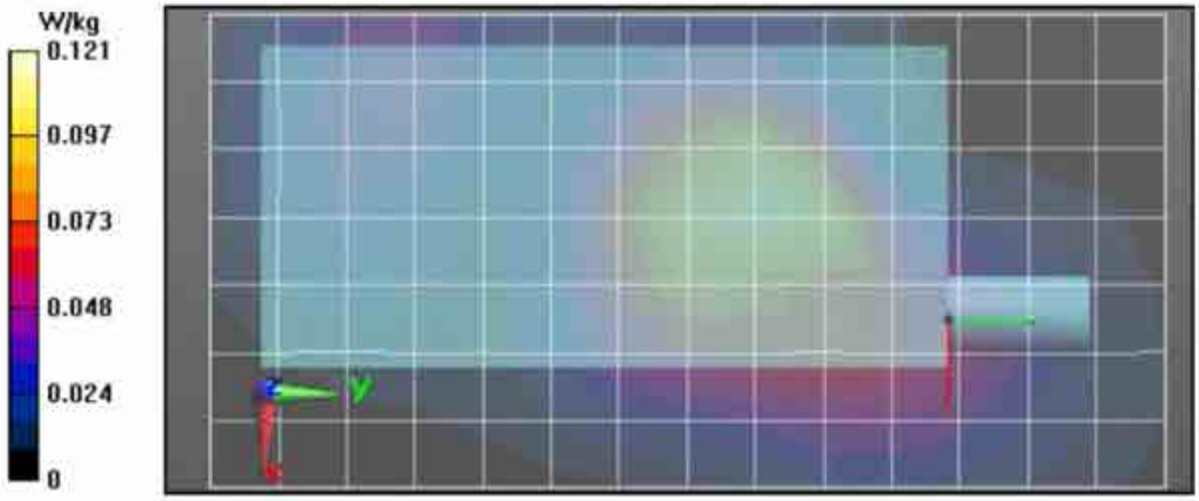
Comments:

Duty Cycle: 1:1.53815, Medium parameters used: f = 2412 MHz; σ = 1.93 S/m; ε_r = 47.8; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3096, , Frequency: 2412 MHz, ConvF(4.38, 4.38, 4.38); Calibrated: 11/12/2014
Electronics: DAE4 Sn1294, Calibrated: 11/3/2014

2-3 GHz-Rev.2/Ab scan/1-Area Scan (71x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 6.300 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 0.095 W/kg; SAR(10 g) = 0.053 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.117 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 = 6.300 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.186 W/kg
SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.056 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.125 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) = 0.121 W/kg



Assessments of LMR at the Face - Table 25

Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/13/2015 4:38:28 PM

Robot#: DASY5-PG-1 | Run#:	MO-FACE-150613-06
Model#:	PMUE3877D
Phantom#:	ELI4 1037
Tissue Temp:	20.4 (C)
Serial#:	682TRH1977
Antenna:	PMAE4076B (420-445)
Test Freq:	420.000 (MHz)
Battery:	HKNN4013A
Carry Acc:	NONE
Audio Acc:	NONE
Start Power:	3.48 (W)

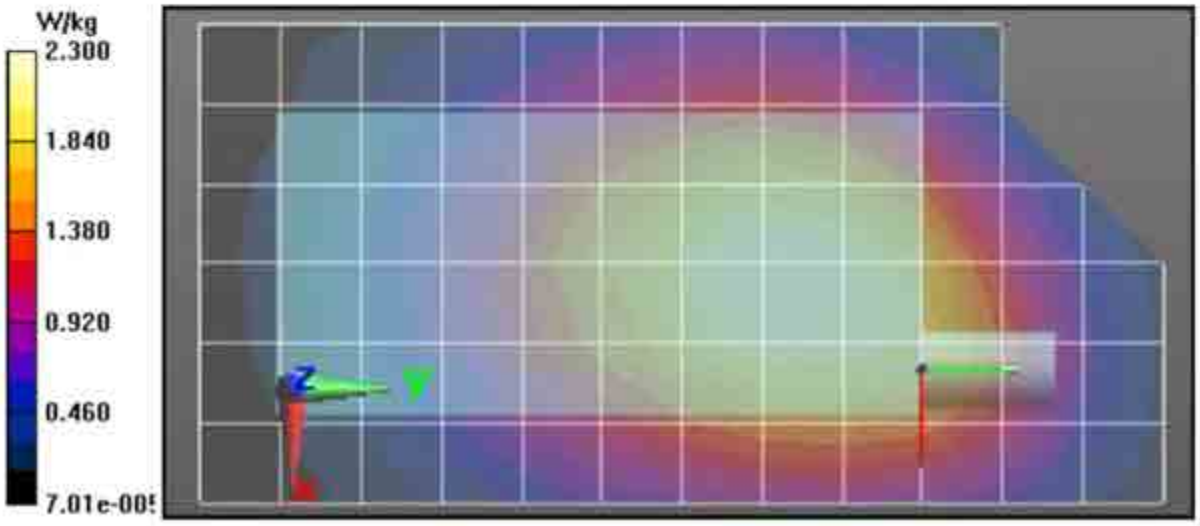
Comments:

Duty Cycle: 1:1.99986, Medium parameters used: f = 420 MHz; σ = 0.87 S/m; ε_r = 42.4; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3096, , Frequency: 420 MHz, ConvF(6.61, 6.61, 6.61); Calibrated: 11/12/2014
Electronics: DAE4 Sn1294, Calibrated: 11/3/2014

Below 2 GHz-Rev.2/Face scan/1-Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 49.29 V/m; Power Drift = -0.23 dB
Fast SAR: SAR(1 g) = 2.12 W/kg; SAR(10 g) = 1.54 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.38 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 = 49.29 V/m; Power Drift = -0.35 dB
Peak SAR (extrapolated) = 2.79 W/kg
SAR(1 g) = 2.02 W/kg; SAR(10 g) = 1.45 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.30 W/kg

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



Assessments of WLAN at the Face - Table 27

Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/24/2015 7:04:38 PM

Robot#: DASY5-PG-1 | Run#:	TLC-FACE-150524-05
Model#:	PMUE3877D
Phantom#:	ELI4 1050
Tissue Temp:	21.0 (C)
Serial#:	682TRH1862
Antenna:	PMLE5083A Wifi Ant
Test Freq:	2412.000 (MHz)
Battery:	HKLN4013A
Carry Acc:	None
Audio Acc:	None
Start Power:	0.0456 (W)

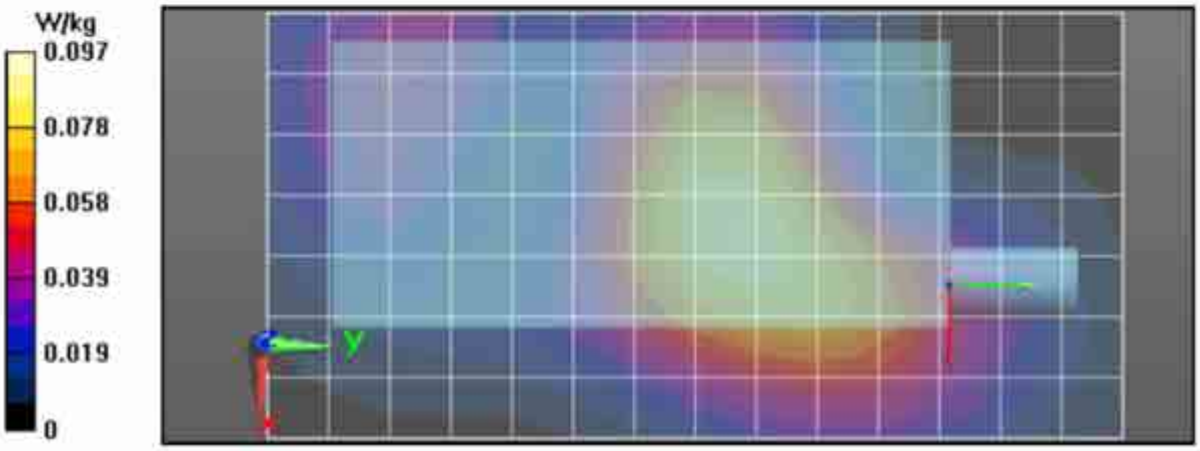
Comments:

Duty Cycle: 1:1.53815, Medium parameters used: f = 2412 MHz; σ = 1.84 S/m; ε_r = 36.2; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3096, , Frequency: 2412 MHz, ConvF(4.48, 4.48, 4.48); Calibrated: 11/12/2014
Electronics: DAE4 Sn1294, Calibrated: 11/3/2014

2-3 GHz-Rev.2/Face scan/1-Area Scan (71x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 7.045 V/m; Power Drift = 0.08 dB
Fast SAR: SAR(1 g) = 0.079 W/kg; SAR(10 g) = 0.046 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.0958 W/kg

2-3 GHz-Rev.2/Face scan/3-Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.045 V/m; Power Drift = 0.26 dB
Peak SAR (extrapolated) = 0.141 W/kg
SAR(1 g) = 0.080 W/kg; SAR(10 g) = 0.045 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.0975 W/kg

2-3 GHz-Rev.2/Face scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.0969 W/kg



Assessments of Outside Part 90 at the Body- Table 28

Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/12/2015 8:34:11 PM

Robot#: DASY5-PG-1 | Run#:	MO-AB-150612-14
Model#	PMUE3877D
Phantom#:	ELI4 1028
Tissue Temp:	19.9 (C)
Serial#:	682TRH1862
Antenna:	PMAE4078B (403-425)
Test Freq:	403.000 (MHz)
Battery:	HKNN4013A
Carry Acc:	PMLN5956B w/ DUT face out
Audio Acc:	NONE
Start Power:	3.42 (W)

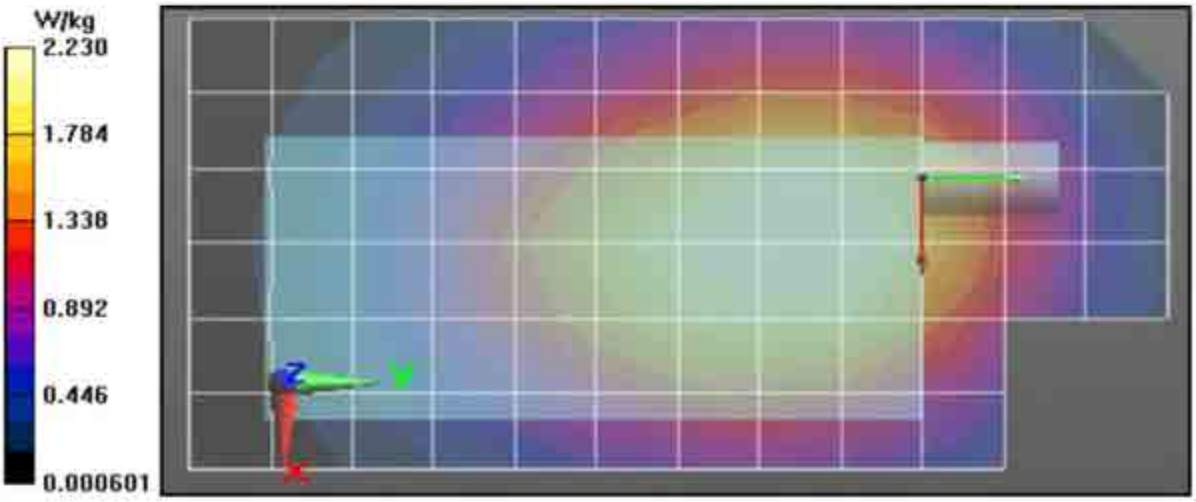
Comments:

Duty Cycle: 1:1.99986, Medium parameters used: f = 403 MHz; σ = 0.9 S/m; ε_r = 56.3; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3096, , Frequency: 403 MHz, ConvF(6.73, 6.73, 6.73); Calibrated: 11/12/2014
Electronics: DAE4 Sn1294, Calibrated: 11/3/2014

Below 2 GHz-Rev.2/AB scan/1-Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 49.95 V/m; Power Drift = -0.29 dB
Fast SAR: SAR(1 g) = 2.19 W/kg; SAR(10 g) = 1.59 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.37 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 = 49.95 V/m; Power Drift = -0.40 dB
Peak SAR (extrapolated) = 2.95 W/kg
SAR(1 g) = 2.1 W/kg; SAR(10 g) = 1.54 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.29 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) = 2.23 W/kg



Assessments of Outside Part 90 at the Face- Table 28

Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/14/2015 1:21:59 PM

Robot#: DASY5-PG-1 | Run#:	AZ-FACE-150614-02
Model#:	PMUE3877D
Phantom#:	ELI4 1037
Tissue Temp:	20.9 (C)
Serial#:	682TRH1862
Antenna:	PMAE4078B (403-425)
Test Freq:	403.000 (MHz)
Battery:	HKNN4013A
Carry Acc:	NONE
Audio Acc:	NONE
Start Power:	3.50 (W)

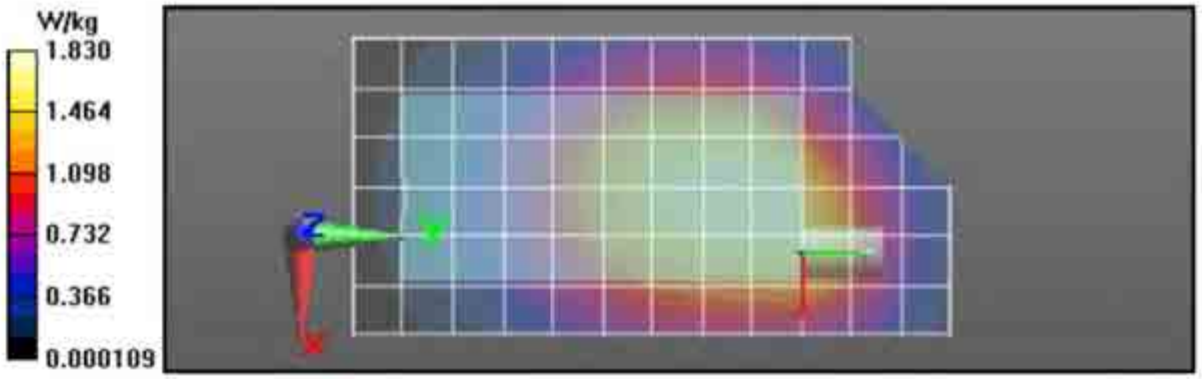
Comments:

Duty Cycle: 1:1.99986, Medium parameters used: f = 403 MHz; σ = 0.86 S/m; ε_r = 43.3; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3096, , Frequency: 403 MHz, ConvF(6.61, 6.61, 6.61); Calibrated: 11/12/2014
Electronics: DAE4 Sn1294, Calibrated: 11/3/2014

Below 2 GHz-Rev.2/Face scan/1-Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 42.68 V/m; Power Drift = 0.01 dB
Fast SAR: SAR(1 g) = 1.67 W/kg; SAR(10 g) = 1.21 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.85 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 = 42.68 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.33 W/kg
SAR(1 g) = 1.64 W/kg; SAR(10 g) = 1.18 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.85 W/kg

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



APPENDIX F
Shortened Scan of Highest SAR configuration

Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/15/2015 9:10:25 PM

Robot#: DASY5-PG-1 | Run#:	MO-FACE-150615-10
Model#:	PMUE3877D
Phantom#:	ELI4 1037
Tissue Temp:	20.8 (C)
Serial#:	682TRH1977
Antenna:	PMAE4076B (420-445)
Test Freq:	420.000 (MHz)
Battery:	HKNN4013A
Carry Acc:	NONE
Audio Acc:	NONE
Start Power:	3.52 (W)

Comments:

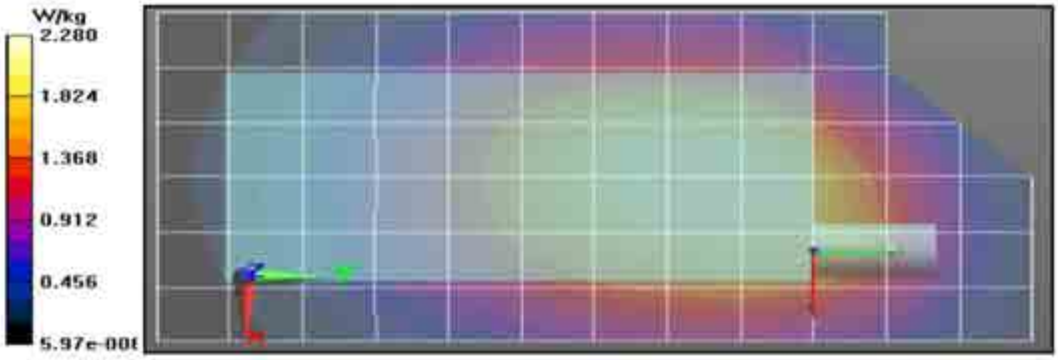
Duty Cycle: 1:1.99986, Medium parameters used: f = 420 MHz; σ = 0.87 S/m; ϵ_r = 42.6; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3096, , Frequency: 420 MHz, ConvF(6.61, 6.61, 6.61); Calibrated: 11/12/2014
Electronics: DAE4 Sn1294, Calibrated: 11/3/2014

Below 2 GHz-Rev.2/Face scan/1-Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 48.70 V/m; Power Drift = -0.28 dB
Fast SAR: SAR(1 g) = 2.14 W/kg; SAR(10 g) = 1.55 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.40 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 = 48.70 V/m; Power Drift = -0.34 dB
Fast SAR: SAR(1 g) = 2.09 W/kg; SAR(10 g) = 1.53 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.34 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 = 54.09 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 2.90 W/kg
SAR(1 g) = 2.13 W/kg; SAR(10 g) = 1.53 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.42 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) = 2.28 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)	29	7	1.13	0.81
Full scan (area & zoom)	25	18	1.13	0.81

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