MOTOROLA SOLUTIONS

ACCREDITED
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, S.W.D.
11900 Bayan Lepas, Penang, Malaysia.

Date of Report: 05/14/2014
Report Revision: B
Report ID: SR12079 & SR12020 _ PMMN4095A Rev B 140514

Responsible Engineer:	Tan CheeChin (EME Section Manager)
Report Author:	Tan CheeChin (EME Section Manager) & Veeramani (Sr.EME Engineer)
Date/s Tested:	01/24/14-02/05/14
Manufacturer/Location:	Motorola Solutions, Inc, Penang
Sector/Group/Div.:	EMS
Date submitted for test:	01/08/14
DUT Description:	Mission Critical Wireless Remote Speaker Microphone
Test TX mode(s):	CW (Bluetooth)
Max. Power output:	100mW (Bluetooth)
Nominal Power:	63.0mW (Bluetooth)
Tx Frequency Bands:	2.402GHz - 2.48GHz Bluetooth
Signaling type:	FHSS (Bluetooth)
Model(s) Tested:	PMMN4095A
Model(s) Certified:	PMMN4095A
Serial Number(s):	1
Classification:	Occupational/Controlled
FCC ID:	AZ489FT6009; Rule Part 15 (2402-2480MHz)
IC:	109U-89FT6009

The test results clearly demonstrate compliance with FCC Occupational/Controlled RF Exposure limits of 8 W/kg averaged over 1 gram per the requirements of 47 CFR 2.1093(d). The 10 grams result is not applicable to FCC filing. The test results clearly demonstrate compliance with ICNIRP (1998) Guidelines for limiting exposure in time-varying electric, magnetic, and electromagnetic fields (up to 300 GHz), Health Physics 74, 494-522 RF Exposure limits of 10 W/kg averaged over 10grams of contiguous tissue.

Based on the information and the testing results provided herein, the undersigned certifies that when used as stated in the operating instructions supplied, said product complies with the national and international reference standards and guidelines listed in section 3.0 of this report. This report shall not be reproduced without written approval from an officially designated representative of the Motorola Solutions Inc EME Laboratory.
I attest to the accuracy of the data and assume full responsibility for the completeness of these measurements. This reporting format is consistent with the suggested guidelines of the TIA TSB-150 December 2004. The results and statements contained in this report pertain only to the device(s) evaluated.

Deanna Zakharia edc015@motorolasolutions.com Digitally signed by edc015@motorolasolutions.com DN: Cn=edc015@motorolasolutions.com Date: 2014.05.14 14:06:34 -04'00'

Deanna Zakharia
EMS EME Lab Senior Resource Manager,
Laboratory Director
Approval Date: 5/14/2014

Certification Date: 5/6/2014

Certification No.: L1140421P

Appendix D
System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/24/2014 9:38:18 AM

Robot#: DASY5-PG-1 | Run#: CcC-SYSP-2450B-140124-02
Dipole Model# D2450V2
Phantom#: ELI4 1103
Tissue Temp: 21.6 (C)
Serial#: 781
Test Freq: 2450 (MHz)
Start Power: 250 (mW)
Rotation (1D): 0.031 dB
Adjusted SAR (1W): 52.80 mW/g (1g)

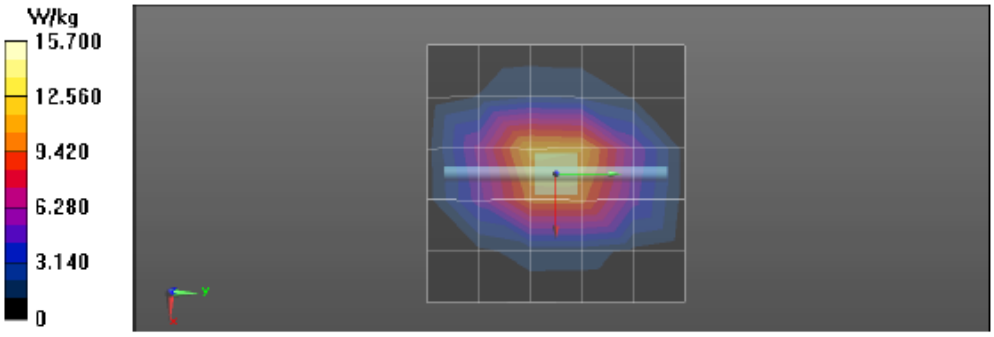
Comments:

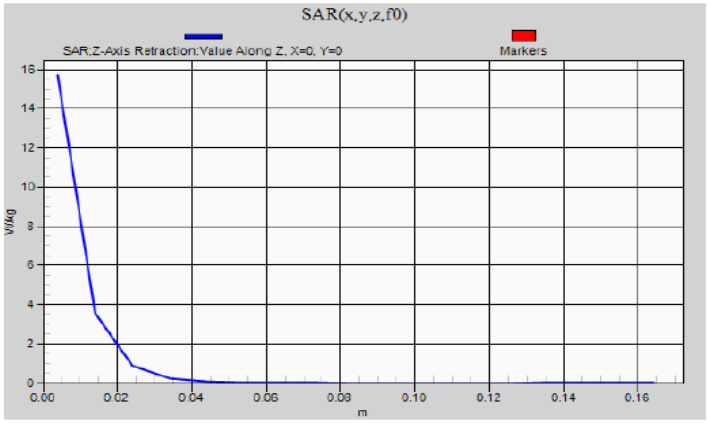
Duty Cycle: 1:1, Medium parameters used: f = 2450 MHz; σ = 2.04 S/m; ε_r = 47.7; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3196, , Frequency: 2450 MHz, ConvF(4.3, 4.3, 4.3); Calibrated: 3/13/2013
Electronics: DAE4 Sn684, Calibrated: 10/15/2013

2-3 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (6x6x1): Measurement
grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 12.0 W/kg

2-3 GHz-Rev.1/System Performance Check/0-Degree Cube (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 88.429 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 31.2 W/kg
SAR(1 g) = 13.2 W/kg; SAR(10 g) = 6.03 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 15.7 W/kg

2-3 GHz-Rev.1/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
grid: dx=20mm, dy=20mm, dz=10mm





Motorola Solutions, Inc. EME Laboratory

Date/Time: 2/5/2014 11:01:49 AM

Robot#: DASY5-PG-1 | Run#: Lee-SYSP-2450H-140205-01
Dipole Model# D2450V2
Phantom#: ELI4 1037
Tissue Temp: 21.1 (C)
Serial#: 781
Test Freq: 2450 (MHz)
Start Power: 250 (mW)
Rotation (1D): 0.033 dB
Adjusted SAR (1W): 51.20 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 2450 MHz; σ = 1.87 S/m; ε_r = 35.4; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3196, , Frequency: 2450 MHz, ConvF(4.44, 4.44, 4.44); Calibrated: 3/13/2013
Electronics: DAE4 Sn684, Calibrated: 10/15/2013

2-3 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (51x51x1): Interpolated

grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 91.206 V/m; Power Drift = 0.04 dB
Fast SAR: SAR(1 g) = 13 W/kg; SAR(10 g) = 6.11 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 17.1 W/kg

2-3 GHz-Rev.1/System Performance Check/Dipole Area Scan 2 (6x6x1): Measurement

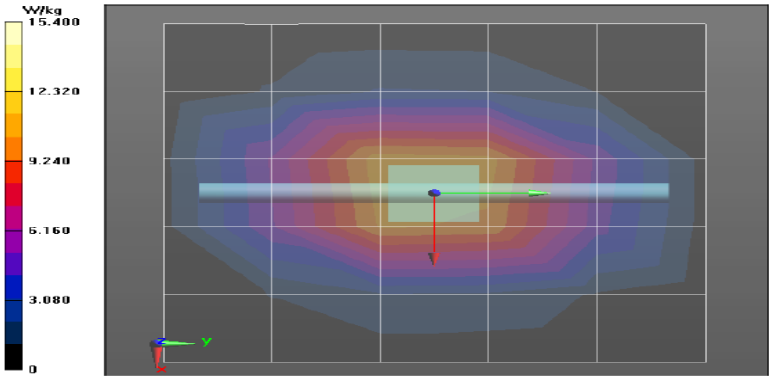
grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 11.0 W/kg

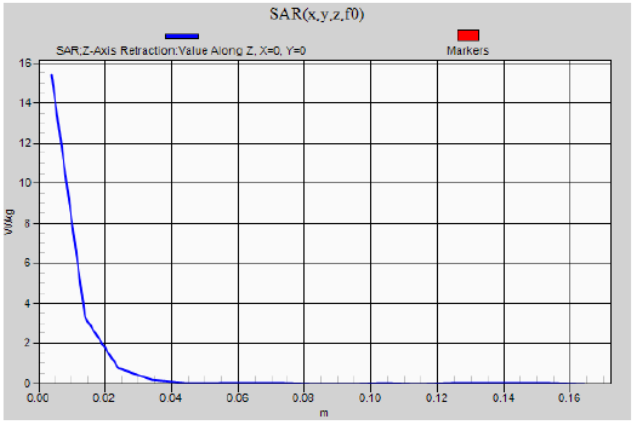
2-3 GHz-Rev.1/System Performance Check/0-Degree Cube (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 91.206 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 29.9 W/kg
SAR(1 g) = 12.8 W/kg; SAR(10 g) = 5.8 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 15.0 W/kg

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

grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 15.4 W/kg





Appendix E
DUT Scans

Assessments at the Body with Body worn accessories
Table 17

Motorola Solutions, Inc. EME Laboratory
Date/Time: 1/24/2014 11:54:30 AM

Robot#: DASY5-PG-1 | Run#: CcC-AB-140124-05
Model#: PMMN4095A
Phantom#: ELI4 1103
Tissue Temp: 21.2 (C)
Serial#: 1
Antenna: BT internal antenna
Test Freq: 2441.0000 (MHz)
Battery: PMNN4461A
Carry Acc: 4205823V01
Audio Acc: NONE
Start Power: 0.1 (W)

Comments: Full Scan

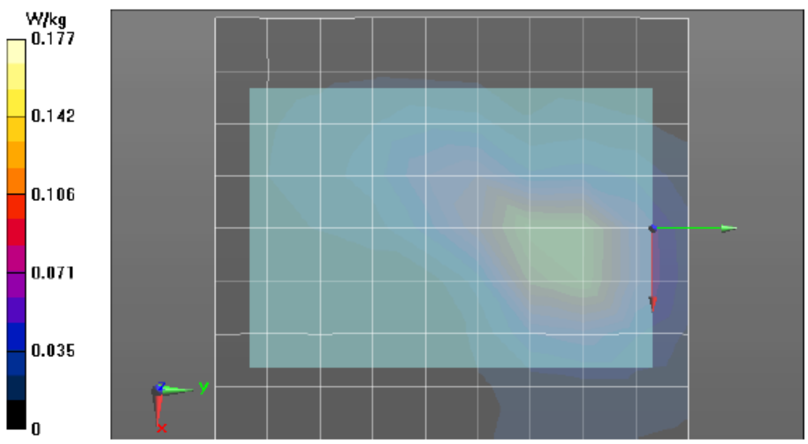
Duty Cycle: 1:1, Medium parameters used: f = 2441 MHz; σ = 2.02 S/m; ε_r = 47.7; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3196, , Frequency: 2441 MHz, ConvF(4.3, 4.3, 4.3); Calibrated: 3/13/2013
Electronics: DAE4 Sn684, Calibrated: 10/15/2013

2-3 GHz-Rev.1/Ab Scan/1-Area Scan (81x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 8.797 V/m; Power Drift = -0.07 dB
Fast SAR: SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.073 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.174 W/kg

2-3 GHz-Rev.1/Ab Scan/2-Volume 2D Scan (61x61x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm, dz=1.000 mm
Reference Value = 8.797 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000 W/kg
Fast SAR: SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.072 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.180 W/kg

2-3 GHz-Rev.1/Ab Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.797 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.341 W/kg
SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.072 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.177 W/kg

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



Assessments at the Face
Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 2/5/2014 1:04:21 PM

Robot#: DASY5-PG-1 | Run#:	Lee-FACE-140205-02
Model#:	PMMN4095A
Phantom#:	ELI4 1037
Tissue Temp:	21.0 (C)
Serial#:	1
Antenna:	BT internal antenna
Test Freq:	2441.0000 (MHz)
Battery:	PMNN4461A
Carry Acc:	NONE
Audio Acc:	NONE
Start Power:	0.1 (W)

Comments: Full Scan

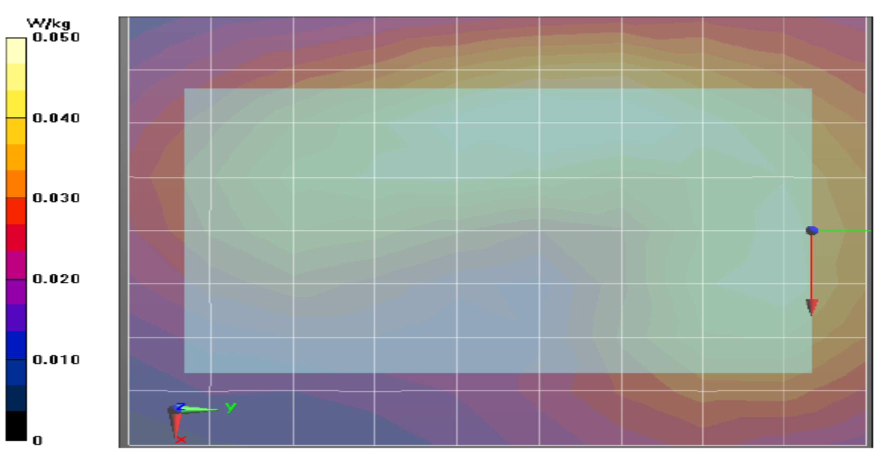
Duty Cycle: 1:1, Medium parameters used: f = 2441 MHz; σ = 1.86 S/m; ε_r = 35.4; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3196, , Frequency: 2441 MHz, ConvF(4.44, 4.44, 4.44); Calibrated: 3/13/2013
Electronics: DAE4 Sn684, Calibrated: 10/15/2013

2-3 GHz-Rev.1/Face Scan/1-Area Scan (81x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.498 V/m; Power Drift = -0.05 dB
Fast SAR: SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.028 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.0536 W/kg

2-3 GHz-Rev.1/Face Scan/2-Volume Scan 2D (61x61x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm, dz=1.000 mm
Reference Value = 4.498 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000 W/kg
Fast SAR: SAR(1 g) = 0.050 W/kg; SAR(10 g) = 0.027 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.0540 W/kg

2-3 GHz-Rev.1/Face Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.498 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.0930 W/kg
SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.027 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.0533 W/kg

2-3 GHz-Rev.1/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.0501 W/kg



Appendix F
DUT Test Position Photos

Photos available in Exhibit 7B

Appendix G
DUT, Body worn and audio accessories Photos

Photos available in Exhibit 7B