MOTOROLA SOLUTIONS

TESTING CERT # 2518.01

DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 5 of 6

Motorola Solutions Inc.
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Date of Report: 04/15/2016
Report Revision: B

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Date/s Tested:	LTE - 08/14/2015-08/26/2015, 09/16/2015 - 09/21/2015; GSM – 07/09/2015-07/15/2015 & 07/20/2015-07/22/2015; WCDMA – 07/16/2015, 07/17/2015, 07/20/2015-07/22/2015 & 08/26/2015-08/28/2015; WLAN – 07/29/2015-08/06/2015 & 09/17/2015-09/21/2015, 10/20/2015 & 11/07/2015-11/09/2015
Manufacturer:	Motorola Solutions Inc.
DUT Description:	Mission Critical Handheld Portable
Test TX mode(s):	GSM/GPRS, WCDMA, WLAN, LTE & BT
Max. Power output:	Refer to Part 1 Table 3
Nominal Power:	Refer to Part 1, Table 3
Tx Frequency Bands:	GSM: B2, B3, B5 & B8; WCDMA: B1, B2, B4, B5 & B8; WLAN: 2.4GHz / 5GHz; LTE; B3, B4, B5, B7, B8, B20, B26 & B28 & BT
Signaling type:	TDMA, CDMA, LTE, DSSS, OFDM & FHSS
Model(s) Tested:	LEX L10i
Model(s) Certified:	LEX L10i
Serial Number(s):	171PRQ0394, 171PRJ0703 & 171PRL0854
Classification:	General Population/Uncontrolled
FCC ID:	AZ489FT7078; GSM (B2 & B5), WCDMA (B2, B4 & B5), LTE (B4, B5, B7, B26) WLAN & BT - This report contains results that are immaterial for FCC equipment approval, which are clearly identified.

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 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 2.0 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

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Approval Date: 4/18/2016

Certification Date: 11/30/2015

Certification No.: L1151175P

Appendix G
WCDMA Bands 1, 2, 4, 5, and 8 Testing

This appendix includes the following SAR Measurement System Validation, System Verification, Tissue results, DUT Test Methodology / DUT Test Data / System Performance Scans / DUT Scans for model LEX 10i.

G.1 SAR Measurement System Validation and Verification

Probe and dipole calibration certificates are included in appendices B & C respectively.

G.1.1 System Validation

The SAR measurement system was validated according to procedures in KDB 865664. The validation status summary Table is below.

TABLE G.1

Dates	Probe Calibration Point		Probe SN	Measured Tissue Parameters		Validation		
				σ	ϵ_r	Sensitivity	Linearity	Isotropy
CW								
11/13/2014	Body	900	3301	1.07	55.0	Pass	Pass	Pass
11/13/2014	Head	900		1.00	40.5	Pass	Pass	Pass
05/27/2015	Body	1900		1.58	53.9	Pass	Pass	Pass
05/27/2015	Head	1900		1.45	41.4	Pass	Pass	Pass

G.1.2 System Verification

System verification checks were conducted each day during the SAR assessment. The results are normalized to 1W. Appendix G includes DASY plots for each day during the SAR assessment. The Table below summarizes the daily system check results used for the SAR assessment.

TABLE G.2

Probe Serial #	Tissue Type	Dipole Kit / Serial #	Reference SAR @ 1W (W/kg)	System Check Results Measured (W/kg)	System Check Test Results when normalized to 1W (W/kg)	Tested Date
System Check result for 900MHz						
3301	900 FCC Body	D900V2– 085	10.40 +/- 10%	2.60	10.40	7/16/2015
				2.60	10.40	7/17/2015
				2.59	10.36	7/20/2015
				2.62	10.48	8/28/2015
	900 IEEE Head		10.40 +/- 10%	2.61	10.44	7/17/2015
				2.56	10.24	7/20/2015
	1800 FCC Body	D1800V2-278	38.50 +/- 10%	3.96	39.60	8/27/2015
	1800 IEEE Head		38.60 +/- 10%	4.03	40.30	8/27/2015
				4.00	40.00	8/28/2015
	1900 FCC Body	D1900V2– 521	39.90 +/- 10%	3.88	38.80	7/21/2015
				4.06	40.60	7/22/2015
				3.94	39.40	8/26/2015
	1900 IEEE Head	D1900V2– 521	40.50 +/- 10%	3.95	39.50	7/21/2015
				4.28	42.80	8/28/2015

G.1.3 Equivalent Tissue Test Results

Simulated tissue prepared for SAR measurements are measured daily and within 24 hours of SAR testing to verify that the tissue is within +/- 5% of target parameters for each tested channel. This measurement is done using the applicable equipment indicated in section 9.0.

The table below summarizes the measured tissue parameters used for the SAR assessment.

TABLE G.3

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
Simulated Tissue Measurements for WCDMA Bands 1,2,4,5, and 8 testing						
826	FCC Body	0.97 (0.92 – 1.02)	55.2 (52.4 – 58.0)	0.97	53.9	7/16/2015
837	FCC Body	0.97 (0.92 – 1.02)	55.2 (52.4 – 58.0)	0.98	53.8	7/16/2015
				0.97	53.3	7/20/2015
				1.00	54.9	8/28/2015
847	FCC Body	0.98 (0.94 – 1.03)	55.2 (52.4 – 57.9)	0.99	53.7	7/16/2015
898	FCC Body	1.05 (1.00 – 1.10)	55.0 (52.3 – 57.8)	1.02	53.0	7/17/2015
				1.03	52.7	7/20/2015
900	FCC Body	1.05 (1.00 – 1.10)	55.0 (52.3 – 57.8)	1.04	53.3	7/16/2015
				1.02	53.0	7/17/2015
				1.03	52.7	7/20/2015
				1.07	54.3	8/28/2015
1712	FCC Body	1.46 (1.39 – 1.54)	53.5 (50.9 – 56.2)	1.48	52.7	8/27/2015
1800	FCC Body	1.52 (1.44 – 1.60)	53.3 (50.6 – 56.0)	1.55	52.4	8/27/2015
1852	FCC Body	1.52 (1.44 – 1.60)	53.3 (50.6 – 56.0)	1.45	55.3	8/26/2015
1880	FCC Body	1.52 (1.44 – 1.60)	53.3 (50.6 – 56.0)	1.49	55.2	8/26/2015
1900	FCC Body	1.52 (1.44 – 1.60)	53.3 (50.6 – 56.0)	1.58	54.1	7/21/2015
				1.46	51.0	7/22/2015
				1.52	55.2	8/26/2015
1908	FCC Body	1.52 (1.44 – 1.60)	53.3 (50.6 – 56.0)	1.53	55.1	8/26/2015
1922	FCC Body	1.52 (1.44 – 1.60)	53.3 (50.6 – 56.0)	1.55	55.7	7/21/2015
1950	FCC Body	1.52 (1.44 – 1.60)	53.3 (50.6 – 56.0)	1.57	55.6	7/21/2015
1978	FCC Body	1.52 (1.44 – 1.60)	53.3 (50.6 – 56.0)	1.53	50.8	7/22/2015
837	IEEE /IEC Head	0.90 (0.86 – 0.95)	41.5 (39.4 – 43.6)	0.93	40.6	7/17/2015
				0.91	40.6	7/20/2015
898	IEEE /IEC Head	0.97 (0.92 – 1.02)	41.5 (39.4 – 43.6)	0.99	39.8	7/17/2015
				0.97	39.9	7/20/2015

TABLE G.3 (cont.)

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
900	IEEE /IEC Head	0.97 (0.92 – 1.02)	41.5 (39.4 – 43.6)	0.99	39.8	7/17/2015
				0.97	39.9	7/20/2015
1712	IEEE /IEC Head	1.35 (1.28 – 1.42)	40.1 (38.1 – 42.1)	1.30	41.0	8/28/2015
1733	IEEE /IEC Head	1.36 (1.29 – 1.43)	40.1 (38.1 – 42.1)	1.32	40.9	8/28/2015
1753	IEEE /IEC Head	1.37 (1.30 – 1.44)	40.1 (38.1 – 42.1)	1.35	40.8	8/28/2015
1800	IEEE /IEC Head	1.40 (1.33 – 1.47)	40.0 (38.0 – 42.0)	1.38	40.7	8/27/2015
				1.40	40.6	8/28/2015
1852	IEEE /IEC Head	1.40 (1.33 – 1.47)	40.0 (38.0 – 42.0)	1.43	40.4	8/27/2015
1880	IEEE /IEC Head	1.40 (1.33 – 1.47)	40.0 (38.0 – 42.0)	1.46	40.3	8/27/2015
1900	IEEE /IEC Head	1.40 (1.33 – 1.47)	40.0 (38.0 – 42.0)	1.35	39.5	7/21/2015
				1.37	39.8	8/28/2015
1908	IEEE /IEC Head	1.40 (1.33 – 1.47)	40.0 (38.0 – 42.0)	1.38	39.8	8/28/2015
1950	IEEE /IEC Head	1.40 (1.33 – 1.47)	40.0 (38.0 – 42.0)	1.40	39.5	7/21/2015

G.2 DUT Test Methodology

G.2.1 Measurements

This device is only capable of QPSK HSUPA in the uplink. Therefore, no additional tests are required beyond that described for devices with HSUPA in KDB 941225 D01v03.

This device does not support DC-HSDPA

SAR was tested with the PMNN4472B battery using 12.2 kbps RMC (HSPA inactive) as the primary mode per KDB 941225 D01v03. SAR testing of HSPA modes (secondary modes) is not required if the maximum output power and tune-up tolerances specified is ≤ ¼ dB higher than the 12.2 kbps RMC primary mode or SAR of the primary mode was < 1.2 W/kg.

A base station emulator was used to configure the DUT at the body using a 12.2 kbps RMC with TPC bits configured to all "1's" per KDB 941225.

The DUT was tested with the optional high capacity battery PMNN4475B using the highest SAR configuration found during testing with the PMNN4472B battery.

G.2.2 DUT Configuration(s)

The DUT is a portable device as described in section 6.0. This appendix is specific to WCDMA Bands 1,2,4,5, and 8 testing at the body, head, and face using the offered

accessories. The device is placed in the test positions as described below for body, head and face. Appendix D illustrates the DUT and offered accessories.

G.2.3 DUT Positioning Procedures

The positioning of the device for each body location is described below and illustrated in Appendix J.

Body

The DUT was positioned in normal use configuration against the phantom with the offered body worn accessory.

Hotspot

The DUT was positioned with its front, back, and edges of the device with transmitting antennas within 2.5cm from the edge separated 1.0 cm from the phantom. The DUT was also tested along the edge containing the WLAN / BT antenna if the transmitting antenna was not within 2.5cm from that edge.

Head

The DUT was placed against the right and left heads of the SAM phantom in the cheek touch and tilt positions.

G.3 Assessments at WCDMA Band 1 (1920 – 1980 MHz) Test Data

G.3.1 Output Power Data WCDMA Band 1

These power measurements were used to determine the necessary modes for SAR testing according to KDB 941225 D01v03.

Maximum power output is verified on the high, middle, and low UARFCN uplink channel for each band following the measurement descriptions in section 5.2 of 3GPP TS 34.121-1 version 11.6.0 Release 11, using the appropriate RMC or AMR with TPC (transmit power control) set to all “1’s” for WCDMA / HSDPA or by applying the required inner loop power control to maintain maximum power while HSUPA is active. Results for all applicable physical channel configurations (DPCCH, DPDCHn and spreading codes, HSDPA, etc.) are tabulated in this test report. All configurations that are not supported by the DUT or cannot be measured are identified if applicable.

TABLE G.4 – Output Power WCDMA Band 1

3GPP Release Version	Radio Config.	Settings	Low	Mid	High	Max Specified Power and Tune Up tolerance (dBm)	3GPP MPR [dB]
			9612	9750	9888		
REL 99	WCDMA	12 kbps RMC	23.27	23.49	23.47	24.00	-
REL 99	WCDMA	12.2 kbps AMR	23.33	23.62	23.57	24.00	-
Rel 6	HSDPA	Subtest 1	22.18	22.43	22.45	24.00	0.0
Rel 6	HSDPA	Subtest 2	22.17	22.41	22.45	24.00	0.0
Rel 6	HSDPA	Subtest 3	21.76	21.92	21.96	24.00	0.5
Rel 6	HSDPA	Subtest 4	21.55	21.72	21.74	24.00	0.5
Rel 6	HSUPA	Subtest 1	21.98	22.25	22.23	24.00	0.0
Rel 6	HSUPA	Subtest 2	20.81	21.55	20.90	24.00	2.0
Rel 6	HSUPA	Subtest 3	21.21	21.46	21.28	24.00	1.0
Rel 6	HSUPA	Subtest 4	21.76	21.97	21.48	24.00	2.0
Rel 6	HSUPA	Subtest 5	22.35	22.52	22.40	24.00	0.0

G.3.2 Assessments at the Body

Table G.5 presents the data of the body assessment. SAR plot(s) are included in section G.12 for the bolded data in Table G.5.

TABLE G.5

Assessments at the Body (Band 1) 1920 – 1980 MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at Body												
Ant 1	PMNN4472B Standard	Body	HKLN4618A back	None	1950.0	223	-0.06	0.54	0.34	**0.61**	0.383	ErC-Ab-150721-14
Ant 1	PMNN4472B Standard	Body	HKLN4618A front	None	1950.0	223	0.12	0.39	0.24	0.44	0.269	ErC-Ab-150721-15
Assessment at the body – extended battery												
Ant 1	PMNN4475B Extended	Body	HKLN4618A back	None	1950.0	223	-0.02	0.43	0.27	0.48	0.302	ErC-Ab-150721-16

SAR testing of HSPA modes (secondary modes) was not required since the maximum output power and tune-up tolerances specified is ≤ ¼ dB higher than the 12.2 kbps RMC primary mode and SAR of the primary mode was < 1.2 W/kg.

G.3.3 Hotspot Assessment

Table G.6 presents the data of the hotspot assessments. SAR plot(s) are included in section G.12 for the bolded data in Table G.6.

TABLE G.6

Assessments at the Body (Band 1) 1920 – 1980 MHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (mW)**	**SAR Drift (dB)**	**Meas. 1g-SAR (mW/g)**	**Meas. 10g-SAR (mW/g)**	**Max Calc. 1g-SAR (mW/g)**	**Max Calc. 10g-SAR (mW/g)**	**Run Number**
Assessment at body												
Ant 1	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	1950.0	223	0.07	0.83	0.51	**0.93**	0.57	ErC-Ab-150721-17
Ant 1	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	1950.0	223	0.02	0.67	0.42	0.75	0.47	ErC-Ab-150721-18
Ant 1	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	1950.0	223	0.07	0.61	0.36	0.68	0.40	ErC-Ab-150721-19
Ant 1	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	1950.0	223	-0.07	0.40	0.24	0.45	0.28	ErC-Ab-150721-20
Additional Channels for SAR > 0.8mW/g												
Ant 1	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	1977.6	222	-0.01	0.68	0.42	0.77	0.48	ErC-Ab-150722-07
Ant 1	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	1922.4	212	-0.08	0.67	0.42	0.81	0.51	ErC-Ab-150721-21
Assessment at the body – extended battery												
Ant 1	PMNN4475B Extended	Body	Front of DUT @ 1cm	None	1950.0	223	-0.04	0.75	0.46	0.85	0.52	ErC-Ab-150721-22

SAR testing of HSPA modes (secondary modes) was not required since the maximum output power and tune-up tolerances specified is ≤ ¼ dB higher than the 12.2 kbps RMC primary mode and SAR of the primary mode was < 1.2 W/kg.

G.3.4 Assessments at the Head

Table G.7 presents the data of the head assessments. SAR plot(s) are included in section G.12 for the bolded data in Table G.7.

TABLE G.7

Assessments at the Head (Band 1) 1920 – 1980 MHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (mW)**	**SAR Drift (dB)**	**Meas. 1g-SAR (mW/g)**	**Meas. 10g-SAR (mW/g)**	**Max Calc. 1g-SAR (mW/g)**	**Max Calc. 10g-SAR (mW/g)**	**Run Number**
Assessment at right ear												
Ant 1	PMNN4472B Standard	REAR	Touch	None	1950.0	223	0.00	0.69	0.42	**0.77**	0.47	ErC-Rear-150721-08
Ant 1	PMNN4472B Standard	REAR	Tilt	None	1950.0	223	-0.13	0.46	0.25	0.53	0.29	ErC-Rear-150721-09
Assessment at left ear												
Ant 1	PMNN4472B Standard	LEAR	Touch	None	1950.0	223	-0.17	0.57	0.36	0.67	0.42	ErC-Lear-150721-06
Ant 1	PMNN4472B Standard	LEAR	Tilt	None	1950.0	223	0.06	0.42	0.25	0.48	0.28	ErC-Lear-150721-07
Assessment at the head – extended battery												
Ant 1	PMNN4475B Extended	REAR	Touch	None	1950.0	223	-0.11	0.49	0.30	0.56	0.35	ErC-Rear-150721-11

SAR testing of HSPA modes (secondary modes) was not required since the maximum output power and tune-up tolerances specified is ≤ ¼ dB higher than the 12.2 kbps RMC primary mode and SAR of the primary mode was < 1.2 W/kg.

G.4 Assessments at WCDMA Band 2 (1850 - 1910 MHz) Test Data

G.4.1 Output Power Data WCDMA Band 2

These power measurements were used to determine the necessary modes for SAR testing according to KDB 941225 D01v03.

Maximum power output is verified on the high, middle, and low UARFCN uplink channel for each band following the measurement descriptions in section 5.2 of 3GPP TS 34.121-1 version 11.6.0 Release 11, using the appropriate RMC or AMR with TPC (transmit power control) set to all "1's" for WCDMA / HSDPA or by applying the required inner loop power control to maintain maximum power while HSUPA is active. Results for all applicable physical channel configurations (DPCCH, DPDCHn and spreading codes, HSDPA, etc.) are tabulated in this test report. All configurations that are not supported by the DUT or cannot be measured are identified if applicable.

TABLE G.8 – Output Power WCDMA Band 2

3GPP Release Version	Radio Config.	Settings	Low	Mid	High	Max Specified Power and Tune Up Tolerance (dBm)	3GPP MPR [dB]
			9262	9400	9538		
REL 99	WCDMA	12 kbps RMC	23.68	23.73	23.06	24.00	-
REL 99	WCDMA	12.2 kbps AMR	23.72	23.53	23.10	24.00	-
Rel 6	HSDPA	Subtest 1	22.69	22.74	22.01	24.00	0.0
Rel 6	HSDPA	Subtest 2	22.68	22.73	22.11	24.00	0.0
Rel 6	HSDPA	Subtest 3	22.22	22.17	21.61	24.00	0.5
Rel 6	HSDPA	Subtest 4	22.01	22.11	22.25	24.00	0.5
Rel 6	HSUPA	Subtest 1	22.62	22.70	21.73	24.00	0.0
Rel 6	HSUPA	Subtest 2	21.46	21.48	21.22	24.00	2.0
Rel 6	HSUPA	Subtest 3	21.62	21.72	20.93	24.00	1.0
Rel 6	HSUPA	Subtest 4	21.72	21.78	21.52	24.00	2.0
Rel 6	HSUPA	Subtest 5	22.75	22.70	22.04	24.00	0.0

G.4.2 Assessments at the Body

Table G.9 presents the data of the body assessment. SAR plot(s) are included in section G.12 for the bolded data in Table G.9.

TABLE G.9

Assessments at the Body (Band 2) 1850 - 1910 MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at Body												
Ant 1	PMNN4472B Standard	Body	HKLN4618A back	None	1880.0	236	0.01	0.61	0.40	**0.65**	0.42	ErC-Ab-150826-04
Ant 1	PMNN4472B Standard	Body	HKLN4618A front	None	1880.0	236	0.09	0.50	0.32	0.53	0.34	ErC-Ab-150826-05
Assessment at the body – extended battery												
Ant 1	PMNN4475B Extended	Body	HKLN4618A back	None	1880.0	236	0.09	0.49	0.32	0.52	0.34	ErC-Ab-150826-06

SAR testing of HSPA modes (secondary modes) was not required since the maximum output power and tune-up tolerances specified is ≤ ¼ dB higher than the 12.2 kbps RMC primary mode and SAR of the primary mode was < 1.2 W/kg.

G.4.3 Hotspot Assessment

Table G.10 presents the data of the hotspot assessments. SAR plot(s) are included in section G.12 for the bolded data in Table G.10.

TABLE G.10

Assessments at the Body (Band 2) 1850 - 1910 MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at body												
Ant 1	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	1880	236	0.12	0.89	0.57	**0.94**	0.60	ErC-Ab-150826-07
Ant 1	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	1880	236	0.06	0.75	0.50	0.80	0.53	ErC-Ab-150826-08
Ant 1	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	1880	236	-0.04	0.66	0.40	0.71	0.43	ErC-Ab-150826-09
Ant 1	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	1880	236	-0.03	0.45	0.29	0.48	0.31	ErC-Ab-150826-10
Additional Channels for SAR > 0.8mW/g												
Ant 1	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	1852.4	233	-0.05	0.74	0.48	0.81	0.52	ErC-Ab-150826-12
Ant 1	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	1907.6	202	0.00	0.61	0.39	0.76	0.49	ErC-Ab-150826-13
Ant 1	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	1852.4	233	0.04	0.68	0.45	0.74	0.49	ErC-Ab-150826-14
Ant 1	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	1907.6	202	-0.01	0.64	0.42	0.80	0.53	ErC-Ab-150826-15
Assessment at the body – extended battery												
Ant 1	PMNN4475B Extended	Body	Front of DUT @ 1cm	None	1880	236	0.05	0.76	0.49	0.81	0.52	ErC-Ab-150826-16

SAR testing of HSPA modes (secondary modes) was not required since the maximum output power and tune-up tolerances specified is ≤ ¼ dB higher than the 12.2 kbps RMC primary mode and SAR of the primary mode was < 1.2 W/kg.

G.4.4 Assessments at the Head

Table G.11 presents the data of the head assessments. SAR plot(s) are included in section G.12 for the bolded data in Table G.11.

TABLE G.11

Assessments at the Head (Band 2) 1850 - 1910 MHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (mW)**	**SAR Drift (dB)**	**Meas. 1g-SAR (mW/g)**	**Meas. 10g-SAR (mW/g)**	**Max Calc. 1g-SAR (mW/g)**	**Max Calc. 10g-SAR (mW/g)**	**Run Number**
Assessment at right ear												
Ant 1	PMNN4472B Standard	REAR	Touch	None	1880	236	-0.15	0.62	0.38	0.68	0.42	ErC-Rear-150827-13
Ant 1	PMNN4472B Standard	REAR	Tilt	None	1880	236	0.03	0.43	0.25	0.46	0.26	ErC-Rear-150827-14
Assessment at left ear												
Ant 1	PMNN4472B Standard	LEAR	Touch	None	1880	236	0.06	0.79	0.50	0.84	0.53	ErC-Lear-150827-15
Ant 1	PMNN4472B Standard	LEAR	Tilt	None	1880	236	-0.21	0.42	0.25	0.47	0.27	ErC-Lear-150827-16
Additional Channels for SAR > 0.8mW/g												
Ant 1	PMNN4472B Standard	LEAR	Touch	None	1852.4	233	0.06	0.80	0.49	**0.86**	0.53	ErC-Lear-150827-17
Ant 1	PMNN4472B Standard	LEAR	Touch	None	1907.6	202	0.01	0.64	0.40	0.80	0.49	ErC-Lear-150828-13
Assessment at the head – extended battery												
Ant 1	PMNN4475B Extended	LEAR	Touch	None	1852.4	233	0.07	0.64	0.39	0.69	0.42	ErC-Lear-150827-18

SAR testing of HSPA modes (secondary modes) was not required since the maximum output power and tune-up tolerances specified is ≤ ¼ dB higher than the 12.2 kbps RMC primary mode and SAR of the primary mode was < 1.2 W/kg.

G.5 Assessments at WCDMA Band 4 (1710 - 1755 MHz) Test Data

G.5.1 Output Power Data WCDMA Band 4

These power measurements were used to determine the necessary modes for SAR testing according to KDB 941225 D01v03.

Maximum power output is verified on the high, middle, and low UARFCN uplink channel for each band following the measurement descriptions in section 5.2 of 3GPP TS 34.121-1 version 11.6.0 Release 11, using the appropriate RMC or AMR with TPC (transmit power control) set to all "1's" for WCDMA / HSDPA or by applying the required inner loop power control to maintain maximum power while HSUPA is active. Results for all applicable physical channel configurations (DPCCH, DPDCHn and spreading codes, HSDPA, etc.) are tabulated in this test report. All configurations that are not supported by the DUT or cannot be measured are identified if applicable.

TABLE G.12 – Output Power WCDMA Band 4

3GPP Release Version	Radio Config.	Settings	Low	Mid	High	Max Specified Power and Tune Up tolerance (dBm)	3GPP MPR [dB]
			1312	1413	1513		
REL 99	WCDMA	12 kbps RMC	23.65	23.60	23.11	24.00	-
REL 99	WCDMA	12.2 kbps AMR	23.73	23.53	22.92	24.00	-
Rel 6	HSDPA	Subtest 1	22.72	22.52	22.16	24.00	0.0
Rel 6	HSDPA	Subtest 2	22.71	22.52	22.16	24.00	0.0
Rel 6	HSDPA	Subtest 3	22.22	22.02	21.67	24.00	0.5
Rel 6	HSDPA	Subtest 4	22.21	22.00	21.67	24.00	0.5
Rel 6	HSUPA	Subtest 1	22.47	22.43	21.92	24.00	0.0
Rel 6	HSUPA	Subtest 2	21.63	20.95	20.80	24.00	2.0
Rel 6	HSUPA	Subtest 3	21.72	21.56	20.76	24.00	1.0
Rel 6	HSUPA	Subtest 4	22.12	21.30	21.80	24.00	2.0
Rel 6	HSUPA	Subtest 5	22.76	22.59	21.94	24.00	0.0

G.5.2 Assessments at the Body

A base station emulator was used to configure the DUT at the body using a 12.2 kbps RMC with TPC bits configured to all "1's" per KDB 941225.

Table G.13 presents the data of the body assessment. SAR plot(s) are included in section G.12 for the bolded data in Table G.13.

TABLE G.13

Assessments at the Body (Band 4) 1710-1755 MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at Body												
Ant 1	PMNN4472B Standard	Body	HKLN4618A back	None	1712.4	232	0.03	0.66	0.42	0.71	0.45	ErC-Ab-150827-02
Ant 1	PMNN4472B Standard	Body	HKLN4618A front	None	1712.4	232	-0.12	0.70	0.44	0.78	0.48	ErC-Ab-150827-03
Assessment at the body – extended battery												
Ant 1	PMNN4475B Extended	Body	HKLN4618A front	None	1712.4	232	0.07	0.75	0.47	**0.82**	0.51	ErC-Ab-150827-04

SAR testing of HSPA modes (secondary modes) was not required since the maximum output power and tune-up tolerances specified is ≤ ¼ dB higher than the 12.2 kbps RMC primary mode and SAR of the primary mode was < 1.2 W/kg.

G.5.3 Hotspot Assessment

Table G.14 presents the data of the hotspot assessments. SAR plot(s) are included in section G.12 for the bolded data in Table G.14.

TABLE G.14

Assessments at the Body (Band 4) 1710-1755 MHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (mW)**	**SAR Drift (dB)**	**Meas. 1g-SAR (mW/g)**	**Meas. 10g-SAR (mW/g)**	**Max Calc. 1g-SAR (mW/g)**	**Max Calc. 10g-SAR (mW/g)**	**Run Number**
Assessment at body												
Ant 1	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	1712.4	232	0.08	0.73	0.47	0.79	0.51	ErC-Ab-150827-05
Ant 1	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	1712.4	232	-0.07	0.72	0.46	0.79	0.50	ErC-Ab-150827-06
Ant 1	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	1712.4	232	0.09	0.56	0.33	0.61	0.36	ErC-Ab-150827-07
Ant 1	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	1712.4	232	-0.06	0.46	0.29	0.51	0.32	ErC-Ab-150827-08
Assessment at the body – extended battery												
Ant 1	PMNN4475B Extended	Body	Front of DUT @ 1cm	None	1712.4	232	0.03	0.78	0.49	**0.84**	0.53	ErC-Ab-150827-09

SAR testing of HSPA modes (secondary modes) was not required since the maximum output power and tune-up tolerances specified is ≤ ¼ dB higher than the 12.2 kbps RMC primary mode and SAR of the primary mode was < 1.2 W/kg.

G.5.4 Assessments at the Head

Table G.15 presents the data of the head assessments. SAR plot(s) are included in section G.12 for the bolded data in Table G.15.

TABLE G.15

Assessments at the Head (Band 4) 1710-1755 MHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (mW)**	**SAR Drift (dB)**	**Meas. 1g-SAR (mW/g)**	**Meas. 10g-SAR (mW/g)**	**Max Calc. 1g-SAR (mW/g)**	**Max Calc. 10g-SAR (mW/g)**	**Run Number**
Assessment at right ear												
Ant 1	PMNN4472B Standard	REAR	Touch	None	1712.4	232	-0.06	0.70	0.44	0.76	0.48	ErC-Rear-150828-02
Ant 1	PMNN4472B Standard	REAR	Tilt	None	1712.4	232	-0.05	0.33	0.18	0.36	0.20	ErC-Rear-150828-03
Assessment at left ear												
Ant 1	PMNN4472B Standard	LEAR	Touch	None	1712.4	232	-0.10	0.83	0.50	**0.92**	0.55	ErC-Lear-150828-04
Ant 1	PMNN4472B Standard	LEAR	Tilt	None	1712.4	232	0.06	0.28	0.17	0.31	0.18	ErC-Lear-150828-05
Additional Channels for SAR > 0.8mW/g												
Ant 1	PMNN4472B Standard	LEAR	Touch	None	1732.6	229	-0.06	0.73	0.46	0.81	0.51	ErC-Lear-150828-07
Ant 1	PMNN4472B Standard	LEAR	Touch	None	1752.6	205	0.08	0.70	0.43	0.86	0.53	ErC-Lear-150828-08
Assessment at the head – extended battery												
Ant 1	PMNN4475B Extended	LEAR	Touch	None	1712.4	232	-.04	0.75	0.47	0.82	0.52	ErC-Lear-150828-10

SAR testing of HSPA modes (secondary modes) was not required since the maximum output power and tune-up tolerances specified is ≤ ¼ dB higher than the 12.2 kbps RMC primary mode and SAR of the primary mode was < 1.2 W/kg.

G.6 Assessments at WCDMA Band 5 (824 - 849 MHz) Test Data

G.6.1 Output Power Data WCDMA Band 5

These power measurements were used to determine the necessary modes for SAR testing according to KDB 941225 D01v03.

Maximum power output is verified on the high, middle, and low UARFCN uplink channel for each band following the measurement descriptions in section 5.2 of 3GPP TS 34.121-1 version 11.6.0 Release 11, using the appropriate RMC or AMR with TPC (transmit power control) set to all "1's" for WCDMA / HSDPA or by applying the required inner loop power control to maintain maximum power while HSUPA is active. Results for all applicable physical channel configurations (DPCCH, DPDCHn and spreading codes, HSDPA, etc.) are tabulated in this test report. All configurations that are not supported by the DUT or cannot be measured are identified if applicable.

TABLE G.16 – Output Power WCDMA Band 5

3GPP Release Version	Radio Config.	Settings	Low	Mid	High	Max Specified Power and Tune Up tolerance (dBm)	3GPP MPR [dB]
			4132	4183	4233		
REL 99	WCDMA	12 kbps RMC	23.43	23.33	23.15	24.00	-
REL 99	WCDMA	12.2 kbps AMR	23.39	23.30	23.09	24.00	-
Rel 6	HSDPA	Subtest 1	22.38	22.32	22.16	24.00	0.0
Rel 6	HSDPA	Subtest 2	22.37	22.31	22.16	24.00	0.0
Rel 6	HSDPA	Subtest 3	21.98	21.82	21.67	24.00	0.5
Rel 6	HSDPA	Subtest 4	21.98	21.82	21.67	24.00	0.5
Rel 6	HSUPA	Subtest 1	21.77	21.63	21.57	24.00	0.0
Rel 6	HSUPA	Subtest 2	21.38	21.24	21.19	24.00	2.0
Rel 6	HSUPA	Subtest 3	20.99	20.85	20.79	24.00	1.0
Rel 6	HSUPA	Subtest 4	21.59	21.42	21.38	24.00	2.0
Rel 6	HSUPA	Subtest 5	22.54	22.38	22.20	24.00	0.0

G.6.2 Assessments at the Body

Table G.17 presents the data of the body assessment. SAR plot(s) are included in section G.12 for the bolded data in Table G.17.

TABLE G.17

Assessments at the Body (Band 5) 824 - 849 MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at Body												
Ant 2	PMNN4472B Standard	Body	HKLN4618A back	None	836.6	215	0.07	0.44	0.31	**0.52**	0.36	ErC-Ab-150716-02
Ant 2	PMNN4472B Standard	Body	HKLN4618A front	None	836.6	215	-0.07	0.35	0.25	0.41	0.29	ErC-Ab-150716-03
Assessment at the body – extended battery												
Ant 2	PMNN4475B Extended	Body	HKLN4618A back	None	836.6	215	0.04	0.38	0.27	0.44	0.31	ErC-Ab-150720-15

SAR testing of HSPA modes (secondary modes) was not required since the maximum output power and tune-up tolerances specified is ≤ ¼ dB higher than the 12.2 kbps RMC primary mode and SAR of the primary mode was < 1.2 W/kg.

G.6.3 Hotspot Assessments

Table G.18 presents the data of the hotspot assessments. SAR plot(s) are included in section G.12 for the bolded data in Table G.18.

TABLE G.18

Assessments at the Body (Band 5) 824 - 849 MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at body												
Ant 2	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	836.6	215	-0.03	0.55	0.42	0.65	0.49	ErC-Ab-150716-04
Ant 2	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	836.6	215	0.06	0.81	0.61	**0.95**	0.71	ErC-Ab-150716-05
Ant 2	PMNN4472B Standard	Body	Left side of DUT @ 1cm	None	836.6	215	0.01	0.40	0.28	0.46	0.33	ErC-Ab-150716-06
Ant 2	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	836.6	215	-0.01	0.44	0.31	0.52	0.36	ErC-Ab-150716-07
Ant 2	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	836.6	215	-0.04	0.21	0.14	0.24	0.17	ErC-Ab-150716-08
Additional Channels for SAR > 0.8mW/g												
Ant 2	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	826.4	220	-0.07	0.81	0.61	0.94	0.71	ErC-Ab-150716-09
Ant 2	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	846.6	207	-0.02	0.73	0.55	0.89	0.67	ErC-Ab-150716-10
Assessment at the body – extended battery												
Ant 2	PMNN4475B Extended	Body	Back of DUT @ 1cm	None	836.6	215	-0.06	0.73	0.55	0.86	0.65	ErC-Ab-150720-14

SAR testing of HSPA modes (secondary modes) was not required since the maximum output power and tune-up tolerances specified is ≤ ¼ dB higher than the 12.2 kbps RMC primary mode and SAR of the primary mode was < 1.2 W/kg.

G.6.4 Assessments at the Head

Table G.19 presents the data of the head assessments. SAR plot(s) are included in section G.12 for the bolded data in Table G.19.

TABLE G.19

Assessments at the Head (Band 5) 824 - 849 MHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (mW)**	**SAR Drift (dB)**	**Meas. 1g-SAR (mW/g)**	**Meas. 10g-SAR (mW/g)**	**Max Calc. 1g-SAR (mW/g)**	**Max Calc. 10g-SAR (mW/g)**	**Run Number**
Assessment at right ear												
Ant 2	PMNN4472B Standard	REAR	Touch	None	836.6	215	0.01	0.47	0.36	**0.54**	0.42	ErC-Rear-150717-18
Ant 2	PMNN4472B Standard	REAR	Tilt	None	836.6	215	0.03	0.30	0.23	0.35	0.27	ErC-Rear-150717-19
Assessment at left ear												
Ant 2	PMNN4472B Standard	LEAR	Touch	None	836.6	215	-0.08	0.44	0.34	0.52	0.40	ErC-Lear-150717-16
Ant 2	PMNN4472B Standard	LEAR	Tilt	None	836.6	215	-0.04	0.30	0.23	0.35	0.27	ErC-Lear-150717-17
Assessment at the head – extended battery												
Ant 2	PMNN4475B Extended	REAR	Touch	None	836.6	215	-0.07	0.39	0.31	0.47	0.36	ErC-Rear-150720-02

SAR testing of HSPA modes (secondary modes) was not required since the maximum output power and tune-up tolerances specified is ≤ ¼ dB higher than the 12.2 kbps RMC primary mode and SAR of the primary mode was < 1.2 W/kg.

G.7 Assessments at WCDMA Band 8 (880 - 915 MHz) Test Data

G.7.1 Output Power Data WCDMA Band 8

These power measurements were used to determine the necessary modes for SAR testing according to KDB 941225 D01v03.

Maximum power output is verified on the high, middle, and low UARFCN uplink channel for each band following the measurement descriptions in section 5.2 of 3GPP TS 34.121-1 version 11.6.0 Release 11, using the appropriate RMC or AMR with TPC (transmit power control) set to all "1's" for WCDMA / HSDPA or by applying the required inner loop power control to maintain maximum power while HSUPA is active. Results for all applicable physical channel configurations (DPCCH, DPDCHn and spreading codes, HSDPA, etc.) are tabulated in this test report. All configurations that are not supported by the DUT or cannot be measured are identified if applicable.

TABLE G.20 – Output Power WCDMA Band 8

3GPP Release Version	Radio Config.	Settings	Low	Mid	High	Max Specified Power and Tune Up tolerance (dBm)	3GPP MPR [dB]
			2712	2788	2863		
REL 99	WCDMA	12 kbps RMC	23.12	23.33	23.57	24.00	-
REL 99	WCDMA	12.2 kbps AMR	23.10	23.31	23.56	24.00	-
Rel 6	HSDPA	Subtest 1	22.19	22.22	22.55	24.00	0.0
Rel 6	HSDPA	Subtest 2	22.05	22.17	22.44	24.00	0.0
Rel 6	HSDPA	Subtest 3	21.74	21.83	22.20	24.00	0.5
Rel 6	HSDPA	Subtest 4	21.53	21.82	22.17	24.00	0.5
Rel 6	HSUPA	Subtest 1	21.48	21.73	22.04	24.00	0.0
Rel 6	HSUPA	Subtest 2	20.89	21.35	21.04	24.00	2.0
Rel 6	HSUPA	Subtest 3	21.06	20.96	21.26	24.00	1.0
Rel 6	HSUPA	Subtest 4	21.15	21.56	21.84	24.00	2.0
Rel 6	HSUPA	Subtest 5	22.24	22.37	22.82	24.00	0.0

G.7.2 Assessments at the Body

Table G.21 presents the data of the body assessment. SAR plot(s) are included in section G.12 for the bolded data in Table G.21.

TABLE G.21

Assessments at the Body (Band 8) 890 - 915 MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at Body												
Ant 2	PMNN4472B Standard	Body	HKLN4618A back	None	897.6	215	-0.16	0.31	0.21	**0.38**	0.25	ErC-Ab-150717-02
Ant 2	PMNN4472B Standard	Body	HKLN4618A front	None	897.6	215	-0.02	0.30	0.20	0.35	0.23	ErC-Ab-150717-03
Assessment at the body – extended battery												
Ant 2	PMNN4475B Extended	Body	HKLN4618A back	None	897.6	215	-0.09	0.26	0.18	0.31	0.22	ErC-Ab-150720-16

SAR testing of HSPA modes (secondary modes) was not required since the maximum output power and tune-up tolerances specified is ≤ ¼ dB higher than the 12.2 kbps RMC primary mode and SAR of the primary mode was < 1.2 W/kg.

G.7.3 Hotspot Assessments

Table G.22 presents the data of the hotspot assessments. SAR plot(s) are included in section G.12for the bolded data in Table G.22.

TABLE G.22

Assessments at the Body (Band 8) 880 - 915 MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at body												
Ant 2	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	897.6	215	-0.07	0.52	0.37	0.62	0.43	ErC-Ab-150717-04
Ant 2	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	897.6	215	-0.03	0.67	0.49	**0.79**	0.57	ErC-Ab-150717-05
Ant 2	PMNN4472B Standard	Body	Left side of DUT @ 1cm	None	897.6	215	-0.05	0.18	0.12	0.21	0.14	ErC-Ab-150717-06
Ant 2	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	897.6	215	-0.03	0.25	0.18	0.30	0.21	ErC-Ab-150717-07
Ant 2	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	897.6	215	-0.01	0.18	0.12	0.21	0.14	ErC-Ab-150717-08
Assessment at the body – extended battery												
Ant 2	PMNN4475B Extended	Body	Back of DUT @ 1cm	None	897.6	215	-0.07	0.53	0.39	0.62	0.46	ErC-Ab-150720-17

SAR testing of HSPA modes (secondary modes) was not required since the maximum output power and tune-up tolerances specified is ≤ ¼ dB higher than the 12.2 kbps RMC primary mode and SAR of the primary mode was < 1.2 W/kg.

G.7.4 Assessments at the Head

Table G.23 presents the data of the hotspot assessments. SAR plot(s) are included in section G.12 for the bolded data in Table G.23.

TABLE G.23

Assessments at the Head (Band 8) 880 - 915 MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at right ear												
Ant 2	Standard PMNN4472B	REAR	Touch	None	897.6	215	-0.09	0.50	0.37	**0.59**	0.44	ErC-Rear-150717-12
Ant 2	Standard PMNN4472B	REAR	Tilt	None	897.6	215	0.04	0.29	0.22	0.34	0.26	ErC-Rear-150717-13
Assessment at left ear												
Ant 2	PMNN4472B Standard	LEAR	Touch	None	897.6	215	-0.12	0.48	0.36	0.58	0.43	ErC-Lear-150717-14
Ant 2	PMNN4472B Standard	LEAR	Tilt	None	897.6	215	0.05	0.28	0.21	0.33	0.25	ErC-Lear-150717-15
Assessment at the head – extended battery												
Ant 2	PMNN4475B Extended	REAR	Touch	None	897.6	215	0.04	0.39	0.30	0.46	0.35	ErC-Rear-150720-06

SAR testing of HSPA modes (secondary modes) was not required since the maximum output power and tune-up tolerances specified is ≤ ¼ dB higher than the 12.2 kbps RMC primary mode and SAR of the primary mode was < 1.2 W/kg.

G.8 Results Summary

Based on the test guidelines from section 4.0 the highest Operational Maximum Calculated WCDMA 1-gram and 10-gram average SAR values found for this filing;

TABLE G.24

Frequency	Max Calc at Body (mW/g)		Max Calc at Hotspot (mW/g)		Max Calc at Head (mW/g)	
	1g-SAR	10g-SAR	1g-SAR	10g-SAR	1g-SAR	10g-SAR
WCDMA Band 1 1920 – 1980 MHz	0.61	0.38	0.93	0.57	0.77	0.47
WCDMA Band 2 1850 – 1910 MHz	0.65	0.42	0.94	0.60	0.86	0.53
WCDMA Band 4 1710 – 1755 MHz	0.82	0.51	0.84	0.53	0.92	0.55
WCDMA Band 5 824 - 849 MHz	0.52	0.36	0.95	0.71	0.54	0.42
WCDMA Band 8 890 – 915 MHz	0.38	0.25	0.79	0.57	0.59	0.44

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 47 CFR 2.1093(d). The 10 grams result is not applicable to FCC filing.

G.9 Variability Assessment

Per the guidelines in KDB 865664 SAR variability assessment is required because SAR results are above 0.8W/kg.

The Table below includes test results of the original measurement(s), the repeated measurement(s), and the ratio (SAR_{high}/SAR_{low}) for the applicable test configuration(s).

Run#	Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Adj. Calc. 1g-SAR (W/kg)	Ratio	Comments
ErC-Ab-150716-05	Ant 2	Standard PMNN4472B	None	None	836.6	0.813	1.09	No additional repeated scans is required due to the Ratio (SAR_{high}/SAR_{low}) < 1.20
ErC-Ab-150828-15						0.744		

G.10 System Verification Data

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/16/2015 5:25:25 AM

Robot#: DASY5-FL-2 | Run#:	ErC-SYSP-900B-150716-01
Dipole Model#	D900V2
Phantom#:	OVAL1016
Tissue Temp:	20.9 (C)
Serial#:	085
Test Freq:	900 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.02 dB
Adjusted SAR (1W):	10.40 mW/g (1g)

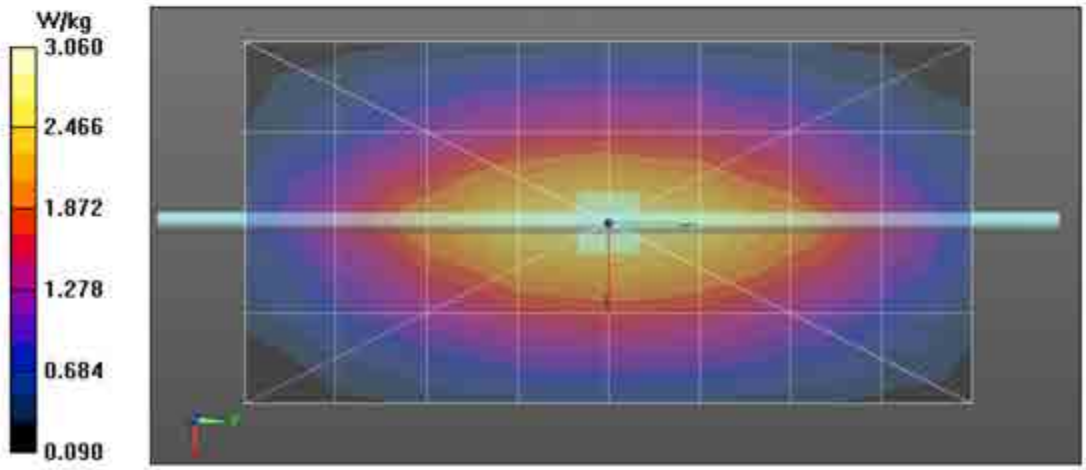
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 900 MHz; σ = 1.04 S/m; ε_r = 53.3; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 900 MHz, ConvF(6, 6, 6); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.06 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 = 56.01 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.88 W/kg
SAR(1 g) = 2.6 W/kg; SAR(10 g) = 1.68 W/kg (SAR corrected for target medium)

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



Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/17/2015 4:34:05 AM

Robot#: DASY5-FL-2 | Run#:	ErC-SYSP-900B-150717-01
Dipole Model#	D900V2
Phantom#:	OVAL1016
Tissue Temp:	21.6 (C)
Serial#:	085
Test Freq:	900 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.02 dB
Adjusted SAR (1W):	10.40 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 900 MHz; σ = 1.02 S/m; ε_r = 53; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 900 MHz, ConvF(6, 6, 6); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement

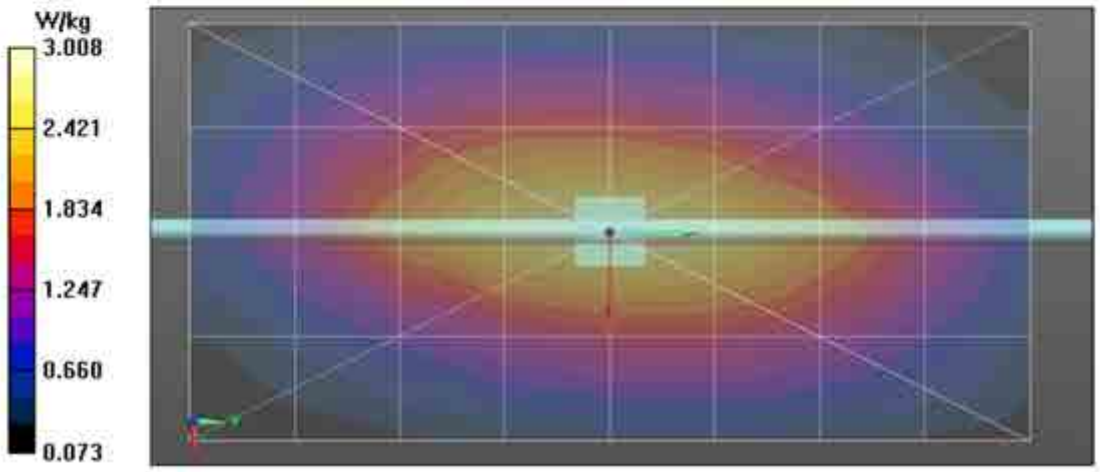
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.01 W/kg

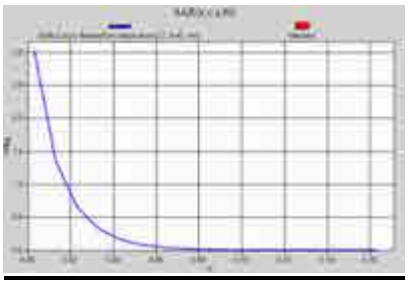
Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 56.32 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 3.81 W/kg
SAR(1 g) = 2.6 W/kg; SAR(10 g) = 1.68 W/kg (SAR corrected for target medium)

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

grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.02 W/kg





Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/20/2015 8:35:37 AM

Robot#: DASY5-FL-2 | Run#:	ErC-SYSP-900B-150720-09
Dipole Model#	D900V2
Phantom#:	OVAL1016
Tissue Temp:	20.9 (C)
Serial#:	085
Test Freq:	900 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.019 dB
Adjusted SAR (1W):	10.36 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 900 MHz; σ = 1.03 S/m; ε_r = 52.7; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 900 MHz, ConvF(6, 6, 6); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement

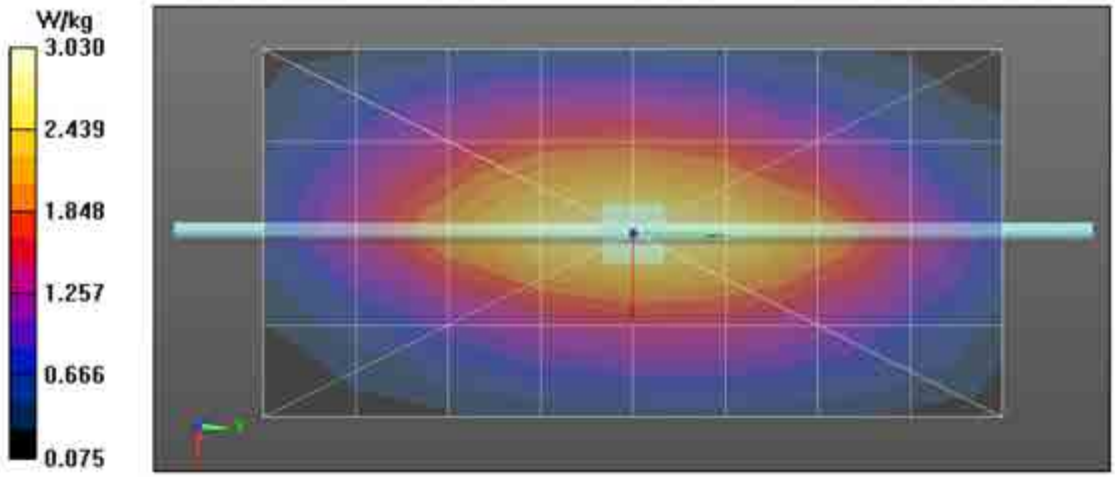
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.03 W/kg

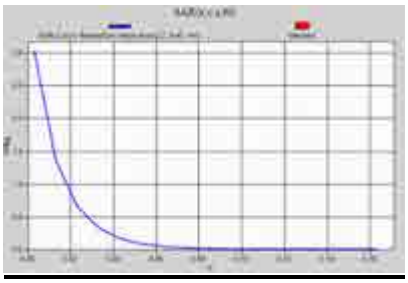
Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 56.19 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.84 W/kg
SAR(1 g) = 2.59 W/kg; SAR(10 g) = 1.68 W/kg (SAR corrected for target medium)

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

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





Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/26/2015 11:07:54 AM

Robot#: DASY5-FL-2 | Run#:	ErC-SYSP-1900B-150826-11
Dipole Model#	D1900V2
Phantom#:	Triple 1168-2
Tissue Temp:	21.7 (C)
Serial#:	521
Test Freq:	1900 (MHz)
Start Power:	100 (mW)
Rotation (1D):	0.078 dB
Adjusted SAR (1W):	39.40 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 1900 MHz; σ = 1.52 S/m; ε_r = 55.2; ρ = 1000 kg/m^3

Probe: ES3DV3 - SN3301, , Frequency: 1900 MHz, ConvF(4.83, 4.83, 4.83); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (9x5x1): Measurement

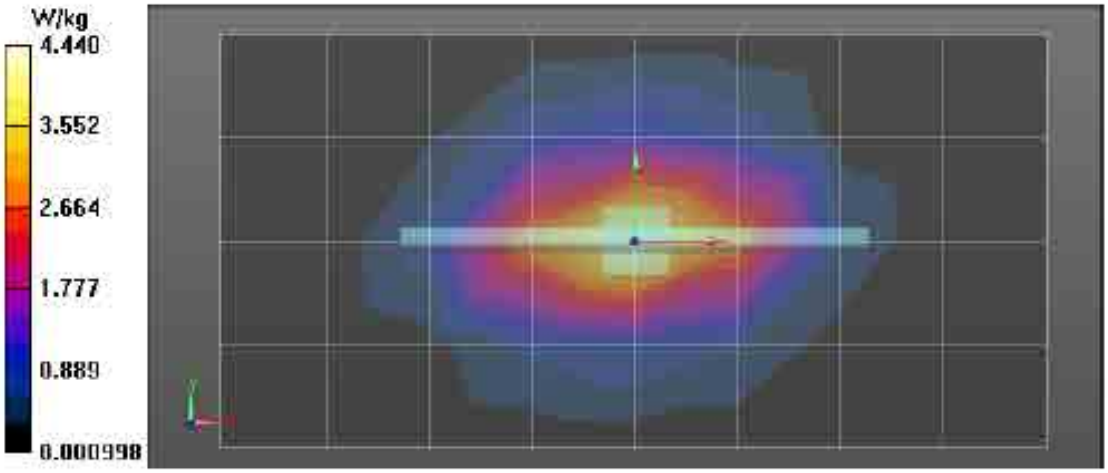
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.44 W/kg

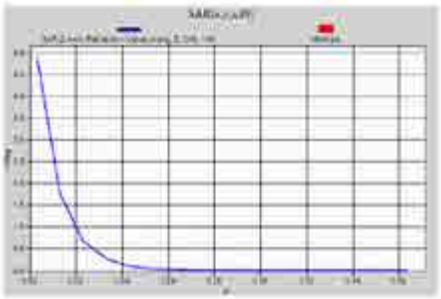
Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 59.17 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 6.68 W/kg
SAR(1 g) = 3.94 W/kg; SAR(10 g) = 2.08 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.90 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) = 4.92 W/kg





Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/27/2015 3:38:37 AM

Robot#: DASY5-FL-2 | Run#:	ErC-SYSP-1800B-150827-01
Dipole Model#	D1800V2
Phantom#:	Triple 1168-1
Tissue Temp:	22.5 (C)
Serial#:	278
Test Freq:	1800 (MHz)
Start Power:	100 (mW)
Rotation (1D):	0.019 dB
Adjusted SAR (1W):	39.60 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 1800 MHz; σ = 1.55 S/m; ε_r = 52.4; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 1800 MHz, ConvF(4.79, 4.79, 4.79); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (9x5x1): Measurement

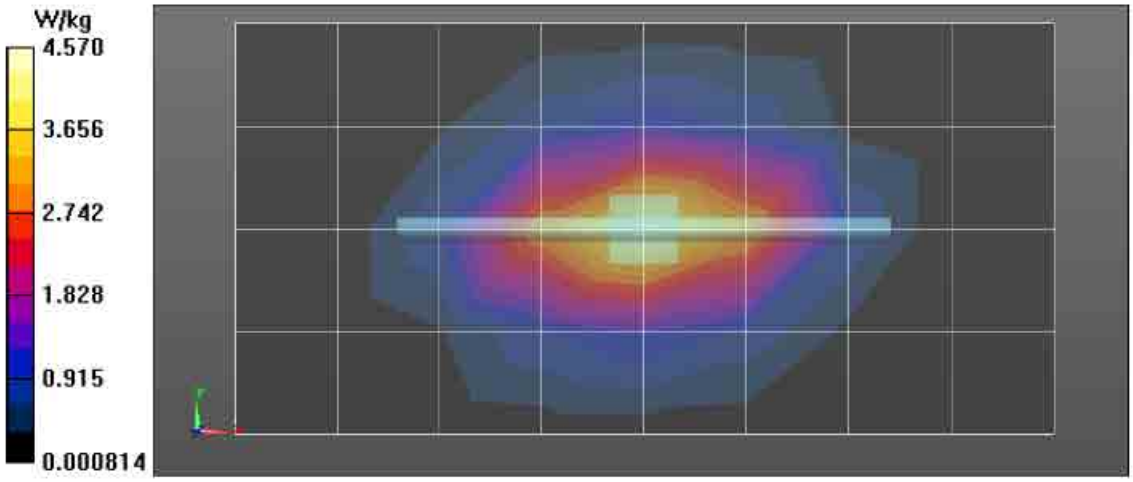
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.57 W/kg

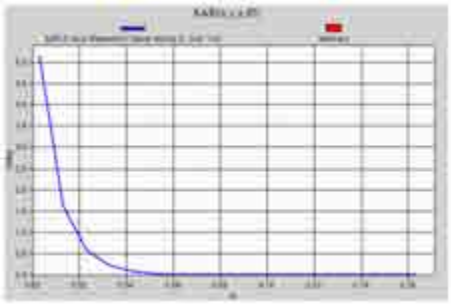
Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (6x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 59.49 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 7.32 W/kg
SAR(1 g) = 3.96 W/kg; SAR(10 g) = 2.06 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.09 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) = 5.15 W/kg





Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/28/2015 11:12:16 AM

Robot#: DASY5-FL-2 | Run#:	ErC-SYSP-900B-150828-14
Dipole Model#	D900V2
Phantom#:	OVAL1016
Tissue Temp:	21.5 (C)
Serial#:	085
Test Freq:	900 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.022 dB
Adjusted SAR (1W):	10.48 mW/g (1g)

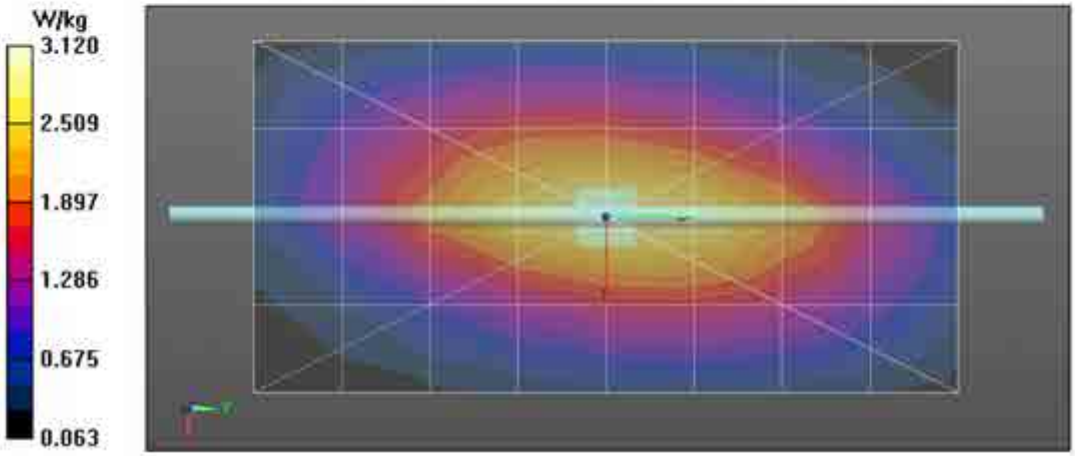
Comments:

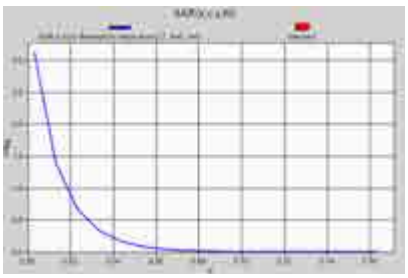
Duty Cycle: 1:1, Medium parameters used: f = 900 MHz; σ = 1.07 S/m; ε_r = 54.3; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 900 MHz, ConvF(6, 6, 6); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.12 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 = 55.90 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.96 W/kg
SAR(1 g) = 2.62 W/kg; SAR(10 g) = 1.7 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.11 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.13 W/kg





Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/17/2015 8:01:49 AM

Robot#: DASY5-FL-2 | Run#:	ErC-SYSP-900H-150717-10
Dipole Model#	D900V2
Phantom#:	SAMTP1209
Tissue Temp:	20.8 (C)
Serial#:	85
Test Freq:	900 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.014 dB
Adjusted SAR (1W):	10.44 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 900 MHz; σ = 0.99 S/m; ε_r = 39.8; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 900 MHz; ConvF(6.23, 6.23, 6.23); Calibrated: 9/24/2014
Electronics: DAE3 Sn363; Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement

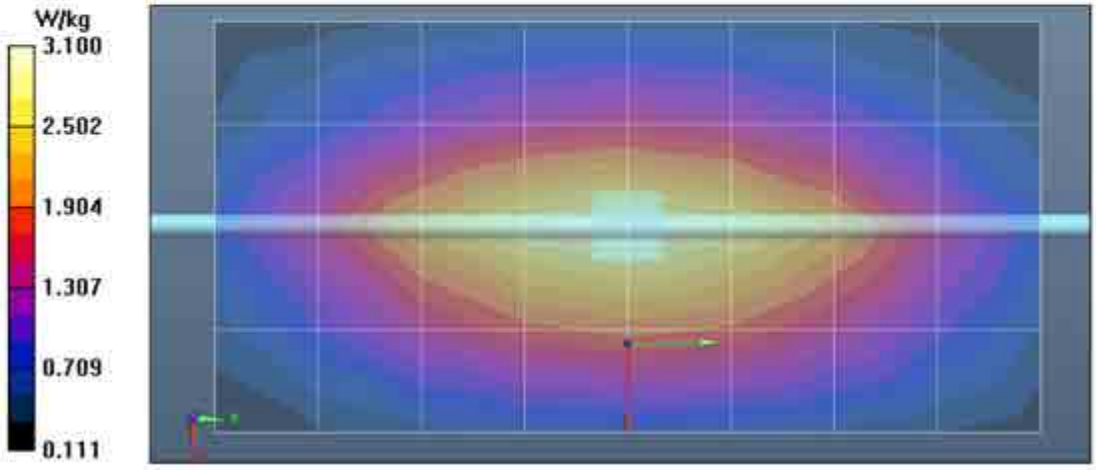
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.10 W/kg

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 57.86 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 4.00 W/kg
SAR(1 g) = 2.61 W/kg; SAR(10 g) = 1.69 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.14 W/kg

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

grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.16 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/20/2015 4:35:10 AM

Robot#: DASY5-FL-2 | Run#:	ErC-SYSP-900H-150720-01
Dipole Model#	D900V2
Phantom#:	SAMTP1209
Tissue Temp:	21.8 (C)
Serial#:	85
Test Freq:	900 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.021 dB
Adjusted SAR (1W):	10.24 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 900 MHz; σ = 0.97 S/m; ε_r = 39.9; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 900 MHz, ConvF(6.23, 6.23, 6.23); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement

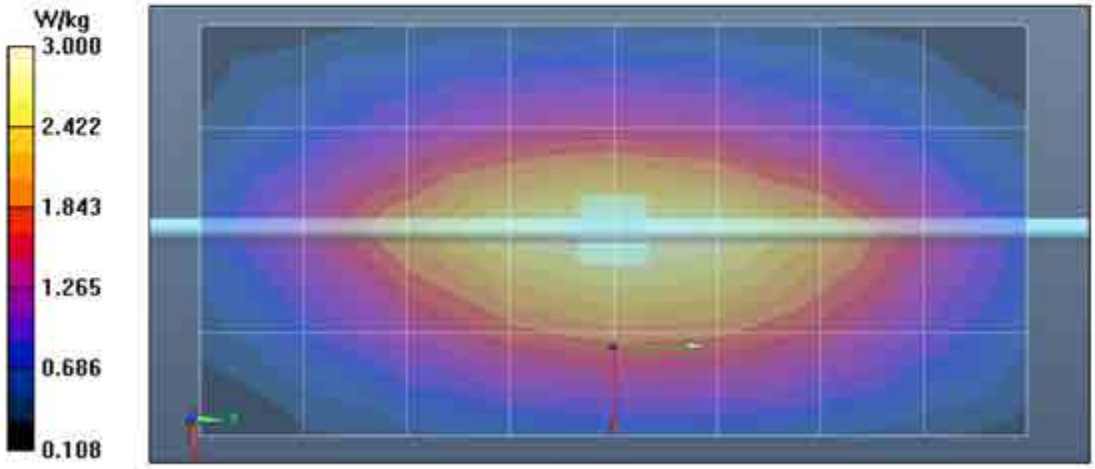
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.00 W/kg

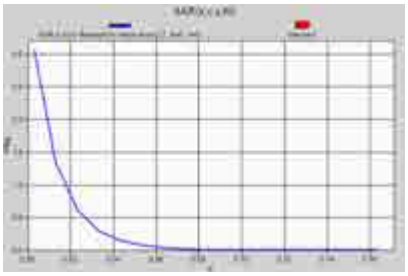
Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 57.71 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 3.90 W/kg
SAR(1 g) = 2.56 W/kg; SAR(10 g) = 1.65 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.04 W/kg

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

grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.06 W/kg





Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/21/2015 4:46:23 AM

Robot#: DASY5-FL-2 | Run#:	EtC-SYSP-1900B-150721-01
Dipole Model#	D1900V2
Phantom#:	Triple 1168-1
Tissue Temp:	21.7 (C)
Serial#:	521
Test Freq:	1900 (MHz)
Start Power:	100 (mW)
Rotation (1D):	0.02 dB
Adjusted SAR (1W):	38.80 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 1900 MHz; σ = 1.58 S/m; ε_r = 54.1; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 1900 MHz, ConvF(4.83, 4.83, 4.83); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (9x5x1): Measurement

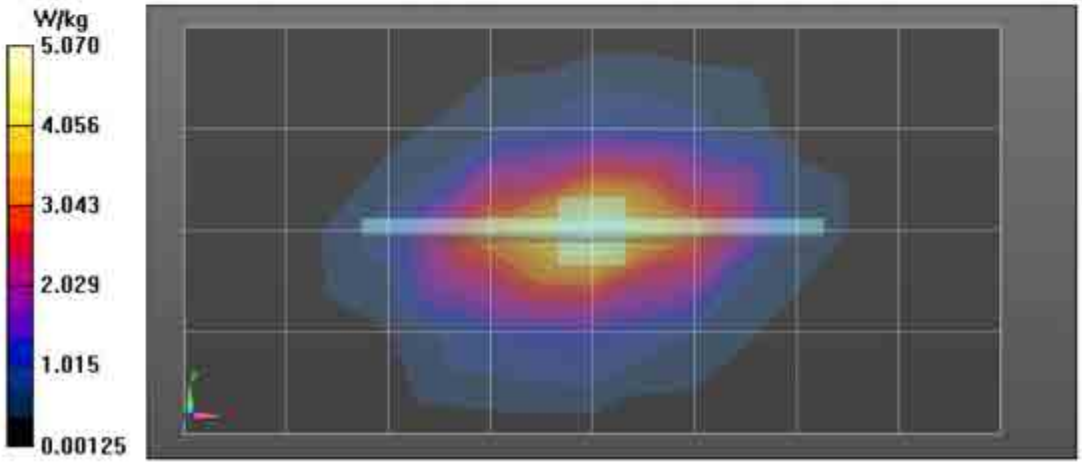
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.07 W/kg

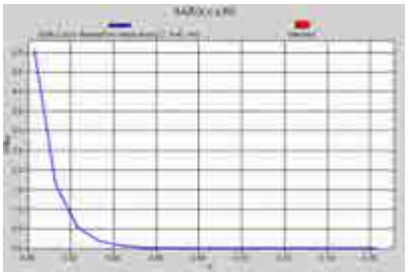
Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 59.13 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 7.12 W/kg
SAR(1 g) = 3.88 W/kg; SAR(10 g) = 2 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.98 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) = 5.06 W/kg





Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/21/2015 6:04:02 AM

Robot#: DASY5-FL-2 | Run#:	ErC-SYSP-1900H-150721-04
Dipole Model#	D1900V2
Phantom#:	SAMTP1208
Tissue Temp:	21.9 (C)
Serial#:	521
Test Freq:	1900 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.023 dB
Adjusted SAR (1W):	39.50 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 1900 MHz; σ = 1.35 S/m; ε_r = 39.5; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 1900 MHz, ConvF(4.87, 4.87, 4.87); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement

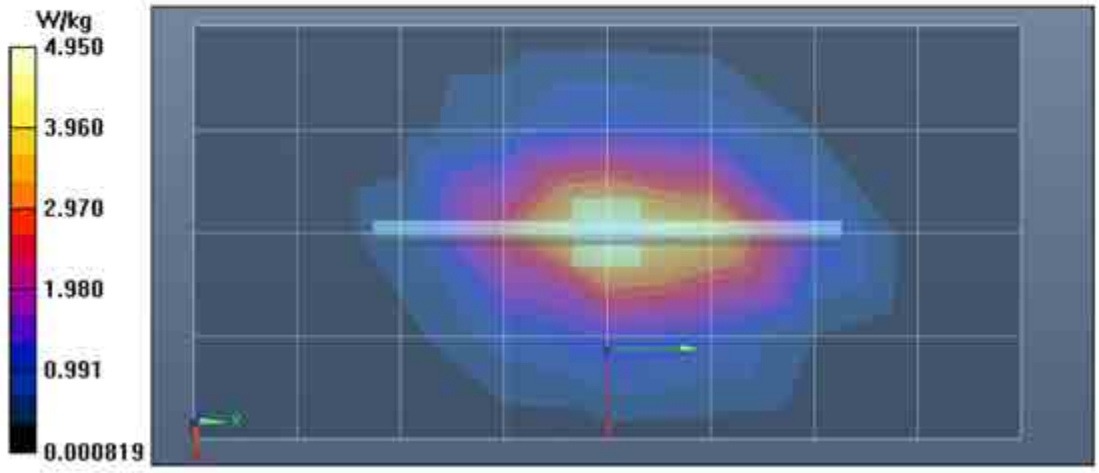
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.95 W/kg

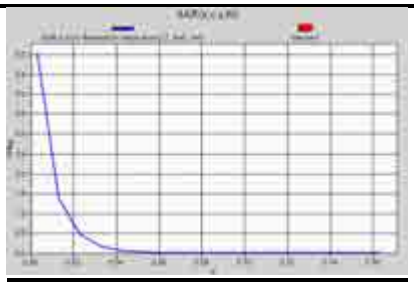
Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 63.18 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 7.88 W/kg
SAR(1 g) = 3.95 W/kg; SAR(10 g) = 1.96 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.90 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) = 5.03 W/kg





Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/27/2015 8:17:16 AM

Robot#: DASY5-FL-2 | Run#:	ErC-SYSP-1800H-150827-12
Dipole Model#	D1800V2
Phantom#:	SAMTP1208
Tissue Temp:	21.4 (C)
Serial#:	278
Test Freq:	1800 (MHz)
Start Power:	100 (mW)
Rotation (1D):	0.035 dB
Adjusted SAR (1W):	40.30 mW/g (1g)

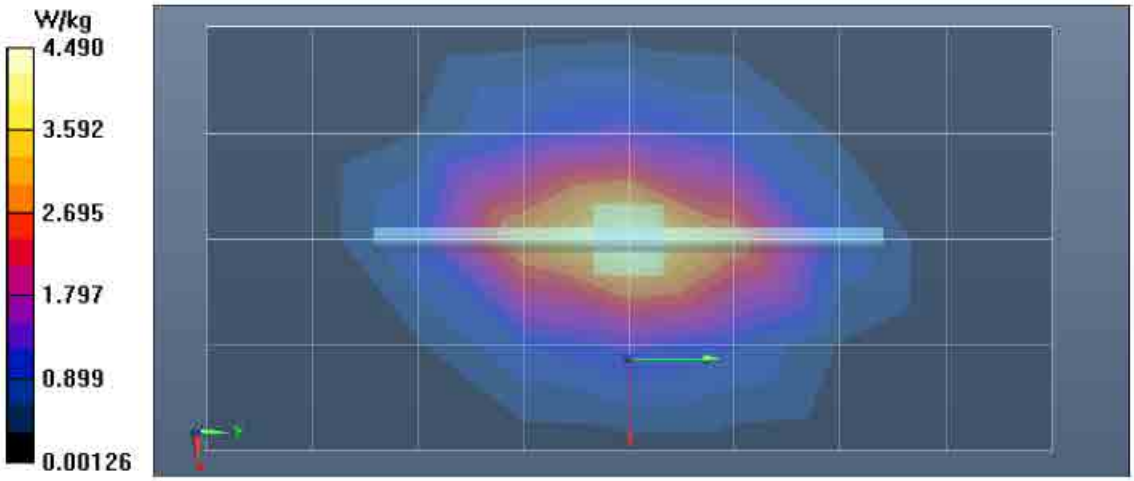
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 1800 MHz; σ = 1.38 S/m; ε_r = 40.7; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 1800 MHz, ConvF(5.04, 5.04, 5.04); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.49 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 = 62.32 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 7.27 W/kg
SAR(1 g) = 4.03 W/kg; SAR(10 g) = 2.1 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.97 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) = 5.09 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/28/2015 3:47:10 AM

Robot#: DASY5-FL-2 | Run#:	ErC-SYSP-1800H-150828-01
Dipole Model#	D1800V2
Phantom#:	SAMTP1208
Tissue Temp:	22.2 (C)
Serial#:	278
Test Freq:	1800 (MHz)
Start Power:	100 (mW)
Rotation (1D):	0.017 dB
Adjusted SAR (1W):	40.00 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 1800 MHz; σ = 1.4 S/m; ε_r = 40.6; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 1800 MHz, ConvF(5.04, 5.04, 5.04); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measureme

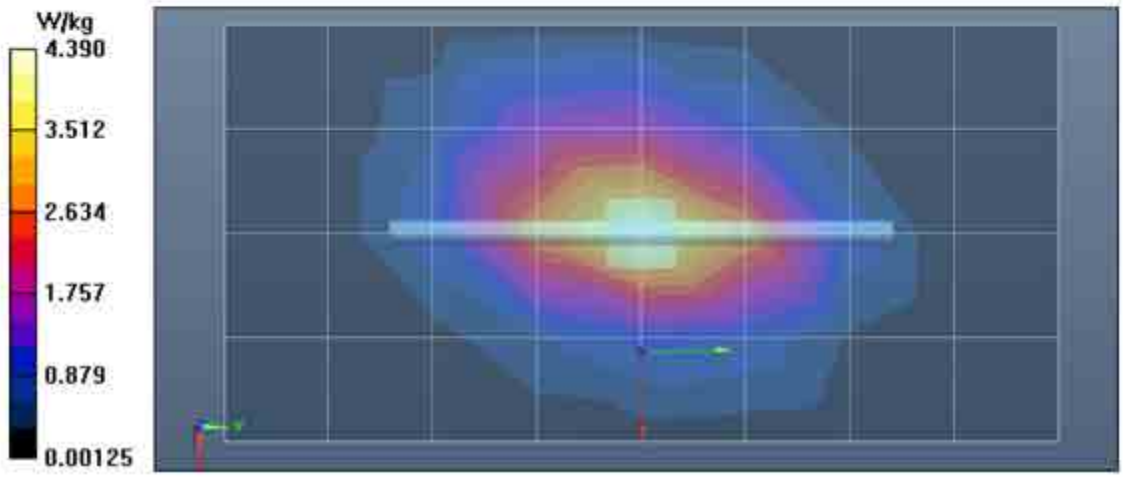
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.39 W/kg

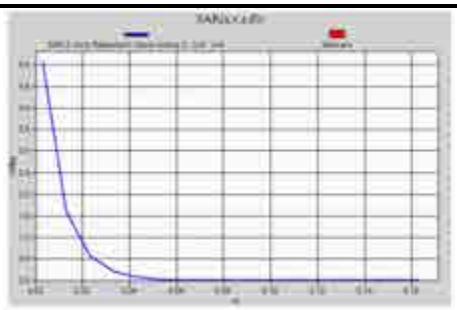
Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 62.19 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 7.27 W/kg
SAR(1 g) = 4 W/kg; SAR(10 g) = 2.09 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.02 W/kg

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

grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 5.07 W/kg





Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/28/2015 9:26:51 AM

Robot#: DASY5-FL-2 | Run#:	ErC-SYSP-1900H-150828-12
Dipole Model#	D1900V2
Phantom#:	SAMTP1208
Tissue Temp:	21.4 (C)
Serial#:	521
Test Freq:	1900 (MHz)
Start Power:	100 (mW)
Rotation (1D):	0.035 dB
Adjusted SAR (1W):	42.80 mW/g (1g)

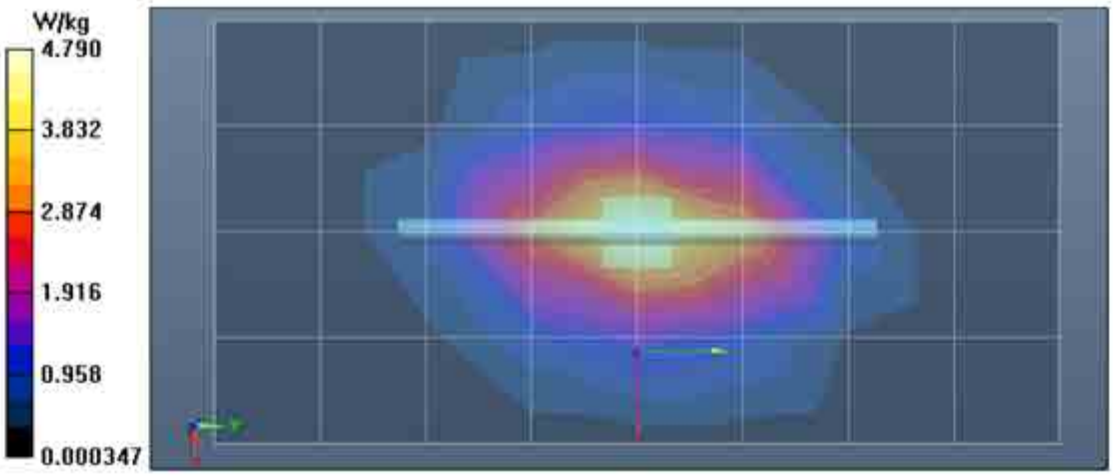
Comments:

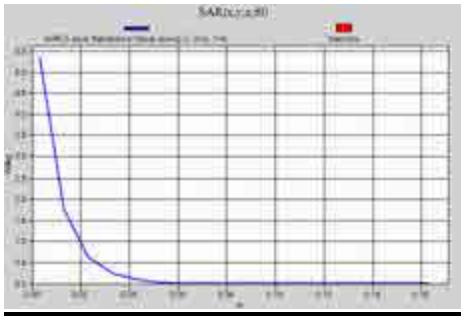
Duty Cycle: 1:1, Medium parameters used: f = 1900 MHz; σ = 1.37 S/m; ε_r = 39.8; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 1900 MHz, ConvF(4.87, 4.87, 4.87); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.79 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 = 64.81 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 7.62 W/kg
SAR(1 g) = 4.28 W/kg; SAR(10 g) = 2.23 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.33 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) = 5.37 W/kg





G.11 DUT Data

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/21/2015 10:25:25 AM

Robot#: DASY5-FL-2 | Run#:	ErC-Ab-150721-14
Model#:	LEX10I
Phantom#:	Triple 1168-1
Tissue Temp:	21.8 (C)
Serial#:	171PRJ0703
Antenna:	Ant 1
Test Freq:	1950 (MHz)
Battery:	Standard PMNN4472B
Carry Acc:	HKLN4618A Rev 1 Leather Holster - Back Facing Phantom
Audio Acc:	None
Start Power:	.2234 (W)

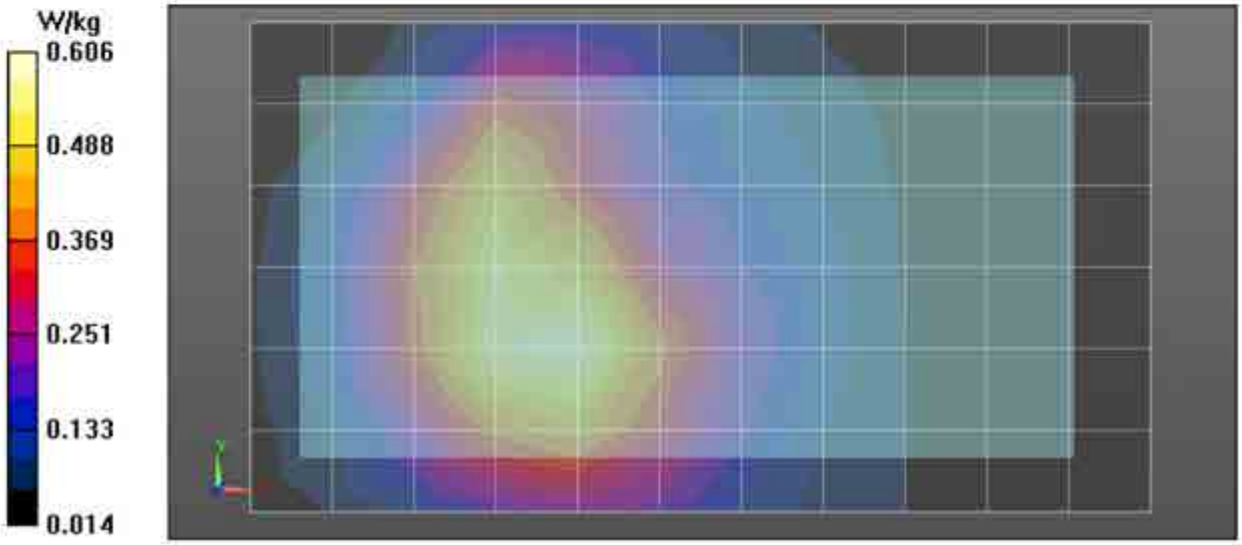
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 1950 MHz; σ = 1.57 S/m; ε_r = 55.6; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 1950 MHz, ConvF(4.83, 4.83, 4.83); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (12x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.606 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 = 16.43 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.825 W/kg
SAR(1 g) = 0.535 W/kg; SAR(10 g) = 0.336 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.633 W/kg

Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.636 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/21/2015 11:22:26 AM

Robot#: DASY5-FL-2 | Run#: ErC-Ab-150721-17
Model#: LEX10I
Phantom#: Triple 1168-1
Tissue Temp: 21.7 (C)
Serial#: 171PRJ0703
Antenna: Ant 1
Test Freq: 1950 (MHz)
Battery: Standard PMNN4472B
Carry Acc: Front of DUT @ 1cm
Audio Acc: None
Start Power: .2234 (W)

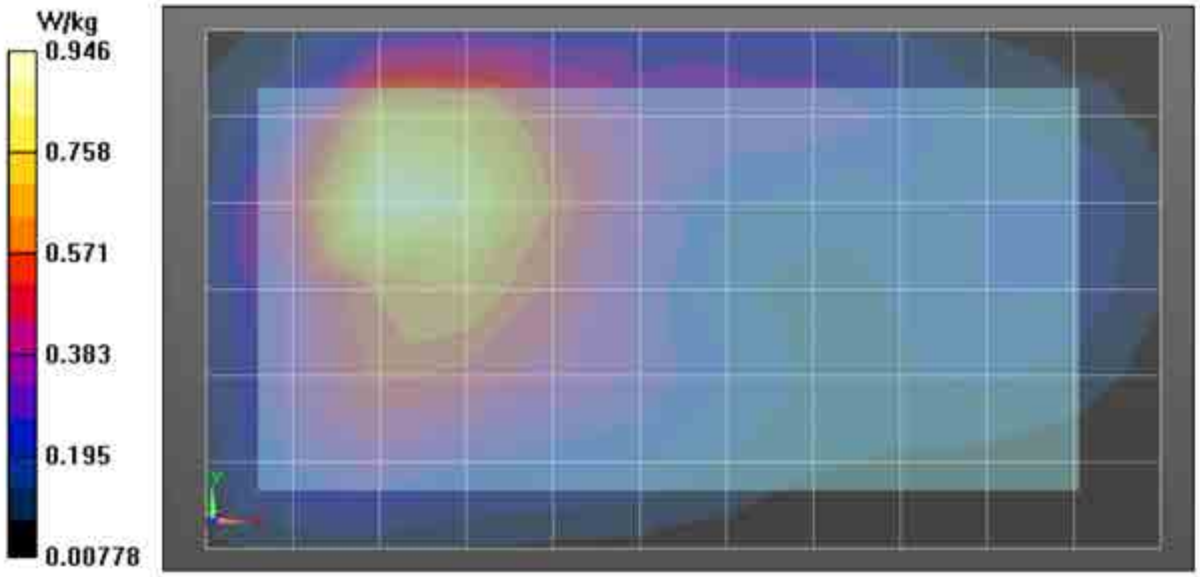
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 1950 MHz; σ = 1.57 S/m; ε_r = 55.6; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 1950 MHz, ConvF(4.83, 4.83, 4.83); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (12x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.946 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 = 17.18 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.829 W/kg; SAR(10 g) = 0.509 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.986 W/kg

Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.996 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/21/2015 8:04:34 AM

Robot#: DASY5-FL-2 | Run#: ErC-Rear-150721-08
Model#: LEX10I
Phantom#: SAMTP1208
Tissue Temp: 21.4 (C)
Serial#: 171PRJ0703
Antenna: Ant 1
Test Freq: 1950 (MHz)
Battery: Standard PMNN4472B
Carry Acc: Touch
Audio Acc: None
Start Power: .2234 (W)

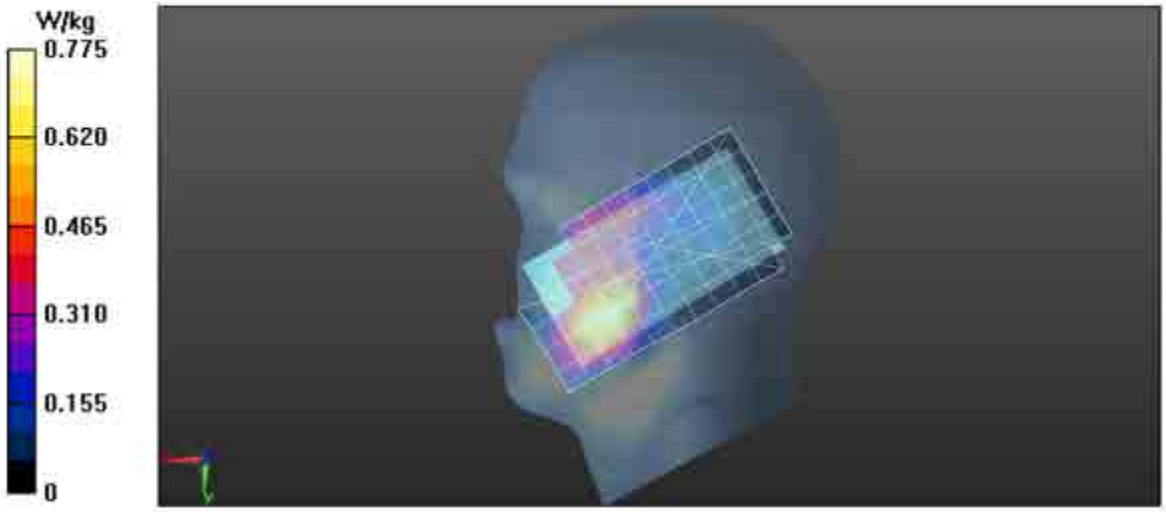
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 1950 MHz; σ = 1.4 S/m; ε_r = 39.5; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 1950 MHz, ConvF(4.87, 4.87, 4.87); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Right Ear-Touch Position/1-Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.775 W/kg

Below 2 GHz-Rev.2/Right Ear-Touch Position/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.40 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.418 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.739 W/kg

Below 2 GHz-Rev.2/Right Ear-Touch Position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.833 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/26/2015 8:14:04 AM

Robot#: DASY5-FL-2 | Run#:	ErC-Ab-150826-04
Model#:	LEX10I
Phantom#:	Triple 1168-2
Tissue Temp:	21.8 (C)
Serial#:	171PRJ0703
Antenna:	Ant 1
Test Freq:	1880 (MHz)
Battery:	Standard PMNN4472B
Carry Acc:	HKLN4618A Rev 1 Leather Holster - Back Facing Phantom
Audio Acc:	None
Start Power:	.236 (W)

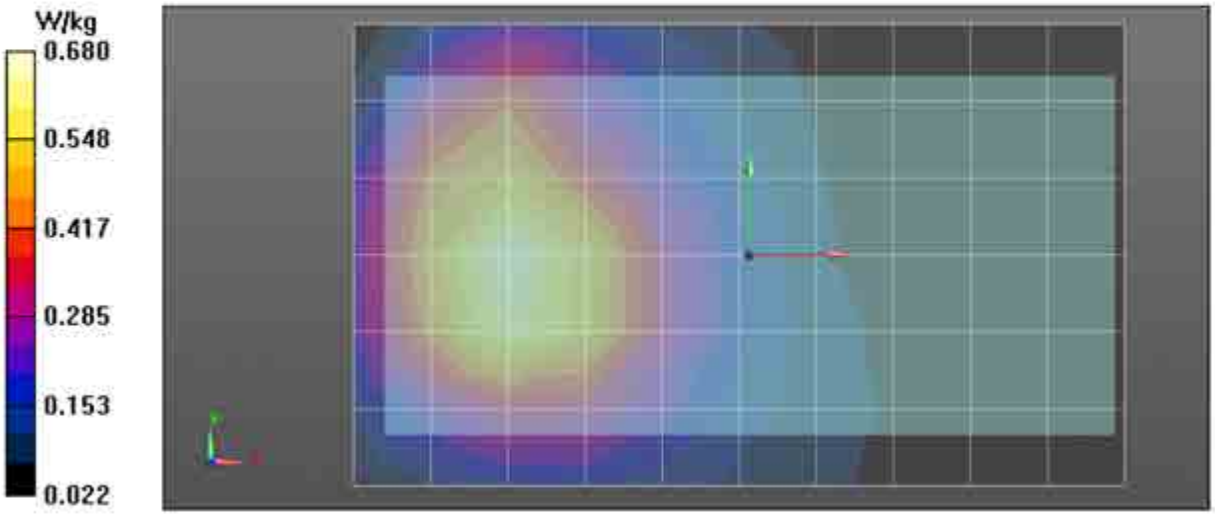
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 1880 MHz, σ = 1.49 S/m, ε_r = 55.2, ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 1880 MHz, ConvF(4.79, 4.79, 4.79); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (11x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.680 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 = 22.16 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.901 W/kg
SAR(1 g) = 0.614 W/kg; SAR(10 g) = 0.396 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.703 W/kg

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



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/26/2015 9:41:55 AM

Robot#: DASY5-FL-2 | Run#:	ErC-Ab-150826-07
Model#:	LEX10I
Phantom#:	Triple 1168-2
Tissue Temp:	21.7 (C)
Serial#:	171PRJ0703
Antenna:	Ant 1
Test Freq:	1880 (MHz)
Battery:	Standard PMNN4472B
Carry Acc:	Front of DUT @ 1cm
Audio Acc:	None
Start Power:	.236 (W)

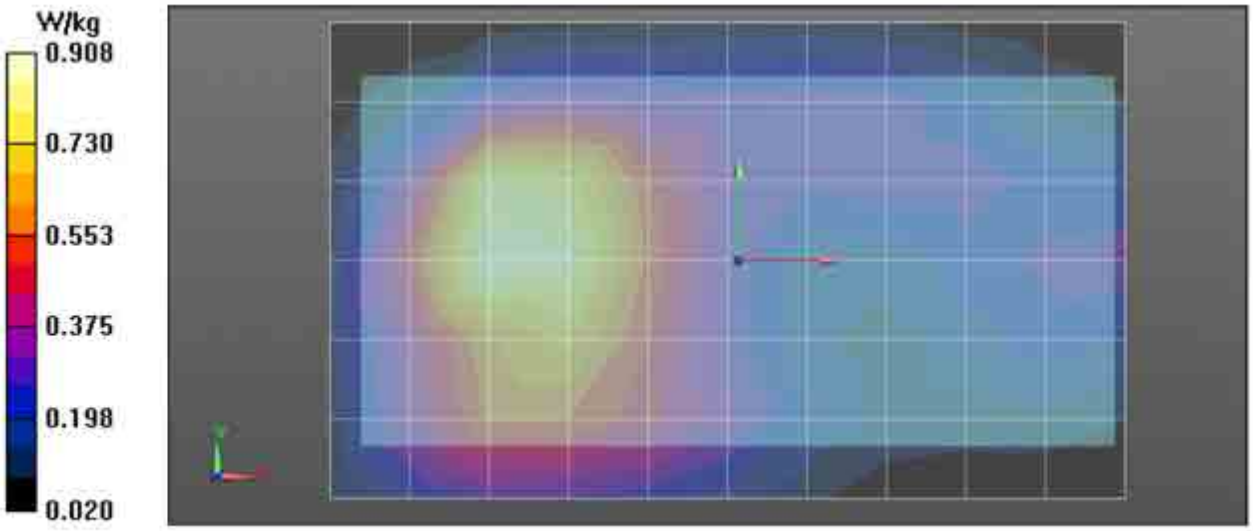
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 1880 MHz; σ = 1.49 S/m; ε_r = 55.2; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 1880 MHz, ConvF(4.79, 4.79, 4.79); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (11x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.908 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 = 25.97 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.32 W/kg
SAR(1 g) = 0.886 W/kg; SAR(10 g) = 0.566 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.01 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) = 1.02 W/kg



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Date/Time: 8/27/2015 10:10:14 AM

Robot#: DASY5-FL-2 | Run#:	ErC-Lear-150827-17
Model#:	LEX 10I
Phantom#:	SAMTP1208
Tissue Temp:	21.3 (C)
Serial#:	171PRJ0703
Antenna:	Ant 1
Test Freq:	1852.4 (MHz)
Battery:	Standard PMNN4472B
Carry Acc:	Touch
Audio Acc:	None
Start Power:	.233 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 1852 MHz; σ = 1.43 S/m; ε_r = 40.4; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 1852.4 MHz, ConvF(5.04, 5.04, 5.04); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Left Ear-Touch position/1-Area Scan (7x12x1): Measurement grid:

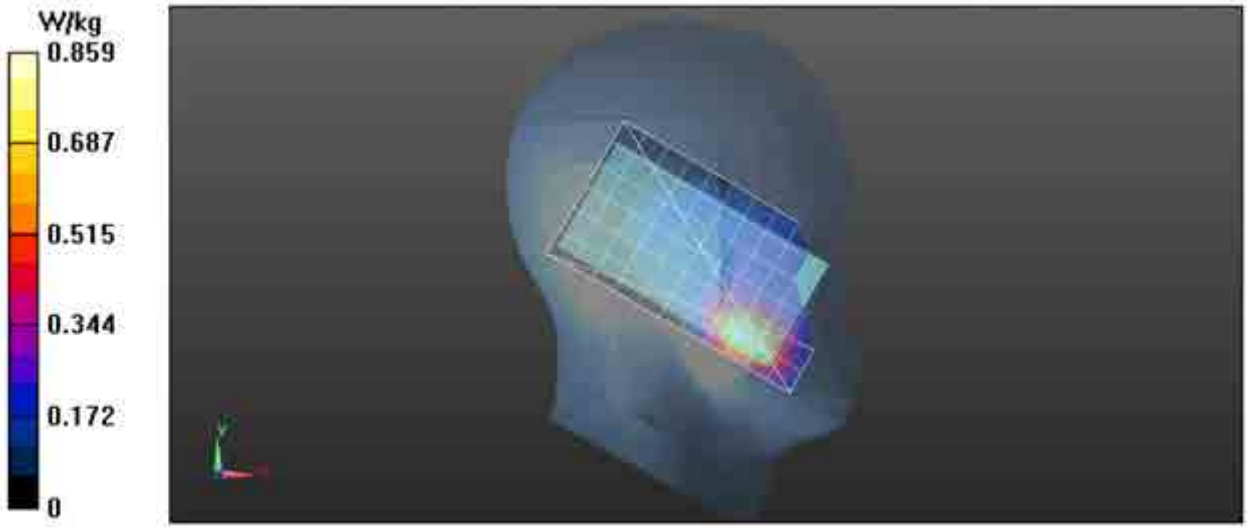
dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.859 W/kg

Below 2 GHz-Rev.2/Left Ear-Touch position/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.97 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.795 W/kg; SAR(10 g) = 0.493 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.850 W/kg

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

dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.948 W/kg



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Date/Time: 8/27/2015 4:50:25 AM

Robot#: DASY5-FL-2 | Run#: ErC-Ab-150827-04
Model#: LEX10I
Phantom#: Triple 1168-1
Tissue Temp: 22.5 (C)
Serial#: 171PRJ0703
Antenna: Ant 1
Test Freq: 1712.4 (MHz)
Battery: Extended PMNN4475B
Carry Acc: HKLN4618A Rev 1 Leather Holster - Front Facing Phantom
Audio Acc: None
Start Power: .232 (W)

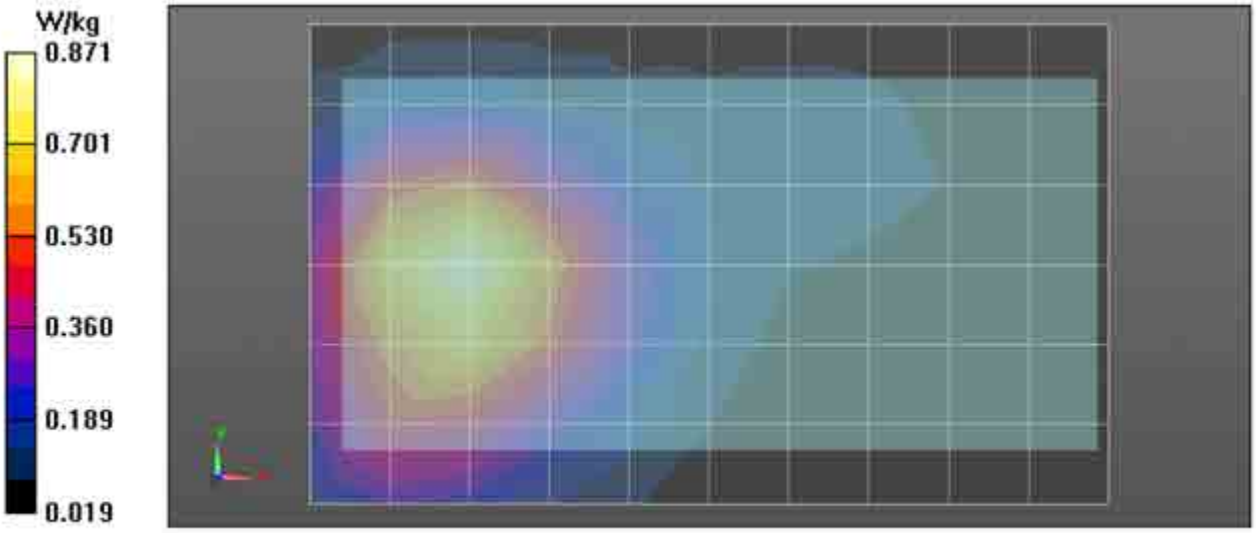
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 1712 MHz; σ = 1.48 S/m; ε_r = 52.7; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 1712.4 MHz, ConvF(4.79, 4.79, 4.79); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (11x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.871 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 = 24.99 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.754 W/kg; SAR(10 g) = 0.471 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.888 W/kg

Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.897 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/27/2015 6:23:27 AM

Robot#: DASY5-FL-2 | Run#: ErC-Ab-150827-09
Model#: LEX10I
Phantom#: Triple 1168-1
Tissue Temp: 22.1 (C)
Serial#: 171PRJ0703
Antenna: Ant 1
Test Freq: 1712.4 (MHz)
Battery: Extended PMNN4475B
Carry Acc: Front of DUT @ 1cm
Audio Acc: None
Start Power: .232 (W)

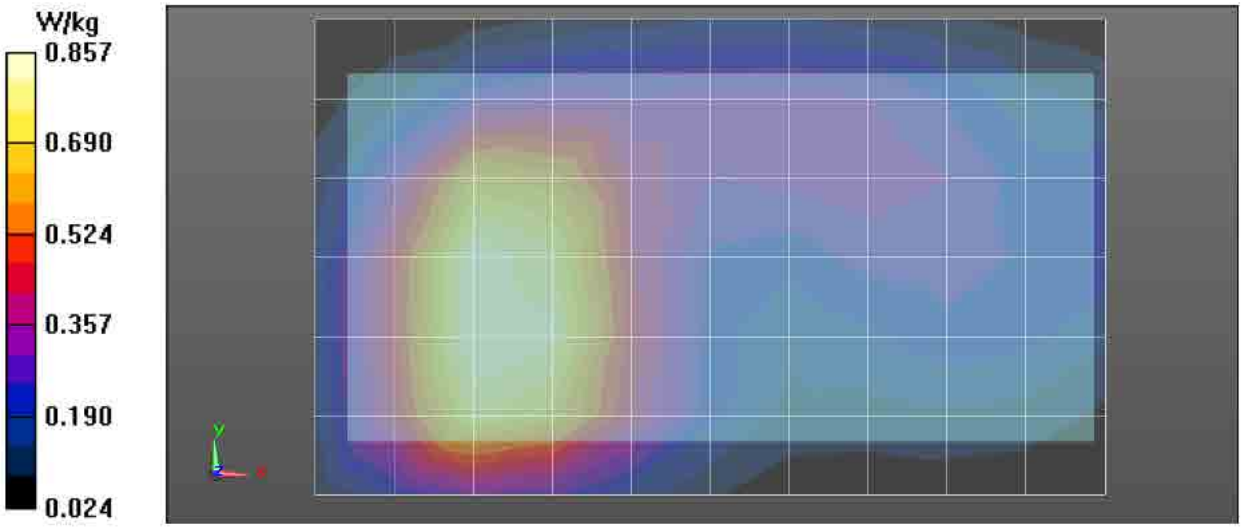
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 1712 MHz; σ = 1.48 S/m; ε_r = 52.7; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 1712.4 MHz, ConvF(4.79, 4.79, 4.79); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (11x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.857 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 = 24.97 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.778 W/kg; SAR(10 g) = 0.494 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.919 W/kg

Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.927 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/28/2015 5:09:08 AM

Robot#: DASY5-FL-2 | Run#:	ErC-Lear-150828-04
Model#:	LEX 10I
Phantom#:	SAMTP1208
Tissue Temp:	22.2 (C)
Serial#:	171PRJ0703
Antenna:	Ant 1
Test Freq:	1712.4 (MHz)
Battery:	Standard PMNN4472B
Carry Acc:	Touch
Audio Acc:	None
Start Power:	.232 (W)

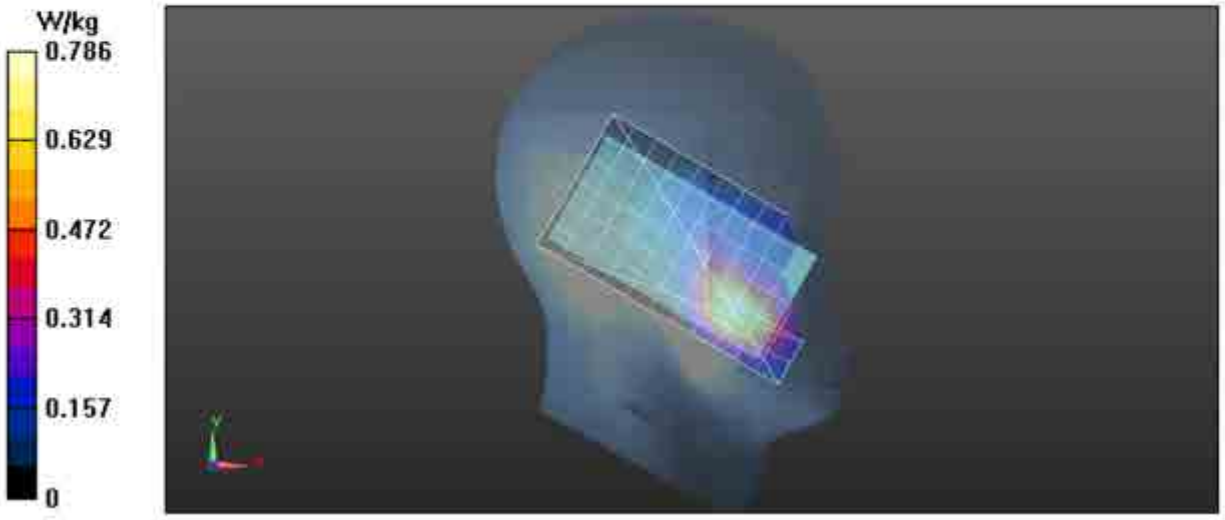
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 1712 MHz; σ = 1.3 S/m; ε_r = 41; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 1712.4 MHz, ConvF(5.04, 5.04, 5.04); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Left Ear-Touch position/1-Area Scan (7x12x1): Measurement grid:
dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.786 W/kg

Below 2 GHz-Rev.2/Left Ear-Touch position/Zoom Scan (6x6x7)/Cube 0: Measurement grid:
dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 16.50 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.831 W/kg; SAR(10 g) = 0.501 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.863 W/kg

Below 2 GHz-Rev.2/Left Ear-Touch position/4-Z-Axis Scan (1x1x17): Measurement grid:
dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.938 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/16/2015 9:19:30 AM

Robot#: DASY5-FL-2 | Run#:	ErC-Ab-150716-02
Model#:	LEX10I
Phantom#:	OVAL1016
Tissue Temp:	20.9 (C)
Serial#:	171PRJ0703
Antenna:	Ant 2
Test Freq:	836.6 (MHz)
Battery:	Standard PMNN4472B
Carry Acc:	HKLN4618A Rev 1 Leather Holster - Back Facing Phantom
Audio Acc:	None
Start Power:	.2153 (W)

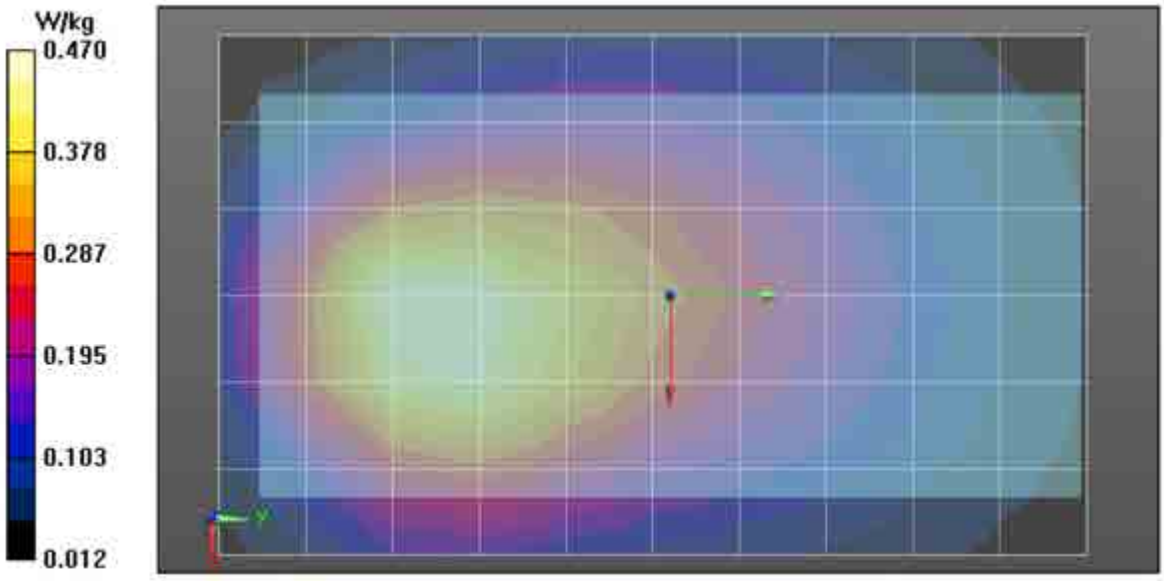
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 837 MHz; σ = 0.98 S/m; ε_r = 53.8; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 836.6 MHz, ConvF(6, 6, 6); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.470 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 21.95 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.606 W/kg
SAR(1 g) = 0.444 W/kg; SAR(10 g) = 0.311 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.502 W/kg

Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.512 W/kg



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Date/Time: 7/16/2015 10:27:53 AM

Robot#: DASY5-FL-2 | Run#:	ErC-Ab-150716-05
Model#:	LEX10I
Phantom#:	OVAL1016
Tissue Temp:	20.9 (C)
Serial#:	171PRJ0703
Antenna:	Ant 2
Test Freq:	836.6 (MHz)
Battery:	Standard PMNN4472B
Carry Acc:	Back of DUT @ 1cm
Audio Acc:	None
Start Power:	.2153 (W)

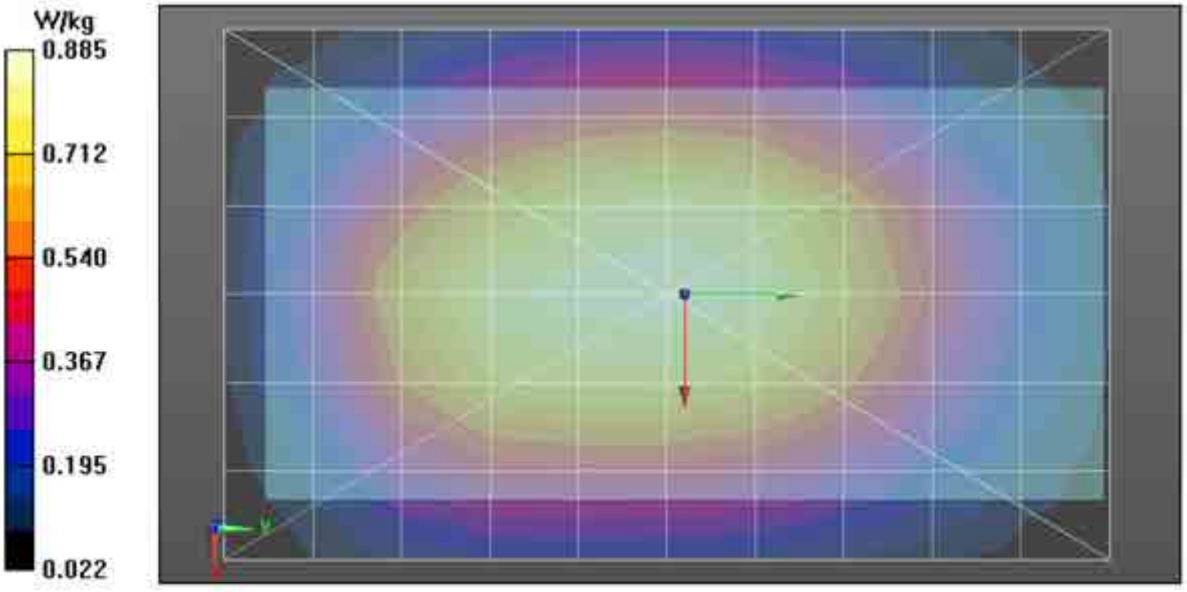
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 837 MHz; σ = 0.98 S/m; ε_r = 53.8; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 836.6 MHz, ConvF(6, 6, 6); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.885 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 = 30.53 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.813 W/kg; SAR(10 g) = 0.610 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.901 W/kg

Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.905 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/17/2015 10:48:47 AM

Robot#: DASY5-FL-2 | Run#: ErC-Rear-150717-18
Model#: LEX10I
Phantom#: SAMTP1209
Tissue Temp: 20.5 (C)
Serial#: 171PRJ0703
Antenna: Ant 2
Test Freq: 836.6 (MHz)
Battery: Standard PMNN4472B
Carry Acc: Touch
Audio Acc: None
Start Power: .2153 (W)

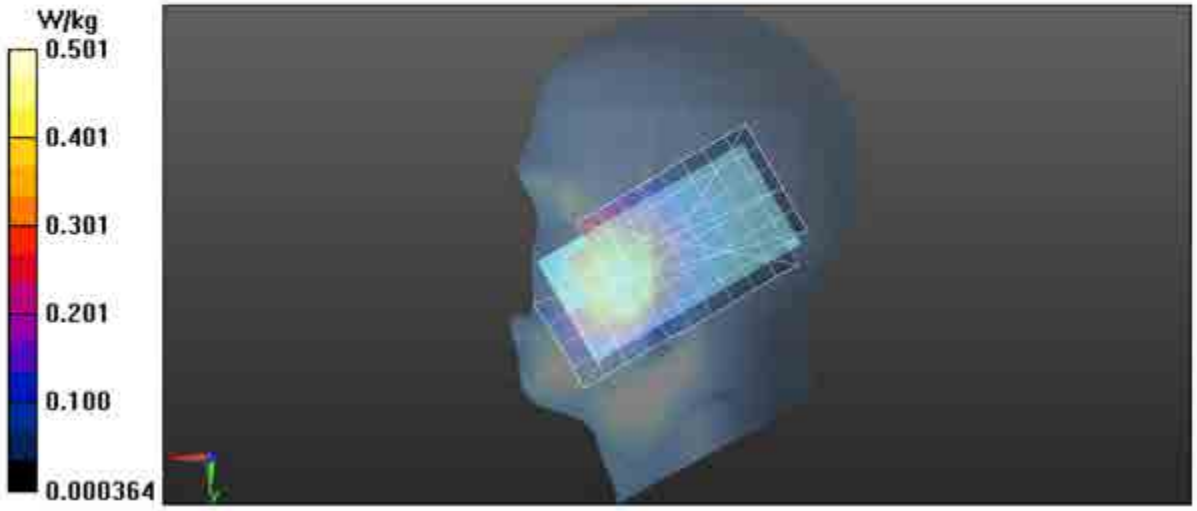
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 837 MHz; σ = 0.93 S/m; ε_r = 40.6; ρ = 1000 kg/m^5
Probe: ES3DV3 - SN3301, , Frequency: 836.6 MHz, ConvF(6.23, 6.23, 6.23); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Right Ear-Touch Position/1-Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.494 W/kg

Below 2 GHz-Rev.2/Right Ear-Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.73 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.565 W/kg
SAR(1 g) = 0.466 W/kg; SAR(10 g) = 0.359 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.485 W/kg

Below 2 GHz-Rev.2/Right Ear-Touch Position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.501 W/kg



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Date/Time: 7/17/2015 5:13:09 AM

Robot#: DASY5-FL-2 | Run#:	ErC-Ab-150717-02
Model#:	LEX10I
Phantom#:	OVAL1016
Tissue Temp:	21.6 (C)
Serial#:	171PRJ0703
Antenna:	Ant 2
Test Freq:	897.6 (MHz)
Battery:	Standard PMNN4472B
Carry Acc:	HKLN4618A Rev 1 Leather Holster - Back Facing Phantom
Audio Acc:	None
Start Power:	.2153 (W)

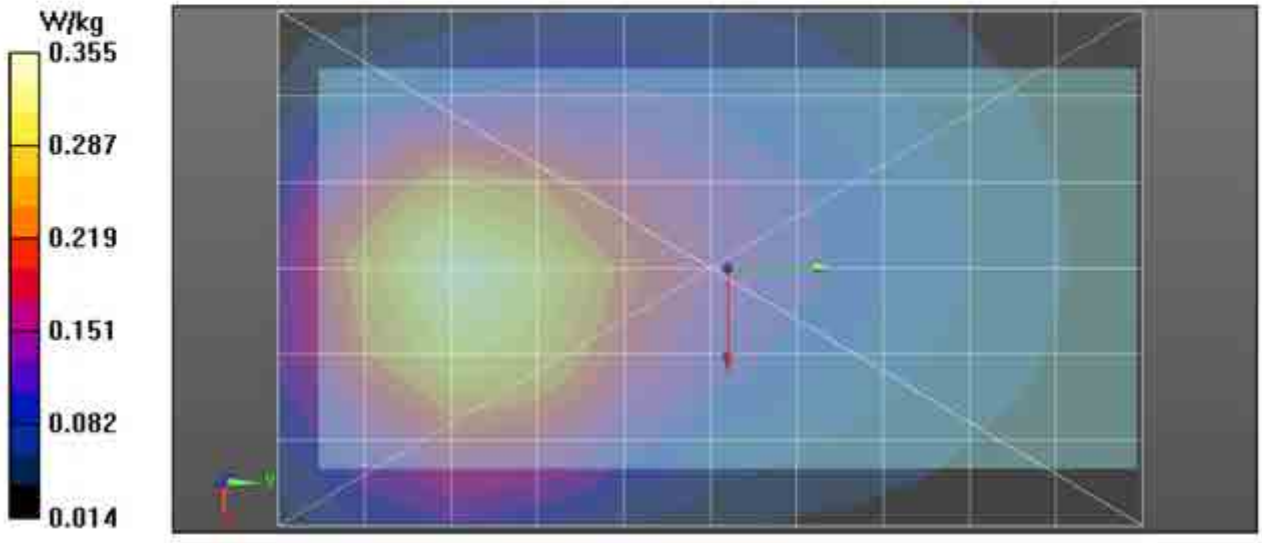
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 898 MHz; σ = 1.02 S/m; ε_r = 53; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 897.6 MHz, ConvF(6, 6, 6); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.355 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 = 19.34 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.435 W/kg
SAR(1 g) = 0.311 W/kg; SAR(10 g) = 0.210 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) = 0.353 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/17/2015 6:16:55 AM

Robot#: DASY5-FL-2 | Run#:	ErC-Ab-150717-05
Model#:	LEX10I
Phantom#:	OVAL1016
Tissue Temp:	21.6 (C)
Serial#:	171PRJ0703
Antenna:	Ant 2
Test Freq:	897.6 (MHz)
Battery:	Standard PMNN4472B
Carry Acc:	Back of DUT @ 1cm
Audio Acc:	None
Start Power:	.2153 (W)

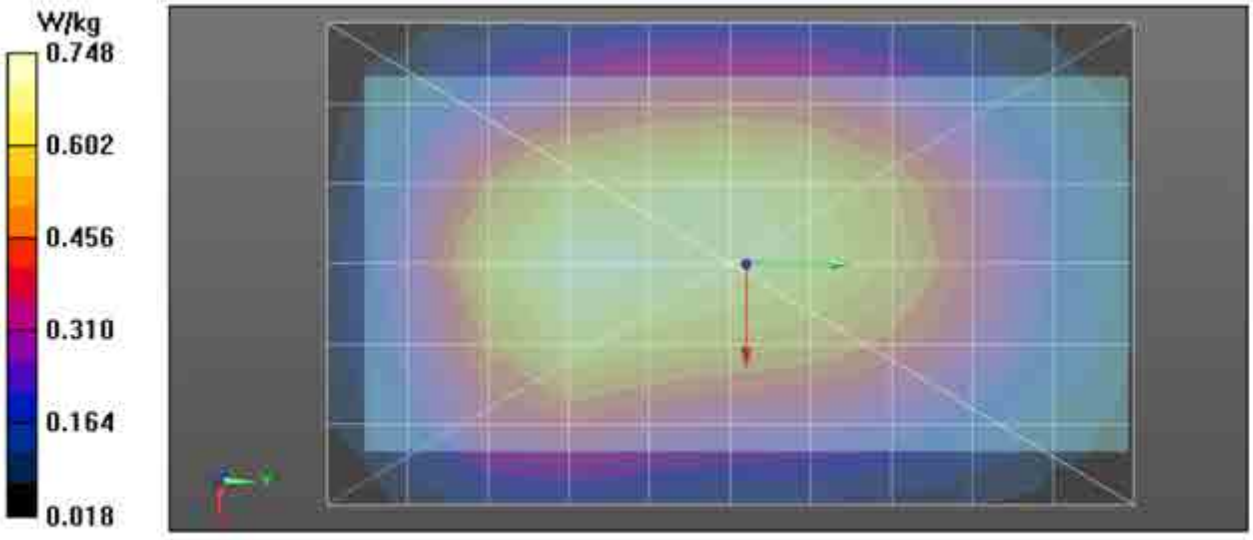
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 898 MHz; σ = 1.02 S/m; ε_r = 53; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 897.6 MHz, ConvF(6, 6, 6); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.748 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 = 26.36 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.893 W/kg
SAR(1 g) = 0.673 W/kg; SAR(10 g) = 0.489 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.746 W/kg

Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.735 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/17/2015 8:49:35 AM

Robot#: DASY5-FL-2 | Run#:	ErC-Rear-150717-12
Model#:	LEX10I
Phantom#:	SAMTP1209
Tissue Temp:	20.8 (C)
Serial#:	171PRJ0703
Antenna:	Ant 2
Test Freq:	897.6 (MHz)
Battery:	Standard PMNN4472B
Carry Acc:	Touch
Audio Acc:	None
Start Power:	.2153 (W)

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 898 MHz; σ = 0.99 S/m; ε_r = 39.8; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3301, , Frequency: 897.6 MHz, ConvF(6.23, 6.23, 6.23); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Right Ear-Touch Position/1-Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.559 W/kg

Below 2 GHz-Rev.2/Right Ear-Touch Position/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 21.75 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.642 W/kg
SAR(1 g) = 0.495 W/kg; SAR(10 g) = 0.370 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.517 W/kg

Below 2 GHz-Rev.2/Right Ear-Touch Position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.540 W/kg