MOTOROLA SOLUTIONS

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TESTING CERT # 2518.01

DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 4 of 5

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Date of Report: **11/01/2012**
Report Revision: **D**
Report ID: **SR10523 LEX 700 Rev D 110112**

Responsible Engineer:	Stephen Whalen (Principal Staff Engineer)
Report Author:	Stephen Whalen (Principal Staff Engineer)
Date/s Tested:	5/09/2012 – 6/13/2012; 7/25-26/2012
Manufacturer/Location:	Motorola Solutions, Inc./One Motorola Plaza, Holtsville NY 11742-1300, USA
Sector/Group/Div.:	MSI
Date submitted for test:	04/05/2012
DUT Description:	The LEX 700 Mission Critical Handheld includes the following connectivity options to the field: " Band 14 Public Safety LTE " Band 13 Verizon Wireless LTE " CDMA2000: CDMA 1x, CDMA 1x EVDO (Rev0, RevA)" 802.11 a/b/g/n Wi-Fi " Mission Critical Wireless and Bluetooth Personal Area Network" Mobile VPN with prioritization.
Test TX mode(s):	WLAN 802.11a/b/g/n, CDMA/EVDO and LTE
Max. Power output:	Refer to Section 6 of Part 1 of Report
Nominal Power:	Refer to Section 6 of Part 1 of Report
Tx Frequency Bands:	LTE B13: 777-787MHz; LTE B14: 788-798MHz; CDMA (BC0): 824-849MHz, CDMA (BC1): 1850-1910MHz;EVDO (BC0): 824-849MHz, EVDO (BC1): 1850-1910MHz; BT:2402-2480MHz; WLAN802.11 b/g/n:2412-2462MHz, ;WLAN802.11a/n: 5.15-5.25 GHz; 5.25-5.35 GHz; 5.47-5.725 GHz and 5.725-5.85 GHz
Signaling type:	LTE-FDD (QPSK & 16 QAM); CDMA2000: CDMA 1x, CDMA 1x EVDO (Rev0, RevA) GMSK modulation; Bluetooth FHSS; WLAN (802.11 a/b/g/n), OFDM & DSSS
Model(s) Tested:	LEX 700
Model(s) Certified:	LEX 700
Serial Number(s):	12053522500135; 12053522500224; 12053522500102; 12053522500227
Classification:	General Population/Uncontrolled Environment
FCC ID:	UZ7LEX700; Rule parts 15, 90, 22, 27 & 24
IC:	109AN-LEX700

* Refer to section 15 of part 1 for highest SAR summary results.

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 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

Deanna Zakharia
EMS EME Lab Senior Resource Manager,
Laboratory Director
Approval Date: 11/01/2012

Certification Date: 8/01/2012

Certification No.: L1120801P

Appendix G
LTE B13 and B14 Testing

This appendix includes the following SAR Measurement System Verification / DUT Test Methodology / DUT Test Data / System Performance Scans / DUT Scans / and Power Slump Data for model LEX700 – LTE (B13 & B14).

G.1 SAR Measurement System Verification

The SAR measurements were conducted with probe model/serial number ES3DV3/3147. System performance checks are conducted daily and within 24 hours of testing. Probe and dipole calibration certificates and dipole targets are included in appendices B, C, D respectively. System performance checks are included in this appendix for LTE (B13 & B14) testing.

System validation results and dipole targets are provided in Appendix D. The EMS EME lab validated the dipole to the applicable IEEE 1528-2003 system performance targets. Within the same day system validation was performed using FCC body tissue parameters to generate the system performance target values for body at the applicable frequency.

G.1.1 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.1

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
Simulated Tissue Measurements for LTE B13 & B14 testing						
782	FCC Body	.97 (.92 – 1.02)	55.4 (52.6 – 58.2)	.92	54.3	6/2/2012
793	FCC Body	.97 (.92 – 1.02)	55.4 (52.6 – 58.1)	.93	54.1	6/2/2012
				.94	54.9	6/3/2012
835	FCC Body	.97 (.92 – 1.02)	55.2 (52.4 – 58.0)	.93	53.2	6/2/2012
				.98	54.6	6/3/2012
782	IEEE /IEC Head	.90 (.85 - .94)	41.8 (39.7 – 43.9)	.87	41.1	5/24/2012
				.88	41.5	5/25/2012
793	IEEE /IEC Head	.90 (.85 - .94)	41.7 (39.6 – 43.8)	.87	41.2	5/30/2012
				.88	42.3	5/31/2012
				.88	40.5	6/1/2012
				.87	41.1	6/3/2012

TABLE G.1 (continued)

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
835	IEEE /IEC Head	.90 (.86 - .95)	41.5 (39.4-43.6)	.90	40.6	5/24/2012
				.94	41.0	5/25/2012
				.90	40.9	5/30/2012
				.91	42.0	5/31/2012
				.91	39.9	6/1/2012
				.90	40.3	6/3/2012

G.1.2 System Check Test Results

TABLE G.2

Probe Serial #	Tissue Type	Dipole Kit / Serial #	Reference SAR @ 1W (W/kg)	System Check Test Results when normalized to 1W (W/kg)	Tested Date
System Check result for 835MHz					
3147	835 FCC Body	D835V2 – 435	9.84 +/- 10%	8.92	6/2/2012
				9.20	6/3/2012
3147	835 IEEE Head	D835V2 – 435	9.21 +/- 10%	9.48	5/24/2012
				9.68	5/25/2012
				9.44	5/30/2012
				9.56	5/31/2012
				9.44	6/1/2012
				9.40	6/3/2012

Note: See APPENDIX D for an explanation of the reference SAR targets stated above.

G.2 DUT Test Methodology

G.2.1 Measurements

SAR measurements were performed using the DASY system described in section 8.0 using coarse, zoom and Z axis scans. SAM and Flat phantoms were filled with applicable simulated tissue, which were used for head, face and body testing.

G.2.2 DUT Configuration(s)

The DUT is a portable device as described in section 6.0. This appendix is specific to LTE B13 & B14 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 K 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.

G.2.3.1 Body

The DUT was positioned in normal use configuration against the phantom with the offered body worn accessory as well as with and without the offered data cable accessory.

G.2.3.2 Head

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

G.2.3.3 Face

The DUT was positioned with its' front side separated 2.5cm from the phantom.

G.3 Output Power Data LTE B13 & B14

The tables below represent the output power measurements for LTE B13 & B14. These power measurements were used to determine the necessary modes for SAR testing according to KDB 941225 - D05 SAR for LTE Devices.

Testing was not done in the 5MHz bandwidth channels due to lower power measurements per KDB 941225. Refer to output power measurements in Table G.3 and G.4.

In some cases the initial power listed herein may exceed the reported maximum power due to software step size tuning limitations. However, the initial powers measured are not greater than 5% of the reported maximum power.

TABLE G.3 – Output Power LTE B13 (777-787MHz)

LEX700 S/N 3: 12053522500102		Battery type	1x Battery: 82-154162-01			2x Battery: 82-154162-02			
		Channel type	Low	Mid	High	Low	Mid	High	
		Channel Uplink	23205	23230	23255	23205	23230	23255	
		Frequency [MHz]	779.5	782	784.5	779.5	782	784.5	
Band 13	**Modulation**	**RB Allocation**	**P (mW)**						**Max Power**
LTE B13 - 5MHz	QPSK	1 RB with RBstart=24 (upper edge)	194.98	199.53	213.80	NA	NA	NA	210mW
		1 RB with RBstart=0 (lower edge)	204.17	199.53	199.53	NA	NA	NA	
		12 RB with RBstart=6 (50% RB)	186.21	181.97	190.55	NA	NA	NA	
		25 RB with RBstart=0 (100%)	186.21	177.83	181.97	NA	NA	NA	
	16QAM	1 RB with RBstart=24 (upper edge)	199.53	208.93	208.93	NA	NA	NA	214mW
		1 RB with RBstart=0 (lower edge)	208.93	208.93	194.98	NA	NA	NA	
		12 RB with RBstart=6 (50% RB)	158.49	147.91	151.36	NA	NA	NA	
		25 RB with RBstart=0 (100%)	158.49	151.36	147.91	NA	NA	NA	
LTE B13 - 10MHz	QPSK	1 RB with RBstart=49 (upper edge)	NA	199.53	NA	NA	199.53	NA	210mW
		1 RB with RBstart=0 (lower edge)	NA	199.53	NA	NA	199.53	NA	
		25 RB with RBstart=13 (50% RB)	NA	181.97	NA	NA	181.97	NA	
		50 RB with RBstart=0 (100% RB)	NA	186.21	NA	NA	186.21	NA	
	16QAM	1 RB with RBstart=49 (upper edge)	NA	213.80	NA	NA	213.80	NA	214mW
		1 RB with RBstart=0 (lower edge)	NA	218.78	NA	NA	218.78	NA	
		25 RB with RBstart=13 (50% RB)	NA	151.36	NA	NA	151.36	NA	
		50 RB with RBstart=0 (100% RB)	NA	154.88	NA	NA	154.88	NA	

Note – 5MHz bandwidth channels were not tested per power requirements in KDB 941225.

TABLE G.4 – Output Power LTE B14 (788-798MHz)

LEX700 S/N 3: 12053522500102		Battery type	1x Battery: 82-154162-01			2x Battery: 82-154162-02			
		Channel type	Low	Mid	High	Low	Mid	High	
		Channel Uplink	23305	23330	23355	23305	23330	23355	
		Frequency [MHz]	790.5	793	795.5	790.5	793	795.5	
Band 14	**Modulation**	**RB Allocation**	**P (mW)**						**Max Power**
LTE B14 - 5MHz	QPSK	1 RB with RBstart=24 (upper edge)	213.80	213.80	229.09	NA	NA	NA	220mW
		1 RB with RBstart=0 (lower edge)	204.17	208.93	213.80	NA	NA	NA	
		12 RB with RBstart=6 (50% RB)	199.53	204.17	199.53	NA	NA	NA	
		25 RB with RBstart=0 (100%)	194.98	194.98	208.93	NA	NA	NA	
	16QAM	1 RB with RBstart=24 (upper edge)	223.87	218.78	234.42	NA	NA	NA	225mW
		1 RB with RBstart=0 (lower edge)	213.80	213.80	229.09	NA	NA	NA	
		12 RB with RBstart=6 (50% RB)	158.49	154.88	154.88	NA	NA	NA	
		25 RB with RBstart=0 (100%)	158.49	158.49	165.96	NA	NA	NA	
LTE B14 - 10MHz	QPSK	1 RB with RBstart=49 (upper edge)	NA	229.09	NA	NA	NA	NA	230mW
		1 RB with RBstart=0 (lower edge)	NA	194.98	NA	NA	NA	NA	
		25 RB with RBstart=13 (50% RB)	NA	190.55	NA	NA	NA	NA	
		50 RB with RBstart=0 (100% RB)	NA	190.55	NA	NA	NA	NA	
	16QAM	1 RB with RBstart=49 (upper edge)	NA	251.19	NA	NA	229.09	NA	240mW
		1 RB with RBstart=0 (lower edge)	NA	199.53	NA	NA	208.93	NA	
		25 RB with RBstart=13 (50% RB)	NA	158.49	NA	NA	NA	NA	
		50 RB with RBstart=0 (100% RB)	NA	158.49	NA	NA	NA	NA	

Note – 5MHz bandwidth channels were not tested per power requirements in KDB 941225.

G.4 DUT Test Data

G.4.1 Assessments at LTE B13 (777 – 787MHz) Test Data

G.4.1.1 Assessments at the Body

A base station emulator was used to configure the DUT at the body using LTE resource block (RB) allocation per KDB 941225.

Refer to output power measurements in Table G.3 for the following modulations and RB allocations.

5 & 10MHz bandwidth channels QPSK & 16QAM:
1 RB high end of channel
1 RB low end of channel
50% RB
100% RB

Assessment channel bandwidth, modulation and RB allocation as required per KDB 941225; The DUT was tested for channel bandwidth, modulation and RB allocation as required per KDB 941225 with holster, 1) front/top up (display facing phantom), using the low capacity battery (82-154162-01) & cover (60.15U26.001) without any cable accessory attachment.

Assessment of the holster; The DUT was tested using highest channel bandwidth, modulation and RB allocation from above in body worn Holster TTN1002A for each of the three remaining orientations: 2) front/bottom up (display facing phantom) 3) back/top up (battery facing phantom) 4) back/bottom up (battery facing phantom).

Refer to Appendix K for illustration of four orientations.

Assessment of the offered high capacity battery; The DUT was tested with the optional high capacity battery (82-154162-02) & cover (60.15U27.001) using the highest SAR configuration from above.

Assessment of the offered data cable accessory; The DUT was tested with the optional data cable using the applicable highest SAR configuration from above.

Note – USB port access is only applicable to positions 1 & 3 “top up”.

Table G.5 presents the data of the body assessment. SAR plot(s) are included in section G.7 for the bolded data in Table G.5.

TABLE G.5

KDB 941225 Assessments at the Body (LTE B13) 777 – 787MHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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**
KDB Part 3A - 10MHz BW channel, QPSK, 50% RB centered within channel bandwidth												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/top up (display facing phantom)	None	782	0.18197	-0.12	0.419	0.321	0.497	0.381	HvH-Ab-120602-02
KDB Part 3A, I) – not required, SAR is below 1.45mW/g												
KDB Part 3B – 10MHz BW channel, QPSK, 1 RB at the high end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/top up (display facing phantom)	None	782	0.19953	-0.11	0.418	0.317	0.451	0.342	HvH-Ab-120602-03
KDB Part 3B – 10MHz BW channel, QPSK, 1 RB at the low end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/top up (display facing phantom)	None	782	0.19953	-0.22	0.470	0.363	0.520	0.402	HvH-Ab-120602-04
KDB Part 3B, I) – not required, SAR is below 1.45mW/g												
KDB Part 4A – 10MHz BW channel, 16QAM, 50% RB centered within channel bandwidth, output power for 16QAM > QPSK												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/top up (display facing phantom)	None	782	0.15136	0.34	0.338	0.260	0.478	0.368	HvH-Ab-120602-05
KDB Part 4A, I) – not required, SAR is below 1.45mW/g												
KDB Part 4B – 10MHz BW channel, 16QAM, 1 RB at the high end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/top up (display facing phantom)	None	782	0.2138	-0.13	0.441	0.339	0.455	0.350	HvH-Ab-120602-06
KDB Part 4B – 10MHz BW channel, 16QAM, 1 RB at the low end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/top up (display facing phantom)	None	782	0.21878	-0.04	0.505	0.385	0.510	0.389	HvH-Ab-120602-07
KDB Part 4B, I) – not required, SAR is below 1.45mW/g												
KDB Part 5A – not required, 5MHz BW channels are within 1/2dB of 10MHz BW channel power												
KDB Part 5B – not required, 5MHz BW channels are within 1/2dB of 10MHz BW channel power												
KDB Part 5B, I) – not required, SAR is below 1.45mW/g												
KDB Part 5C – not required because 5MHz BW channel does not exceed 10MHz BW channel by more than 1/2dB in power												

TABLE G.5 (continued)

KDB 941225 Assessments at the Body (LTE B13) 777 – 787MHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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 the body with holster using highest RB mode from above - 10MHz BW channel, QPSK, 1 RB at the low end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A , front/bottom up (display facing phantom)	None	782	0.19953	-0.18	0.482	0.370	**0.529**	**0.406**	HvH-Ab-120602-08
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A , back/top up (battery facing phantom)	None	782	0.19953	-0.09	0.308	0.231	0.331	0.248	HvH-Ab-120602-09
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A , back/bottom up (battery facing phantom)	None	782	0.19953	-0.03	0.328	0.245	0.348	0.260	HvH-Ab-120602-10
Assessment at the body – high capacity battery using highest position from above												
Internal LTE (25.90AD4.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Against Phantom	Holster TTN1002A , front/bottom up (display facing phantom)	None	782	0.19953	-0.03	0.451	0.348	0.478	0.369	HvH-Ab-120602-12
Assessment at the body – data cable using highest position from above holster Note - USB port access is only applicable to “top up” position.												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A top up only (front/top up)display facing phantom	USB data cable 25-128458-01R	782	0.19953	-0.03	0.447	0.346	0.474	0.367	HvH-Ab-120602-13

G.4.1.2 Assessments at the Head

A base station emulator was used to configure the DUT at the head using LTE resource block (RB) allocation per KDB 941225.

Refer to output power measurements in Table G.3 for the following modulations and RB allocations.

5 & 10MHz bandwidth channels QPSK & 16QAM:
1 RB high end of channel
1 RB low end of channel
50% RB
100% RB

Assessment of the right ear cheek touch positions; The DUT was tested at the right ear in the cheek touch position using the low capacity battery (82-154162-01) for channel bandwidth, modulation and RB allocation as required per KDB941225.

Assessment of the offered high capacity battery; The DUT was tested with the optional high capacity battery (82-154162-02) & cover (60.15U27.001) using the highest configuration from above.

Assessment of the right ear cheek tilt position; The DUT was tested at the right ear in the cheek tilt position using the highest configuration from above.

Table G.6 presents the data of the head assessments. SAR plot(s) are included in section G.7 for the bolded data in Table G.6.

TABLE G.6

KDB 941225 Assessments at the Right Ear Head (LTE B13) 777 – 787MHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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**
KDB Part 3A - 10MHz BW channel, QPSK, 50% RB centered within channel bandwidth												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	782	0.18197	-0.12	0.448	0.353	**0.531**	**0.419**	JsT-Rear-120524-08
KDB Part 3A, I) – not required, SAR is below 1.45mW/g												
KDB Part 3B – 10MHz BW channel, QPSK, 1 RB at the high end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	782	0.19953	0.22	0.460	0.362	0.484	0.381	JsT-Rear-120524-05
KDB Part 3B – 10MHz BW channel, QPSK, 1 RB at the low end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	782	0.19953	-0.18	0.472	0.378	0.518	0.415	JsT-Rear-120524-09
KDB Part 3B, I) – not required, SAR is below 1.45mW/g												
KDB Part 4A – 10MHz BW channel, 16QAM, 50% RB centered within channel bandwidth, output power for 16QAM > QPSK												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	782	0.15136	-0.07	0.355	0.284	0.510	0.408	JsT-Rear-120524-10
KDB Part 4A, I) – not required, SAR is below 1.45mW/g												
KDB Part 4B – 10MHz BW channel, 16QAM, 1 RB at the high end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	782	0.2138	-0.16	0.502	0.394	0.521	0.409	JsT-Rear-120524-11
KDB Part 4B – 10MHz BW channel, 16QAM, 1 RB at the low end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	782	0.21878	-0.11	0.492	0.394	0.505	0.404	JsT-Rear-120524-12
KDB Part 4B, I) – not required, SAR is below 1.45mW/g												
KDB Part 5A – not required, 5MHz BW channels are within 1/2dB of 10MHz BW channel power												
KDB Part 5B – not required, 5MHz BW channels are within 1/2dB of 10MHz BW channel power												
KDB Part 5B, I) – not required, SAR is below 1.45mW/g												
KDB Part 5C – not required because 5MHz BW channel does not exceed 10MHz BW channel by more than 1/2dB in power												
Assessment at the head with high capacity battery using highest RB mode from above - 10MHz BW channel, QPSK, 50% RB centered within channel bandwidth												
Internal LTE (25.90AD4.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek touch	None	None	782	0.18197	-0.11	0.389	0.309	0.460	0.366	JsT-Rear-120524-13
Assessment in tilt position with highest battery and RB mode from above - 10MHz BW channel, QPSK, 50% RB centered within channel bandwidth												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek tilt	None	None	782	0.18197	-0.16	0.261	0.209	**0.313**	**0.250**	JsT-Rear-120524-14

Assessment of the left ear cheek touch positions; The DUT was tested at the left ear in the cheek touch position using the highest battery from right ear for channel bandwidth, modulation and RB allocation as required per KDB941225.

Assessment of the left ear cheek tilt position; The DUT was tested at the left ear in the cheek tilt position using the highest configuration from above.

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

TABLE G.7

KDB 941225 Assessments at the Left Ear Head (LTE B13) 777 – 787MHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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**
KDB Part 3A - 10MHz BW channel, QPSK, 50% RB centered within channel bandwidth												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	782	0.18197	-0.05	0.435	0.315	0.508	0.368	JsT-Lear-120525-02
KDB Part 3A, I) – not required, SAR is below 1.45mW/g												
KDB Part 3B – 10MHz BW channel, QPSK, 1 RB at the high end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	782	0.19953	-0.19	0.437	0.320	0.480	0.352	JsT-Lear-120525-03
KDB Part 3B – 10MHz BW channel, QPSK, 1 RB at the low end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	782	0.19953	-0.08	0.463	0.333	0.496	0.357	JsT-Lear-120525-04
KDB Part 3B, I) – not required, SAR is below 1.45mW/g												
KDB Part 4A – 10MHz BW channel, 16QAM, 50% RB centered within channel bandwidth, output power for 16QAM > QPSK												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	782	0.15136	-0.12	0.345	0.248	0.501	0.360	JsT-Lear-120525-05
KDB Part 4A, I) – not required, SAR is below 1.45mW/g												
KDB Part 4B – 10MHz BW channel, 16QAM, 1 RB at the high end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	782	0.2138	-0.01	0.502	0.357	0.504	0.358	JsT-Lear-120525-06
KDB Part 4B – 10MHz BW channel, 16QAM, 1 RB at the low end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	782	0.21878	-0.18	0.497	0.361	**0.518**	**0.376**	JsT-Lear-120525-07
KDB Part 4B, I) – not required, SAR is below 1.45mW/g												
KDB Part 5A – not required, 5MHz BW channels are within 1/2dB of 10MHz BW channel power												
KDB Part 5B – not required, 5MHz BW channels are within 1/2dB of 10MHz BW channel power												
KDB Part 5B, I) – not required, SAR is below 1.45mW/g												
KDB Part 5C – not required because 5MHz BW channel does not exceed 10MHz BW channel by more than 1/2dB in power												
Assessment in tilt position with highest battery from right ear and RB mode from above - 10MHz BW channel, 16QAM, 1 RB at the low end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek tilt	None	None	782	0.21878	0.00	0.300	0.237	**0.300**	**0.237**	JsT-Lear-120525-08

G.4.1.3 Assessments at the Face

A base station emulator was used to configure the DUT at the face using LTE resource block (RB) allocation per KDB 941225.

Refer to output power measurements in Table G.3 for the following modulations and RB allocations.

5 & 10MHz bandwidth channels QPSK & 16QAM:
1 RB high end of channel
1 RB low end of channel
50% RB
100% RB

Assessment of the face position; The DUT was tested at the face for channel bandwidth, modulation and RB allocation as required per KDB941225 using the highest battery from right ear.

Table G.8 presents the data of the face assessments. SAR plot(s) are included in section G.7 for the bolded data in Table G.8.

TABLE G.8

KDB 941225 Assessments at the Face (LTE B13) 777 – 787MHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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**
KDB Part 3A - 10MHz BW channel, QPSK, 50% RB centered within channel bandwidth												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Front 2.5cm	None	None	782	0.18197	-0.02	0.328	0.249	**0.380**	**0.289**	JsT-Face-120525-09
KDB Part 3A, I) – not required, SAR is below 1.45mW/g												
KDB Part 3B – 10MHz BW channel, QPSK, 1 RB at the high end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Front 2.5cm	None	None	782	0.19953	0.07	0.350	0.268	0.368	0.282	JsT-Face-120525-10
KDB Part 3B – 10MHz BW channel, QPSK, 1 RB at the low end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Front 2.5cm	None	None	782	0.19953	-0.01	0.349	0.267	0.368	0.282	JsT-Face-120525-11
KDB Part 3B, I) – not required, SAR is below 1.45mW/g												

TABLE G.8 (continued)

KDB 941225 Assessments at the Face (LTE B13) 777 – 787MHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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**
KDB Part 4A – 10MHz BW channel, 16QAM, 50% RB centered within channel bandwidth, output power for 16QAM > QPSK												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Front 2.5cm	None	None	782	0.15136	-0.08	0.260	0.197	0.374	0.284	JsT-Face-120525-12
KDB Part 4A, I) – not required, SAR is below 1.45mW/g												
KDB Part 4B – 10MHz BW channel, 16QAM, 1 RB at the high end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Front 2.5cm	None	None	782	0.2138	-0.15	0.344	0.262	0.356	0.271	JsT-Face-120525-13
KDB Part 4B – 10MHz BW channel, 16QAM, 1 RB at the low end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Front 2.5cm	None	None	782	0.21878	0.00	0.369	0.283	0.369	0.283	JsT-Face-120525-14
KDB Part 4B, I) – not required, SAR is below 1.45mW/g												
KDB Part 5A – not required, 5MHz BW channels are within 1/2dB of 10MHz BW channel power												
KDB Part 5B – not required, 5MHz BW channels are within 1/2dB of 10MHz BW channel power												
KDB Part 5B, I) – not required, SAR is below 1.45mW/g												
KDB Part 5C – not required because 5MHz BW channel does not exceed 10MHz BW channel by more than 1/2dB in power												

G.4.2 Assessments at LTE B14 (788 – 798MHz) Test Data

G.4.2.1 Assessments at the Body

A base station emulator was used to configure the DUT at the body using LTE resource block (RB) allocation per KDB 941225.

Refer to output power measurements in Table G.3 and G.4 for the following modulations and RB allocations.

5 & 10MHz bandwidth channels QPSK & 16QAM:
1 RB high end of channel
1 RB low end of channel
50% RB
100% RB

Assessment channel bandwidth, modulation and RB allocation as required per KDB 941225; The DUT was tested for channel bandwidth, modulation and RB allocation as required per KDB 941225 with holster, 1) front/top up (display facing phantom), using the low capacity battery (82-154162-01) & cover (60.15U26.001) without any cable accessory attachment.

Assessment of the holster; The DUT was tested using highest channel bandwidth, modulation and RB allocation from above in body worn Holster TTN1002A for each of the three remaining orientations: 2) front/bottom up (display facing phantom) 3) back/top up (battery facing phantom) 4) back/bottom up (battery facing phantom).

Refer to Appendix K for illustration of four orientations.

Assessment of the offered high capacity battery; The DUT was tested with the optional high capacity battery (82-154162-02) & cover (60.15U27.001) using the highest SAR configuration from above.

Assessment of the offered data cable accessory; The DUT was tested with the optional data cable using the highest SAR configuration from above.

Note – USB port access is only applicable to positions 1 & 3 “top up”.

Table G.9 presents the data of the body assessment. SAR plot(s) are included in section G.7 for the bolded data in Table G.9.

TABLE G.9

KDB 941225 Assessments at the Body (LTE B14) 788 – 798MHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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**
KDB Part 3A - 10MHz BW channel, QPSK, 50% RB centered within channel bandwidth												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/top up (display facing phantom)	None	793	0.19055	-0.22	0.402	0.311	0.510	0.395	HvH-Ab-120602-15
KDB Part 3A, I) – not required, SAR is below 1.45mW/g												
KDB Part 3B – 10MHz BW channel, QPSK, 1 RB at the high end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/top up (display facing phantom)	None	793	0.22909	0.03	0.503	0.384	0.505	0.386	HvH-Ab-120602-16
KDB Part 3B – 10MHz BW channel, QPSK, 1 RB at the low end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/top up (display facing phantom)	None	793	0.19498	-0.31	0.438	0.333	0.555	0.422	HvH-Ab-120602-17
KDB Part 3B, I) – not required, SAR is below 1.45mW/g												
KDB Part 4A – 10MHz BW channel, 16QAM, 50% RB centered within channel bandwidth, output power for 16QAM > QPSK												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/top up (display facing phantom)	None	793	0.15849	-0.11	0.349	0.265	0.542	0.412	HvH-Ab-120602-18
KDB Part 4A, I) – not required, SAR is below 1.45mW/g												
KDB Part 4B – 10MHz BW channel, 16QAM, 1 RB at the high end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/top up (display facing phantom)	None	793	0.25119	-0.09	0.547	0.419	0.558	0.428	HvH-Ab-120603-02
KDB Part 4B – 10MHz BW channel, 16QAM, 1 RB at the low end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/top up (display facing phantom)	None	793	0.19953	-0.27	0.457	0.351	0.585	0.449	HvH-Ab-120603-03
KDB Part 4B, I) – not required, SAR is below 1.45mW/g												
KDB Part 5A – not required, 5MHz BW channels are within 1/2dB of 10MHz BW channel power												
KDB Part 5B – not required, 5MHz BW channels are within 1/2dB of 10MHz BW channel power												
KDB Part 5B, I) – not required, SAR is below 1.45mW/g												
KDB Part 5C – not required because 5MHz BW channel does not exceed 10MHz BW channel by more than 1/2dB in power												

TABLE G.9 (continued)

KDB 941225 Assessments at the Body (LTE B14) 788 – 798MHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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 the body with holster using highest RB mode from above - 10MHz BW channel, 16QAM, 1 RB at the low end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/top up (display facing phantom)	None	793	0.19953	-0.27	0.457	0.351	0.585	0.449	HvH-Ab-120603-03
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/bottom up (display facing phantom)	None	793	0.19953	-0.35	0.476	0.365	**0.621**	**0.476**	HvH-Ab-120603-04
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, back/top up (battery facing phantom)	None	793	0.19953	-0.25	0.311	0.232	0.396	0.296	HvH-Ab-120603-05
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, back/bottom up (battery facing phantom)	None	793	0.19953	-0.31	0.312	0.237	0.403	0.306	HvH-Ab-120603-06
Assessment at the body – high capacity battery using highest position from above												
Internal LTE (25.90AD4.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Against Phantom	Holster TTN1002A, front/bottom up (display facing phantom)	None	793	0.20893	-0.17	0.437	0.336	0.522	0.401	HvH-Ab-120603-07
Assessment at the body – data cable using highest position from above holster Note - USB port access is only applicable to "top up" position.												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/top up (display facing phantom)	USB data cable 25-128458-01R	793	0.19953	-0.21	0.476	0.366	0.601	0.462	HvH-Ab-120603-08

G.4.2.2 Assessments at the Head

A base station emulator was used to configure the DUT at the head using LTE resource block (RB) allocation per KDB 941225.

Refer to output power measurements in Tables G.3 and G.4 for the following modulations and RB allocations.

5 & 10MHz bandwidth channels QPSK & 16QAM:
1 RB high end of channel
1 RB low end of channel
50% RB
100% RB

Assessment of the right ear cheek touch positions; The DUT was tested at the right ear in the cheek touch position using the low capacity battery (82-154162-01) for channel bandwidth, modulation and RB allocation as required per KDB941225.

Assessment of the offered high capacity battery; The DUT was tested with the optional high capacity battery (82-154162-02) & cover (60.15U27.001) using the highest configuration from above.

Assessment of the right ear cheek tilt position; The DUT was tested at the right ear in the cheek tilt position using the highest configuration from above.

Table G.10 presents the data of the head assessments. SAR plot(s) are included in section G.7 for the bolded data in Table G.10.

TABLE G.10

KDB 941225 Assessments at the Right Ear Head (LTE B14) 788 – 798MHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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**
KDB Part 3A - 10MHz BW channel, QPSK, 50% RB centered within channel bandwidth												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	793	0.19055	-0.28	0.478	0.380	0.615	0.489	HvH-Rear-120530-04
KDB Part 3A, I) – not required, SAR is below 1.45mW/g												
KDB Part 3B – 10MHz BW channel, QPSK, 1 RB at the high end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	793	0.22909	-0.03	0.620	0.495	0.627	0.500	HvH-Rear-120530-05
KDB Part 3B – 10MHz BW channel, QPSK, 1 RB at the low end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	793	0.19498	-0.20	0.478	0.382	0.590	0.472	HvH-Rear-120531-02
KDB Part 3B, I) – not required, SAR is below 1.45mW/g												
KDB Part 4A – 10MHz BW channel, 16QAM, 50% RB centered within channel bandwidth, output power for 16QAM > QPSK												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	793	0.15849	-0.09	0.394	0.313	0.609	0.484	HvH-Rear-120531-03
KDB Part 4A, I) – not required, SAR is below 1.45mW/g												
KDB Part 4B – 10MHz BW channel, 16QAM, 1 RB at the high end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	793	0.25119	-0.03	0.683	0.538	**0.688**	**0.542**	HvH-Rear-120531-04
KDB Part 4B – 10MHz BW channel, 16QAM, 1 RB at the low end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	793	0.19953	-0.14	0.532	0.420	0.661	0.522	HvH-Rear-120531-05
KDB Part 4B, I) – not required, SAR is below 1.45mW/g												
KDB Part 5A – not required, 5MHz BW channels are within 1/2dB of 10MHz BW channel power												
KDB Part 5B – not required, 5MHz BW channels are within 1/2dB of 10MHz BW channel power												
KDB Part 5B, I) – not required, SAR is below 1.45mW/g												
KDB Part 5C – not required because 5MHz BW channel does not exceed 10MHz BW channel by more than 1/2dB in power												
Assessment at the head with high capacity battery using highest RB mode from above - 10MHz BW channel, 16QAM, 1 RB at the high end of channel edge												
Internal LTE (25.90AD4.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek touch	None	None	793	0.22909	0.16	0.614	0.485	0.643	0.508	HvH-Rear-120531-06
Assessment in tilt position with highest SAR battery and RB mode from above - 10MHz BW channel, 16QAM, 1 RB at the high end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek tilt	None	None	793	0.25119	0.02	0.379	0.294	**0.379**	**0.294**	HvH-Rear-120531-07

Assessment of the left ear cheek touch positions; The DUT was tested at the left ear in the cheek touch position using the highest battery from right ear for channel bandwidth, modulation and RB allocation as required per KDB941225.

Assessment of the left ear cheek tilt position; The DUT was tested at the left ear in the cheek tilt position using the highest configuration from above.

Table G.11 presents the data of the head assessments. SAR plot(s) are included in section G.7 for the bolded data in Table G.11.

TABLE G.11

KDB 941225 Assessments at the Left Ear Head (LTE B14) 788 – 798MHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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**
KDB Part 3A - 10MHz BW channel, QPSK, 50% RB centered within channel bandwidth												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	793	0.19055	-0.10	0.452	0.325	0.558	0.401	HvH-Lear-120531-08
KDB Part 3A, I) – not required, SAR is below 1.45mW/g												
KDB Part 3B – 10MHz BW channel, QPSK, 1 RB at the high end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	793	0.22909	0.22	0.598	0.435	0.600	0.437	HvH-Lear-120531-09
KDB Part 3B – 10MHz BW channel, QPSK, 1 RB at the low end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	793	0.19498	-0.40	0.480	0.340	0.621	0.440	HvH-Lear-120531-10
KDB Part 3B, I) – not required, SAR is below 1.45mW/g												
KDB Part 4A – 10MHz BW channel, 16QAM, 50% RB centered within channel bandwidth, output power for 16QAM > QPSK												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	793	0.15849	-0.16	0.391	0.280	0.614	0.440	CM-Lear-120531-11
KDB Part 4A, I) – not required, SAR is below 1.45mW/g												
KDB Part 4B – 10MHz BW channel, 16QAM, 1 RB at the high end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	793	0.25119	0.05	0.644	0.464	**0.644**	**0.464**	CM-Lear-120531-12
KDB Part 4B – 10MHz BW channel, 16QAM, 1 RB at the low end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	793	0.19953	-0.07	0.525	0.369	0.642	0.451	CM-Lear-120531-13
KDB Part 4B, I) – not required, SAR is below 1.45mW/g												
KDB Part 5A – not required, 5MHz BW channels are within 1/2dB of 10MHz BW channel power												
KDB Part 5B – not required, 5MHz BW channels are within 1/2dB of 10MHz BW channel power												
KDB Part 5B, I) – not required, SAR is below 1.45mW/g												
KDB Part 5C – not required because 5MHz BW channel does not exceed 10MHz BW channel by more than 1/2dB in power												
Assessment in tilt position with highest battery right ear and RB mode from above - 10MHz BW channel, 16QAM, 1 RB at the high end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek tilt	None	None	793	0.25119	-0.07	0.380	0.295	**0.386**	**0.300**	HvH-Lear-120601-02

G.4.2.3 Assessments at the Face

A base station emulator was used to configure the DUT at the face using LTE resource block (RB) allocation per KDB 941225.

Refer to output power measurements in Tables G.3 and G.4 for the following modulations and RB allocations.

5 & 10MHz bandwidth channels QPSK & 16QAM:
1 RB high end of channel
1 RB low end of channel
50% RB
100% RB

Assessment of the face position; The DUT was tested at the face for channel bandwidth, modulation and RB allocation as required per KDB941225 using the highest battery from right ear.

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

TABLE G.12

KDB 941225 Assessments at the Face (LTE B14) 788 – 798MHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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**
KDB Part 3A - 10MHz BW channel, QPSK, 50% RB centered within channel bandwidth												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Front 2.5cm	None	None	793	0.19055	-0.12	0.327	0.250	0.406	0.310	HvH-Face-120601-03
KDB Part 3A, I) – not required, SAR is below 1.45mW/g												
KDB Part 3B – 10MHz BW channel, QPSK, 1 RB at the high end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Front 2.5cm	None	None	793	0.22909	-0.04	0.394	0.301	0.399	0.305	CM-Face-120531-14
KDB Part 3B – 10MHz BW channel, QPSK, 1 RB at the low end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Front 2.5cm	None	None	793	0.19498	-0.33	0.325	0.247	0.414	0.314	CM-Face-120531-15
KDB Part 3B, I) – not required, SAR is below 1.45mW/g												

TABLE G.12 (continued)

KDB 941225 Assessments at the Face (LTE B14) 788 – 798MHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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**
KDB Part 4A – 10MHz BW channel, 16QAM, 50% RB centered within channel bandwidth, output power for 16QAM > QPSK												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Front 2.5cm	None	None	793	0.15849	-0.17	0.269	0.203	0.424	0.320	CM-Face-120531-16
KDB Part 4A, I) – not required, SAR is below 1.45mW/g												
KDB Part 4B – 10MHz BW channel, 16QAM, 1 RB at the high end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Front 2.5cm	None	None	793	0.25119	-0.10	0.412	0.316	0.422	0.323	CM-Face-120531-18
KDB Part 4B – 10MHz BW channel, 16QAM, 1 RB at the low end of channel edge												
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Front 2.5cm	None	None	793	0.19953	-0.44	0.343	0.260	**0.457**	**0.346**	CM-Face-120531-19
KDB Part 4B, I) – not required, SAR is below 1.45mW/g												
KDB Part 5A – not required, 5MHz BW channels are within 1/2dB of 10MHz BW channel power												
KDB Part 5B – not required, 5MHz BW channels are within 1/2dB of 10MHz BW channel power												
KDB Part 5B, I) – not required, SAR is below 1.45mW/g												
KDB Part 5C – not required because 5MHz BW channel does not exceed 10MHz BW channel by more than 1/2dB in power												

G.4.3 Shorten Scan Assessments

Short scan assessment A "shortened" scan was performed to validate the SAR drift of the full DASY5™ coarse and 5x5x7 zoom scans. Note that the shortened scan represents the zoom scan performance result; this is obtained by first running a coarse scan to find the peak area and then, using a newly charged battery, a 5x5x7 zoom scan only was performed. The results of the shortened cube scan presented in this appendix demonstrate that the scaling methodology used to determine the calculated SAR results presented herein are valid. The SAR result from the table below is provided in section G.7.

TABLE G.13

Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (W)	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
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	793	0.25119	-0.03	0.683	0.538	0.688	0.542	Full scan HvH-Rear-120531-04
Internal LTE (25.90AD4.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	793	0.25119	-0.04	0.669	0.526	0.675	0.531	Short scan HvH-Rear-120603-13

G.5 Conclusion

The highest Operational Maximum Calculated 1-gram and 10-gram average SAR values found for in LTE B13 & 14 for Model LEX 700.

TABLE G.14

Frequency	Max Calc at Body (mW/g)		Max Calc at Face (mW/g)		Max Calc at Head (mW/g)	
	1g-SAR	10g-SAR	1g-SAR	10g-SAR	1g-SAR	10g-SAR
LTE B13 777-787MHz	0.529	0.406	0.380	0.289	0.531	0.419
LTE B14 788-798MHz	0.621	0.476	0.457	0.346	0.688	0.542

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.6 System Performance Scans

Motorola Solutions, Inc. EME Laboratory
Date/Time: 5/24/2012 7:12:12 AM

Robot#: DASY5-FL-1 | Run#:	JsT-SYSP-835H-120524-01
Dipole Model#	D835V2
Phantom#:	SAMTP1208
Tissue Temp:	22.5 (C)
Serial#:	435
Test Freq:	835 (MHz)
Start Power:	250 (mW)
Target SAR (1W):	9.21 mW/g (1g)
Adjusted SAR (1W):	9.48 mW/g (1g)
Percent from Target (+/-):	2.9 % (1g)
Rotation (1D):	0.041 dB

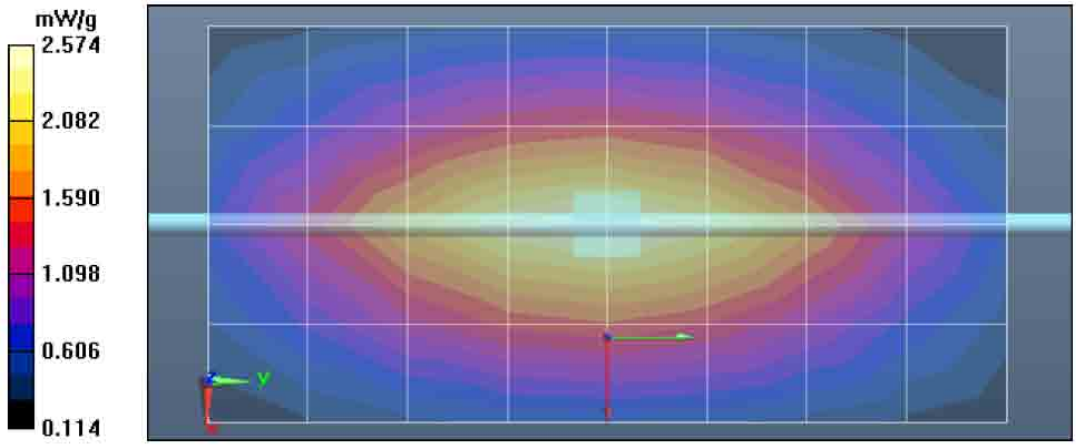
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.9 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(5.97, 5.97, 5.97); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.57 mW/g

Below 3 GHz-Rev.4/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 54.559 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.462 mW/g
SAR(1 g) = 2.37 mW/g; SAR(10 g) = 1.55 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.58 mW/g

Below 3 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm



Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/25/2012 8:19:16 AM

Robot#: DASY5-FL-1 | Run#:	JsT-SYSP-835H-120525-01
Dipole Model#	D835V2
Phantom#:	SAMTP1208
Tissue Temp:	22.2 (C)
Serial#:	435
Test Freq:	835 (MHz)
Start Power:	250 (mW)

Target SAR (1W):	9.21 mW/g	(1g)
Adjusted SAR (1W):	9.68 mW/g	(1g)
Percent from Target (+/-):	5.1 %	(1g)
Rotation (1D):	0.043 dB	

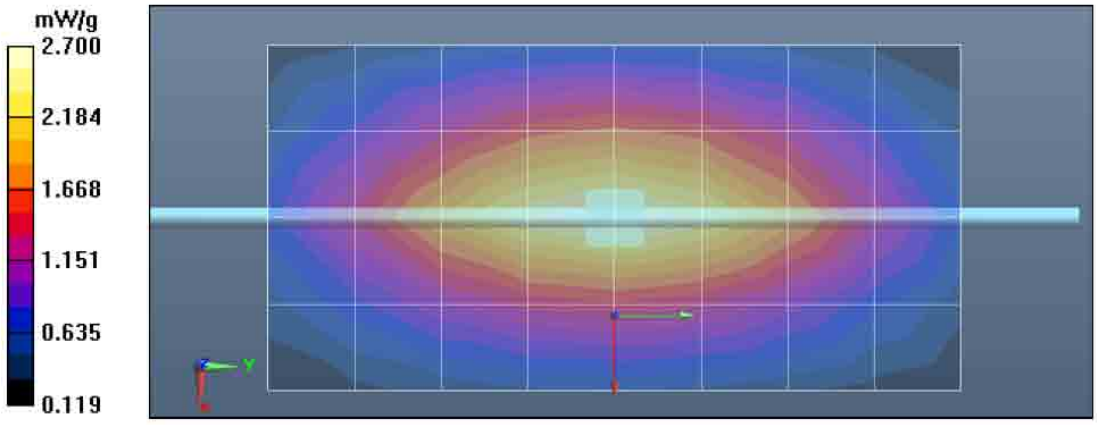
Comments:

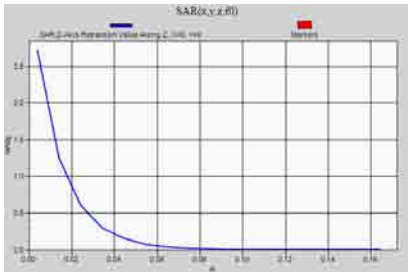
Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.94 mho/m; ε_r = 41; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(5.97, 5.97, 5.97); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.70 mW/g

Below 3 GHz-Rev.4/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 54.618 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.639 mW/g
SAR(1 g) = 2.42 mW/g; SAR(10 g) = 1.59 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.72 mW/g

Below 3 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.71 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/30/2012 9:57:54 AM

Robot#: DASY5-FL-1 | Run#:	HvH-SYSP-835H-120530-01
Dipole Model#	D835V2
Phantom#:	SAMTP1208
Tissue Temp:	21.7 (C)
Serial#:	435
Test Freq:	835 (MHz)
Start Power:	250 (mW)
Target SAR (1W):	9.21 mW/g (1g)
Adjusted SAR (1W):	9.44 mW/g (1g)
Percent from Target (+/-):	2.5 % (1g)
Rotation (1D):	0.040 dB

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.9 mho/m; ε_r = 40.9; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(5.97, 5.97, 5.97); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (41x81x1):

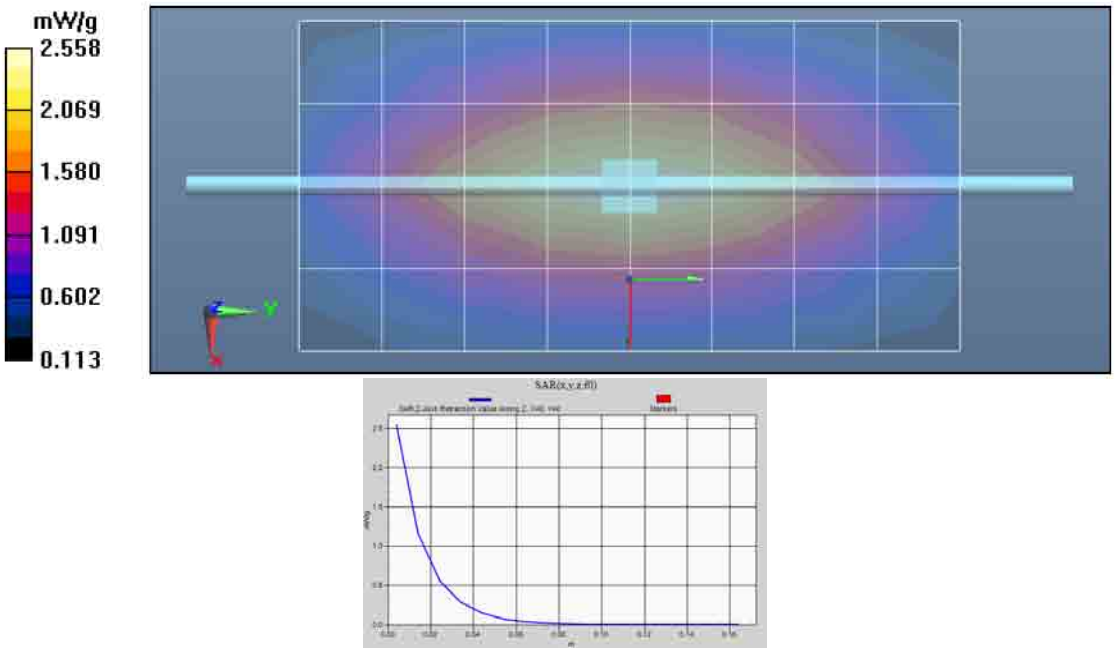
Measurement grid: dx=15mm, dy=15mm
Reference Value = 54.294 V/m; Power Drift = -0.03 dB
Fast SAR: SAR(1 g) = 2.38 mW/g; SAR(10 g) = 1.61 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.56 mW/g

Below 3 GHz-Rev.4/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 54.294 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.448 mW/g
SAR(1 g) = 2.36 mW/g; SAR(10 g) = 1.54 mW/g (SAR corrected for target medium)

Below 3 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17):

Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.55 mW/g



Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/31/2012 8:51:11 AM

Robot#: DASY5-FL-1 | Run#:	HvH-SYSP-835H-120531-01
Dipole Model#	D835V2
Phantom#:	SAMTP1208
Tissue Temp:	21.4 (C)
Serial#:	435
Test Freq:	835 (MHz)
Start Power:	250 (mW)

Target SAR (1W):	9.21 mW/g (1g)
Adjusted SAR (1W):	9.56 mW/g (1g)
Percent from Target (+/-):	3.8 % (1g)
Rotation (1D):	0.038 dB

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.91 mho/m; ε_r = 42; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(5.97, 5.97, 5.97); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (41x81x1):

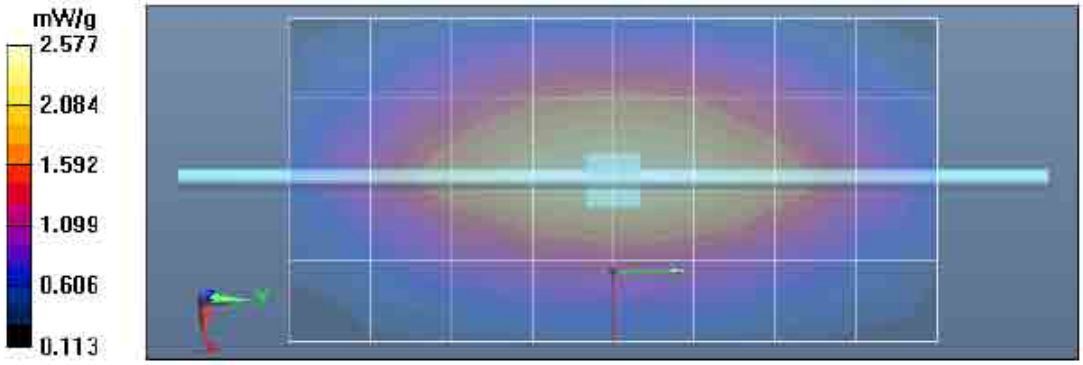
Measurement grid: dx=15mm, dy=15mm
Reference Value = 54.540 V/m; Power Drift = 0.01 dB
Fast SAR: SAR(1 g) = 2.4 mW/g; SAR(10 g) = 1.63 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.60 mW/g

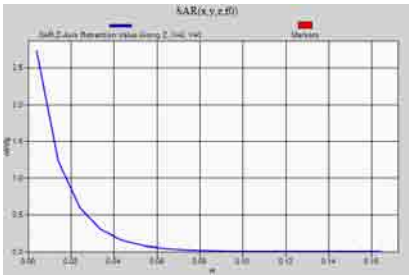
Below 3 GHz-Rev.4/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 54.540 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.492 mW/g
SAR(1 g) = 2.39 mW/g; SAR(10 g) = 1.56 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.60 mW/g

Below 3 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17):

Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.61 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/1/2012 9:58:17 AM

Robot#: DASY5-FL-1 | Run#:	HvH-SYSP-835H-120601-01
Dipole Model#	D835V2
Phantom#:	SAMTP1208
Tissue Temp:	21.4 (C)
Serial#:	435
Test Freq:	835 (MHz)
Start Power:	250 (mW)

Target SAR (1W):	9.21 mW/g	(1g)
Adjusted SAR (1W):	9.44 mW/g	(1g)
Percent from Target (+/-):	2.5 %	(1g)
Rotation (1D):	0.037 dB	

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.91 mho/m; ε_r = 39.9; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(5.97, 5.97, 5.97); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (41x81x1):

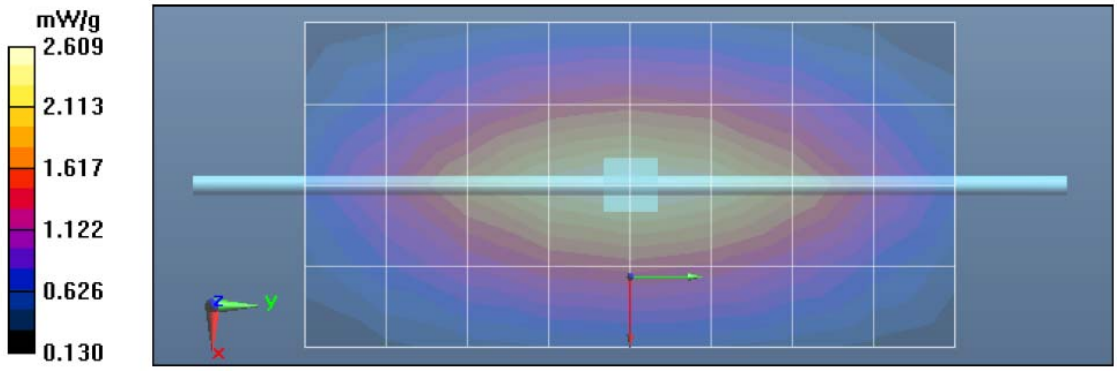
Measurement grid: dx=15mm, dy=15mm
Reference Value = 54.512 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 2.39 mW/g; SAR(10 g) = 1.62 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.61 mW/g

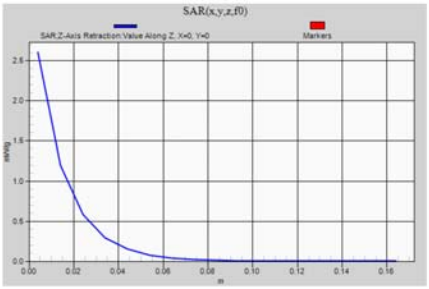
Below 3 GHz-Rev.4/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 54.512 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.507 mW/g
SAR(1 g) = 2.36 mW/g; SAR(10 g) = 1.55 mW/g (SAR corrected for target medium)

Below 3 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17):

Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.60 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/2/2012 4:50:51 AM

Robot#: DASY5-FL-1 | Run#:	HvH-SYSP-835B-120602-01
Dipole Model#	D835V2
Phantom#:	OVAL1016
Tissue Temp:	21.3 (C)
Serial#:	435
Test Freq:	835 (MHz)
Start Power:	250 (mW)
Target SAR (1W):	9.84 mW/g (1g)
Adjusted SAR (1W):	8.92 mW/g (1g)
Percent from Target (+/-):	9.3 % (1g)
Rotation (1D):	0.038 dB

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.93 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(6.03, 6.03, 6.03); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (41x81x1):

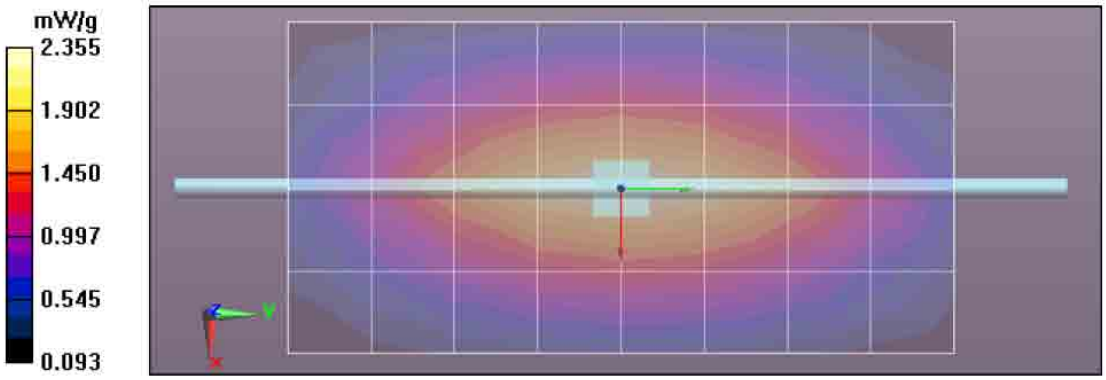
Measurement grid: dx=15mm, dy=15mm
Reference Value = 50.833 V/m; Power Drift = 0.01 dB
Fast SAR: SAR(1 g) = 2.24 mW/g; SAR(10 g) = 1.5 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.35 mW/g

Below 3 GHz-Rev.4/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 50.833 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.259 mW/g
SAR(1 g) = 2.23 mW/g; SAR(10 g) = 1.44 mW/g (SAR corrected for target medium)

Below 3 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17):

Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.35 mW/g



Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/3/2012 5:28:39 AM

Robot#: DASY5-FL-1 | Run#: HvH-SYSP-835B-120603-01
Dipole Model# D835V2
Phantom#: OVAL1016
Tissue Temp: 21.5 (C)
Serial#: 435
Test Freq: 835 (MHz)
Start Power: 250 (mW)

Target SAR (1W): 9.84 mW/g (1g)
Adjusted SAR (1W): 9.20 mW/g (1g)
Percent from Target (+/-): 6.5 % (1g)
Rotation (1D): 0.047 dB

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.98 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(6.03, 6.03, 6.03); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (41x81x1):

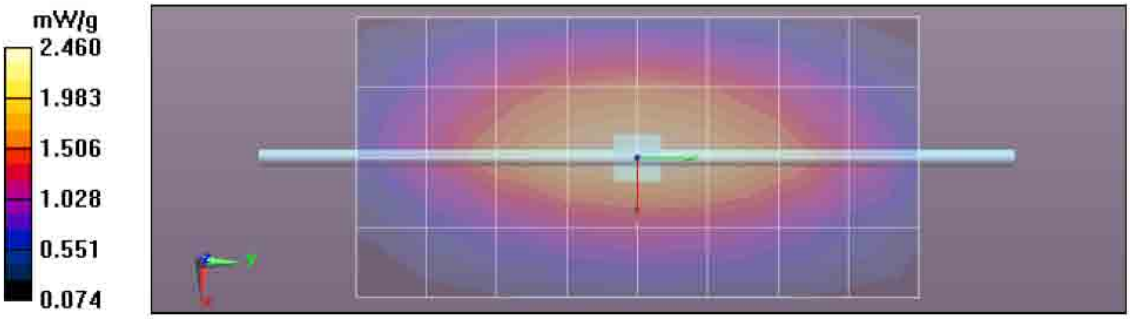
Measurement grid: dx=15mm, dy=15mm
Reference Value = 51.148 V/m; Power Drift = 0.00 dB
Fast SAR: SAR(1 g) = 2.31 mW/g; SAR(10 g) = 1.56 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.50 mW/g

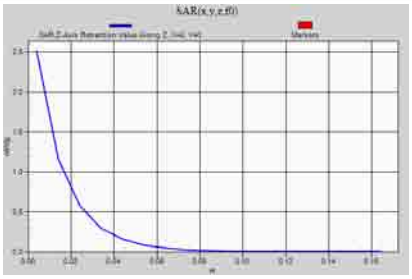
Below 3 GHz-Rev.4/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 51.148 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 3.484 mW/g
SAR(1 g) = 2.3 mW/g; SAR(10 g) = 1.5 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.51 mW/g

Below 3 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17):

Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.52 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/3/2012 12:15:08 PM

Robot#: DASY5-FL-1 | Run#:	HvH-SYSP-835H-120603-10
Dipole Model#	D835V2
Phantom#:	SAMTP1208
Tissue Temp:	20.6 (C)
Serial#:	435
Test Freq:	835 (MHz)
Start Power:	250 (mW)

Target SAR (1W):	9.21 mW/g	(1g)
Adjusted SAR (1W):	9.40 mW/g	(1g)
Percent from Target (+/-):	2.1 %	(1g)
Rotation (1D):	0.038 dB	

Comments:

Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.9 mho/m; ε_r = 40.3; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(5.97, 5.97, 5.97); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (41x81x1):

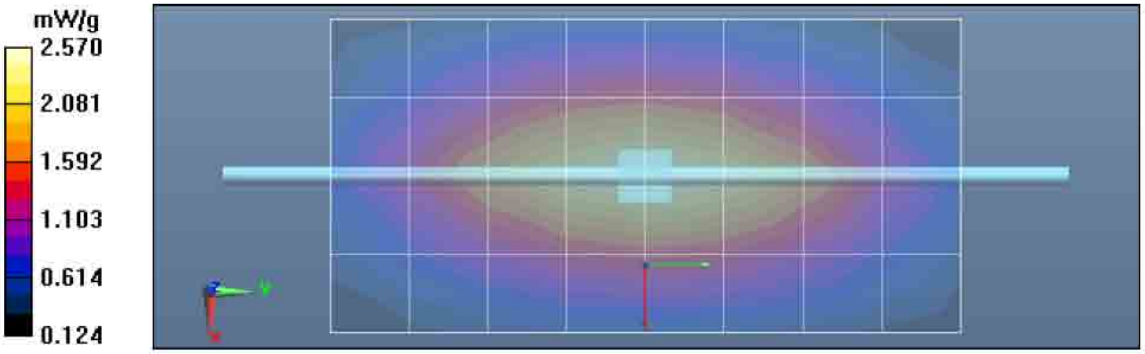
Measurement grid: dx=15mm, dy=15mm
Reference Value = 54.402 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 2.38 mW/g; SAR(10 g) = 1.61 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.57 mW/g

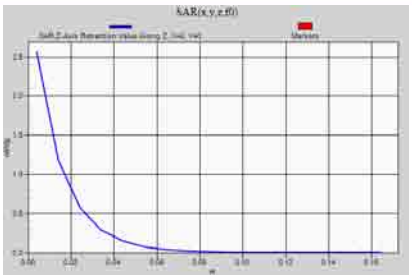
Below 3 GHz-Rev.4/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 54.402 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.444 mW/g
SAR(1 g) = 2.35 mW/g; SAR(10 g) = 1.54 mW/g (SAR corrected for target medium)

Below 3 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17):

Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.56 mW/g





G.7 DUT Scans (Shortened Scan and Highest SAR Configuration)

Shortened Scan Result

Motorola Solutions, Inc. EME Laboratory
Date/Time: 6/3/2012 2:34:06 PM

Robot#: DASY5-FL-1 | Run#:	HvH-Rear-120603-13
Model#:	LEX700
Phantom#:	SAMTP1208
Tissue Temp:	20.7 (C)
Serial#:	12053522500102
Antenna:	Internal LTE (25.90AD4.001)
Test Freq:	793.0000 (MHz)
Battery:	Low Capacity (82-154162-01) and Cover (60.15U26.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.25119 (W)

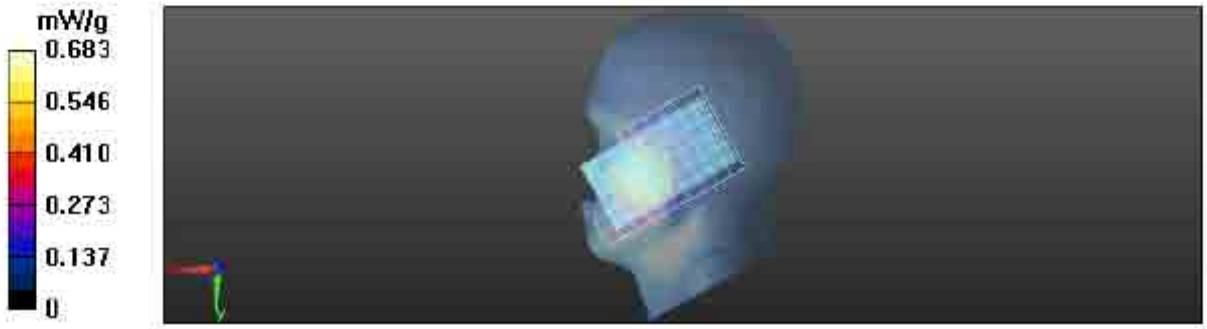
Comments: Full Scan; Touch; GTC_Band 14_10MHz_TM2.LBMF
10MHz channel, 16QAM, 1 RB with RB start=49 (upper edge). Power Adjust(All Up) On

Duty Cycle: 1:5.01187, Medium parameters used: f = 793 MHz; σ = 0.87 mho/m; ε_r = 41.1; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(6.29, 6.29, 6.29); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.5/Right Ear-Touch Position/1-Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 28.511 V/m; Power Drift = 0.04 dB
Fast SAR: SAR(1 g) = 0.668 mW/g; SAR(10 g) = 0.472 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.698 mW/g

Below 3 GHz-Rev.5/Right Ear-Touch Position/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 28.534 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.779 mW/g
SAR(1 g) = 0.669 mW/g; SAR(10 g) = 0.526 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.689 mW/g

Below 3 GHz-Rev.5/Right Ear-Touch Position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.654 mW/g



Shortened scan reflect highest SAR producing configuration; approximate run time is 7 minutes. Representative full scan run time was 27 minutes.
"Shortened" scan max calculated SAR using SAR drift: 1-g Avg. = 0.675mW/g; 10-g Avg. = 0.531mW/g. Zoom scan max calculated SAR using SAR drift (see Table G.13): 1-g Avg. = 0.688mW/g; 10-g Avg. = 0.542mW/g.

Highest SAR Configuration Result

Motorola Solutions, Inc. EME Laboratory
Date/Time: 5/31/2012 11:32:38 AM

Robot#: DASY5-FL-1 | Run#: HvH-Rear-120531-04
Model#: LEX700
Phantom# SAMTP1208
Tissue Temp: 21.0 (C)
Serial#: 12053522500102
Antenna: Internal LTE (25.90AD4.001)
Test Freq: 793.0000 (MHz)
Battery: Low Capacity (82-154162-01) and cover (60.15U26.001)
Carry Acc: None
Audio Acc: None
Start Power: 0.25119 (W)

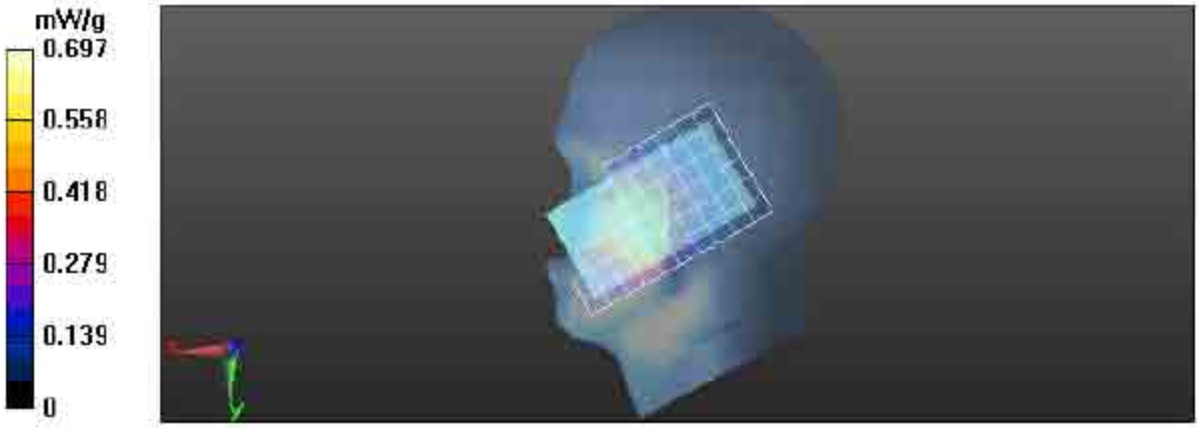
Comments: Full Scan; Touch; GTC_Band 14_10MHz_TM2.LBMF
10MHz channel, 16QAM, 1 RB with RB start=49 (upper edge). Power Adjust(All Up) On

Duty Cycle: 1.5.01187, Medium parameters used: f = 793 MHz; σ = 0.88 mho/m; ε_r = 42.3; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(6.29, 6.29, 6.29); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231; Calibrated: 3/5/2012

Below 3 GHz-Rev.5/Right Ear-Touch Position/1-Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 27.881 V/m; Power Drift = 0.02 dB
Fast SAR: SAR(1 g) = 0.693 mW/g; SAR(10 g) = 0.489 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.721 mW/g

Below 3 GHz-Rev.5/Right Ear-Touch Position/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 27.881 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.806 mW/g
SAR(1 g) = 0.683 mW/g; SAR(10 g) = 0.538 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.699 mW/g

Below 3 GHz-Rev.5/Right Ear-Touch Position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.628 mW/g



DUT Scans

Body LTE Band 13 (777 – 787 MHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/2/2012 9:22:43 AM

Robot#: DASY5-FL-1 | Run#:	HvH-Ab-120602-08
Model#:	LEX700
Phantom#:	OVAL1016
Tissue Temp:	20.9 (C)
Serial#:	12053522500102
Antenna:	Internal LTE (25.90AD4.001)
Test Freq:	782.0000 (MHz)
Battery:	Low Capacity (82-154162-01) and Cover (60.15U26.001)
Carry Acc:	TTN1002A
Audio Acc:	None
Start Power:	0.19953 (W)

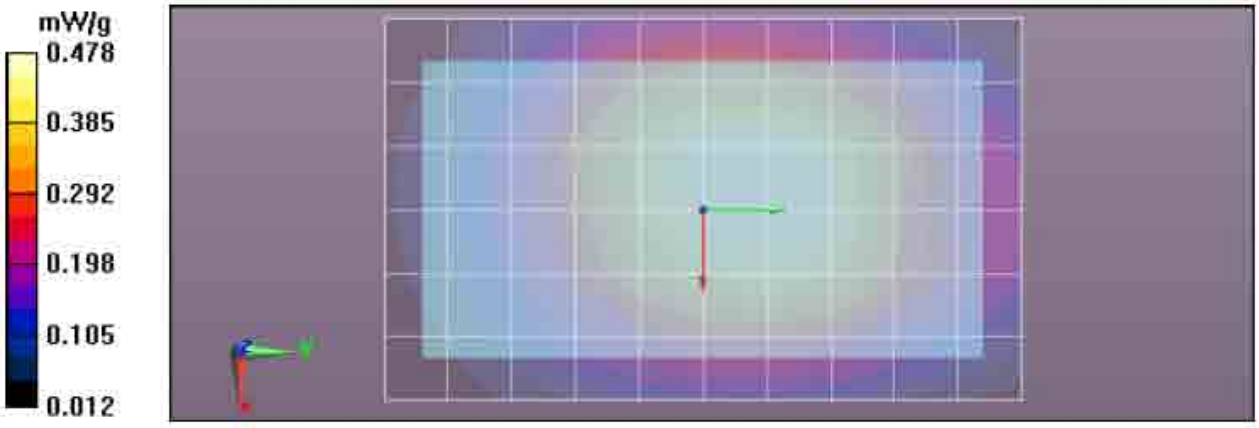
Comments: Full Scan; Front/Bottom up (Display facing phantom), GTC_Band 13_10MHz_TM2.LBMF 10MHz channel, QPSK, 1 RB with RB start=0 (lower edge). Power Adjust(All Up) On

Duty Cycle: 1:3.98107, Medium parameters used: f = 782 MHz; σ = 0.92 mho/m; ε_r = 54.3; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(6.15, 6.15, 6.15); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 23.491 V/m; Power Drift = -0.12 dB
Fast SAR: SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.346 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.489 mW/g

Below 3 GHz-Rev.5/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 23.491 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.582 mW/g
SAR(1 g) = 0.482 mW/g; SAR(10 g) = 0.370 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.491 mW/g

Below 3 GHz-Rev.5/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.478 mW/g



Right Ear - Touch LTE Band 13 (777 – 787 MHz)

Motorola Solutions, Inc. EME Laboratory
Date/Time: 5/24/2012 12:28:30 PM

Robot#: DASY5-FL-1 | Run#:	JsT-Rear-120524-08
Model#:	LEX700
Phantom#:	SAMTP1208
Tissue Temp:	22.2 (C)
Serial#:	12053522500102
Antenna:	Internal LTE (25.90AD4.001)
Test Freq:	782.0000 (MHz)
Battery:	Low Capacity (82-154162-01) and Cover (60.15U26.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.18197 (W)

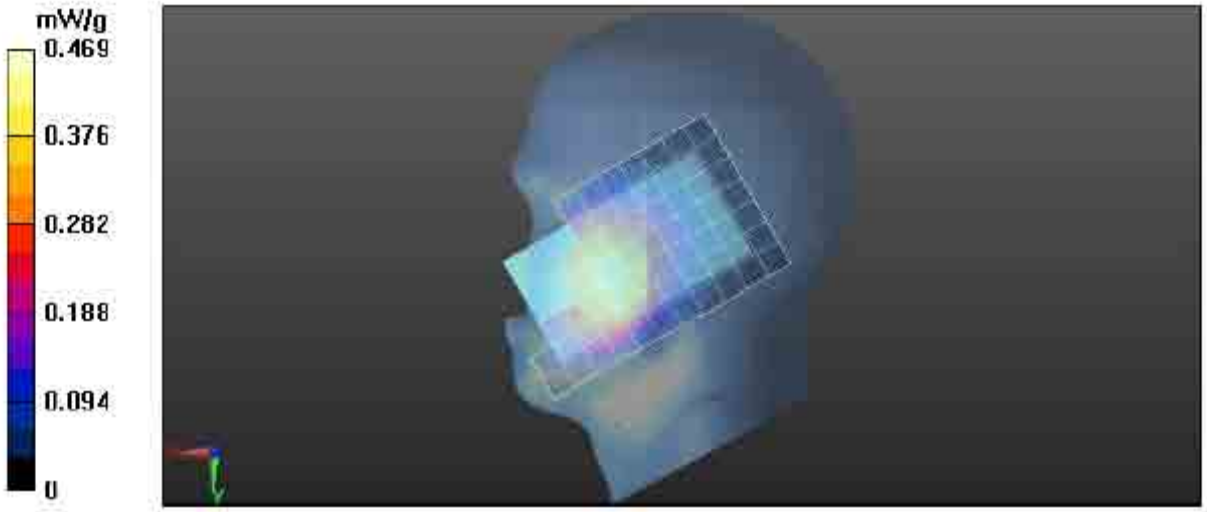
Comments: Full Scan; Touch;
10MHz channel, QPSK, 50% RB centered within channel bandwidth

Duty Cycle: 1:3.98107, Medium parameters used: f = 782 MHz; σ = 0.87 mho/m; ε_r = 41.1; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(6.29, 6.29, 6.29); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.5/Right Ear-Touch Position/1-Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 22.821 V/m; Power Drift = -0.10 dB
Fast SAR: SAR(1 g) = 0.452 mW/g; SAR(10 g) = 0.321 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.473 mW/g

Below 3 GHz-Rev.5/Right Ear-Touch Position/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.821 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.500 mW/g
SAR(1 g) = 0.448 mW/g; SAR(10 g) = 0.353 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.465 mW/g

Below 3 GHz-Rev.5/Right Ear-Touch Position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.442 mW/g



Right Ear – Tilt LTE Band 13 (777 – 787 MHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/24/2012 5:07:46 PM

Robot#: DASY5-FL-1 | Run#:	JsT-Rear-120524-14
Model#:	LEX700
Phantom#:	SAMTP1208
Tissue Temp:	22.1 (C)
Serial#:	12053522500102
Antenna:	Internal LTE (25.90AD4.001)
Test Freq:	782.0000 (MHz)
Battery:	Low Capacity (82-154162-01) and Cover (60.15U26.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.18197 (W)

Comments: Full Scan; Tilt;
10MHz channel, QPSK, 50% RB centered within channel bandwidth

Duty Cycle: 1:3.98107, Medium parameters used: f = 782 MHz; σ = 0.87 mho/m; ε_r = 41.1; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(6.29, 6.29, 6.29); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.5/Right Ear-15D Tilt Position/1-Area Scan (71x111x1): Measurement grid:

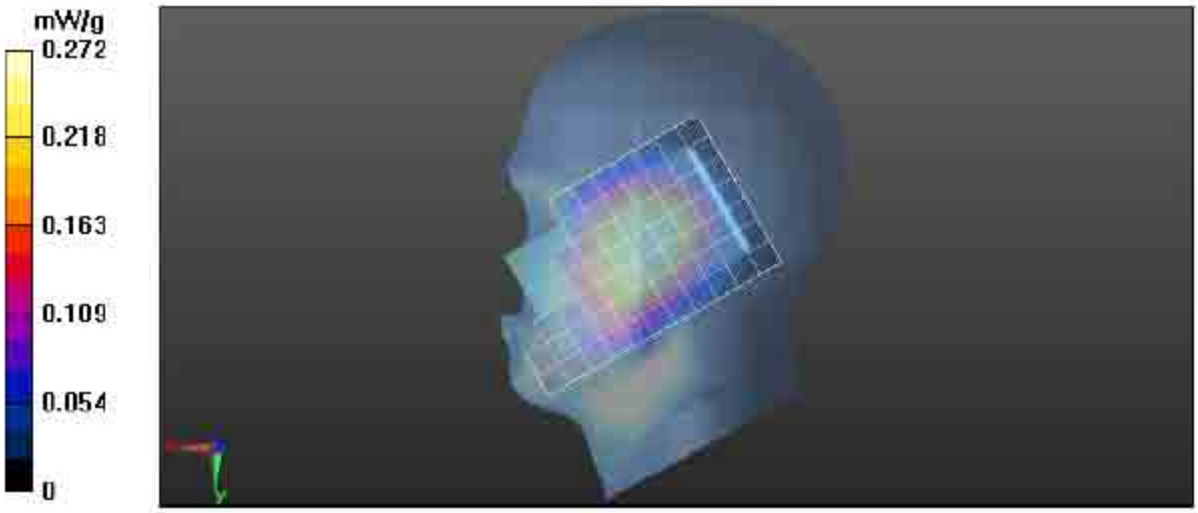
dx=15mm, dy=15mm
Reference Value = 18.092 V/m; Power Drift = -0.06 dB
Fast SAR: SAR(1 g) = 0.268 mW/g; SAR(10 g) = 0.191 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.281 mW/g

Below 3 GHz-Rev.5/Right Ear-15D Tilt Position/3-Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 18.092 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.307 mW/g
SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.209 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.268 mW/g

Below 3 GHz-Rev.5/Right Ear-15D Tilt Position/4-Z-Axis Scan (1x1x17): Measurement grid:

dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.263 mW/g



Left Ear – Touch LTE Band 13 (777 – 787 MHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/25/2012 2:42:46 PM

Robot#: DASY5-FL-1 | Run#:	JsT-Lear-120525-07
Model#:	LEX700
Phantom#:	SAMTP1208
Tissue Temp:	21.1 (C)
Serial#:	12053522500102
Antenna:	Internal LTE (25.90AD4.001)
Test Freq:	782.0000 (MHz)
Battery:	Low Capacity (82-154162-01) and Cover (60.15U26.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.21878 (W)

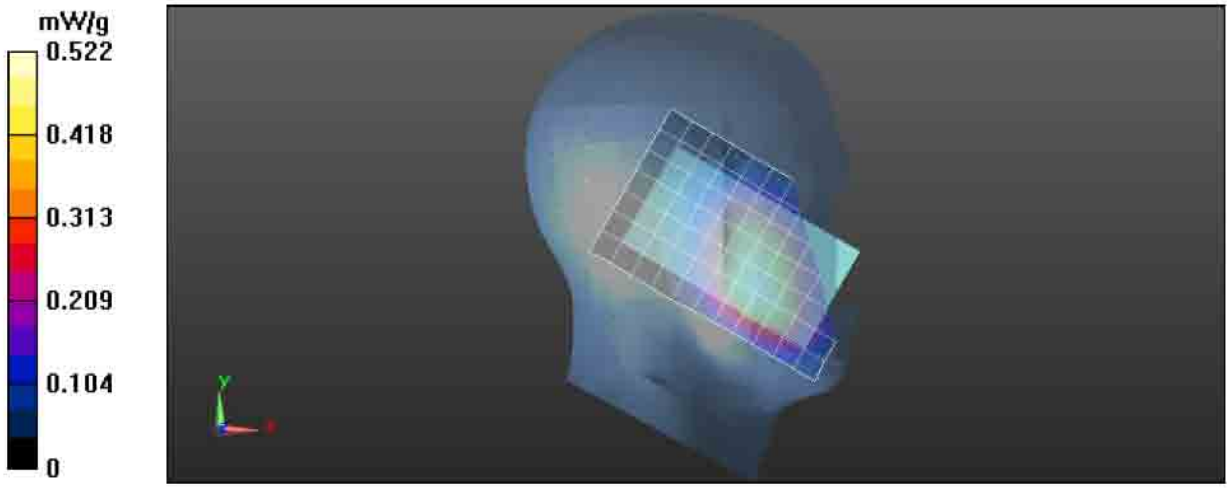
Comments: Full Scan; Touch;
10MHz channel, 16QAM, 1 RB at the low end of channel edge

Duty Cycle: 1:5.01187, Medium parameters used: f = 782 MHz; σ = 0.88 mho/m; ε_r = 41.5; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(6.29, 6.29, 6.29); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.5/Left Ear-Touch position/1-Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 22.453 V/m; Power Drift = -0.17 dB
Fast SAR: SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.346 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.534 mW/g

Below 3 GHz-Rev.5/Left Ear-Touch position/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.453 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.660 mW/g
SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.361 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.520 mW/g

Below 3 GHz-Rev.5/Left Ear-Touch position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.503 mW/g



Left Ear – Tilt LTE Band 13 (777 – 787 MHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/25/2012 3:12:31 PM

Robot#: DASY5-FL-1 | Run#	JsT-Lear-120525-08
Model#:	LEX700
Phantom#:	SAMTP1208
Tissue Temp:	21.0 (C)
Serial#:	12053522500102
Antenna:	Internal LTE (25.90AD4.001)
Test Freq:	782.0000 (MHz)
Battery:	Low Capacity (82-154162-01) and Cover (60.15U26.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.21878 (W)

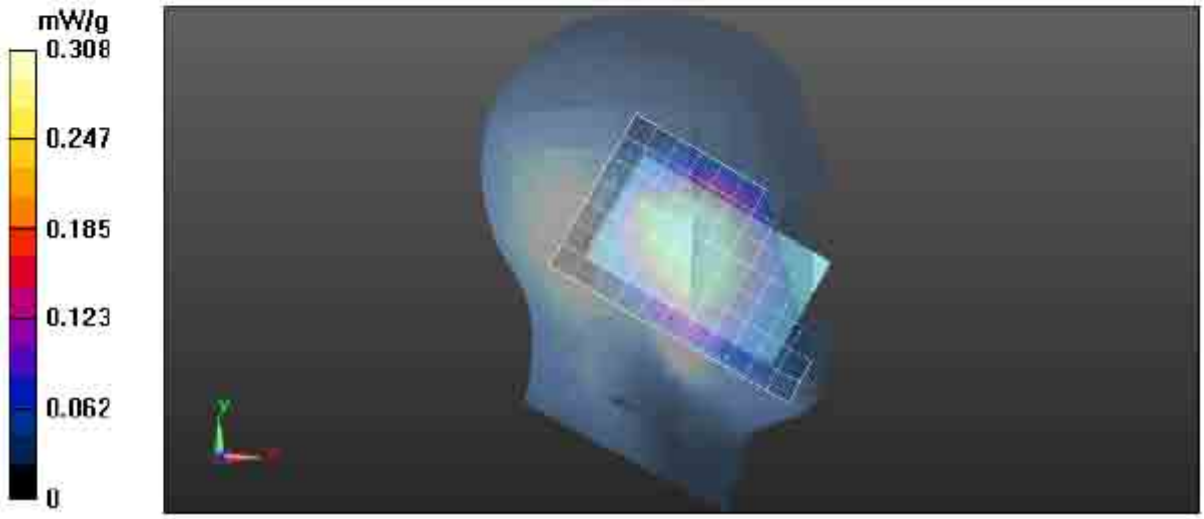
Comments: Full Scan; Tilt;
10MHz channel, 16QAM, 1 RB at the low end of channel edge

Duty Cycle: 1:5.01187, Medium parameters used: f = 782 MHz; σ = 0.88 mho/m; ε_r = 41.5; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(6.29, 6.29, 6.29); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.5/Left Ear-15D Tilt position/1-Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 18.843 V/m; Power Drift = 0.01 dB
Fast SAR: SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.210 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.311 mW/g

Below 3 GHz-Rev.5/Left Ear-15D Tilt position/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 18.843 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.352 mW/g
SAR(1 g) = 0.300 mW/g; SAR(10 g) = 0.237 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.311 mW/g

Below 3 GHz-Rev.5/Left Ear-15D Tilt position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.310 mW/g



Face LTE Band 13 (777 – 787 MHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/25/2012 4:15:47 PM

Robot#: DASY5-FL-1 | Run#:	JsT-Face-120525-09
Model#:	LEX700
Phantom#:	SAMTP1208
Tissue Temp:	21.0 (C)
Serial#	12053522500102
Antenna:	Internal LTE (25.90AD4.001)
Test Freq:	782.0000 (MHz)
Battery:	Low Capacity (82-154162-01) and Cover (60.15U26.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.18197 (W)

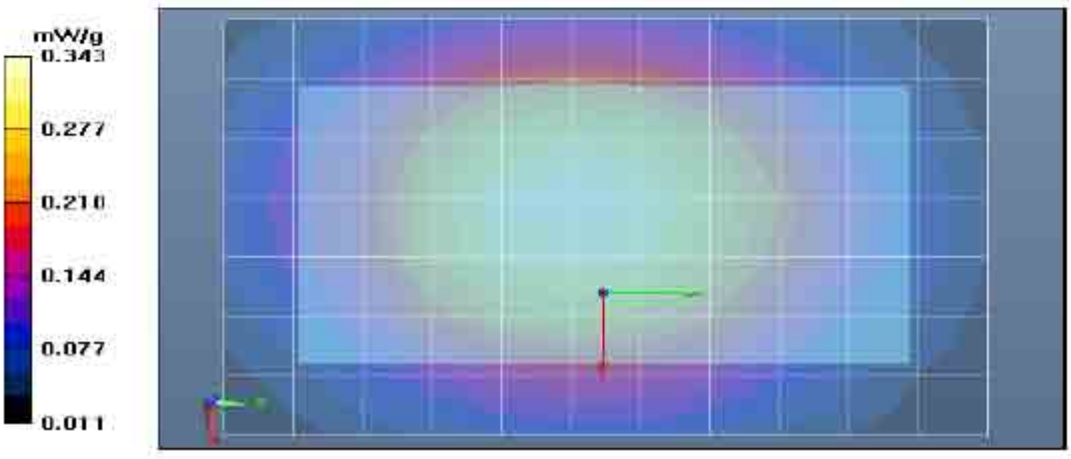
Comments: Full Scan;
10MHz channel, QPSK, 50% RB centered within channel bandwidth

Duty Cycle: 1:3.98107, Medium parameters used: f = 782 MHz; σ = 0.88 mho/m; ε_r = 41.5; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(6.29, 6.29, 6.29); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.5/Face Scan/1-Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 19.263 V/m; Power Drift = -0.07 dB
Fast SAR: SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.237 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.344 mW/g

Below 3 GHz-Rev.5/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 19.263 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.402 mW/g
SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.249 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.340 mW/g

Below 3 GHz-Rev.5/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.339 mW/g



Body LTE Band 14 (788-798 MHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/3/2012 7:46:13 AM

Robot#: DASY5-FL-1 | Run#:	HvH-Ab-120603-04
Model#:	LEX700
Phantom#:	OVAL1016
Tissue Temp:	21.3 (C)
Serial#:	12053522500102
Antenna:	Internal LTE (25.90AD4.001)
Test Freq:	793.0000 (MHz)
Battery:	Low Capacity (82-154162-01) and Cover (60.15U26.001)
Carry Acc:	TTN1002A
Audio Acc:	None
Start Power:	0.19953 (W)

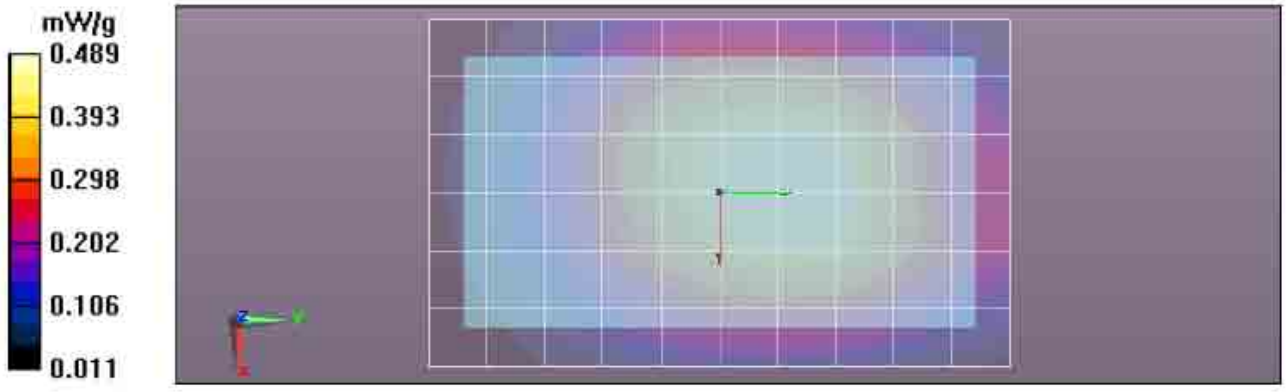
Comments: Full Scan; Front/Bottom up (Display facing phantom), GTC_Band 14_10MHz_TM2.LBMF 10MHz channel, 16QAM, 1 RB with RB start=0 (lower edge). Power Adjust(All Up) On

Duty Cycle: 1:5.01187, Medium parameters used: f = 793 MHz; σ = 0.94 mho/m; ε_r = 54.9; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(6.15, 6.15, 6.15); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 23.699 V/m; Power Drift = -0.23 dB
Fast SAR: SAR(1 g) = 0.483 mW/g; SAR(10 g) = 0.348 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.501 mW/g

Below 3 GHz-Rev.5/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 23.699 V/m; Power Drift = -0.35 dB
Peak SAR (extrapolated) = 0.584 mW/g
SAR(1 g) = 0.476 mW/g; SAR(10 g) = 0.365 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.486 mW/g

Below 3 GHz-Rev.5/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.463 mW/g



Right Ear - Touch LTE Band 14 (788-798 MHz)

Motorola Solutions, Inc. EME Laboratory
Date/Time: 5/31/2012 11:32:38 AM

Robot#: DASY5-FL-1 | Run#:	HvH-Rear-120531-04
Model#:	LEX700
Phantom#:	SAMTP1208
Tissue Temp:	21.0 (C)
Serial#:	12053522500102
Antenna:	Internal LTE (25.90AD4.001)
Test Freq:	793.0000 (MHz)
Battery:	Low Capacity (82-154162-01) and cover (60.15U26.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.25119 (W)

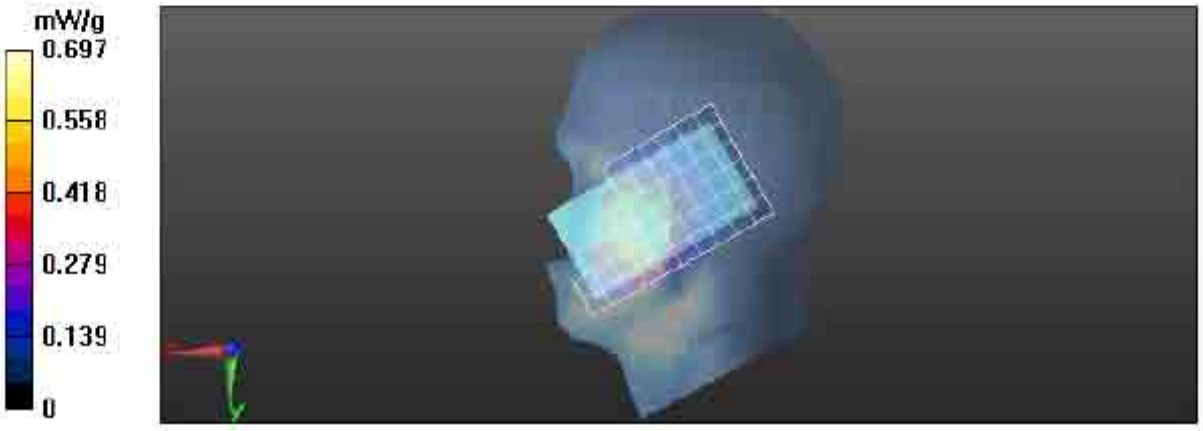
Comments: Full Scan; Touch; GTC_Band 14_10MHz_TM2.LBMF
10MHz channel, 16QAM, 1 RB with RB start=49 (upper edge). Power Adjust(All Up) On

Duty Cycle: 1:5.01187, Medium parameters used: f = 793 MHz; σ = 0.88 mho/m; ε_r = 42.3; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(6.29, 6.29, 6.29); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.5/Right Ear-Touch Position/1-Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 27.881 V/m; Power Drift = 0.02 dB
Fast SAR: SAR(1 g) = 0.693 mW/g; SAR(10 g) = 0.489 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.721 mW/g

Below 3 GHz-Rev.5/Right Ear-Touch Position/3-Zoom Scan (5x5x7)/Cube 0: Measuremen
grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 27.881 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.806 mW/g
SAR(1 g) = 0.683 mW/g; SAR(10 g) = 0.538 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.699 mW/g

Below 3 GHz-Rev.5/Right Ear-Touch Position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.628 mW/g



Right Ear - Tilt LTE Band 14 (788-798 MHz)

Motorola Solutions, Inc. EME Laboratory
Date/Time: 5/31/2012 2:21:44 PM

Robot#: DASY5-FL-1 | Run#:	HvH-Rear-120531-07
Model#:	LEX700
Phantom#:	SAMTP1208
Tissue Temp:	20.8 (C)
Serial#:	12053522500102
Antenna:	Internal LTE (25.90AD4.001)
Test Freq:	793.0000 (MHz)
Battery:	Low Capacity (82-154162-01) and cover (60.15U26.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.25119 (W)

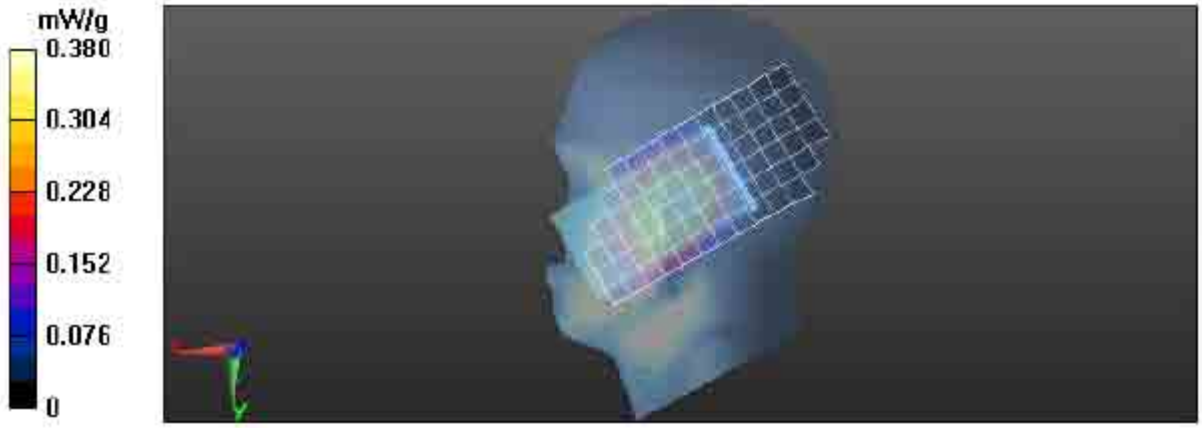
Comments: Full Scan; Tilt; GTC_Band 14_10MHz_TM2.LBMF
10MHz channel, 16QAM, 1 RB with RB start=49 (upper edge). Power Adjust(All Up) On

Duty Cycle: 1:5.01187, Medium parameters used: f = 793 MHz; σ = 0.88 mho/m; ε_r = 42.3; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(6.29, 6.29, 6.29); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.5/Right Ear-15D Tilt Position/1-Area Scan (61x161x1): Measurement grid:
dx=15mm, dy=15mm
Reference Value = 20.546 V/m; Power Drift = 0.02 dB
Fast SAR: SAR(1 g) = 0.374 mW/g; SAR(10 g) = 0.268 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.386 mW/g

Below 3 GHz-Rev.5/Right Ear-15D Tilt Position/3-Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.546 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.444 mW/g
SAR(1 g) = 0.379 mW/g; SAR(10 g) = 0.294 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.386 mW/g

Below 3 GHz-Rev.5/Right Ear-15D Tilt Position/4-Z-Axis Scan (1x1x17): Measurement grid:
dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.375 mW/g



Left Ear - Touch LTE Band 14 (788-798 MHz)

Motorola Solutions, Inc. EME Laboratory
Date/Time: 5/31/2012 6:17:23 PM

Robot#: DASY5-FL-1 | Run#:	CM-Lear-120531-12
Model#:	LEX700
Phantom#:	SAMTP1208
Tissue Temp:	20.8 (C)
Serial#:	12053522500102
Antenna:	Internal LTE (25.90AD4.001)
Test Freq:	793.0000 (MHz)
Battery:	Low Capacity (82-154162-01) and Cover (60.15U26.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.25119 (W)

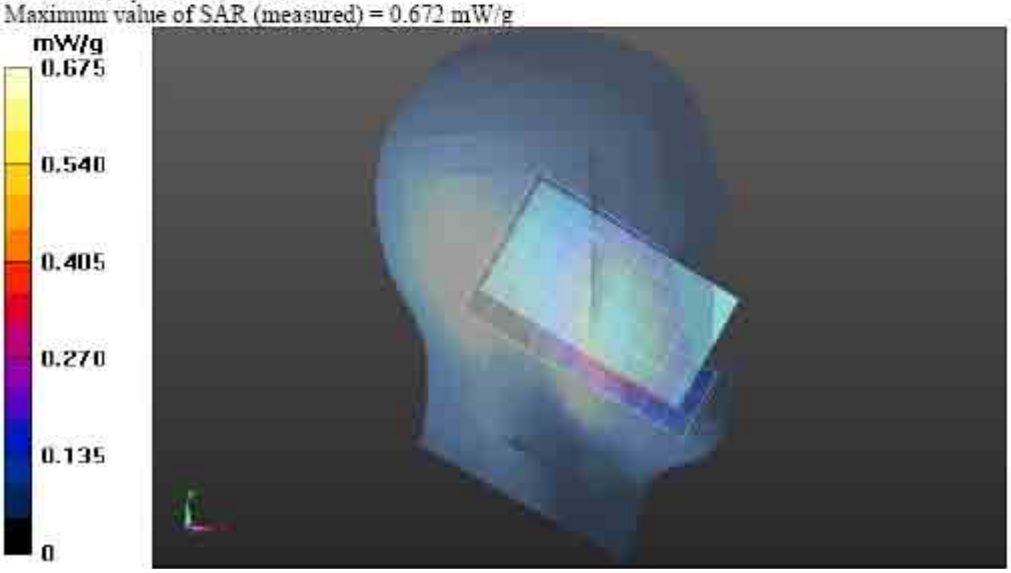
Comments: Full Scan; Touch; GTC_Band 14_10MHz_TM2.LBMF
10MHz channel, 16QAM, 1 RB with RB start=49 (upper edge). Power Adjust(All Up) On

Duty Cycle: 1:5.01187, Medium parameters used: f = 793 MHz; σ = 0.88 mho/m; ε_r = 42.3; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(6.29, 6.29, 6.29); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.5/Left Ear-Touch position/1-Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 24.935 V/m; Power Drift = 0.03 dB
Fast SAR: SAR(1 g) = 0.655 mW/g; SAR(10 g) = 0.453 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.692 mW/g

Below 3 GHz-Rev.5/Left Ear-Touch position/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 24.935 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.846 mW/g
SAR(1 g) = 0.644 mW/g; SAR(10 g) = 0.464 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.669 mW/g

Below 3 GHz-Rev.5/Left Ear-Touch position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.672 mW/g



Left Ear - Tilt LTE Band 14 (788-798 MHz)

Motorola Solutions, Inc. EME Laboratory
Date/Time: 6/1/2012 11:25:46 AM

Robot#: DASY5-FL-1 | Run#:	HvH-Lear-120601-02
Model#:	LEX700
Phantom#:	SAMTP1208
Tissue Temp:	21.3 (C)
Serial#:	12053522500102
Antenna:	Internal LTE (25.90AD4.001)
Test Freq:	793.0000 (MHz)
Battery:	Low Capacity (82-154162-01) and Cover (60.15U26.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.25119 (W)

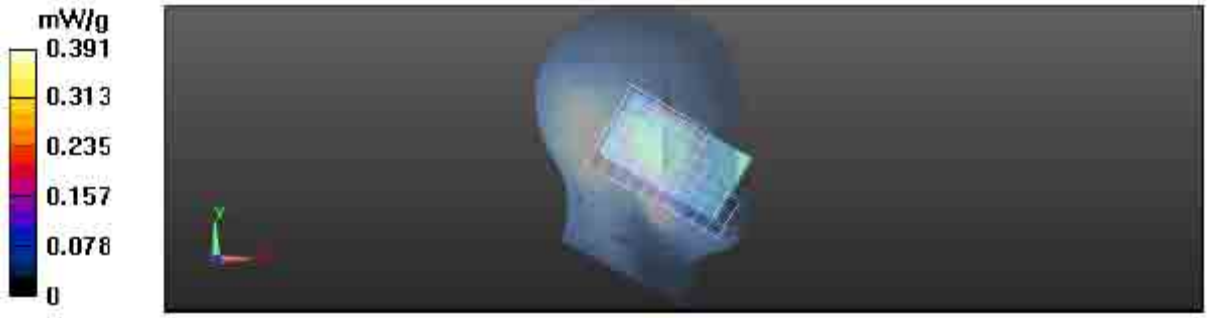
Comments: Full Scan; Tilt; GTC_Band 14_10MHz_TM2.LBMF
10MHz channel, 16QAM, 1 RB with RB start=49 (upper edge). Power Adjust(All Up) On

Duty Cycle: 1:5.01187, Medium parameters used: f = 793 MHz; σ = 0.88 mho/m; ε_r = 40.5; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(6.29, 6.29, 6.29); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.5/Left Ear-Touch position/1-Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 21.392 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 0.373 mW/g; SAR(10 g) = 0.266 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.392 mW/g

Below 3 GHz-Rev.5/Left Ear-Touch position/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 21.392 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.450 mW/g
SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.295 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.397 mW/g

Below 3 GHz-Rev.5/Left Ear-Touch position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.399 mW/g



Face LTE Band 14 (788-798 MHz)

Motorola Solutions, Inc. EME Laboratory
Date/Time: 6/1/2012 12:15:40 AM

Robot#: DASY5-FL-1 | Run#:	CM-Face-120531-19
Model#:	LEX700
Phantom#:	SAMTP1208
Tissue Temp:	21.1 (C)
Serial#:	12053522500102
Antenna:	Internal LTE (25.90AD4.001)
Test Freq:	793.0000 (MHz)
Battery:	Low Capacity (82-154162-01) and Cover (60.15U26.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.19953 (W)

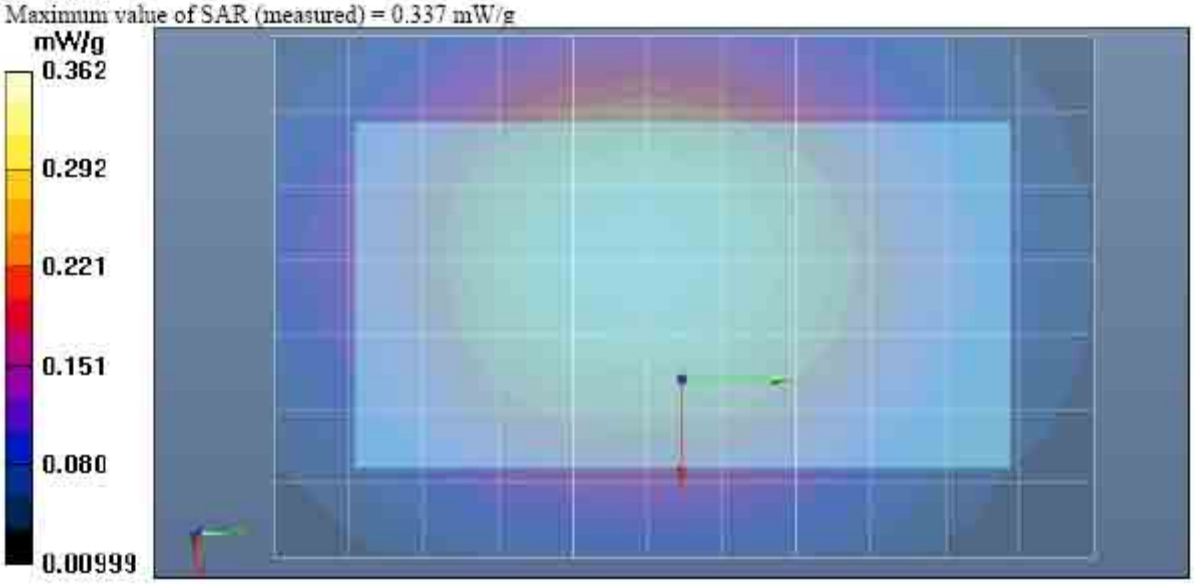
Comments: Full Scan
10MHz channel, 16QAM, 1 RB start = 0, low end of channel. Power adjust (All UP) on.

Duty Cycle: 1:5.01187, Medium parameters used: f = 793 MHz; σ = 0.88 mho/m; ε_r = 42.3; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3147, , ConvF(6.29, 6.29, 6.29); Calibrated: 1/25/2012
Electronics: DAE4 Sn1231, Calibrated: 3/5/2012

Below 3 GHz-Rev.5/Face Scan/1-Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 20.427 V/m; Power Drift = -0.24 dB
Fast SAR: SAR(1 g) = 0.351 mW/g; SAR(10 g) = 0.254 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.363 mW/g

Below 3 GHz-Rev.5/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.427 V/m; Power Drift = -0.44 dB
Peak SAR (extrapolated) = 0.417 mW/g
SAR(1 g) = 0.343 mW/g; SAR(10 g) = 0.260 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.354 mW/g

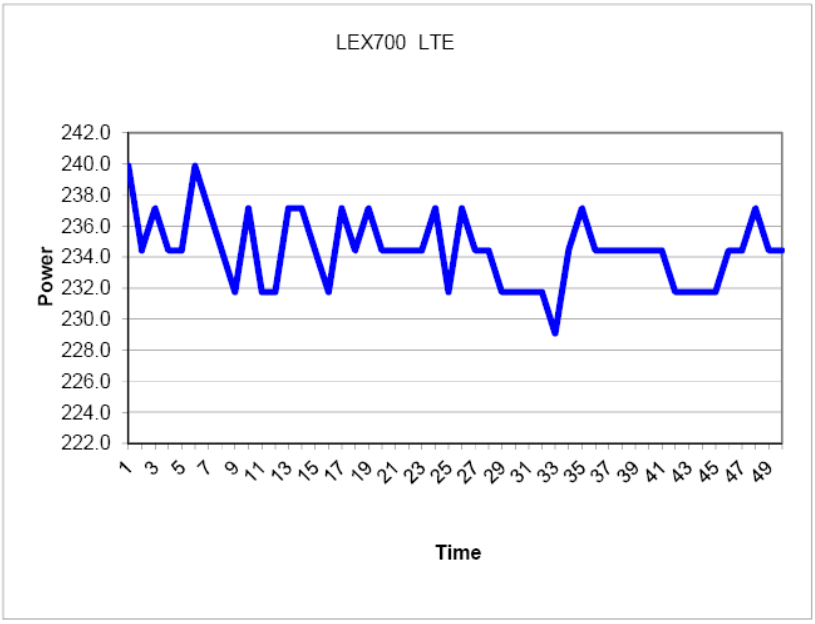
Below 3 GHz-Rev.5/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.337 mW/g



G.8 Power Slump Data

10MHz channel, 16QAM, 1 RB at the high end of channel edge.
LTE B14 Channel 23330 (793MHz)
Low capacity Battery (82-154162-01)

Time [min]	Power [mW]
1	239.9
2	234.4
3	237.1
4	234.4
5	234.4
6	239.9
7	237.1
8	234.4
9	231.7
10	237.1
11	231.7
12	231.7
13	237.1
14	237.1
15	234.4
16	231.7
17	237.1
18	234.4
19	237.1
20	234.4
21	234.4
22	234.4
23	234.4
24	237.1
25	231.7
26	237.1
27	234.4
28	234.4
29	231.7
30	231.7
31	231.7
32	231.7
33	229.1
34	234.4
35	237.1
36	234.4
37	234.4
38	234.4
39	234.4
40	234.4
41	234.4
42	231.7



Appendix H
WLAN 5GHz (802.11a/n) Testing

This appendix includes the following SAR Measurement System Verification / DUT Test Methodology / DUT Test Data / System Performance Scans / DUT Scans / and Power Slump Data for model LEX700 - WLAN 5GHz (802.11a/n).

H.1 SAR Measurement System Verification

The SAR measurements were conducted with probe model/serial number EX3DV4/3735. System performance checks are conducted daily and within 24 hours of testing. Probe and dipole calibration certificates and dipole targets are included in appendices B, C, D respectively. System performance checks are included in this appendix for WLAN 5GHz (802.11a/n) testing.

System validation results and dipole targets are provided in Appendix D. The EMS EME lab validated the dipole to the applicable IEEE 1528-2003 system performance targets. Within the same day system validation was performed using FCC body tissue parameters to generate the system performance target values for body at the applicable frequency.

H.1.1 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 +/- 10% 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 H.1

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
Simulated Tissue Measurements for 5 GHz testing						
5200	FCC Body	5.30 (4.77 – 5.83)	49.0 (44.1 – 53.9)	4.94	53.0	5/19/2012
				5.33	46.6	6/1/2012
				5.72	45.8	6/4/2012
				5.46	44.9	6/9/2012
				5.43	44.7	6/10/2012
				5.69	49.0	7/26/2012
5240	FCC Body	5.35 (4.81 – 5.88)	49.0 (44.1 – 53.9)	5.44	46.3	6/1/2012
				5.51	44.8	6/9/2012
5280	FCC Body	5.40 (4.86 – 5.94)	49.0 (44.1 – 53.9)	5.06	52.8	5/19/2012
				5.49	46.2	6/1/2012
				5.83	45.6	6/4/2012
				5.58	44.7	6/9/2012
				5.55	44.5	6/10/2012
				5.88	48.8	7/26/2012

TABLE H.1 (continued)

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
5320	FCC Body	5.44 (4.90 – 5.99)	48.9 (44.0 – 53.8)	5.56	46.2	6/1/2012
				5.64	44.7	6/9/2012
5500	FCC Body	5.65 (5.09 – 6.22)	48.6 (43.7– 53.4)	5.13	52.8	5/20/2012
				6.04	44.8	6/4/2012
				5.90	45.6	6/5/2012
				5.88	44.3	6/9/2012
				5.85	44.0	6/10/2012
				6.05	44.9	6/13/2012
5540	FCC Body	5.70 (5.13 – 6.27)	48.6 (43.7 – 53.4)	6.21	45.2	6/4/2012
				5.91	44.0	6/9/2012
5560	FCC Body	5.72 (5.15 – 6.29)	48.5 (43.7 – 53.4)	5.2	52.7	5/20/2012
				6.22	45.4	6/4/2012
				5.93	43.9	6/10/2012
5640	FCC Body	5.81 (5.23 – 6.40)	48.4 (43.6 – 53.2)	6.11	45.3	6/5/2012
				6.06	43.7	6/10/2012
5660	FCC Body	5.84 (5.26 – 6.42)	48.4 (43.6 – 53.2)	6.09	43.7	6/10/2012
				6.28	44.6	6/13/2012
5765	FCC Body	5.96 (5.36 – 6.56)	48.2 (43.4 – 53.0)	6.17	44.1	6/7/2012
				6.16	44.0	6/8/2012
5800	FCC Body	6.00 (5.40 – 6.60)	48.2 (43.4 – 53.0)	6.31	44.2	6/6/2012
				6.23	44.1	6/7/2012
				6.21	43.9	6/8/2012
				6.31	43.7	6/9/2012
5805	FCC Body	6.01 (5.41 – 6.61)	48.2 (43.4 – 53.0)	6.32	44.2	6/6/2012
				6.32	44.1	6/7/2012
				6.32	43.7	6/9/2012
5825	FCC Body	6.03 (5.43 – 6.63)	48.4 (43.6 – 53.2)	6.26	44.1	6/7/2012
				6.34	43.6	6/9/2012
5200	IEEE Head	4.66 (4.19 – 5.13)	36.0 (32.4 – 39.6)	4.72	34.5	5/8/2012
				4.57	33.7	5/9/2012
				4.70	33.7	5/10/2012
				4.59	33.7	5/12/2012
				4.41	33.9	5/14/2012
				4.82	34.1	5/26/2012
				4.70	33.2	5/27/2012
				4.72	33.7	5/29/2012
				4.77	33.5	6/10/2012
5240	IEEE Head	4.70 (4.23 - 5.17)	36.0 (32.4 – 39.6)	4.84	34.0	5/26/2012
				4.74	33.1	5/27/2012
				4.77	33.7	5/29/2012

TABLE H.1 (continued)

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
5280	IEEE Head	4.74 (4.27 – 5.21)	35.9 (32.31 – 39.49)	4.84	34.0	5/8/2012
				4.68	33.3	5/9/2012
				4.81	33.4	5/10/2012
				4.66	33.7	5/12/2012
				4.46	34.0	5/14/2012
				4.81	33.6	5/29/2012
				4.86	33.3	6/10/2012
5320	IEEE Head	4.78 (4.30 – 5.26)	35.9 (32.31 – 39.49)	4.98	33.8	5/26/2012
				4.83	33.0	5/27/2012
				4.84	33.6	5/29/2012
5500	IEEE Head	4.97 (4.47 – 5.46)	35.7 (32.13 – 39.27)	4.94	33.5	5/11/2012
				4.92	33.2	5/12/2012
				4.77	33.5	5/13/2012
				4.78	33.6	5/14/2012
				5.20	33.3	5/15/2012
5540	IEEE Head	5.01 (4.51 - 5.51)	35.6 (32.04 – 39.16)	5.00	33.4	5/11/2012
				4.80	33.5	5/13/2012
				4.81	33.6	5/14/2012
5560	IEEE Head	5.03 (4.53 – 5.53)	35.6 (32.04 – 39.16)	5.01	33.3	5/11/2012
				5.01	33.1	5/12/2012
				4.81	33.4	5/13/2012
				4.83	33.4	5/14/2012
5640	IEEE Head	5.11 (4.61 – 5.61)	35.5 (31.95 – 39.05)	5.06	33.3	5/11/2012
				4.92	33.2	5/13/2012
				5.40	33.0	5/15/2012
5660	IEEE Head	5.13 (4.62 – 5.64)	35.5 (31.95 – 39.05)	5.09	33.3	5/11/2012
				4.96	33.2	5/13/2012
				4.97	33.3	5/14/2012
				5.43	33.0	5/15/2012
5765	IEEE Head	5.24 (4.72 – 5.76)	35.5 (31.95 – 39.05)	5.32	33.5	5/17/2012
				5.26	32.2	5/18/2012
				5.31	32.8	5/21/2012
				5.33	32.8	5/30/2012
5800	IEEE Head	5.27 (4.74 – 5.80)	35.5 (31.95 – 39.05)	5.36	32.4	5/16/2012
				5.35	33.4	5/17/2012
				5.30	32.2	5/18/2012
				5.34	32.8	5/21/2012
				5.35	32.8	5/30/2012
				5.24	32.6	5/31/2012
5805	IEEE Head	5.28 (4.75 – 5.81)	35.5 (31.95 – 39.05)	5.37	32.4	5/16/2012
				5.35	33.4	5/17/2012
				5.34	32.8	5/21/2012
				5.35	32.8	5/30/2012

TABLE H.1 (continued)

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
5825	IEEE Head	5.30 (4.77 – 5.83)	35.5 (31.95 – 39.05)	5.36	33.4	5/17/2012
				5.36	32.7	5/21/2012
				5.37	32.7	5/30/2012
				5.26	32.6	5/31/2012

H.1.2 System Check Test Results

System performance checks at 5.2, 5.5 & 5.8GHz were conducted each day during the SAR assessment. The results are normalized to 1W. Section H.6 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 H.2

Probe Serial #	Tissue Type	Dipole Kit / Serial #	Reference SAR @ 1W (W/kg)	System Check Test Results when normalized to 1W (W/kg)	Tested Date
System Check result for 5GHz					
3735	5200(MHz) FCC Body	D5GHzV2 / 1017	80.00 +/- 10%	80.67	5/19/2012
				75.33	6/1/2012
				82.67	6/4/2012
				83.00	6/9/2012
				83.00	6/10/2012
				80.67	7/26/2012
3735	5500(MHz) FCC Body	D5GHzV2 / 1017	86.00 +/- 10%	83.33	5/20/2012
				87.33	6/4/2012
				86.67	6/5/2012
				79.90	6/9/2012
				79.90	6/10/2012
				85.33	6/13/2012
3735	5800(MHz) FCC Body	D5GHzV2 / 1017	76.10 +/- 10%	76.80	6/6/2012
				76.40	6/7/2012
				73.90	6/8/2012
				77.00	6/9/2012
3735	5200(MHz) IEEE Head	D5GHzV2 / 1017	81.33 +/- 10%	81.33	5/8/2012
				80.67	5/9/2012
				84.67	5/10/2012
				82.00	5/12/2012
				78.00	5/14/2012
				88.00	5/26/2012
				84.67	5/27/2012
				86.67	5/29/2012
				89.33	6/10/2012
3735	5500(MHz) IEEE Head	D5GHzV2 / 1017	88.00 +/- 10%	90.67	5/11/2012
				90.00	5/12/2012
				86.67	5/13/2012
				88.67	5/14/2012
				94.67	5/15/2012
3735	5800(MHz) IEEE Head	D5GHzV2 / 1017	82.40 +/- 10%	88.70	5/16/2012
				90.00	5/17/2012
				87.40	5/18/2012
				88.90	5/21/2012
				88.67	5/30/2012
				87.33	5/31/2012

Note: See APPENDIX D for an explanation of the reference SAR targets stated above.

H.2 DUT Test Methodology

H.2.1 Measurements

SAR measurements were performed using the DASY system described in section 8.0 using coarse, zoom and Z axis scans. SAM and Flat phantoms were filled with applicable simulated tissue, which were used for head, face and body testing.

H.2.2 DUT Configuration(s)

The DUT is a portable device as described in section 6.0. This appendix is specific to WLAN 5GHz (802.11a/n) 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 K illustrates the DUT and offered accessories.

H.2.3 DUT Positioning Procedures

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

H.2.3.1 Body

The DUT was positioned in normal use configuration against the phantom with the offered body worn accessory as well as with and without the offered data cable accessory.

H.2.3.2 Head

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

H.2.3.3 Face

The DUT was positioned with its' front side separated 2.5cm from the phantom.

H.3 Output Power Data WLAN 5GHz (802.11a/n)

The tables below represent the output power measurements for WLAN 5GHz 802.11a/n. These power measurements were used to determine the necessary modes for SAR testing according to KDB 248227 D01 SAR Measurement Procedures for 802.11a/b/g/ Transmitters.

Testing was done in the 802.11a for bands 5.18-5.32GHz and 5.5-5.7GHz and 802.11n for band 5.745-5.825GHz due to higher measured output power. Additionally adjacent channels were selected instead of required channels because of higher output power per KDB 248227. Refer to output power measurements in Table H.3a and 3b.

In some cases the initial power listed herein may exceed the reported maximum power due to software step size tuning limitations. However, the initial powers measured are not greater than 5% of the reported maximum power.

TABLE H.3a - Output Power WLAN 5GHz (802.11a)

Mode	Channel Frequency (MHz)	Modulation	Req'd Ch.	Higher Adjacent Ch.	1x Batt. Main Ant. Output Power (mW)	1x Batt. Diversity Ant. Output Power (mW)	2x Batt. Main Ant. Output Power (mW)	2x Batt. Diversity Ant. Output Power (mW)	Main Ant.Max Pwr (mW)	Diversity Ant. Max Pwr (mW)
802.11a (6Mbps)	5180	OFDM	√		19.35	12.21	NA	NA		
	5200			√*	20.26	12.21	18.91	11.93		
	5220				19.80	12.21	NA	NA		
	5240		√*		20.26	12.49	18.91	12.21	21.26	15.20
	5260		√		45.71	28.18	NA	NA		
	5280			√*	46.77	28.84	44.67	28.18		
	5300				41.69	26.92	NA	NA		
	5320		√*		43.65	28.18	41.69	27.54	46.80	30.42
	5500				33.11	25.70	NA	NA		
	5520		√		33.88	23.44	NA	NA		
	5540			√*	35.48	23.99	32.36	23.99		
	5560			√*	35.48	23.99	30.90	23.44		
	5580		√		32.36	22.39	NA	NA		
	5600				31.62	20.89	NA	NA		
	5620		√		32.36	21.88	NA	NA		
	5640			√*	35.48	23.99	35.48	23.44		
	5660			√*	33.88	22.91	30.90	22.39		
	5680		√		31.62	20.89	NA	NA		
	5700				24.55	17.78	NA	NA	41.20	29.45
	5745		√		38.02	25.70	NA	NA		
	5765				39.81	26.92	NA	NA		
	5785		√		39.81	26.30	NA	NA		
	5805				31.62	25.70	NA	NA		
	5825		√		38.90	25.70	NA	NA	39.80	33.83

*Tested channels

TABLE H.3b - Output Power WLAN 5GHz (802.11n)

Mode	Channel Frequency (MHz)	Modulation	Req'd Ch.	Higher Adjacent Ch.	1x Batt. Main Ant. Output Power (mW)	1x Batt. Diversity Ant. Output Power (mW)	2x Batt. Main Ant. Output Power (mW)	2x Batt. Diversity Ant. Output Power (mW)	Main Ant.Max Pwr (mW)	Diversity Ant. Max Pwr (mW)
802.11n (MCS0)	5180	OFDM	√		16.89	10.66	NA	NA	21.26	11.50
	5200				17.69	10.42	NA	NA		
	5220				17.29	10.18	NA	NA		
	5240		√		17.69	9.72	NA	NA		
	5260		√		41.69	25.12	NA	NA	44.95	26.30
	5280				42.66	23.44	NA	NA		
	5300				42.66	26.30	NA	NA		
	5320		√		44.67	27.54	NA	NA		
	5500				35.48	23.44	NA	NA	39.80	29.85
	5520		√		34.67	22.91	NA	NA		
	5540				36.31	24.55	NA	NA		
	5560				36.31	24.55	NA	NA		
	5580		√		33.88	22.39	NA	NA		
	5600				33.11	21.88	NA	NA		
	5620		√		33.11	22.39	NA	NA		
	5640				35.48	22.39	NA	NA		
	5660				34.67	23.44	NA	NA		
	5680		√		31.62	22.91	NA	NA		
	5700				31.62	21.88	NA	NA		
	5745		√		39.81	25.12	NA	NA	43.70	33.21
	5765			√*	40.74	26.30	39.81	25.12		
	5785		√		39.81	26.92	NA	NA		
	5805			√*	40.74	25.70	40.74	25.70		
	5825		√*		40.74	25.70	39.81	25.70		

*Tested channels

H.4 DUT Test Data

H.4.1 Assessments at 802.11a (5.18 – 5.32GHz) Test Data

H.4.1.1 Assessments at the Body

Assessment of the holster; The DUT was tested for both WLAN main and diversity antennas with the holster, at mid channel using offered low capacity battery (82-154162-01) & cover (60.15U26.001) without any cable accessory attachment. The DUT was tested in each of four intended orientations within body worn Holster TTN1002A, the orientations are: 1) front/top up (display facing phantom) 2) front/bottom up (display facing phantom) 3) back/top up (battery facing phantom) 4) back/bottom up (battery facing phantom).

Refer to Appendix K for illustration of four orientations.

Assessment of the offered high capacity battery; The DUT was tested with the optional high capacity battery (82-154162-02) & cover (60.15U27.001) using the highest SAR configuration from above.

Assessment of the offered data cable accessory; The DUT was tested with the optional data cable using the highest SAR configuration from above.

Note – USB port access is only applicable to positions 1 & 3 “top up”.

Assessment across the frequency band; The highest test configuration from above; highest orientation per antenna with highest battery and highest w/without data cable was used to test across the frequency band for both WLAN main and diversity antennas.

Table H.4 presents the data of the body assessment. SAR plot(s) are included in section H.7 for the bolded data in Table H.4.

TABLE H.4

Assessments at the Body (WLAN 802.11a) 5.18 - 5.32GHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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 the body – holster with WLAN main antenna												
Internal WLAN main (25.90AD1.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/top up (display facing phantom)	None	5280	0.04677	-0.42	0.048	0.022	0.053	0.024	JsT-Ab-120519-06
			Holster TTN1002A, front/bottom up (display facing phantom)			0.04677	-0.64	0.107	0.044	0.124	0.051	JsT-Ab-120519-08
			Holster TTN1002A, back/top up (battery facing phantom)			0.04677	-0.53	0.523	0.215	0.591	0.243	JsT-Ab-120519-09
			Holster TTN1002A, back/bottom up (battery facing phantom)			0.04677	-0.68	0.480	0.190	0.562	0.222	CM-Ab-120519-10
Assessment at the body – holster with WLAN diversity antenna												
Internal WLAN diversity (25.90AD2.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/top up (display facing phantom)	None	5280	0.02884	-1.34	0.076	0.025	0.109	0.036	JsT-Ab-120601-05
			Holster TTN1002A, front/bottom up (display facing phantom)			0.02884	-0.89	0.075	0.031	0.097	0.040	CM-Ab-120519-14
			Holster TTN1002A, back/top up (battery facing phantom)			0.02884	-1.26	0.147	0.060	0.207	0.085	JsT-Ab-120601-08
			Holster TTN1002A, back/bottom up (battery facing phantom)			0.02884	-0.29	0.178	0.071	0.201	0.080	CM-Ab-120601-11
Assessment at the body – high capacity battery using highest position from above												
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Against Phantom	Holster TTN1002A, back/top up (battery facing phantom)	None	5280	0.04467	-0.04	0.273	0.111	0.289	0.117	CM-Ab-120601-12
Assessment at the body – data cable using highest battery and applicable position from above Note - USB port access is only applicable to "top up" position.												
Internal WLAN main (25.90AD1.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, back/top up (battery facing phantom)	USB data cable 25-128458-01R	5280	0.04467	-0.53	0.567	0.207	**0.671**	**0.245**	JsT-Ab-120604-02

TABLE H.4 (continued)

Assessments at the Body (WLAN 802.11a) 5.18 - 5.32GHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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 the body – freq. search WLAN main antenna using highest position from above												
Internal WLAN main (25.90AD1.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, back/top up (battery facing phantom)	USB data cable 25-128458-01R	5200	0.02026	-0.17	0.229	0.091	0.250	0.099	CM-Ab-120601-14
					5240	0.02026	-0.57	0.262	0.102	0.313	0.122	CM-Ab-120601-15
					5320	0.04365	-0.72	0.371	0.149	0.469	0.189	CM-Ab-120601-16
Assessment at the body – freq. search WLAN diversity antenna using highest diversity orientation and highest battery from above												
Internal WLAN diversity (25.90AD2.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, back/top up (battery facing phantom)	USB data cable 25-128458-01R	5200	0.01221	-0.40	0.072	0.030	0.098	0.041	CM-Ab-120609-08
					5240	0.01249	-0.34	0.064	0.026	0.084	0.034	CM-Ab-120609-09
					5280	0.02884	-0.26	0.121	0.049	0.136	0.055	CM-Ab-120609-10
					5320	0.02818	-0.66	0.116	0.047	0.146	0.059	CM-Ab-120609-11

H.4.1.2 Assessments at the Head

Assessment of the right ear test positions and applicable frequencies; The DUT was tested for both WLAN main and diversity antennas at the right ear in the cheek touch position using the offered low capacity battery (82-154162-01) & cover (60.15U26.001) at the center frequency of the band.

Assessment of the offered high capacity battery; The DUT was tested with the optional high capacity battery (82-154162-02) & cover (60.15U27.001) using the highest SAR configuration from above.

Assessment of the right ear cheek tilt position; The DUT was tested for both WLAN main and diversity antennas at the right ear in the cheek tilt position using the highest SAR battery from above.

Assessment across the frequency band; The highest test configuration for each antenna with the highest SAR battery from above was used to test across the frequency band for both WLAN main and diversity antennas

Table H.5 presents the data of the head assessments. SAR plot(s) are included in section H.7 for the bolded data in Table H.5.

TABLE H.5

Assessments at the Head (WLAN 802.11a) 5.18 - 5.32GHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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 the right ear touch – WLAN main and diversity antennas												
Internal WLAN main (25.90AD1.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	5280	0.04677	0.03	0.255	0.097	0.255	0.097	CM-Rear-120508-02
Internal WLAN diversity (25.90AD2.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	5280	0.02884	-0.52	0.112	0.052	0.133	0.062	JsT-Rear-120509-02
Assessment at the right ear touch– – high capacity battery using highest position from above												
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek touch	None	None	5280	0.04467	-0.79	0.253	0.094	**0.318**	**0.118**	CM-Rear-120508-07
Assessment at the right ear tilt – WLAN main and diversity antennas												
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek tilt	None	None	5280	0.04467	-0.61	0.200	0.083	**0.241**	**0.100**	JsT-Rear-120509-03
Internal WLAN diversity (25.90AD2.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek tilt	None	None	5280	0.02818	-0.97	0.068	0.036	0.091	0.048	JsT-Rear-120509-05
Assessment at the right ear touch- freq. search WLAN main antenna using highest position from above for main antenna												
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek touch	None	None	5200	0.01891	-0.84	0.186	0.069	0.254	0.094	JsT-Rear-120526-02
					5240	0.01891	-0.97	0.156	0.058	0.219	0.082	JsT-Rear-120526-03
					5320	0.04169	-0.81	0.223	0.085	0.302	0.115	JsT-Rear-120526-04
Assessment at the right ear touch - freq. search WLAN diversity antenna using highest position from above for diversity antenna												
Internal WLAN diversity (25.90AD2.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek touch	None	None	5200	0.01193	-0.39	0.068	0.035	0.095	0.049	JsT-Rear-120526-06
					5240	0.01221	-0.94	0.062	0.034	0.096	0.053	JsT-Rear-120526-08
					5280	0.02818	-0.20	0.073	0.025	0.083	0.028	HvH-Rear-120610-05
					5320	0.02754	-0.64	0.091	0.045	0.116	0.058	JsT-Rear-120526-10

Assessment of the left ear test positions and applicable frequencies; The DUT was tested for both WLAN main and diversity antennas at the left ear in cheek touch position using the highest battery from right ear assessment.

Assessment of the left ear cheek tilt position; The DUT was tested for both WLAN main and diversity antennas at the left ear in the cheek tilt position using the highest battery from right ear assessment.

Assessment across the frequencies band edges; The highest test configuration from above for each antenna was used to test across the frequency band for both WLAN main and diversity antennas.

Table H.6 presents the data of the head assessments. SAR plot(s) are included in section H.7 for the bolded data in Table H.6.

TABLE H.6

Assessments at the Head (WLAN 802.11a) 5.18 - 5.32GHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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 the left ear touch – WLAN main and diversity antennas												
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek touch	None	None	5280	0.04467	-1.09	0.219	0.088	0.295	0.118	CM-Lear-120509-16
Internal WLAN diversity (25.90AD2.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek touch	None	None	5280	0.02818	-0.67	0.482	0.144	**0.607**	**0.181**	JsT-Lear-120510-04
Assessment at the left ear tilt – WLAN main and diversity antennas												
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek tilt	None	None	5280	0.04467	0.16	0.267	0.104	**0.280**	**0.109**	JsT-Lear-120510-06
Internal WLAN diversity (25.90AD2.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek tilt	None	None	5280	0.02818	-0.41	0.175	0.068	0.208	0.081	JsT-Lear-120510-08
Assessment at the left ear tilt- freq. search WLAN main antenna using highest position from above for main antenna												
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek touch	None	None	5200	0.01891	-0.42	0.123	0.037	0.152	0.046	JsT-Lear-120526-11
					5240	0.01891	-0.71	0.125	0.045	0.165	0.060	JsT-Lear-120526-12
					5320	0.04169	-0.46	0.220	0.085	0.275	0.106	JsT-Lear-120526-13
Assessment at the left ear touch - freq. search WLAN diversity antenna using highest position from above for diversity antenna												
Internal WLAN diversity (25.90AD2.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek touch	None	None	5200	0.01193	-0.62	0.233	0.075	0.342	0.110	CM-Lear-120527-03
					5240	0.01221	-0.67	0.251	0.078	0.365	0.113	CM-Lear-120527-04
					5320	0.02754	-0.51	0.300	0.093	0.373	0.116	CM-Lear-120527-05

H.4.1.3 Assessments at the Face

Assessment of the applicable frequencies; The DUT was tested using the battery with the highest SAR from right ear for both WLAN main and diversity antennas across the band.

Table H.7 presents the data of the face assessments. SAR plot(s) are included in section H.7 for the bolded data in Table H.7.

TABLE H.7

Assessments at the Face (WLAN 802.11a) 5.18 - 5.32GHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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 the face – 2.5cm WLAN main antenna												
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Front 2.5cm	None	None	5200	0.01891	-0.88	0.026	0.011	0.036	0.015	JsT-Face-120529-05
					5240	0.01891	-1.03	0.018	0.007	0.026	0.010	JsT-Face-120529-07
					5280	0.04467	-0.72	0.038	0.016	0.047	0.020	CM-Face-120512-15
					5320	0.04169	-1.03	0.030	0.012	0.043	0.017	JsT-Face-120529-08
Assessment at the face – 2.5cm WLAN diversity antenna												
Internal WLAN diversity (25.90AD2.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Front 2.5cm	None	None	5200	0.01193	-1.50	0.026	0.010	0.047	0.018	JsT-Face-120529-11
					5240	0.01221	-0.58	0.019	0.008	0.027	0.012	JsT-Face-120529-13
					5280	0.02818	-0.97	0.030	0.013	0.040	0.018	JsT-Face-120514-08
					5320	0.02754	-0.74	0.040	0.017	**0.052**	**0.022**	JsT-Face-120529-15

H.4.2 Assessments at 802.11a (5.5 – 5.7GHz) Test Data

H.4.2.1 Assessments at the Body

Assessment of the holster; The DUT was tested for both WLAN main and diversity antennas with the holster, at mid channel using offered low capacity battery (82-154162-01) & cover (60.15U26.001) without any cable accessory attachment. The DUT was tested in each of four intended orientations within body worn Holster TTN1002A, the orientations are: 1) front/top up (display facing phantom) 2) front/bottom up (display facing phantom) 3) back/top up (battery facing phantom) 4) back/bottom up (battery facing phantom).

Refer to Appendix K for illustration of four orientations.

Assessment of the offered high capacity battery; The DUT was tested with the optional high capacity battery (82-154162-02) & cover (60.15U27.001) using the highest SAR configuration from above.

Assessment of the offered data cable accessory; The DUT was tested with the optional data cable using the highest SAR configuration from above.

Note – USB port access is only applicable to positions 1 & 3 “top up”.

Assessment across the frequency band; The highest test configuration from above; highest orientation per antenna with highest battery and highest w/without data cable was used to test across the frequency band for both WLAN main and diversity antennas..

Table H.8 presents the data of the body assessment. SAR plot(s) are included in section H.7 for the bolded data in Table H.8.

Table H.8

Assessments at the Body (WLAN 802.11a) 5.5 - 5.7GHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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 the body – holster with WLAN main antenna												
Internal WLAN main (25.90AD1.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/top up (display facing phantom)	None	5560	0.03548	-0.96	0.037	0.015	0.054	0.022	JsT-Ab-120520-02
			Holster TTN1002A , front/bottom up (display facing phantom)			0.03548	-0.49	0.074	0.030	0.096	0.039	JsT-Ab-120520-04
			Holster TTN1002A , back/top up (battery facing phantom)			0.03548	-0.79	0.215	0.077	0.299	0.107	JsT-Ab-120520-05
			Holster TTN1002A , back/bottom up (battery facing phantom)			0.03548	-1.04	0.177	0.062	0.261	0.091	JsT-Ab-120520-06
Assessment at the body – holster with WLAN diversity antenna												
Internal WLAN diversity (25.90AD2.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/top up (display facing phantom)	None	5560	0.02399	-0.62	0.052	0.020	0.074	0.028	JsT-Ab-120520-08
			Holster TTN1002A , front/bottom up (display facing phantom)			0.02399	-0.46	0.069	0.025	0.094	0.034	JsT-Ab-120520-10
			Holster TTN1002A , back/top up (battery facing phantom)			0.02399	-1.11	0.108	0.046	0.171	0.073	CM-Ab-120520-12
			Holster TTN1002A , back/bottom up (battery facing phantom)			0.02399	-0.81	0.153	0.067	0.226	0.099	CM-Ab-120520-15

TABLE H.8 (continued)

Assessments at the Body (WLAN 802.11a) 5.5 - 5.7GHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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 the body – high capacity battery using highest position from above												
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Against Phantom	Holster TTN1002A , back/top up (battery facing phantom)	None	5560	0.0309	-1.05	0.248	0.086	0.421	0.146	CM-Ab-120604-10
Assessment at the body – data cable using highest battery and applicable position from above Note - USB port access is only applicable to "top up" position.												
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Against Phantom	Holster TTN1002A , back/top up (battery facing phantom)	USB data cable 25-128458-01R	5560	0.0309	-0.26	0.198	0.071	0.280	0.101	CM-Ab-120604-11
Assessment at the body – freq. search WLAN main antenna using highest position from above												
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Against Phantom	Holster TTN1002A , back/top up (battery facing phantom)	None	5540	0.03236	-0.20	0.228	0.081	0.304	0.108	CM-Ab-120604-15
					*5640	0.03548	-1.04	0.268	0.092	0.395	0.136	JsT-Ab-120605-04
					5660	0.0309	-0.94	0.306	0.104	**0.507**	**0.172**	JsT-Ab-120613-07
Assessment at the body – freq. search WLAN diversity antenna using highest position from above												
Internal WLAN diversity (25.90AD2.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Against Phantom	Holster TTN1002A , back/bottom up (battery facing phantom)	None	5540	0.02399	-0.40	0.136	0.053	0.183	0.071	CM-Ab-120609-13
					5560	0.02344	-0.62	0.123	0.017	0.178	0.025	HvH-Ab-120610-01
					*5640	0.02344	-0.19	0.147	0.021	0.193	0.028	HvH-Ab-120610-02
					5660	0.02239	-0.53	0.173	0.051	0.257	0.076	HvH-Ab-120610-03

Note * - Even though this channel is not applicable per KDB443999 it could be applicable for other countries.

H.4.2.2 Assessments at the Head

Assessment of the right ear test positions and applicable frequencies; The DUT was tested for both WLAN main and diversity antennas at the right ear in the cheek touch position using the offered low capacity battery (82-154162-01) & cover (60.15U26.001) at the center frequency of the band.

Assessment of the offered high capacity battery; The DUT was tested with the optional high capacity battery (82-154162-02) & cover (60.15U27.001) using the highest SAR configuration from above.

Assessment of the right ear cheek tilt position; The DUT was tested for both WLAN main and diversity antennas at the right ear in the cheek tilt position using the highest SAR battery from above.

Assessment across the frequency band; The highest test configuration for each antenna with the highest SAR battery from above was used to test across the frequency band for both WLAN main and diversity antennas

Table H.9 presents the data of the head assessments. SAR plot(s) are included in section H.7 for the bolded data in Table H.9.

TABLE H.9

Assessments at the Head (WLAN 802.11a) 5.5 - 5.7GHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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 the right ear touch – WLAN main and diversity antennas												
Internal WLAN main (25.90AD1.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	5560	0.03548	-0.46	0.201	0.075	0.259	0.097	JsT-Rear-120511-02
Internal WLAN diversity (25.90AD2.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	5560	0.02399	-0.79	0.084	0.045	0.124	0.066	JsT-Rear-120511-03
Assessment at the right ear touch– – high capacity battery using highest position from above												
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek touch	None	None	5560	0.0309	-0.69	0.152	0.061	0.238	0.095	JsT-Rear-120511-05
Assessment at the right ear tilt – WLAN main and diversity antennas												
Internal WLAN main (25.90AD1.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek tilt	None	None	5560	0.03548	-0.87	0.091	0.039	0.129	0.055	JsT-Rear-120511-06
Internal WLAN diversity (25.90AD2.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek tilt	None	None	5560	0.02399	-0.62	0.108	0.052	0.153	0.074	JsT-Rear-120511-07
Assessment at the right ear touch- freq. search WLAN main antenna using highest position from above for main antenna												
Internal WLAN main (25.90AD1.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	5540	0.03548	-0.47	0.202	0.085	**0.261**	**0.110**	JsT-Rear-120511-09
					*5640	0.03548	-0.59	0.153	0.061	0.204	0.081	JsT-Rear-120511-10
					5660	0.03388	-0.65	0.138	0.056	0.195	0.079	JsT-Rear-120511-11
Assessment at the right ear touch - freq. search WLAN diversity antenna using highest position from above for diversity antenna												
Internal WLAN diversity (25.90AD2.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek tilt	None	None	5540	0.02399	-0.75	0.075	0.040	0.109	0.058	JsT-Rear-120511-12
					*5640	0.02399	-0.87	0.106	0.052	**0.159**	**0.078**	CM-Rear-120511-13
					5660	0.02291	-0.76	0.103	0.053	0.158	0.081	CM-Rear-120511-14

Note * - Even though this channel is not applicable per KDB443999 it could be applicable for other countries.

Assessment of the left ear test positions and applicable frequencies; The DUT was tested for both WLAN main and diversity antennas at the left ear in cheek touch position using the highest battery from right ear assessment.

Assessment of the left ear cheek tilt position; The DUT was tested for both WLAN main and diversity antennas at the left ear in the cheek tilt position using the highest battery from right ear assessment.

Assessment across the frequencies band edges; The highest test configuration from above for each antenna was used to test across the frequency band for both WLAN main and diversity antennas.

Table H.10 presents the data of the head assessments. SAR plot(s) are included in section H.7 for the bolded data in Table H.10.

TABLE H.10

Assessments at the Head (WLAN 802.11a) 5.5 - 5.7GHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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 the left ear touch – WLAN main and diversity antennas												
Internal WLAN main (25.90AD1.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	5560	0.03548	-0.68	0.066	0.025	0.090	0.034	CM-Lear-120511-18
Internal WLAN diversity (25.90AD2.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	5560	0.02399	-0.53	0.372	0.115	**0.516**	**0.159**	JsT-Lear-120512-03
Assessment at the left ear tilt – WLAN main and diversity antennas												
Internal WLAN main (25.90AD1.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek tilt	None	None	5560	0.03548	-0.57	0.049	0.021	0.065	0.028	JsT-Lear-120512-05
Internal WLAN diversity (25.90AD2.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek tilt	None	None	5560	0.02399	-0.71	0.128	0.061	**0.185**	**0.088**	JsT-Lear-120512-06
Assessment at the left ear tilt- freq. search WLAN main antenna using highest position from above for main antenna												
Internal WLAN main (25.90AD1.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	5540	0.03548	0.06	0.051	0.024	0.059	0.028	HvH-Lear-120513-02
					*5640	0.03548	-0.70	0.127	0.047	0.173	0.064	HvH-Lear-120513-03
					5660	0.03388	-0.44	0.131	0.046	0.176	0.062	HvH-Lear-120513-04
Assessment at the left ear touch - freq. search WLAN diversity antenna using highest position from above for diversity antenna												
Internal WLAN diversity (25.90AD2.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	5540	0.02399	0.85	0.294	0.099	0.361	0.122	CM-Lear-120513-06
					*5640	0.02399	0.15	0.318	0.108	0.390	0.133	CM-Lear-120513-08
					5660	0.02291	-0.83	0.329	0.106	0.512	0.165	CM-Lear-120513-09

Note * - Even though this channel is not applicable per KDB443999 it could be applicable for other countries.

H.4.2.3 Assessments at the Face

Assessment of the applicable frequencies; The DUT was tested using the battery with the highest SAR from right ear for both WLAN main and diversity antennas across the band.

Table H.11 presents the data of the face assessments. SAR plot(s) are included in section H.7 for the bolded data in Table H.11.

TABLE H.11

Assessments at the Face (WLAN 802.11a) 5.5 - 5.7GHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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 the face – 2.5cm WLAN main antenna												
Internal WLAN main (25.90AD1.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Front 2.5cm	None	None	5540	0.03548	-1.01	0.028	0.012	0.041	0.018	CM-Face-120513-10
					5560	0.03548	-0.78	0.029	0.012	0.040	0.017	CM-Face-120513-12
					*5640	0.03548	-0.66	0.030	0.013	0.041	0.018	CM-Face-120513-13
					5660	0.03388	-0.66	0.034	0.014	**0.048**	**0.020**	CM-Face-120514-13
Assessment at the face – 2.5cm WLAN diversity antenna												
Internal WLAN diversity (25.90AD2.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Front 2.5cm	None	None	5540	0.02399	-0.54	0.020	0.008	0.028	0.010	CM-Face-120514-15
					5560	0.02399	-0.56	0.020	0.008	0.028	0.011	CM-Face-120514-17
					*5640	0.02399	-0.87	0.020	0.008	0.030	0.013	JsT-Face-120515-05
					5660	0.02291	-0.65	0.028	0.011	0.042	0.016	JsT-Face-120515-07

Note * - Even though this channel is not applicable per KDB443999 it could be applicable for other countries.

H.4.3 Assessments at 802.11n (5.745 – 5.825GHz) Test Data

H.4.3.1 Assessments at the Body

Assessment of the holster; The DUT was tested for both WLAN main and diversity antennas with the holster, at mid channel using offered low capacity battery (82-154162-01) & cover (60.15U26.001) without any cable accessory attachment. The DUT was tested in each of four intended orientations within body worn Holster TTN1002A, the orientations are: 1) front/top up (display facing phantom) 2) front/bottom up (display facing phantom) 3) back/top up (battery facing phantom) 4) back/bottom up (battery facing phantom).

Refer to Appendix K for illustration of four orientations.

Assessment of the offered high capacity battery; The DUT was tested with the optional high capacity battery (82-154162-02) & cover (60.15U27.001) using the highest SAR configuration from above.

Assessment of the offered data cable accessory; The DUT was tested with the optional data cable using the highest SAR configuration from above.

Note – USB port access is only applicable to positions 1 & 3 “top up”.

Assessment across the frequency band; The highest test configuration from above; highest orientation per antenna with highest battery and highest w/without data cable was used to test across the frequency band for both WLAN main and diversity antennas..

Table H.12 presents the data of the body assessment. SAR plot(s) are included in section H.7 for the bolded data in Table H.12.

TABLE H.12

Assessments at the Body (WLAN 802.11n) 5.745 - 5.825GHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 10g-SAR (mW/g)**	**Meas. 1g-SAR (mW/g)**	**Max Calc. 1g-SAR (mW/g)**	**Max Calc. 10g-SAR (mW/g)**	**Run Number**
Assessment at the body – holster with WLAN main antenna												
Internal WLAN main (25.90AD1.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/top up (display facing phantom)	None	5805	0.04074	0.89	0.061	0.021	0.065	0.023	HvH-Ab-120606-02
			Holster TTN1002A , front/bottom up (display facing phantom)			0.04074	-0.33	0.057	0.023	0.066	0.027	HvH-Ab-120606-05
			Holster TTN1002A , back/top up (battery facing phantom)			0.04074	-0.61	0.286	0.096	0.353	0.119	CM-Ab-120606-06
			Holster TTN1002A , back/bottom up (battery facing phantom)			0.04074	-0.76	0.153	0.049	0.196	0.063	CM-Ab-120606-07
Assessment at the body – holster with WLAN diversity antenna												
Internal WLAN diversity (25.90AD2.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, front/top up (display facing phantom)	None	5805	0.0257	-0.50	0.033	0.013	0.048	0.019	HvH-Ab-120607-04
			Holster TTN1002A , front/bottom up (display facing phantom)			0.0257	-0.62	0.062	0.011	0.092	0.016	HvH-Ab-120607-05
			Holster TTN1002A , back/top up (battery facing phantom)			0.0257	-0.76	0.102	0.041	0.157	0.063	CM-Ab-120607-06
			Holster TTN1002A , back/bottom up (battery facing phantom)			0.0257	-0.64	0.118	0.049	0.177	0.073	CM-Ab-120607-07

TABLE H.12 (continued)

Assessments at the Body (WLAN 802.11n) 5.745 - 5.825GHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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 the body – high capacity battery using highest position from above												
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Against Phantom	Holster TTN1002A , back/top up (battery facing phantom)	None	5805	0.04074	-0.69	0.273	0.099	0.343	0.124	CM-Ab-120607-08
Assessment at the body – data cable using highest battery and applicable position from above Note - USB port access is only applicable to "top up" position.												
Internal WLAN main (25.90AD1.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A , back/top up (battery facing phantom)	USB data cable 25-128458-01R	5805	0.04074	-0.89	0.327	0.105	**0.431**	**0.138**	CM-Ab-120607-09
Assessment at the body – freq. search WLAN main antenna using highest position from above												
Internal WLAN main (25.90AD1.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A , back/top up (battery facing phantom)	USB data cable 25-128458-01R	5765	0.04074	-0.27	0.269	0.085	0.307	0.097	CM-Ab-120607-10
					5825	0.04074	-0.69	0.293	0.095	0.368	0.119	CM-Ab-120607-11
Assessment at the body – freq. search WLAN diversity antenna using highest position from above												
Internal WLAN diversity (25.90AD2.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A , back/top up (battery facing phantom)	USB data cable 25-128458-01R	5765	0.0263	-0.44	0.118	0.047	0.165	0.066	CM-Ab-120608-08
					5805	0.0257	-0.32	0.113	0.044	0.157	0.061	HvH-Ab-120609-04
					5825	0.0257	-0.75	0.157	0.065	0.241	0.100	HvH-Ab-120609-06

H.4.3.2 Assessments at the Head

Assessment of the right ear test positions and applicable frequencies; The DUT was tested for both WLAN main and diversity antennas at the right ear in the cheek touch position using the offered low capacity battery (82-154162-01) & cover (60.15U26.001) at the center frequency of the band.

Assessment of the offered high capacity battery; The DUT was tested with the optional high capacity battery (82-154162-02) & cover (60.15U27.001) using the highest SAR configuration from above.

Assessment of the right ear cheek tilt position; The DUT was tested for both WLAN main and diversity antennas at the right ear in the cheek tilt position using the highest SAR battery from above.

Assessment across the frequency band; The highest test configuration for each antenna with the highest SAR battery from above was used to test across the frequency band for both WLAN main and diversity antennas

Table H.13 presents the data of the head assessments. SAR plot(s) are included in section H.7 for the bolded data in Table H.13.

TABLE H.13

Assessments at the Head (WLAN 802.11n) 5.745 - 5.825GHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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 the right ear touch – WLAN main and diversity antennas												
Internal WLAN main (25.90AD1.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	5805	0.04074	-0.46	0.254	0.104	0.303	0.124	JsT-Rear-120516-03
Internal WLAN diversity (25.90AD2.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Cheek touch	None	None	5805	0.0257	-0.57	0.084	0.041	0.124	0.060	JsT-Rear-120516-05
Assessment at the right ear touch– – high capacity battery using highest position from above												
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek touch	None	None	5805	0.04074	-0.71	0.268	0.110	0.339	0.139	CM-Rear-120516-06
Assessment at the right ear tilt – WLAN main and diversity antennas												
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek tilt	None	None	5805	0.04074	-0.94	0.182	0.082	**0.242**	**0.109**	CM-Rear-120516-07
Internal WLAN diversity (25.90AD2.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek tilt	None	None	5805	0.0257	-0.74	0.121	0.056	0.185	0.086	CM-Rear-120516-08
Assessment at the right ear touch- freq. search WLAN main antenna using highest position from above for main antenna												
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek touch	None	None	5765	0.03981	-0.60	0.265	0.103	0.334	0.130	JsT-Rear-120517-03
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek touch	None	None	5825	0.03981	-0.67	0.281	0.111	**0.360**	**0.142**	JsT-Rear-120517-05
Assessment at the right ear tilt - freq. search WLAN diversity antenna using highest position from above for diversity antenna												
Internal WLAN diversity (25.90AD2.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek tilt	None	None	5765	0.02512	-0.54	0.112	0.052	0.168	0.078	JsT-Rear-120517-07
Internal WLAN diversity (25.90AD2.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek tilt	None	None	5825	0.0257	-0.63	0.105	0.051	0.157	0.076	JsT-Rear-120517-09

Assessment of the left ear test positions and applicable frequencies; The DUT was tested for both WLAN main and diversity antennas at the left ear in cheek touch position using the highest battery from right ear assessment.

Assessment of the left ear cheek tilt position; The DUT was tested for both WLAN main and diversity antennas at the left ear in the cheek tilt position using the highest battery from right ear assessment.

Assessment across the frequencies band edges; The highest test configuration from above for each antenna was used to test across the frequency band for both WLAN main and diversity antennas.

Table H.14 presents the data of the head assessments. SAR plot(s) are included in section H.7 for the bolded data in Table H.14.

TABLE H.14

Assessments at the Head (WLAN 802.11n) 5.745 - 5.825GHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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 the left ear touch – WLAN main and diversity antennas												
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek touch	None	None	5805	0.04074	-0.47	0.235	0.087	0.281	0.104	JsT-Lear-120517-11
Internal WLAN diversity (25.90AD2.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek touch	None	None	5805	0.0257	-0.46	0.339	0.103	0.487	0.148	JsT-Lear-120517-13
Assessment at the left ear tilt – WLAN main and diversity antennas												
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek tilt	None	None	5805	0.04074	-0.92	0.244	0.077	0.323	0.102	CM-Lear-120517-14
Internal WLAN diversity (25.90AD2.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek tilt	None	None	5805	0.0257	-0.88	0.094	0.049	0.149	0.078	CM-Lear-120517-16
Assessment at the left ear tilt- freq. search WLAN main antenna using highest position from above for main antenna												
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek tilt	None	None	5765	0.03981	-0.59	0.231	0.084	0.290	0.106	CM-Lear-120517-18
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek tilt	None	None	5825	0.03981	-0.52	0.318	0.113	**0.393**	**0.140**	CM-Lear-120517-20
Assessment at the left ear touch - freq. search WLAN diversity antenna using highest position from above for diversity antenna												
Internal WLAN diversity (25.90AD2.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek touch	None	None	5765	0.02512	-0.69	0.318	0.099	0.493	0.153	JsT-Lear-120518-04
Internal WLAN diversity (25.90AD2.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Cheek touch	None	None	5825	0.0257	-0.60	0.367	0.117	**0.545**	**0.174**	JsT-Lear-120521-02

H.4.3.3 Assessments at the Face

Assessment of the applicable frequencies; The DUT was tested using the battery with the highest SAR from right ear for both WLAN main and diversity antennas across the band.

Table H.15 presents the data of the face assessments. SAR plot(s) are included in section H.7 for the bolded data in Table H.15.

TABLE H.15

Assessments at the Face (WLAN 802.11n) 5.745 - 5.825GHz band												
Antenna Pos.	**Battery**	**Test position**	**Carry Case**	**Cable Accessory**	**Freq (MHz)**	**Initial Power (W)**	**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 the face – 2.5cm WLAN main antenna												
Internal WLAN main (25.90AD1.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Front 2.5cm	None	None	5765	0.03981	-0.63	0.052	0.021	0.066	0.027	JsT-Face-120521-05
					5805	0.04074	-0.81	0.057	0.022	0.074	0.028	JsT-Face-120521-07
					5825	0.03981	-0.85	0.058	0.024	**0.077**	**0.032**	JsT-Face-120530-04
Assessment at the face – 2.5cm WLAN diversity antenna												
Internal WLAN diversity (25.90AD2.001)	High capacity (82-154162-02) & cover (60.15U27.001)	Front 2.5cm	None	None	5765	0.02512	-0.65	0.025	0.011	0.038	0.017	JsT-Face-120530-06
					5805	0.0257	-0.93	0.021	0.008	0.034	0.013	JsT-Face-120530-08
					5825	0.0257	-1.29	0.020	0.008	0.035	0.015	JsT-Face-120531-07

H.4.4 Shorten Scan Assessment

Short scan assessment A "shortened" scan was performed to validate the SAR drift of the full DASY5™ coarse and zoom scans. Note that the shortened scan represents the zoom scan performance result; this is obtained by first running a coarse scan to find the peak area and then, using a newly charged battery, a zoom scan only was performed. The results of the shortened cube scan presented in this appendix demonstrate that the scaling methodology used to determine the calculated SAR results presented herein are valid. The SAR result from the table below is provided in section G.7.

TABLE H.16

Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (W)	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
Internal WLAN main (25.90AD1.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, back/top up (battery facing phantom)	USB data cable 25-128458-01R	5280	0.04467	-0.53	0.567	0.207	**0.671**	**0.245**	Full scan JsT-Ab-120604-02
Internal WLAN main (25.90AD1.001)	Low capacity (82-154162-01) & cover (60.15U26.001)	Against Phantom	Holster TTN1002A, back/top up (battery facing phantom)	USB data cable 25-128458-01R	5280	0.04677	-0.450	0.474	0.188	0.526	0.209	Short scan JsT-Ab-120726-03

H.5 Conclusion

The highest Operational Maximum Calculated 1-gram and 10-gram average SAR values found for WLAN 802.11a/n for Model LEX 700.

TABLE H.17

Frequency	Max Calc at Body (mW/g)		Max Calc at Face (mW/g)		Max Calc at Head (mW/g)	
	1g-SAR	10g-SAR	1g-SAR	10g-SAR	1g-SAR	10g-SAR
802.11a/n 5.18- 5.32 GHz 5.5 – 5.7 GHz 5.745 – 5.825 GHz	0.671	0.245	0.077	0.032	0.607	0.181

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.

H.6 System Performance Scans

Motorola Solutions, Inc. EME Laboratory
Date/Time: 5/8/2012 6:47:43 AM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5200H-120508-01
Dipole Model#	D5GHzV2
Phantom#:	SAMTP1209
Tissue Temp:	21.9 (C)
Serial#:	1017
Test Freq:	5200 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	81.33 mW/g	(1g)
Adjusted SAR (1W):	81.33 mW/g	(1g)
Percent from Target (+/-):	0.0 %	(1g)
Rotation (1D):	0.11 dB	

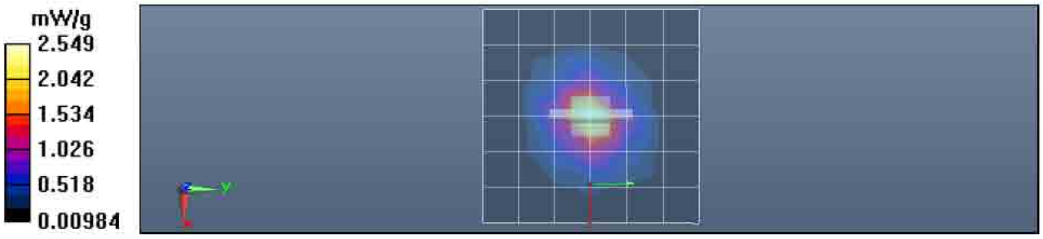
Comments:

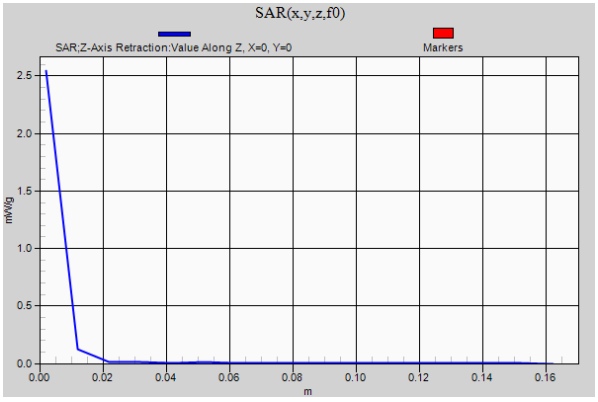
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 4.72 mho/m; ε_r = 34.5; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(5.15, 5.15, 5.15); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 2.55 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 24.757 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 5.007 mW/g
SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.347 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.52 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.54 mW/g





Motorola Solutions, Inc. EME Laboratory
Date/Time: 5/9/2012 7:22:26 AM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5200H-120509-01
Dipole Model#	D5GHzV2
Phantom#:	SAMTP1209
Tissue Temp:	21.5 (C)
Serial#:	1017
Test Freq:	5200 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	81.33 mW/g	(1g)
Adjusted SAR (1W):	80.67 mW/g	(1g)
Percent from Target (+/-):	0.8 %	(1g)
Rotation (1D):	0.14 dB	

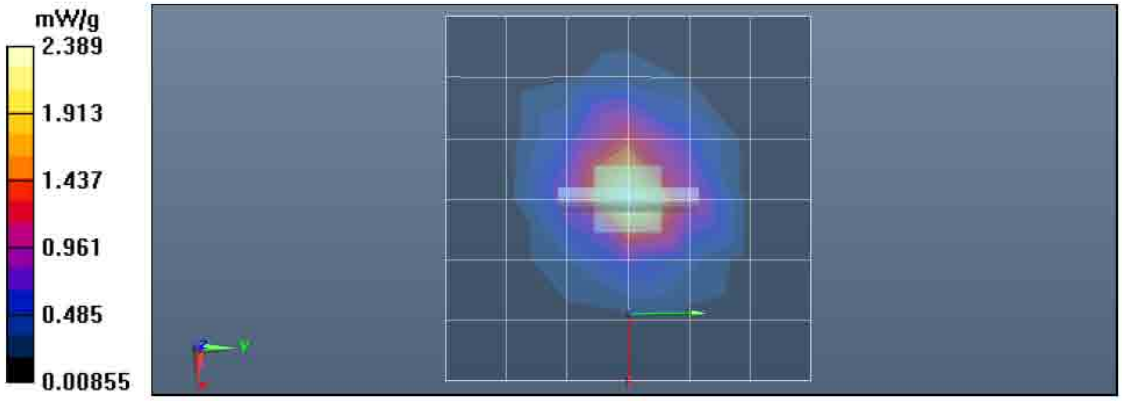
Comments:

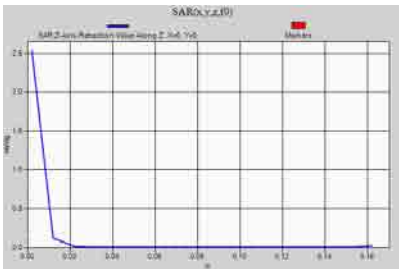
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 4.57 mho/m; ε_r = 33.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(5.15, 5.15, 5.15); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 2.39 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 25.356 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 5.102 mW/g
SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.338 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.44 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.53 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/10/2012 6:44:49 AM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5200H-120510-01
Dipole Model#	D5GHzV2
Phantom#:	SAMTP1209
Tissue Temp:	21.6 (C)
Serial#:	1017
Test Freq:	5200 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	81.33 mW/g	(1g)
Adjusted SAR (1W):	84.67 mW/g	(1g)
Percent from Target (+/-):	4.1 %	(1g)
Rotation (1D):	0.14 dB	

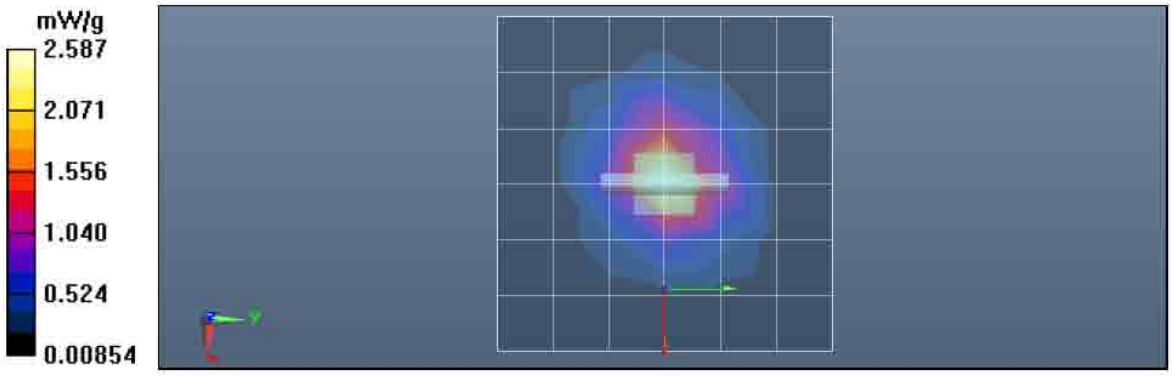
Comments:

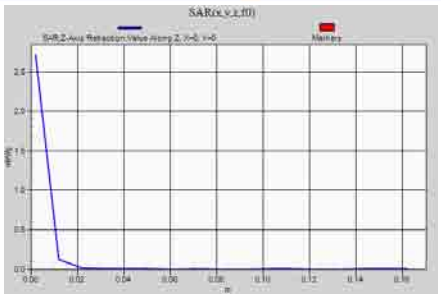
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 4.7 mho/m; ε_r = 33.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(5.15, 5.15, 5.15); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 2.59 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 25.569 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 5.275 mW/g
SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.356 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.61 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.72 mW/g





Motorola Solutions, Inc. EME Laboratory
Date/Time: 5/11/2012 6:58:16 AM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5500H-120511-01
Dipole Model#	D5GHzV2
Phantom#:	SAMTP1209
Tissue Temp:	21.5 (C)
Serial#:	1017
Test Freq:	5500 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	88.00 mW/g (1g)
Adjusted SAR (1W):	90.67 mW/g (1g)
Percent from Target (+/-):	3.0 % (1g)
Rotation (1D):	0.11 dB

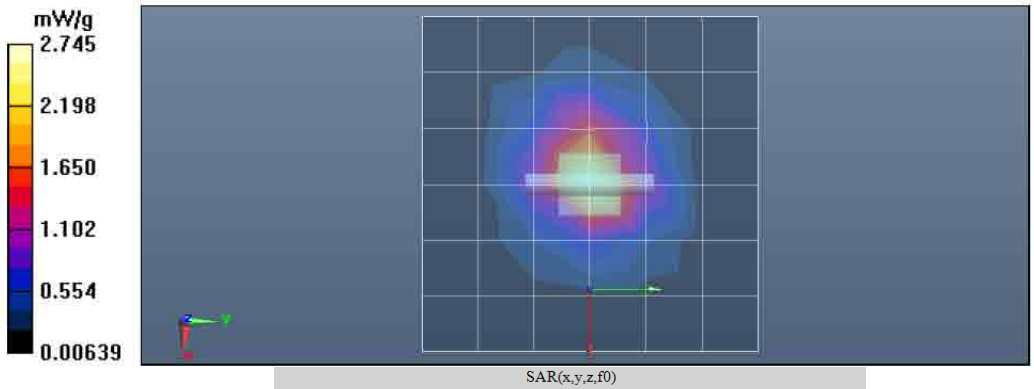
Comments:

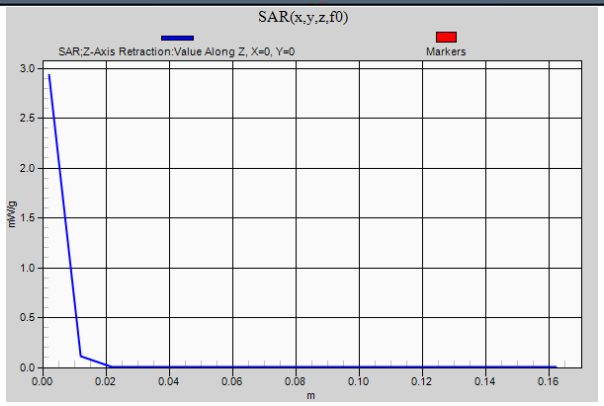
Duty Cycle: 1:1, Medium parameters used: f = 5500 MHz; σ = 4.94 mho/m; ε_r = 33.5; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.38, 4.38, 4.38); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 2.75 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 26.561 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 5.550 mW/g
SAR(1 g) = 1.36 mW/g; SAR(10 g) = 0.381 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.80 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.93 mW/g





Motorola Solutions, Inc. EME Laboratory
Date/Time: 5/12/2012 12:45:51 PM

Robot#: DASY5-FL-2 | Run#: JsT-SYSP-5200H-120512-09
Dipole Model# D5GHzV2
Phantom#: SAMTP1209
Tissue Temp: 20.8 (C)
Serial#: 1017
Test Freq: 5200 (MHz)
Start Power: 15 (mW)

Target SAR (1W): 81.33 mW/g (1g)
Adjusted SAR (1W): 82.00 mW/g (1g)
Percent from Target (+/-): 0.8 % (1g)
Rotation (1D): 0.2 dB

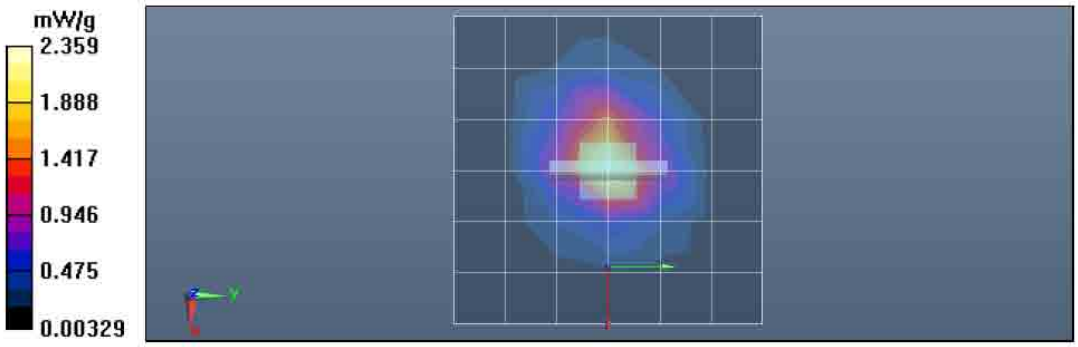
Comments:

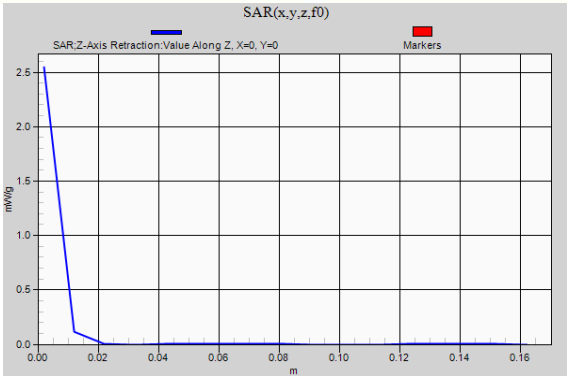
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 4.59 mho/m; ε_r = 33.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(5.15, 5.15, 5.15); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 2.36 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 25.143 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 5.145 mW/g
SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.346 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.49 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.54 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/12/2012 5:54:14 AM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5500H-120512-01
Dipole Model#	D5GHzV2
Phantom#:	SAMTP1209
Tissue Temp:	21.6 (C)
Serial#:	1017
Test Freq:	5500 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	88.00 mW/g	(1g)
Adjusted SAR (1W):	90.00 mW/g	(1g)
Percent from Target (+/-):	2.3 %	(1g)
Rotation (1D):	0.14 dB	

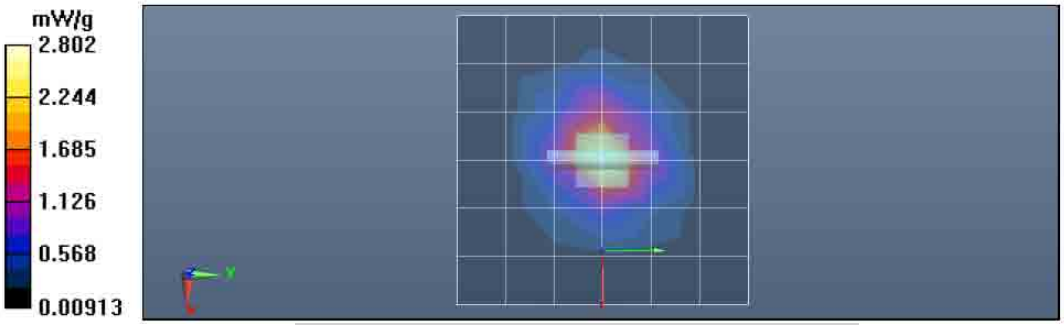
Comments:

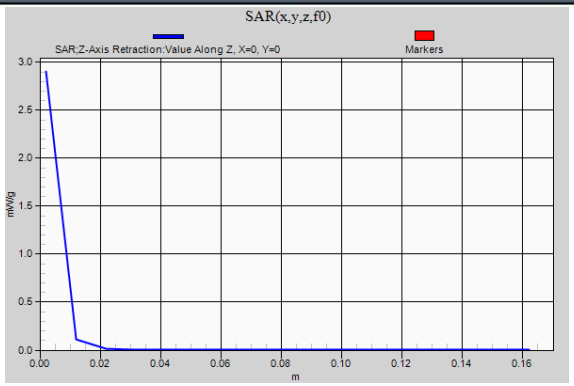
Duty Cycle: 1:1, Medium parameters used: f = 5500 MHz; σ = 4.92 mho/m; ε_r = 33.2; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.38, 4.38, 4.38); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 2.80 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 26.451 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 5.506 mW/g
SAR(1 g) = 1.35 mW/g; SAR(10 g) = 0.378 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.81 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.90 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/13/2012 8:20:20 AM

Robot#: DASY5-FL-2 | Run#:	HvH-SYSP-5500H-120513-01
Dipole Model#	D5GHzV2
Phantom#:	SAMTP1209
Tissue Temp:	21.4 (C)
Serial#:	1017
Test Freq:	5500 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	88.00 mW/g	(1g)
Adjusted SAR (1W):	86.67 mW/g	(1g)
Percent from Target (+/-):	1.5 %	(1g)
Rotation (1D):	0.16 dB	

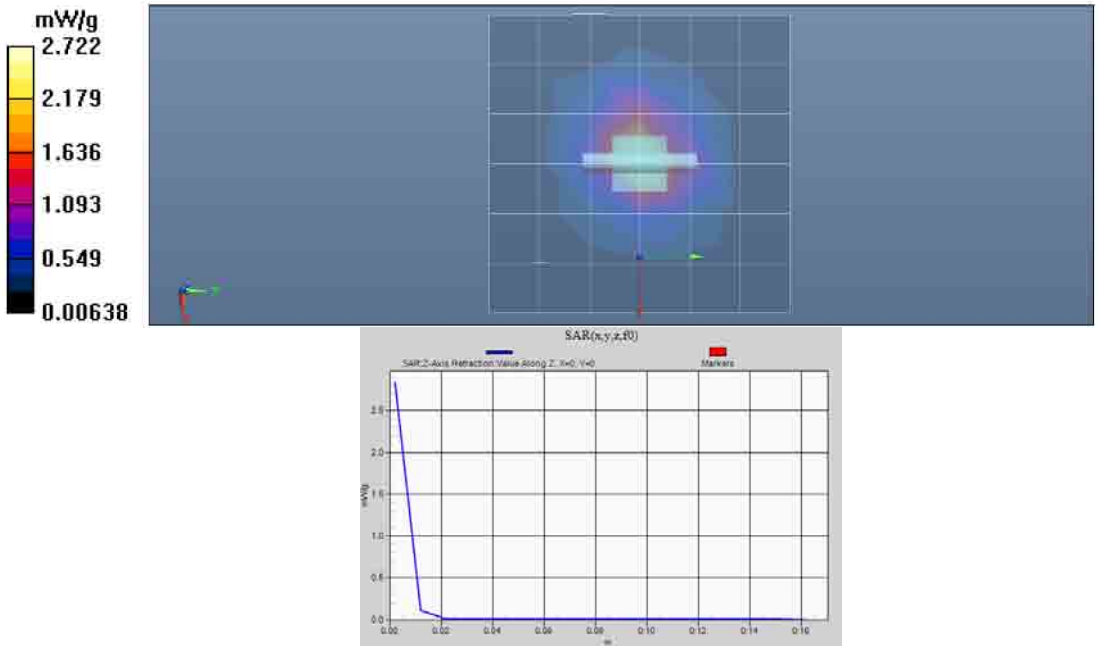
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 5500 MHz; σ = 4.77 mho/m; ε_r = 33.5; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.38, 4.38, 4.38); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (61x61x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 26.544 V/m; Power Drift = -0.04 dB
Fast SAR: SAR(1 g) = 3.21 mW/g; SAR(10 g) = 3.99 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.87 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 26.544 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 5.295 mW/g
SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.363 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.60 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.84 mW/g



Motorola Solutions, Inc. EME Laboratory
Date/Time: 5/14/2012 7:01:53 AM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5200H-120514-01
Dipole Model#	D5GHzV2
Phantom#:	SAMTP1209
Tissue Temp:	21.3 (C)
Serial#:	1017
Test Freq:	5200 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	81.33 mW/g (1g)
Adjusted SAR (1W):	78.00 mW/g (1g)
Percent from Target (+/-):	4.1 % (1g)
Rotation (1D):	0.11 dB

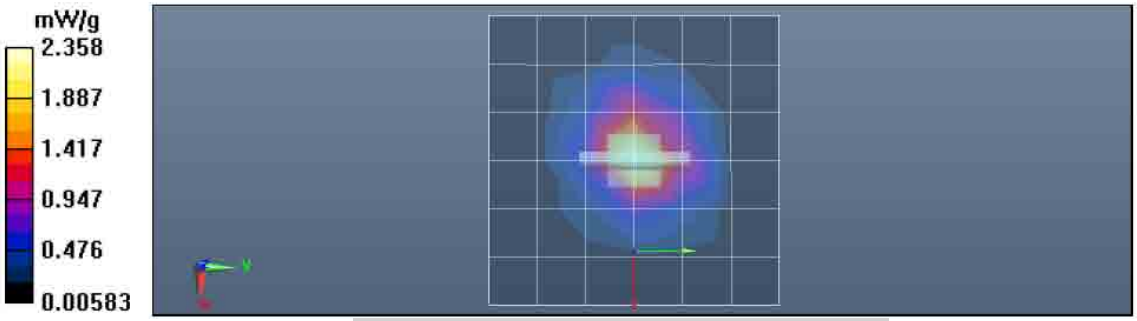
Comments:

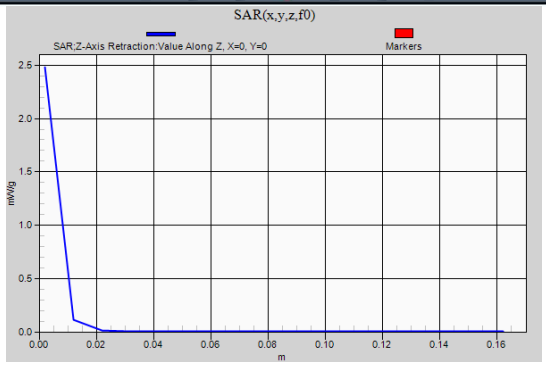
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 4.41 mho/m; ε_r = 33.9; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(5.15, 5.15, 5.15); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 2.36 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 25.096 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 4.765 mW/g
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.331 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.34 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.48 mW/g





Motorola Solutions, Inc. EME Laboratory
Date/Time: 5/14/2012 8:09:26 AM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5500H-120514-02
Dipole Model#	D5GHzV2
Phantom#:	SAMTP1209
Tissue Temp:	21.2 (C)
Serial#:	1017
Test Freq:	5500 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	88.00 mW/g	(1g)
Adjusted SAR (1W):	88.67 mW/g	(1g)
Percent from Target (+/-):	0.8 %	(1g)
Rotation (1D):	0.12 dB	

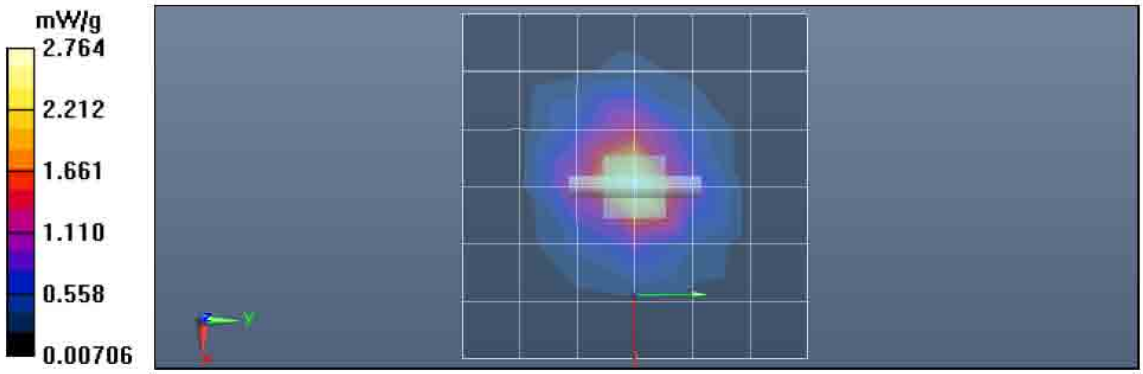
Comments:

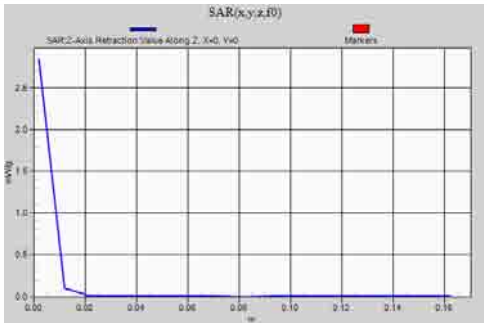
Duty Cycle: 1:1, Medium parameters used: f = 5500 MHz; σ = 4.78 mho/m; ε_r = 33.6; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.38, 4.38, 4.38); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 2.76 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 26.959 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 5.527 mW/g
SAR(1 g) = 1.33 mW/g; SAR(10 g) = 0.372 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.79 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.84 mW/g





Motorola Solutions, Inc. EME Laboratory
Date/Time: 5/15/2012 6:51:24 AM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5500H-120515-01
Dipole Model#	D5GHzV2
Phantom#:	SAMTP1209
Tissue Temp:	21.3 (C)
Serial#:	1017
Test Freq:	5500 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	88.00 mW/g (1g)
Adjusted SAR (1W):	94.67 mW/g (1g)
Percent from Target (+/-):	7.6 % (1g)
Rotation (1D):	0.14 dB

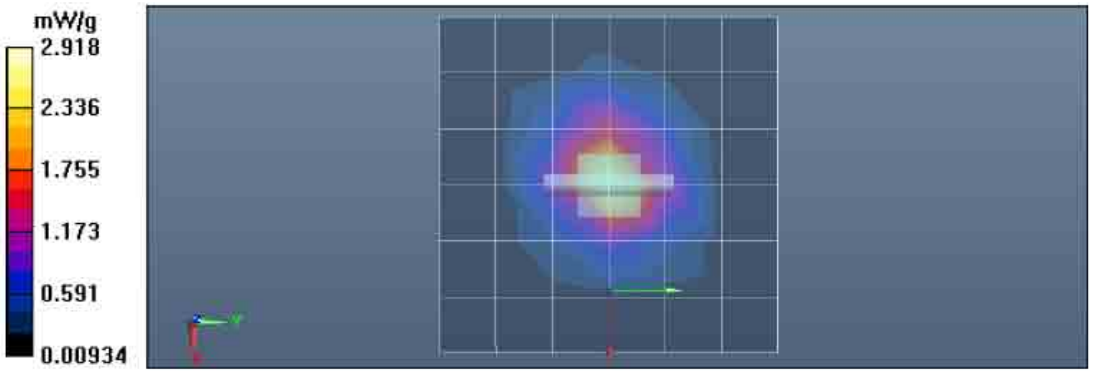
Comments:

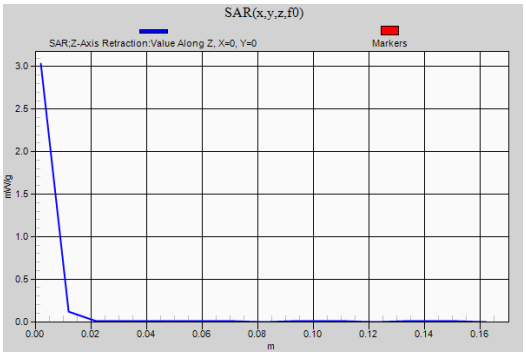
Duty Cycle: 1:1, Medium parameters used: f = 5500 MHz; σ = 5.2 mho/m; ε_r = 33.3; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.38, 4.38, 4.38); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 2.92 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 26.494 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 5.715 mW/g
SAR(1 g) = 1.42 mW/g; SAR(10 g) = 0.400 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.82 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.03 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/16/2012 12:14:23 PM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5800H-120516-01
Dipole Model#	D5GHzV2
Phantom#:	SAMTP1209
Tissue Temp:	20.0 (C)
Serial#:	1017
Test Freq:	5800 (MHz)
Start Power:	10 (mW)

Target SAR (1W):	82.40 mW/g (1g)
Adjusted SAR (1W):	88.70 mW/g (1g)
Percent from Target (+/-):	7.6 % (1g)
Rotation (1D):	0.14 dB

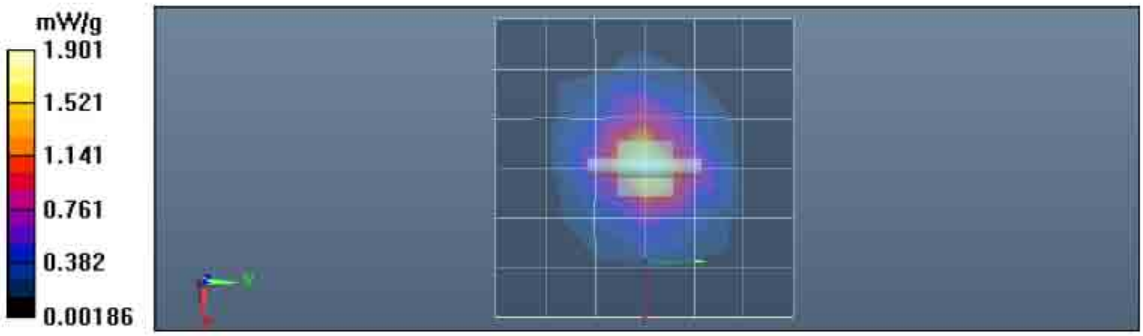
Comments:

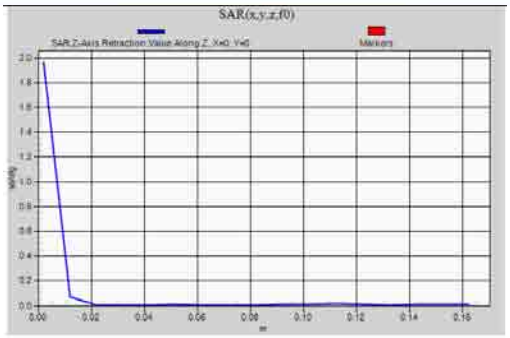
Duty Cycle: 1:1, Medium parameters used: f = 5800 MHz; σ = 5.36 mho/m; ε_r = 32.4; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.16, 4.16, 4.16); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 1.90 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 21.231 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 3.820 mW/g
SAR(1 g) = 0.887 mW/g; SAR(10 g) = 0.249 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.84 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.96 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/17/2012 6:47:39 AM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5800H-120517-01
Dipole Model#	D5GHzV2
Phantom#:	SAMTP1209
Tissue Temp:	21.4 (C)
Serial#:	1017
Test Freq:	5800 (MHz)
Start Power:	10 (mW)

Target SAR (1W):	82.40 mW/g	(1g)
Adjusted SAR (1W):	90.00 mW/g	(1g)
Percent from Target (+/-):	9.2 %	(1g)
Rotation (1D):	0.17 dB	

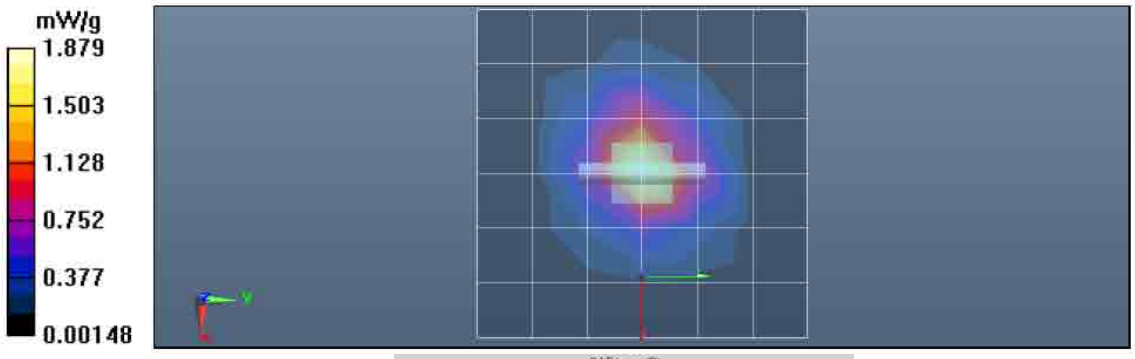
Comments:

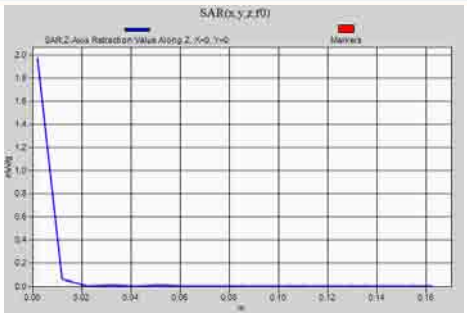
Duty Cycle: 1:1, Medium parameters used: f = 5800 MHz; σ = 5.35 mho/m; ε_r = 33.4; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.16, 4.16, 4.16); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 1.88 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 21.326 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.795 mW/g
SAR(1 g) = 0.900 mW/g; SAR(10 g) = 0.253 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.86 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.97 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/18/2012 7:05:41 AM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5800H-120518-01
Dipole Model#	D5GHzV2
Phantom#:	SAMTP1209
Tissue Temp:	21.5 (C)
Serial#:	1017
Test Freq:	5800 (MHz)
Start Power:	10 (mW)

Target SAR (1W):	82.40 mW/g (1g)
Adjusted SAR (1W):	87.40 mW/g (1g)
Percent from Target (+/-):	6.1 % (1g)
Rotation (1D):	0.13 dB

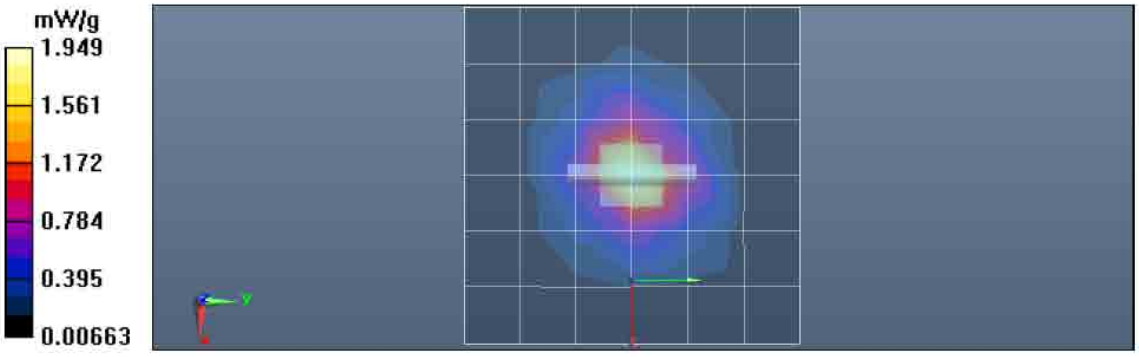
Comments:

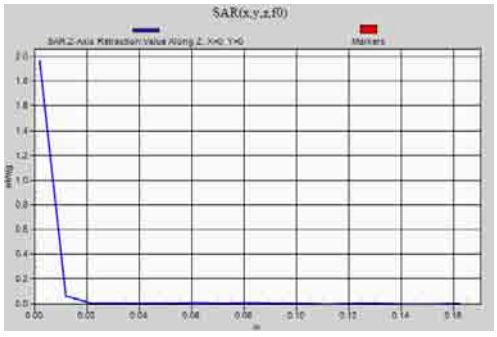
Duty Cycle: 1:1, Medium parameters used: f = 5800 MHz; σ = 5.3 mho/m; ε_r = 32.2; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.16, 4.16, 4.16); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 1.95 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 21.146 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.590 mW/g
SAR(1 g) = 0.874 mW/g; SAR(10 g) = 0.247 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.81 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.97 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/19/2012 11:42:42 AM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5200B-120519-05
Dipole Model#	D5GHzV2
Phantom#:	DUAL1002-Side A
Tissue Temp:	21.5 (C)
Serial#:	1017
Test Freq:	5200 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	80.00 mW/g (1g)
Adjusted SAR (1W):	80.67 mW/g (1g)
Percent from Target (+/-):	0.8 % (1g)
Rotation (1D):	0.084 dB

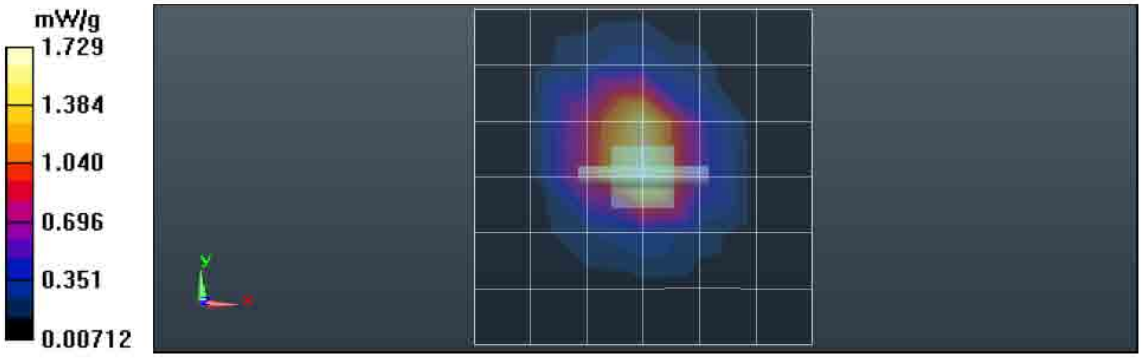
Comments:

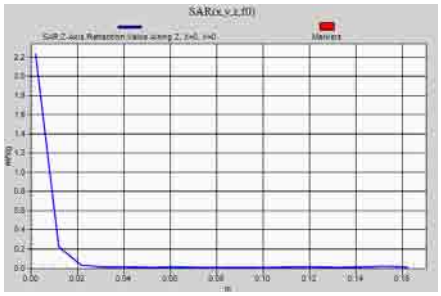
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 4.94 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.1, 4.1, 4.1); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 1.73 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 24.184 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 3.588 mW/g
SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.363 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.14 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.23 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/20/2012 8:34:26 AM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5500B-120520-01
Dipole Model#	D5GHzV2
Phantom#:	DUAL1002-Side A
Tissue Temp:	21.0 (C)
Serial#:	1017
Test Freq:	5500 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	86.00 mW/g	(1g)
Adjusted SAR (1W):	83.33 mW/g	(1g)
Percent from Target (+/-):	3.1 %	(1g)
Rotation (1D):	0.081 dB	

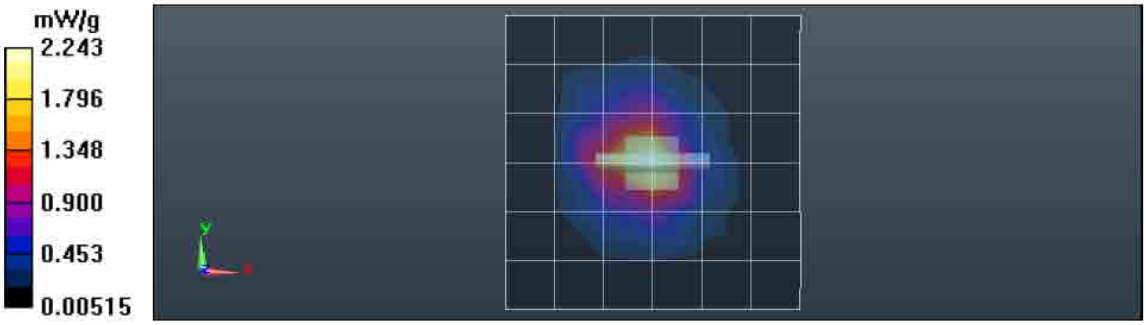
Comments:

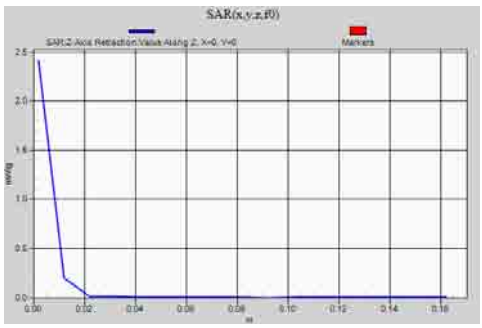
Duty Cycle: 1:1, Medium parameters used: f = 5500 MHz; σ = 5.13 mho/m; ε_r = 52.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(3.53, 3.53, 3.53); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 2.24 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 24.960 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.779 mW/g
SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.370 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.30 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.41 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/21/2012 8:15:08 AM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5800H-120521-01
Dipole Model#	D5GHzV2
Phantom#:	SAMTP1209
Tissue Temp:	21.5 (C)
Serial#:	1017
Test Freq:	5800 (MHz)
Start Power:	10 (mW)

Target SAR (1W):	82.40 mW/g	(1g)
Adjusted SAR (1W):	88.90 mW/g	(1g)
Percent from Target (+/-):	7.9 %	(1g)
Rotation (1D):	0.13 dB	

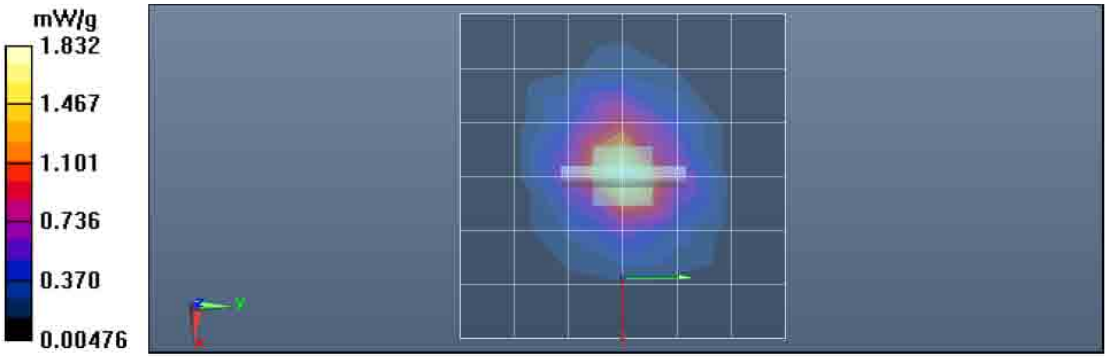
Comments:

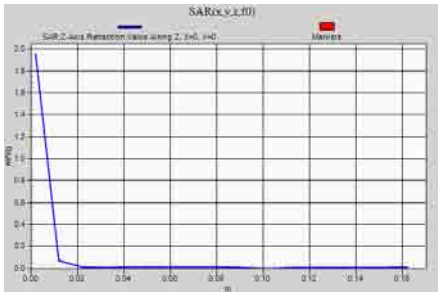
Duty Cycle: 1:1, Medium parameters used: f = 5800 MHz; σ = 5.34 mho/m; ε_r = 32.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.16, 4.16, 4.16); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 1.83 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 21.007 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 3.690 mW/g
SAR(1 g) = 0.889 mW/g; SAR(10 g) = 0.250 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.85 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.95 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/26/2012 8:14:32 AM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5200H-120526-01
Dipole Model#	D5GHzV2
Phantom#:	SAMTP1209
Tissue Temp:	22.5 (C)
Serial#:	1017
Test Freq:	5200 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	81.33 mW/g	(1g)
Adjusted SAR (1W):	88.00 mW/g	(1g)
Percent from Target (+/-):	8.2 %	(1g)
Rotation (1D):	0.09 dB	

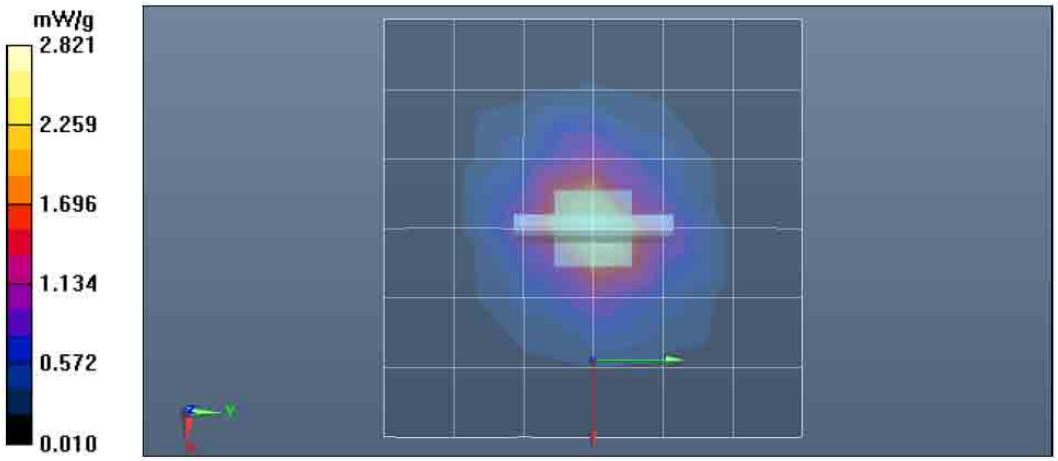
Comments:

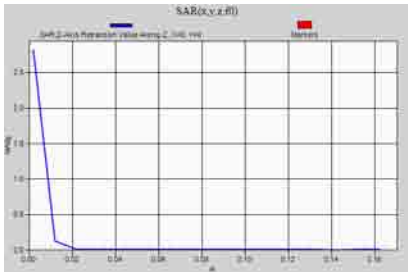
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 4.82 mho/m; ε_r = 34.1; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(5.15, 5.15, 5.15); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 2.82 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 25.469 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 5.503 mW/g
SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.374 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.69 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.81 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/27/2012 4:22:14 PM

Robot#: DASY5-FL-2 | Run#:	CM-SYSP-5200H-120527-01
Dipole Model#	D5GHzV2
Phantom#:	SAMTP1209
Tissue Temp:	22.0 (C)
Serial#:	1017
Test Freq:	5200 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	81.33 mW/g	(1g)
Adjusted SAR (1W):	84.67 mW/g	(1g)
Percent from Target (+/-):	4.1 %	(1g)
Rotation (1D):	0.1 dB	

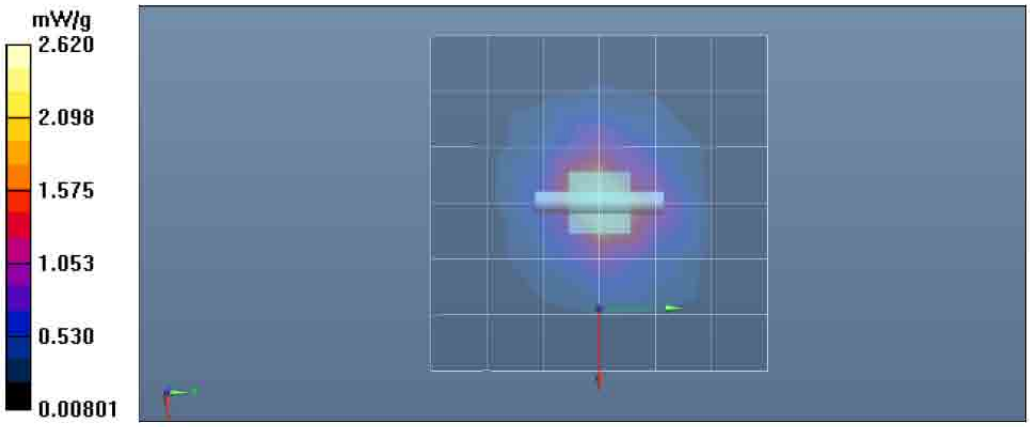
Comments:

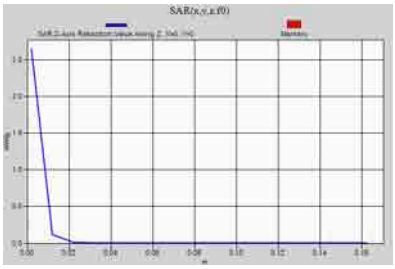
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 4.7 mho/m; ε_r = 33.2; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(5.15, 5.15, 5.15); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (61x61x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 25.259 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 3.33 mW/g; SAR(10 g) = 5.14 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.68 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 25.259 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 5.311 mW/g
SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.359 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.56 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.64 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/29/2012 7:25:28 AM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5200H-120529-01
Dipole Model#	D5GHzV2
Phantom#:	SAMTP1209
Tissue Temp:	21.7 (C)
Serial#:	1017
Test Freq:	5200 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	81.33 mW/g	(1g)
Adjusted SAR (1W):	86.67 mW/g	(1g)
Percent from Target (+/-):	6.6 %	(1g)
Rotation (1D):	0.065 dB	

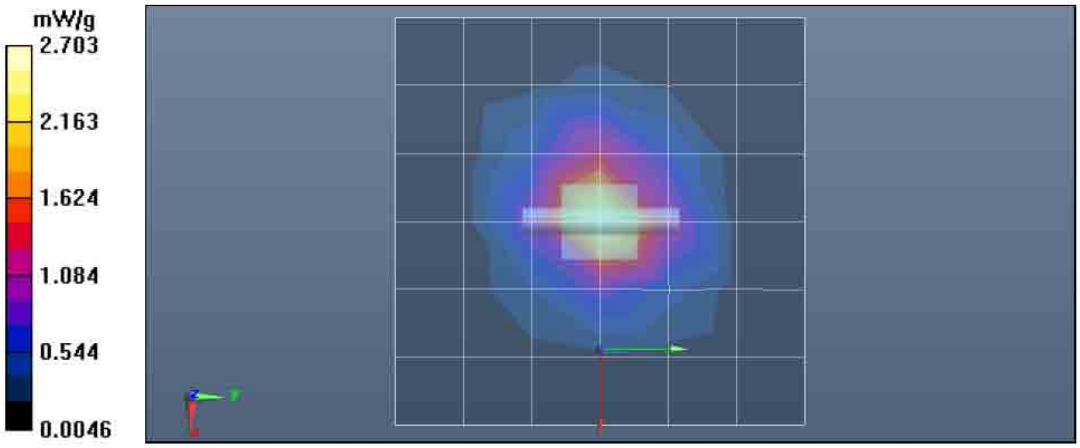
Comments:

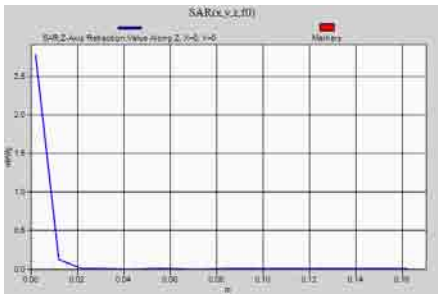
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 4.72 mho/m; ε_r = 33.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(5.15, 5.15, 5.15); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm dy=9mm
Maximum value of SAR (measured) = 2.70 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 25.958 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 5.469 mW/g
SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.367 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.60 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.77 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/30/2012 7:58:12 AM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5800H-120530-02
Dipole Model#	D5GHzV2
Phantom#:	SAMTP1209
Tissue Temp:	21.5 (C)
Serial#:	1017
Test Freq:	5800 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	82.40 mW/g	(1g)
Adjusted SAR (1W):	88.67 mW/g	(1g)
Percent from Target (+/-):	7.6 %	(1g)
Rotation (1D):	0.13 dB	

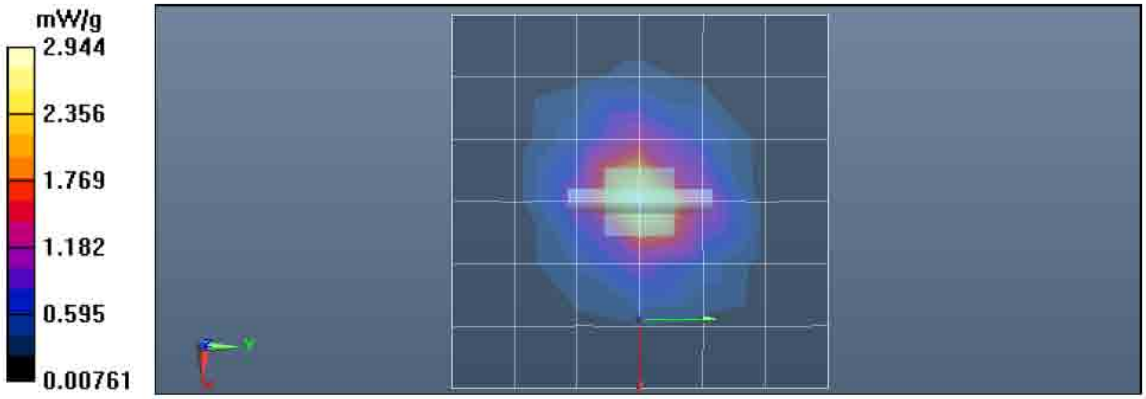
Comments:

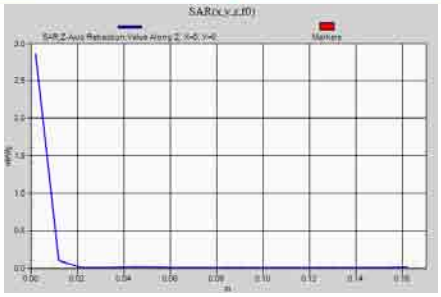
Duty Cycle: 1:1, Medium parameters used: f = 5800 MHz; σ = 5.35 mho/m; ε_r = 32.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.16, 4.16, 4.16); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 2.94 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 26.079 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 5.636 mW/g
SAR(1 g) = 1.33 mW/g; SAR(10 g) = 0.374 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.84 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.85 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/31/2012 11:52:15 AM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5800H-120531-06
Dipole Model#	D5GHzV2
Phantom#:	SAMTP1209
Tissue Temp:	21.2 (C)
Serial#:	1017
Test Freq:	5800 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	82.40 mW/g	(1g)
Adjusted SAR (1W):	87.33 mW/g	(1g)
Percent from Target (+/-):	6.0 %	(1g)
Rotation (1D):	0.1 dB	

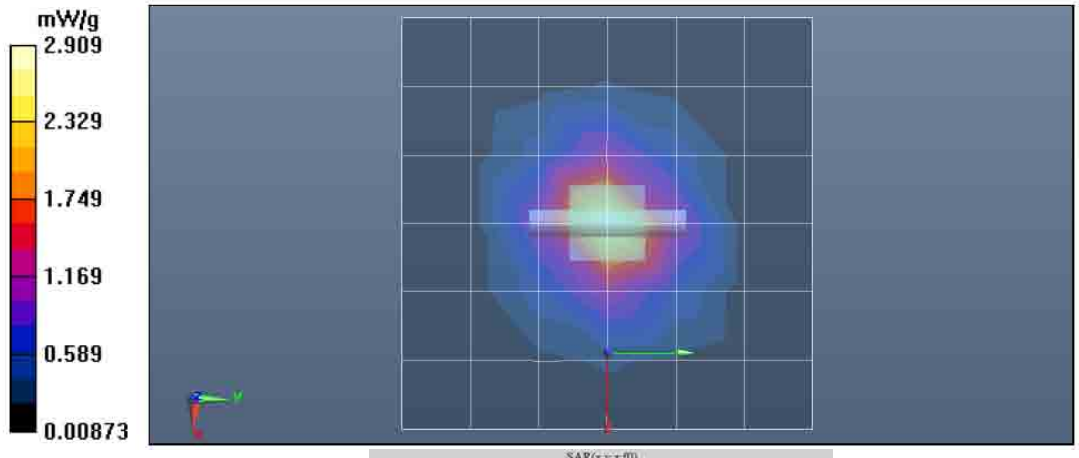
Comments:

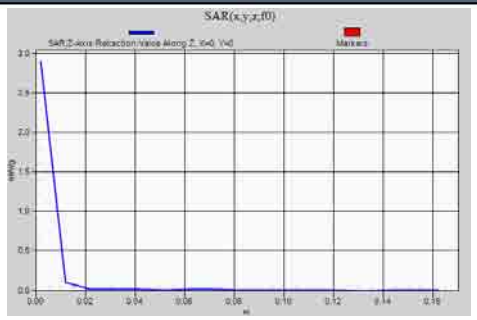
Duty Cycle: 1:1, Medium parameters used: f = 5800 MHz; σ = 5.24 mho/m; ε_r = 32.6; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.16, 4.16, 4.16); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 2.91 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 25.355 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 5.569 mW/g
SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.368 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.82 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.90 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/1/2012 9:09:39 AM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5200B-120601-02
Dipole Model#	D5GHzV2
Phantom#:	DUAL1002-Side B
Tissue Temp:	21.0 (C)
Serial#:	1017
Test Freq:	5200 (MHz)
Start Power:	15 (mW)
Target SAR (1W):	80.00 mW/g (1g)
Adjusted SAR (1W):	75.33 mW/g (1g)
Percent from Target (+/-):	5.8 % (1g)
Rotation (1D):	0.1 dB

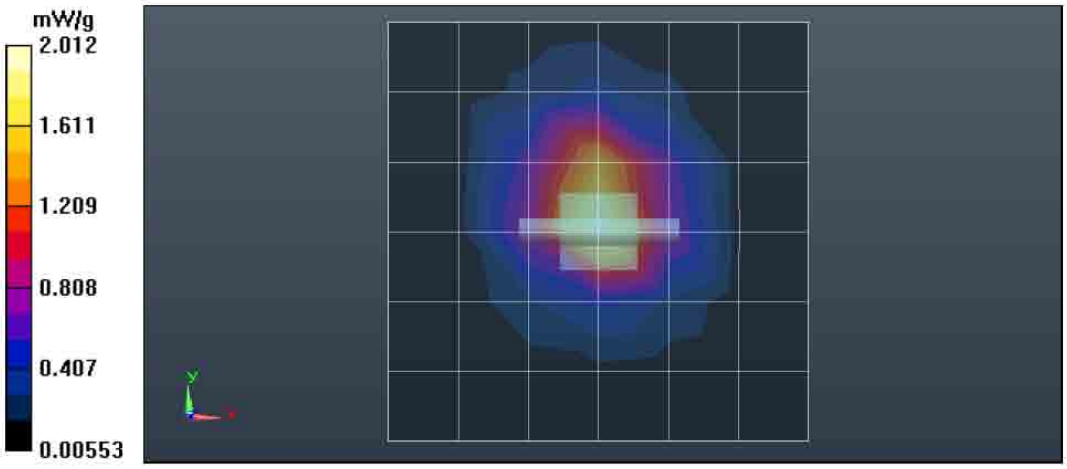
Comments:

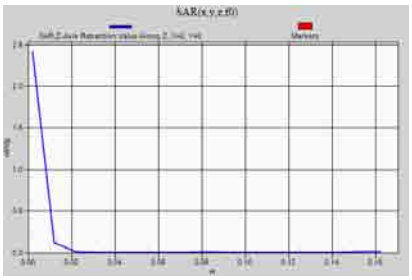
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 5.33 mho/m; ε_r = 46.6; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.1, 4.1, 4.1); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 2.01 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 24.529 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 4.814 mW/g
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.317 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.31 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.41 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/4/2012 3:02:56 PM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5200B-120604-07
Dipole Model#	D5GHzV2
Phantom#:	DUAL1002-Side A
Tissue Temp:	21.1 (C)
Serial#:	1017
Test Freq:	5200 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	80.00 mW/g	(1g)
Adjusted SAR (1W):	82.67 mW/g	(1g)
Percent from Target (+/-):	3.3 %	(1g)
Rotation (1D):	0.14 dB	

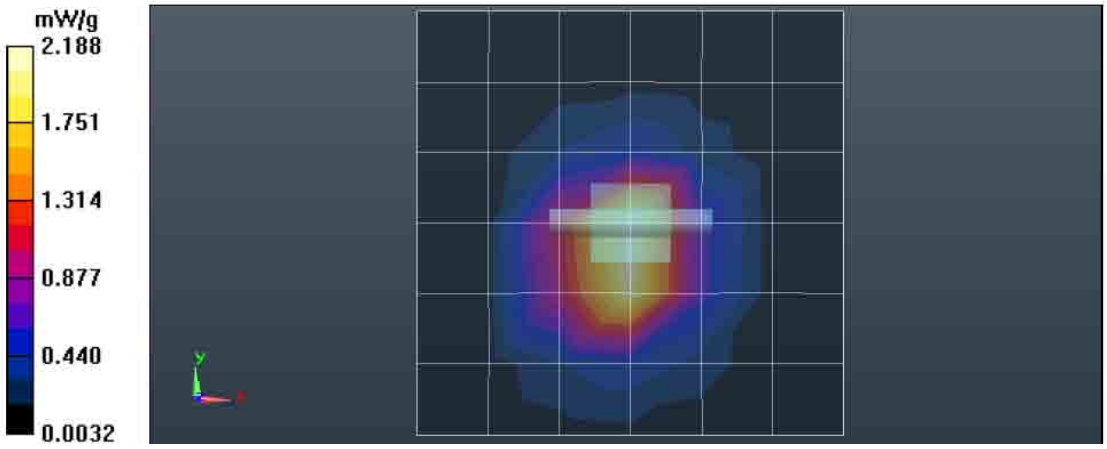
Comments:

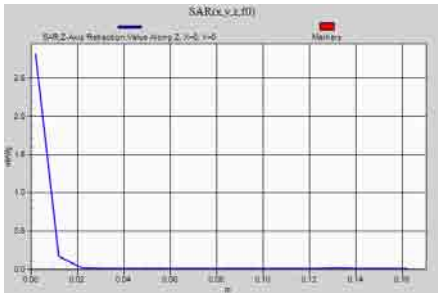
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 5.72 mho/m; ε_r = 45.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.1, 4.1, 4.1); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 2.19 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 25.137 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 4.401 mW/g
SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.347 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.46 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.82 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/4/2012 1:37:53 PM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5500B-120604-06
Dipole Model#	D5GHzV2
Phantom#:	DUAL1002-Side A
Tissue Temp:	21.1 (C)
Serial#:	1017
Test Freq:	5500 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	86.00 mW/g	(1g)
Adjusted SAR (1W):	87.33 mW/g	(1g)
Percent from Target (+/-):	1.6 %	(1g)
Rotation (1D):	0.16 dB	

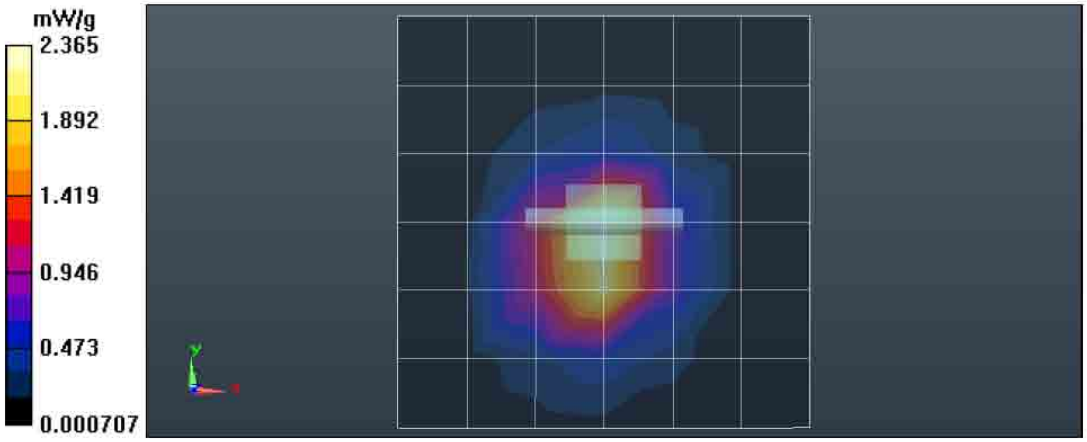
Comments:

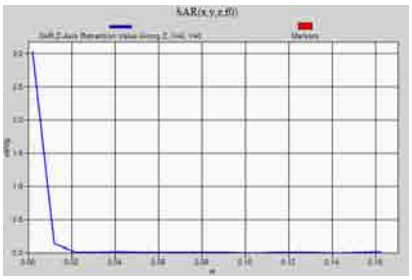
Duty Cycle: 1:1, Medium parameters used: f = 5500 MHz; σ = 6.04 mho/m; ε_r = 44.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(3.53, 3.53, 3.53); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 2.36 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 25.628 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 4.686 mW/g
SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.363 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.65 mW/g

4-6 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 mW/g





Motorola Solutions, Inc. EME Laboratory
Date/Time: 6/5/2012 7:00:16 AM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5500B-120605-01
Dipole Model#	D5GHzV2
Phantom#:	DUAL1002-Side A
Tissue Temp:	21.5 (C)
Serial#:	1017
Test Freq:	5500 (MHz)
Start Power:	15 (mW)
Target SAR (1W):	86.00 mW/g (1g)
Adjusted SAR (1W):	86.67 mW/g (1g)
Percent from Target (+/-):	0.8 % (1g)
Rotation (1D):	0.19 dB

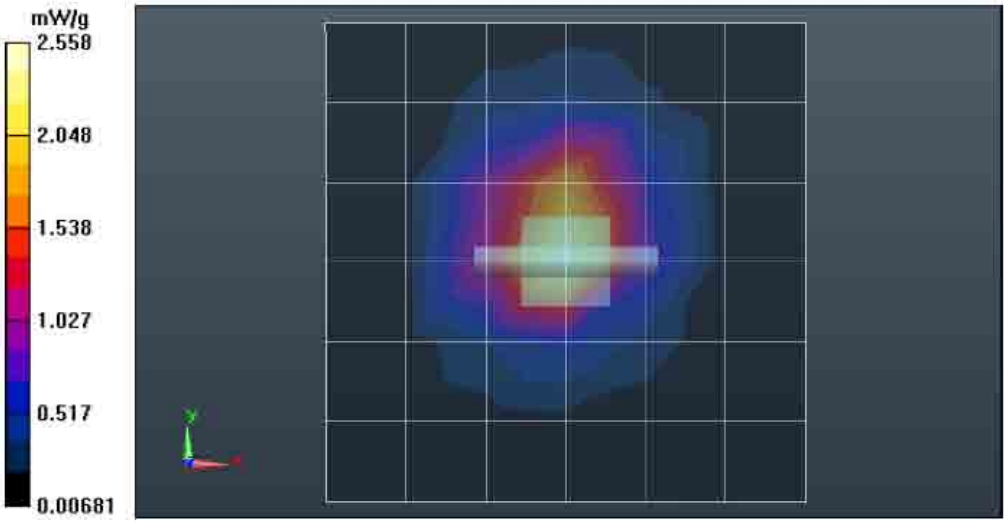
Comments:

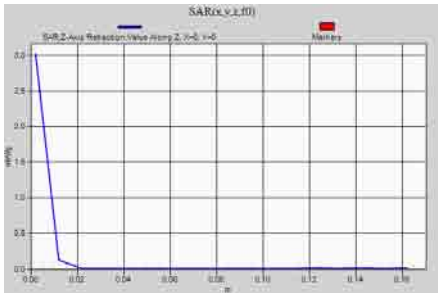
Duty Cycle: 1:1, Medium parameters used: f = 5500 MHz; σ = 5.9 mho/m; ε_r = 45.6; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(3.53, 3.53, 3.53); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 2.56 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 25.462 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 4.643 mW/g
SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.366 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.62 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.01 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/6/2012 10:19:05 AM

Robot#: DASY5-FL-2 | Run#:	HvH-SYSP-5800B-120606-01
Dipole Model#	D5GHzV2
Phantom#:	DUAL1002-Side A
Tissue Temp:	21.4 (C)
Serial#:	1017
Test Freq:	5800 (MHz)
Start Power:	10 (mW)

Target SAR (1W):	76.10 mW/g	(1g)
Adjusted SAR (1W):	76.80 mW/g	(1g)
Percent from Target (+/-):	0.9 %	(1g)
Rotation (1D):	0.20 dB	

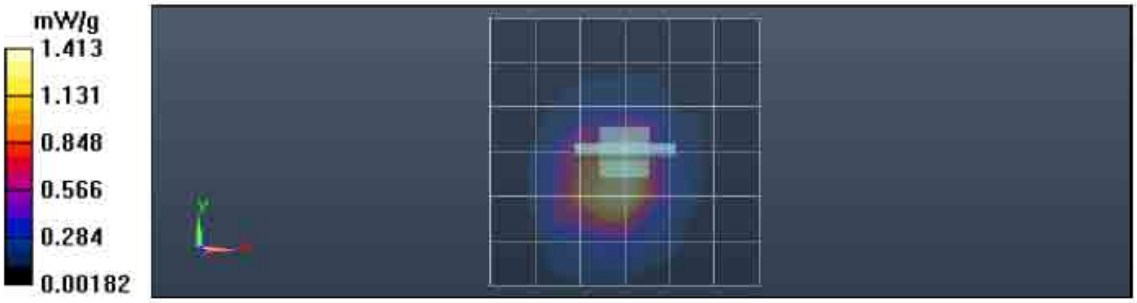
Comments:

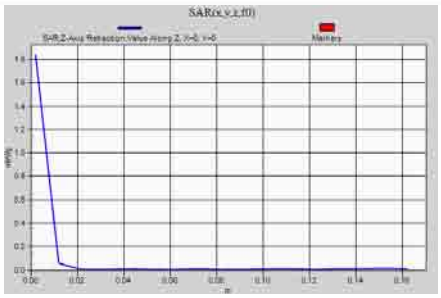
Duty Cycle: 1:1, Medium parameters used: f = 5800 MHz; σ = 6.31 mho/m; ε_r = 44.2; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(3.59, 3.59, 3.59); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (61x61x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 19.285 V/m; Power Drift = 0.03 dB
Fast SAR: SAR(1 g) = 0.785 mW/g; SAR(10 g) = 0.216 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.91 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 19.285 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 2.925 mW/g
SAR(1 g) = 0.768 mW/g; SAR(10 g) = 0.211 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.58 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.84 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/7/2012 9:05:49 AM

Robot#: DASY5-FL-2 | Run#:	HvH-SYSP-5800B-120607-01
Dipole Model#	D5GHzV2
Phantom#:	DUAL1002-Side A
Tissue Temp:	21.4 (C)
Serial#:	1017
Test Freq:	5800 (MHz)
Start Power:	10 (mW)

Target SAR (1W):	76.10 mW/g	(1g)
Adjusted SAR (1W):	76.40 mW/g	(1g)
Percent from Target (+/-):	0.4 %	(1g)
Rotation (1D):	0.20 dB	

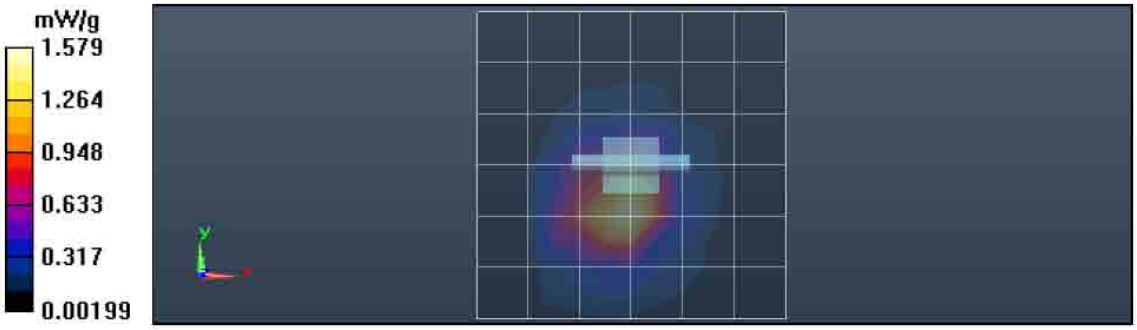
Comments:

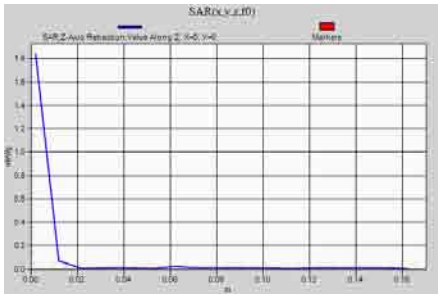
Duty Cycle: 1:1, Medium parameters used: f = 5800 MHz; σ = 6.23 mho/m; ε_r = 44.1; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(3.59, 3.59, 3.59); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (61x61x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 19.768 V/m; Power Drift = 0.08 dB
Fast SAR: SAR(1 g) = 0.779 mW/g; SAR(10 g) = 0.213 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.89 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 19.768 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 3.169 mW/g
SAR(1 g) = 0.764 mW/g; SAR(10 g) = 0.207 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.60 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.84 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/8/2012 2:37:32 PM

Robot#: DASY5-FL-2 | Run#:	CM-SYSP-5800B-120608-01
Dipole Model#	D5GHzV2
Phantom#:	DUAL1002-Side A
Tissue Temp:	21.0 (C)
Serial#:	1017
Test Freq:	5800 (MHz)
Start Power:	10 (mW)

Target SAR (1W):	76.10 mW/g	(1g)
Adjusted SAR (1W):	73.90 mW/g	(1g)
Percent from Target (+/-):	2.9 %	(1g)
Rotation (1D):	0.32 dB	

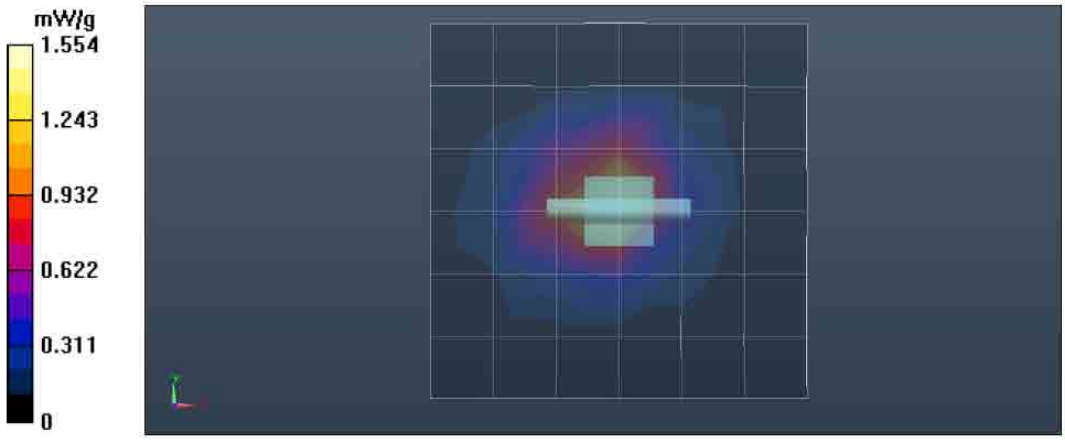
Comments:

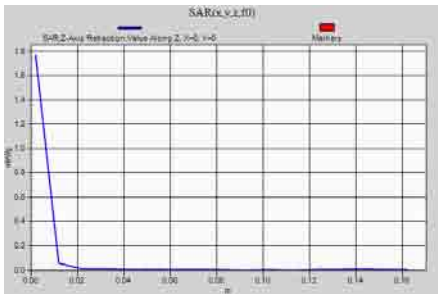
Duty Cycle: 1:1, Medium parameters used: f = 5800 MHz; σ = 6.21 mho/m; ε_r = 43.9; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(3.59, 3.59, 3.59); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (61x61x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 19.292 V/m; Power Drift = 0.01 dB
Fast SAR: SAR(1 g) = 0.756 mW/g; SAR(10 g) = 0.209 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.77 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 19.292 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.869 mW/g
SAR(1 g) = 0.739 mW/g; SAR(10 g) = 0.204 mW/g (SAR corrected for target medium)

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.77 mW/g





Motorola Solutions, Inc. EME Laboratory
Date/Time: 6/9/2012 4:08:09 PM

Robot#: DASY5-FL-2 | Run#:	CM-SYSP-5200B-120609-07
Dipole Model#	D5GHzV2
Phantom#:	DUAL1002-Side A
Tissue Temp:	21.0 (C)
Serial#:	1017
Test Freq:	5200 (MHz)
Start Power:	10 (mW)

Target SAR (1W):	80.00 mW/g (1g)
Adjusted SAR (1W):	83.00 mW/g (1g)
Percent from Target (+/-):	3.8 % (1g)
Rotation (1D):	0.13 dB

Comments:

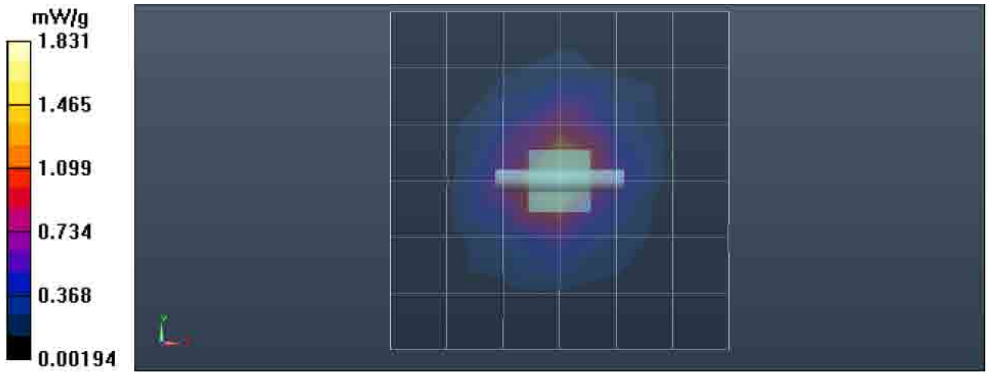
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 5.46 mho/m; ε_r = 44.9; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.1, 4.1, 4.1); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

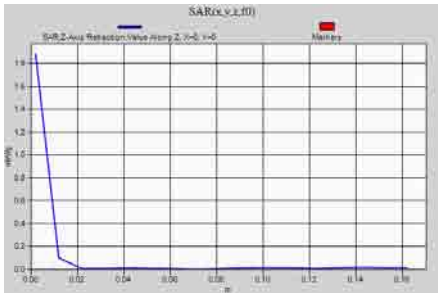
4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (61x61x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 20.818 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 0.843 mW/g; SAR(10 g) = 0.233 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.89 mW/g

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 1.83 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 20.818 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.014 mW/g
SAR(1 g) = 0.830 mW/g; SAR(10 g) = 0.232 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.64 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.88 mW/g





*NOTE: SYSP for 6/9 was used for 6/10 as well – within 24 hours

Motorola Solutions, Inc. EME Laboratory
Date/Time: 6/9/2012 11:05:04 PM

Robot#: DASY5-FL-2 | Run#:	CM-SYSP-5500B-120609-12
Dipole Model#	D5GHzV2
Phantom#:	DUAL1002-Side A
Tissue Temp:	21.2 (C)
Serial#:	1017
Test Freq:	5500 (MHz)
Start Power:	15 (mW)
Target SAR (1W):	86.00 mW/g (1g)
Adjusted SAR (1W):	79.90 mW/g (1g)
Percent from Target (+/-):	7.1 % (1g)
Rotation (1D):	0.16 dB

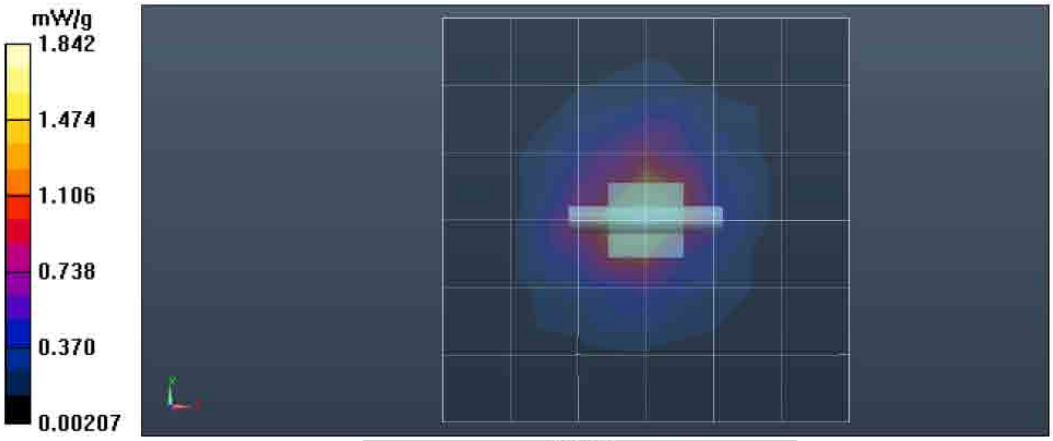
Comments:

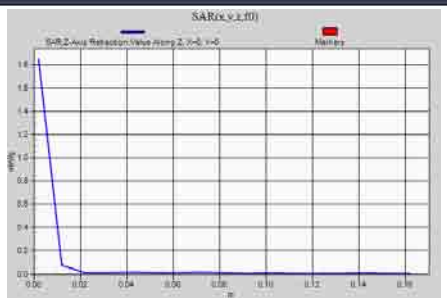
Duty Cycle: 1:1, Medium parameters used: f = 5500 MHz; σ = 5.85 mho/m; ε_r = 44; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(3.53, 3.53, 3.53); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (61x61x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 20.452 V/m; Power Drift = 0.01 dB
Fast SAR: SAR(1 g) = 0.823 mW/g; SAR(10 g) = 0.223 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.91 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 20.452 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.894 mW/g
SAR(1 g) = 0.799 mW/g; SAR(10 g) = 0.221 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.60 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.85 mW/g





*NOTE: SYSP for 6/9 was used for 6/10 as well – within 24 hours

Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/9/2012 8:45:51 AM

Robot#: DASY5-FL-2 | Run#:	HvH-SYSP-5800B-120609-01
Dipole Model#	D5GHzV2
Phantom#:	DUAL1002-Side A
Tissue Temp:	21.0 (C)
Serial#:	1017
Test Freq:	5800 (MHz)
Start Power:	10 (mW)

Target SAR (1W):	76.10 mW/g	(1g)
Adjusted SAR (1W):	77.00 mW/g	(1g)
Percent from Target (+/-):	1.2 %	(1g)
Rotation (1D):	0.18 dB	

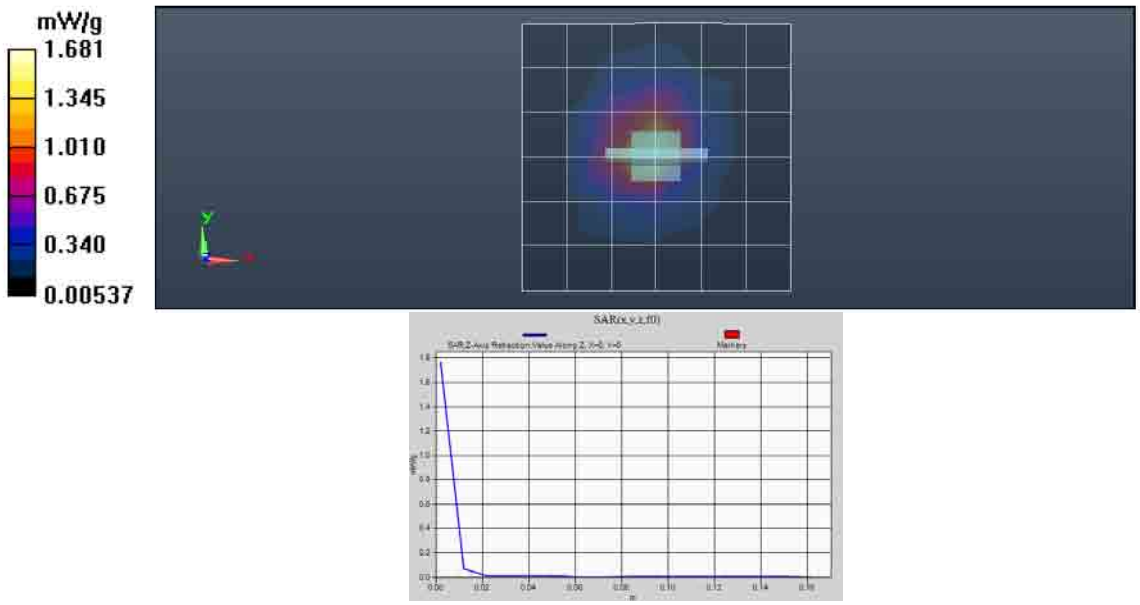
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 5800 MHz; σ = 6.31 mho/m; ε_r = 43.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(3.59, 3.59, 3.59); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (61x61x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 19.254 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 0.809 mW/g; SAR(10 g) = 0.220 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.95 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 19.254 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.961 mW/g
SAR(1 g) = 0.770 mW/g; SAR(10 g) = 0.212 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.57 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.77 mW/g



Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/10/2012 9:19:38 AM

Robot#: DASY5-FL-2 | Run#:	HvH-SYSP-5200H-120610-04
Dipole Model#	D5GHzV2
Phantom#:	SAMTP1209
Tissue Temp:	21.5 (C)
Serial#:	1017
Test Freq:	5200 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	81.33 mW/g	(1g)
Adjusted SAR (1W):	89.33 mW/g	(1g)
Percent from Target (+/-):	9.8 %	(1g)
Rotation (1D):	0.10 dB	

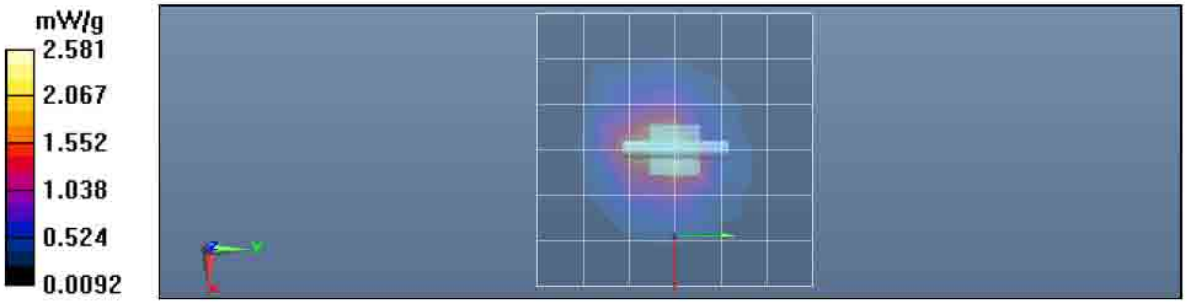
Comments:

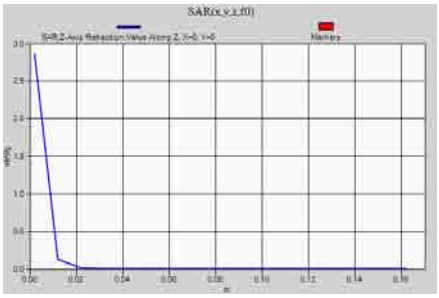
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 4.77 mho/m; ε_r = 33.5; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(5.15, 5.15, 5.15); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (61x61x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 25.776 V/m; Power Drift = -0.06 dB
Fast SAR: SAR(1 g) = 3.63 mW/g; SAR(10 g) = 5.49 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.08 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 25.776 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 5.547 mW/g
SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.378 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.78 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.86 mW/g





Motorola Solutions, Inc. EME Laboratory
Date/Time: 6/13/2012 1:06:23 PM

Robot#. DASY5-FL-2 | Run#:	JsT-SYSP-5500B-120613-05
Dipole Model#:	D5GHzV2
Phantom#:	DUAL1002-Side A
Tissue Temp:	21.1 (C)
Serial#:	1017
Test Freq:	5500 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	86.00 mW/g (1g)
Adjusted SAR (1W):	85.33 mW/g (1g)
Percent from Target (+/-):	0.8 % (1g)
Rotation (1D):	0.21 dB

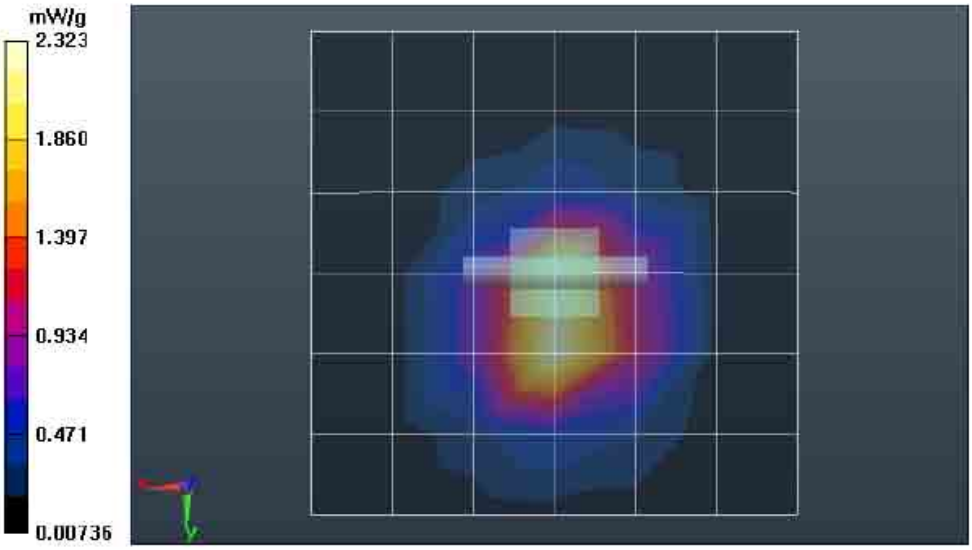
Comments:

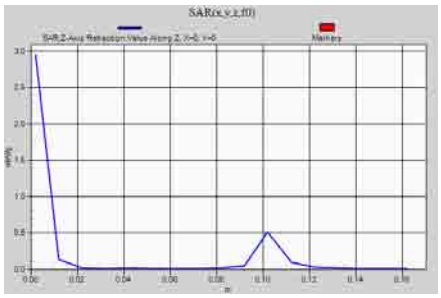
Duty Cycle: 1:1, Medium parameters used: f = 5500 MHz; σ = 6.05 mho/m; ε_r = 44.9; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(3.53, 3.53, 3.53); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 2.32 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 25.295 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 4.586 mW/g
SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.344 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.65 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.95 mW/g





Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/26/2012 6:37:22 AM

Robot#: DASY5-FL-2 | Run#:	JsT-SYSP-5200B-120726-01
Dipole Model#	D5GHzV2
Phantom#:	DUAL1002-Side A
Tissue Temp:	21.5 (C)
Serial#:	1017
Test Freq:	5200 (MHz)
Start Power:	15 (mW)

Target SAR (1W):	80.00 mW/g	(1g)
Adjusted SAR (1W):	80.67 mW/g	(1g)
Percent from Target (+/-):	0.8 %	(1g)
Rotation (1D):	0.13 dB	

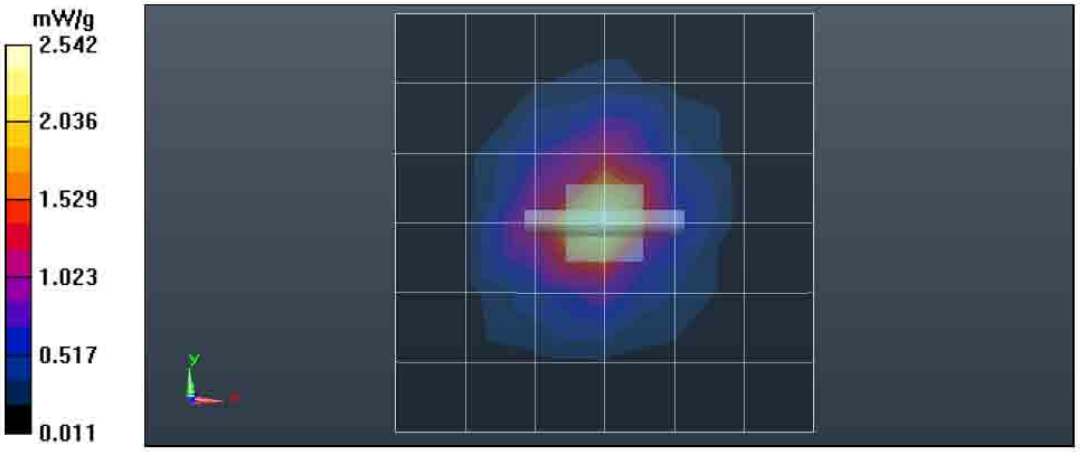
Comments:

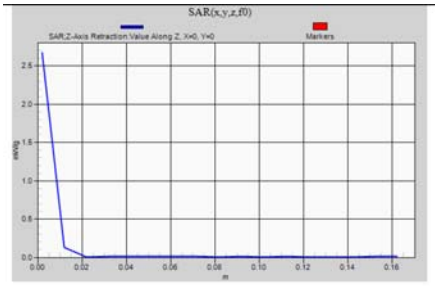
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 5.69 mho/m; ε_r = 49; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.1, 4.1, 4.1); Calibrated: 9/26/2011
Electronics: DAE3 Sn401, Calibrated: 3/9/2012

4-6 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 2.54 mW/g

4-6 GHz-Rev.2/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 24.340 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 4.581 mW/g
SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.344 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.32 mW/g

4-6 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.67 mW/g





H.7 DUT Scans (Shortened Scan and Highest SAR Configuration)

Shortened Scan Result
Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/26/2012 10:33:43 AM

Robot#: DASY5-FL-2 | Run#:	JsT-Ab-120726-03
Model#:	LEX700
Phantom#:	DUAL1002-Side A
Tissue Temp:	21.1 (C)
Serial#:	12053522500135
Antenna:	Internal WLAN Main (25.90AD1.001)
Test Freq:	5280 (MHz)
Battery:	Low Capacity (82-154162-01) w/ Cover (60.15U26.001)
Carry Acc:	TTN1002A (Modified #2)
Audio Acc:	25-128458-01R
Start Power:	0.04677 (W)

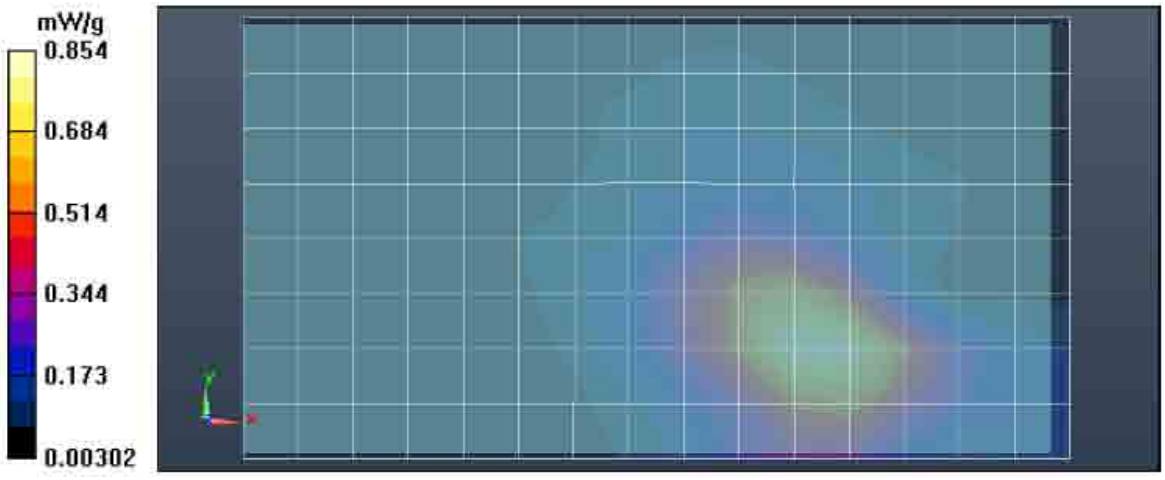
Comments: Shortened Scan; Back / Top Up (Battery Facing Phantom)

Duty Cycle: 1:1, Medium parameters used: f = 5280 MHz; σ = 5.88 mho/m; ε_r = 48.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(3.8, 3.8, 3.8); Calibrated: 9/26/2011
Electronics: DAE3 Sn401, Calibrated: 3/9/2012

4-6 GHz-Rev.2/Shortened Ab Scan/1-Area Scan (81x151x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 8.523 V/m; Power Drift = -0.52 dB
Fast SAR: SAR(1 g) = 0.483 mW/g; SAR(10 g) = 0.187 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.913 mW/g

4-6 GHz-Rev.2/Shortened Ab Scan/2-Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 14.230 V/m; Power Drift = -0.45 dB
Peak SAR (extrapolated) = 1.470 mW/g
SAR(1 g) = 0.474 mW/g; SAR(10 g) = 0.188 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.841 mW/g

4-6 GHz-Rev.2/Shortened Ab Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.812 mW/g



Shortened scan reflect highest SAR producing configuration; approximate run time is 20 minutes. Representative full scan run time was 48 minutes.
"Shortened" scan max calculated SAR using SAR drift: 1-g Avg. = 0.526 mW/g; 10-g Avg. = 0.209 mW/g. Zoom scan max calculated SAR using SAR drift(see Table H.17):1-g Avg.=0.671 mW/g;10-g Avg. = 0.245 mW/g.

Highest SAR Configuration Result

Motorola Solutions, Inc. EME Laboratory
Date/Time: 6/4/2012 8:52:26 AM

Robot#: DASY5-FL-2 | Run#:	JsT-Ab-120604-02
Model#:	LEX700
Phantom#:	DUAL1002-Side A
Tissue Temp:	21.6 (C)
Serial#:	12053522500227
Antenna:	Internal WLAN Main (25.90AD1.001)
Test Freq:	5280 (MHz)
Battery:	Low Capacity (82-154162-01) w/ Cover (60.15U26.001)
Carry Acc:	TTN1002A (Modified)
Audio Acc:	25-128458-01R
Start Power:	0.04467 (W)

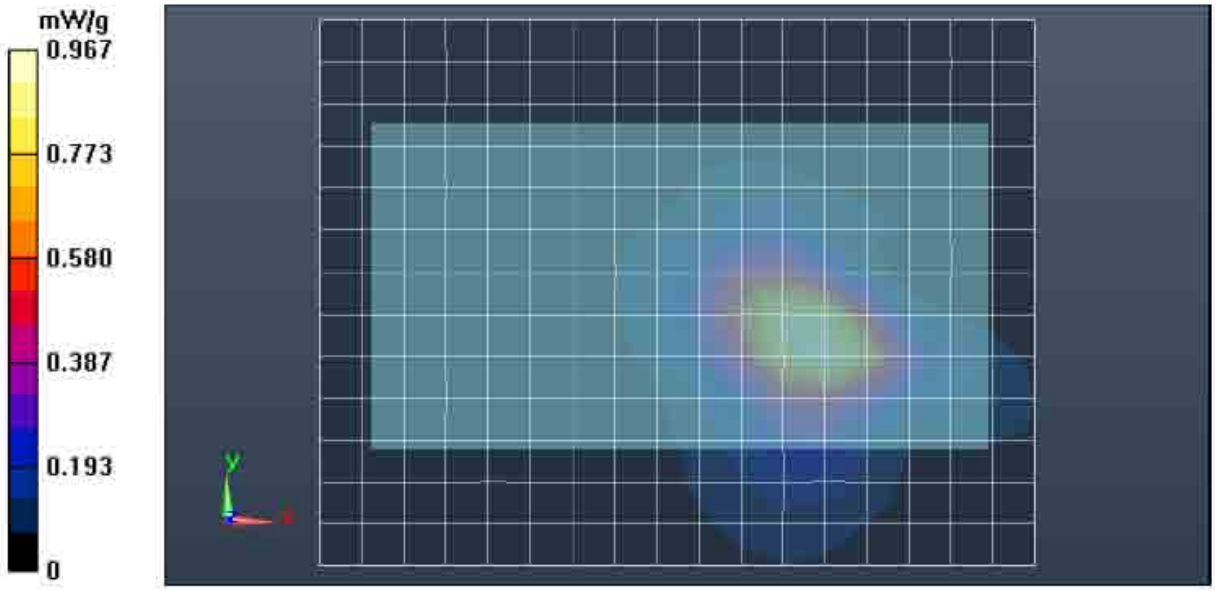
Comments: Full Scan; Back / Top Up (Battery Facing Phantom)

Duty Cycle: 1:1, Medium parameters used: f = 5280 MHz, σ = 5.6 mho/m; ε_r = 46.5; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(3.8, 3.8, 3.8); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/Full Ab Scan/1-Area Scan (131x171x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 12.324 V/m; Power Drift = -0.44 dB
Fast SAR: SAR(1 g) = 1.51 mW/g; SAR(10 g) = 3.07 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.05 mW/g

4-6 GHz-Rev.2/Full Ab Scan/2-Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 12.324 V/m; Power Drift = -0.53 dB
Peak SAR (extrapolated) = 2.568 mW/g
SAR(1 g) = 0.567 mW/g; SAR(10 g) = 0.207 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.04 mW/g

4-6 GHz-Rev.2/Full Ab Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.118 mW/g



DUT Scans

Body 802.11a (5.18 – 5.32 GHz)
Motorola Solutions, Inc. EME Laboratory
Date/Time: 6/4/2012 8:52:26 AM

Robot#: DASY5-FL-2 | Run#:	JsT-Ab-120604-02
Model#:	LEX700
Phantom#:	DUAL1002-Side A
Tissue Temp:	21.6 (C)
Serial#:	12053522500227
Antenna:	Internal WLAN Main (25.90AD1.001)
Test Freq:	5280 (MHz)
Battery:	Low Capacity (82-154162-01) w/ Cover (60.15U26.001)
Carry Acc:	TTN1002A (Modified)
Audio Acc:	25-128458-01R
Start Power:	0.04467 (W)

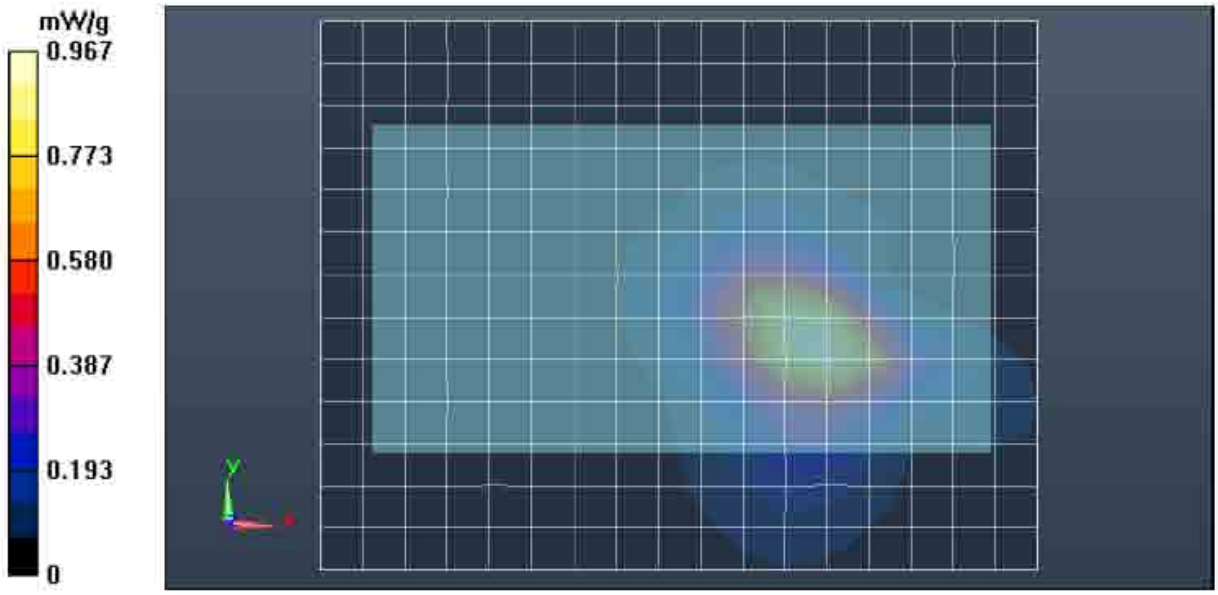
Comments: Full Scan; Back / Top Up (Battery Facing Phantom)

Duty Cycle: 1:1, Medium parameters used: f = 5280 MHz; σ = 5.6 mho/m; ε_r = 46.5; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(3.8, 3.8, 3.8); Calibrated: 9/26/2011
Electronics: DAE4 Sn850; Calibrated: 7/22/2011

4-6 GHz-Rev.2/Full Ab Scan/1-Area Scan (131x171x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 12.324 V/m; Power Drift = -0.44 dB
Fast SAR: SAR(1 g) = 1.51 mW/g; SAR(10 g) = 3.07 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.05 mW/g

4-6 GHz-Rev.2/Full Ab Scan/2-Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 12.324 V/m; Power Drift = -0.53 dB
Peak SAR (extrapolated) = 2.568 mW/g
SAR(1 g) = 0.567 mW/g; SAR(10 g) = 0.207 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.04 mW/g

4-6 GHz-Rev.2/Full Ab Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.118 mW/g



Right Ear Touch 802.11a (5.18 – 5.32 GHz)

Motorola Solutions, Inc. EME Laboratory
Date/Time: 5/8/2012 11:23:37 PM

Robot#: DASY5-FL-2 | Run#:	CM-Rear-120508-07
Model#:	LEX700
Phantom#:	SAMTP1209
Tissue Temp:	21.6 (C)
Serial#:	12053522500135
Antenna:	Internal WLAN Main (25.90AD1.001)
Test Freq:	5280 (MHz)
Battery:	High Capacity (82-154162-02) w/ Cover (60.15U27.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.04467 (W)

Comments: Full Scan; Touch

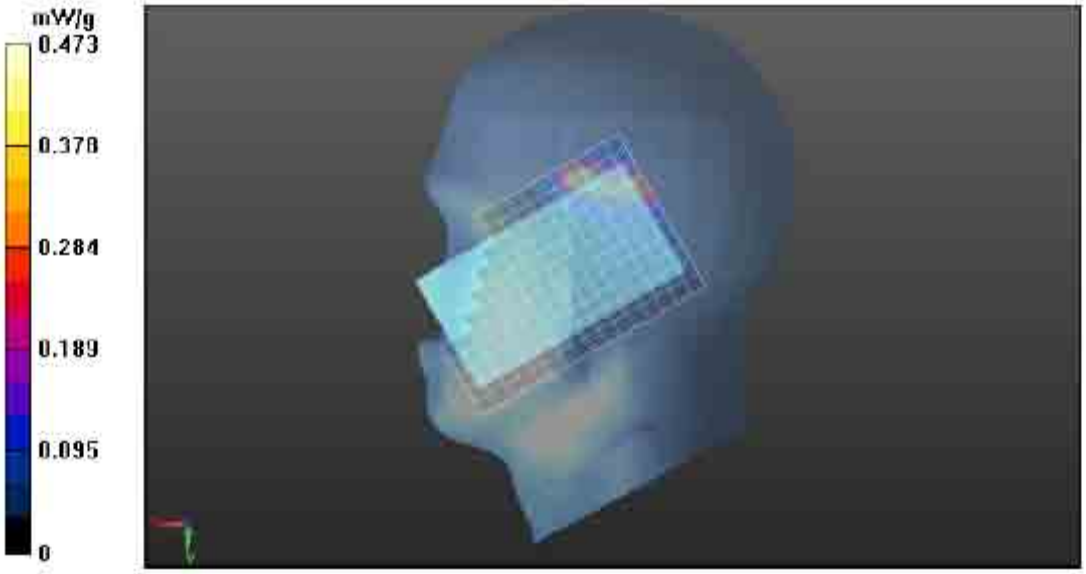
Duty Cycle: 1:1, Medium parameters used: f = 5280 MHz; σ = 4.84 mho/m; ε_r = 34; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.8, 4.8, 4.8); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/Full Scan Right Ear-Touch Position/1-Area Scan (111x161x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 4.684 V/m; Power Drift = -0.51 dB

Maximum value of SAR (interpolated) = 0.526 mW/g

4-6 GHz-Rev.2/Full Scan Right Ear-Touch Position/2-Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 4.684 V/m; Power Drift = -0.79 dB
Peak SAR (extrapolated) = 0.970 mW/g
SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.094 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.494 mW/g

4-6 GHz-Rev.2/Full Scan Right Ear-Touch Position/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.492 mW/g



Right Ear Tilt 802.11a (5.18 – 5.32 GHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/9/2012 9:31:45 AM

Robot#: DASY5-FL-2 | Run#:	JsT-Rear-120509-03
Model#:	LEX700
Phantom#:	SAMTP1209
Tissue Temp:	21.2 (C)
Serial#:	12053522500135
Antenna:	Internal WLAN Main (25.90AD1.001)
Test Freq:	5280 (MHz)
Battery:	High Capacity (82-154162-02) w/ Cover (60.15U27.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.04467 (W)

Comments: Full Scan; Tilt

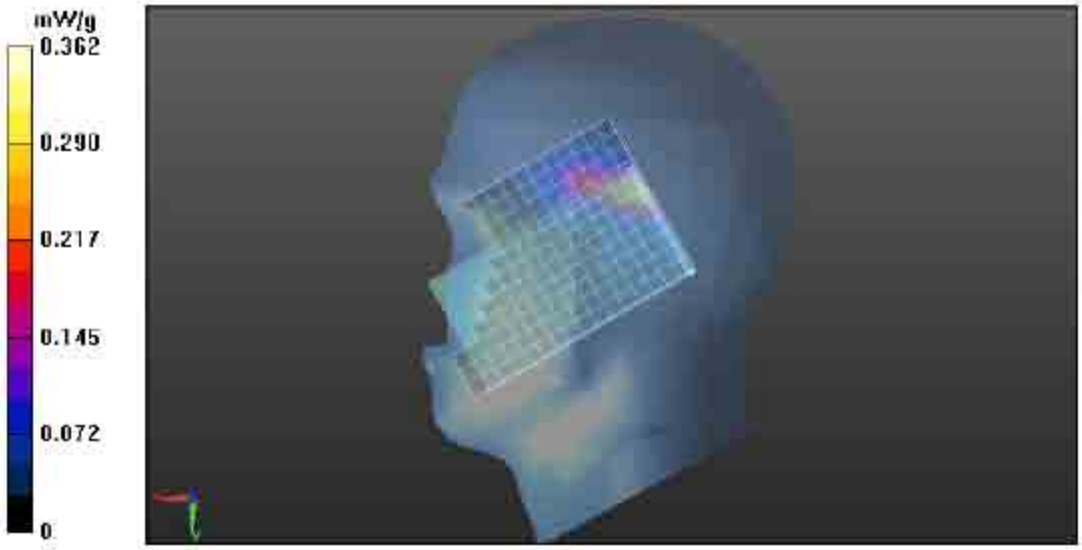
Duty Cycle: 1:1, Medium parameters used: f = 5280 MHz; σ = 4.68 mho/m; ε_r = 35.3; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735; , ConvF(4.8, 4.8, 4.8); Calibrated: 9/26/2011
Electronics: DAE4 Sn850; Calibrated: 7/22/2011

4-6 GHz-Rev.2/Full Scan Right Ear-Tilt Position/1-Area Scan (111x161x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 4.912 V/m; Power Drift = -0.67 dB

Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.
Maximum value of SAR (interpolated) = 0.368 mW/g

4-6 GHz-Rev.2/Full Scan Right Ear-Tilt Position/2-Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 4.912 V/m; Power Drift = -0.61 dB
Peak SAR (extrapolated) = 0.662 mW/g
SAR(1 g) = 0.200 mW/g; SAR(10 g) = 0.083 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.356 mW/g

4-6 GHz-Rev.2/Full Scan Right Ear-Tilt Position/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm



Left Ear Touch 802.11a (5.18 – 5.32 GHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/10/2012 9:39:22 AM

Robot#: DASY5-FL-2 | Run#:	JsT-Lear-120510-04
Model#:	LEX700
Phantom#:	SAMTP1209
Tissue Temp	21.3 (C)
Serial#:	12053522500135
Antenna:	Internal WLAN Diversity (25.90AD2.001)
Test Freq:	5280 (MHz)
Battery:	High Capacity (82-154162-02) w/ Cover (60.15U27.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.02818 (W)

Comments: Full Scan, Touch

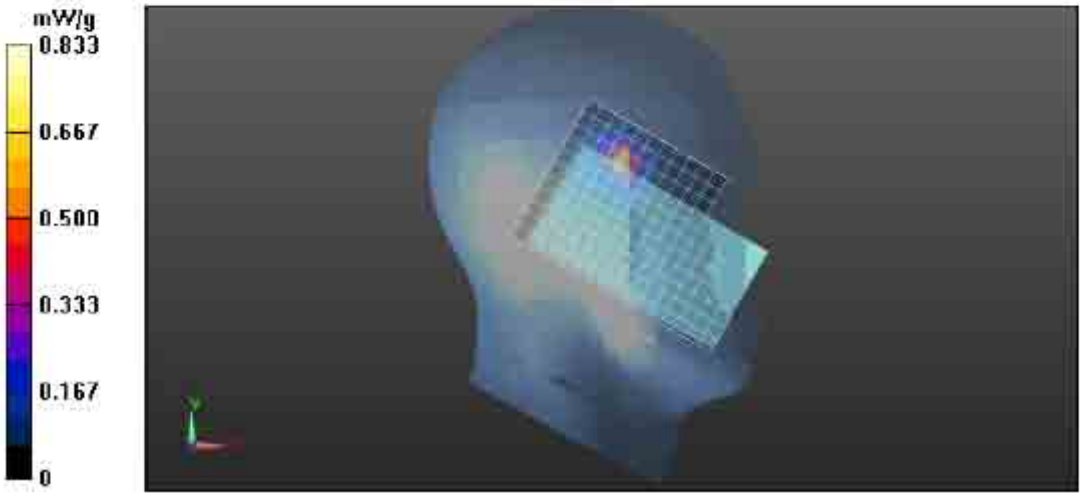
Duty Cycle: 1:1, Medium parameters used: f = 5280 MHz; σ = 4.81 mho/m; ε_r = 33.4; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.8, 4.8, 4.8); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/Full Scan Left Ear-Touch Position/1-Area Scan (111x161x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 6.700 V/m; Power Drift = -0.75 dB

Maximum value of SAR (interpolated) = 0.916 mW/g

4-6 GHz-Rev.2/Full Scan Left Ear-Touch Position/2-Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 6.700 V/m; Power Drift = -0.67 dB
Peak SAR (extrapolated) = 2.085 mW/g
SAR(1 g) = 0.482 mW/g; SAR(10 g) = 0.144 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.962 mW/g

4-6 GHz-Rev.2/Full Scan Left Ear-Touch Position/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.06 mW/g



Left Ear Tilt 802.11a (5.18 – 5.32 GHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/10/2012 11:41:26 AM

Robot#: DASY5-FL-2 | Run#:	JsT-Lear-120510-06
Model#:	LEX700
Phantom#:	SAMTP1209
Tissue Temp:	21.1 (C)
Serial#:	12053522500135
Antenna:	Internal WLAN Main (25.90AD1.001)
Test Freq:	5280 (MHz)
Battery:	High Capacity (82-154162-02) w/ Cover (60.15U27.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.04467 (W)

Comments: Full Scan; Tilt

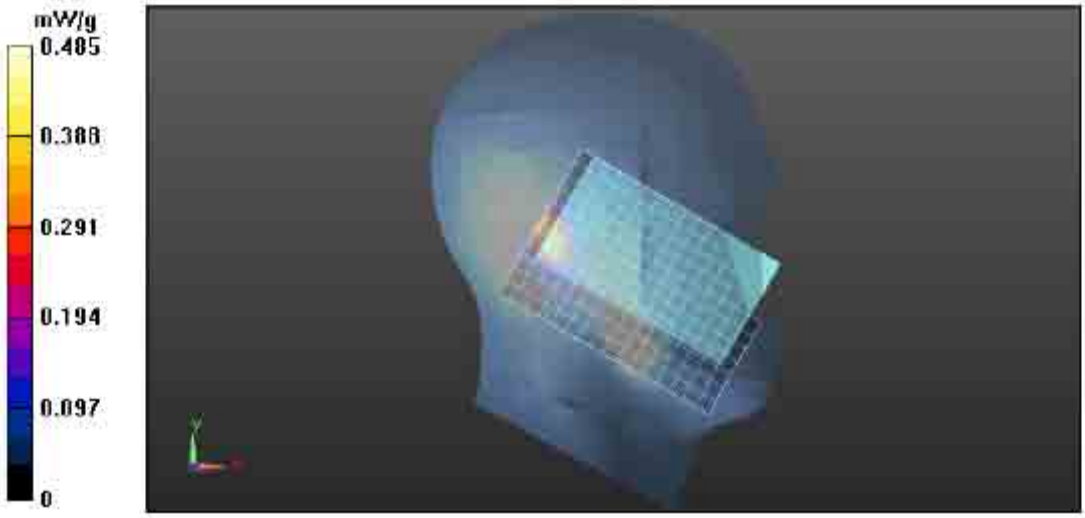
Duty Cycle: 1:1, Medium parameters used: f = 5280 MHz; σ = 4.81 mho/m; ε_r = 33.4; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.8, 4.8, 4.8); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/Full Scan Left Ear-Tilt Position/1-Area Scan (111x161x1): Measurement grid:
dx=9mm, dy=9mm
Reference Value = 8.060 V/m; Power Drift = 0.34 dB

Maximum value of SAR (interpolated) = 0.503 mW/g

4-6 GHz-Rev.2/Full Scan Left Ear-Tilt Position/2-Zoom Scan (8x9x12)/Cube 0: Measurement grid:
dx=4mm, dy=4mm, dz=2mm
Reference Value = 8.060 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.855 mW/g
SAR(1 g) = 0.267 mW/g; SAR(10 g) = 0.104 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.474 mW/g

4-6 GHz-Rev.2/Full Scan Left Ear-Tilt Position/3-Z-Axis Scan (1x1x17): Measurement grid:
dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.460 mW/g



Face 802.11a (5.18 – 5.32 GHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/29/2012 5:31:56 PM

Robot#: DASY5-FL-2 | Run#:	JsT-Face-120529-15
Model#:	LEX700
Phantom#:	SAMTP1209
Tissue Temp:	21.0 (C)
Serial#:	12053522500135
Antenna:	Internal WLAN Diversity (25.90AD2.001)
Test Freq:	5320 (MHz)
Battery:	High Capacity (82-154162-02) w/ Cover (60.15U27.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.02754 (W)

Comments: Shortened Scan

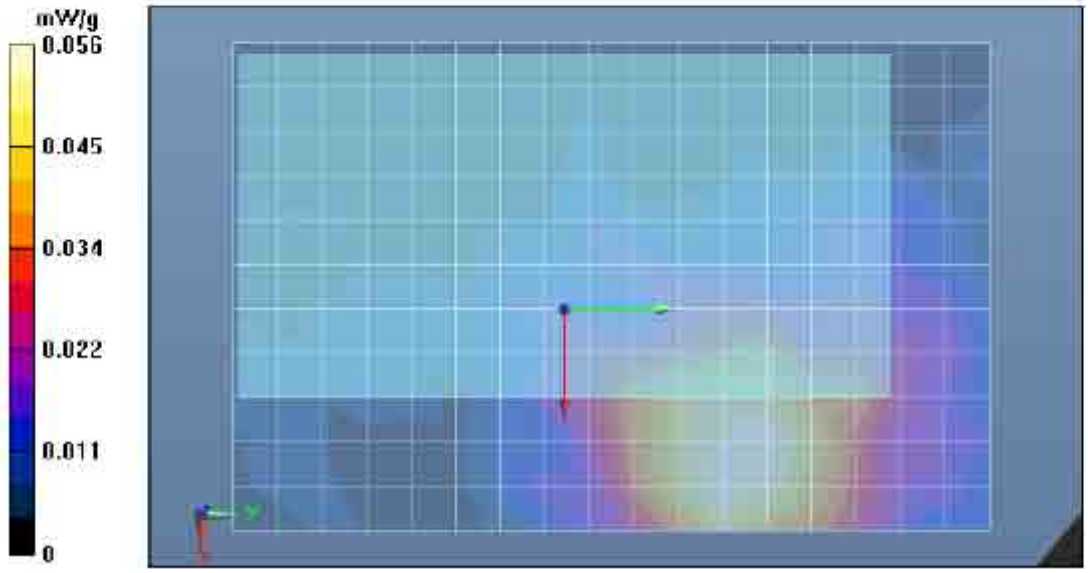
Duty Cycle: 1:1, Medium parameters used: f = 5320 MHz; σ = 4.84 mho/m; ε_r = 33.6; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.8, 4.8, 4.8); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/Shortened Face Scan/1-Area Scan (111x171x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 1.963 V/m; Power Drift = -0.64 dB

Maximum value of SAR (interpolated) = 0.0568 mW/g

4-6 GHz-Rev.2/Shortened Face Scan/2-Zoom Scan 2 (10x10x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.276 V/m; Power Drift = -0.74 dB
Peak SAR (extrapolated) = 0.455 mW/g
SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.017 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.0537 mW/g

4-6 GHz-Rev.2/Shortened Face Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.0479 mW/g



Body 802.11a (5.5 – 5.7 GHz)
Motorola Solutions, Inc. EME Laboratory
Date/Time: 6/13/2012 2:34:04 PM

Robot#: DASY5-FL-2 | Run#:	JsT-Ab-120613-07
Model#:	LEX700
Phantom#:	DUAL1002-Side A
Tissue Temp:	21.0 (C)
Serial#:	12053522500135
Antenna:	Internal WLAN Main (25.90AD1.001)
Test Freq:	5660 (MHz)
Battery:	High Capacity (82-154162-02) w/ Cover (60.15U27.001)
Carry Acc:	TTN1002A
Audio Acc:	None
Start Power:	0.03090 (W)

Comments: Shortened Scan; Back / Top Up (Battery Facing Phantom)

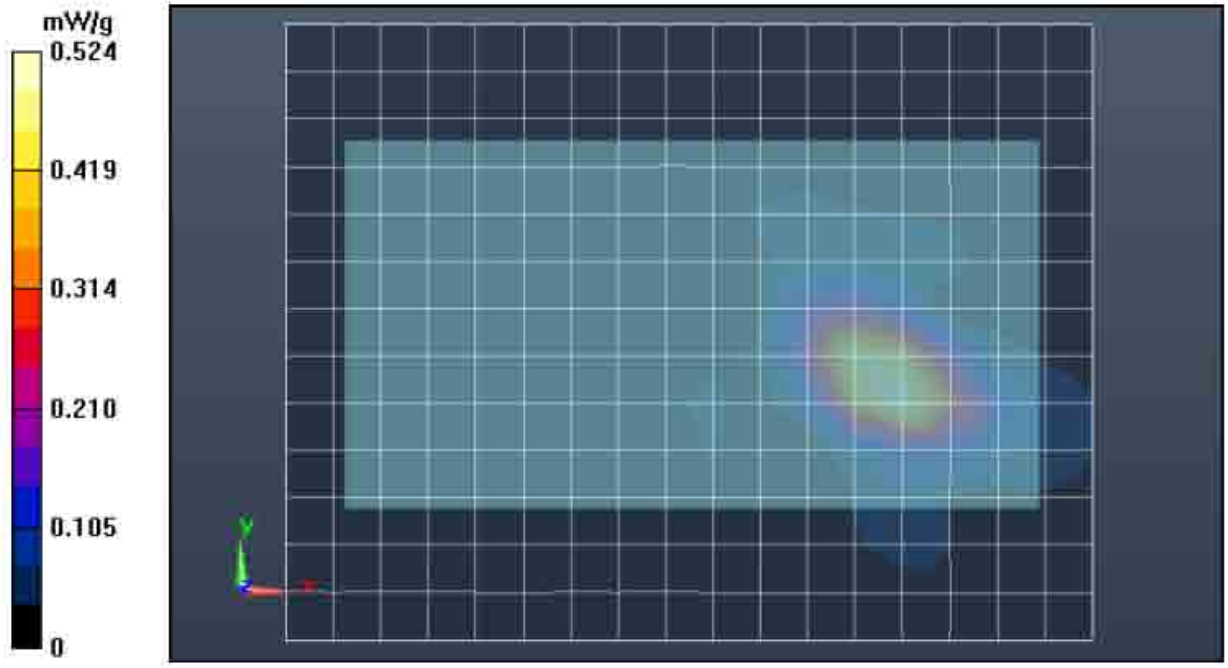
Duty Cycle: 1:1, Medium parameters used: f = 5660 MHz; σ = 6.28 mho/m; ε_r = 44.6; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(3.35, 3.35, 3.35); Calibrated: 9/26/2011
Electronics: DAE4 Sn850; Calibrated: 7/22/2011

4-6 GHz-Rev.2/Shortened Ab Scan/1-Area Scan (131x171x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 7.244 V/m; Power Drift = -1.16 dB

Maximum value of SAR (interpolated) = 0.624 mW/g

4-6 GHz-Rev.2/Shortened Ab Scan/2-Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 12.220 V/m; Power Drift = -0.94 dB
Peak SAR (extrapolated) = 0.938 mW/g
SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.104 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.571 mW/g

4-6 GHz-Rev.2/Shortened Ab Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.553 mW/g



Right Ear Touch 802.11a (5.5 – 5.7 GHz)

Motorola Solutions, Inc. EME Laboratory
Date/Time: 5/11/2012 12:57:53 PM

Robot#: DASY5-FL-2 | Run#:	JsT-Rear-120511-09
Model#:	LEX700
Phantom#:	SAMTP1209
Tissue Temp:	21.0 (C)
Serial#:	12053522500135
Antenna:	Internal WLAN Main (25.90AD1.001)
Test Freq:	5540 (MHz)
Battery:	Low Capacity (82-154162-01) w/ Cover (60.15U26.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.03548 (W)

Comments: Shortened Scan, Touch

Duty Cycle: 1:1, Medium parameters used: f = 5540 MHz; σ = 5 mho/m; ε_r = 33.4; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.38, 4.38, 4.38); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/Shortened Scan Right Ear-Touch Position/1-Area Scan (111x161x1):

Measurement grid: dx=9mm, dy=9mm
Reference Value = 3.123 V/m; Power Drift = -1.28 dB

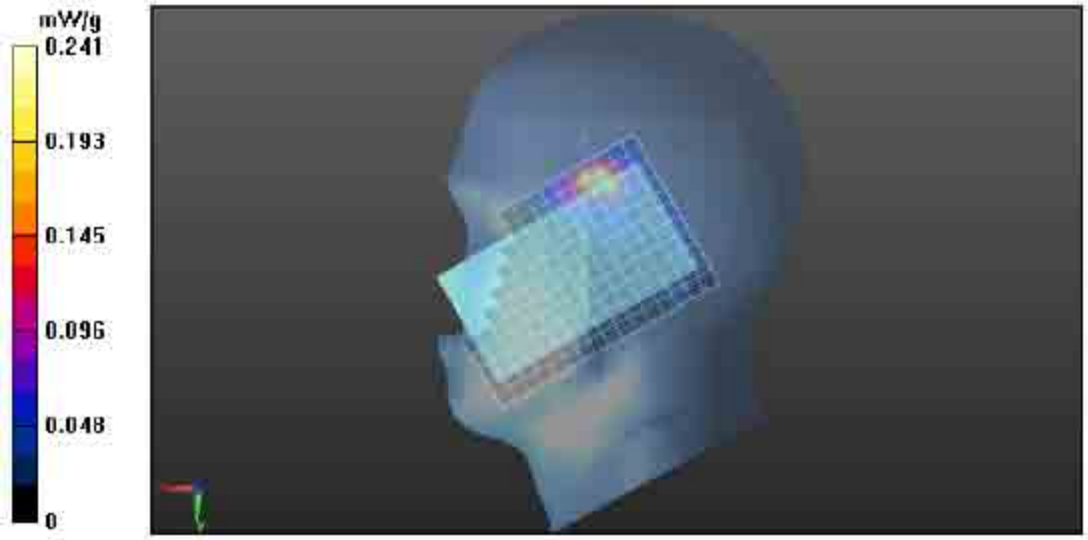
Maximum value of SAR (interpolated) = 0.271 mW/g

4-6 GHz-Rev.2/Shortened Scan Right Ear-Touch Position/2-Zoom Scan (9x11x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 8.394 V/m; Power Drift = -0.47 dB
Peak SAR (extrapolated) = 0.767 mW/g
SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.085 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.376 mW/g

4-6 GHz-Rev.2/Shortened Scan Right Ear-Touch Position/3-Z-Axis Scan (1x1x17):

Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.357 mW/g



Right Ear Tilt 802.11a (5.5 – 5.7 GHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/11/2012 5:12:43 PM

Robot#: DASY5-FL-2 | Run#: CM-Rear-120511-13
Model#: LEX700
Phantom#: SAMTP1209
Tissue Temp: 21.0 (C)
Serial#: 12053522500135
Antenna: Internal WLAN Diversity (25.90AD2.001)
Test Freq: 5640 (MHz)
Battery: Low Capacity (82-154162-01) w/ Cover (60.15U26.001)
Carry Acc: None
Audio Acc: None
Start Power: 0.02399 (W)

Comments: Full Scan; Tilt

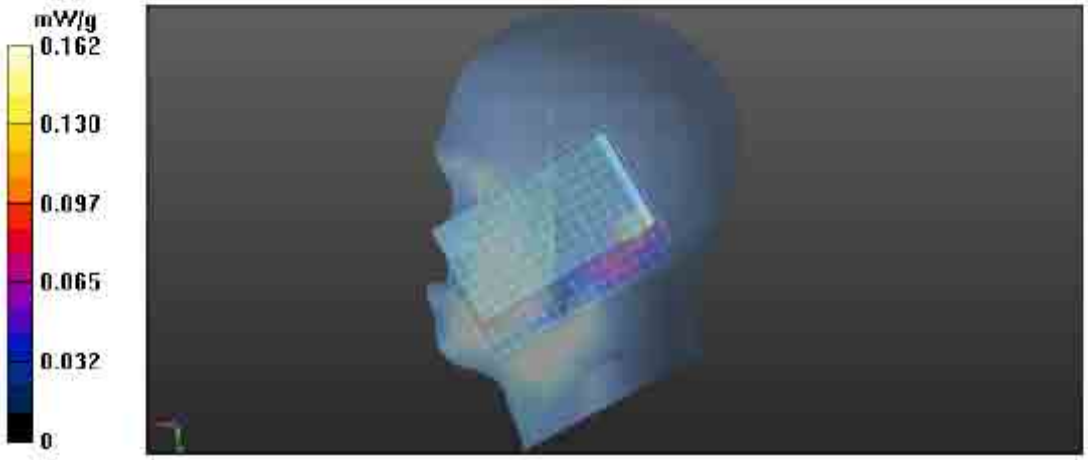
Duty Cycle: 1:1, Medium parameters used: f = 5640 MHz; σ = 5.06 mho/m; ε_r = 33.3; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.08, 4.08, 4.08); Calibrated: 9/26/2011
Electronics: DAE4 Sn850; Calibrated: 7/22/2011

4-6 GHz-Rev.2/Full Scan Right Ear-Tilt Position/1-Area Scan (111x161x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 6.742 V/m; Power Drift = -0.65 dB

Maximum value of SAR (interpolated) = 0.195 mW/g

4-6 GHz-Rev.2/Full Scan Right Ear-Tilt Position/2-Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 6.742 V/m; Power Drift = -0.87 dB
Peak SAR (extrapolated) = 0.343 mW/g
SAR(1 g) = 0.106 mW/g; SAR(10 g) = 0.052 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.186 mW/g

4-6 GHz-Rev.2/Full Scan Right Ear-Tilt Position/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.169 mW/g



Left Ear Touch 802.11a (5.5 – 5.7 GHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/11/2012 8:51:04 PM

Robot#: DASY5-FL-2 | Run#:	JsT-Lear-120512-03
Model#:	LEX700
Phantom#:	SAMTP1209
Tissue Temp:	21.3 (C)
Serial#:	12053522500135
Antenna:	Internal WLAN Diversity (25.90AD2.001)
Test Freq:	5560 (MHz)
Battery:	Low Capacity (82-154162-01) w/ Cover (60.15U26.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.02399 (W)

Comments: Shortened Scan, Touch

Duty Cycle: 1:1, Medium parameters used: f = 5560 MHz; σ = 5.01 mho/m; ε_r = 33.1; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.08, 4.08, 4.08); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/Shortened Scan Left Ear-Touch Position/1-Area Scan (111x161x1): Measurement

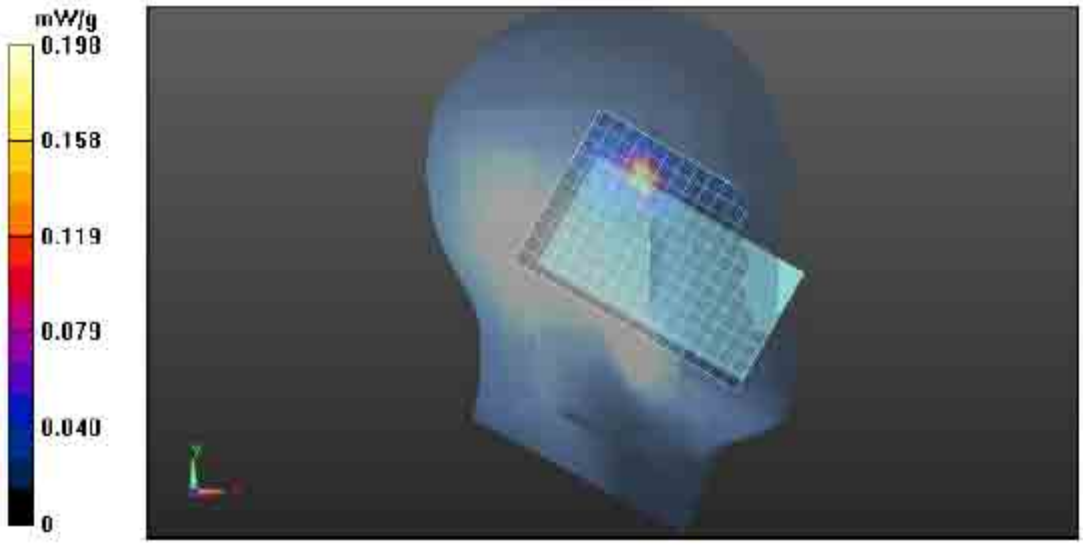
grid: dx=9mm, dy=9mm
Reference Value = 3.934 V/m; Power Drift = -1.17 dB
Maximum value of SAR (interpolated) = 0.247 mW/g

4-6 GHz-Rev.2/Shortened Scan Left Ear-Touch Position/2-Zoom Scan 3 (9x9x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 13.531 V/m; Power Drift = -0.53 dB
Peak SAR (extrapolated) = 1.592 mW/g
SAR(1 g) = 0.372 mW/g; SAR(10 g) = 0.115 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.787 mW/g

4-6 GHz-Rev.2/Shortened Scan Left Ear-Touch Position/3-Z-Axis Scan (1x1x17): Measurement

grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.278 mW/g



Left Ear Tilt 802.11a (5.5 – 5.7 GHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/12/2012 10:26:10 AM

Robot#: DASY5-FL-2 | Run#:	JsT-Lear-120512-06
Model#:	LEX700
Phantom#:	SAMTP1209
Tissue Temp:	20.9 (C)
Serial#:	12053522500135
Antenna:	Internal WLAN Diversity (25.90AD2.001)
Test Freq:	5560 (MHz)
Battery:	Low Capacity (82-154162-01) w/ Cover (60.15U26.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.02399 (W)

Comments: Full Scan; Tilt

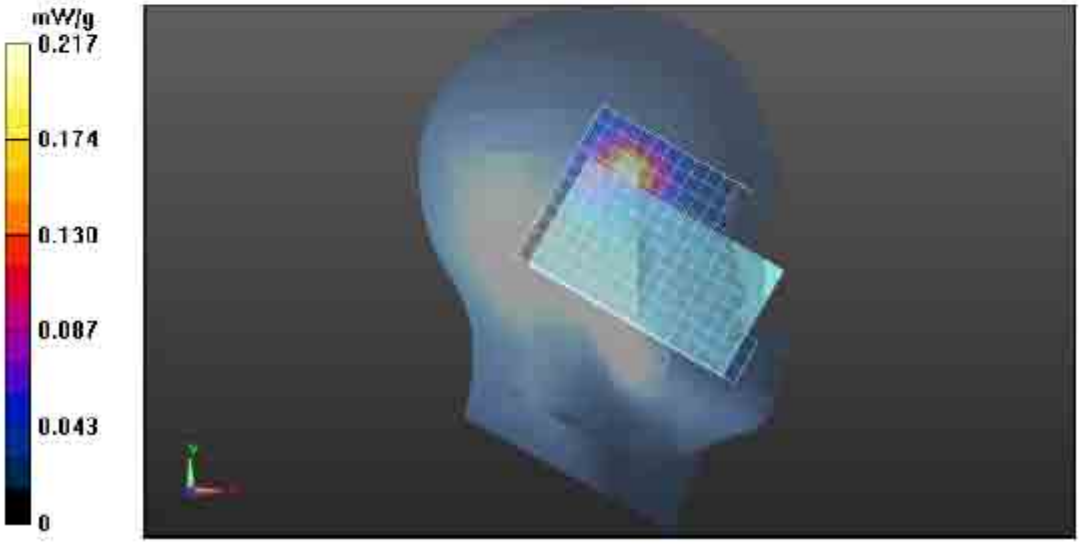
Duty Cycle: 1:1; Medium parameters used: f = 5560 MHz; σ = 5.01 mho/m; ε_r = 33.1; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN3735, , ConvF(4.08, 4.08, 4.08); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/Full Scan Left Ear-Tilt Position/1-Area Scan (111x161x1): Measurement grid:
dx=9mm, dy=9mm
Reference Value = 4.130 V/m; Power Drift = -0.21 dB
Maximum value of SAR (interpolated) = 0.263 mW/g

4-6 GHz-Rev.2/Full Scan Left Ear-Tilt Position/2-Zoom Scan (9x9x12)/Cube 0: Measurement grid:
dx=4mm, dy=4mm, dz=2mm
Reference Value = 4.130 V/m; Power Drift = -0.71 dB
Peak SAR (extrapolated) = 0.444 mW/g
SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.061 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.214 mW/g

4-6 GHz-Rev.2/Full Scan Left Ear-Tilt Position/3-Z-Axis Scan (1x1x17): Measurement grid:
dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.180 mW/g



Face 802.11a (5.5 – 5.7 GHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/14/2012 5:34:16 PM

Robot#: DASY5-FL-2 | Run#:	CM-Face-120514-13
Model#:	LEX700
Phantom#:	SAMTP1209
Tissue Temp:	20.8 (C)
Serial#:	12053522500135
Antenna:	Internal WLAN Main (25.90AD1.001)
Test Freq:	5660 (MHz)
Battery:	Low Capacity (82-154162-01) w/ Cover (60.15U26.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.03388 (W)

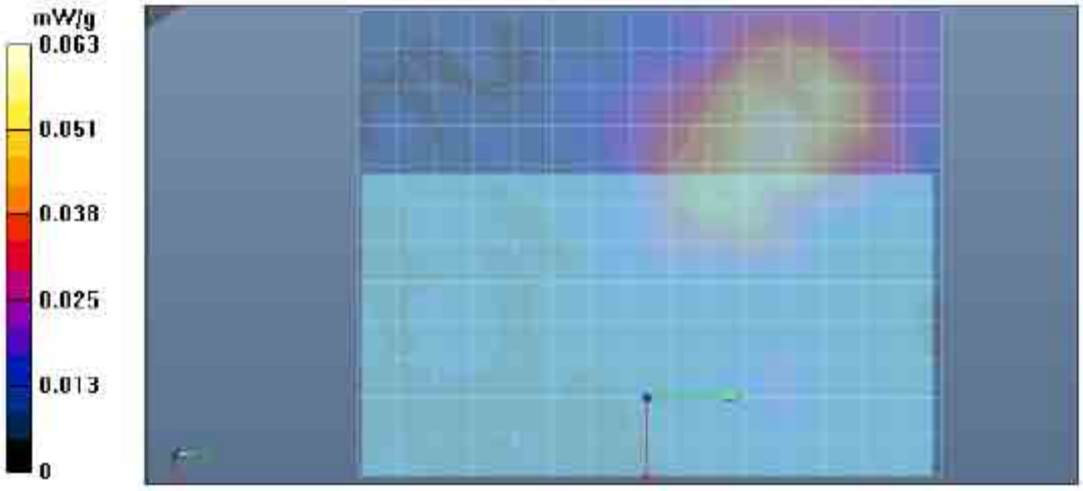
Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: f = 5660 MHz; σ = 4.97 mho/m; ε_r = 33.3; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.08, 4.08, 4.08); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/Face scan/1-Area Scan (121x151x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 4.043 V/m; Power Drift = -0.66 dB
Maximum value of SAR (interpolated) = 0.0869 mW/g

4-6 GHz-Rev.2/Face scan/2-Zoom Scan (11x15x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 4.043 V/m; Power Drift = -0.66 dB
Peak SAR (extrapolated) = 0.393 mW/g
SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.014 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.0643 mW/g

4-6 GHz-Rev.2/Face scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.0545 mW/g



Body 802.11n (5.745 – 5.825 GHz)
Motorola Solutions, Inc. EME Laboratory
Date/Time: 6/7/2012 8:46:59 PM

Robot#: DASY5-FL-2 | Run#:	CM-Ab-120607-09
Model#:	LEX700
Phantom#:	DUAL1002-Side A
Tissue Temp:	21.1 (C)
Serial#:	12053522500135
Antenna:	Internal WLAN Main (25.90AD1.001)
Test Freq:	5805 (MHz)
Battery:	Low Capacity (82-154162-01) w/ Cover (60.15U26.001)
Carry Acc:	TTN1002A
Audio Acc:	25-128458-01R
Start Power:	0.04074 (W)

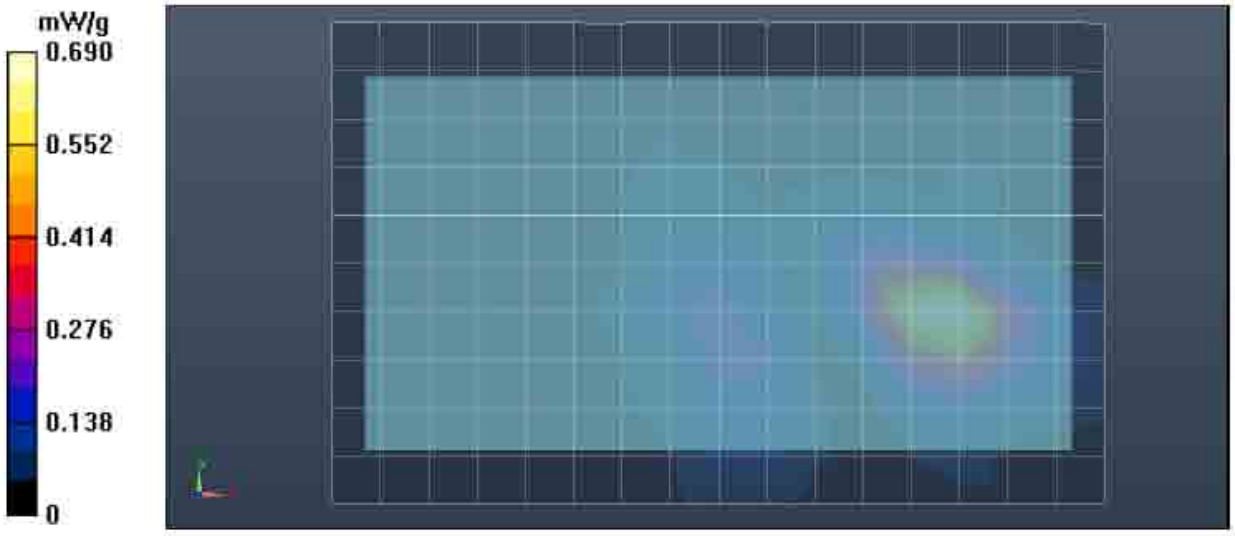
Comments: Shortened Scan; Back/Top up (battery facing phantom)

Duty Cycle: 1:1, Medium parameters used: f = 5805 MHz; σ = 6.32 mho/m; ε_r = 44.1; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(3.59, 3.59, 3.59); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/Ab Scan/1-Area Scan (101x161x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 5.771 V/m; Power Drift = -0.94 dB
Maximum value of SAR (interpolated) = 0.772 mW/g

4-6 GHz-Rev.2/Ab Scan/2-Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 12.516 V/m; Power Drift = -0.89 dB
Peak SAR (extrapolated) = 1.090 mW/g
SAR(1 g) = 0.327 mW/g; SAR(10 g) = 0.105 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.627 mW/g

4-6 GHz-Rev.2/Ab Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.596 mW/g



Right Ear Tilt 802.11n (5.745 – 5.825 GHz)

Motorola Solutions, Inc. EME Laboratory
Date/Time: 5/16/2012 8:01:25 PM

Robot#: DASY5-FL-2 | Run#:	CM-Rear-120516-07
Model#:	LEX700
Phantom#:	SAMTP1209
Tissue Temp	20.5 (C)
Serial#:	12053522500135
Antenna:	Internal WLAN Main (25.90AD1.001)
Test Freq:	5805 (MHz)
Battery:	High Capacity (82-154162-02) w/ Cover (60.15U27.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.04074 (W)

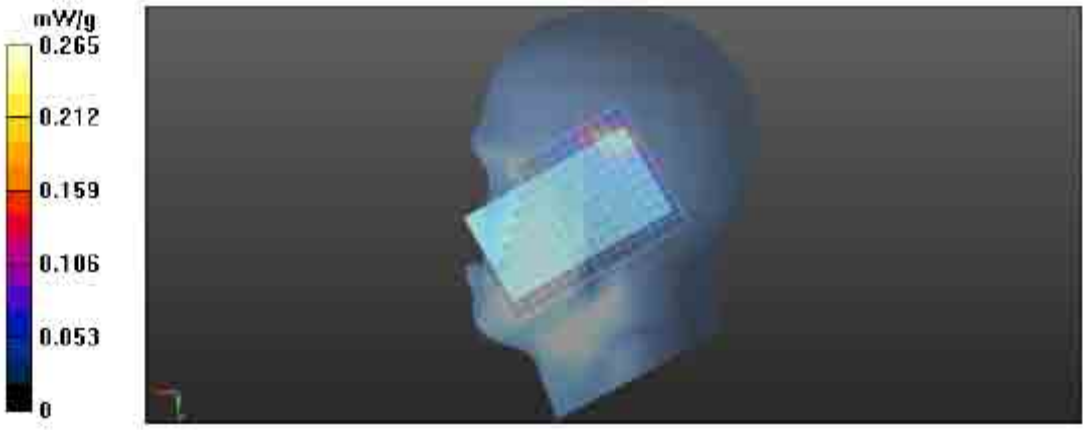
Comments: Shortened Scan; Tilt

Duty Cycle: 1:1, Medium parameters used: f = 5805 MHz; σ = 5.37 mho/m; ε_r = 32.4; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.16, 4.16, 4.16); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/Shortened Scan Right Ear-Tilt Position/1-Area Scan (111x161x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 3.933 V/m; Power Drift = -1.39 dB
Maximum value of SAR (interpolated) = 0.299 mW/g

4-6 GHz-Rev.2/Shortened Scan Right Ear-Tilt Position/2-Zoom Scan (9x9x12)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 9.117 V/m; Power Drift = -0.94 dB
Peak SAR (extrapolated) = 0.648 mW/g
SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.082 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.324 mW/g

4-6 GHz-Rev.2/Shortened Scan Right Ear-Tilt Position/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.304 mW/g



Right Ear Touch 802.11n (5.745 – 5.825 GHz)

Motorola Solutions, Inc. EME Laboratory
Date/Time: 5/17/2012 9:04:38 AM

Robot#: DASY5-FL-2 | Run#:	JsT-Rear-120517-05
Model#:	LEX700
Phantom#:	SAMTP1209
Tissue Temp:	21.0 (C)
Serial#:	12053522500135
Antenna:	Internal WLAN Main (25.90AD1.001)
Test Freq:	5825 (MHz)
Battery:	High Capacity (82-154162-02) w/ Cover (60.15U27.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.03981 (W)

Comments: Shortened Scan; Touch

Duty Cycle: 1:1; Medium parameters used: f = 5825 MHz; σ = 5.36 mho/m; ε_r = 33.4; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.16, 4.16, 4.16); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/Shortened Scan Right Ear-Touch Position/1-Area Scan (111x161x1):

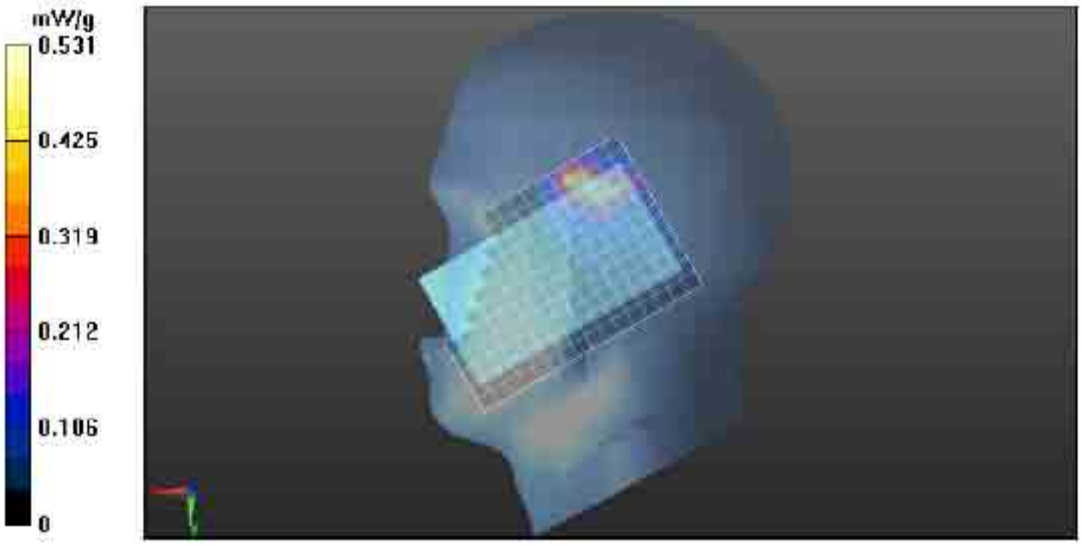
Measurement grid: dx=9mm, dy=9mm
Reference Value = 3.291 V/m; Power Drift = -1.35 dB
Maximum value of SAR (interpolated) = 0.535 mW/g

4-6 GHz-Rev.2/Shortened Scan Right Ear-Touch Position/2-Zoom Scan (8x8x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 11.599 V/m; Power Drift = -0.67 dB
Peak SAR (extrapolated) = 1.002 mW/g
SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.111 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.533 mW/g

4-6 GHz-Rev.2/Shortened Scan Right Ear-Touch Position/3-Z-Axis Scan (1x1x17):

Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.514 mW/g



Left Ear Tilt 802.11n (5.745 – 5.825 GHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/17/2012 9:01:21 PM

Robot#: DASY5-FL-2 | Run#:	CM-Lear-120517-20
Model#:	LEX700
Phantom#:	SAMTP1209
Tissue Temp:	21.0 (C)
Serial#:	12053522500135
Antenna:	Internal WLAN Main (25.90AD1.001)
Test Freq:	5825 (MHz)
Battery:	High Capacity (82-154162-02) w/ Cover (60.15U27.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.03981 (W)

Comments: Shortened Scan; Tilt

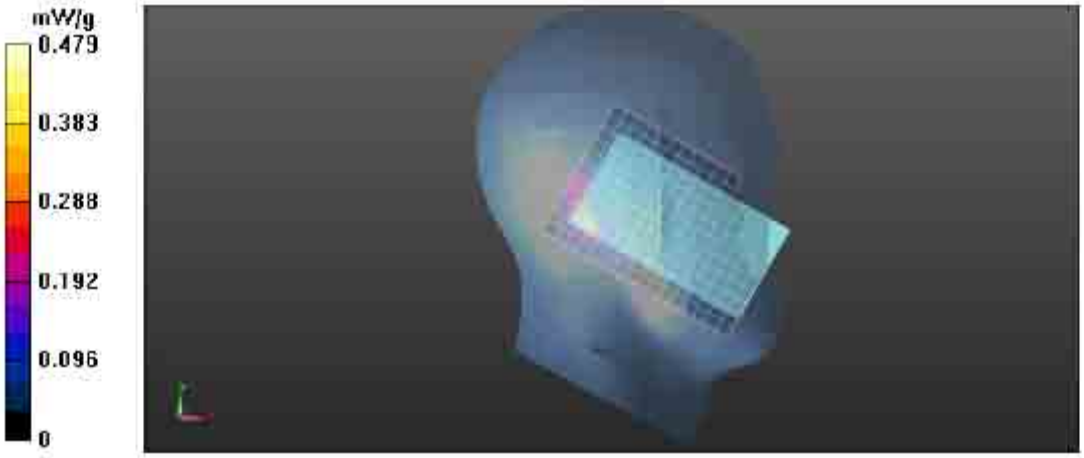
Duty Cycle: 1:1; Medium parameters used: f = 5825 MHz; σ = 5.36 mho/m; ε_r = 33.4; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN3735, , ConvF(4.16, 4.16, 4.16); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/Shortened Scan Left Ear-Tilt Position/1-Area Scan (111x161x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 5.842 V/m; Power Drift = -1.02 dB
Maximum value of SAR (interpolated) = 0.558 mW/g

4-6 GHz-Rev.2/Shortened Scan Left Ear-Tilt Position/2-Zoom Scan 2 (8x9x12)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 12.274 V/m; Power Drift = -0.52 dB
Peak SAR (extrapolated) = 1.080 mW/g
SAR(1 g) = 0.318 mW/g; SAR(10 g) = 0.113 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.595 mW/g

4-6 GHz-Rev.2/Shortened Scan Left Ear-Tilt Position/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.470 mW/g



Left Ear Touch 802.11n (5.745 – 5.825 GHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/18/2012 10:26:01 AM

Robot#: DASY5-FL-2 | Run#:	JsT-Lear-120521-02
Phantom#:	SAMTP1209
Tissue Temp:	21.3 (C)
Serial#:	12053522500135
Antenna:	Internal WLAN Diversity (25.90AD2.001)
Test Freq:	5825 (MHz)
Battery:	High Capacity (82-154162-02) w/ Cover (60.15U27.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.0257 (W)

Comments: Shortened Scan; Touch

Duty Cycle: 1:1, Medium parameters used: f = 5825 MHz; σ = 5.36 mho/m; ε_r = 32.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.16, 4.16, 4.16); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/Shortened Scan Left Ear-Touch Position/1-Area Scan (111x161x1): Measurement

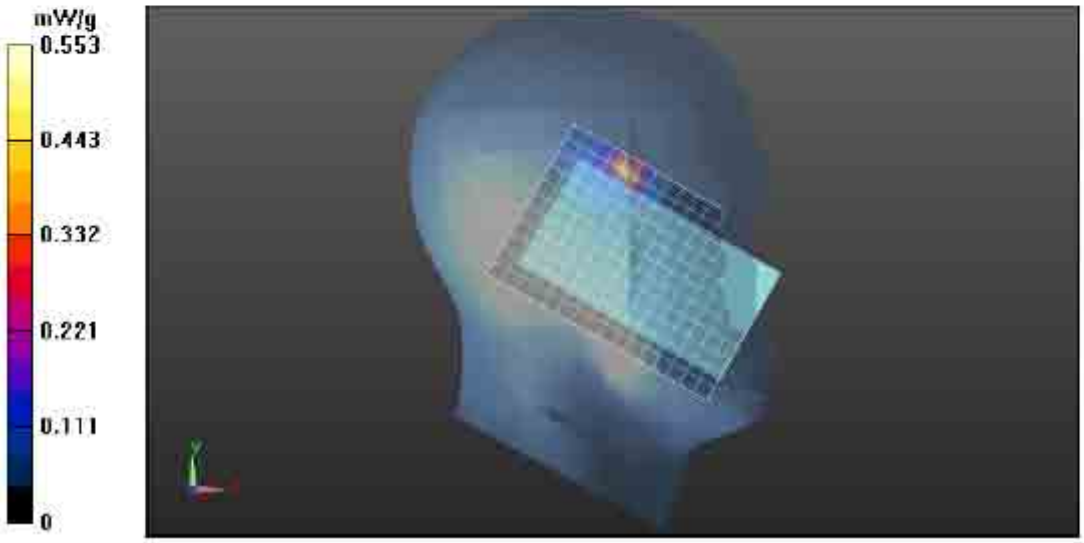
grid: dx=9mm, dy=9mm
Reference Value = 1.776 V/m; Power Drift = 0.06 dB
Maximum value of SAR (interpolated) = 0.588 mW/g

4-6 GHz-Rev.2/Shortened Scan Left Ear-Touch Position/2-Zoom Scan 2 (8x8x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 14.088 V/m; Power Drift = -0.60 dB
Peak SAR (extrapolated) = 1.601 mW/g
SAR(1 g) = 0.367 mW/g; SAR(10 g) = 0.117 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.748 mW/g

4-6 GHz-Rev.2/Shortened Scan Left Ear-Touch Position/3-Z-Axis Scan (1x1x17): Measurement

grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.577 mW/g



Face 802.11n (5.745 – 5.825 GHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/30/2012 9:01:21 AM

Robot#: DASY5-FL-2 | Run#:	JsT-Face-120530-04
Model#:	LEX700
Phantom#:	SAMTP1209
Tissue Temp:	21.3 (C)
Serial#:	12053522500135
Antenna:	Internal WLAN Main (25.90AD1.001)
Test Freq:	5825 (MHz)
Battery:	High Capacity (82-154162-02) w/ Cover (60.15U27.001)
Carry Acc:	None
Audio Acc:	None
Start Power:	0.03981 (W)

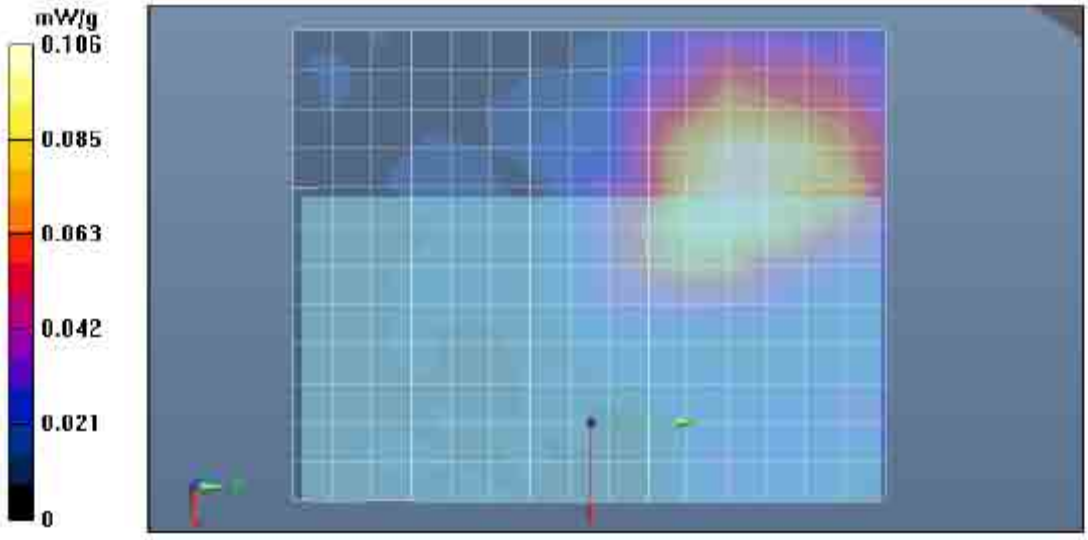
Comments: Shortened Scan

Duty Cycle: 1:1, Medium parameters used: f = 5825 MHz; σ = 5.37 mho/m; ε_r = 32.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN3735, , ConvF(4.16, 4.16, 4.16); Calibrated: 9/26/2011
Electronics: DAE4 Sn850, Calibrated: 7/22/2011

4-6 GHz-Rev.2/Shortened Face Scan/1-Area Scan (121x151x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 2.242 V/m; Power Drift = -0.34 dB
Maximum value of SAR (interpolated) = 0.107 mW/g

4-6 GHz-Rev.2/Shortened Face Scan/2-Zoom Scan 2 (10x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 4.819 V/m; Power Drift = -0.85 dB
Peak SAR (extrapolated) = 0.252 mW/g
SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.024 mW/g (SAR corrected for target medium)

4-6 GHz-Rev.2/Shortened Face Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.0794 mW/g



H.8 Power Slump Data

Main WLAN 5GHz 6Mbps
Channel 56 (5280MHz)
Low capacity Battery (82-154162-01)

Time [min]	Power [mW]
1	44.67
2	44.67
3	43.65
4	43.65
5	43.65
6	43.65
7	43.65
8	43.65
9	43.65
10	43.65
11	43.65
12	42.66
13	42.66
14	43.65
15	43.65
16	42.66
17	42.66
18	42.66
19	42.66
20	42.66
21	43.65
22	43.65
23	43.65
24	43.65
25	43.65
26	43.65
27	43.65
28	43.65
29	43.65
30	43.65
31	43.65
32	43.65
33	43.65
34	42.66
35	42.66
36	43.65
37	43.65
38	42.66
39	42.66
40	42.66
41	42.66
42	42.66
43	42.66
44	43.65
45	43.65
46	43.65
47	43.65
48	42.66
49	42.66