

**MOTOROLA SOLUTIONS****DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 3 of 6**

Motorola Solutions Inc.
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Report Revision: B

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Date/s Tested: LTE - 08/14/2015-08/26/2015, 09/16/2015 - 09/21/2015; GSM – 07/09/2015-07/15/2015 & 07/20/2015-07/22/2015; WCDMA – 07/16/2015, 07/17/2015, 07/20/2015-07/22/2015 & 08/26/2015-08/28/2015; WLAN – 07/29/2015-08/06/2015 & 09/17/2015-09/21/2015, 10/20/2015 & 11/07/2015-11/09/2015

Manufacturer: Motorola Solutions Inc.
DUT Description: Mission Critical Handheld Portable
Test TX mode(s): GSM/GPRS, WCDMA, WLAN, LTE & BT
Max. Power output: Refer to Part 1 Table 3
Nominal Power: Refer to Part 1, Table 3
Tx Frequency Bands: GSM: B2, B3, B5 & B8; WCDMA: B1, B2, B4, B5 & B8; WLAN: 2.4GHz / 5GHz; LTE: B3, B4, B5, B7, B8, B20, B26 & B28 & BT

Signaling type: TDMA, CDMA, LTE, DSSS, OFDM & FHSS
Model(s) Tested: LEX L10i
Model(s) Certified: LEX L10i
Serial Number(s): 171PRQ0394, 171PRJ0703 & 171PRL0854
Classification: General Population/Uncontrolled
FCC ID: AZ489FT7078; GSM (B2 & B5), WCDMA (B2, B4 & B5), LTE (B4, B5, B7, B26) WLAN & BT - This report contains results that are immaterial for FCC equipment approval, which are clearly identified.

The test results clearly demonstrate compliance with FCC General Population/Uncontrolled RF Exposure limits of 1.6 W/kg averaged over 1 gram per the requirements of 47 CFR 2.1093(d). The 10 grams result is not applicable to FCC filing. The test results clearly demonstrate compliance with ICNIRP (1998) Guidelines for limiting exposure in time-varying electric, magnetic, and electromagnetic fields (up to 300 GHz), Health Physics 74, 494-522 RF Exposure limits of 2.0 W/kg averaged over 10grams of contiguous tissue.

Based on the information and the testing results provided herein, the undersigned certifies that when used as stated in the operating instructions supplied, said product complies with the national and international reference standards and guidelines listed in section 4.0 of this report. This report shall not be reproduced without written approval from an officially designated representative of the Motorola Solutions Inc EME Laboratory. I attest to the accuracy of the data and assume full responsibility for the completeness of these measurements. This reporting format is consistent with the suggested guidelines of the TIA TSB-150 December 2004. The results and statements contained in this report pertain only to the device(s) evaluated.

Deanna Zakharia
EMS EME Lab Senior Resource Manager,
Laboratory Director
Approval Date: 4/18/2016

Certification Date: 11/30/2015

Certification No.: L1151175P

Appendix D
DUT Test Position Photos and Accessories
Refer to Exhibit 7B

Appendix E

LTE Bands 3, 4, 5, 7, 8, 20, 26 and 28 Testing

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

E.1 SAR Measurement System Validation and Verification

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

E.1.1 System Validation

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

Table E.1

Dates	Probe Calibration Point		Probe SN	Measured Tissue Parameters		Validation		
				σ	ϵ_r	Sensitivity	Linearity	Isotropy
CW								
11/13/14	Body	750	3301	0.93	56.3	Pass	Pass	Pass
11/13/14	Head	750		0.86	42.2	Pass	Pass	Pass
11/13/14	Body	900		1.07	55.0	Pass	Pass	Pass
11/13/14	Head	900		1.00	40.5	Pass	Pass	Pass
05/27/15	Body	1810		1.47	54.5	Pass	Pass	Pass
05/27/15	Head	1810		1.34	42.0	Pass	Pass	Pass
09/03/15	Body	2600	3291	2.23	54.0	Pass	Pass	Pass
09/03/15	Head	2600		1.94	39.8	Pass	Pass	Pass
LTE								
11/24/14	Body	750	3301	0.93	56.0	Pass	Pass	Pass
11/20/14	Head	750		0.86	43.8	Pass	Pass	Pass
05/27/15	Body	900		1.04	55.6	Pass	Pass	Pass
05/27/15	Head	900		0.95	40.2	Pass	Pass	Pass
11/26/14	Body	1810		1.53	53.3	Pass	Pass	Pass
11/26/14	Head	1810		1.38	38.5	Pass	Pass	Pass
09/03/15	Body	2600	3291	2.23	54.0	Pass	Pass	Pass
09/03/15	Head	2600		1.94	39.8	Pass	Pass	Pass

E.1.2 System Verification

System verification checks were conducted each day during the SAR assessment. The results are normalized to 1W. Appendix E.13 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 E.2

Probe Serial #	Tissue Type	Dipole Kit / Serial #	Ref SAR @ 1W (W/kg)	System Check Results Measured (W/kg)	System Check Test Results when normalized to 1W (W/kg)	Tested Date
3301	FCC Body	SPEAG D750V3 / 1098	8.67 +/- 10%	2.22	8.88	8/18/2015
	IEEE/IEC Head			2.23	8.92	8/20/2015
			8.16 +/- 10%	2.12	8.48	8/19/2015
	FCC Body	SPEAG D900V2 / 85	10.4 +/- 10%	2.71	10.84	8/14/2015
				2.71	10.84	8/16/2015
				2.70	10.80	8/18/2015
				2.70	10.80	8/19/2015
				2.71	10.84	8/20/2015
				2.58	10.32	8/26/2015
	IEEE/IEC Head		10.4 +/- 10%	2.57	10.28	8/20/2015
				2.61	10.44	8/21/2015
	FCC Body	SPEAG D1800V2 / 278	38.5 +/- 10%	4.04	40.40	8/24/2015
	IEEE/IEC Head			4.05	40.50	8/25/2015
			38.6 +/- 10%	3.66	36.60	8/25/2015
	FCC Body	SPEAG D2600V2 / 1002	57.0 +/- 10%	6.12	61.20	9/18/2015
	IEEE/IEC Head			6.27	62.70	9/21/2015
			54.9 +/- 10%	5.90	59.00	9/16/2015

E.1.3 Equivalent Tissue Test Results

Simulated tissue prepared for SAR measurements is measured daily and within 24 hours prior to actual SAR testing to verify that the tissue is within +/- 5% of target parameters at the center of the transmit band. 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 E.3

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
726	FCC Body	0.96 (0.91-1.01)	55.6 (52.8-58.4)	0.93	55.7	8/18/2015
				1.01	55.4	8/20/2015
726	IEEE/IEC Head	0.89 (0.84-0.93)	42.0 (39.9-44.1)	0.88	44.1	8/19/2015
750	FCC Body	0.96 (0.92-1.01)	55.5 (52.8-58.3)	0.95	55.5	8/18/2015
				0.92	55.1	8/20/2015
750	IEEE/IEC Head	0.89 (0.85-0.93)	41.9 (39.8-44.0)	0.90	43.8	8/19/2015
832	FCC Body	0.97 (0.92-1.02)	55.2 (52.5-58.0)	1.01	54.3	8/19/2015
				1.00	54.4	8/20/2015
832	IEEE/IEC Head	0.90 (0.85-0.94)	41.5 (39.4-43.6)	0.92	41.9	8/21/2015

Table E.3 (Continued)

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
837	FCC Body	0.97 (0.92-1.02)	55.2 (52.4-58.0)	1.00	54.5	8/14/2015
				1.02	54.1	8/16/2015
				1.01	54.3	8/20/2015
				0.98	54.5	8/26/2015
837	IEEE/ IEC Head	0.90 (0.86-0.95)	41.5 (39.4-43.6)	0.90	40.8	8/20/2015
				0.93	41.9	8/21/2015
847	FCC Body	0.98 (0.94-1.03)	55.2 (52.4-57.9)	1.03	54.0	8/16/2015
				1.03	54.4	8/18/2015
				1.02	54.3	8/20/2015
847	IEEE/ IEC Head	0.91 (0.87-0.96)	41.5 (39.4-43.6)	0.93	41.8	8/21/2015
900	FCC Body	1.05 (1.00-1.10)	55.0 (52.3-57.8)	1.06	54.0	8/14/2015
				1.08	53.6	8/16/2015
				1.09	54.3	8/18/2015
				1.08	53.7	8/19/2015
				1.07	53.8	8/20/2015
				1.03	54.0	8/26/2015
900	IEEE/ IEC Head	0.97 (0.92-1.02)	41.5 (39.4-43.6)	0.97	40.4	8/20/2015
				0.98	41.2	8/21/2015
910	FCC Body	1.06 (1.00-1.11)	55.0 (52.3-57.8)	1.09	53.5	8/16/2015
				1.08	53.8	8/20/2015
910	IEEE/ IEC Head	0.98 (0.93-1.03)	41.5 (39.4-43.6)	0.99	41.0	8/21/2015
1720	FCC Body	1.47 (1.40-1.54)	53.5 (50.8-56.2)	1.49	52.4	8/24/2015
1720	IEEE/ IEC Head	1.35 (1.29-1.42)	40.1 (38.1-42.1)	1.29	41.1	8/25/2015
1733	FCC Body	1.48 (1.40-1.55)	53.5 (50.8-56.2)	1.50	52.4	8/24/2015
1733	IEEE/ IEC Head	1.36 (1.29-1.43)	40.1 (38.1-42.1)	1.30	41.0	8/25/2015
1775	FCC Body	1.50 (1.43-1.58)	53.4 (50.7-56.0)	1.54	52.3	8/24/2015
				1.56	52.4	8/25/2015
1775	IEEE/ IEC Head	1.39 (1.32-1.45)	40.1 (38.0-42.1)	1.34	40.9	8/25/2015
1800	FCC Body	1.52 (1.44-1.60)	53.3 (50.6-56.0)	1.57	52.2	8/24/2015
				1.59	52.3	8/25/2015
1800	IEEE/ IEC Head	1.40 (1.33-1.47)	40.0 (38.0-42.0)	1.37	40.7	8/25/2015

Table E.3 (Continued)

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
2510	FCC Body	2.04 (1.93-2.14)	52.6 (47.4-57.9)	2.07	51.1	9/18/2015
				2.01	51.1	9/21/2015
2510	IEEE/ IEC Head	1.86 (1.77-1.96)	39.1 (35.2-43.0)	1.83	40.0	9/16/2015
2535	FCC Body	2.07 (1.97-2.17)	52.6 (47.3-57.9)	2.10	51.1	9/18/2015
				2.04	51.1	9/21/2015
2535	IEEE/ IEC Head	1.89 (1.80-1.99)	39.1 (35.2-43.0)	1.86	39.9	9/16/2015
2560	FCC Body	2.11 (2.00-2.21)	52.6 (47.3-57.8)	2.07	51.0	9/21/2015
2560	IEEE/ IEC Head	1.92 (1.82-2.01)	39.1 (35.1-43.0)	1.89	39.8	9/16/2015
2600	FCC Body	2.16 (2.05-2.27)	52.5 (47.3-57.8)	2.19	50.9	9/18/2015
				2.11	50.9	9/21/2015
2600	IEEE/ IEC Head	1.96 (1.86-2.06)	39.0 (35.1-42.9)	1.93	39.7	9/16/2015

E.2 DUT Test Methodology

E.2.1 Measurements

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

E.2.2 DUT Configuration(s)

The DUT is a portable device as described in section 6.0. This appendix is specific to LTE B3, B4, B5, B7, B8, B20, B26 & B28 testing at the body, hotspot, and head using the offered accessories. The device is placed in the test positions as described below. Appendix D illustrates the DUT and offered accessories.

E.2.3 DUT Positioning Procedures

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

Body

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

Hot Spot

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

Head

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

E.3 Assessments at LTE B3 (1710 – 1785MHz)**E.3.1 Output Power Data**

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

Table E.4

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 3	20 MHz 100 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	1300	19300	1720.0	23.20
			1	middle	Low	1300	19300	1720.0	23.12
			1	upper	Low	1300	19300	1720.0	23.13
			1	lower	Mid	1575	19575	1747.5	22.95
			1	middle	Mid	1575	19575	1747.5	22.65
			1	upper	Mid	1575	19575	1747.5	22.68
			1	lower	High	1850	19850	1775.0	22.90
			1	middle	High	1850	19850	1775.0	23.03
			1	upper	High	1850	19850	1775.0	23.25
		50 Block QPSK I_MCS 5	50%	lower	Low	1300	19300	1720.0	23.18
			50%	middle	Low	1300	19300	1720.0	23.17
			50%	upper	Low	1300	19300	1720.0	23.17
			50%	lower	Mid	1575	19575	1747.5	22.83
			50%	middle	Mid	1575	19575	1747.5	22.74
			50%	upper	Mid	1575	19575	1747.5	22.82
			50%	lower	High	1850	19850	1775.0	22.97
			50%	middle	High	1850	19850	1775.0	23.01
			50%	upper	High	1850	19850	1775.0	23.15
		100 Blocks QPSK I_MCS 5	100%	lower	Low	1300	19300	1720.0	23.13
			100%	lower	Mid	1575	19575	1747.5	22.73
			100%	lower	High	1850	19850	1775.0	23.05
		1 Block 16 QAM I_MCS 12	1	lower	Low	1300	19300	1720.0	22.93
			1	middle	Low	1300	19300	1720.0	22.96
			1	upper	Low	1300	19300	1720.0	22.86
			1	lower	Mid	1575	19575	1747.5	22.88
			1	middle	Mid	1575	19575	1747.5	22.76
			1	upper	Mid	1575	19575	1747.5	22.97
			1	lower	High	1850	19850	1775.0	23.01
			1	middle	High	1850	19850	1775.0	23.27
			1	upper	High	1850	19850	1775.0	22.94
		50 Block 16 QAM I_MCS 12	50%	lower	Low	1300	19300	1720.0	22.17
			50%	middle	Low	1300	19300	1720.0	22.12
			50%	upper	Low	1300	19300	1720.0	22.11
			50%	lower	Mid	1575	19575	1747.5	21.78
			50%	middle	Mid	1575	19575	1747.5	21.70
			50%	upper	Mid	1575	19575	1747.5	21.79
			50%	lower	High	1850	19850	1775.0	22.06
			50%	middle	High	1850	19850	1775.0	22.12
			50%	upper	High	1850	19850	1775.0	22.19
		100 Blocks 16 QAM I_MCS 12	100%	lower	Low	1300	19300	1720.0	22.12
			100%	lower	Mid	1575	19575	1747.5	21.87
			100%	lower	High	1850	19850	1775.0	22.14

Table E.5

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 3	15 MHz 75 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	1275	19275	1717.5	23.21
			1	middle	Low	1275	19275	1717.5	23.12
			1	upper	Low	1275	19275	1717.5	23.16
			1	lower	Mid	1575	19575	1747.5	22.75
			1	middle	Mid	1575	19575	1747.5	22.57
			1	upper	Mid	1575	19575	1747.5	22.65
			1	lower	High	1875	19875	1777.5	22.86
			1	middle	High	1875	19875	1775.5	23.04
			1	upper	High	1875	19875	1775.5	23.18
		36 Block QPSK I_MCS 5	50%	lower	Low	1275	19275	1717.5	23.21
			50%	middle	Low	1275	19275	1717.5	23.23
			50%	upper	Low	1275	19275	1717.5	23.20
			50%	lower	Mid	1575	19575	1747.5	22.91
			50%	middle	Mid	1575	19575	1747.5	22.68
			50%	upper	Mid	1575	19575	1747.5	22.83
			50%	lower	High	1875	19875	1777.5	23.00
			50%	middle	High	1875	19875	1775.5	23.07
			50%	upper	High	1875	19875	1775.5	23.01
		75 Blocks QPSK I_MCS 5	100%	lower	Low	1275	19275	1717.5	23.21
			100%	lower	Mid	1575	19575	1747.5	22.82
			100%	lower	High	1875	19875	1777.5	23.10
		1 Block 16 QAM I_MCS 12	1	lower	Low	1275	19275	1717.5	23.18
			1	middle	Low	1275	19275	1717.5	23.04
			1	upper	Low	1275	19275	1717.5	23.15
			1	lower	Mid	1575	19575	1747.5	22.75
			1	middle	Mid	1575	19575	1747.5	22.68
			1	upper	Mid	1575	19575	1747.5	22.72
			1	lower	High	1875	19875	1777.5	22.76
			1	middle	High	1875	19875	1775.5	22.94
			1	upper	High	1875	19875	1775.5	22.88
		36 Block 16 QAM I_MCS 12	50%	lower	Low	1275	19275	1717.5	22.09
			50%	middle	Low	1275	19275	1717.5	22.09
			50%	upper	Low	1275	19275	1717.5	22.15
			50%	lower	Mid	1575	19575	1747.5	21.82
			50%	middle	Mid	1575	19575	1747.5	21.72
			50%	upper	Mid	1575	19575	1747.5	21.84
			50%	lower	High	1875	19875	1777.5	22.12
			50%	middle	High	1875	19875	1775.5	22.18
			50%	upper	High	1875	19875	1775.5	22.14
		75 Blocks 16 QAM I_MCS 12	100%	lower	Low	1275	19275	1717.5	22.12
			100%	lower	Mid	1575	19575	1747.5	21.83
			100%	lower	High	1875	19875	1777.5	22.16

Table E.6

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 3	10 MHz 50 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	1250	19250	1715.0	23.08
			1	middle	Low	1250	19250	1715.0	23.02
			1	upper	Low	1250	19250	1715.0	23.04
			1	lower	Mid	1575	19575	1747.5	22.78
			1	middle	Mid	1575	19575	1747.5	22.61
			1	upper	Mid	1575	19575	1747.5	22.68
			1	lower	High	1900	19900	1780.0	22.87
			1	middle	High	1900	19900	1780.0	23.04
			1	upper	High	1900	19900	1780.0	23.15
		25 Block QPSK I_MCS 5	50%	lower	Low	1250	19250	1715.0	23.24
			50%	middle	Low	1250	19250	1715.0	23.11
			50%	upper	Low	1250	19250	1715.0	23.12
			50%	lower	Mid	1575	19575	1747.5	22.73
			50%	middle	Mid	1575	19575	1747.5	22.68
			50%	upper	Mid	1575	19575	1747.5	22.75
			50%	lower	High	1900	19900	1780.0	23.01
			50%	middle	High	1900	19900	1780.0	23.07
			50%	upper	High	1900	19900	1780.0	22.94
		50 Blocks QPSK I_MCS 5	100%	lower	Low	1250	19250	1715.0	23.24
			100%	lower	Mid	1575	19575	1747.5	22.69
			100%	lower	High	1900	19900	1780.0	23.17
		1 Block 16 QAM I_MCS 12	1	lower	Low	1250	19250	1715.0	23.27
			1	middle	Low	1250	19250	1715.0	23.05
			1	upper	Low	1250	19250	1715.0	23.29
			1	lower	Mid	1575	19575	1747.5	22.77
			1	middle	Mid	1575	19575	1747.5	22.67
			1	upper	Mid	1575	19575	1747.5	22.70
			1	lower	High	1900	19900	1780.0	22.81
			1	middle	High	1900	19900	1780.0	22.96
			1	upper	High	1900	19900	1780.0	22.97
		25 Block 16 QAM I_MCS 12	50%	lower	Low	1250	19250	1715.0	22.27
			50%	middle	Low	1250	19250	1715.0	22.18
			50%	upper	Low	1250	19250	1715.0	22.18
			50%	lower	Mid	1575	19575	1747.5	21.78
			50%	middle	Mid	1575	19575	1747.5	21.73
			50%	upper	Mid	1575	19575	1747.5	21.80
			50%	lower	High	1900	19900	1780.0	22.12
			50%	middle	High	1900	19900	1780.0	22.19
			50%	upper	High	1900	19900	1780.0	22.06
		50 Blocks 16 QAM I_MCS 12	100%	lower	Low	1250	19250	1715.0	22.08
			100%	lower	Mid	1575	19575	1747.5	21.74
			100%	lower	High	1900	19900	1780.0	22.21

Table E.7

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 3	5 MHz 25 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	1225	19225	1712.5	23.12
			1	middle	Low	1225	19225	1712.5	23.11
			1	upper	Low	1225	19225	1712.5	23.09
			1	lower	Mid	1575	19575	1747.5	22.76
			1	middle	Mid	1575	19575	1747.5	22.67
			1	upper	Mid	1575	19575	1747.5	22.73
			1	lower	High	1925	19925	1782.5	23.11
			1	middle	High	1925	19925	1782.5	23.14
			1	upper	High	1925	19925	1782.5	23.17
		12 Block QPSK I_MCS 5	50%	lower	Low	1225	19225	1712.5	23.20
			50%	middle	Low	1225	19225	1712.5	23.16
			50%	upper	Low	1225	19225	1712.5	23.21
			50%	lower	Mid	1575	19575	1747.5	22.60
			50%	middle	Mid	1575	19575	1747.5	22.68
			50%	upper	Mid	1575	19575	1747.5	22.70
			50%	lower	High	1925	19925	1782.5	22.92
			50%	middle	High	1925	19925	1782.5	22.87
			50%	upper	High	1925	19925	1782.5	22.86
		25 Blocks QPSK I_MCS 5	100%	lower	Low	1225	19225	1712.5	23.22
			100%	lower	Mid	1575	19575	1747.5	22.65
			100%	lower	High	1925	19925	1782.5	22.85
		1 Block 16 QAM I_MCS 12	1	lower	Low	1225	19225	1712.5	23.28
			1	middle	Low	1225	19225	1712.5	23.28
			1	upper	Low	1225	19225	1712.5	23.22
			1	lower	Mid	1575	19575	1747.5	22.52
			1	middle	Mid	1575	19575	1747.5	22.35
			1	upper	Mid	1575	19575	1747.5	22.40
			1	lower	High	1925	19925	1782.5	23.01
			1	middle	High	1925	19925	1782.5	22.84
			1	upper	High	1925	19925	1782.5	22.76
		12 Block 16 QAM I_MCS 12	50%	lower	Low	1225	19225	1712.5	21.99
			50%	middle	Low	1225	19225	1712.5	22.03
			50%	upper	Low	1225	19225	1712.5	22.07
			50%	lower	Mid	1575	19575	1747.5	21.71
			50%	middle	Mid	1575	19575	1747.5	21.71
			50%	upper	Mid	1575	19575	1747.5	21.74
			50%	lower	High	1925	19925	1782.5	22.02
			50%	middle	High	1925	19925	1782.5	21.98
			50%	upper	High	1925	19925	1782.5	21.97
		25 Blocks 16 QAM I_MCS 12	100%	lower	Low	1225	19225	1712.5	22.17
			100%	lower	Mid	1575	19575	1747.5	21.17
			100%	lower	High	1925	19925	1782.5	21.92

Table E.8

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 3	3 MHz 15 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	1215	19215	1711.5	23.15
			1	middle	Low	1215	19215	1711.5	23.14
			1	upper	Low	1215	19215	1711.5	23.15
			1	lower	Mid	1575	19575	1747.5	22.75
			1	middle	Mid	1575	19575	1747.5	22.65
			1	upper	Mid	1575	19575	1747.5	22.69
			1	lower	High	1935	19935	1783.5	23.16
			1	middle	High	1935	19935	1783.5	23.17
			1	upper	High	1935	19935	1783.5	23.18
		8 Block QPSK I_MCS 5	50%	lower	Low	1215	19215	1711.5	23.16
			50%	middle	Low	1215	19215	1711.5	23.20
			50%	upper	Low	1215	19215	1711.5	23.16
			50%	lower	Mid	1575	19575	1747.5	22.69
			50%	middle	Mid	1575	19575	1747.5	22.70
			50%	upper	Mid	1575	19575	1747.5	22.66
			50%	lower	High	1935	19935	1783.5	22.81
			50%	middle	High	1935	19935	1783.5	22.86
			50%	upper	High	1935	19935	1783.5	22.71
		15 Blocks QPSK I_MCS 5	100%	lower	Low	1215	19215	1711.5	23.25
			100%	lower	Mid	1575	19575	1747.5	22.66
			100%	lower	High	1935	19935	1783.5	22.80
		1 Block 16 QAM I_MCS 12	1	lower	Low	1215	19215	1711.5	23.40
			1	middle	Low	1215	19215	1711.5	23.33
			1	upper	Low	1215	19215	1711.5	23.27
			1	lower	Mid	1575	19575	1747.5	22.85
			1	middle	Mid	1575	19575	1747.5	22.70
			1	upper	Mid	1575	19575	1747.5	22.75
			1	lower	High	1935	19935	1783.5	23.07
			1	middle	High	1935	19935	1783.5	22.97
			1	upper	High	1935	19935	1783.5	22.83
		8 Block 16 QAM I_MCS 12	50%	lower	Low	1215	19215	1711.5	22.21
			50%	middle	Low	1215	19215	1711.5	22.24
			50%	upper	Low	1215	19215	1711.5	22.22
			50%	lower	Mid	1575	19575	1747.5	21.74
			50%	middle	Mid	1575	19575	1747.5	21.73
			50%	upper	Mid	1575	19575	1747.5	21.81
			50%	lower	High	1935	19935	1783.5	22.08
			50%	middle	High	1935	19935	1783.5	22.06
			50%	upper	High	1935	19935	1783.5	21.98
		15 Blocks 16 QAM I_MCS 12	100%	lower	Low	1215	19215	1711.5	22.16
			100%	lower	Mid	1575	19575	1747.5	21.72
			100%	lower	High	1935	19935	1783.5	21.90

Table E.9

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 3	1.4 MHz 6 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	1207	19207	1710.7	23.27
			1	middle	Low	1207	19207	1710.7	23.20
			1	upper	Low	1207	19207	1710.7	23.18
			1	lower	Mid	1575	19575	1747.5	22.64
			1	middle	Mid	1575	19575	1747.5	22.61
			1	upper	Mid	1575	19575	1747.5	22.58
			1	lower	High	1943	19943	1784.3	23.15
			1	middle	High	1943	19943	1784.3	23.20
			1	upper	High	1943	19943	1784.3	23.20
		3 Block QPSK I_MCS 5	50%	lower	Low	1207	19207	1710.7	23.14
			50%	middle	Low	1207	19207	1710.7	23.00
			50%	upper	Low	1207	19207	1710.7	23.18
			50%	lower	Mid	1575	19575	1747.5	22.64
			50%	middle	Mid	1575	19575	1747.5	23.52
			50%	upper	Mid	1575	19575	1747.5	22.60
			50%	lower	High	1943	19943	1784.3	23.17
			50%	middle	High	1943	19943	1784.3	23.17
			50%	upper	High	1943	19943	1784.3	23.21
		6 Blocks QPSK I_MCS 5	100%	lower	Low	1207	19207	1710.7	23.24
			100%	lower	Mid	1575	19575	1747.5	22.73
			100%	lower	High	1943	19943	1784.3	22.71
		1 Block 16 QAM I_MCS 12	1	lower	Low	1207	19207	1710.7	23.15
			1	middle	Low	1207	19207	1710.7	23.23
			1	upper	Low	1207	19207	1710.7	23.19
			1	lower	Mid	1575	19575	1747.5	22.76
			1	middle	Mid	1575	19575	1747.5	22.88
			1	upper	Mid	1575	19575	1747.5	22.72
			1	lower	High	1943	19943	1784.3	22.57
			1	middle	High	1943	19943	1784.3	22.66
			1	upper	High	1943	19943	1784.3	22.57
		3 Block 16 QAM I_MCS 12	50%	lower	Low	1207	19207	1710.7	23.12
			50%	middle	Low	1207	19207	1710.7	23.15
			50%	upper	Low	1207	19207	1710.7	23.18
			50%	lower	Mid	1575	19575	1747.5	22.45
			50%	middle	Mid	1575	19575	1747.5	22.46
			50%	upper	Mid	1575	19575	1747.5	22.48
			50%	lower	High	1943	19943	1784.3	22.65
			50%	middle	High	1943	19943	1784.3	22.63
			50%	upper	High	1943	19943	1784.3	22.71
		6 Blocks 16 QAM I_MCS 12	100%	lower	Low	1207	19207	1710.7	22.17
			100%	lower	Mid	1575	19575	1747.5	21.83
			100%	lower	High	1943	19943	1784.3	21.85

E.3.2 Assessments at the Body

Table below presents the data of the body assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.10

Assessments at the Body (LTE B3) 1710 – 1785MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at body – 1 RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	Body	HKLN4618A back	None	1775	211	0.16	0.49	0.31	0.58	0.37	ErC-Ab-150824-16
Ant 1	PMNN4472B Standard	Body	HKLN4618A front	None	1775	211	-0.01	0.49	0.31	0.59	0.37	ErC-Ab-150824-18
Assessment at body – 50% RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	Body	HKLN4618A back	None	1720	208	-0.12	0.49	0.31	0.61	0.39	ErC-Ab-150824-17
Ant 1	PMNN4472B Standard	Body	HKLN4618A front	None	1720	208	0.03	0.49	0.31	0.59	0.37	ErC-Ab-150824-19
Assessment at the body – extended battery												
Ant 1	PMNN4475B Extended	Body	HKLN4618A back	None	1720	208	-0.18	0.37	0.24	0.46	0.30	ErC-Ab-150824-20

E.3.3 Assessments for hot spot mode

Table below presents the data of the hot spot assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.11

Assessments at the Body (LTE B3) 1710 – 1785MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at body – 1 RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	1775	211	-0.03	0.47	0.31	0.57	0.37	ErC-Ab-150824-21
Ant 1	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	1775	211	-0.04	0.64	0.41	0.77	0.49	ErC-Ab-150824-22
Ant 1	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	1775	211	-0.06	0.49	0.29	0.59	0.34	ErC-Ab-150824-26
Ant 1	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	1775	211	0.00	0.32	0.20	0.38	0.24	ErC-Ab-150824-27
Assessment at body – 50% RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	1720	208	0.00	0.52	0.33	0.63	0.40	ErC-Ab-150824-23
Ant 1	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	1720	208	0.00	0.54	0.34	0.66	0.42	ErC-Ab-150824-24
Ant 1	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	1720	208	-0.08	0.44	0.26	0.54	0.32	ErC-Ab-150824-25
Ant 1	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	1720	208	0.01	0.31	0.19	0.37	0.23	ErC-Ab-150824-28
Assessment at the body – extended battery												
Ant 1	PMNN4475B Extended	Body	Front of DUT @ 1cm	None	1775	211	-0.03	0.65	0.41	0.78	0.49	ErC-Ab-150825-02

E.3.4 Assessments at the Head

Table below presents the data of the head assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.12

Assessments at the Head (LTE B3) 1710 – 1785MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at right ear – 1 RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	REAR	Touch	None	1775	211	-0.03	0.52	0.33	0.63	0.39	ErC-Rear-150825-15
Ant 1	PMNN4472B Standard	REAR	Tilt	None	1775	211	-0.02	0.24	0.14	0.29	0.17	ErC-Rear-150825-16
Assessment at right ear – 50% RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	REAR	Touch	None	1720	208	-0.15	0.45	0.29	0.56	0.36	ErC-Rear-150825-17
Ant 1	PMNN4472B Standard	REAR	Tilt	None	1720	208	0.02	0.23	0.13	0.27	0.15	ErC-Rear-150825-18
Assessment at left ear – 1 RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	LEAR	Touch	None	1775	211	0.02	0.50	0.32	0.60	0.38	ErC-Lear-150825-19
Ant 1	PMNN4472B Standard	LEAR	Tilt	None	1775	211	0.32	0.23	0.14	0.27	0.16	ErC-Lear-150825-20
Assessment at left ear – 50% RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	LEAR	Touch	None	1720	208	-0.12	0.49	0.31	0.61	0.39	ErC-Lear-150825-21
Ant 1	PMNN4472B Standard	LEAR	Tilt	None	1720	208	0.23	0.19	0.11	0.23	0.14	ErC-Lear-150825-22
Assessment at the head – extended battery												
Ant 1	PMNN4475B Extended	REAR	Touch	None	1775	211	0.07	0.54	0.34	0.64	0.40	ErC-Rear-150825-23

E.4 Assessments at LTE B4 (1710 – 1755MHz)

E.4.1 Output Power Data

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

Table E.13

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 4	20 MHz 100 Blocks	1 Block QPSK I_MCS 5 50 Blocks 100 Blocks	1	lower	Mid	2175	20175	1732.5	22.61
			1	middle	Mid	2175	20175	1732.5	22.80
			1	upper	Mid	2175	20175	1732.5	22.62
			50%	lower	Mid	2175	20175	1732.5	22.81
			50%	middle	Mid	2175	20175	1732.5	22.79
			50%	upper	Mid	2175	20175	1732.5	22.53
			100%	lower	Mid	2175	20175	1732.5	22.79
		1 Block 16 QAM I_MCS 12 50 Blocks 100 Blocks	1	lower	Mid	2175	20175	1732.5	22.90
			1	middle	Mid	2175	20175	1732.5	22.96
			1	upper	Mid	2175	20175	1732.5	22.65
			50%	lower	Mid	2175	20175	1732.5	21.84
			50%	middle	Mid	2175	20175	1732.5	21.87
			50%	upper	Mid	2175	20175	1732.5	21.51
			100%	lower	Mid	2175	20175	1732.5	21.97

Table E.14

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 4	15 MHz 75 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	2025	20025	1717.5	22.92
			1	middle	Low	2025	20025	1717.5	22.88
			1	upper	Low	2025	20025	1717.5	22.66
			1	lower	Mid	2175	20175	1732.5	23.00
			1	middle	Mid	2175	20175	1732.5	22.63
			1	upper	Mid	2175	20175	1732.5	22.49
			1	lower	High	2325	20325	1747.5	22.51
			1	middle	High	2325	20325	1747.5	22.36
			1	upper	High	2325	20325	1747.5	22.40
		36 Block QPSK I_MCS 5	50%	lower	Low	2025	20025	1717.5	22.88
			50%	middle	Low	2025	20025	1717.5	23.02
			50%	upper	Low	2025	20025	1717.5	22.84
			50%	lower	Mid	2175	20175	1732.5	22.83
			50%	middle	Mid	2175	20175	1732.5	22.79
			50%	upper	Mid	2175	20175	1732.5	22.59
			50%	lower	High	2325	20325	1747.5	22.51
			50%	middle	High	2325	20325	1747.5	22.46
			50%	upper	High	2325	20325	1747.5	22.53
		75 Blocks QPSK I_MCS 5	100%	lower	Low	2025	20025	1717.5	23.02
			100%	lower	Mid	2175	20175	1732.5	22.78
			100%	lower	High	2325	20325	1747.5	22.60
		1 Block 16 QAM I_MCS 12	1	lower	Low	2025	20025	1717.5	22.22
			1	middle	Low	2025	20025	1717.5	22.95
			1	upper	Low	2025	20025	1717.5	22.75
			1	lower	Mid	2175	20175	1732.5	22.87
			1	middle	Mid	2175	20175	1732.5	22.67
			1	upper	Mid	2175	20175	1732.5	22.57
			1	lower	High	2325	20325	1747.5	22.45
			1	middle	High	2325	20325	1747.5	22.24
			1	upper	High	2325	20325	1747.5	22.31
		36 Block 16 QAM I_MCS 12	50%	lower	Low	2025	20025	1717.5	21.90
			50%	middle	Low	2025	20025	1717.5	21.92
			50%	upper	Low	2025	20025	1717.5	21.85
			50%	lower	Mid	2175	20175	1732.5	21.77
			50%	middle	Mid	2175	20175	1732.5	21.82
			50%	upper	Mid	2175	20175	1732.5	21.72
			50%	lower	High	2325	20325	1747.5	21.57
			50%	middle	High	2325	20325	1747.5	21.52
			50%	upper	High	2325	20325	1747.5	21.51
		75 Blocks 16 QAM I_MCS 12	100%	lower	Low	2025	20025	1717.5	21.99
			100%	lower	Mid	2175	20175	1732.5	21.82
			100%	lower	High	2325	20325	1747.5	21.62

Table E.15

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 4	10 MHz 50 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	2000	20000	1715.0	22.82
			1	middle	Low	2000	20000	1715.0	22.81
			1	upper	Low	2000	20000	1715.0	22.78
			1	lower	Mid	2175	20175	1732.5	22.89
			1	middle	Mid	2175	20175	1732.5	22.79
			1	upper	Mid	2175	20175	1732.5	22.55
			1	lower	High	2350	20350	1750.0	22.45
			1	middle	High	2350	20350	1750.0	22.44
			1	upper	High	2350	20350	1750.0	22.33
		25 Block QPSK I_MCS 5	50%	lower	Low	2000	20000	1715.0	22.65
			50%	middle	Low	2000	20000	1715.0	23.11
			50%	upper	Low	2000	20000	1715.0	22.96
			50%	lower	Mid	2175	20175	1732.5	22.76
			50%	middle	Mid	2175	20175	1732.5	22.81
			50%	upper	Mid	2175	20175	1732.5	22.70
			50%	lower	High	2350	20350	1750.0	22.50
			50%	middle	High	2350	20350	1750.0	22.40
			50%	upper	High	2350	20350	1750.0	22.50
		50 Blocks QPSK I_MCS 5	100%	lower	Low	2000	20000	1715.0	22.96
			100%	lower	Mid	2175	20175	1732.5	22.81
			100%	lower	High	2350	20350	1750.0	22.44
		1 Block 16 QAM I_MCS 12	1	lower	Low	2000	20000	1715.0	22.48
			1	middle	Low	2000	20000	1715.0	23.16
			1	upper	Low	2000	20000	1715.0	23.05
			1	lower	Mid	2175	20175	1732.5	22.73
			1	middle	Mid	2175	20175	1732.5	22.81
			1	upper	Mid	2175	20175	1732.5	22.57
			1	lower	High	2350	20350	1750.0	22.32
			1	middle	High	2350	20350	1750.0	22.28
			1	upper	High	2350	20350	1750.0	22.33
		25 Block 16 QAM I_MCS 12	50%	lower	Low	2000	20000	1715.0	21.76
			50%	middle	Low	2000	20000	1715.0	22.21
			50%	upper	Low	2000	20000	1715.0	22.07
			50%	lower	Mid	2175	20175	1732.5	21.83
			50%	middle	Mid	2175	20175	1732.5	22.21
			50%	upper	Mid	2175	20175	1732.5	21.75
			50%	lower	High	2350	20350	1750.0	21.48
			50%	middle	High	2350	20350	1750.0	21.45
			50%	upper	High	2350	20350	1750.0	21.50
		50 Blocks 16 QAM I_MCS 12	100%	lower	Low	2000	20000	1715.0	21.95
			100%	lower	Mid	2175	20175	1732.5	21.81
			100%	lower	High	2350	20350	1750.0	21.44

Table E.16

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 4	5 MHz 25 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	1975	19975	1712.5	22.85
			1	middle	Low	1975	19975	1712.5	22.82
			1	upper	Low	1975	19975	1712.5	22.86
			1	lower	Mid	2175	20175	1732.5	22.79
			1	middle	Mid	2175	20175	1732.5	22.66
			1	upper	Mid	2175	20175	1732.5	22.67
			1	lower	High	2375	20375	1752.5	22.38
			1	middle	High	2375	20375	1752.5	22.43
			1	upper	High	2375	20375	1752.5	22.37
		12 Block QPSK I_MCS 5	50%	lower	Low	1975	19975	1712.5	22.46
			50%	middle	Low	1975	19975	1712.5	22.60
			50%	upper	Low	1975	19975	1712.5	22.72
			50%	lower	Mid	2175	20175	1732.5	22.76
			50%	middle	Mid	2175	20175	1732.5	22.73
			50%	upper	Mid	2175	20175	1732.5	22.68
			50%	lower	High	2375	20375	1752.5	22.46
			50%	middle	High	2375	20375	1752.5	22.50
			50%	upper	High	2375	20375	1752.5	22.46
		25 Blocks QPSK I_MCS 5	100%	lower	Low	1975	19975	1712.5	22.59
			100%	lower	Mid	2175	20175	1732.5	22.77
			100%	lower	High	2375	20375	1752.5	22.55
		1 Block 16 QAM I_MCS 12	1	lower	Low	1975	19975	1712.5	22.62
			1	middle	Low	1975	19975	1712.5	22.97
			1	upper	Low	1975	19975	1712.5	23.04
			1	lower	Mid	2175	20175	1732.5	22.49
			1	middle	Mid	2175	20175	1732.5	22.42
			1	upper	Mid	2175	20175	1732.5	22.44
			1	lower	High	2375	20375	1752.5	22.38
			1	middle	High	2375	20375	1752.5	22.30
			1	upper	High	2375	20375	1752.5	22.34
		12 Block 16 QAM I_MCS 12	50%	lower	Low	1975	19975	1712.5	21.34
			50%	middle	Low	1975	19975	1712.5	21.48
			50%	upper	Low	1975	19975	1712.5	21.60
			50%	lower	Mid	2175	20175	1732.5	21.82
			50%	middle	Mid	2175	20175	1732.5	21.77
			50%	upper	Mid	2175	20175	1732.5	21.72
			50%	lower	High	2375	20375	1752.5	21.53
			50%	middle	High	2375	20375	1752.5	21.53
			50%	upper	High	2375	20375	1752.5	21.44
		25 Blocks 16 QAM I_MCS 12	100%	lower	Low	1975	19975	1712.5	21.60
			100%	lower	Mid	2175	20175	1732.5	21.81
			100%	lower	High	2375	20375	1752.5	21.46

Table E.17

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 4	3 MHz 15 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	1965	19965	1711.5	22.89
			1	middle	Low	1965	19965	1711.5	22.83
			1	upper	Low	1965	19965	1711.5	22.82
			1	lower	Mid	2175	20175	1732.5	22.78
			1	middle	Mid	2175	20175	1732.5	22.67
			1	upper	Mid	2175	20175	1732.5	22.71
			1	lower	High	2385	20385	1753.5	22.45
			1	middle	High	2385	20385	1753.5	22.45
			1	upper	High	2385	20385	1753.5	22.39
		8 Block QPSK I_MCS 5	50%	lower	Low	1965	19965	1711.5	22.35
			50%	middle	Low	1965	19965	1711.5	22.47
			50%	upper	Low	1965	19965	1711.5	22.56
			50%	lower	Mid	2175	20175	1732.5	22.72
			50%	middle	Mid	2175	20175	1732.5	22.75
			50%	upper	Mid	2175	20175	1732.5	22.70
			50%	lower	High	2385	20385	1753.5	22.52
			50%	middle	High	2385	20385	1753.5	22.42
			50%	upper	High	2385	20385	1753.5	22.45
		15 Blocks QPSK I_MCS 5	100%	lower	Low	1965	19965	1711.5	22.50
			100%	lower	Mid	2175	20175	1732.5	22.80
			100%	lower	High	2385	20385	1753.5	22.44
		1 Block 16 QAM I_MCS 12	1	lower	Low	1965	19965	1711.5	22.40
			1	middle	Low	1965	19965	1711.5	22.61
			1	upper	Low	1965	19965	1711.5	22.77
			1	lower	Mid	2175	20175	1732.5	22.85
			1	middle	Mid	2175	20175	1732.5	22.69
			1	upper	Mid	2175	20175	1732.5	22.71
			1	lower	High	2385	20385	1753.5	22.38
			1	middle	High	2385	20385	1753.5	22.17
			1	upper	High	2385	20385	1753.5	22.45
		8 Block 16 QAM I_MCS 12	50%	lower	Low	1965	19965	1711.5	21.43
			50%	middle	Low	1965	19965	1711.5	21.53
			50%	upper	Low	1965	19965	1711.5	21.63
			50%	lower	Mid	2175	20175	1732.5	21.88
			50%	middle	Mid	2175	20175	1732.5	21.82
			50%	upper	Mid	2175	20175	1732.5	21.73
			50%	lower	High	2385	20385	1753.5	21.59
			50%	middle	High	2385	20385	1753.5	21.58
			50%	upper	High	2385	20385	1753.5	21.49
		15 Blocks 16 QAM I_MCS 12	100%	lower	Low	1965	19965	1711.5	21.50
			100%	lower	Mid	2175	20175	1732.5	21.84
			100%	lower	High	2385	20385	1753.5	21.43

Table E.18

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 4	1.4 MHz 6 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	1957	19957	1710.7	22.87
			1	middle	Low	1957	19957	1710.7	22.85
			1	upper	Low	1957	19957	1710.7	22.87
			1	lower	Mid	2175	20175	1732.5	22.77
			1	middle	Mid	2175	20175	1732.5	22.79
			1	upper	Mid	2175	20175	1732.5	22.68
			1	lower	High	2393	20393	1754.3	22.67
			1	middle	High	2393	20393	1754.3	22.53
			1	upper	High	2393	20393	1754.3	22.48
		3 Block QPSK I_MCS 5	50%	lower	Low	1957	19957	1710.7	22.86
			50%	middle	Low	1957	19957	1710.7	22.83
			50%	upper	Low	1957	19957	1710.7	22.86
			50%	lower	Mid	2175	20175	1732.5	22.80
			50%	middle	Mid	2175	20175	1732.5	22.50
			50%	upper	Mid	2175	20175	1732.5	22.80
			50%	lower	High	2393	20393	1754.3	22.36
			50%	middle	High	2393	20393	1754.3	22.38
			50%	upper	High	2393	20393	1754.3	22.25
		6 Blocks QPSK I_MCS 5	100%	lower	Low	1957	19957	1710.7	23.33
			100%	lower	Mid	2175	20175	1732.5	22.78
			100%	lower	High	2393	20393	1754.3	22.65
		1 Block 16 QAM I_MCS 12	1	lower	Low	1957	19957	1710.7	22.31
			1	middle	Low	1957	19957	1710.7	22.44
			1	upper	Low	1957	19957	1710.7	22.45
			1	lower	Mid	2175	20175	1732.5	22.91
			1	middle	Mid	2175	20175	1732.5	22.82
			1	upper	Mid	2175	20175	1732.5	22.71
			1	lower	High	2393	20393	1754.3	22.33
			1	middle	High	2393	20393	1754.3	22.33
			1	upper	High	2393	20393	1754.3	22.25
		3 Block 16 QAM I_MCS 12	50%	lower	Low	1957	19957	1710.7	22.21
			50%	middle	Low	1957	19957	1710.7	22.15
			50%	upper	Low	1957	19957	1710.7	22.32
			50%	lower	Mid	2175	20175	1732.5	22.79
			50%	middle	Mid	2175	20175	1732.5	22.53
			50%	upper	Mid	2175	20175	1732.5	22.78
			50%	lower	High	2393	20393	1754.3	22.61
			50%	middle	High	2393	20393	1754.3	22.03
			50%	upper	High	2393	20393	1754.3	22.54
		6 Blocks 16 QAM I_MCS 12	100%	lower	Low	1957	19957	1710.7	21.34
			100%	lower	Mid	2175	20175	1732.5	21.88
			100%	lower	High	2393	20393	1754.3	21.68

E.4.2 Assessments at the Body

Table below presents the data of the body assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.19

Assessments at the Body (LTE B4) 1710 – 1755MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at body – 1 RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	Body	HKLN4618A back	None	1732.5	191	-0.06	0.45	0.29	0.60	0.39	ErC-Ab-150824-02
Ant 1	PMNN4472B Standard	Body	HKLN4618A front	None	1732.5	191	-0.03	0.46	0.29	0.61	0.39	ErC-Ab-150824-04
Assessment at body – 50% RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	Body	HKLN4618A back	None	1732.5	191	-0.04	0.47	0.30	0.63	0.40	ErC-Ab-150824-03
Ant 1	PMNN4472B Standard	Body	HKLN4618A front	None	1732.5	191	0.03	0.47	0.30	0.62	0.39	ErC-Ab-150824-05
Assessment at the body – extended battery												
Ant 1	PMNN4475B Extended	Body	HKLN4618A back	None	1732.5	191	-0.02	0.36	0.23	0.47	0.31	ErC-Ab-150824-06

E.4.3 Assessments for hot spot mode

Table below presents the data of the hot spot assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.20

Assessments at the Body (LTE B4) 1710 – 1755MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at body – 1 RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	1732.5	191	0.00	0.50	0.33	0.65	0.43	ErC-Ab-150824-07
Ant 1	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	1732.5	191	-0.01	0.54	0.35	0.71	0.46	ErC-Ab-150824-08
Ant 1	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	1732.5	191	0.01	0.44	0.26	0.58	0.34	ErC-Ab-150824-12
Ant 1	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	1732.5	191	-0.01	0.29	0.18	0.38	0.24	ErC-Ab-150824-13
Assessment at body – 50% RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	1732.5	191	-0.02	0.51	0.33	0.67	0.44	ErC-Ab-150824-09
Ant 1	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	1732.5	191	0.01	0.55	0.35	0.72	0.47	ErC-Ab-150824-10
Ant 1	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	1732.5	191	0.08	0.45	0.28	0.59	0.36	ErC-Ab-150824-11
Ant 1	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	1732.5	191	-0.03	0.31	0.20	0.41	0.26	ErC-Ab-150824-14
Assessment at the body – extended battery												
Ant 1	PMNN4475B Extended	Body	Front of DUT @ 1cm	None	1732.5	191	0.01	0.61	0.39	0.81	0.52	ErC-Ab-150824-15

E.4.4 Assessments at the Head

Table below presents the data of the head assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.21

Assessments at the Head (LTE B4) 1710 – 1755MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at right ear – 1 RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	REAR	Touch	None	1732.5	191	-0.14	0.54	0.34	0.73	0.46	ErC-Rear-150825-06
Ant 1	PMNN4472B Standard	REAR	Tilt	None	1732.5	191	-0.12	0.25	0.14	0.34	0.19	ErC-Rear-150825-07
Assessment at right ear – 50% RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	REAR	Touch	None	1732.5	191	-0.22	0.55	0.35	0.76	0.48	ErC-Rear-150825-08
Ant 1	PMNN4472B Standard	REAR	Tilt	None	1732.5	191	-0.07	0.25	0.15	0.34	0.20	ErC-Rear-150825-09
Assessment at left ear – 1 RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	LEAR	Touch	None	1732.5	191	0.00	0.54	0.33	0.70	0.43	ErC-Lear-150825-10
Ant 1	PMNN4472B Standard	LEAR	Tilt	None	1732.5	191	-0.25	0.18	0.11	0.24	0.15	ErC-Lear-150825-11
Assessment at left ear – 50% RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	LEAR	Touch	None	1732.5	191	-0.04	0.47	0.30	0.62	0.39	ErC-Lear-150825-12
Ant 1	PMNN4472B Standard	LEAR	Tilt	None	1732.5	191	-0.17	0.16	0.11	0.22	0.15	ErC-Lear-150825-13
Assessment at the head – extended battery												
Ant 1	PMNN4475B Extended	REAR	Touch	None	1732.5	191	-0.14	0.57	0.36	0.77	0.48	ErC-Rear-150825-14

E.5 Assessments at LTE B5 (824 – 849MHz)

E.5.1 Output Power Data

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

Table E.22

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 5	10 MHz 50 Blocks	1 Block QPSK I_MCS 5 25 Blocks	1	lower	Mid	2525	20525	836.5	22.88
			1	middle	Mid	2525	20525	836.5	22.81
			1	upper	Mid	2525	20525	836.5	22.78
			50%	lower	Mid	2525	20525	836.5	22.98
			50%	middle	Mid	2525	20525	836.5	22.94
			50%	upper	Mid	2525	20525	836.5	22.93
			100%	lower	Mid	2525	20525	836.5	22.93
			1	lower	Mid	2525	20525	836.5	22.82
			1	middle	Mid	2525	20525	836.5	22.79
		1 Block 16 QAM I_MCS 12 25 Blocks	1	upper	Mid	2525	20525	836.5	22.61
			50%	lower	Mid	2525	20525	836.5	21.99
			50%	middle	Mid	2525	20525	836.5	22.03
			50%	upper	Mid	2525	20525	836.5	22.01
			50 Blocks	100%	lower	Mid	2525	20525	21.94

Table E.23

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 5	5 MHz 25 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	2425	20425	826.5	22.92
			1	middle	Low	2425	20425	826.5	22.80
			1	upper	Low	2425	20425	826.5	23.02
			1	lower	Mid	2525	20525	836.5	23.23
			1	middle	Mid	2525	20525	836.5	22.85
			1	upper	Mid	2525	20525	836.5	22.93
			1	lower	High	2625	20625	846.5	22.97
			1	middle	High	2625	20625	846.5	22.90
			1	upper	High	2625	20625	846.5	22.66
		12 Block QPSK I_MCS 5	50%	lower	Low	2425	20425	826.5	23.07
			50%	middle	Low	2425	20425	826.5	23.06
			50%	upper	Low	2425	20425	826.5	23.05
			50%	lower	Mid	2525	20525	836.5	22.92
			50%	middle	Mid	2525	20525	836.5	22.98
			50%	upper	Mid	2525	20525	836.5	22.91
			50%	lower	High	2625	20625	846.5	22.88
			50%	middle	High	2625	20625	846.5	22.87
			50%	upper	High	2625	20625	846.5	22.90
		25 Blocks QPSK I_MCS 5	100%	lower	Low	2425	20425	826.5	23.09
			100%	lower	Mid	2525	20525	836.5	22.95
			100%	lower	High	2625	20625	846.5	22.91
		1 Block 16 QAM I_MCS 12	1	lower	Low	2425	20425	826.5	23.26
			1	middle	Low	2425	20425	826.5	23.17
			1	upper	Low	2425	20425	826.5	23.08
			1	lower	Mid	2525	20525	836.5	22.71
			1	middle	Mid	2525	20525	836.5	22.62
			1	upper	Mid	2525	20525	836.5	22.70
			1	lower	High	2625	20625	846.5	22.77
			1	middle	High	2625	20625	846.5	22.73
			1	upper	High	2625	20625	846.5	22.62
		12 Block 16 QAM I_MCS 12	50%	lower	Low	2425	20425	826.5	21.92
			50%	middle	Low	2425	20425	826.5	21.98
			50%	upper	Low	2425	20425	826.5	21.95
			50%	lower	Mid	2525	20525	836.5	21.97
			50%	middle	Mid	2525	20525	836.5	21.94
			50%	upper	Mid	2525	20525	836.5	21.97
			50%	lower	High	2625	20625	846.5	21.95
			50%	middle	High	2625	20625	846.5	21.98
			50%	upper	High	2625	20625	846.5	21.97
		25 Blocks 16 QAM I_MCS 12	100%	lower	Low	2425	20425	826.5	22.04
			100%	lower	Mid	2525	20525	836.5	22.03
			100%	lower	High	2625	20625	846.5	21.94

Table E.24

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 5	3 MHz 15 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	2415	20415	825.5	22.96
			1	middle	Low	2415	20415	825.5	22.96
			1	upper	Low	2415	20415	825.5	22.95
			1	lower	Mid	2525	20525	836.5	22.92
			1	middle	Mid	2525	20525	836.5	22.93
			1	upper	Mid	2525	20525	836.5	22.97
			1	lower	High	2635	20635	847.5	22.84
			1	middle	High	2635	20635	847.5	22.57
			1	upper	High	2635	20635	847.5	22.63
		8 Block QPSK I_MCS 5	50%	lower	Low	2415	20415	825.5	23.22
			50%	middle	Low	2415	20415	825.5	23.12
			50%	upper	Low	2415	20415	825.5	23.14
			50%	lower	Mid	2525	20525	836.5	22.98
			50%	middle	Mid	2525	20525	836.5	22.98
			50%	upper	Mid	2525	20525	836.5	22.98
			50%	lower	High	2635	20635	847.5	22.87
			50%	middle	High	2635	20635	847.5	22.93
			50%	upper	High	2635	20635	847.5	22.76
		15 Blocks QPSK I_MCS 5	100%	lower	Low	2415	20415	825.5	23.06
			100%	lower	Mid	2525	20525	836.5	22.95
			100%	lower	High	2635	20635	847.5	22.91
		1 Block 16 QAM I_MCS 12	1	lower	Low	2415	20415	825.5	23.35
			1	middle	Low	2415	20415	825.5	23.08
			1	upper	Low	2415	20415	825.5	23.21
			1	lower	Mid	2525	20525	836.5	23.03
			1	middle	Mid	2525	20525	836.5	22.96
			1	upper	Mid	2525	20525	836.5	23.05
			1	lower	High	2635	20635	847.5	22.79
			1	middle	High	2635	20635	847.5	22.59
			1	upper	High	2635	20635	847.5	22.61
		8 Block 16 QAM I_MCS 12	50%	lower	Low	2415	20415	825.5	22.19
			50%	middle	Low	2415	20415	825.5	22.21
			50%	upper	Low	2415	20415	825.5	22.06
			50%	lower	Mid	2525	20525	836.5	21.98
			50%	middle	Mid	2525	20525	836.5	22.07
			50%	upper	Mid	2525	20525	836.5	22.00
			50%	lower	High	2635	20635	847.5	21.95
			50%	middle	High	2635	20635	847.5	21.90
			50%	upper	High	2635	20635	847.5	22.13
		15 Blocks 16 QAM I_MCS 12	100%	lower	Low	2415	20415	825.5	22.01
			100%	lower	Mid	2525	20525	836.5	21.89
			100%	lower	High	2635	20635	847.5	21.89

Table E.25

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 5	1.4 MHz 6 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	2407	20407	824.7	23.06
			1	middle	Low	2407	20407	824.7	22.97
			1	upper	Low	2407	20407	824.7	22.97
			1	lower	Mid	2525	20525	836.5	22.82
			1	middle	Mid	2525	20525	836.5	22.85
			1	upper	Mid	2525	20525	836.5	22.92
			1	lower	High	2643	20643	848.3	22.81
			1	middle	High	2643	20643	848.3	22.76
			1	upper	High	2643	20643	848.3	22.72
		3 Block QPSK I_MCS 5	50%	lower	Low	2407	20407	824.7	23.43
			50%	middle	Low	2407	20407	824.7	23.31
			50%	upper	Low	2407	20407	824.7	23.21
			50%	lower	Mid	2525	20525	836.5	23.08
			50%	middle	Mid	2525	20525	836.5	22.68
			50%	upper	Mid	2525	20525	836.5	22.93
			50%	lower	High	2643	20643	848.3	22.79
			50%	middle	High	2643	20643	848.3	22.32
			50%	upper	High	2643	20643	848.3	22.72
		6 Blocks QPSK I_MCS 5	100%	lower	Low	2407	20407	824.7	23.22
			100%	lower	Mid	2525	20525	836.5	22.97
			100%	lower	High	2643	20643	848.3	22.79
		1 Block 16 QAM I_MCS 12	1	lower	Low	2407	20407	824.7	23.28
			1	middle	Low	2407	20407	824.7	23.22
			1	upper	Low	2407	20407	824.7	23.09
			1	lower	Mid	2525	20525	836.5	22.95
			1	middle	Mid	2525	20525	836.5	23.03
			1	upper	Mid	2525	20525	836.5	22.97
			1	lower	High	2643	20643	848.3	22.91
			1	middle	High	2643	20643	848.3	22.80
			1	upper	High	2643	20643	848.3	22.84
		3 Block 16 QAM I_MCS 12	50%	lower	Low	2407	20407	824.7	23.05
			50%	middle	Low	2407	20407	824.7	22.56
			50%	upper	Low	2407	20407	824.7	23.06
			50%	lower	Mid	2525	20525	836.5	22.94
			50%	middle	Mid	2525	20525	836.5	22.38
			50%	upper	Mid	2525	20525	836.5	23.00
			50%	lower	High	2643	20643	848.3	22.84
			50%	middle	High	2643	20643	848.3	22.71
			50%	upper	High	2643	20643	848.3	22.81
		6 Blocks 16 QAM I_MCS 12	100%	lower	Low	2407	20407	824.7	22.29
			100%	lower	Mid	2525	20525	836.5	22.09
			100%	lower	High	2643	20643	848.3	21.83

E.5.2 Assessments at the Body

Table below presents the data of the body assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.26

Assessments at the Body (LTE B5) 824 – 849MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at body – 1 RB, 10MHz BW Ch.												
Ant 2	PMNN4472B Standard	Body	HKLN4618A back	None	836.5	194	-0.07	0.33	0.24	0.44	0.31	ErC-Ab-150814-07
Ant 2	PMNN4472B Standard	Body	HKLN4618A front	None	836.5	194	0.00	0.27	0.19	0.35	0.25	ErC-Ab-150814-08
Assessment at body – 50% RB, 10MHz BW Ch.												
Ant 2	PMNN4472B Standard	Body	HKLN4618A back	None	836.5	199	0.04	0.35	0.24	0.44	0.31	ErC-Ab-150814-09
Ant 2	PMNN4472B Standard	Body	HKLN4618A front	None	836.5	199	0.02	0.29	0.20	0.36	0.25	ErC-Ab-150814-10
Assessment at the body – extended battery												
Ant 2	PMNN4475B Extended	Body	HKLN4618A back	None	836.5	199	0.00	0.30	0.21	0.37	0.27	ErC-Ab-150816-02

E.5.3 Assessments for hot spot mode

Table below presents the data of the hot spot assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.27

Assessments at the Body (LTE B5) 824 – 849MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at body – 1 RB, 10MHz BW Ch.												
Ant 2	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	836.5	194	0.01	0.58	0.44	0.75	0.57	ErC-Ab-150826-02
Ant 2	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	836.5	194	0.00	0.42	0.32	0.55	0.41	ErC-Ab-150816-03
Ant 2	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	836.5	194	0.00	0.12	0.08	0.16	0.11	ErC-Ab-150816-07
Ant 2	PMNN4472B Standard	Body	Left side of DUT @ 1cm	None	836.5	194	-0.02	0.27	0.19	0.35	0.25	ErC-Ab-150816-08
Ant 2	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	836.5	194	-0.02	0.23	0.16	0.30	0.21	ErC-Ab-150820-06
Assessment at body – 50% RB, 10MHz BW Ch.												
Ant 2	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	836.5	199	-0.08	0.58	0.44	0.75	0.56	ErC-Ab-150816-04
Ant 2	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	836.5	199	-0.03	0.43	0.32	0.54	0.41	ErC-Ab-150816-05
Ant 2	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	836.5	199	0.07	0.13	0.09	0.17	0.11	ErC-Ab-150816-06
Ant 2	PMNN4472B Standard	Body	Left side of DUT @ 1cm	None	836.5	199	0.08	0.30	0.21	0.38	0.26	ErC-Ab-150816-09
Ant 2	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	836.5	199	-0.01	0.24	0.17	0.30	0.21	ErC-Ab-150820-07
Assessment at the body – extended battery												
Ant 2	PMNN4475B Extended	Body	Back of DUT @ 1cm	None	836.5	199	-0.07	0.51	0.38	0.66	0.49	ErC-Ab-150816-10

E.5.4 Assessments at the Head

Table below presents the data of the head assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.28

Assessments at the Head (LTE B5) 824 – 849MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at right ear – 1 RB, 10MHz BW Ch.												
Ant 2	PMNN4472B Standard	REAR	Touch	None	836.5	194	-0.19	0.32	0.25	0.43	0.33	ErC-Rear-150820-15
Ant 2	PMNN4472B Standard	REAR	Tilt	None	836.5	194	-0.05	0.20	0.15	0.26	0.20	ErC-Rear-150820-16
Assessment at right ear – 50% RB, 10MHz BW Ch.												
Ant 2	PMNN4472B Standard	REAR	Touch	None	836.5	199	-0.08	0.33	0.26	0.42	0.33	ErC-Rear-150820-17
Ant 2	PMNN4472B Standard	REAR	Tilt	None	836.5	199	0.01	0.21	0.16	0.26	0.20	ErC-Rear-150820-18
Assessment at left ear – 1 RB, 10MHz BW Ch.												
Ant 2	PMNN4472B Standard	LEAR	Touch	None	836.5	194	-0.21	0.32	0.24	0.43	0.32	ErC-Lear-150820-19
Ant 2	PMNN4472B Standard	LEAR	Tilt	None	836.5	194	0.06	0.20	0.16	0.26	0.20	ErC-Lear-150820-20
Assessment at left ear – 50% RB, 10MHz BW Ch.												
Ant 2	PMNN4472B Standard	LEAR	Touch	None	836.5	199	-0.08	0.34	0.26	0.43	0.33	ErC-Lear-150820-21
Ant 2	PMNN4472B Standard	LEAR	Tilt	None	836.5	199	-0.35	0.21	0.16	0.29	0.22	ErC-Lear-150820-22
Assessment at the head – extended battery												
Ant 2	PMNN4475B Extended	LEAR	Touch	None	836.5	199	0.39	0.31	0.24	0.39	0.30	ErC-Lear-150821-02

E.6 Assessments at LTE B7 (2500 – 2570MHz)

E.6.1 Output Power Data

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

Table E.29

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 7	20 MHz 100 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	2850	20850	2510.0	21.73
			1	middle	Low	2850	20850	2510.0	22.43
			1	upper	Low	2850	20850	2510.0	22.70
			1	lower	Mid	3100	21100	2535.0	22.50
			1	middle	Mid	3100	21100	2535.0	22.62
			1	upper	Mid	3100	21100	2535.0	22.10
			1	lower	High	3350	21350	2560.0	22.53
			1	middle	High	3350	21350	2560.0	22.56
			1	upper	High	3350	21350	2560.0	22.26
		50 Block QPSK I_MCS 5	50%	lower	Low	2850	20850	2510.0	21.13
			50%	middle	Low	2850	20850	2510.0	21.47
			50%	upper	Low	2850	20850	2510.0	21.46
			50%	lower	Mid	3100	21100	2535.0	21.60
			50%	middle	Mid	3100	21100	2535.0	21.62
			50%	upper	Mid	3100	21100	2535.0	21.65
			50%	lower	High	3350	21350	2560.0	21.62
			50%	middle	High	3350	21350	2560.0	21.61
			50%	upper	High	3350	21350	2560.0	21.60
		100 Blocks QPSK I_MCS 5	100%	lower	Low	2850	20850	2510.0	21.35
			100%	lower	Mid	3100	21100	2535.0	21.62
			100%	lower	High	3350	21350	2560.0	21.60
		1 Block 16 QAM I_MCS 12	1	lower	Low	2850	20850	2510.0	21.17
			1	middle	Low	2850	20850	2510.0	21.76
			1	upper	Low	2850	20850	2510.0	21.70
			1	lower	Mid	3100	21100	2535.0	21.36
			1	middle	Mid	3100	21100	2535.0	21.37
			1	upper	Mid	3100	21100	2535.0	21.21
			1	lower	High	3350	21350	2560.0	21.74
			1	middle	High	3350	21350	2560.0	21.60
			1	upper	High	3350	21350	2560.0	21.76
		50 Block 16 QAM I_MCS 12	50%	lower	Low	2850	20850	2510.0	20.18
			50%	middle	Low	2850	20850	2510.0	20.52
			50%	upper	Low	2850	20850	2510.0	20.70
			50%	lower	Mid	3100	21100	2535.0	20.65
			50%	middle	Mid	3100	21100	2535.0	20.66
			50%	upper	Mid	3100	21100	2535.0	20.59
			50%	lower	High	3350	21350	2560.0	20.60
			50%	middle	High	3350	21350	2560.0	20.48
			50%	upper	High	3350	21350	2560.0	20.53
		100 Blocks 16 QAM I_MCS 12	100%	lower	Low	2850	20850	2510.0	20.41
			100%	lower	Mid	3100	21100	2535.0	20.64
			100%	lower	High	3350	21350	2560.0	20.60

Table E.30

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 7	15 MHz 75 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	2825	20825	2507.5	22.03
			1	middle	Low	2825	20825	2507.5	22.11
			1	upper	Low	2825	20825	2507.5	22.71
			1	lower	Mid	3100	21100	2535.0	22.55
			1	middle	Mid	3100	21100	2535.0	22.55
			1	upper	Mid	3100	21100	2535.0	22.50
			1	lower	High	3375	21375	2562.5	22.45
			1	middle	High	3375	21375	2562.5	22.43
			1	upper	High	3375	21375	2562.5	22.44
		36 Block QPSK I_MCS 5	50%	lower	Low	2825	20825	2507.5	21.26
			50%	middle	Low	2825	20825	2507.5	21.45
			50%	upper	Low	2825	20825	2507.5	21.39
			50%	lower	Mid	3100	21100	2535.0	21.63
			50%	middle	Mid	3100	21100	2535.0	21.62
			50%	upper	Mid	3100	21100	2535.0	21.59
			50%	lower	High	3375	21375	2562.5	21.57
			50%	middle	High	3375	21375	2562.5	21.58
			50%	upper	High	3375	21375	2562.5	21.60
		75 Blocks QPSK I_MCS 5	100%	lower	Low	2825	20825	2507.5	21.35
			100%	lower	Mid	3100	21100	2535.0	21.64
			100%	lower	High	3375	21375	2562.5	21.57
		1 Block 16 QAM I_MCS 12	1	lower	Low	2825	20825	2507.5	21.00
			1	middle	Low	2825	20825	2507.5	21.12
			1	upper	Low	2825	20825	2507.5	21.76
			1	lower	Mid	3100	21100	2535.0	21.58
			1	middle	Mid	3100	21100	2535.0	21.64
			1	upper	Mid	3100	21100	2535.0	21.59
			1	lower	High	3375	21375	2562.5	21.42
			1	middle	High	3375	21375	2562.5	21.36
			1	upper	High	3375	21375	2562.5	21.40
		36 Block 16 QAM I_MCS 12	50%	lower	Low	2825	20825	2507.5	20.32
			50%	middle	Low	2825	20825	2507.5	20.33
			50%	upper	Low	2825	20825	2507.5	20.63
			50%	lower	Mid	3100	21100	2535.0	20.67
			50%	middle	Mid	3100	21100	2535.0	20.67
			50%	upper	Mid	3100	21100	2535.0	20.63
			50%	lower	High	3375	21375	2562.5	20.60
			50%	middle	High	3375	21375	2562.5	20.56
			50%	upper	High	3375	21375	2562.5	20.54
		75 Blocks 16 QAM I_MCS 12	100%	lower	Low	2825	20825	2507.5	20.39
			100%	lower	Mid	3100	21100	2535.0	20.65
			100%	lower	High	3375	21375	2562.5	20.53

Table E.31

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 7	10 MHz 50 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	2800	20800	2505.0	22.03
			1	middle	Low	2800	20800	2505.0	22.18
			1	upper	Low	2800	20800	2505.0	22.38
			1	lower	Mid	3100	21100	2535.0	22.60
			1	middle	Mid	3100	21100	2535.0	22.59
			1	upper	Mid	3100	21100	2535.0	22.65
			1	lower	High	3400	21400	2565.0	22.44
			1	middle	High	3400	21400	2565.0	22.43
			1	upper	High	3400	21400	2565.0	22.50
		25 Block QPSK I_MCS 5	50%	lower	Low	2800	20800	2505.0	21.24
			50%	middle	Low	2800	20800	2505.0	21.40
			50%	upper	Low	2800	20800	2505.0	21.30
			50%	lower	Mid	3100	21100	2535.0	21.73
			50%	middle	Mid	3100	21100	2535.0	21.72
			50%	upper	Mid	3100	21100	2535.0	21.56
			50%	lower	High	3400	21400	2565.0	21.61
			50%	middle	High	3400	21400	2565.0	21.60
			50%	upper	High	3400	21400	2565.0	21.61
		50 Blocks QPSK I_MCS 5	100%	lower	Low	2800	20800	2505.0	21.37
			100%	lower	Mid	3100	21100	2535.0	21.67
			100%	lower	High	3400	21400	2565.0	21.58
		1 Block 16 QAM I_MCS 12	1	lower	Low	2800	20800	2505.0	21.19
			1	middle	Low	2800	20800	2505.0	21.36
			1	upper	Low	2800	20800	2505.0	21.57
			1	lower	Mid	3100	21100	2535.0	21.63
			1	middle	Mid	3100	21100	2535.0	21.59
			1	upper	Mid	3100	21100	2535.0	21.64
			1	lower	High	3400	21400	2565.0	21.43
			1	middle	High	3400	21400	2565.0	21.35
			1	upper	High	3400	21400	2565.0	21.36
		25 Block 16 QAM I_MCS 12	50%	lower	Low	2800	20800	2505.0	20.46
			50%	middle	Low	2800	20800	2505.0	20.58
			50%	upper	Low	2800	20800	2505.0	20.57
			50%	lower	Mid	3100	21100	2535.0	20.74
			50%	middle	Mid	3100	21100	2535.0	20.66
			50%	upper	Mid	3100	21100	2535.0	20.62
			50%	lower	High	3400	21400	2565.0	20.52
			50%	middle	High	3400	21400	2565.0	20.50
			50%	upper	High	3400	21400	2565.0	20.57
		50 Blocks 16 QAM I_MCS 12	100%	lower	Low	2800	20800	2505.0	20.41
			100%	lower	Mid	3100	21100	2535.0	20.68
			100%	lower	High	3400	21400	2565.0	20.49

Table E.32

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 7	5 MHz 25 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	2775	20775	2502.5	21.87
			1	middle	Low	2775	20775	2505.5	22.06
			1	upper	Low	2775	20775	2505.5	22.21
			1	lower	Mid	3100	21100	2535.0	22.60
			1	middle	Mid	3100	21100	2535.0	22.57
			1	upper	Mid	3100	21100	2535.0	22.58
			1	lower	High	3425	21425	2567.5	22.49
			1	middle	High	3425	21425	2567.5	22.46
			1	upper	High	3425	21425	2567.5	22.43
		12 Block QPSK I_MCS 5	50%	lower	Low	2775	20775	2510.0	21.00
			50%	middle	Low	2775	20775	2510.0	21.13
			50%	upper	Low	2775	20775	2510.0	21.28
			50%	lower	Mid	3100	21100	2535.0	21.61
			50%	middle	Mid	3100	21100	2535.0	21.64
			50%	upper	Mid	3100	21100	2535.0	21.57
			50%	lower	High	3425	21425	2560.0	21.60
			50%	middle	High	3425	21425	2560.0	21.57
			50%	upper	High	3425	21425	2560.0	21.63
		25 Blocks QPSK I_MCS 5	100%	lower	Low	2775	20775	2505.5	21.10
			100%	lower	Mid	3100	21100	2535.0	21.60
			100%	lower	High	3425	21425	2567.5	21.57
		1 Block 16 QAM I_MCS 12	1	lower	Low	2775	20775	2502.5	21.30
			1	middle	Low	2775	20775	2505.5	21.52
			1	upper	Low	2775	20775	2505.5	21.43
			1	lower	Mid	3100	21100	2535.0	21.33
			1	middle	Mid	3100	21100	2535.0	21.29
			1	upper	Mid	3100	21100	2535.0	21.25
			1	lower	High	3425	21425	2567.5	21.37
			1	middle	High	3425	21425	2567.5	21.32
			1	upper	High	3425	21425	2567.5	21.48
		12 Block 16 QAM I_MCS 12	50%	lower	Low	2775	20775	2510.0	19.93
			50%	middle	Low	2775	20775	2510.0	20.07
			50%	upper	Low	2775	20775	2510.0	20.23
			50%	lower	Mid	3100	21100	2535.0	20.68
			50%	middle	Mid	3100	21100	2535.0	20.60
			50%	upper	Mid	3100	21100	2535.0	20.62
			50%	lower	High	3425	21425	2560.0	20.58
			50%	middle	High	3425	21425	2560.0	20.53
			50%	upper	High	3425	21425	2560.0	20.57
		25 Blocks 16 QAM I_MCS 12	100%	lower	Low	2775	20775	2505.5	20.15
			100%	lower	Mid	3100	21100	2535.0	20.64
			100%	lower	High	3425	21425	2567.5	20.50

E.6.2 Assessments at the Body

Table below presents the data of the body assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.33

Assessments at the Body (LTE B7) 2500 – 2570MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at body – 1 RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	Body	HKLN4618A back	None	2510.0	186	-0.08	0.57	0.32	0.58	0.33	ErC-Ab-150918-07
Ant 1	PMNN4472B Standard	Body	HKLN4618A front	None	2510.0	186	-0.23	0.37	0.20	0.39	0.21	ErC-Ab-150918-09
Assessment at body – 50% RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	Body	HKLN4618A back	None	2535.0	146	-0.01	0.48	0.27	0.59	0.33	ErC-Ab-150918-08
Ant 1	PMNN4472B Standard	Body	HKLN4618A front	None	2535.0	146	-0.11	0.33	0.18	0.41	0.22	ErC-Ab-150918-10
Assessment at the body – extended battery												
Ant 1	PMNN4475B Extended	Body	HKLN4618A back	None	2535.0	146	-0.27	0.36	0.21	0.47	0.27	ErC-Ab-150918-11

E.6.3 Assessments for hot spot mode

Table below presents the data of the hot spot assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.34

Assessments at the Body (LTE B7) 2500 – 2570MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at body – 1 RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	2510.0	186	-0.11	0.49	0.26	0.50	0.26	ErC-Ab-150918-12
Ant 1	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	2510.0	186	0.01	0.82	0.43	0.82	0.43	ErC-Ab-150918-13
Ant 1	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	2510.0	186	-0.13	0.64	0.40	0.65	0.35	ErC-Ab-150921-02
Ant 1	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	2510.0	186	-0.06	0.37	0.20	0.37	0.20	ErC-Ab-150921-05
Additional Channels for SAR > 0.8mW/g												
Ant 1	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	2535.0	183	-0.11	0.89	0.47	0.91	0.48	ErC-Ab-150921-06
Ant 1	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	2560.0	180	-0.07	0.78	0.41	0.79	0.42	ErC-Ab-150921-07
Assessment at body – 50% RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	2535.0	146	-0.23	0.51	0.27	0.66	0.35	ErC-Ab-150918-14
Ant 1	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	2535.0	146	0.02	0.76	0.40	0.93	0.49	ErC-Ab-150918-15
Ant 1	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	2535.0	146	-0.04	0.58	0.31	0.71	0.38	ErC-Ab-150921-03
Ant 1	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	2535.0	146	-0.14	0.30	0.16	0.37	0.20	ErC-Ab-150921-04

Table E.34 (Continued)

Assessments at the Body (LTE B7) 2500 – 2570MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Additional Channels for SAR > 0.8mW/g												
Ant 1	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	2510.0	140	-0.09	0.61	0.32	0.79	0.42	ErC-Ab-150921-08
Ant 1	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	2560.0	145	-0.20	0.61	0.32	0.79	0.42	ErC-Ab-150921-09
Assessment at the body – extended battery												
Ant 1	PMNN4475B Extended	Body	Back of DUT @ 1cm	None	2535.0	146	-0.29	0.36	0.20	0.47	0.26	ErC-Ab-150921-10

E.6.4 Assessments at the Head

Table below presents the data of the head assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.35

Assessments at the Head (LTE B7) 2500 – 2570MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at right ear – 1 RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	REAR	Touch	None	2510.0	186	-0.01	0.83	0.44	0.83	0.44	ErC-Rear-150916-02
Ant 1	PMNN4472B Standard	REAR	Tilt	None	2510.0	186	-0.20	0.12	0.07	0.13	0.07	ErC-Rear-150916-03
Additional Channels for SAR > 0.8mW/g												
Ant 1	PMNN4472B Standard	REAR	Touch	None	2535.0	183	0.02	1.00	0.53	1.00	0.53	ErC-Rear-150916-06
Ant 1	PMNN4472B Standard	REAR	Touch	None	2560.0	180	-0.01	1.00	0.52	1.00	0.52	ErC-Rear-150916-07
Assessment at right ear – 50% RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	REAR	Touch	None	2535	146	-0.16	0.75	0.39	0.94	0.49	ErC-Rear-150916-04
Ant 1	PMNN4472B Standard	REAR	Tilt	None	2535	146	-0.09	0.11	0.06	0.14	0.08	ErC-Rear-150916-05
Additional Channels for SAR > 0.8mW/g												
Ant 1	PMNN4472B Standard	REAR	Touch	None	2510.0	140	0.43	0.67	0.34	0.85	0.43	ErC-Rear-150916-08
Ant 1	PMNN4472B Standard	REAR	Touch	None	2560.0	145	-0.13	0.71	0.36	0.90	0.46	ErC-Rear-150916-09
Assessment at left ear – 1 RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	LEAR	Touch	None	2510.0	186	-0.05	0.43	0.24	0.43	0.24	ErC-Lear-150916-12
Ant 1	PMNN4472B Standard	LEAR	Tilt	None	2510.0	186	-0.06	0.13	0.07	0.13	0.07	ErC-Lear-150916-13
Assessment at left ear – 50% RB, 20MHz BW Ch.												
Ant 1	PMNN4472B Standard	LEAR	Touch	None	2535	146	-0.02	0.39	0.22	0.48	0.26	ErC-Lear-150916-14
Ant 1	PMNN4472B Standard	LEAR	Tilt	None	2535	146	-0.07	0.15	0.08	0.18	0.09	ErC-Lear-150916-15
Assessment at the head – extended battery												
Ant 1	PMNN4475B Extended	REAR	Touch	None	2560.0	180	-0.12	0.88	0.44	0.91	0.46	ErC-Rear-150916-10

E.7 Assessments at LTE B8 (880 – 915MHz)

E.7.1 Output Power Data

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

Table E.36

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 8	10 MHz 50 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	3500	21500	885.0	22.61
			1	middle	Low	3500	21500	885.0	22.43
			1	upper	Low	3500	21500	885.0	22.39
			1	lower	Mid	3625	21625	897.5	22.46
			1	middle	Mid	3625	21625	897.5	22.59
			1	upper	Mid	3625	21625	897.5	22.59
			1	lower	High	3750	21750	910.0	22.67
			1	middle	High	3750	21750	910.0	22.78
			1	upper	High	3750	21750	910.0	22.84
		25 Block QPSK I_MCS 5	50%	lower	Low	3500	21500	885.0	22.66
			50%	middle	Low	3500	21500	885.0	22.61
			50%	upper	Low	3500	21500	885.0	22.63
			50%	lower	Mid	3625	21625	897.5	22.58
			50%	middle	Mid	3625	21625	897.5	22.55
			50%	upper	Mid	3625	21625	897.5	22.37
			50%	lower	High	3750	21750	910.0	22.73
			50%	middle	High	3750	21750	910.0	22.82
			50%	upper	High	3750	21750	910.0	22.93
		50 Blocks QPSK I_MCS 5	100%	lower	Low	3500	21500	885.0	22.62
			100%	lower	Mid	3625	21625	897.5	22.64
			100%	lower	High	3750	21750	910.0	22.84
		1 Block 16 QAM I_MCS 12	1	lower	Low	3500	21500	885.0	22.51
			1	middle	Low	3500	21500	885.0	22.40
			1	upper	Low	3500	21500	885.0	22.29
			1	lower	Mid	3625	21625	897.5	22.61
			1	middle	Mid	3625	21625	897.5	22.89
			1	upper	Mid	3625	21625	897.5	22.70
			1	lower	High	3750	21750	910.0	22.73
			1	middle	High	3750	21750	910.0	22.86
			1	upper	High	3750	21750	910.0	22.64
		25 Block 16 QAM I_MCS 12	50%	lower	Low	3500	21500	885.0	21.69
			50%	middle	Low	3500	21500	885.0	21.63
			50%	upper	Low	3500	21500	885.0	21.64
			50%	lower	Mid	3625	21625	897.5	21.78
			50%	middle	Mid	3625	21625	897.5	21.77
			50%	upper	Mid	3625	21625	897.5	21.87
			50%	lower	High	3750	21750	910.0	21.69
			50%	middle	High	3750	21750	910.0	21.86
			50%	upper	High	3750	21750	910.0	21.90
		50 Blocks 16 QAM I_MCS 12	100%	lower	Low	3500	21500	885.0	21.68
			100%	lower	Mid	3625	21625	897.5	21.64
			100%	lower	High	3750	21750	910.0	21.82

Table E.37

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 8	5 MHz 25 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	3475	21475	882.5	22.57
			1	middle	Low	3475	21475	882.5	22.54
			1	upper	Low	3475	21475	882.5	22.53
			1	lower	Mid	3625	21625	897.5	22.58
			1	middle	Mid	3625	21625	897.5	22.67
			1	upper	Mid	3625	21625	897.5	22.55
			1	lower	High	3775	21775	912.5	22.85
			1	middle	High	3775	21775	912.5	22.75
			1	upper	High	3775	21775	912.5	22.77
		12 Block QPSK I_MCS 5	50%	lower	Low	3475	21475	882.5	22.63
			50%	middle	Low	3475	21475	882.5	22.66
			50%	upper	Low	3475	21475	882.5	22.61
			50%	lower	Mid	3625	21625	897.5	22.63
			50%	middle	Mid	3625	21625	897.5	22.71
			50%	upper	Mid	3625	21625	897.5	22.57
			50%	lower	High	3775	21775	912.5	22.93
			50%	middle	High	3775	21775	912.5	22.89
			50%	upper	High	3775	21775	912.5	22.92
		25 Blocks QPSK I_MCS 5	100%	lower	Low	3475	21475	882.5	22.66
			100%	lower	Mid	3625	21625	897.5	22.58
			100%	lower	High	3775	21775	912.5	22.90
		1 Block 16 QAM I_MCS 12	1	lower	Low	3475	21475	882.5	22.75
			1	middle	Low	3475	21475	882.5	22.71
			1	upper	Low	3475	21475	882.5	22.68
			1	lower	Mid	3625	21625	897.5	22.37
			1	middle	Mid	3625	21625	897.5	22.34
			1	upper	Mid	3625	21625	897.5	22.24
			1	lower	High	3775	21775	912.5	22.71
			1	middle	High	3775	21775	912.5	22.63
			1	upper	High	3775	21775	912.5	22.54
		12 Block 16 QAM I_MCS 12	50%	lower	Low	3475	21475	882.5	21.51
			50%	middle	Low	3475	21475	882.5	21.56
			50%	upper	Low	3475	21475	882.5	21.47
			50%	lower	Mid	3625	21625	897.5	21.65
			50%	middle	Mid	3625	21625	897.5	21.47
			50%	upper	Mid	3625	21625	897.5	21.58
			50%	lower	High	3775	21775	912.5	21.89
			50%	middle	High	3775	21775	912.5	21.97
			50%	upper	High	3775	21775	912.5	21.93
		25 Blocks 16 QAM I_MCS 12	100%	lower	Low	3475	21475	882.5	21.66
			100%	lower	Mid	3625	21625	897.5	21.63
			100%	lower	High	3775	21775	912.5	21.92

Table E.38

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 8	3 MHz 15 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	3465	21465	881.5	22.61
			1	middle	Low	3465	21465	881.5	22.50
			1	upper	Low	3465	21465	881.5	22.51
			1	lower	Mid	3625	21625	897.5	22.61
			1	middle	Mid	3625	21625	897.5	22.68
			1	upper	Mid	3625	21625	897.5	22.62
			1	lower	High	3785	21785	913.5	22.83
			1	middle	High	3785	21785	913.5	22.81
			1	upper	High	3785	21785	913.5	22.76
		8 Block QPSK I_MCS 5	50%	lower	Low	3465	21465	881.5	22.60
			50%	middle	Low	3465	21465	881.5	22.66
			50%	upper	Low	3465	21465	881.5	22.57
			50%	lower	Mid	3625	21625	897.5	22.68
			50%	middle	Mid	3625	21625	897.5	22.70
			50%	upper	Mid	3625	21625	897.5	22.73
			50%	lower	High	3785	21785	913.5	22.92
			50%	middle	High	3785	21785	913.5	22.91
			50%	upper	High	3785	21785	913.5	22.89
		15 Blocks QPSK I_MCS 5	100%	lower	Low	3465	21465	881.5	22.62
			100%	lower	Mid	3625	21625	897.5	22.69
			100%	lower	High	3785	21785	913.5	22.94
		1 Block 16 QAM I_MCS 12	1	lower	Low	3465	21465	881.5	22.75
			1	middle	Low	3465	21465	881.5	22.60
			1	upper	Low	3465	21465	881.5	22.68
			1	lower	Mid	3625	21625	897.5	22.67
			1	middle	Mid	3625	21625	897.5	22.78
			1	upper	Mid	3625	21625	897.5	22.75
			1	lower	High	3785	21785	913.5	22.90
			1	middle	High	3785	21785	913.5	22.52
			1	upper	High	3785	21785	913.5	22.73
		8 Block 16 QAM I_MCS 12	50%	lower	Low	3465	21465	881.5	21.79
			50%	middle	Low	3465	21465	881.5	21.70
			50%	upper	Low	3465	21465	881.5	21.75
			50%	lower	Mid	3625	21625	897.5	21.79
			50%	middle	Mid	3625	21625	897.5	21.74
			50%	upper	Mid	3625	21625	897.5	21.78
			50%	lower	High	3785	21785	913.5	22.00
			50%	middle	High	3785	21785	913.5	21.98
			50%	upper	High	3785	21785	913.5	21.98
		15 Blocks 16 QAM I_MCS 12	100%	lower	Low	3465	21465	881.5	21.72
			100%	lower	Mid	3625	21625	897.5	21.70
			100%	lower	High	3785	21785	913.5	21.93

Table E.39

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 8	1.4 MHz 6 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	3457	21475	880.7	22.65
			1	middle	Low	3457	21457	880.7	22.56
			1	upper	Low	3457	21457	880.7	22.58
			1	lower	Mid	3625	21625	897.5	22.72
			1	middle	Mid	3625	21625	897.5	22.64
			1	upper	Mid	3625	21625	897.5	22.64
			1	lower	High	3793	21793	914.3	22.87
			1	middle	High	3793	21793	914.3	22.85
			1	upper	High	3793	21793	914.3	22.84
		3 Block QPSK I_MCS 5	50%	lower	Low	3457	21475	880.7	22.61
			50%	middle	Low	3457	21457	880.7	22.15
			50%	upper	Low	3457	21457	880.7	22.61
			50%	lower	Mid	3625	21625	897.5	22.67
			50%	middle	Mid	3625	21625	897.5	22.19
			50%	upper	Mid	3625	21625	897.5	22.64
			50%	lower	High	3793	21793	914.3	22.91
			50%	middle	High	3793	21793	914.3	22.32
			50%	upper	High	3793	21793	914.3	22.92
		6 Blocks QPSK I_MCS 5	100%	lower	Low	3457	21457	880.7	22.68
			100%	lower	Mid	3625	21625	897.5	22.72
			100%	lower	High	3793	21793	914.3	22.93
		1 Block 16 QAM I_MCS 12	1	lower	Low	3457	21475	880.7	22.75
			1	middle	Low	3457	21457	880.7	22.64
			1	upper	Low	3457	21457	880.7	22.65
			1	lower	Mid	3625	21625	897.5	22.76
			1	middle	Mid	3625	21625	897.5	22.77
			1	upper	Mid	3625	21625	897.5	22.71
			1	lower	High	3793	21793	914.3	22.76
			1	middle	High	3793	21793	914.3	23.12
			1	upper	High	3793	21793	914.3	23.07
		3 Block 16 QAM I_MCS 12	50%	lower	Low	3457	21475	880.7	22.51
			50%	middle	Low	3457	21457	880.7	22.05
			50%	upper	Low	3457	21457	880.7	22.49
			50%	lower	Mid	3625	21625	897.5	22.69
			50%	middle	Mid	3625	21625	897.5	22.46
			50%	upper	Mid	3625	21625	897.5	22.72
			50%	lower	High	3793	21793	914.3	22.98
			50%	middle	High	3793	21793	914.3	22.71
			50%	upper	High	3793	21793	914.3	22.95
		6 Blocks 16 QAM I_MCS 12	100%	lower	Low	3457	21457	880.7	21.82
			100%	lower	Mid	3625	21625	897.5	21.84
			100%	lower	High	3793	21793	914.3	21.94

E.7.2 Assessments at the Body

Table below presents the data of the body assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.40

Assessments at the Body (LTE B8) 880 – 915MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at body – 1 RB, 10MHz BW Ch.												
Ant 2	PMNN4472B Standard	Body	HKLN4618A back	None	910	192	-0.07	0.27	0.18	0.36	0.24	ErC-Ab-150816-11
Ant 2	PMNN4472B Standard	Body	HKLN4618A front	None	910	192	-0.06	0.21	0.14	0.28	0.19	ErC-Ab-150816-13
Assessment at body – 50% RB, 10MHz BW Ch.												
Ant 2	PMNN4472B Standard	Body	HKLN4618A back	None	910	196	-0.02	0.27	0.18	0.34	0.23	ErC-Ab-150816-12
Ant 2	PMNN4472B Standard	Body	HKLN4618A front	None	910	196	0.03	0.22	0.15	0.28	0.19	ErC-Ab-150816-14
Assessment at the body – extended battery												
Ant 2	PMNN4475B Extended	Body	HKLN4618A back	None	910	192	-0.04	0.20	0.14	0.27	0.18	ErC-Ab-150816-15

E.7.3 Assessments for hot spot mode

Table below presents the data of the hot spot assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.41

Assessments at the Body (LTE B8) 880 – 915MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at body – 1 RB, 10MHz BW Ch.												
Ant 2	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	910	192	-0.03	0.46	0.33	0.61	0.44	ErC-Ab-150816-16
Ant 2	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	910	192	-0.85	0.25	0.16	0.39	0.25	ErC-Ab-150816-17
Ant 2	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	910	192	0.00	0.15	0.10	0.19	0.13	ErC-Ab-150816-21
Ant 2	PMNN4472B Standard	Body	Left side of DUT @ 1cm	None	910	192	-0.04	0.14	0.08	0.18	0.11	ErC-Ab-150816-22
Ant 2	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	910	192	-0.03	0.21	0.15	0.28	0.19	ErC-Ab-150820-08
Assessment at body – 50% RB, 10MHz BW Ch.												
Ant 2	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	910	196	0.01	0.48	0.35	0.62	0.45	ErC-Ab-150816-18
Ant 2	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	910	196	-0.06	0.39	0.28	0.51	0.36	ErC-Ab-150816-19
Ant 2	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	910	196	0.06	0.15	0.10	0.20	0.13	ErC-Ab-150816-20
Ant 2	PMNN4472B Standard	Body	Left side of DUT @ 1cm	None	910	196	0.02	0.14	0.09	0.18	0.11	ErC-Ab-150816-23
Ant 2	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	910	196	-0.06	0.22	0.15	0.29	0.20	ErC-Ab-150820-09
Assessment at the body – extended battery												
Ant 2	PMNN4475B Extended	Body	Back of DUT @ 1cm	None	910	196	0.08	0.36	0.26	0.46	0.34	ErC-Ab-150816-24

E.7.4 Assessments at the Head

Table below presents the data of the head assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.42

Assessments at the Head (LTE B8) 880 – 915MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at right ear – 1 RB, 10MHz BW Ch.												
Ant 2	PMNN4472B Standard	REAR	Touch	None	910	192	-0.04	0.35	0.26	0.46	0.34	ErC-Rear-150821-19
Ant 2	PMNN4472B Standard	REAR	Tilt	None	910	192	-0.13	0.20	0.15	0.27	0.20	ErC-Rear-150821-20
Assessment at right ear – 50% RB, 10MHz BW Ch.												
Ant 2	PMNN4472B Standard	REAR	Touch	None	910	196	-0.03	0.37	0.28	0.48	0.36	ErC-Rear-150821-21
Ant 2	PMNN4472B Standard	REAR	Tilt	None	910	196	0.03	0.20	0.15	0.26	0.20	ErC-Rear-150821-22
Assessment at left ear – 1 RB, 10MHz BW Ch.												
Ant 2	PMNN4472B Standard	LEAR	Touch	None	910	192	-0.10	0.32	0.24	0.43	0.32	ErC-Lear-150821-03
Ant 2	PMNN4472B Standard	LEAR	Tilt	None	910	192	0.10	0.20	0.15	0.26	0.19	ErC-Lear-150821-04
Assessment at left ear – 50% RB, 10MHz BW Ch.												
Ant 2	PMNN4472B Standard	LEAR	Touch	None	910	196	-0.11	0.33	0.25	0.44	0.33	ErC-Lear-150821-05
Ant 2	PMNN4472B Standard	LEAR	Tilt	None	910	196	0.12	0.21	0.16	0.27	0.20	ErC-Lear-150821-06
Assessment at the head – extended battery												
Ant 2	PMNN4475B Extended	REAR	Touch	None	910	196	-0.12	0.30	0.23	0.40	0.30	ErC-Rear-150821-27

E.8 Assessments at LTE B20 (832 – 862MHz)

E.8.1 Output Power Data

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

Table E.43

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 20	20 MHz 100 Blocks	1 Block QPSK I_MCS 5 50 Blocks	1	lower	Mid	6300	24300	847.0	23.41
			1	middle	Mid	6300	24300	847.0	23.17
			1	upper	Mid	6300	24300	847.0	23.21
			50%	lower	Mid	6300	24300	847.0	23.18
			50%	middle	Mid	6300	24300	847.0	23.20
			50%	upper	Mid	6300	24300	847.0	23.30
		100 Blocks	100%	lower	Mid	6300	24300	847.0	23.20
			100%	middle	Mid	6300	24300	847.0	23.20
		1 Block 16 QAM I_MCS 12 50 Blocks	1	lower	Mid	6300	24300	847.0	23.39
			1	middle	Mid	6300	24300	847.0	23.29
			1	upper	Mid	6300	24300	847.0	23.27
			50%	lower	Mid	6300	24300	847.0	22.21
			50%	middle	Mid	6300	24300	847.0	22.28
			50%	upper	Mid	6300	24300	847.0	22.29
		100 Blocks	100%	lower	Mid	6300	24300	847.0	22.29
			100%	middle	Mid	6300	24300	847.0	22.29

Table E.44

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 20	15 MHz 75 Blocks	1 Block QPSK I_MCS 5 36 Blocks	1	lower	Mid	6300	24300	847.0	23.37
			1	middle	Mid	6300	24300	847.0	23.08
			1	upper	Mid	6300	24300	847.0	23.05
			50%	lower	Mid	6300	24300	847.0	23.20
			50%	middle	Mid	6300	24300	847.0	23.25
			50%	upper	Mid	6300	24300	847.0	23.17
		75 Blocks	100%	lower	Mid	6300	24300	847.0	23.29
			100%	middle	Mid	6300	24300	847.0	23.29
		1 Block 16 QAM I_MCS 12 36 Blocks	1	lower	Mid	6300	24300	847.0	23.04
			1	middle	Mid	6300	24300	847.0	22.91
			1	upper	Mid	6300	24300	847.0	23.07
			50%	lower	Mid	6300	24300	847.0	22.26
			50%	middle	Mid	6300	24300	847.0	22.21
			50%	upper	Mid	6300	24300	847.0	22.25
		75 Blocks	100%	lower	Mid	6300	24300	847.0	22.30
			100%	middle	Mid	6300	24300	847.0	22.30

Table E.45

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 20	10 MHz 50 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	6200	24200	837.0	23.33
			1	middle	Low	6200	24200	837.0	23.13
			1	upper	Low	6200	24200	837.0	22.97
			1	lower	Mid	6300	24300	847.0	23.35
			1	middle	Mid	6300	24300	847.0	23.11
			1	upper	Mid	6300	24300	847.0	23.25
			1	lower	High	6400	24400	857.0	22.96
			1	middle	High	6400	24400	857.0	23.03
			1	upper	High	6400	24400	852.0	23.08
		25 Block QPSK I_MCS 5	50%	lower	Low	6200	24200	837.0	23.28
			50%	middle	Low	6200	24200	837.0	23.26
			50%	upper	Low	6200	24200	837.0	23.27
			50%	lower	Mid	6300	24300	847.0	23.22
			50%	middle	Mid	6300	24300	847.0	23.18
			50%	upper	Mid	6300	24300	847.0	23.25
			50%	lower	High	6400	24400	857.0	23.20
			50%	middle	High	6400	24400	857.0	23.17
			50%	upper	High	6400	24400	852.0	23.13
		50 Blocks QPSK I_MCS 5	100%	lower	Low	6200	24200	837.0	23.26
			100%	lower	Mid	6300	24300	847.0	23.14
			100%	lower	High	6400	24400	857.0	23.20
		1 Block 16 QAM I_MCS 12	1	lower	Low	6200	24200	837.0	23.56
			1	middle	Low	6200	24200	837.0	23.18
			1	upper	Low	6200	24200	837.0	23.33
			1	lower	Mid	6300	24300	847.0	23.21
			1	middle	Mid	6300	24300	847.0	23.14
			1	upper	Mid	6300	24300	847.0	23.20
			1	lower	High	6400	24400	857.0	22.85
			1	middle	High	6400	24400	857.0	22.85
			1	upper	High	6400	24400	852.0	23.01
		25 Block 16 QAM I_MCS 12	50%	lower	Low	6200	24200	837.0	22.38
			50%	middle	Low	6200	24200	837.0	22.38
			50%	upper	Low	6200	24200	837.0	22.36
			50%	lower	Mid	6300	24300	847.0	22.20
			50%	middle	Mid	6300	24300	847.0	22.21
			50%	upper	Mid	6300	24300	847.0	22.21
			50%	lower	High	6400	24400	857.0	22.30
			50%	middle	High	6400	24400	857.0	22.20
			50%	upper	High	6400	24400	852.0	22.19
		50 Blocks 16 QAM I_MCS 12	100%	lower	Low	6200	24200	837.0	22.27
			100%	lower	Mid	6300	24300	847.0	22.19
			100%	lower	High	6400	24400	857.0	22.28

Table E.46

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 20	5 MHz 25 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	6175	24175	834.5	23.38
			1	middle	Low	6175	24175	834.5	23.39
			1	upper	Low	6175	24175	834.5	23.16
			1	lower	Mid	6300	24300	847.0	23.17
			1	middle	Mid	6300	24300	847.0	23.21
			1	upper	Mid	6300	24300	847.0	23.19
			1	lower	High	6425	24425	859.5	22.99
			1	middle	High	6425	24425	859.5	23.03
			1	upper	High	6425	24425	859.5	23.05
		12 Block QPSK I_MCS 5	50%	lower	Low	6175	24175	834.5	23.37
			50%	middle	Low	6175	24175	834.5	23.25
			50%	upper	Low	6175	24175	834.5	23.16
			50%	lower	Mid	6300	24300	847.0	23.23
			50%	middle	Mid	6300	24300	847.0	23.11
			50%	upper	Mid	6300	24300	847.0	23.14
			50%	lower	High	6425	24425	859.5	23.28
			50%	middle	High	6425	24425	859.5	23.14
			50%	upper	High	6425	24425	859.5	23.13
		25 Blocks QPSK I_MCS 5	100%	lower	Low	6175	24175	834.5	23.20
			100%	lower	Mid	6300	24300	847.0	23.17
			100%	lower	High	6425	24425	859.5	23.09
		1 Block 16 QAM I_MCS 12	1	lower	Low	6175	24175	834.5	23.50
			1	middle	Low	6175	24175	834.5	23.43
			1	upper	Low	6175	24175	834.5	23.36
			1	lower	Mid	6300	24300	847.0	22.99
			1	middle	Mid	6300	24300	847.0	22.92
			1	upper	Mid	6300	24300	847.0	22.89
			1	lower	High	6425	24425	859.5	22.90
			1	middle	High	6425	24425	859.5	22.95
			1	upper	High	6425	24425	859.5	22.95
		12 Block 16 QAM I_MCS 12	50%	lower	Low	6175	24175	834.5	22.25
			50%	middle	Low	6175	24175	834.5	22.17
			50%	upper	Low	6175	24175	834.5	22.06
			50%	lower	Mid	6300	24300	847.0	22.18
			50%	middle	Mid	6300	24300	847.0	22.17
			50%	upper	Mid	6300	24300	847.0	22.19
			50%	lower	High	6425	24425	859.5	22.37
			50%	middle	High	6425	24425	859.5	22.23
			50%	upper	High	6425	24425	859.5	22.21
		25 Blocks 16 QAM I_MCS 12	100%	lower	Low	6175	24175	834.5	22.23
			100%	lower	Mid	6300	24300	847.0	22.23
			100%	lower	High	6425	24425	859.5	22.13

E.8.2 Assessments at the Body

Table below presents the data of the body assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.47

Assessments at the Body (LTE B20) 832 – 862MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at body – 1 RB, 20MHz BW Ch.												
Ant 2	PMNN4472B Standard	Body	HKLN4618A back	None	847	219	-0.02	0.35	0.25	0.41	0.28	ErC-Ab-150816-25
Ant 2	PMNN4472B Standard	Body	HKLN4618A front	None	847	219	0.00	0.30	0.21	0.35	0.24	ErC-Ab-150816-27
Assessment at body – 50% RB, 20MHz BW Ch.												
Ant 2	PMNN4472B Standard	Body	HKLN4618A back	None	847	214	0.02	0.34	0.24	0.40	0.28	ErC-Ab-150816-26
Ant 2	PMNN4472B Standard	Body	HKLN4618A front	None	847	214	-0.01	0.28	0.19	0.33	0.23	ErC-Ab-150816-28
Assessment at the body – extended battery												
Ant 2	PMNN4475B Extended	Body	HKLN4618A back	None	847	219	-0.04	0.29	0.21	0.34	0.24	ErC-Ab-150816-29

E.8.3 Assessments for hot spot mode

Table below presents the data of the hot spot assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.48

Assessments at the Body (LTE B20) 832 – 862MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at body – 1 RB, 20MHz BW Ch.												
Ant 2	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	847	219	0.00	0.64	0.48	0.73	0.55	ErC-Ab-150818-18
Ant 2	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	847	219	-0.12	0.49	0.37	0.58	0.43	ErC-Ab-150818-19
Ant 2	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	847	219	0.32	0.14	0.10	0.16	0.11	ErC-Ab-150818-23
Ant 2	PMNN4472B Standard	Body	Left side of DUT @ 1cm	None	847	219	-0.32	0.38	0.24	0.47	0.30	ErC-Ab-150818-24
Ant 2	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	847	219	-0.02	0.32	0.22	0.36	0.25	ErC-Ab-150820-04
Assessment at body – 50% RB, 20MHz BW Ch.												
Ant 2	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	847	214	0.19	0.60	0.45	0.71	0.53	ErC-Ab-150818-20
Ant 2	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	847	214	0.02	0.44	0.33	0.52	0.39	ErC-Ab-150818-21
Ant 2	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	847	214	-0.03	0.15	0.10	0.17	0.12	ErC-Ab-150818-22
Ant 2	PMNN4472B Standard	Body	Left side of DUT @ 1cm	None	847	214	-0.03	0.33	0.23	0.39	0.28	ErC-Ab-150818-25
Ant 2	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	847	214	-0.01	0.35	0.25	0.41	0.29	ErC-Ab-150820-05
Assessment at the body – extended battery												
Ant 2	PMNN4475B Extended	Body	Back of DUT @ 1cm	None	847	219	-0.01	0.53	0.40	0.61	0.46	ErC-Ab-150818-26

E.8.4 Assessments at the Head

Table below presents the data of the head assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.49

Assessments at the Head (LTE B20) 832 – 862MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at right ear – 1 RB, 20MHz BW Ch.												
Ant 2	PMNN4472B Standard	REAR	Touch	None	847	219	-0.04	0.38	0.29	0.44	0.34	ErC-Rear-150821-23
Ant 2	PMNN4472B Standard	REAR	Tilt	None	847	219	0.00	0.25	0.19	0.29	0.22	ErC-Rear-150821-24
Assessment at right ear – 50% RB, 20MHz BW Ch.												
Ant 2	PMNN4472B Standard	REAR	Touch	None	847	214	0.02	0.33	0.26	0.39	0.30	ErC-Rear-150821-25
Ant 2	PMNN4472B Standard	REAR	Tilt	None	847	214	0.06	0.23	0.17	0.27	0.20	ErC-Rear-150821-26
Assessment at left ear – 1 RB, 20MHz BW Ch.												
Ant 2	PMNN4472B Standard	LEAR	Touch	None	847	219	-0.10	0.39	0.30	0.46	0.35	ErC-Lear-150821-07
Ant 2	PMNN4472B Standard	LEAR	Tilt	None	847	219	0.10	0.28	0.21	0.32	0.24	ErC-Lear-150821-08
Assessment at left ear – 50% RB, 20MHz BW Ch.												
Ant 2	PMNN4472B Standard	LEAR	Touch	None	847	214	-0.15	0.35	0.27	0.43	0.32	ErC-Lear-150821-09
Ant 2	PMNN4472B Standard	LEAR	Tilt	None	847	214	0.13	0.24	0.18	0.28	0.21	ErC-Lear-150821-10
Assessment at the head – extended battery												
Ant 2	PMNN4475B Extended	LEAR	Touch	None	847	219	-0.10	0.39	0.30	0.46	0.35	ErC-Lear-150821-28

E.9 Assessments at LTE B26 (814 – 849MHz)

E.9.1 Output Power Data

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

Table E.50

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 26	15 MHz 75 Blocks	1 Block QPSK I_MCS 5	1	lower	Mid	8865	26865	831.5	22.98
			1	middle	Mid	8865	26865	831.5	22.76
			1	upper	Mid	8865	26865	831.5	22.69
			50%	lower	Mid	8865	26865	831.5	23.10
			50%	middle	Mid	8865	26865	831.5	23.00
			50%	upper	Mid	8865	26865	831.5	22.92
		36 Blocks 75 Blocks	100%	lower	Mid	8865	26865	831.5	23.00
		1 Block 16 QAM I_MCS 12	1	lower	Mid	8865	26865	831.5	22.98
			1	middle	Mid	8865	26865	831.5	22.86
			1	upper	Mid	8865	26865	831.5	22.68
			50%	lower	Mid	8865	26865	831.5	22.11
			50%	middle	Mid	8865	26865	831.5	22.08
			50%	upper	Mid	8865	26865	831.5	21.97
		36 Blocks 75 Blocks	100%	lower	Mid	8865	26865	831.5	22.03

Table E.51

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 26	10 MHz 50 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	8740	26740	819.0	23.15
			1	middle	Low	8740	26740	819.0	23.00
			1	upper	Low	8740	26740	819.0	22.95
			1	lower	Mid	8865	26865	831.5	22.96
			1	middle	Mid	8865	26865	831.5	22.86
			1	upper	Mid	8865	26865	831.5	22.87
			1	lower	High	8990	26990	844.0	22.62
			1	middle	High	8990	26990	844.0	22.63
			1	upper	High	8990	26990	844.0	22.49
		25 Block QPSK I_MCS 5	50%	lower	Low	8740	26740	819.0	23.14
			50%	middle	Low	8740	26740	819.0	23.18
			50%	upper	Low	8740	26740	819.0	23.01
			50%	lower	Mid	8865	26865	831.5	22.97
			50%	middle	Mid	8865	26865	831.5	22.91
			50%	upper	Mid	8865	26865	831.5	22.87
			50%	lower	High	8990	26990	844.0	22.68
			50%	middle	High	8990	26990	844.0	22.66
			50%	upper	High	8990	26990	844.0	22.60
		50 Blocks QPSK I_MCS 5	100%	lower	Low	8740	26740	819.0	22.17
			100%	lower	Mid	8865	26865	831.5	23.06
			100%	lower	High	8990	26990	844.0	22.73
		1 Block 16 QAM I_MCS 12	1	lower	Low	8740	26740	819.0	23.28
			1	middle	Low	8740	26740	819.0	23.27
			1	upper	Low	8740	26740	819.0	23.06
			1	lower	Mid	8865	26865	831.5	23.15
			1	middle	Mid	8865	26865	831.5	22.97
			1	upper	Mid	8865	26865	831.5	23.04
			1	lower	High	8990	26990	844.0	22.54
			1	middle	High	8990	26990	844.0	22.73
			1	upper	High	8990	26990	844.0	22.35
		25 Block 16 QAM I_MCS 12	50%	lower	Low	8740	26740	819.0	22.38
			50%	middle	Low	8740	26740	819.0	22.33
			50%	upper	Low	8740	26740	819.0	22.21
			50%	lower	Mid	8865	26865	831.5	22.04
			50%	middle	Mid	8865	26865	831.5	21.98
			50%	upper	Mid	8865	26865	831.5	21.95
			50%	lower	High	8990	26990	844.0	21.77
			50%	middle	High	8990	26990	844.0	21.84
			50%	upper	High	8990	26990	844.0	21.73
		50 Blocks 16 QAM I_MCS 12	100%	lower	Low	8740	26740	819.0	22.20
			100%	lower	Mid	8865	26865	831.5	22.07
			100%	lower	High	8990	26990	844.0	21.76

Table E.52

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 26	5 MHz 25 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	8715	26715	816.5	23.25
			1	middle	Low	8715	26715	816.5	23.10
			1	upper	Low	8715	16715	816.5	23.23
			1	lower	Mid	8865	26865	831.5	23.02
			1	middle	Mid	8865	26865	831.5	22.82
			1	upper	Mid	8865	26865	831.5	22.88
			1	lower	High	9015	20715	846.5	22.65
			1	middle	High	9015	20715	846.5	22.59
			1	upper	High	9015	20715	846.5	22.54
		12 Block QPSK I_MCS 5	50%	lower	Low	8715	26715	816.5	23.25
			50%	middle	Low	8715	26715	816.5	23.21
			50%	upper	Low	8715	16715	816.5	23.12
			50%	lower	Mid	8865	26865	831.5	22.99
			50%	middle	Mid	8865	26865	831.5	22.86
			50%	upper	Mid	8865	26865	831.5	22.88
			50%	lower	High	9015	20715	846.5	22.61
			50%	middle	High	9015	20715	846.5	22.62
			50%	upper	High	9015	20715	846.5	22.58
		25 Blocks QPSK I_MCS 5	100%	lower	Low	8715	26740	816.5	22.22
			100%	lower	Mid	8865	26865	831.5	22.85
			100%	lower	High	9015	20715	846.5	22.60
		1 Block 16 QAM I_MCS 12	1	lower	Low	8715	26715	816.5	23.32
			1	middle	Low	8715	26715	816.5	23.19
			1	upper	Low	8715	16715	816.5	23.23
			1	lower	Mid	8865	26865	831.5	23.08
			1	middle	Mid	8865	26865	831.5	22.56
			1	upper	Mid	8865	26865	831.5	22.60
			1	lower	High	9015	20715	846.5	22.55
			1	middle	High	9015	20715	846.5	22.37
			1	upper	High	9015	20715	846.5	22.44
		12 Block 16 QAM I_MCS 12	50%	lower	Low	8715	26715	816.5	22.09
			50%	middle	Low	8715	26715	816.5	22.05
			50%	upper	Low	8715	16715	816.5	22.05
			50%	lower	Mid	8865	26865	831.5	22.04
			50%	middle	Mid	8865	26865	831.5	21.92
			50%	upper	Mid	8865	26865	831.5	21.92
			50%	lower	High	9015	20715	846.5	21.67
			50%	middle	High	9015	20715	846.5	21.67
			50%	upper	High	9015	20715	846.5	21.68
		25 Blocks 16 QAM I_MCS 12	100%	lower	Low	8715	26740	816.5	22.13
			100%	lower	Mid	8865	26865	831.5	21.98
			100%	lower	High	9015	20715	846.5	21.63

Table E.53

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 26	3 MHz 15 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	8705	26705	815.5	23.21
			1	middle	Low	8705	26705	815.5	23.06
			1	upper	Low	8705	26705	815.5	23.19
			1	lower	Mid	8865	26865	831.5	22.89
			1	middle	Mid	8865	26865	831.5	22.85
			1	upper	Mid	8865	26865	831.5	22.91
			1	lower	High	9025	27025	847.5	22.57
			1	middle	High	9025	27025	847.5	22.44
			1	upper	High	9025	27025	847.5	22.60
		8 Block QPSK I_MCS 5	50%	lower	Low	8705	26705	815.5	23.22
			50%	middle	Low	8705	26705	815.5	23.15
			50%	upper	Low	8705	26705	815.5	23.15
			50%	lower	Mid	8865	26865	831.5	22.89
			50%	middle	Mid	8865	26865	831.5	22.89
			50%	upper	Mid	8865	26865	831.5	22.90
			50%	lower	High	9025	27025	847.5	22.60
			50%	middle	High	9025	27025	847.5	22.60
			50%	upper	High	9025	27025	847.5	22.58
		15 Blocks QPSK I_MCS 5	100%	lower	Low	8705	26705	815.5	23.19
			100%	lower	Mid	8865	26865	831.5	22.93
			100%	lower	High	9025	27025	847.5	22.60
		1 Block 16 QAM I_MCS 12	1	lower	Low	8705	26705	815.5	23.24
			1	middle	Low	8705	26705	815.5	23.33
			1	upper	Low	8705	26705	815.5	23.27
			1	lower	Mid	8865	26865	831.5	23.12
			1	middle	Mid	8865	26865	831.5	22.95
			1	upper	Mid	8865	26865	831.5	23.01
			1	lower	High	9025	27025	847.5	22.45
			1	middle	High	9025	27025	847.5	22.55
			1	upper	High	9025	27025	847.5	22.42
		8 Block 16 QAM I_MCS 12	50%	lower	Low	8705	26705	815.5	22.35
			50%	middle	Low	8705	26705	815.5	22.29
			50%	upper	Low	8705	26705	815.5	22.29
			50%	lower	Mid	8865	26865	831.5	22.04
			50%	middle	Mid	8865	26865	831.5	21.93
			50%	upper	Mid	8865	26865	831.5	21.97
			50%	lower	High	9025	27025	847.5	21.72
			50%	middle	High	9025	27025	847.5	21.71
			50%	upper	High	9025	27025	847.5	21.69
		15 Blocks 16 QAM I_MCS 12	100%	lower	Low	8705	26705	815.5	22.24
			100%	lower	Mid	8865	26865	831.5	21.96
			100%	lower	High	9025	27025	847.5	21.70

Table E.54

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 26	1.4 6 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	8697	26697	814.7	22.15
			1	middle	Low	8697	26697	814.7	22.49
			1	upper	Low	8697	26697	814.7	22.06
			1	lower	Mid	8865	26865	831.5	22.89
			1	middle	Mid	8865	26865	831.5	22.82
			1	upper	Mid	8865	26865	831.5	22.76
			1	lower	High	9033	27033	848.3	22.55
			1	middle	High	9033	27033	848.3	22.52
			1	upper	High	9033	27033	848.3	22.52
		3 Block QPSK I_MCS 5	50%	lower	Low	8697	26697	814.7	23.23
			50%	middle	Low	8697	26697	814.7	23.10
			50%	upper	Low	8697	26697	814.7	23.21
			50%	lower	Mid	8865	26865	831.5	22.89
			50%	middle	Mid	8865	26865	831.5	22.56
			50%	upper	Mid	8865	26865	831.5	22.92
			50%	lower	High	9033	27033	848.3	22.55
			50%	middle	High	9033	27033	848.3	22.14
			50%	upper	High	9033	27033	848.3	22.53
		6 Blocks QPSK I_MCS 5	100%	lower	Low	8697	26697	814.7	23.25
			100%	lower	Mid	8865	26865	831.5	22.91
			100%	lower	High	9033	27033	848.3	22.62
		1 Block 16 QAM I_MCS 12	1	lower	Low	8697	26697	814.7	23.23
			1	middle	Low	8697	26697	814.7	23.32
			1	upper	Low	8697	26697	814.7	23.05
			1	lower	Mid	8865	26865	831.5	22.92
			1	middle	Mid	8865	26865	831.5	22.99
			1	upper	Mid	8865	26865	831.5	22.95
			1	lower	High	9033	27033	848.3	22.67
			1	middle	High	9033	27033	848.3	22.66
			1	upper	High	9033	27033	848.3	22.67
		3 Block 16 QAM I_MCS 12	50%	lower	Low	8697	26697	814.7	23.01
			50%	middle	Low	8697	26697	814.7	22.89
			50%	upper	Low	8697	26697	814.7	23.04
			50%	lower	Mid	8865	26865	831.5	22.98
			50%	middle	Mid	8865	26865	831.5	22.76
			50%	upper	Mid	8865	26865	831.5	22.91
			50%	lower	High	9033	27033	848.3	22.40
			50%	middle	High	9033	27033	848.3	22.15
			50%	upper	High	9033	27033	848.3	22.42
		6 Blocks 16 QAM I_MCS 12	100%	lower	Low	8697	26697	814.7	22.24
			100%	lower	Mid	8865	26865	831.5	22.01
			100%	lower	High	9033	27033	848.3	21.68

E.9.2 Assessments at the Body

Table below presents the data of the body assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.55

Assessments at the Body (LTE B26) 814 – 849MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at body – 1 RB, 15MHz BW Ch.												
Ant 2	PMNN4472B Standard	Body	HKLN4618A back	None	831.5	199	-0.01	0.32	0.23	0.41	0.28	ErC-Ab-150819-02
Ant 2	PMNN4472B Standard	Body	HKLN4618A front	None	831.5	199	-0.01	0.30	0.21	0.38	0.26	ErC-Ab-150819-04
Assessment at body – 50% RB, 15MHz BW Ch.												
Ant 2	PMNN4472B Standard	Body	HKLN4618A back	None	831.5	204	0.05	0.33	0.23	0.41	0.29	ErC-Ab-150819-03
Ant 2	PMNN4472B Standard	Body	HKLN4618A front	None	831.5	204	0.00	0.31	0.21	0.38	0.26	ErC-Ab-150819-05
Assessment at the body – extended battery												
Ant 2	PMNN4475B Extended	Body	HKLN4618A back	None	831.5	199	-0.02	0.28	0.20	0.35	0.25	ErC-Ab-150819-06

E.9.3 Assessments for hot spot mode

Table below presents the data of the hot spot assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.56

Assessments at the Body (LTE B26) 814 – 849MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at body – 1 RB, 15MHz BW Ch.												
Ant 2	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	831.5	199	-0.05	0.58	0.43	0.74	0.55	ErC-Ab-150819-07
Ant 2	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	831.5	199	0.03	0.45	0.34	0.57	0.43	ErC-Ab-150819-08
Ant 2	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	831.5	199	0.00	0.12	0.08	0.16	0.11	ErC-Ab-150819-12
Ant 2	PMNN4472B Standard	Body	Left side of DUT @ 1cm	None	831.5	199	0.12	0.26	0.18	0.33	0.23	ErC-Ab-150819-13
Ant 2	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	831.5	199	-0.06	0.24	0.17	0.31	0.21	ErC-Ab-150820-10
Assessment at body – 50% RB, 15MHz BW Ch.												
Ant 2	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	831.5	204	-0.01	0.60	0.45	0.74	0.55	ErC-Ab-150819-09
Ant 2	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	831.5	204	-0.01	0.46	0.34	0.56	0.42	ErC-Ab-150819-10
Ant 2	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	831.5	204	0.02	0.13	0.09	0.16	0.11	ErC-Ab-150819-11
Ant 2	PMNN4472B Standard	Body	Left side of DUT @ 1cm	None	831.5	204	0.04	0.29	0.20	0.36	0.25	ErC-Ab-150819-14
Ant 2	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	831.5	204	-0.04	0.27	0.19	0.33	0.23	ErC-Ab-150820-11
Assessment at the body – extended battery												
Ant 2	PMNN4475B Extended	Body	Back of DUT @ 1cm	None	831.5	204	-0.07	0.51	0.38	0.63	0.47	ErC-Ab-150819-15

E.9.4 Assessments at the Head

Table below presents the data of the head assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.57

Assessments at the Head (LTE B26) 814 – 849MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at right ear – 1 RB, 15MHz BW Ch.												
Ant 2	PMNN4472B Standard	REAR	Touch	None	831.5	199	-0.08	0.35	0.27	0.45	0.35	ErC-Rear-150821-15
Ant 2	PMNN4472B Standard	REAR	Tilt	None	831.5	199	-0.03	0.23	0.18	0.29	0.22	ErC-Rear-150821-16
Assessment at right ear – 50% RB, 15MHz BW Ch.												
Ant 2	PMNN4472B Standard	REAR	Touch	None	831.5	204	-0.05	0.36	0.28	0.45	0.35	ErC-Rear-150821-17
Ant 2	PMNN4472B Standard	REAR	Tilt	None	831.5	204	0.05	0.24	0.18	0.30	0.23	ErC-Rear-150821-18
Assessment at left ear – 1 RB, 15MHz BW Ch.												
Ant 2	PMNN4472B Standard	LEAR	Touch	None	831.5	199	-0.08	0.38	0.29	0.49	0.38	ErC-Lear-150821-11
Ant 2	PMNN4472B Standard	LEAR	Tilt	None	831.5	199	0.09	0.25	0.19	0.32	0.24	ErC-Lear-150821-12
Assessment at left ear – 50% RB, 15MHz BW Ch.												
Ant 2	PMNN4472B Standard	LEAR	Touch	None	831.5	204	-0.10	0.39	0.30	0.49	0.38	ErC-Lear-150821-13
Ant 2	PMNN4472B Standard	LEAR	Tilt	None	831.5	204	0.11	0.26	0.20	0.32	0.24	ErC-Lear-150821-14
Assessment at the head – extended battery												
Ant 2	PMNN4475B Extended	LEAR	Touch	None	831.5	204	-0.03	0.37	0.28	0.45	0.35	ErC-Lear-150821-29

E.10 Assessments at LTE B28 (703 – 748MHz)**E.10.1 Output Power Data**

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

Table E.58

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 28	20 MHz 100 Blocks	1 Block QPSK I_MCS 5	1	lower	Mid	9435	27435	725.5	22.57
			1	middle	Mid	9435	27435	725.5	22.79
			1	upper	Mid	9435	27435	725.5	22.52
			50%	lower	Mid	9435	27435	725.5	22.64
			50%	middle	Mid	9435	27435	725.5	22.27
			50%	upper	Mid	9435	27435	725.5	22.78
		50 Blocks 100 Blocks	100%	lower	Mid	9435	27435	725.5	23.01
		1 Block 16 QAM I_MCS 12	1	lower	Mid	9435	27435	725.5	22.85
			1	middle	Mid	9435	27435	725.5	22.81
			1	upper	Mid	9435	27435	725.5	22.90
			50%	lower	Mid	9435	27435	725.5	21.68
			50%	middle	Mid	9435	27435	725.5	21.71
			50%	upper	Mid	9435	27435	725.5	21.73
		50 Blocks 100 Blocks	100%	lower	Mid	9435	27435	725.5	21.77

Table E.59

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 28	15 MHz 75 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	9285	27285	710.5	23.26
			1	middle	Low	9285	27285	710.5	22.85
			1	upper	Low	9285	27285	710.5	23.08
			1	lower	Mid	9435	27435	725.5	22.98
			1	middle	Mid	9435	27435	725.5	23.20
			1	upper	Mid	9435	27435	725.5	23.17
			1	lower	High	9585	27585	740.5	23.26
			1	middle	High	9585	27585	740.5	23.25
			1	upper	High	9585	27585	740.5	23.05
		36 Block QPSK I_MCS 5	50%	lower	Low	9285	27285	710.5	22.98
			50%	middle	Low	9285	27285	710.5	23.15
			50%	upper	Low	9285	27285	710.5	23.27
			50%	lower	Mid	9435	27435	725.5	23.30
			50%	middle	Mid	9435	27435	725.5	23.20
			50%	upper	Mid	9435	27435	725.5	23.21
			50%	lower	High	9585	27585	740.5	23.20
			50%	middle	High	9585	27585	740.5	23.28
			50%	upper	High	9585	27585	740.5	23.47
		75 Blocks QPSK I_MCS 5	100%	lower	Low	9285	27285	710.5	23.22
			100%	lower	Mid	9435	27435	725.5	23.34
			100%	lower	High	9585	27585	740.5	23.33
		1 Block 16 QAM I_MCS 12	1	lower	Low	9285	27285	710.5	22.96
			1	middle	Low	9285	27285	710.5	22.80
			1	upper	Low	9285	27285	710.5	23.18
			1	lower	Mid	9435	27435	725.5	22.96
			1	middle	Mid	9435	27435	725.5	23.20
			1	upper	Mid	9435	27435	725.5	23.22
			1	lower	High	9585	27585	740.5	23.22
			1	middle	High	9585	27585	740.5	23.48
			1	upper	High	9585	27585	740.5	23.32
		36 Block 16 QAM I_MCS 12	50%	lower	Low	9285	27285	710.5	22.05
			50%	middle	Low	9285	27285	710.5	22.20
			50%	upper	Low	9285	27285	710.5	22.13
			50%	lower	Mid	9435	27435	725.5	22.32
			50%	middle	Mid	9435	27435	725.5	22.31
			50%	upper	Mid	9435	27435	725.5	22.30
			50%	lower	High	9585	27585	740.5	22.23
			50%	middle	High	9585	27585	740.5	22.67
			50%	upper	High	9585	27585	740.5	22.56
		75 Blocks 16 QAM I_MCS 12	100%	lower	Low	9285	27285	710.5	22.24
			100%	lower	Mid	9435	27435	725.5	22.37
			100%	lower	High	9585	27585	740.5	22.35

Table E.60

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 28	10 MHz 50 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	9260	27260	708.0	23.02
			1	middle	Low	9260	27260	708.0	22.88
			1	upper	Low	9260	27260	708.0	23.02
			1	lower	Mid	9435	27435	725.5	23.18
			1	middle	Mid	9435	27435	725.5	23.14
			1	upper	Mid	9435	27435	725.5	23.13
			1	lower	High	9610	27610	743.0	23.14
			1	middle	High	9610	27610	743.0	23.22
			1	upper	High	9610	27610	743.0	22.96
		25 Block QPSK I_MCS 5	50%	lower	Low	9260	27260	708.0	22.98
			50%	middle	Low	9260	27260	708.0	22.96
			50%	upper	Low	9260	27260	708.0	22.95
			50%	lower	Mid	9435	27435	725.5	23.30
			50%	middle	Mid	9435	27435	725.5	23.27
			50%	upper	Mid	9435	27435	725.5	23.18
			50%	lower	High	9610	27610	743.0	23.33
			50%	middle	High	9610	27610	743.0	23.31
			50%	upper	High	9610	27610	743.0	23.33
		50 Blocks QPSK I_MCS 5	100%	lower	Low	9260	27260	708.0	22.96
			100%	lower	Mid	9435	27435	725.5	23.27
			100%	lower	High	9610	27610	743.0	23.20
		1 Block 16 QAM I_MCS 12	1	lower	Low	9260	27260	708.0	23.17
			1	middle	Low	9260	27260	708.0	22.94
			1	upper	Low	9260	27260	708.0	23.06
			1	lower	Mid	9435	27435	725.5	23.07
			1	middle	Mid	9435	27435	725.5	23.10
			1	upper	Mid	9435	27435	725.5	23.05
			1	lower	High	9610	27610	743.0	23.36
			1	middle	High	9610	27610	743.0	23.07
			1	upper	High	9610	27610	743.0	23.41
		25 Block 16 QAM I_MCS 12	50%	lower	Low	9260	27260	708.0	22.01
			50%	middle	Low	9260	27260	708.0	22.02
			50%	upper	Low	9260	27260	708.0	22.02
			50%	lower	Mid	9435	27435	725.5	22.33
			50%	middle	Mid	9435	27435	725.5	22.35
			50%	upper	Mid	9435	27435	725.5	22.27
			50%	lower	High	9610	27610	743.0	22.66
			50%	middle	High	9610	27610	743.0	22.21
			50%	upper	High	9610	27610	743.0	22.26
		50 Blocks 16 QAM I_MCS 12	100%	lower	Low	9260	27260	708.0	22.03
			100%	lower	Mid	9435	27435	725.5	22.28
			100%	lower	High	9610	27610	743.0	22.29

Table E.61

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 28	5 MHz 25 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	9235	27235	705.5	23.16
			1	middle	Low	9235	27235	705.5	22.92
			1	upper	Low	9235	27235	705.5	23.02
			1	lower	Mid	9435	27435	725.5	23.11
			1	middle	Mid	9435	27435	725.5	23.15
			1	upper	Mid	9435	27435	725.5	23.11
			1	lower	High	9635	27635	745.5	23.14
			1	middle	High	9635	27635	745.5	23.14
			1	upper	High	9635	27635	745.5	23.25
		12 Block QPSK I_MCS 5	50%	lower	Low	9235	27235	705.5	23.13
			50%	middle	Low	9235	27235	705.5	22.92
			50%	upper	Low	9235	27235	705.5	22.95
			50%	lower	Mid	9435	27435	725.5	23.26
			50%	middle	Mid	9435	27435	725.5	23.20
			50%	upper	Mid	9435	27435	725.5	23.24
			50%	lower	High	9635	27635	745.5	23.21
			50%	middle	High	9635	27635	745.5	23.24
			50%	upper	High	9635	27635	745.5	23.28
		25 Blocks QPSK I_MCS 5	100%	lower	Low	9235	27235	705.5	22.96
			100%	lower	Mid	9435	27435	725.5	23.23
			100%	lower	High	9635	27635	745.5	23.19
		1 Block 16 QAM I_MCS 12	1	lower	Low	9235	27235	705.5	22.83
			1	middle	Low	9235	27235	705.5	22.79
			1	upper	Low	9235	27235	705.5	22.77
			1	lower	Mid	9435	27435	725.5	23.06
			1	middle	Mid	9435	27435	725.5	23.09
			1	upper	Mid	9435	27435	725.5	23.11
			1	lower	High	9635	27635	745.5	23.21
			1	middle	High	9635	27635	745.5	23.52
			1	upper	High	9635	27635	745.5	23.38
		12 Block 16 QAM I_MCS 12	50%	lower	Low	9235	27235	705.5	22.10
			50%	middle	Low	9235	27235	705.5	22.00
			50%	upper	Low	9235	27235	705.5	22.00
			50%	lower	Mid	9435	27435	725.5	22.02
			50%	middle	Mid	9435	27435	725.5	22.25
			50%	upper	Mid	9435	27435	725.5	22.30
			50%	lower	High	9635	27635	745.5	21.60
			50%	middle	High	9635	27635	745.5	21.91
			50%	upper	High	9635	27635	745.5	22.23
		25 Blocks 16 QAM I_MCS 12	100%	lower	Low	9235	27235	705.5	22.02
			100%	lower	Mid	9435	27435	725.5	22.24
			100%	lower	High	9635	27635	745.5	22.28

Table E.62

Band	Bandwidth	Modulation	RB Size	RB Offset	Channel L-M-H	Downlink Channel	Uplink Channel	Frequency (MHz)	Power (dBm)
Band 28	3 MHz 15 Blocks	1 Block QPSK I_MCS 5	1	lower	Low	9225	27225	704.5	23.24
			1	middle	Low	9225	27225	704.5	22.94
			1	upper	Low	9225	27225	704.5	22.99
			1	lower	Mid	9435	27435	725.5	23.05
			1	middle	Mid	9435	27435	725.5	23.14
			1	upper	Mid	9435	27435	725.5	23.16
			1	lower	High	9645	27645	746.5	23.07
			1	middle	High	9645	27645	746.5	23.14
			1	upper	High	9645	27645	746.5	23.23
		8 Block QPSK I_MCS 5	50%	lower	Low	9225	27225	704.5	23.17
			50%	middle	Low	9225	27225	704.5	23.14
			50%	upper	Low	9225	27225	704.5	22.97
			50%	lower	Mid	9435	27435	725.5	23.21
			50%	middle	Mid	9435	27435	725.5	23.21
			50%	upper	Mid	9435	27435	725.5	23.26
			50%	lower	High	9645	27645	746.5	23.25
			50%	middle	High	9645	27645	746.5	23.34
			50%	upper	High	9645	27645	746.5	23.27
		15 Blocks QPSK I_MCS 5	100%	lower	Low	9225	27225	704.5	23.12
			100%	lower	Mid	9435	27435	725.5	23.20
			100%	lower	High	9645	27645	746.5	23.30
		1 Block 16 QAM I_MCS 12	1	lower	Low	9225	27225	704.5	23.16
			1	middle	Low	9225	27225	704.5	23.03
			1	upper	Low	9225	27225	704.5	23.04
			1	lower	Mid	9435	27435	725.5	22.99
			1	middle	Mid	9435	27435	725.5	23.09
			1	upper	Mid	9435	27435	725.5	23.11
			1	lower	High	9645	27645	746.5	23.21
			1	middle	High	9645	27645	746.5	23.25
			1	upper	High	9645	27645	746.5	23.27
		8 Block 16 QAM I_MCS 12	50%	lower	Low	9225	27225	704.5	22.23
			50%	middle	Low	9225	27225	704.5	22.20
			50%	upper	Low	9225	27225	704.5	22.10
			50%	lower	Mid	9435	27435	725.5	22.41
			50%	middle	Mid	9435	27435	725.5	22.40
			50%	upper	Mid	9435	27435	725.5	22.36
			50%	lower	High	9645	27645	746.5	22.42
			50%	middle	High	9645	27645	746.5	22.42
			50%	upper	High	9645	27645	746.5	22.45
		15 Blocks 16 QAM I_MCS 12	100%	lower	Low	9225	27225	704.5	22.13
			100%	lower	Mid	9435	27435	725.5	22.35
			100%	lower	High	9645	27645	746.5	22.33

E.10.2 Assessments at the Body

Table below presents the data of the body assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.63

Assessments at the Body (LTE B28) 703 – 748MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at body – 1 RB, 20MHz BW Ch.												
Ant 2	PMNN4472B Standard	Body	HKLN4618A back	None	725.5	190	0.01	0.25	0.18	0.33	0.24	ErC-Ab-150818-03
Ant 2	PMNN4472B Standard	Body	HKLN4618A front	None	725.5	190	0.01	0.21	0.16	0.28	0.22	ErC-Ab-150818-05
Assessment at body – 50% RB, 20MHz BW Ch.												
Ant 2	PMNN4472B Standard	Body	HKLN4618A back	None	725.5	190	0.05	0.24	0.18	0.31	0.23	ErC-Ab-150818-04
Ant 2	PMNN4472B Standard	Body	HKLN4618A front	None	725.5	190	-0.02	0.20	0.15	0.27	0.20	ErC-Ab-150818-06
Assessment at the body – extended battery												
Ant 2	PMNN4475B Extended	Body	HKLN4618A back	None	725.5	190	0.06	0.24	0.18	0.32	0.24	ErC-Ab-150818-07

E.10.3 Assessments for hot spot mode

Table below presents the data of the body assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.64

Assessments at the Body (LTE B28) 703 – 748MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at body – 1 RB, 20MHz BW Ch.												
Ant 2	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	725.5	190	-0.02	0.50	0.37	0.67	0.49	ErC-Ab-150818-08
Ant 2	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	725.5	190	0.05	0.42	0.31	0.56	0.41	ErC-Ab-150818-09
Ant 2	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	725.5	190	-0.06	0.09	0.06	0.12	0.08	ErC-Ab-150818-13
Ant 2	PMNN4472B Standard	Body	Left side of DUT @ 1cm	None	725.5	190	-0.05	0.45	0.32	0.61	0.43	ErC-Ab-150818-14
Ant 2	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	725.5	190	0.00	0.22	0.16	0.29	0.21	ErC-Ab-150820-12
Assessment at body – 50% RB, 20MHz BW Ch.												
Ant 2	PMNN4472B Standard	Body	Back of DUT @ 1cm	None	725.5	190	0.09	0.48	0.36	0.63	0.47	ErC-Ab-150818-10
Ant 2	PMNN4472B Standard	Body	Front of DUT @ 1cm	None	725.5	190	0.03	0.40	0.29	0.53	0.39	ErC-Ab-150818-11
Ant 2	PMNN4472B Standard	Body	Bottom of DUT @ 1cm	None	725.5	190	-0.01	0.09	0.06	0.12	0.08	ErC-Ab-150818-12
Ant 2	PMNN4472B Standard	Body	Left side of DUT @ 1cm	None	725.5	190	-0.05	0.43	0.30	0.57	0.40	ErC-Ab-150818-15
Ant 2	PMNN4472B Standard	Body	Right side of DUT @ 1cm	None	725.5	190	0.06	0.21	0.15	0.27	0.19	ErC-Ab-150820-13
Assessment at the body – extended battery												
Ant 2	PMNN4475B Extended	Body	Back of DUT @ 1cm	None	725.5	190	-0.04	0.44	0.33	0.59	0.44	ErC-Ab-150818-16

E.10.4 Assessments at the Head

Table below presents the data of the head assessment. SAR plot(s) are included in section E.14 for the bolded data.

Table E.65

Assessments at the Head (LTE B28) 703 – 748MHz band												
Antenna Pos.	Battery	Test position	Carry Case	Cable Accessory	Freq (MHz)	Initial Power (mW)	SAR Drift (dB)	Meas. 1g-SAR (mW/g)	Meas. 10g-SAR (mW/g)	Max Calc. 1g-SAR (mW/g)	Max Calc. 10g-SAR (mW/g)	Run Number
Assessment at right ear – 1 RB, 20MHz BW Ch.												
Ant 2	PMNN4472B Standard	REAR	Touch	None	725.5	190	-0.11	0.33	0.26	0.44	0.35	ErC-Rear-150819-21
Ant 2	PMNN4472B Standard	REAR	Tilt	None	725.5	190	0.06	0.21	0.16	0.27	0.22	ErC-Rear-150819-22
Assessment at right ear – 50% RB, 20MHz BW Ch.												
Ant 2	PMNN4472B Standard	REAR	Touch	None	725.5	190	-0.12	0.31	0.25	0.42	0.34	ErC-Rear-150819-23
Ant 2	PMNN4472B Standard	REAR	Tilt	None	725.5	190	0.02	0.20	0.16	0.27	0.21	ErC-Rear-150819-24
Assessment at left ear – 1 RB, 20MHz BW Ch.												
Ant 2	PMNN4472B Standard	LEAR	Touch	None	725.5	190	0.14	0.39	0.30	0.51	0.39	ErC-Lear-150819-25
Ant 2	PMNN4472B Standard	LEAR	Tilt	None	725.5	190	0.04	0.24	0.19	0.32	0.25	ErC-Lear-150819-26
Assessment at left ear – 50% RB, 20MHz BW Ch.												
Ant 2	PMNN4472B Standard	LEAR	Touch	None	725.5	190	-0.07	0.38	0.28	0.51	0.38	ErC-Lear-150819-27
Ant 2	PMNN4472B Standard	LEAR	Tilt	None	725.5	190	0.04	0.22	0.17	0.29	0.23	ErC-Lear-150819-28
Assessment at the head – extended battery												
Ant 2	PMNN4475B Extended	LEAR	Touch	None	725.5	190	-0.03	0.36	0.28	0.48	0.37	ErC-Lear-150819-29

E.11 Results Summary

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

Table E.66

Designator	Frequency band (MHz)	Max Calc at Body (W/kg)		Max Calc at Hot Spot (W/kg)		Max Calc at Head (W/kg)	
		1g-SAR	10g-SAR	1g-SAR	10g-SAR	1g-SAR	10g-SAR
LTE (B3)	1710-1785	0.61	0.39	0.78	0.49	0.64	0.40
LTE (B4)	1710-1755	0.63	0.40	0.81	0.52	0.77	0.48
LTE (B5)	824 -849	0.44	0.31	0.75	0.56	0.43	0.33
LTE (B7)	2500-2570	0.59	0.33	0.93	0.49	1.00	0.52
LTE (B8)	880-915	0.36	0.24	0.62	0.45	0.48	0.36
LTE (20)	832-862	0.41	0.28	0.73	0.55	0.46	0.35
LTE (26)	814-849	0.41	0.28	0.74	0.55	0.49	0.38
LTE (28)	703-748	0.33	0.24	0.67	0.49	0.51	0.38

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.

E.12 Variability Assessment

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

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

Table E.67

Run#	Antenna	Battery	Right Ear	Test Freq. (MHz)	Adj Calc. 1g-SAR (W/kg)	Ratio	Comments
ErC-Rear-150916-07	Ant 1	PMNN4472B Standard	Touch	2560	1.00	1.13	No additional repeated scans is required due to the Ratio (SAR_{high}/SAR_{low}) < 1.20
ErC-Rear-150916-11					0.88		

E.13 System Verification Data

Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/14/2015 4:45:43 AM

Robot#: DASY5-FL-2 | Run#: ErC-SYSP-900B-150814-01
Dipole Model#: D900V2
Phantom#: OVAL1090
Tissue Temp: 21.3 (C)
Serial#: 085
Test Freq: 900 (MHz)
Start Power: 250 (mW)
Rotation (1D): .020 dB
Adjusted SAR (1W): 10.84 mW/g (1g)

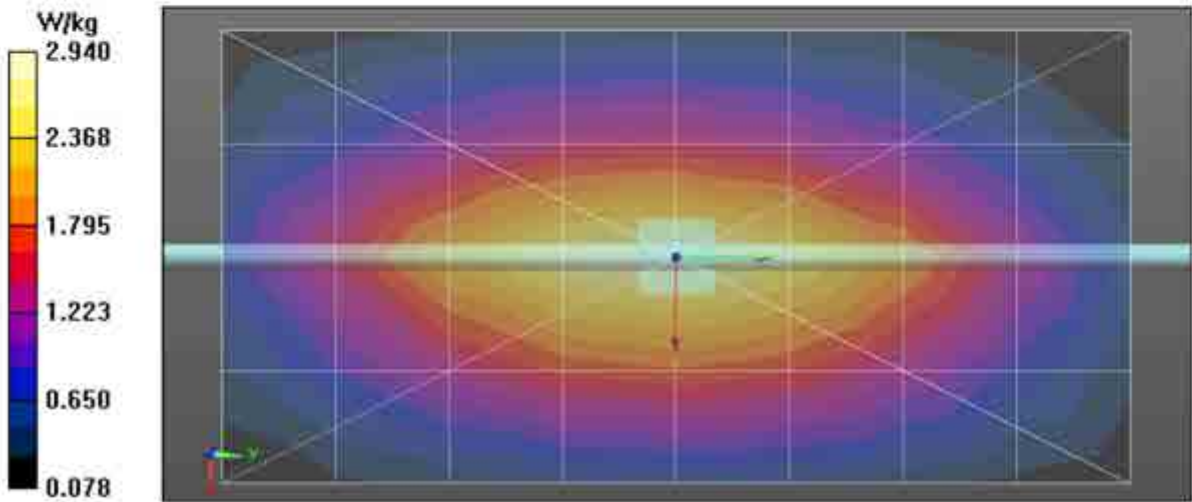
Comments:

Duty Cycle: 1:1. Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1.06 \text{ S/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, . Frequency: 900 MHz, ConvF(6, 6, 6); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement
grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 2.94 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 57.07 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 4.09 W/kg
SAR(1 g) = 2.71 W/kg; SAR(10 g) = 1.75 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.22 W/kg

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



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/16/2015 12:25:06 AM

Robot#: DASY5-FL-2 | Run#: ErC-SYSP-900B-150816-01
Dipole Model#: D900V2
Phantom#: OVAL1090
Tissue Temp: 21.7 (C)
Serial#: 085
Test Freq: 900 (MHz)
Start Power: 250 (mW)
Rotation (1D): .021 dB
Adjusted SAR (1W): 10.84 mW/g (1g)

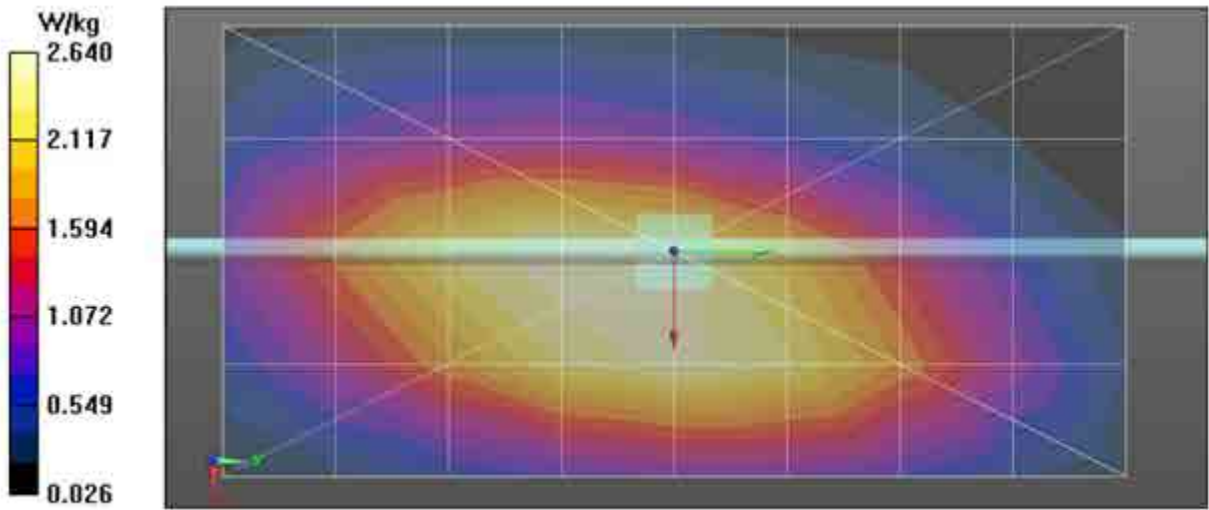
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1.08 \text{ S/m}$; $\epsilon_r = 53.6$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, Frequency: 900 MHz, ConvF(6, 6, 6); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement
grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 2.64 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 57.08 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 4.15 W/kg
SAR(1 g) = 2.71 W/kg; SAR(10 g) = 1.75 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.27 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$
Maximum value of SAR (measured) = 3.26 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/18/2015 4:27:01 AM

Robot#: DASY5-FL-2 | Run#: ErC-SYSP-750B-150818-02
Dipole Model# D750V3
Phantom# OVAL1090
Tissue Temp: 24.7 (C)
Serial#: 1098
Test Freq: 750 (MHz)
Start Power: 250 (mW)
Rotation (1D): .023 dB
Adjusted SAR (1W): 8.88 mW/g (1g)

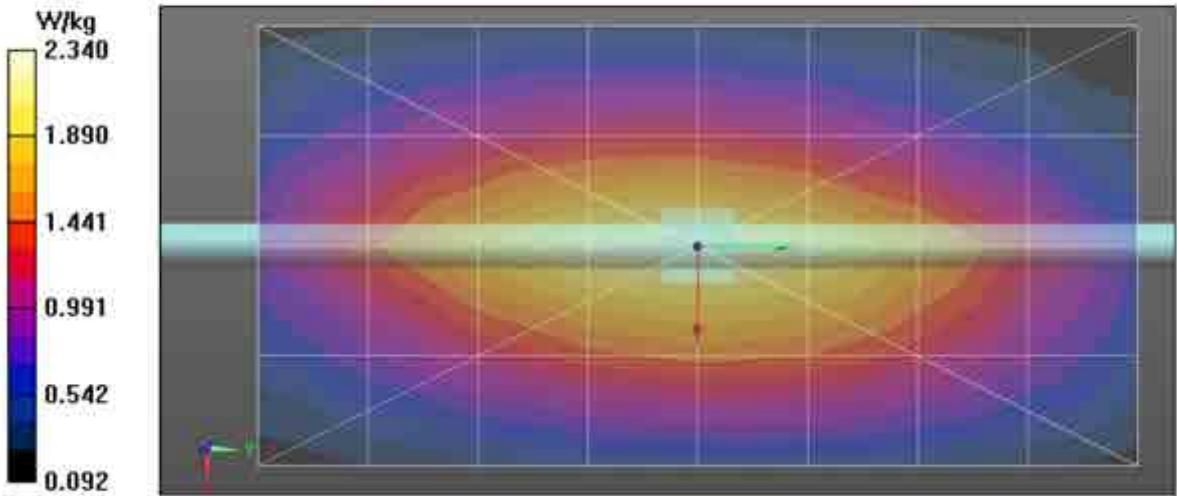
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.95 \text{ S/m}$; $\epsilon_r = 55.5$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, . Frequency: 750 MHz. ConvF(6.15, 6.15, 6.15); Calibrated: 9/24/2014
Electronics: DAE3 Su363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.34 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 53.66 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 3.23 W/kg
SAR(1 g) = 2.22 W/kg; SAR(10 g) = 1.47 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.57 W/kg

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



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/18/2015 3:57:43 AM

Robot#: DASY5-FL-2 | Run#: ErC-SYSP-900B-150818-01
Dipole Model# D900V2
Phantom#: OVAL1090
Tissue Temp: 24.5 (C)
Serial#: 085
Test Freq: 900 (MHz)
Start Power: 250 (mW)
Rotation (1D): .019 dB
Adjusted SAR (1W): 10.80 mW/g (1g)

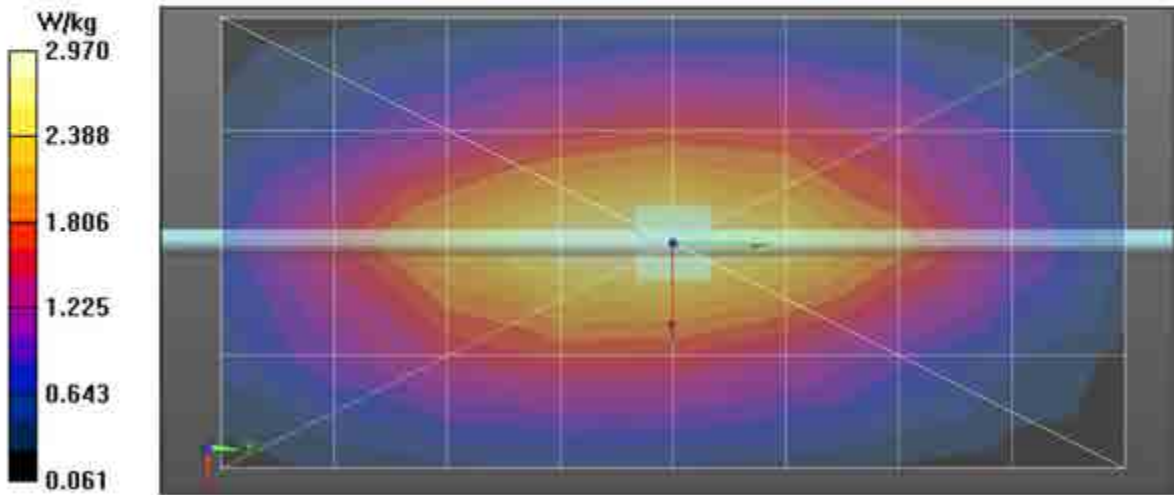
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1.09 \text{ S/m}$; $\epsilon_r = 54.3$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, Frequency: 900 MHz, ConvF(6, 6); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement
grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 2.97 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 56.61 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 4.17 W/kg
SAR(1 g) = 2.7 W/kg; SAR(10 g) = 1.75 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.27 W/kg

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



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/19/2015 10:05:55 AM

Robot#: DASY5-FL-2 | Run# ErC-SYSP-750H-150819-20
Dipole Model# D900V2
Phantom#: SAMTP1208
Tissue Temp: 23.3 (C)
Serial#: 1098
Test Freq: 750 (MHz)
Start Power: 250 (mW)
Rotation (1D): .027 dB
Adjusted SAR (1W): 8.48 mW/g (1g)

Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.9 \text{ S/m}$; $\epsilon_r = 43.8$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, . Frequency: 750 MHz, ConvF(6.53, 6.53, 6.53); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

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

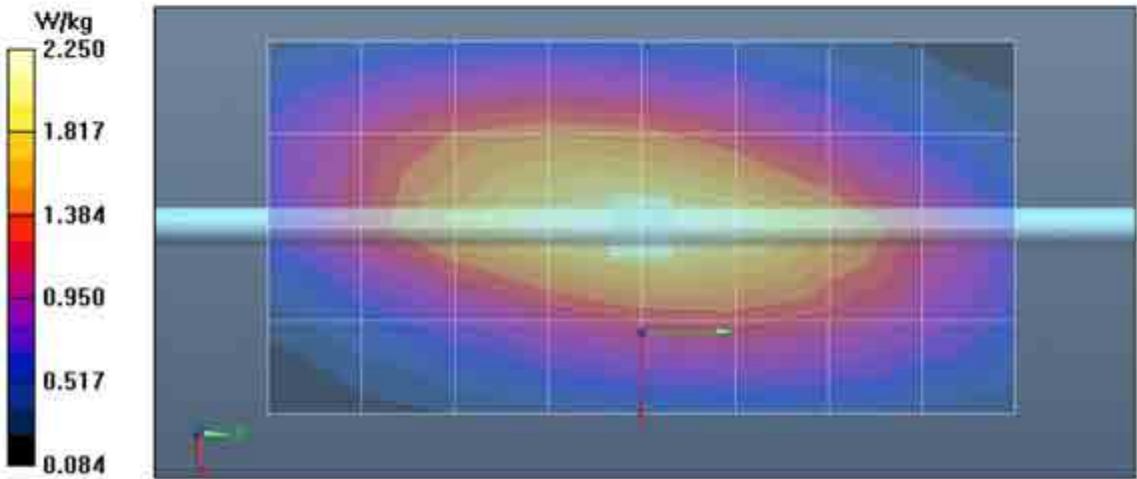
grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 2.25 W/kg

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

Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 54.30 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.16 W/kg
SAR(1 g) = 2.12 W/kg; SAR(10 g) = 1.39 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.48 W/kg

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

grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/19/2015 3:46:40 AM

Robot#: DASY5-FL-2 | Run#: ErC-SYSP-900B-150819-01
Dipole Model#: D900V2
Phantom#: OVAL1090
Tissue Temp: 23.3 (C)
Serial#: 085
Test Freq: 900 (MHz)
Start Power: 250 (mW)
Rotation (1D): .018 dB
Adjusted SAR (1W): 10.80 mW/g (1g)

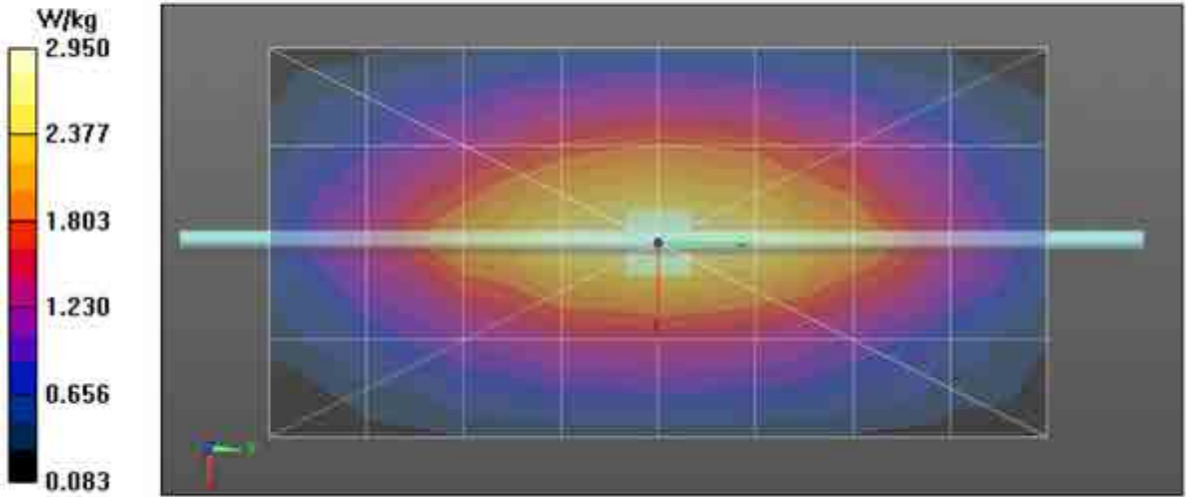
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 900 MHz; $\sigma = 1.08 \text{ S/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, Frequency: 900 MHz, ConvF(6, 6, 6); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.95 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 56.76 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 4.16 W/kg
SAR(1 g) = 2.7 W/kg; SAR(10 g) = 1.75 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.27 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.25 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/20/2015 4:30:59 AM

Robot#: DASY5-FL-2 | Run#: ErC-SYSP-750B-150820-02
Dipole Model# D750V3
Phantom#: OVAL1090
Tissue Temp: 22.3 (C)
Serial#: 1098
Test Freq: 750 (MHz)
Start Power: 250 (mW)
Rotation (1D): .021 dB
Adjusted SAR (1W): 8.92 mW/g (1g)

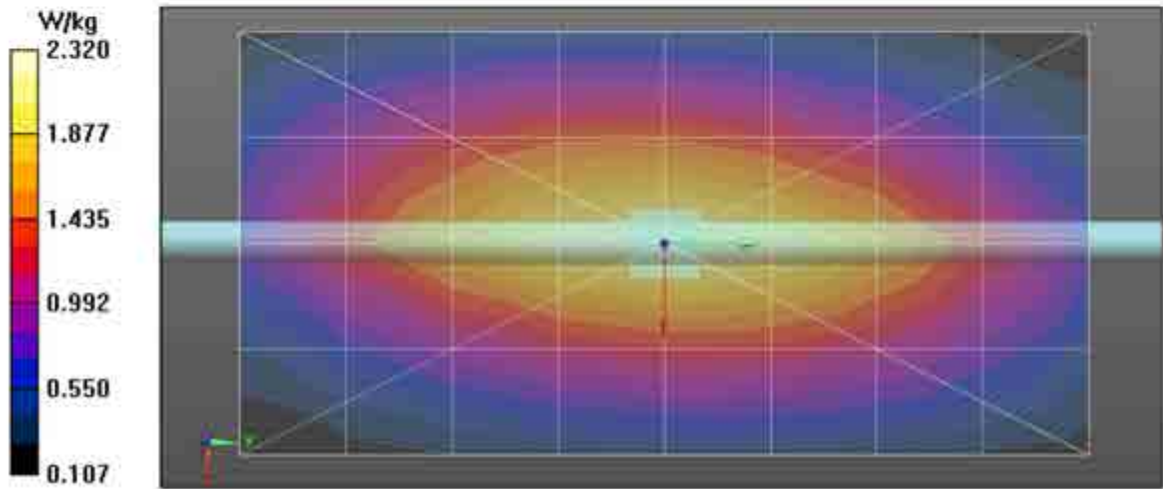
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.92 \text{ S/m}$; $\epsilon_r = 55.1$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, Frequency: 750 MHz, ConvF(6.15, 6.15, 6.15); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.32 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 53.99 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.17 W/kg
SAR(1 g) = 2.23 W/kg; SAR(10 g) = 1.47 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.52 W/kg

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



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/20/2015 4:02:03 AM

Robot#: DASY5-FL-2 | Run#: ErC-SYSP-900B-150820-01
Dipole Model#: D900V2
Phantom#: OVAL1090
Tissue Temp: 22.3 (C)
Serial#: 085
Test Freq: 900 (MHz)
Start Power: 250 (mW)
Rotation (1D): .017 dB
Adjusted SAR (1W): 10.84 mW/g (1g)

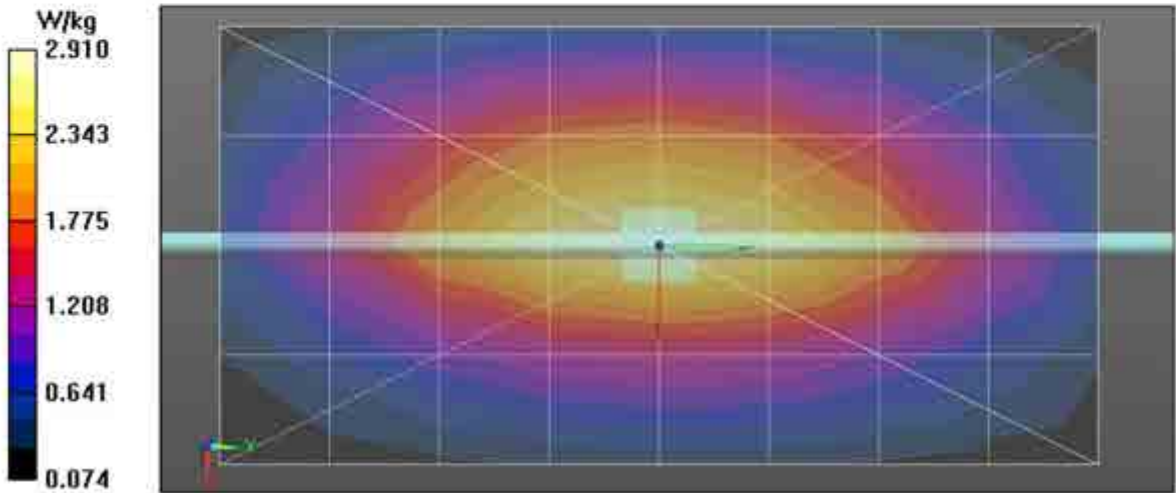
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 900 MHz; $\sigma = 1.07 \text{ S/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, , Frequency: 900 MHz, ConvF(6, 6, 6); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.91 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 57.04 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 4.13 W/kg
SAR(1 g) = 2.71 W/kg; SAR(10 g) = 1.76 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.25 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.24 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/20/2015 10:44:32 AM

Robot#: DASY5-FL-2 | Run#: ErC-SYSP-900H-150820-14
Dipole Model#: D900V2
Phantom#: SAMTP1208
Tissue Temp: 21.2 (C)
Serial#: 085
Test Freq: 900 (MHz)
Start Power: 250 (mW)
Rotation (1D): .026 dB
Adjusted SAR (1W): 10.28 mW/g (1g)

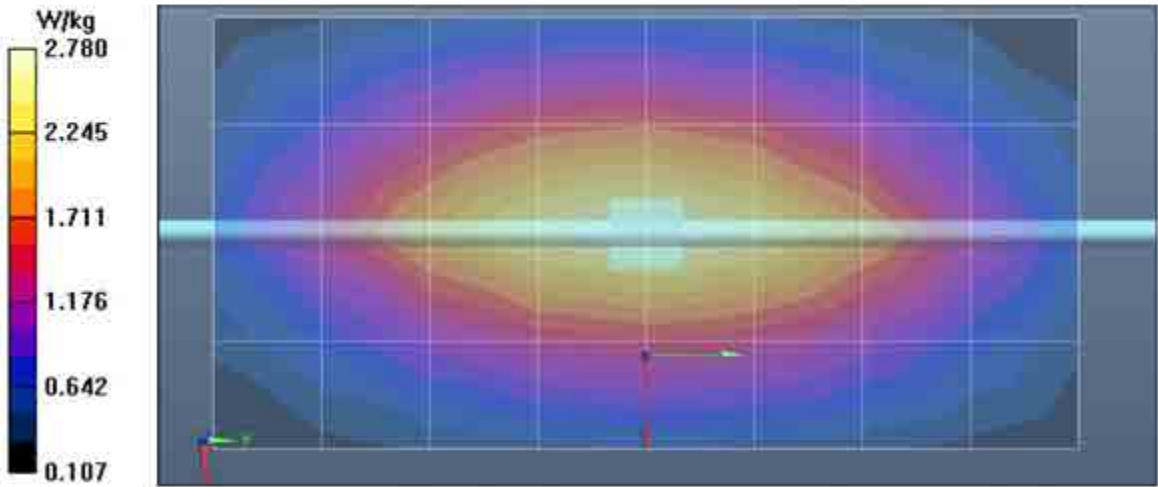
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 900 MHz; $\sigma = 0.97 \text{ S/m}$; $\epsilon_r = 40.4$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, Frequency: 900 MHz, ConvF(6.23, 6.23, 6.23); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.78 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 57.81 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 3.97 W/kg
SAR(1 g) = 2.57 W/kg; SAR(10 g) = 1.64 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.06 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.07 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/21/2015 3:40:57 AM

Robot#: DASY5-FL-2 | Run#: ErC-SYSP-900H-150821-01
Dipole Model#: D900V2
Phantom#: SAMTP1208
Tissue Temp: 22.7 (C)
Serial#: 085
Test Freq: 900 (MHz)
Start Power: 250 (mW)
Rotation (1D): .022 dB
Adjusted SAR (1W): 10.44 mW/g (1g)

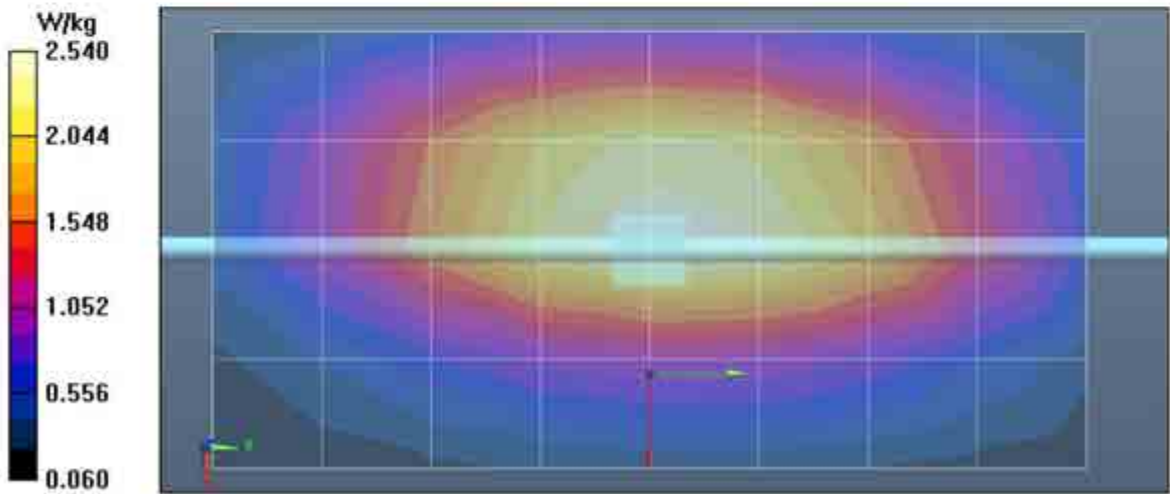
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 900 MHz; $\sigma = 0.98$ S/m; $\epsilon_r = 41.2$; $\rho = 1000$ kg/m³
Probe: ES3DV3 - SN3301, , Frequency: 900 MHz, ConvF(6.23, 6.23, 6.23); Calibrated: 9/24/2014
Electronics: DAE3-Su363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.54 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 58.45 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 4.04 W/kg
SAR(1 g) = 2.61 W/kg; SAR(10 g) = 1.67 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.11 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.12 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/24/2015 4:01:01 AM

Robot#: DASY5-FL-2 | Run#: ErC-SYSP-1800B-150824-01
Dipole Model#: D1800V2
Phantom#: Triple 1168-1
Tissue Temp: 22.4 (C)
Serial#: 278
Test Freq: 1800 (MHz)
Start Power: 100 (mW)
Rotation (1D): 0.021 dB
Adjusted SAR (1W): 40.40 mW/g (1g)

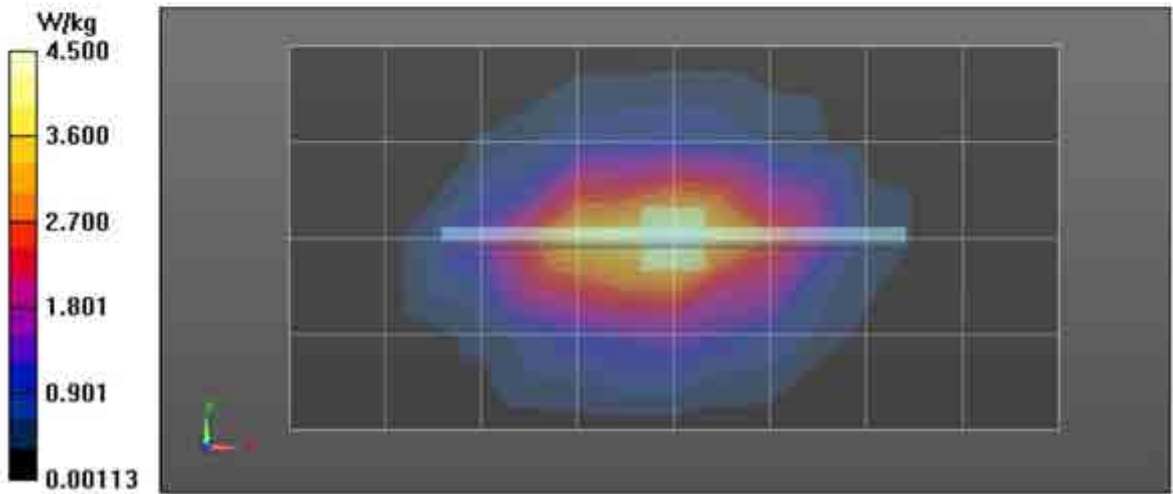
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 1800 MHz; $\sigma = 1.57 \text{ S/m}$; $\epsilon_r = 52.2$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, Frequency: 1800 MHz, ConvF(4.79, 4.79, 4.79); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (9x5x1): Measurement
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.50 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 59.02 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 7.41 W/kg
SAR(1 g) = 4.04 W/kg; SAR(10 g) = 2.1 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.11 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 5.19 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/25/2015 3:39:25 AM

Robot#: DASY3-FL-2 | Run#: ErC-SYSP-1800B-150825-01
Dipole Model#: D1800V2
Phantom#: Triple 1168-1
Tissue Temp: 22.8 (C)
Serial#: 278
Test Freq: 1800 (MHz)
Start Power: 100 (mW)
Rotation (1D): 0.016 dB
Adjusted SAR (1W): 40.50 mW/g (1g)

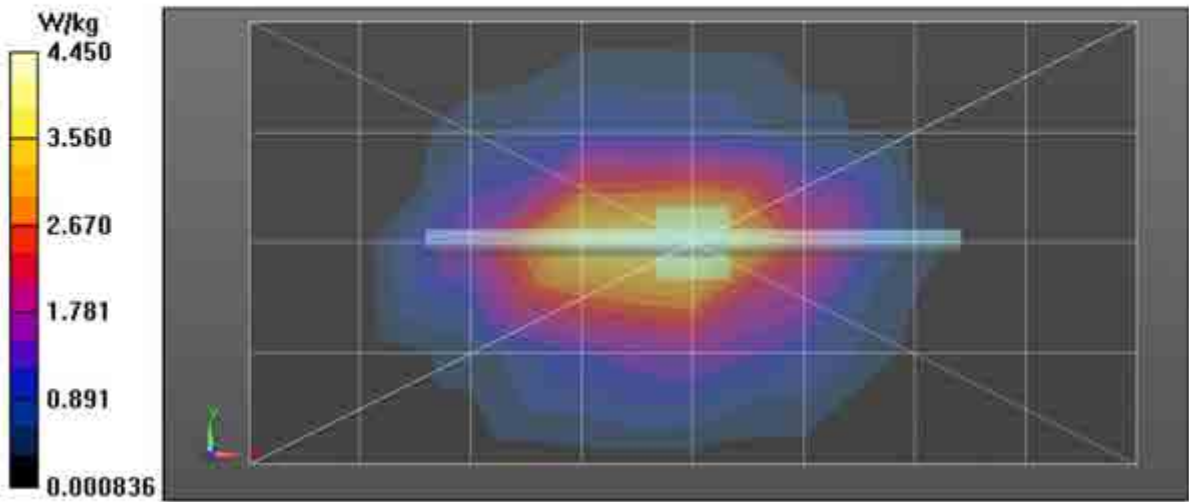
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 1800 \text{ MHz}$; $\sigma = 1.59 \text{ S/m}$; $\epsilon_r = 52.3$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, Frequency: 1800 MHz, ConvF(4.79, 4.79, 4.79); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (9x5x1): Measurement
grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 4.45 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 59.96 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 7.65 W/kg
SAR(1 g) = 4.05 W/kg; SAR(10 g) = 2.12 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.30 W/kg

Below 2 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement
grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$
Maximum value of SAR (measured) = 5.31 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/25/2015 5:35:35 AM

Robot#: DASY5-FL-2 | Run#: ErC-1800H-150825-05
Dipole Model#: D1800V2
Phantom#: SAMTP1208
Tissue Temp: 21.7 (C)
Serial#: 278
Test Freq: 1800 (MHz)
Start Power: 100 (mW)
Rotation (1D): 0.027 dB
Adjusted SAR (1W): 36.60 mW/g (1g)

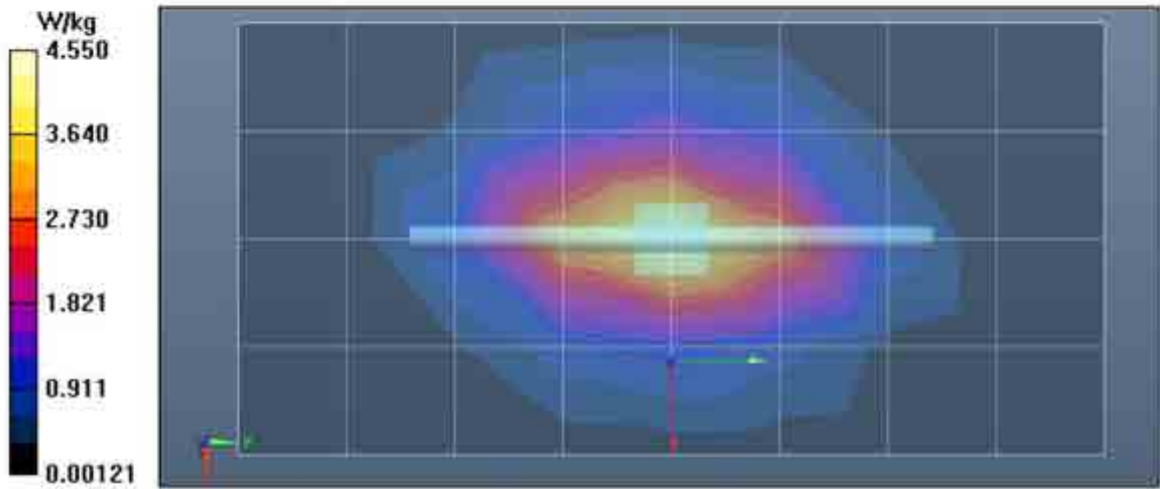
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 1800\text{ MHz}$; $\sigma = 1.37\text{ S/m}$; $\epsilon_r = 40.7$; $\rho = 1000\text{ kg/m}^3$
Probe: ES3DV3 - SN3301, Frequency: 1800 MHz, ConvF(5.04, 5.04, 5.04); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.55 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 59.61 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 6.65 W/kg
SAR(1 g) = 3.66 W/kg; SAR(10 g) = 1.91 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.53 W/kg

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



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/26/2015 4:10:32 AM

Robot#: DASY5-FL-2 | Run#: ErC-SYSP-900B-150826-01
Dipole Model#: D900V2
Phantom#: OVAL1016
Tissue Temp: 22.4 (C)
Serial#: 085
Test Freq: 900 (MHz)
Start Power: 250 (mW)
Rotation (1D): 018 dB
Adjusted SAR (1W): 10.32 mW/g (1g)

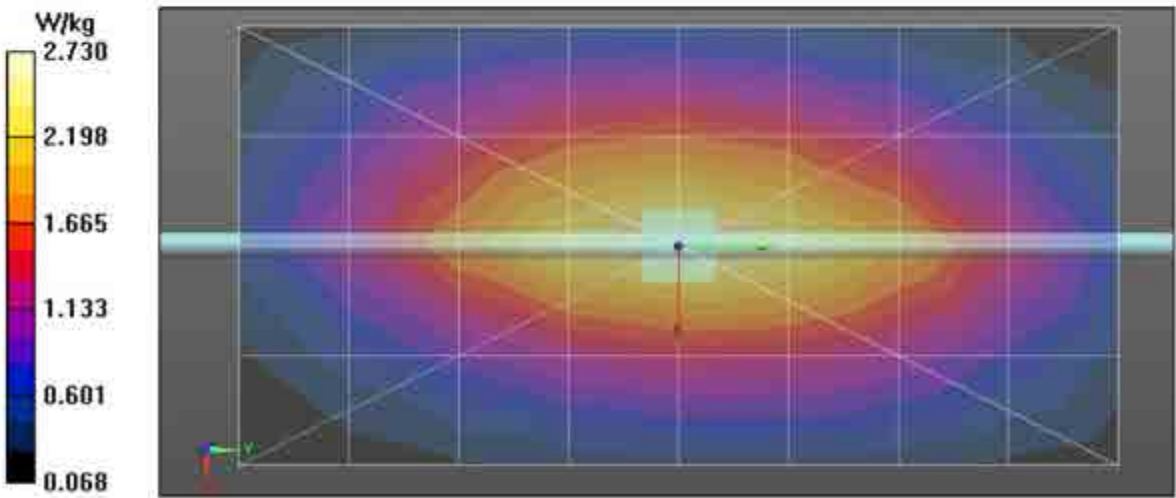
Comments:

Duty Cycle: 1:1. Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1.03 \text{ S/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, , Frequency: 900 MHz, ConvF(6, 6, 6), Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.73 W/kg

Below 2 GHz-Rev.2/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 55.93 V/m, Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.82 W/kg
SAR(1 g) = 2.58 W/kg; SAR(10 g) = 1.66 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.01 W/kg

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



Motorola Solutions, Inc. EME Laboratory
Date/Time: 9/16/2015 5:53:02 AM

Robot#: DASY5-FL-2 | Run#: ErC-SYSP-2600H-150916-01
Dipole Model# D2600V2
Phantom#: SAMTP1209
Tissue Temp: 20.9 (C)
Serial#: 1002
Test Freq: 2600 (MHz)
Start Power: 100 (mW)
Rotation (1D): 0.025 dB
Adjusted SAR (1W): 59.00 mW/g (1g)

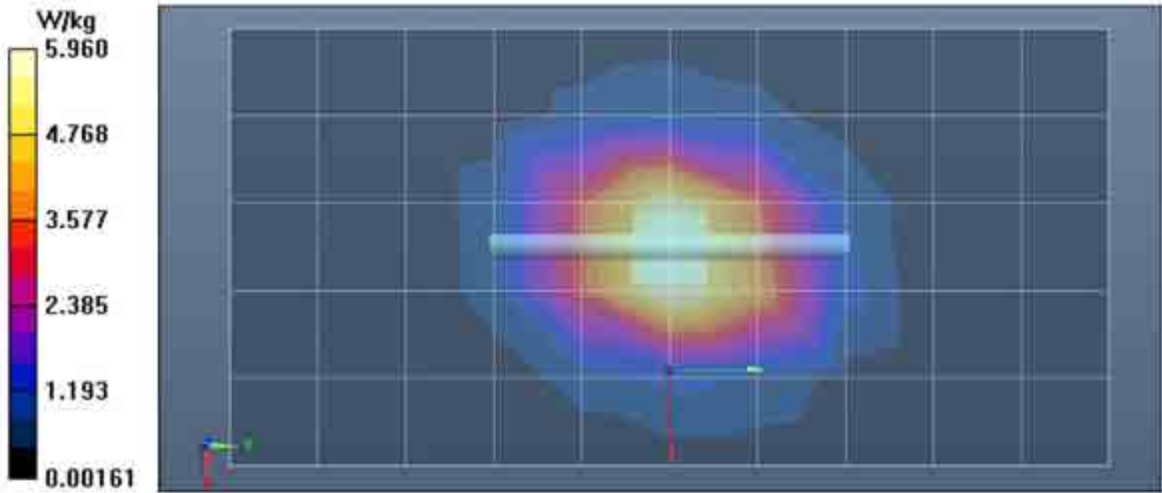
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 2600 \text{ MHz}$; $\sigma = 1.93 \text{ S/m}$; $\epsilon_r = 39.7$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3291, Frequency: 2600 MHz, ConvF(4.37, 4.37, 4.37); Calibrated: 7/21/2015
Electronics: DAE4 Sn850, Calibrated: 8/24/2015

2-3 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (6x11x1): Measurement grid:
 $dx=12\text{mm}$, $dy=12\text{mm}$
Maximum value of SAR (measured) = 5.96 W/kg

2-3 GHz-Rev.2/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement
grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 66.28 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 12.7 W/kg
SAR(1 g) = 5.9 W/kg; SAR(10 g) = 2.59 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 7.88 W/kg

2-3 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:
 $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$
Maximum value of SAR (measured) = 7.91 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 9/18/2015 7:40:40 AM

Robot#: DASY5-FL-2 | Run#: ErC-SYSP-2600B-150918-06
Dipole Model#: D2600V2
Phantom#: Triple 1168-1
Tissue Temp: 20.9 (C)
Serial#: 1002
Test Freq: 2600 (MHz)
Start Power: 100 (mW)
Rotation (1D): 0.023 dB
Adjusted SAR (1W): 61.20 mW/g (1g)

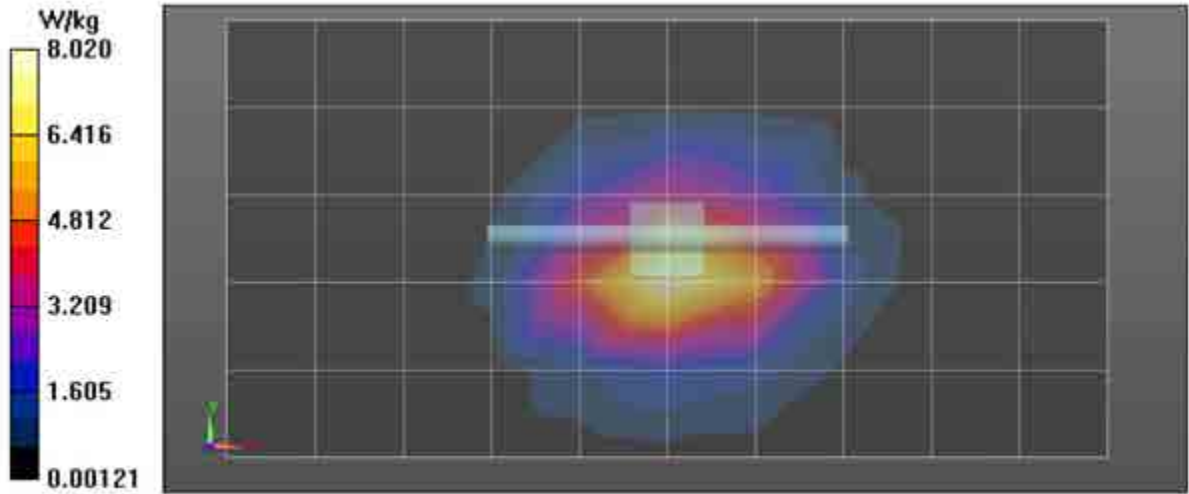
Comments:

Duty Cycle: 1:1, Medium parameters used: $f = 2600$ MHz; $\sigma = 2.19$ S/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³
Probe: ES3DV3 - SN3291, , Frequency: 2600 MHz, ConvF(4.12, 4.12, 4.12); Calibrated: 7/21/2015
Electronics: DAE4 Sn850, Calibrated: 8/24/2015

2-3 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (11x6x1): Measurement grid:
dx=12mm, dy=12mm
Maximum value of SAR (measured) = 8.02 W/kg

2-3 GHz-Rev.2/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement
grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 63.27 V/m, Power Drift = 0.02 dB
Peak SAR (extrapolated) = 13.7 W/kg
SAR(1 g) = 6.12 W/kg; SAR(10 g) = 2.71 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.22 W/kg

2-3 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:
dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 8.32 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 9/21/2015 4:45:29 AM

Robot#: DASY5-FL-2 | Run#: ErC-SYSP-2600B-150921-01
Dipole Model#: D2600V2
Phantom#: Triple 1168-1
Tissue Temp: 23.1 (C)
Serial#: 1002
Test Freq: 2600 (MHz)
Start Power: 100 (mW)
Rotation (1D): 0.033 dB
Adjusted SAR (1W): 62.70 mW/g (1g)

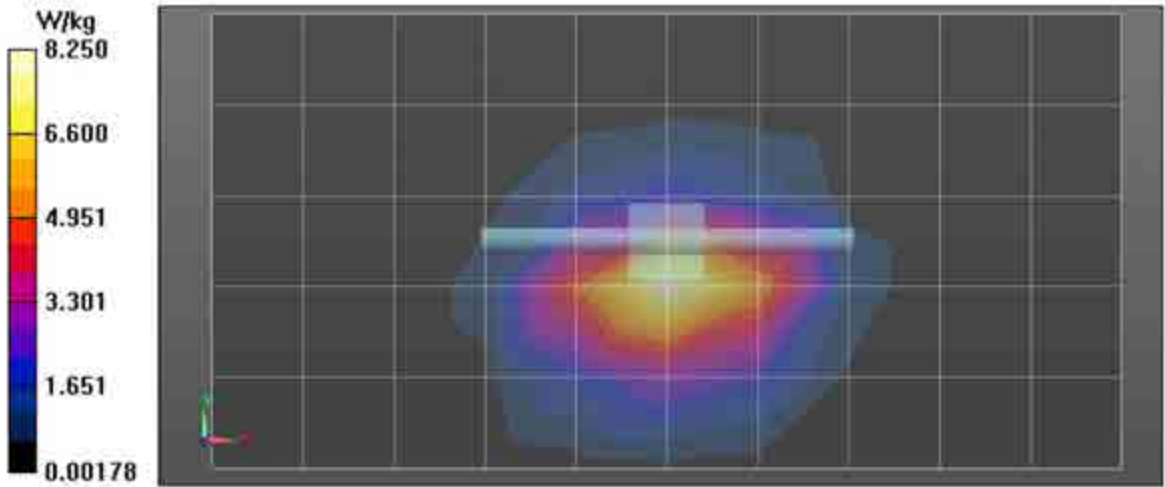
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 2600 MHz; $\sigma = 2.11 \text{ S/m}$; $\epsilon_r = 50.9$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3291, , Frequency: 2600 MHz. ConvF(4.12, 4.12, 4.12); Calibrated: 7/21/2015
Electronics: DAE4 Su850, Calibrated: 8/24/2015

2-3 GHz-Rev.2/System Performance Check/Dipole Area Scan 2 (11x6x1): Measurement grid:
dx=12mm, dy=12mm
Maximum value of SAR (measured) = 8.25 W/kg

2-3 GHz-Rev.2/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement
grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 64.85 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 13.6 W/kg
SAR(1 g) = 6.27 W/kg; SAR(10 g) = 2.77 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.26 W/kg

2-3 GHz-Rev.2/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:
dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 8.32 W/kg



E.14 DUT Data

Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/24/2015 9:20:33 AM

Robot#: DASY5-FL-2 | Run#: ErC-Ab-150824-17
Model#: LEX10I
Phantom#: Triple 1168-1
Tissue Temp: 22.2 (C)
Serial#: 171PRL0854
Antenna: Ant 1
Test Freq: 1720 (MHz)
Battery: PMNN4472B Standard
Carry Acc: HKLN4618A Rev 1 back
Audio Acc: None
Start Power: 208 (W)

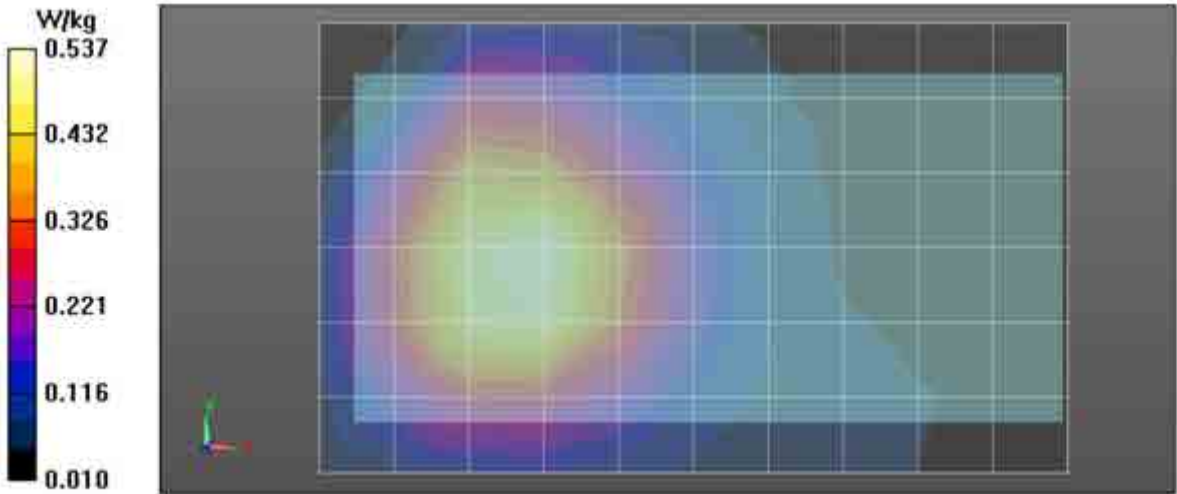
Comments: 20 MHz BW 50% RB offset:lower

Duty Cycle: 1:3.81066, Medium parameters used: $f = 1720$ MHz; $\sigma = 1.49$ S/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³
Probe: ES3DV3 - SN3301, , Frequency: 1720 MHz, ConvF(4.79, 4.79, 4.79); Calibrated: 9/24/2014
Electronics: DAE3 Su363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (11x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.537 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 19.43 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.753 W/kg
SAR(1 g) = 0.492 W/kg; SAR(10 g) = 0.313 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.582 W/kg

Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.579 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/25/2015 4:17:31 AM

Robot#: DASY5-FL-2 | Run#: ErC-Ab-150825-02
 Model#: LEX101
 Phantom#: Triple 1168-1
 Tissue Temp: 22.8 (C)
 Serial#: 171PRL0854
 Antenna: Ant 1
 Test Freq: 1775 (MHz)
 Battery: PMNN4475B Extended
 Carry Acc: Front of DUT @ 1cm
 Audio Acc: None
 Start Power: 211 (W)

Comments: 20 MHz BW 1 RB offset:upper

Duty Cycle: 1:3.74111, Medium parameters used: $f = 1775$ MHz; $\sigma = 1.56$ S/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3301, Frequency: 1775 MHz, ConvF(4.79, 4.79, 4.79); Calibrated: 9/24/2014

Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (11x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.746 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 22.67 V/m; Power Drift = -0.03 dB

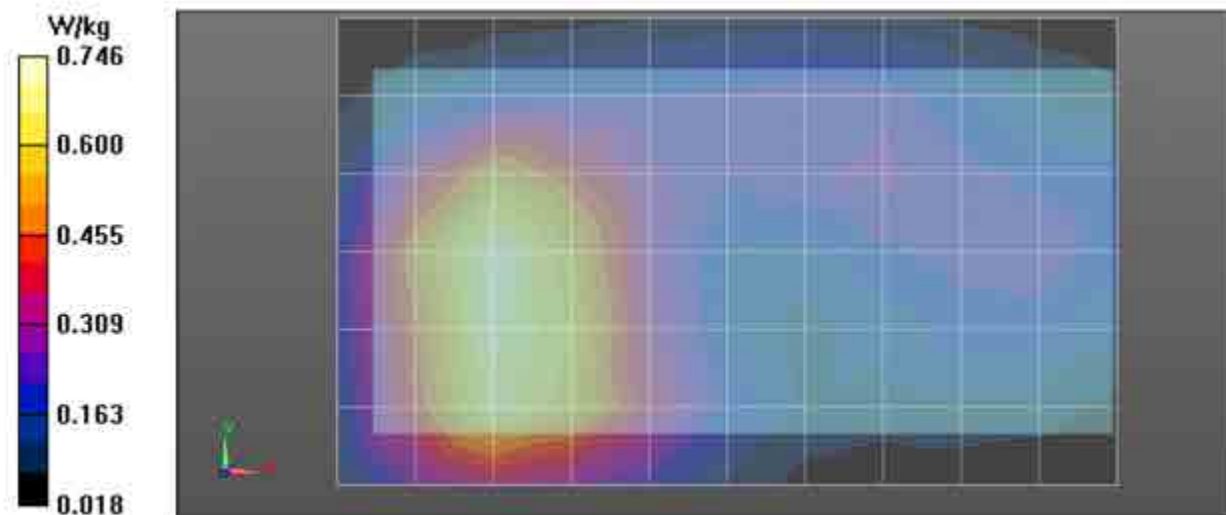
Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.647 W/kg; SAR(10 g) = 0.411 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.766 W/kg

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

Maximum value of SAR (measured) = 0.758 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/25/2015 12:29:37 PM

Robot#: DASY5-FL-2 | Run#: ErC-Rear-150825-23
Model#: LEX101
Phantom#: SAMTP1208
Tissue Temp: 21.4 (C)
Serial#: 171PRL0854
Antenna: Ant 1
Test Freq: 1775 (MHz)
Battery: PMNN4475B Extended
Carry Acc: Touch
Audio Acc: None
Start Power: 211 (W)

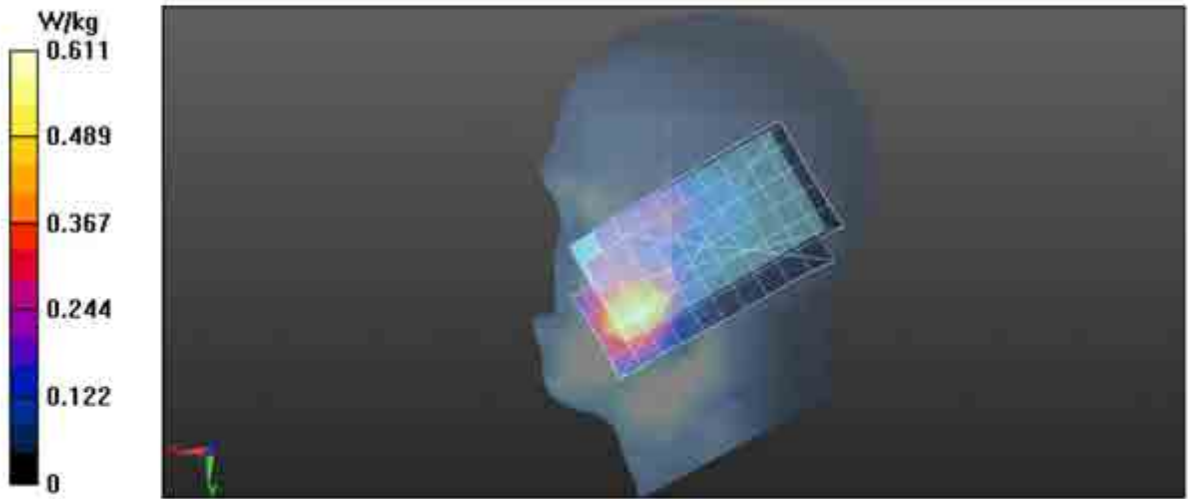
Comments: 20 MHz BW 1 RB offset;upper

Duty Cycle: 1:3.74111, Medium parameters used: $f = 1775$ MHz; $\sigma = 1.34$ S/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³
Probe: ES3DV3 - SN3301, Frequency: 1775 MHz, ConvF(5.04, 5.04, 5.04); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Right Ear-Touch Position/1-Area Scan (7x12x1): Measurement grid:
dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.611 W/kg

Below 2 GHz-Rev.2/Right Ear-Touch Position/Zoom Scan (6x6x7)/Cube 0: Measurement
grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 18.72 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.832 W/kg
SAR(1 g) = 0.540 W/kg; SAR(10 g) = 0.337 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.557 W/kg

Below 2 GHz-Rev.2/Right Ear-Touch Position/4-Z-Axis Scan (1x1x17): Measurement grid:
dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.612 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/24/2015 4:53:42 AM

Robot#: DASY5-FL-2 | Run#: ErC-Ab-150824-03
Model#: LEX101
Phantom#: Triple 1168-1
Tissue Temp: 22.3 (C)
Serial#: 171PRL0854
Antenna: Ant 1
Test Freq: 1732.5 (MHz)
Battery: PMNN4472B Standard
Carry Acc: HKLN4618A Rev 1 back
Audio Acc: None
Start Power: .191 (W)

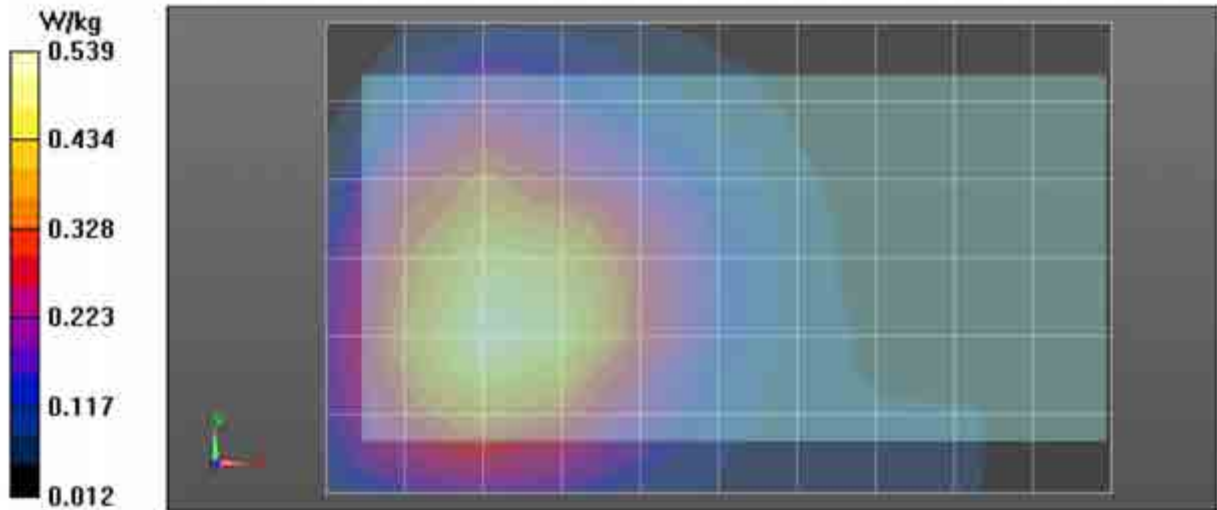
Comments: 20 MHz BW 50% RB offset:lower

Duty Cycle: 1:3.81066, Medium parameters used: f = 1733 MHz; $\sigma = 1.5 \text{ S/m}$; $\epsilon_r = 52.4$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, , Frequency: 1732.5 MHz, ConvF(4.79, 4.79, 4.79); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (11x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.539 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 18.41 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.716 W/kg
SAR(1 g) = 0.472 W/kg; SAR(10 g) = 0.302 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.551 W/kg

Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.549 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/24/2015 8:37:24 AM

Robot#: DASY5-FL-2 | Run#: ErC-Ab-150824-15
Model#: LEX10I
Phantom#: Triple 1168-1
Tissue Temp: 22.4 (C)
Serial#: 171PRL0854
Antenna: Ant 1
Test Freq: 1732.5 (MHz)
Battery: PMNN4475B Extended
Carry Acc: Front of DUT @ 1cm
Audio Acc: None
Start Power: .191 (W)

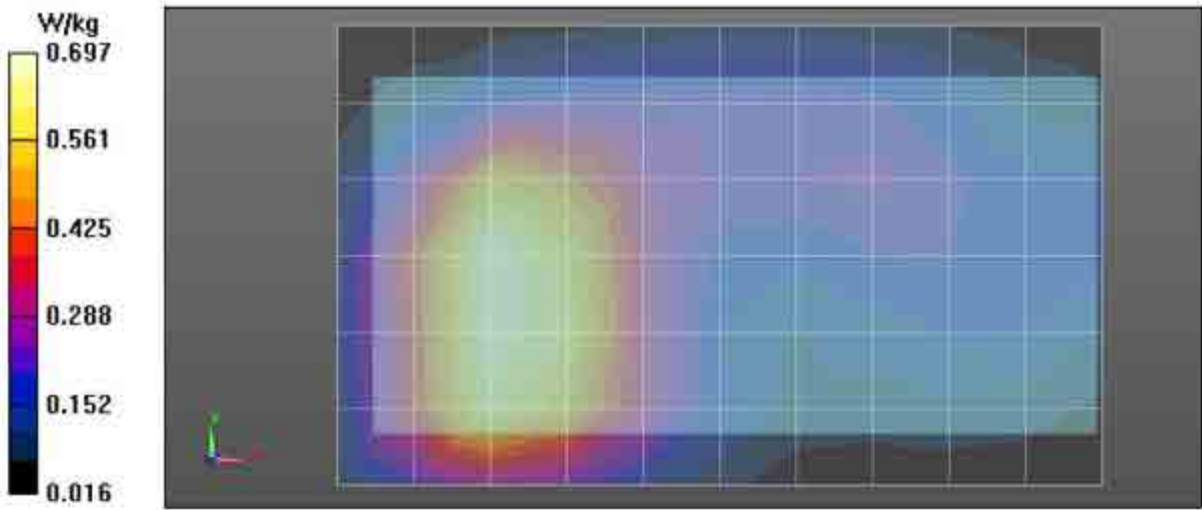
Comments: 20 MHz BW 50% RB offset:lower

Duty Cycle: 1:3.81066, Medium parameters used: $f = 1733 \text{ MHz}$; $\sigma = 1.5 \text{ S/m}$; $\epsilon_r = 52.4$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, , Frequency: 1732.5 MHz, ConvF(4.79, 4.79, 4.79); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (11x7x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.697 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 22.54 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.967 W/kg
SAR(1 g) = 0.614 W/kg; SAR(10 g) = 0.394 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.722 W/kg

Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$
Maximum value of SAR (measured) = 0.731 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/25/2015 9:26:12 AM

Robot#: DASY5-FL-2 | Rnn#: ErC-Rear-150825-14
Model#: LEX10I
Phantom#: SAMTP1208
Tissue Temp: 21.6 (C)
Serial#: 171PRL0854
Antenna: Ant 1
Test Freq: 1732.5 (MHz)
Battery: PMNN4475B Extended
Carry Acc: Touch
Audio Acc: None
Start Power: .191 (W)

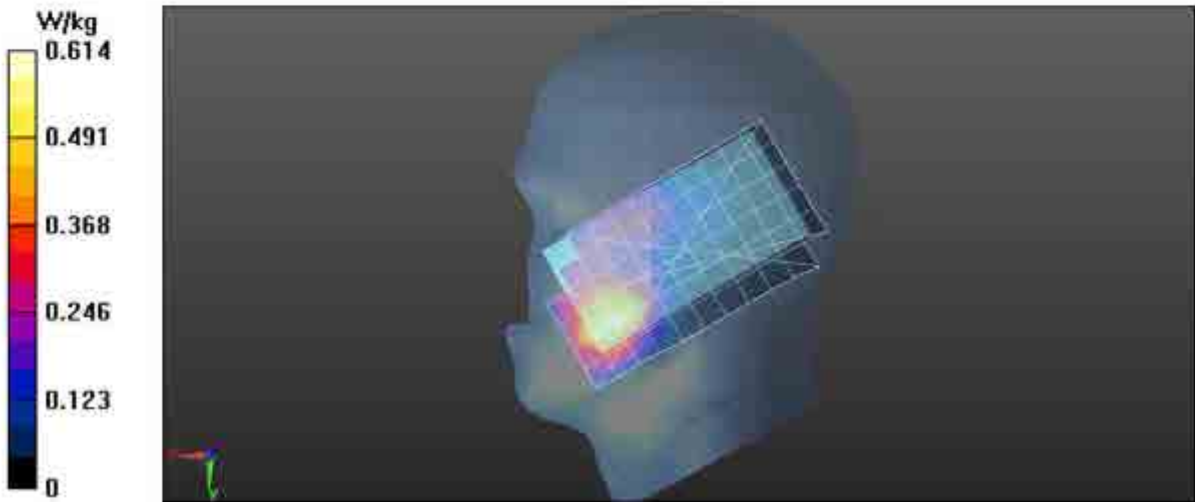
Comments: 20 MHz BW 50% RB offset:lower

Duty Cycle: 1:3.81066. Medium parameters used: $f = 1733$ MHz; $\sigma = 1.3$ S/m; $\epsilon_r = 41$; $\rho = 1000$ kg/m³
Probe: ES3DV3 - SN3301, Frequency: 1732.5 MHz. ConvF(5.04, 5.04, 5.04); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Right Ear-Touch Position/1-Area Scan (7x12x1): Measurement grid:
dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.614 W/kg

Below 2 GHz-Rev.2/Right Ear-Touch Position/Zoom Scan (6x6x7)/Cube 0: Measurement
grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.24 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.827 W/kg
SAR(1 g) = 0.567 W/kg; SAR(10 g) = 0.357 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.584 W/kg

Below 2 GHz-Rev.2/Right Ear-Touch Position/4-Z-Axis Scan (1x1x17): Measurement grid:
dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.630 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/14/2015 1:09:09 PM

Robot#: DASY5-FL-2 | Run#: ErC-Ab-150814-09
 Model#: LEX101
 Phantom#: OVAL1090
 Tissue Temp: 21.5 (C)
 Serial#: 171PRL0854
 Antenna: Ant 2
 Test Freq: 836.5 (MHz)
 Battery: PMNN4472B Standard
 Carry Acc: HKLN4618A Rev 1 back
 Audio Acc: None
 Start Power: 199 (W)

Comments: 10 MHz BW 50% RB offset:lower

Duty Cycle: 1.375837, Medium parameters used: $f = 837$ MHz; $\sigma = 1$ S/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3301, Frequency: 836.5 MHz, ConvF(6, 6, 6); Calibrated: 9/24/2014

Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.385 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 17.17 V/m; Power Drift = 0.04 dB

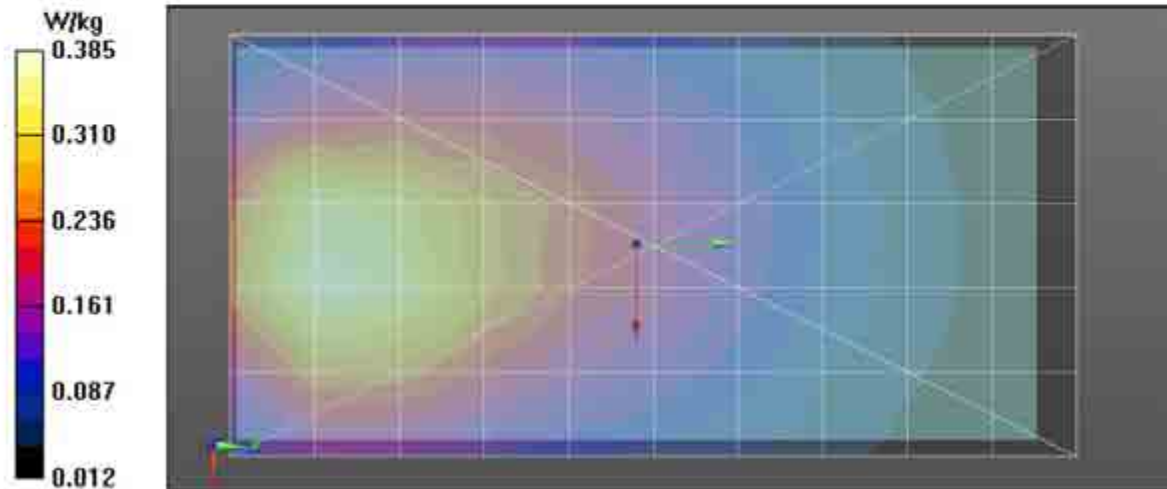
Peak SAR (extrapolated) = 0.474 W/kg

SAR(1 g) = 0.348 W/kg; SAR(10 g) = 0.243 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.396 W/kg

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

Maximum value of SAR (measured) = 0.394 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/16/2015 1:42:31 AM

Robot#: DASY5-FL-2 | Run#: ErC-Ab-150816-04
Model#: LEX10I
Phantom#: OVAL1090
Tissue Temp: 21.7 (C)
Serial#: 171PRL0854
Antenna: Ant 2
Test Freq: 836.5 (MHz)
Battery: PMNN4472B Standard
Carry Acc: Back of DUT @ 1cm
Audio Acc: None
Start Power: .199 (W)

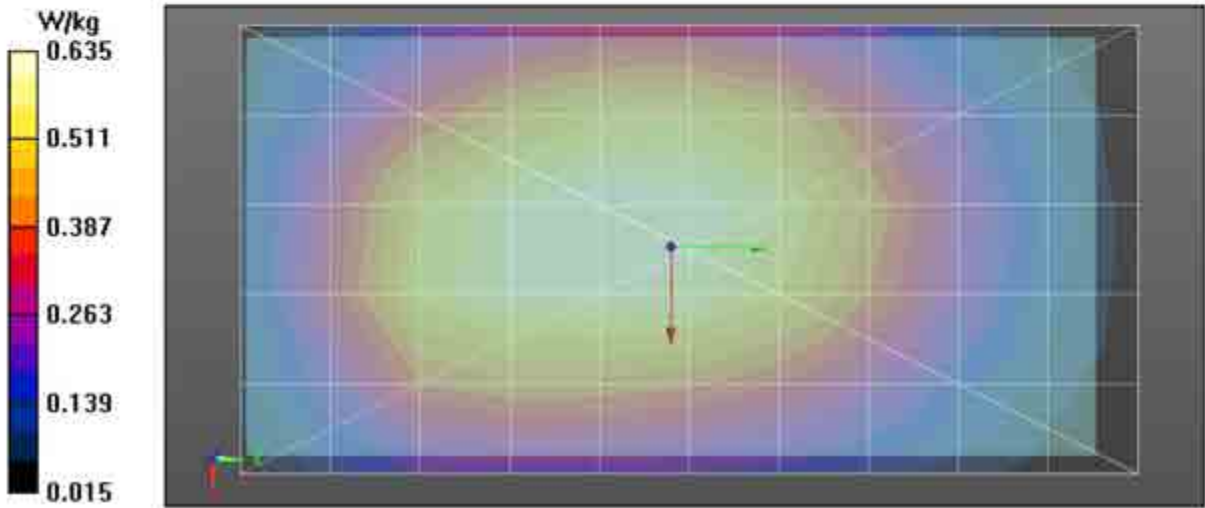
Comments: 10 MHz BW 50% RB offset:lower

Duty Cycle: 1:3.75837, Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 1.02 \text{ S/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, Frequency: 836.5 MHz, ConvF(6, 6, 6); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (6x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.635 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 25.70 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.738 W/kg
SAR(1 g) = 0.580 W/kg; SAR(10 g) = 0.437 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.639 W/kg

Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$
Maximum value of SAR (measured) = 0.637 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/20/2015 1:29:25 PM

Robot#: DASY5-FL-2 | Run#: ErC-Lear-150820-21
Model#: LEX10I
Phantom#: SAMTP1208
Tissue Temp: 21.2 (C)
Serial#: 171PRL0854
Antenna: Ant 2
Test Freq: 836.5 (MHz)
Battery: PMNN4472B Standard
Carry Acc: Touch
Audio Acc: None
Start Power: .199 (W)

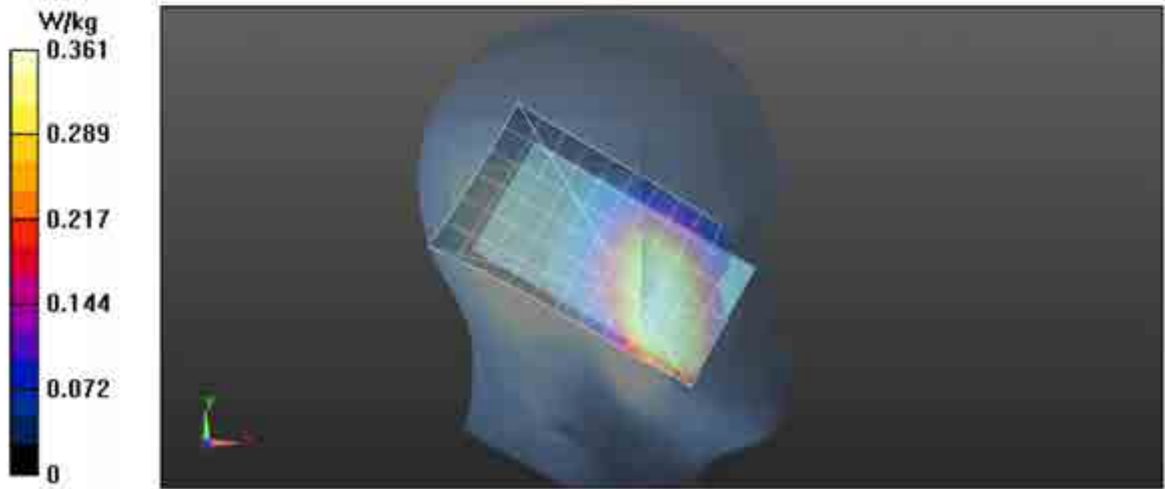
Comments: 10 MHz BW 50% RB offset:lower

Duty Cycle: 1:3.75837, Medium parameters used: f = 837 MHz; $\sigma = 0.9 \text{ S/m}$; $\epsilon_r = 40.8$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, Frequency: 836.5 MHz, ConvF(6.23, 6.23, 6.23); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Left Ear-Touch position/1-Area Scan (7x12x1): Measurement grid:
dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.361 W/kg

Below 2 GHz-Rev.2/Left Ear-Touch position/Zoom Scan (6x8x7)/Cube 0: Measurement grid:
dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.84 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.418 W/kg
SAR(1 g) = 0.338 W/kg; SAR(10 g) = 0.259 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.351 W/kg

Below 2 GHz-Rev.2/Left Ear-Touch position/4-Z-Axis Scan (1x1x17): Measurement grid:
dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.372 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/18/2015 9:35:02 AM

Robot#: DASY5-FL-2 Run#: EtC-Ab-150918-08
 Model#: LEX10I
 Phantom#: Triple 1168-1
 Tissue Temp: 21.0 (C)
 Serial#: 171PRQ0394
 Antenna: Ant 1
 Test Freq: 2535 (MHz)
 Battery: PMNN4472B Standard
 Carry Acc: HKLN4618A Rev 1 back
 Audio Acc: None
 Start Power: 146 (W)

Comments: 20 MHz BW 50 % RB offset:upper

Duty Cycle: 1:3.81066. Medium parameters used: $f = 2535$ MHz; $\sigma = 2.1$ S/m; $\epsilon_r = 51.1$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3291, Frequency: 2535 MHz, ConvF(4.12, 4.12, 4.12); Calibrated: 7/21/2015

Electronics: DAE4 Sn850; Calibrated: 8/24/2015

2-3 GHz-Rev.2/Ab Scan/1-Area Scan (14x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.566 W/kg

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

Reference Value = 13.43 V/m; Power Drift = -0.01 dB

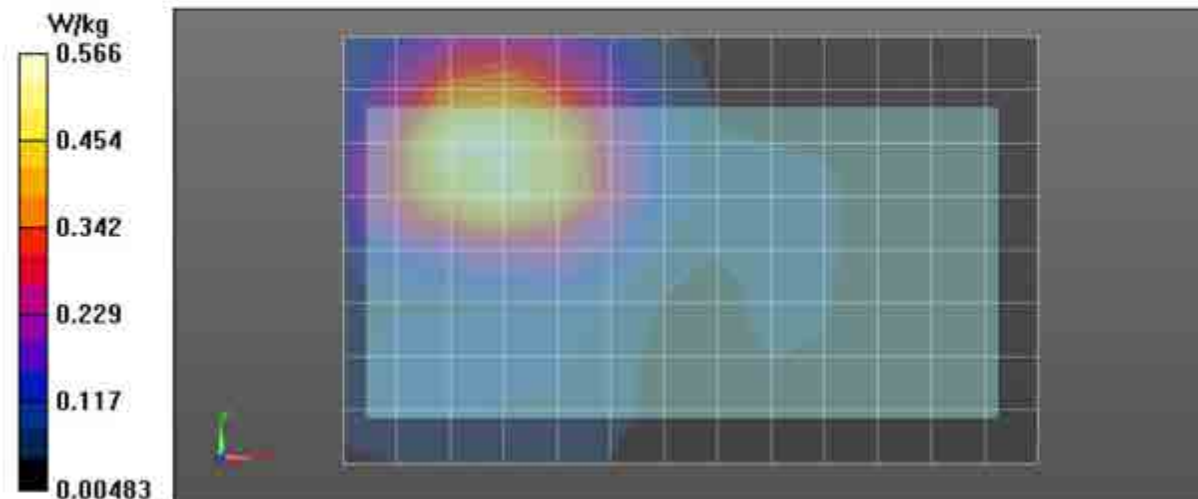
Peak SAR (extrapolated) = 0.909 W/kg

SAR(1 g) = 0.482 W/kg; SAR(10 g) = 0.273 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.587 W/kg

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

Maximum value of SAR (measured) = 0.597 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/18/2015 1:24:31 PM

Robot#: DASY5-FL-2 Run#: EtC-Ab-150918-15
 Model#: LEX101
 Phantom#: Triple 1168-1
 Tissue Temp: 20.9 (C)
 Serial#: 171PRQ0394
 Antenna: Ant 1
 Test Freq: 2535 (MHz)
 Battery: PMNN4472B Standard
 Carry Acc: Back of DUT @ 1cm
 Audio Acc: None
 Start Power: .146 (W)

Comments: 20 MHz BW 50 % RB offset:upper

Duty Cycle: 1:3.81066, Medium parameters used: $f = 2535$ MHz; $\sigma = 2.1$ S/m; $\epsilon_r = 51.1$; $\rho = 1000$ kg/m³
 Probe: ES3DV3 - SN3291, Frequency: 2535 MHz, ConvF(4.12, 4.12, 4.12); Calibrated: 7/21/2015
 Electronics: DAE4 Sn850, Calibrated: 8/24/2015

2-3 GHz-Rev.2/Ab Scan/1-Area Scan (14x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.856 W/kg

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

dz=5mm

Reference Value = 13.51 V/m; Power Drift = 0.02 dB

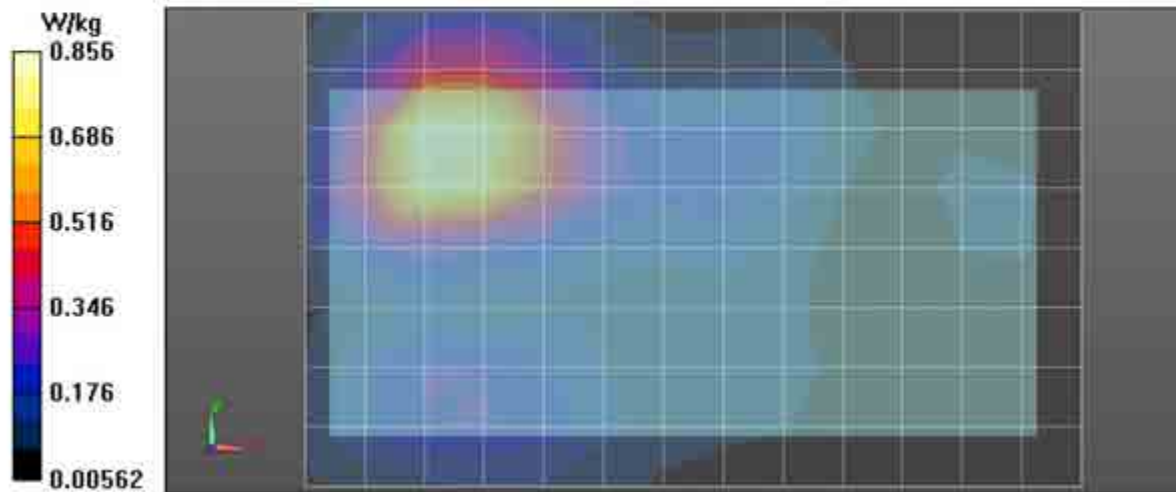
Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.763 W/kg; SAR(10 g) = 0.401 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.957 W/kg

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

Maximum value of SAR (measured) = 0.958 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 9/16/2015 9:08:38 AM

Robot#: DASY5-FL-2 | Run#: ErC-Rear-150916-07
Model#: LEX101
Phantom#: SAMTP1208
Tissue Temp: 20.7 (C)
Serial#: 171PRQ0394
Antenna: Ant 1
Test Freq: 2560 (MHz)
Battery: PMNN4472B Standard
Carry Acc: Touch
Audio Acc: None
Start Power: 180 (W)

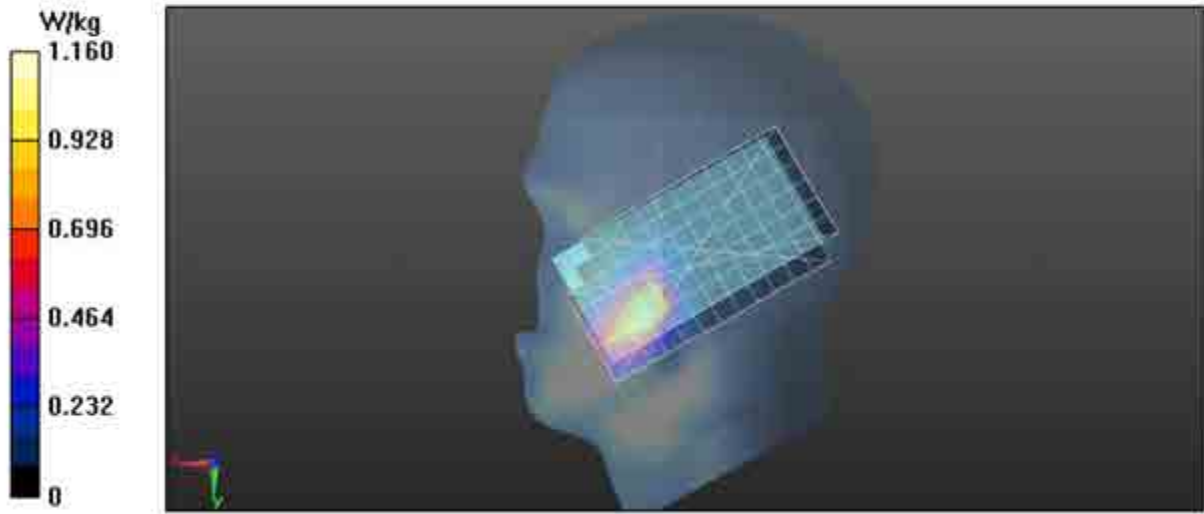
Comments: 20 MHz BW 1 RB offset:middle

Duty Cycle: 1:3.74111, Medium parameters used: f = 2560 MHz; $\sigma = 1.89 \text{ S/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3291, Frequency: 2560 MHz, ConvF(4.37, 4.37, 4.37); Calibrated: 7/21/2015
Electronics: DAE4 Sn850, Calibrated: 8/24/2015

2-3 GHz-Rev.2/Right Ear-Touch Position/1-Area Scan (8x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.16 W/kg

2-3 GHz-Rev.2/Right Ear-Touch Position/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 24.27 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.86 W/kg
SAR(1 g) = 1 W/kg; SAR(10 g) = 0.522 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.11 W/kg

2-3 GHz-Rev.2/Right Ear-Touch Position/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.22 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/16/2015 4:01:31 AM

Robot#: DASY5-FL-2 | Run#: ErC-Ab-150816-11
Model#: LEX101
Phantom#: OVAL1090
Tissue Temp: 21.6 (C)
Serial#: 171PRL0854
Antenna: Ant 2
Test Freq: 910 (MHz)
Battery: PMNN4472B Standard
Carry Acc: HKLN4618A Rev 1 back
Audio Acc: None
Start Power: .192 (W)

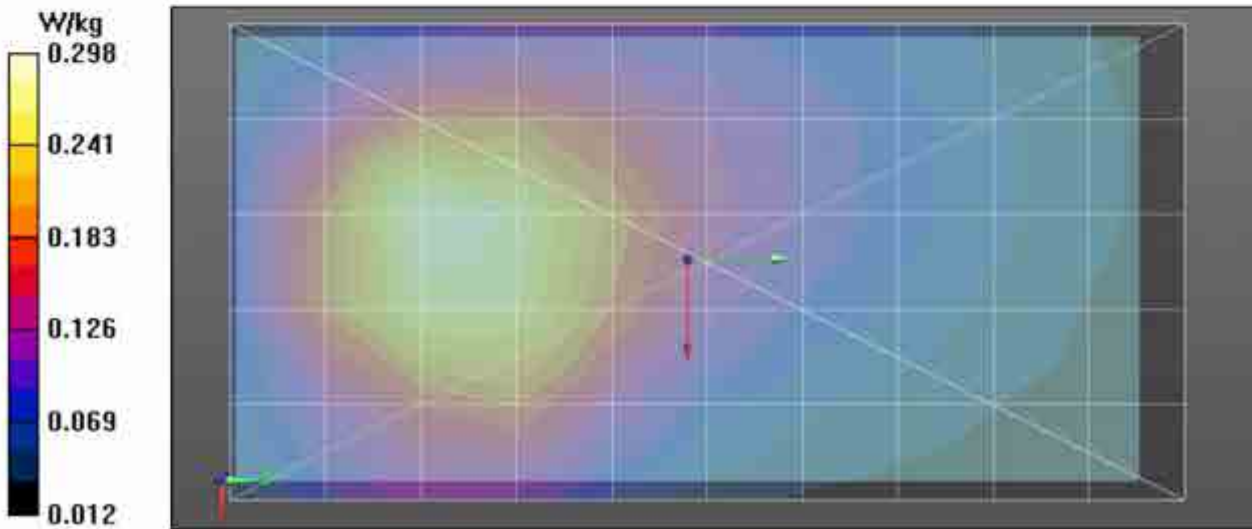
Comments: 10 MHz BW 1 RB offset:upper

Duty Cycle: 1:3.7325, Medium parameters used: $f = 910 \text{ MHz}$; $\sigma = 1.09 \text{ S/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, Frequency: 910 MHz, ConvF(6, 6, 6); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (6x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.298 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 16.54 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.384 W/kg
SAR(1 g) = 0.272 W/kg; SAR(10 g) = 0.183 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.314 W/kg

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



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/16/2015 6:09:29 AM

Robot#: DASY5-FL-2 | Run#: ErC-Ab-150816-18
Model#: LEX10I
Phantom#: OVAL1090
Tissue Temp: 21.5 (C)
Serial#: 171PRL0854
Antenna: Ant 2
Test Freq: 910 (MHz)
Battery: PMNN4472B Standard
Carry Acc: Back of DUT @ 1cm
Audio Acc: None
Start Power: .196 (W)

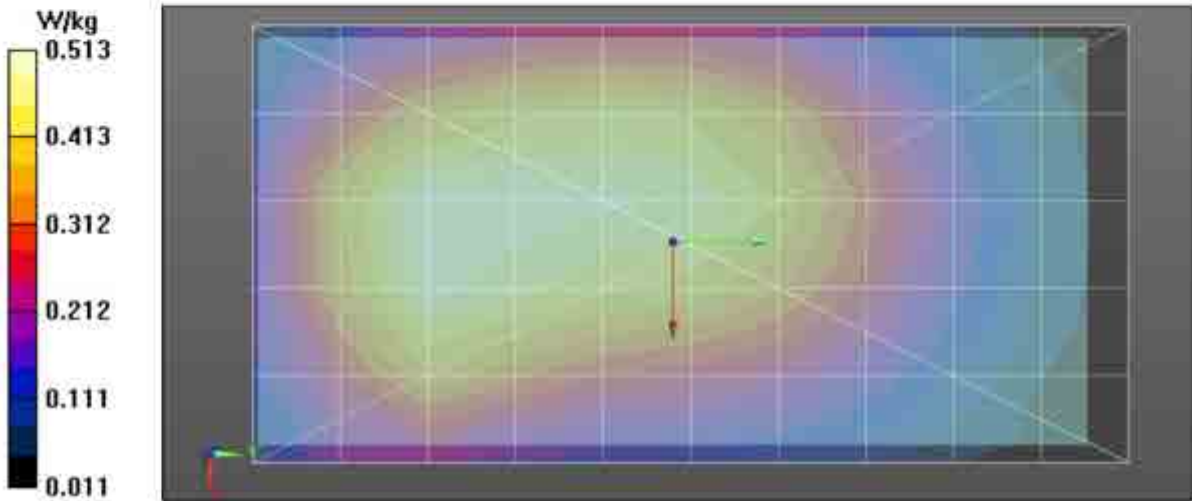
Comments: 10 MHz BW 50% RB offset:upper

Duty Cycle: 1:3.75837. Medium parameters used: $f = 910 \text{ MHz}$; $\sigma = 1.09 \text{ S/m}$; $\epsilon_r = 53.5$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, Frequency: 910 MHz, ConvF(6, 6, 6); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (6x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.513 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 22.28 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.644 W/kg
SAR(1 g) = 0.482 W/kg; SAR(10 g) = 0.348 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.542 W/kg

Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$
Maximum value of SAR (measured) = 0.534 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/21/2015 10:56:26 AM

Robot#: DASY5-FL-2 | Run#: ErC-Rear-150821-21
Model#: LEX10I
Phantom#: SAMTP1208
Tissue Temp: 22.7 (C)
Serial#: 171PRL0854
Antenna: Ant 2
Test Freq: 910 (MHz)
Battery: PMNN4472B Standard
Carry Acc: Touch
Audio Acc: None
Start Power: .196 (W)

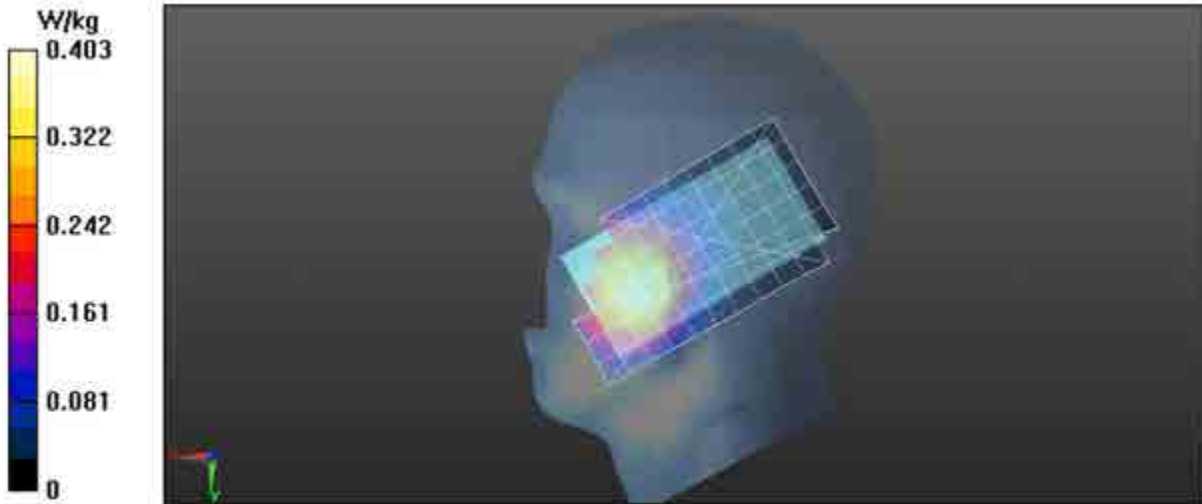
Comments: 10 MHz BW 50% RB offset:upper

Duty Cycle: 1:3.75837, Medium parameters used: $f = 910 \text{ MHz}$; $\sigma = 0.99 \text{ S/m}$; $\epsilon_r = 41$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, Frequency: 910 MHz, ConvF(6.23, 6.23, 6.23); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Right Ear-Touch Position/1-Area Scan (7x12x1): Measurement grid:
 $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.403 W/kg

Below 2 GHz-Rev.2/Right Ear-Touch Position/Zoom Scan (6x6x7)/Cube 0: Measurement
grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 19.93 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.478 W/kg
SAR(1 g) = 0.373 W/kg; SAR(10 g) = 0.281 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.386 W/kg

Below 2 GHz-Rev.2/Right Ear-Touch Position/4-Z-Axis Scan (1x1x17): Measurement grid:
 $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$
Maximum value of SAR (measured) = 0.414 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/16/2015 8:15:00 AM

Robot#: DASY5-FL-2 | Run#: ErC-Ab-150816-25
 Model#: LEX10I
 Phantom#: OVAL1090
 Tissue Temp: 21.5 (C)
 Serial#: 171PRL0854
 Antenna: Ant 2
 Test Freq: 847 (MHz)
 Battery: PMNN4472B Standard
 Carry Acc: HKLN4618A Rev 1 back
 Audio Acc: None
 Start Power: 219 (W)

Comments: 20 MHz BW 1 RB offset:lower

Duty Cycle: 1:3.74111, Medium parameters used: $f = 847$ MHz; $\sigma = 1.03$ S/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3301, , Frequency: 847 MHz, ConvF(6, 6, 6); Calibrated: 9/24/2014

Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.385 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 17.81 V/m; Power Drift = -0.02 dB

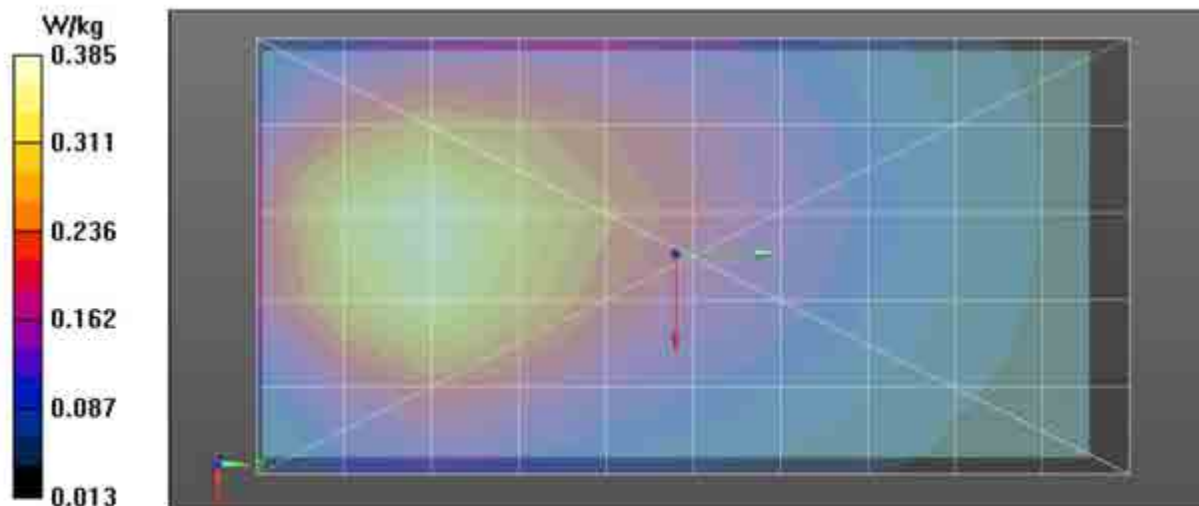
Peak SAR (extrapolated) = 0.485 W/kg

SAR(1 g) = 0.353 W/kg; SAR(10 g) = 0.245 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.397 W/kg

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

Maximum value of SAR (measured) = 0.400 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/18/2015 10:56:04 AM

Robot#: DASY5-FL-2 | Run#: ErC-Ab-150818-18
Model#: LEX101
Phantom#: OVAL1090
Tissue Temp: 23.5 (C)
Serial#: 171PRL0854
Antenna: Ant 2
Test Freq: 847 (MHz)
Battery: PMNN4472B Standard
Carry Acc: Back of DUT @ 1cm
Audio Acc: None
Start Power: 219 (W)

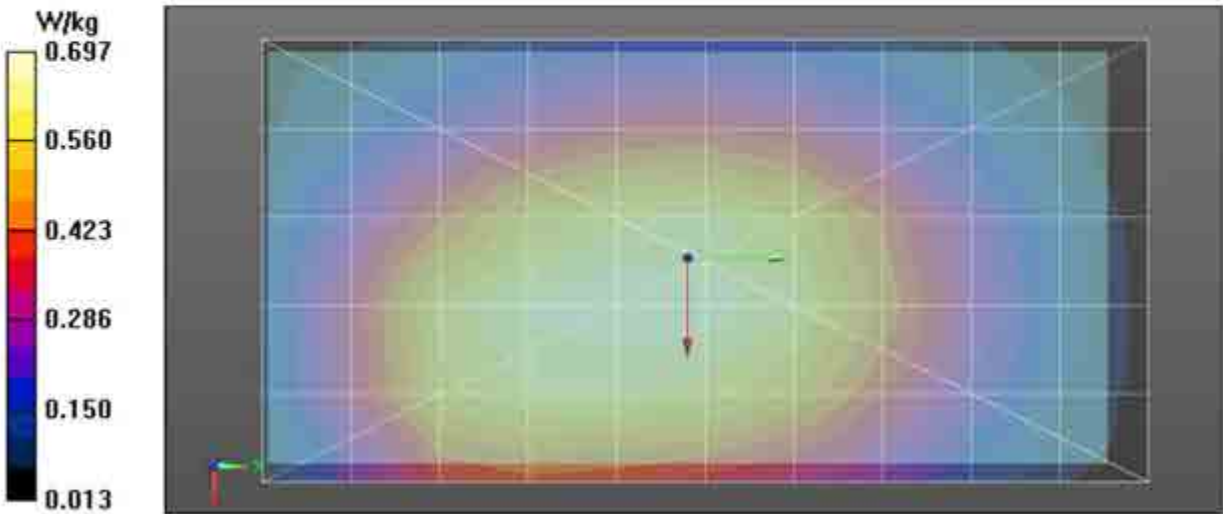
Comments: 20 MHz BW 1 RB offset:lower

Duty Cycle: 1:3.74111, Medium parameters used: f = 847 MHz; $\sigma = 1.03 \text{ S/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, Frequency: 847 MHz, ConvF(6, 6, 6); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.697 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 25.52 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.818 W/kg
SAR(1 g) = 0.638 W/kg; SAR(10 g) = 0.478 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.706 W/kg

Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.700 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/21/2015 6:20:34 AM

Robot#: DASY5-FL-2 | Run#: ErC-Lear-150821-07
Model#: LEX10I
Phantom#: SAMTP1208
Tissue Temp: 22.8 (C)
Serial#: 171PRL0854
Antenna: Ant 2
Test Freq: 847 (MHz)
Battery: PMNN4472B Standard
Carry Acc: Touch
Audio Acc: None
Start Power: 219 (W)

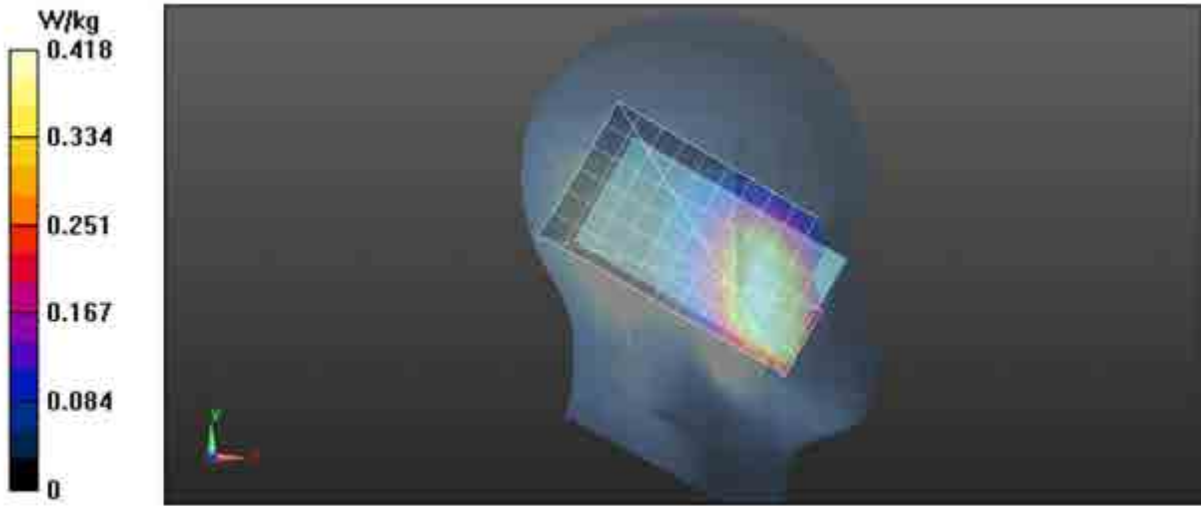
Comments: 20 MHz BW 1 RB offset:lower

Duty Cycle: 1:3.74111, Medium parameters used: $f = 847 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, Frequency: 847 MHz, ConvF(6.23, 6.23, 6.23); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Left Ear-Touch position/1-Area Scan (7x12x1): Measurement grid:
 $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.418 W/kg

Below 2 GHz-Rev.2/Left Ear-Touch position/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
 $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 22.22 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.488 W/kg
SAR(1 g) = 0.388 W/kg; SAR(10 g) = 0.298 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.408 W/kg

Below 2 GHz-Rev.2/Left Ear-Touch position/4-Z-Axis Scan (1x1x17): Measurement grid:
 $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$
Maximum value of SAR (measured) = 0.425 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/19/2015 4:19:04 AM

Robot#: DASY5-FL-2 | Run#: ErC-Ab-150819-02
Model#: LEX10I
Phantom#: OVAL1090
Tissue Temp: 23.3 (C)
Serial#: 171PRL0854
Antenna: Ant 2
Test Freq: 831.5 (MHz)
Battery: PMNN4472B Standard
Carry Acc: HKLN4618A Rev 1 back
Audio Acc: None
Start Power: 199 (W)

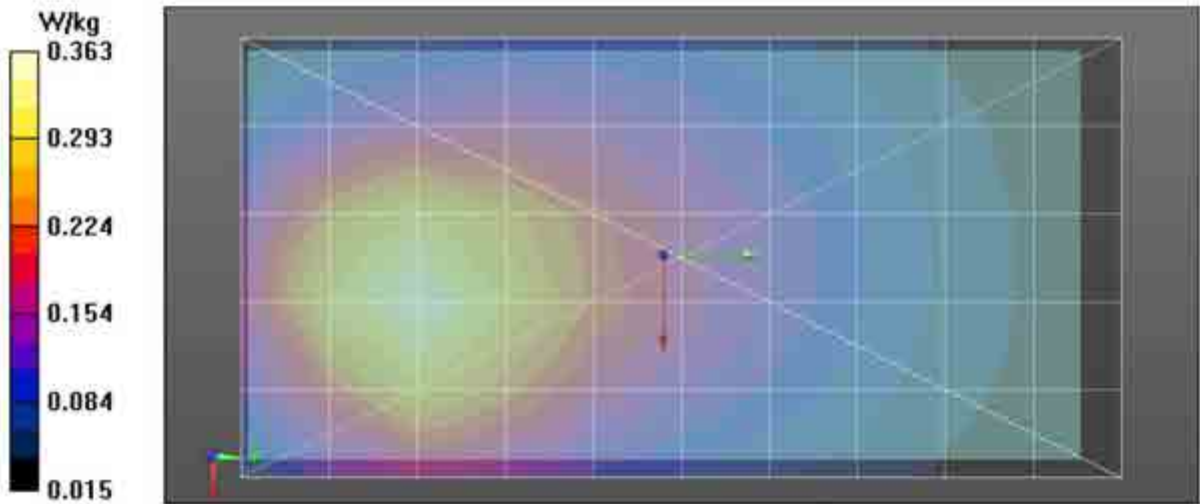
Comments: 15 MHz BW 1 RB offset:lower

Duty Cycle: 1:3.7325, Medium parameters used: $f = 832$ MHz; $\sigma = 1.01$ S/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³
Probe: ES3DV3 - SN3301, , Frequency: 831.5 MHz, ConvF(6, 6, 6); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.363 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 17.19 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.447 W/kg
SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.225 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.365 W/kg

Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.366 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/19/2015 6:25:02 AM

Robot#: DASY5-FL-2 | Run#: ErC-Ab-150819-09
Model#: LEX101
Phantom#: OVAL1090
Tissue Temp: 22.9 (C)
Serial#: 171PRL0854
Antenna: Ant 2
Test Freq: 831.5 (MHz)
Battery: PMNN4472B Standard
Carry Acc: Back of DUT @ 1cm
Audio Acc: None
Start Power: 204 (W)

Comments: 15 MHz BW 50% RB offset:lower

Duty Cycle: 1:3.81944, Medium parameters used: $f = 832$ MHz; $\sigma = 1.01$ S/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³

Probe: ES3DV3 - SN3301, Frequency: 831.5 MHz, ConvF(6, 6, 6); Calibrated: 9/24/2014

Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.658 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 25.69 V/m; Power Drift = -0.01 dB

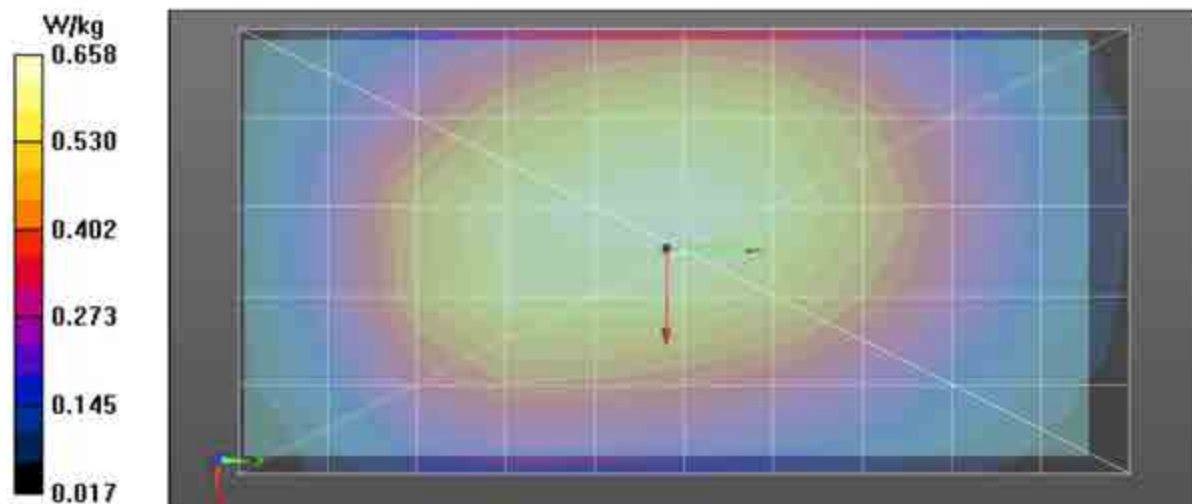
Peak SAR (extrapolated) = 0.763 W/kg

SAR(1 g) = 0.597 W/kg; SAR(10 g) = 0.448 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.661 W/kg

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

Maximum value of SAR (measured) = 0.656 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/21/2015 8:18:54 AM

Robot#: DASY5-FL-2 | Run#: ErC-Lear-150821-13
Model#: LEX10I
Phantom#: SAMTP1208
Tissue Temp: 22.6 (C)
Serial#: 171PRL0854
Antenna: Ant 2
Test Freq: 831.5 (MHz)
Battery: PMNN4472B Standard
Carry Acc: Touch
Audio Acc: None
Start Power: .204 (W)

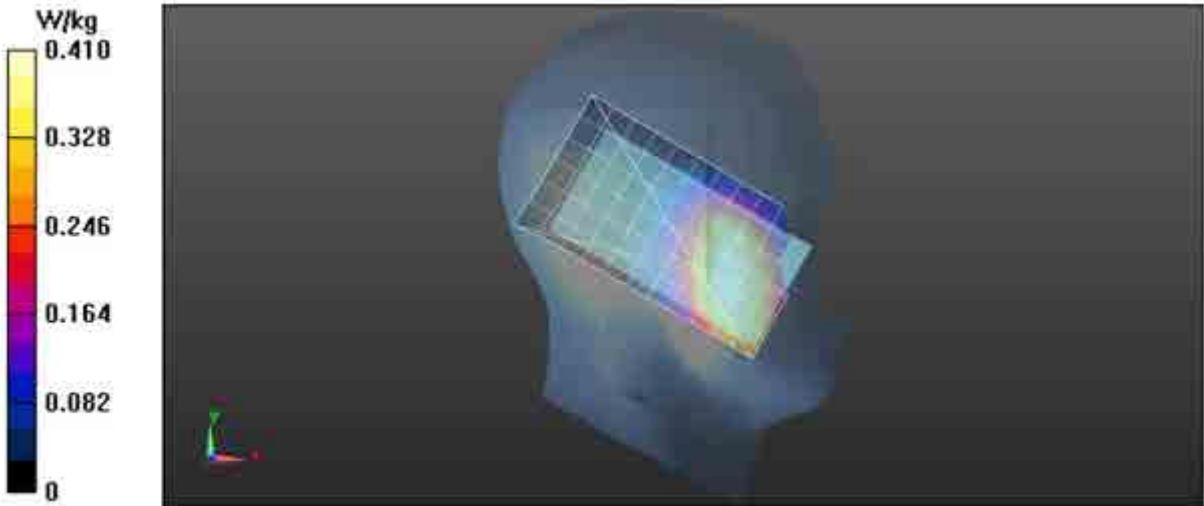
Comments: 15 MHz BW 50% RB offset: lower

Duty Cycle: 1:3.81944, Medium parameters used: f = 832 MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 41.9$; $\rho = 1000$ kg/m³
Probe: ES3DV3 - SN3301, . Frequency: 831.5 MHz, ConvF(6.23, 6.23, 6.23); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Left Ear-Touch position/1-Area Scan (7x12x1): Measurement grid:
dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.410 W/kg

Below 2 GHz-Rev.2/Left Ear-Touch position/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.03 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.483 W/kg
SAR(1 g) = 0.390 W/kg; SAR(10 g) = 0.300 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.411 W/kg

Below 2 GHz-Rev.2/Left Ear-Touch position/4-Z-Axis Scan (1x1x17): Measurement grid:
dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.426 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/18/2015 4:54:23 AM

Robot#: DASY5-FL-2 | Run#: ErC-Ab-150818-03
Model#: LEX10I
Phantom#: OVAL1090
Tissue Temp: 24.7 (C)
Serial#: 171PRL0854
Antenna: Ant 2
Test Freq: 725.5 (MHz)
Battery: PMNN4472B Standard
Carry Acc: HKLN4618A Rev 1 back
Audio Acc: None
Start Power: 190 (W)

Comments: 20 MHz BW 1 RB offset:middle

Duty Cycle: 1:3.74111. Medium parameters used: $f = 726$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 55.7$; $\rho = 1000$ kg/m³
Probe: ES3DV3 - SN3301, , Frequency: 725.5 MHz, ConvF(6.15, 6.15, 6.15); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm

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

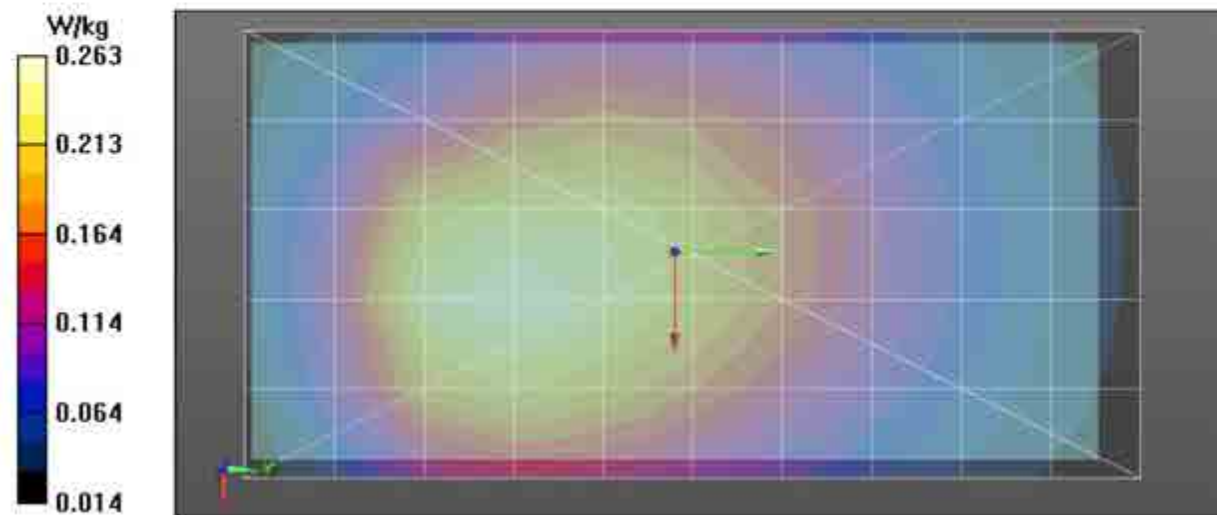
Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 17.06 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.322 W/kg

SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.183 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.268 W/kg

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

Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/18/2015 6:36:23 AM

Robot#: DASY5-FL-2 | Run#: ErC-Ab-150818-08
Model#: LEX10f
Phantom#: OVAL1090
Tissue Temp: 24.1 (C)
Serial#: 171PRL0854
Antenna: Ant 2
Test Freq: 725.5 (MHz)
Battery: PMNN4472B Standard
Carry Acc: Back of DUT @ 1cm
Audio Acc: None
Start Power: .190 (W)

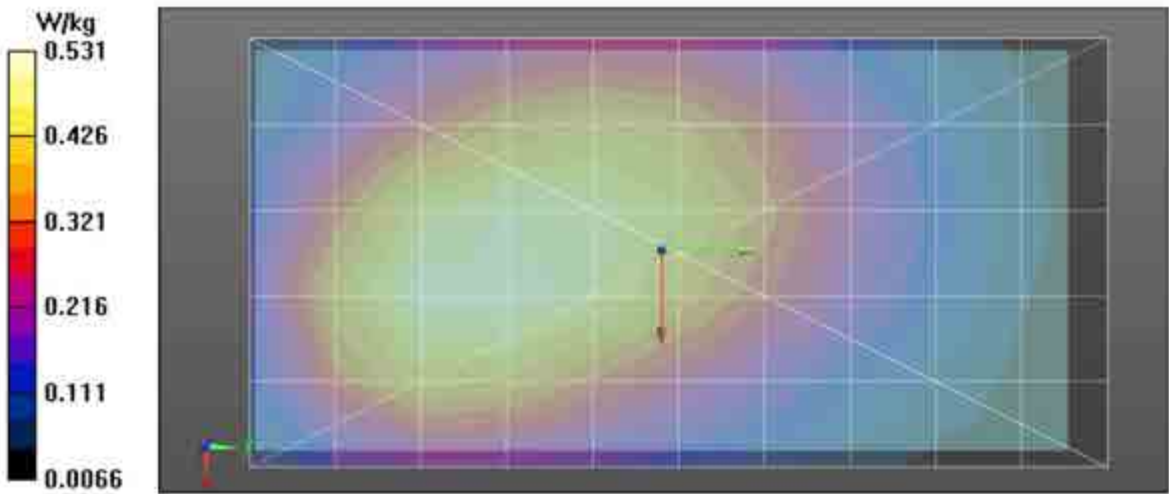
Comments: 20 MHz BW 1 RB offset:middle

Duty Cycle: 1:3.74111, Medium parameters used: $f = 726 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $\epsilon_r = 55.7$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, Frequency: 725.5 MHz, ConvF(6.15, 6.15, 6.15); Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

Below 2 GHz-Rev.2/Ab Scan/1-Area Scan (6x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.531 W/kg

Below 2 GHz-Rev.2/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$,
 $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 24.78 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.646 W/kg
SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.371 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.542 W/kg

Below 2 GHz-Rev.2/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$,
 $dz=10\text{mm}$
Maximum value of SAR (measured) = 0.540 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/19/2015 12:59:26 PM

Robot#: DASY5-FL-2 | Run#: ErC-Lear-150819-27
Model#: LEX101
Phantom#: SAMTP1208
Tissue Temp: 22.0 (C)
Serial#: 171PRL0854
Antenna: Ant 2
Test Freq: 725.5 (MHz)
Battery: PMNN4472B Standard
Carry Acc: Touch
Audio Acc: None
Start Power: .190 (W)

Comments: 20 MHz BW 50% RB offset:upper

Duty Cycle: 1:3.81066, Medium parameters used: f = 726 MHz; $\sigma = 0.88 \text{ S/m}$; $\epsilon_r = 44.1$; $\rho = 1000 \text{ kg/m}^3$
Probe: ES3DV3 - SN3301, Frequency: 725.5 MHz, ConvF(6.53, 6.53, 6.53), Calibrated: 9/24/2014
Electronics: DAE3 Sn363, Calibrated: 1/15/2015

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

dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.388 W/kg

Below 2 GHz-Rev.2/Left Ear-Touch position/Zoom Scan (6x7x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.19 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.482 W/kg
SAR(1 g) = 0.378 W/kg; SAR(10 g) = 0.284 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.391 W/kg

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

dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.410 W/kg

