

Conducted Power of LTE Band 7 (dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20775	21100	21425
5MHz	QPSK	1	0	0	24.01	23.38	22.34
			12	0	24.02	23.50	22.53
			24	0	23.78	23.36	22.48
		12	0	1	22.92	22.43	21.35
			6	1	22.97	22.43	21.32
			13	1	22.79	22.36	21.40
		25	0	1	22.86	22.41	21.40
	16QAM	1	0	1	22.83	22.36	21.17
			12	1	22.85	22.51	21.38
			24	1	22.60	22.38	21.33
		12	0	2	21.88	21.42	20.28
			6	2	21.90	21.42	20.26
			13	2	21.74	21.36	20.34
		25	0	2	21.83	21.34	20.32
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20800	21100	21400
10MHz	QPSK	1	0	0	24.00	23.58	22.32
			24	0	23.90	23.65	22.53
			49	0	23.78	23.51	22.49
		25	0	1	22.94	22.53	21.34
			12	1	22.92	22.52	21.32
			25	1	22.80	22.47	21.46
		50	0	1	22.87	22.50	21.40
	16QAM	1	0	1	22.97	22.31	21.24
			24	1	22.86	22.33	21.48
			49	1	22.74	22.28	21.44
		25	0	2	21.83	21.48	20.22
			12	2	21.88	21.51	20.21
			25	2	21.72	21.46	20.36
		50	0	2	21.78	21.41	20.26

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Conducted Power of LTE Band 7 (dBm)

Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20825	21100	21375
15MHz	QPSK	1	0	0	23.90	23.47	22.29
			37	0	23.79	23.45	22.39
			74	0	23.71	23.32	22.38
		37	0	1	22.82	22.55	21.23
			16	1	22.73	22.54	21.31
			35	1	22.70	22.43	21.32
		75	0	1	22.94	22.59	21.44
	16QAM	1	0	1	22.84	22.57	21.24
			37	1	22.74	22.50	21.34
			74	1	22.68	22.39	21.28
		37	0	2	22.79	22.59	21.21
			16	2	22.74	22.51	21.33
			35	2	22.70	22.42	21.33
		75	0	2	21.82	21.51	20.30
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20850	21100	21350
20MHz	QPSK	1	0	0	23.72	23.55	22.39
			49	0	23.81	23.61	22.54
			99	0	23.64	23.30	22.23
		50	0	1	22.73	22.58	21.30
			25	1	22.77	22.57	21.35
			49	1	22.87	22.42	21.36
		100	0	1	22.83	22.50	21.33
	16QAM	1	0	1	22.52	22.59	21.24
			49	1	22.67	22.59	21.27
			99	1	22.48	22.39	21.06
		50	0	2	21.71	21.55	20.28
			25	2	21.66	21.54	20.24
			49	2	21.82	21.33	20.29
		100	0	2	21.78	21.46	20.28

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Conducted Power of LTE Band 12(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23017	23095	23173
1.4MHz	QPSK	1	0	0	23.21	22.75	23.37
			2	0	23.30	22.76	23.44
			5	0	23.21	22.53	23.32
		3	0	0	23.28	22.65	23.44
			1	0	23.28	22.69	23.42
			2	0	23.31	22.60	23.40
		6	0	1	22.22	21.64	22.37
	16QAM	1	0	1	22.09	21.49	22.21
			2	1	22.26	21.47	22.34
			5	1	22.11	21.31	22.23
		3	0	1	22.13	21.48	22.22
			1	1	22.09	21.50	22.21
			2	1	22.08	21.41	22.22
		6	0	2	21.25	20.48	21.43
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23025	23095	23165
3MHz	QPSK	1	0	0	23.43	22.90	22.13
			7	0	23.29	22.70	22.10
			14	0	23.35	22.47	22.06
		8	0	1	22.27	21.73	21.05
			4	1	22.28	21.72	21.12
			7	1	22.30	21.45	21.06
		15	0	1	22.25	21.59	21.04
	16QAM	1	0	1	22.33	21.76	20.78
			7	1	22.34	21.45	20.84
			14	1	22.36	21.24	20.86
		8	0	2	21.31	20.68	20.04
			4	2	21.31	20.71	20.06
			7	2	21.35	20.45	20.06
		15	0	2	21.31	20.54	20.00

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Conducted Power of LTE Band 12(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23035	23095	23155
5MHz	QPSK	1	0	0	23.29	22.93	22.10
			12	0	23.46	22.61	22.12
			24	0	23.29	22.24	22.05
		12	0	1	22.25	21.84	21.04
			6	1	22.22	21.81	21.03
			13	1	22.30	21.34	21.05
		25	0	1	22.25	21.62	21.07
	16QAM	1	0	1	22.18	21.99	20.92
			12	1	22.32	21.68	21.02
			24	1	22.13	21.29	20.88
		12	0	2	21.25	20.86	20.06
			6	2	21.22	20.91	20.07
			13	2	21.36	20.39	20.10
		25	0	2	21.34	20.58	20.13
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23060	23095	23130
10MHz	QPSK	1	0	0	23.32	23.25	22.82
			25	0	23.40	22.82	22.43
			49	0	22.51	22.16	22.11
		25	0	1	22.24	21.96	21.68
			13	1	22.24	21.97	21.69
			25	1	22.00	21.23	21.21
		50	0	1	22.11	21.68	21.47
	16QAM	1	0	1	22.07	22.24	21.64
			25	1	22.19	21.88	21.21
			49	1	21.22	21.14	20.91
		25	0	2	21.32	20.99	20.72
			13	2	21.30	20.98	20.72
			25	2	21.03	20.26	20.25
		50	0	2	21.13	20.65	20.54

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Conducted Power of LTE Band 17(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23755	23790	23825
5MHz	QPSK	1	0	0	23.03	22.49	22.05
			12	0	22.75	22.25	22.09
			24	0	22.33	21.94	21.98
		12	0	1	21.94	21.41	20.90
			6	1	21.89	21.41	20.94
			13	1	21.51	21.00	21.04
		25	0	1	21.69	21.22	21.00
	16QAM	1	0	1	22.09	21.34	20.96
			12	1	21.83	21.11	20.99
			24	1	21.36	20.84	20.92
		12	0	2	20.98	20.43	19.93
			6	2	20.98	20.44	19.99
			13	2	20.56	20.05	20.05
		25	0	2	20.67	20.29	20.02
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23780	23790	23800
10MHz	QPSK	1	0	0	23.60	22.97	22.76
			24	0	22.50	22.32	22.19
			49	0	22.01	21.98	22.04
		25	0	1	21.77	21.74	21.60
			12	1	21.81	21.72	21.61
			25	1	21.08	21.12	21.16
		50	0	1	21.54	21.47	21.36
	16QAM	1	0	1	22.08	21.74	21.47
			24	1	21.42	21.09	20.85
			49	1	21.01	20.82	20.75
		25	0	2	20.78	20.76	20.64
			12	2	20.76	20.75	20.62
			25	2	20.08	20.13	20.19
		50	0	2	20.50	20.47	20.37

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The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.

UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3.3-1 of the 3GPP TS36.101.

Table 6.2.3.3-1 Maximum Power Reduction (MPR) for Power class3

Modulation	Maximum Power Reduction (MPR) for Power[RB]						MPR(dB)
	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2

The allowed A-MPR values specified below in Table 6.2.4.3-1 of 3GPP TS36.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of "NS_01".3

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Table 6.2.4.3-1: Additional Maximum Power Reduction (A-MPR) / Spectrum Emission requirements

Network Signaling value	Requirements (sub-clause)	E-UTRA Band	Channel bandwidth (MHz)	Resources Blocks (N_{RB})	A-MPR (dB)
NS_01	6.6.2.1.1	Table 5.2-1	1.4,3,5,10,15,20	Table 5.4.2-1	N/A
NS_03	6.6.2.2.3.1	2,4,10, 23, 25,35,36	3	>5	≤ 1
			5	>6	≤ 1
			10	>6	≤ 1
			15	>8	≤ 1
			20	>10	≤ 1
NS_04	6.6.2.2.3.2	41	5	>6	≤ 1
			10, 15, 20	Table 6.2.4.3-4	
NS_05	6.6.3.3.3.1	1	10,15,20	≥ 50	≤ 1
NS_06	6.6.2.2.3.3	12, 13, 14, 17	1.4, 3, 5, 10	Table 5.4.2-1	N/A
NS_07	6.6.2.2.3.3 6.6.3.3.3.2	13	10	Table 6.2.4.3-2	Table 6.2.4.3-2
NS_08	6.6.3.3.3.3	19	10, 15	> 44	≤ 3
NS_09	6.6.3.3.3.4	21	10, 15	> 40	≤ 1
				> 55	≤ 2
NS_10		20	15, 20	Table 6.2.4.3-3	Table 6.2.4.3-3
NS_11	6.6.2.2.1 6.6.3.3.13	231	1.4, 3, 5, 10,15,20	Table 6.2.4.3-5	Table 6.2.4.3-5
NS_12	6.6.3.3.5	26	1.4, 3, 5	Table 6.2.4.3-6	Table 6.2.4.3-6
NS_13	6.6.3.3.6	26	5	Table 6.2.4.3-7	Table 6.2.4.3-7
NS_14	6.6.3.3.7	26	10, 15	Table 6.2.4.3-8	Table 6.2.4.3-8
NS_15	6.6.3.3.8	26	1.4, 3, 5, 10, 15	Table 6.2.4.3-9 Table 6.2.4.3-10	Table 6.2.4.3-9, Table 6.2.4.3-10
NS_16	6.6.3.3.9	27	3, 5, 10	Table 6.2.4.3-11, Table 6.2.4.3-12, Table 6.2.4.3-13	
NS_17	6.6.3.3.10	28	5, 10	Table 5.4.2-1	N/A
	6.6.3.3.11	28	5	≥ 2	≤ 1
NS_18			10, 15, 20	≥ 1	≤ 4
NS_19			10, 15, 20	Table 6.2.4.3-15	Table 6.2.4.3-15
NS_20			5, 10, 15, 20	Table 6.2.4.3-14	Table 6.2.4.3-14
...					
NS_20	-	-	-	-	-

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WIFI

Mode	Data Rate (Mbps)	Channel	Frequency(MHz)	Avg. Burst Power(dBm)
802.11b	1	01	2412	15.94
		06	2437	16.03
		11	2462	16.00
802.11g	6	01	2412	14.24
		06	2437	14.41
		11	2462	14.14
802.11n(20)	6.5	01	2412	13.94
		06	2437	14.14
		11	2462	13.93
802.11n(40)	13.5	03	2422	13.30
		06	2437	13.62
		09	2452	13.93

Bluetooth_V4.2(BR/EDR)

Modulation	Channel	Frequency(MHz)	Peak Power (dBm)
GFSK	0	2402	-1.604
	39	2441	1.141
	78	2480	3.290
$\pi/4$ -DQPSK	0	2402	-1.302
	39	2441	1.291
	78	2480	3.995
8-DPSK	0	2402	-1.389
	39	2441	1.313
	78	2480	4.043

Bluetooth_V4.2(BLE)

Modulation	Channel	Frequency(MHz)	Peak Power (dBm)
GFSK	0	2402	-2.938
	19	2440	-2.046
	39	2480	-1.975

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5GHz WIFI

Mode	channel	Frequency	Power(dBm)							
			Data Rate(bps)							
			6M	9M	12M	18M	24M	36M	48M	54M
802.11a	36	5180	12.78	12.63	12.54	12.47	12.32	12.29	12.11	12.02
	40	5200	11.83	11.70	11.57	11.51	11.40	11.35	11.14	11.10
	44	5220	11.59	11.49	11.35	11.24	11.17	11.02	10.91	10.84
	48	5240	11.22	11.10	10.92	10.88	10.78	10.65	10.59	10.45
	149	5745	12.36	12.27	12.16	12.00	11.92	11.82	11.69	11.64
	157	5785	11.72	11.62	11.53	11.35	11.26	11.24	11.04	10.98
	165	5825	9.44	9.28	9.26	9.11	8.97	8.85	8.79	8.68
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (20)	36	5180	11.71	11.56	11.49	11.40	11.28	11.16	11.04	10.95
	40	5200	10.98	10.85	10.72	10.66	10.56	10.46	10.25	10.25
	44	5220	10.74	10.64	10.46	10.39	10.35	10.17	10.04	9.99
	48	5240	10.36	10.24	10.09	10.02	9.99	9.83	9.72	9.59
	149	5745	11.48	11.39	11.25	11.12	11.04	10.93	10.81	10.76
	157	5785	11.02	10.92	10.80	10.65	10.56	10.50	10.34	10.28
	165	5825	8.50	8.34	8.26	8.17	8.03	7.91	7.85	7.74
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (40)	38	5190	11.73	11.58	11.54	11.42	11.27	11.16	11.06	10.97
	46	5230	10.81	10.68	10.51	10.49	10.38	10.23	10.12	10.08
	151	5755	15.07	14.97	14.75	14.72	14.65	14.58	14.39	14.32
	159	5795	14.13	14.01	13.82	13.79	13.69	13.65	13.50	13.36
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (20)	36	5180	11.82	11.67	11.60	11.51	11.34	11.27	11.15	11.04
	40	5200	11.18	11.05	10.92	10.86	10.75	10.66	10.49	10.45
	44	5220	10.84	10.74	10.56	10.49	10.44	10.27	10.16	10.08
	48	5240	10.27	10.15	10.00	9.93	9.83	9.74	9.64	9.52
	149	5745	11.49	11.40	11.26	11.13	11.05	10.94	10.82	10.79
	157	5785	10.98	10.88	10.76	10.61	10.52	10.46	10.30	10.24
	165	5825	8.45	8.29	8.21	8.12	7.98	7.86	7.80	7.69
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (40)	38	5190	13.28	13.13	13.06	12.97	12.82	12.76	12.61	12.57
	46	5230	12.20	12.07	11.94	11.88	11.77	11.63	11.51	11.45
	151	5755	12.96	12.86	12.68	12.61	12.54	12.38	12.28	12.28
	159	5795	12.05	11.93	11.78	11.71	11.61	11.55	11.42	11.22
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (80)	42	5210	10.26	10.16	10.04	9.94	9.80	9.71	9.59	9.50
	155	5775	13.03	12.93	12.77	12.72	12.60	12.51	12.34	12.30

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13. TEST RESULTS

13.1. SAR Test Results Summary

13.1.1. Test position and configuration

Body-worn and 4 Edges SAR was performed with the device 5mm from the phantom.

13.1.2. Operation Mode

1. Per KDB 447498 D01 v06 ,for each exposure position, if the highest 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional.
2. Per KDB 865664 D01 v01r04,for each frequency band, if the measured SAR is ≥ 0.8 W/kg, testing for repeated SAR measurement is required , that the highest measured SAR is only to be tested. When the SAR results are near the limit, the following procedures are required for each device to verify these types of SAR measurement related variation concerns by repeating the highest measured SAR configuration in each frequency band.
 - (1) When the original highest measured SAR is ≥ 0.8 W/kg, repeat that measurement once.
 - (2) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is >1.20 or when the original or repeated measurement is ≥ 1.45 W/kg.
 - (3) Perform a third repeated measurement only if the original, first and second repeated measurement is ≥ 1.5 W/kg and ratio of largest to smallest SAR for the original, first and second measurement is ≥ 1.20 .
3. Body-worn exposure conditions are intended to voice call operations, therefore GSM voice call mode is selected to be test.
4. Per KDB 248227 D01v02r02,for 2.4GHz 802.11g/n SAR testing is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
5. Per KDB 941225 D06 V02r01, When the same wireless mode transmission configurations for voice and data are required for SAR measurements, the more conservative configuration with a smaller separation distance should be tested for the overlapping SAR configurations.
6. Maximum Scaling SAR in order to calculate the Maximum SAR values to test under the standard Peak Power, Calculation method is as follows:
Maximum Scaling SAR =tested SAR (Max.) $\times$ [maximum turn-up power (mw)/ maximum measurement output power(mw)]
7. Proximity sensor, just for avoiding the wrong operation in the phone screen when call, and has no influence on output power or SAR result
8. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1RB allocation using the RB offset and required test channel combination with highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
9. Per KDB 941125 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
10. Per KDB 941125 D05v02r05. For QPSK with 100% RB allocation. SAR is not required when the highest maximum output power for 100% RB allocation is less than the highest maximum output power in 50% and 1RB allocation and the highest reported SAR is >1.45 W/kg, the remaining required test channels must also be tested.

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11. Per KDB 941125 D05v02r05. 16QAM output power for each RB allocation configuration is not 1/2 dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is $\leq 1.45\text{W/kg}$, Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
12. Per KDB 941125 D05v02r05. Smaller bandwidth output power for each RB allocation configuration is >not 1/2 dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is $\leq 1.45\text{W/kg}$. Per KDB 941125 D05v02r03, smaller bandwidth SAR testing is not required.

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13.1.3. Test Result

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 51.8					
Product: Brama S-C									
Test Mode: GSM850 with GMSK modulation									
Position	Mode	Ch.	Fr. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
SIM 1 Card									
Body back	voice	190	836.6	-0.19	0.700	31.40	30.93	0.780	1.6
Body front	voice	190	836.6	-0.01	0.522	31.40	30.93	0.582	1.6
Body back	GPRS-2 slot	128	824.2	-0.07	0.658	30.70	30.46	0.695	1.6
Body back	GPRS-2 slot	190	836.6	-0.17	0.831	30.70	30.22	0.928	1.6
Body back	GPRS-2 slot	251	848.8	-0.10	0.860	30.70	30.64	0.872	1.6
Body front	GPRS-2 slot	190	836.6	-0.01	0.522	30.70	30.22	0.583	1.6
Edge 1 (Top)	GPRS-2 slot	190	836.6	0.12	0.212	30.70	30.22	0.237	1.6
Edge 2(Right)	GPRS-2 slot	190	836.6	-0.11	0.185	30.70	30.22	0.207	1.6
Edge 4(Left)	GPRS-2 slot	190	836.6	-0.12	0.290	30.70	30.22	0.324	1.6

Note:

- When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
- The test separation for body back, body front and 4 Edges is 5mm of all above table.

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SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 51.8					
Product: Brama S-C									
Test Mode: PCS1900 with GMSK modulation									
Position	Mode	Ch.	Fr. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
SIM 1 Card									
Body back	voice	661	1880.0	0.05	0.239	28.20	28.17	0.241	1.6
Body front	voice	661	1880.0	0.03	0.182	28.20	28.17	0.183	1.6
Body back	GPRS-2 slot	512	1850.2	0.17	0.793	26.90	26.78	0.815	1.6
Body back	GPRS-2 slot	661	1880.0	-0.03	0.901	26.90	26.85	0.911	1.6
Body back	GPRS-2 slot	810	1909.8	0.11	0.874	26.90	26.79	0.896	1.6
Body front	GPRS-2 slot	661	1880.0	-0.15	0.656	26.90	26.85	0.664	1.6
Edge 1 (Top)	GPRS-2 slot	661	1880.0	-0.03	0.314	26.90	26.85	0.318	1.6
Edge 2(Right)	GPRS-2 slot	661	1880.0	0.13	0.082	26.90	26.85	0.083	1.6
Edge 4(Left)	GPRS-2 slot	661	1880.0	0.03	0.176	26.90	26.85	0.178	1.6

Note:

- When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
- The test separation for body back, body front and 4 Edges is 5mm of all above table.

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SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 51.8					
Product: Brama S-C									
Test Mode: WCDMA Band II with QPSK modulation									
Position	Mode	Ch.	Fr. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
Body back	RMC 12.2kbps	9400	1880	0.02	0.707	21.80	21.77	0.712	1.6
Body front	RMC 12.2kbps	9400	1880	0.14	0.687	21.80	21.77	0.692	1.6
Edge 1 (Top)	RMC 12.2kbps	9262	1852.4	0.10	1.270	21.80	21.67	1.309	1.6
Edge 1 (Top)	RMC 12.2kbps	9400	1880	0.02	1.200	21.80	21.77	1.208	1.6
Edge 1 (Top)	RMC 12.2kbps	9538	1907.6	-0.13	1.230	21.80	21.58	1.294	1.6
Edge 2(Right)	RMC 12.2kbps	9400	1880	0.18	0.279	21.80	21.77	0.281	1.6
Edge 4(Left)	RMC 12.2kbps	9400	1880	-0.18	0.615	21.80	21.77	0.619	1.6

Note:

- When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
- The test separation for body back, body front and 4 Edges is 5mm of all above table.

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SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 54.3					
Product: Brama S-C									
Test Mode: WCDMA Band IV with QPSK modulation									
Position	Mode	Ch.	Fr. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
Body back	RMC 12.2kbps	8662	1732.4	-0.05	0.591	23.80	23.19	0.680	1.6
Body front	RMC 12.2kbps	8662	1732.4	-0.10	0.409	23.80	23.19	0.471	1.6
Edge 1 (Top)	RMC 12.2kbps	8562	1712.4	0.04	1.060	23.80	23.80	1.060	1.6
Edge 1 (Top)	RMC 12.2kbps	8662	1732.4	0.17	1.110	23.80	23.19	1.277	1.6
Edge 1 (Top)	RMC 12.2kbps	8763	1752.6	0.13	1.050	23.80	22.97	1.271	1.6
Edge 2(Right)	RMC 12.2kbps	8662	1732.4	0.11	0.165	23.80	23.19	0.190	1.6
Edge 4(Left)	RMC 12.2kbps	8662	1732.4	-0.10	0.667	23.80	23.19	0.768	1.6

Note:

- When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
- The test separation for body back, body front and 4 Edges is 5mm of all above table.

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SAR MEASUREMENT									
Depth of Liquid (cm):>15					Relative Humidity (%): 51.8				
Product: Brama S-C									
Test Mode: WCDMA Band V with QPSK modulation									
Position	Mode	Ch.	Fr. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
Body back	RMC 12.2kbps	4183	836.6	0.07	0.525	23.20	23.10	0.537	1.6
Body front	RMC 12.2kbps	4183	836.6	-0.06	0.415	23.20	23.10	0.425	1.6
Edge 1 (Top)	RMC 12.2kbps	4183	836.6	0.13	0.136	23.20	23.10	0.139	1.6
Edge 2(Right)	RMC 12.2kbps	4183	836.6	0.07	0.152	23.20	23.10	0.156	1.6
Edge 4(Left)	RMC 12.2kbps	4183	836.6	0.02	0.236	23.20	23.10	0.241	1.6

Note:

- When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
- The test separation for body back, body front and 4 Edges is 5mm of all above table.

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SAR MEASUREMENT												
Depth of Liquid (cm):>15						Relative Humidity (%): 49.8						
Product: Brama S-C												
Test Mode: LTE Band 2												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tune up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB Allocation								
20	QPSK	Body back	1	0	18900	1880	0.14	0.540	23.10	22.06	0.686	1.6
		Body front	1	0	18900	1880	-0.06	0.489	23.10	22.06	0.621	1.6
		Edge 1 (Top)	1	0	18900	1880	-0.10	0.604	23.10	22.06	0.767	1.6
		Edge 2(Right)	1	0	18900	1880	0.12	0.145	23.10	22.06	0.184	1.6
		Edge 4(Left)	1	0	18900	1880	0.19	0.389	23.10	22.06	0.494	1.6

Note:

- When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
- The test separation for body back, body front and 4 Edges is 5mm of all above table.

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SAR MEASUREMENT												
Depth of Liquid (cm):>15						Relative Humidity (%): 54.3						
Product: Brama S-C												
Test Mode: LTE Band 4												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tuneu p Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
20	QPSK	Body back	1	0	20175	1732.5	0.15	0.644	23.30	23.03	0.685	1.6
		Body front	1	0	20175	1732.5	0.07	0.472	23.30	23.03	0.502	1.6
		Edge 1 (Top)	1	0	20175	1732.5	-0.10	0.528	23.30	23.03	0.562	1.6
		Edge 2(Right)	1	0	20175	1732.5	-0.19	0.180	23.30	23.03	0.192	1.6
		Edge 4(Left)	1	0	20175	1732.5	0.07	0.407	23.30	23.03	0.433	1.6

Note:

- When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
- The test separation for body back, body front and 4 Edges is 5mm of all above table.

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SAR MEASUREMENT												
Depth of Liquid (cm):>15						Relative Humidity (%): 47.3						
Product: Brama S-C												
Test Mode: LTE Band 5												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocati on	UL RB START								
10	QPSK	Body back	1	0	20525	836.5	-0.02	0.460	23.40	22.77	0.532	1.6
		Body front	1	0	20525	836.5	-0.07	0.411	23.40	22.77	0.475	1.6
		Edge 1 (Top)	1	0	20525	836.5	0.19	0.154	23.40	22.77	0.178	1.6
		Edge 2(Right)	1	0	20525	836.5	-0.04	0.128	23.40	22.77	0.148	1.6
		Edge 4(l left)	1	0	20525	836.5	0.09	0.180	23.40	22.77	0.208	1.6

Note:

- When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
- The test separation for body back, body front and 4 Edges is 5mm of all above table.

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SAR MEASUREMENT												
Depth of Liquid (cm):>15						Relative Humidity (%): 52.4						
Product: Brama S-C												
Test Mode: LTE Band 7												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
20	QPSK	Body back	1	0	21100	2535	0.05	0.580	23.80	23.55	0.614	1.6
		Body front	1	0	21100	2535	-0.13	0.408	23.80	23.55	0.432	1.6
		Edge 1 (Top)	1	0	20850	2510	-0.09	1.290	23.80	23.72	1.314	1.6
		Edge 1 (Top)	1	0	21100	2535	-0.19	1.150	23.80	23.55	1.218	1.6
		Edge 1 (Top)	1	0	21350	2560	-0.14	1.020	22.40	22.39	1.022	1.6
		Edge 2(Right)	1	0	21100	2535	-0.12	0.200	23.80	23.55	0.212	1.6
		Edge 4(Left)	1	0	21100	2535	-0.05	0.170	23.80	23.55	0.180	1.6

Note:

- When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
- The test separation for body back, body front and 4 Edges is 5mm of all above table.

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SAR MEASUREMENT												
Depth of Liquid (cm):>15					Relative Humidity (%): 50.6							
Product: Brama S-C												
Test Mode: LTE Band 12												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
10	QPSK	Body back	1	0	23095	707.5	0.01	0.090	23.50	23.25	0.095	1.6
		Body front	1	0	23095	707.5	0.14	0.038	23.50	23.25	0.040	1.6
		Edge 1 (Top)	1	0	23095	707.5	0.13	0.073	23.50	23.25	0.077	1.6
		Edge 2(Right)	1	0	23095	707.5	0.09	0.020	23.50	23.25	0.021	1.6
		Edge 4(Left)	1	0	23095	707.5	0.12	0.023	23.50	23.25	0.024	1.6

Note:

- When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
- The test separation for body back, body front and 4 Edges is 5mm of all above table.

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SAR MEASUREMENT												
Depth of Liquid (cm):>15					Relative Humidity (%): 50.6							
Product: Brama S-C												
Test Mode: LTE Band 17												
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tuneup Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
			UL RB Allocation	UL RB START								
10	QPSK	Body back	1	0	23790	710	0.17	0.086	23.60	22.97	0.099	1.6
		Body front	1	0	23790	710	0.08	0.043	23.60	22.97	0.050	1.6
		Edge 1 (Top)	1	0	23790	710	0.10	0.071	23.60	22.97	0.082	1.6
		Edge 2(Right)	1	0	23790	710	0.18	0.021	23.60	22.97	0.024	1.6
		Edge 4(Left)	1	0	23790	710	0.01	0.024	23.60	22.97	0.028	1.6

Note:

- When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
- The test separation for body back, body front and 4 Edges is 5mm of all above table.

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SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 57.2					
Product: Brama S-C									
Test Mode:802.11b									
Position	Mode	Ch.	Fr. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
Body back	DTS	6	2437	0.03	0.053	16.10	16.03	0.054	1.6
Body front	DTS	6	2437	0.19	0.040	16.10	16.03	0.041	1.6
Edge3(Bottom)	DTS	6	2437	0.19	0.024	16.10	16.03	0.024	1.6
Edge4(Left)	DTS	6	2437	-0.01	0.162	16.10	16.03	0.165	1.6

Note:

- According to KDB248227, SAR is not required for 802.11n HT20/HT40 channels when the maximum average output power is less than 1/4 dB higher than that measured on the corresponding 802.11a/b channels.
- All of above "DTS" means data transmitters.
- The test separation for body back, body front and 4 Edges is 5mm of all above table.

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SAR MEASUREMENT								
Depth of Liquid (cm):>15				Relative Humidity (%): 45.6				
Product: Brama S-C								
Test Mode: 5.2GHz WIFI-802.11a								
Position	Ch.	Fr. (MHz)	Power Drift (<±0.2dB)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
Body back	40	5200	0.01	0.069	12.80	11.83	0.086	1.6
Body front	40	5200	-0.18	0.247	12.80	11.83	0.309	1.6
Edge3(Bottom)	40	5200	-0.02	0.155	12.80	11.83	0.194	1.6
Edge4(Left)	40	5200	-0.15	0.231	12.80	11.83	0.289	1.6

Note:

1. When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB447498.
2. The test separation for body back, body front and 4 Edges is 5mm of all above table.

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SAR MEASUREMENT								
Depth of Liquid (cm):>15				Relative Humidity (%): 47.1				
Product: Brama S-C								
Test Mode: 5.8GHz WIFI-802.11a								
Position	Ch.	Fr. (MHz)	Power Drift (<±0.2dB)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
Body back	157	5785	0.08	0.044	12.40	11.72	0.051	1.6
Body front	157	5785	-0.01	0.207	12.40	11.72	0.242	1.6
Edge3(Bottom)	157	5785	-0.13	0.331	12.40	11.72	0.387	1.6
Edge4(Left)	157	5785	-0.18	0.307	12.40	11.72	0.359	1.6

Note:

1. When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB447498.
2. The test separation for body back, body front and 4 Edges is 5mm of all above table.

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Repeated SAR											
Product: Brama S-C											
Test Mode: GSM850& PCS1900& WCDMA Band II & WCDMA Band IV & LTE Band 7											
Position	Mode		Ch.	Fr. (MHz)	Power Drift (<±5%)	Once SAR (1g) (W/kg)	Power Drift (<±5%)	Twice SAR (1g) (W/kg)	Power Drift (<±5%)	Third SAR (1g) (W/kg)	Limit W/kg
Body back	GPRS-2 slot		251	848.8	-0.17	0.831	--	--	--	--	1.6
Body back	GPRS-2 slot		661	1880.0	0.04	0.866	--	--	--	--	1.6
Edge (Top) 1	RMC 12.2kbps		9262	1852.4	0.06	1.18	--	--	--	--	1.6
Edge (Top) 1	RMC 12.2kbps		8662	1732.4	-0.13	1.03	--	--	--	--	1.6
Position	Mode		Ch.	Fr. (MHz)	Power Drift (<±5%)	Once SAR (1g) (W/kg)	Power Drift (<±5%)	Twice SAR (1g) (W/kg)	Power Drift (<±5%)	Third SAR (1g) (W/kg)	Limit W/kg
	UL RB Allocation	UL RB START									
Edge (Top) 1	1	0	20850	2510	-0.18	1.14	--	--	--	--	1.6

The second repeated SAR judge reference									
Product: Brama S-C									
Band	Position	Mode	Ch.	Fr. (MHz)	Original SAR (1g) (W/kg)	First SAR (1g) (W/kg)	Ratio	Limit	
WCDMA Band II	Edge (Top) 1	RMC 12.2kbps	9262	1852.4	1.27	1.18	1.076	<1.2	
Band	Position	Mode		Ch.	Fr. (MHz)	Original SAR (1g) (W/kg)	First SAR (1g) (W/kg)	Ratio	Limit
		UL RB Allocation	UL RB START						
LTE Band 7	Edge (Top) 1	1	0	20850	2510	1.29	1.14	1.132	<1.2

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Simultaneous Multi-band Transmission Evaluation:

Application Simultaneous Transmission information:

NO	Simultaneous state	Portable Handset
		Body-worn
1	GSM(voice)+ WLAN 2.4GHz&5GHz (data)	Yes
2	GSM(voice)+ Bluetooth(data)	Yes
3	GSM (Data) + WLAN 2.4GHz &5GHz (data)	Yes
4	GSM (Data) + Bluetooth(data)	Yes
5	WCDMA+ WLAN 2.4GHz &5GHz (data)	Yes
6	WCDMA+ Bluetooth(data)	Yes
7	LTE + WLAN 2.4GHz&5GHz (data)	Yes
8	LTE + Bluetooth(data)	Yes

NOTE:

1. WIFI and BT share the same antenna, and cannot transmit simultaneously.
2. Simultaneous with every transmitter must be the same test position.
3. KDB 447498 D01, BT SAR is excluded as below table.
4. KDB 447498 D01, for handsets the test separation distance is determined by the smallest distance between the outer surface of the device and the user; which is 5mm for body-worn SAR.
5. According to KDB 447498 D01 4.3.1, Standalone SAR test exclusion is as follow:

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR³⁰, where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation³¹
- The result is rounded to one decimal place for comparison
- The values 3.0 and 7.5 are referred to as numeric thresholds in step b) below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

6. If the test separation distance is < 5 mm, 5mm is used for excluded SAR calculation.
7. According to KDB 447498 D01 4.3.2, simultaneous transmission SAR test exclusion is as follow:
 - (1) Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna.
 - (2) Any transmitters and antennas should be considered when calculating simultaneous mode.
 - (3) For mobile phone and PC, it's the sum of all transmitters and antennas at the same mode with same position in each applicable exposure condition
 - (4) When the standalone SAR test exclusion of section 4.3.2 is applied to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to the following to det

$(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm}) \cdot [\sqrt{f(\text{GHz})} / x] \text{ W/kg}$ for test separation distances ≤ 50 mm;
where $x = 7.5$ for 1-g SAR, and $x = 18.75$ for 10-g SAR.

8. When the sum of SAR is larger than the limit, SAR test exclusion is determined by the SAR to peak location separation ratio. The simultaneous transmitting antennas in each operating mode and exposure condition combination must be considered one pair at a time to determine the SAR to peak location separation ratio to qualify for test exclusion. The ratio is determined by $(SAR1 + SAR2)1.5/R_i$, rounded to two decimal digits, and must be ≤ 0.04 for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion.

Estimated SAR		Max Power including Tune-up Tolerance		Separation Distance (mm)	Estimated SAR (W/kg)
		dBm	mW		
BT	Body	5	3.16	5	0.133

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Sum of the SAR for GSM 850 & 2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		GSM 850	2.4GHz Wi-Fi DTS Band	Bluetooth		
Body-worn (voice)	Rear	0.780	0.054		0.834	No
		0.780		0.133	0.913	No
	Front	0.582	0.041		0.623	No
		0.582		0.133	0.715	No
Body-worn (Data)	Rear	0.928		0.133	1.061	No
		0.928	0.054		0.982	No
	Front	0.583		0.133	0.716	No
		0.583	0.041		0.624	No
	Edge 4	0.324	0.165		0.489	No
	Edge 4	0.324		0.133	0.457	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

Sum of the SAR for GSM 1900 & 2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		PCS 1900	2.4GHz Wi-Fi DTS Band	Bluetooth		
Body-worn (voice)	Rear	0.241	0.054		0.295	No
		0.241		0.133	0.374	No
	Front	0.183	0.041		0.224	No
		0.183		0.133	0.316	No
Body-worn (Data)	Rear	0.911		0.133	1.044	No
		0.911	0.054		0.965	No
	Front	0.664		0.133	0.797	No
		0.664	0.041		0.705	No
	Edge 4	0.178	0.165		0.343	No
	Edge 4	0.178		0.133	0.311	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

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Sum of the SAR for WCDMA Band II & 2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band II	2.4GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.712	0.054		0.766	No
	Front	0.692	0.041		0.733	No
	Edge 4	0.619	0.165		0.784	No
	Rear	0.712		0.133	0.845	No
	Front	0.692		0.133	0.825	No
	Edge 4	0.619		0.133	0.752	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio"

Sum of the SAR for WCDMA Band IV & 2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band IV	2.4GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.680	0.054		0.734	No
	Front	0.471	0.041		0.512	No
	Edge 4	0.768	0.165		0.933	No
	Rear	0.680		0.133	0.813	No
	Front	0.471		0.133	0.604	No
	Edge 4	0.768		0.133	0.901	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio"

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Sum of the SAR for WCDMA Band V & 2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band V	2.4GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.537	0.054		0.591	No
	Front	0.425	0.041		0.466	No
	Edge 4	0.241	0.165		0.406	No
	Rear	0.537		0.133	0.670	No
	Front	0.425		0.133	0.558	No
	Edge 4	0.241		0.133	0.374	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

Sum of the SAR for LTE Band 2 & 2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 2	2.4GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.686	0.054		0.740	No
	Front	0.621	0.041		0.662	No
	Edge 4	0.494	0.165		0.659	No
	Rear	0.686		0.133	0.819	No
	Front	0.621		0.133	0.754	No
	Edge 4	0.494		0.133	0.627	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

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Sum of the SAR for LTE Band 4 & 2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 4	2.4GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.685	0.054		0.739	No
	Front	0.502	0.041		0.543	No
	Edge 4	0.433	0.165		0.598	No
	Rear	0.685		0.133	0.818	No
	Front	0.502		0.133	0.635	No
	Edge 4	0.433		0.133	0.566	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

Sum of the SAR for LTE Band 5 & 2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 5	2.4GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.532	0.054		0.586	No
	Front	0.475	0.041		0.516	No
	Edge 4	0.208	0.165		0.373	No
	Rear	0.532		0.133	0.665	No
	Front	0.475		0.133	0.608	No
	Edge 4	0.208		0.133	0.341	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

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Sum of the SAR for LTE Band 7 & 2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 7	2.4GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.614	0.054		0.668	No
	Front	0.432	0.041		0.473	No
	Edge 4	0.180	0.165		0.345	No
	Rear	0.614		0.133	0.747	No
	Front	0.432		0.133	0.565	No
	Edge 4	0.180		0.133	0.313	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

Sum of the SAR for LTE Band 12 & 2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 12	2.4GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.095	0.054		0.149	No
	Front	0.040	0.041		0.081	No
	Edge 4	0.024	0.165		0.189	No
	Rear	0.095		0.133	0.228	No
	Front	0.040		0.133	0.173	No
	Edge 4	0.024		0.133	0.157	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

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Sum of the SAR for LTE Band 17 & 2.4GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 17	2.4GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.099	0.054		0.153	No
	Front	0.050	0.041		0.091	No
	Edge 4	0.028	0.165		0.193	No
	Rear	0.099		0.133	0.232	No
	Front	0.050		0.133	0.183	No
	Edge 4	0.028		0.133	0.161	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

Sum of the SAR for GSM 850 & 5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		GSM 850	5.2GHz Wi-Fi DTS Band	Bluetooth		
Body-worn (voice)	Rear	0.780	0.086		0.866	No
		0.780		0.133	0.913	No
	Front	0.582	0.309		0.891	No
		0.582		0.133	0.715	No
Body-worn (Data)	Rear	0.928		0.133	1.061	No
		0.928	0.086		1.014	No
	Front	0.583		0.133	0.716	No
		0.583	0.309		0.892	No
	Edge 4	0.324	0.289		0.613	No
	Edge 4	0.324		0.133	0.457	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

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Sum of the SAR for GSM 1900 & 5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		PCS 1900	5.2GHz Wi-Fi DTS Band	Bluetooth		
Body-worn (voice)	Rear	0.241	0.086		0.327	No
		0.241		0.133	0.374	No
	Front	0.183	0.309		0.492	No
		0.183		0.133	0.316	No
Body-worn (Data)	Rear	0.911		0.133	1.044	No
		0.911	0.086		0.997	No
	Front	0.664		0.133	0.797	No
		0.664	0.309		0.973	No
	Edge 4	0.178	0.289		0.467	No
	Edge 4	0.178		0.133	0.311	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

Sum of the SAR for WCDMA Band II & 5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band II	5.2GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.712	0.086		0.798	No
	Front	0.692	0.309		1.001	No
	Edge 4	0.619	0.289		0.908	No
	Rear	0.712		0.133	0.845	No
	Front	0.692		0.133	0.825	No
	Edge 4	0.619		0.133	0.752	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

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Sum of the SAR for WCDMA Band IV & 5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band IV	5.2GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.680	0.086		0.766	No
	Front	0.471	0.309		0.780	No
	Edge 4	0.768	0.289		1.057	No
	Rear	0.680		0.133	0.813	No
	Front	0.471		0.133	0.604	No
	Edge 4	0.768		0.133	0.901	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

Sum of the SAR for WCDMA Band V & 5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band V	5.2GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.537	0.086		0.623	No
	Front	0.425	0.309		0.734	No
	Edge 4	0.241	0.289		0.530	No
	Rear	0.537		0.133	0.670	No
	Front	0.425		0.133	0.558	No
	Edge 4	0.241		0.133	0.374	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

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Sum of the SAR for LTE Band 2 & 5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 2	5.2GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.686	0.086		0.772	No
	Front	0.621	0.309		0.930	No
	Edge 4	0.494	0.289		0.783	No
	Rear	0.686		0.133	0.819	No
	Front	0.621		0.133	0.754	No
	Edge 4	0.494		0.133	0.627	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

Sum of the SAR for LTE Band 4 & 5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 4	5.2GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.685	0.086		0.771	No
	Front	0.502	0.309		0.811	No
	Edge 4	0.433	0.289		0.722	No
	Rear	0.685		0.133	0.818	No
	Front	0.502		0.133	0.635	No
	Edge 4	0.433		0.133	0.566	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

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Sum of the SAR for LTE Band 5 & 5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 5	5.2GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.532	0.086		0.618	No
	Front	0.475	0.309		0.784	No
	Edge 4	0.208	0.289		0.497	No
	Rear	0.532		0.133	0.665	No
	Front	0.475		0.133	0.608	No
	Edge 4	0.208		0.133	0.341	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

Sum of the SAR for LTE Band 7 & 5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 7	5.2GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.614	0.086		0.700	No
	Front	0.432	0.309		0.741	No
	Edge 4	0.180	0.289		0.469	No
	Rear	0.614		0.133	0.747	No
	Front	0.432		0.133	0.565	No
	Edge 4	0.180		0.133	0.313	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

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Sum of the SAR for LTE Band 12 & 5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 12	5.2GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.095	0.086		0.181	No
	Front	0.040	0.309		0.349	No
	Edge 4	0.024	0.289		0.313	No
	Rear	0.095		0.133	0.228	No
	Front	0.040		0.133	0.173	No
	Edge 4	0.024		0.133	0.157	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio"

Sum of the SAR for LTE Band 17 & 5.2GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 17	5.2GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.099	0.086		0.185	No
	Front	0.050	0.309		0.359	No
	Edge 4	0.028	0.289		0.317	No
	Rear	0.099		0.133	0.232	No
	Front	0.050		0.133	0.183	No
	Edge 4	0.028		0.133	0.161	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio"

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Sum of the SAR for GSM 850 & 5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		GSM 850	5.8GHz Wi-Fi DTS Band	Bluetooth		
Body-worn (voice)	Rear	0.780	0.051		0.831	No
		0.780		0.133	0.913	No
	Front	0.582	0.242		0.824	No
		0.582		0.133	0.715	No
Body-worn (Data)	Rear	0.928		0.133	1.061	No
		0.928	0.051		0.979	No
	Front	0.583		0.133	0.716	No
		0.583	0.242		0.825	No
	Edge 4	0.324	0.359		0.683	No
	Edge 4	0.324		0.133	0.457	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

Sum of the SAR for GSM 1900 & 5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		PCS 1900	5.8GHz Wi-Fi DTS Band	Bluetooth		
Body-worn (voice)	Rear	0.241	0.051		0.292	No
		0.241		0.133	0.374	No
	Front	0.183	0.242		0.425	No
		0.183		0.133	0.316	No
Body-worn (Data)	Rear	0.911		0.133	1.044	No
		0.911	0.051		0.962	No
	Front	0.664		0.133	0.797	No
		0.664	0.242		0.906	No
	Edge 4	0.178	0.359		0.537	No
	Edge 4	0.178		0.133	0.311	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

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Sum of the SAR for WCDMA Band II & 5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band II	5.8GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.712	0.051		0.763	No
	Front	0.692	0.242		0.934	No
	Edge 4	0.619	0.359		0.978	No
	Rear	0.712		0.133	0.845	No
	Front	0.692		0.133	0.825	No
	Edge 4	0.619		0.133	0.752	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

Sum of the SAR for WCDMA Band IV & 5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band IV	5.8GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.680	0.051		0.731	No
	Front	0.471	0.242		0.713	No
	Edge 4	0.768	0.359		1.127	No
	Rear	0.680		0.133	0.813	No
	Front	0.471		0.133	0.604	No
	Edge 4	0.768		0.133	0.901	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

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Sum of the SAR for WCDMA Band V & 5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band V	5.8GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.537	0.051		0.588	No
	Front	0.425	0.242		0.667	No
	Edge 4	0.241	0.359		0.600	No
	Rear	0.537		0.133	0.670	No
	Front	0.425		0.133	0.558	No
	Edge 4	0.241		0.133	0.374	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

Sum of the SAR for LTE Band 2 & 5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 2	5.8GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.686	0.051		0.737	No
	Front	0.621	0.242		0.863	No
	Edge 4	0.494	0.359		0.853	No
	Rear	0.686		0.133	0.819	No
	Front	0.621		0.133	0.754	No
	Edge 4	0.494		0.133	0.627	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

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Sum of the SAR for LTE Band 4 & 5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 4	5.8GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.685	0.051		0.736	No
	Front	0.502	0.242		0.744	No
	Edge 4	0.433	0.359		0.792	No
	Rear	0.685		0.133	0.818	No
	Front	0.502		0.133	0.635	No
	Edge 4	0.433		0.133	0.566	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

Sum of the SAR for LTE Band 5 & 5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 5	5.8GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.532	0.051		0.583	No
	Front	0.475	0.242		0.717	No
	Edge 4	0.208	0.359		0.567	No
	Rear	0.532		0.133	0.665	No
	Front	0.475		0.133	0.608	No
	Edge 4	0.208		0.133	0.341	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

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Sum of the SAR for LTE Band 7 & 5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 7	5.8GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.614	0.051		0.665	No
	Front	0.432	0.242		0.674	No
	Edge 4	0.180	0.359		0.539	No
	Rear	0.614		0.133	0.747	No
	Front	0.432		0.133	0.565	No
	Edge 4	0.180		0.133	0.313	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

Sum of the SAR for LTE Band 12 & 5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 12	5.8GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.095	0.051		0.146	No
	Front	0.040	0.242		0.282	No
	Edge 4	0.024	0.359		0.383	No
	Rear	0.095		0.133	0.228	No
	Front	0.040		0.133	0.173	No
	Edge 4	0.024		0.133	0.157	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

Sum of the SAR for LTE Band 17 & 5.8GHz Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 17	5.8GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.099	0.051		0.150	No
	Front	0.050	0.242		0.292	No
	Edge 4	0.028	0.359		0.387	No
	Rear	0.099		0.133	0.232	No
	Front	0.050		0.133	0.183	No
	Edge 4	0.028		0.133	0.161	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

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APPENDIX A. SAR SYSTEM CHECK DATA

Test Laboratory: AGC Lab
System Check Head 750MHz
DUT: Dipole 750 MHz Type: SID 750

Date: Nov. 08, 2021

Communication System: CW; Communication System Band: D750 (750.0 MHz); Duty Cycle: 1:1;
Frequency: 750 MHz; Medium parameters used: $f = 750\text{MHz}$; $\sigma = 0.90\text{ mho/m}$; $\epsilon_r = 42.61$; $\rho = 1000\text{ kg/m}^3$;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature ($^{\circ}\text{C}$): 21.8, Liquid temperature ($^{\circ}\text{C}$): 21.6

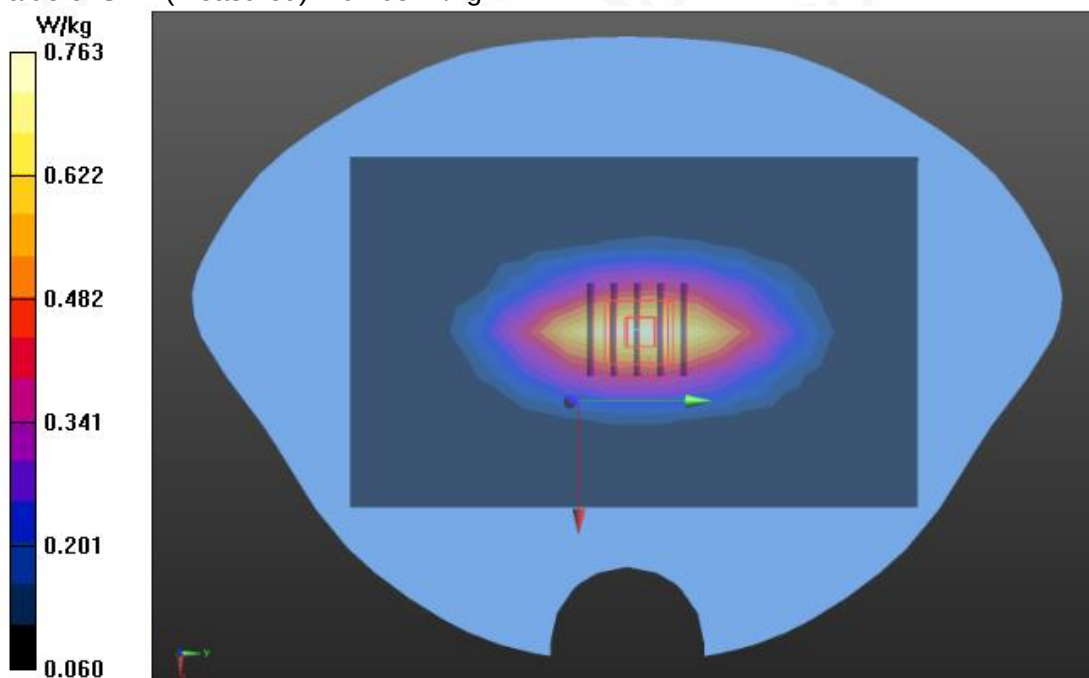
DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(10.37, 10.37, 10.37); Calibrated: Aug. 27,2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/System Check Head 750MHz/Area Scan (9x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.758 W/kg

Configuration/System Check Head 750MHz/Zoom Scan (5x5x7)/Cube

0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 27.552 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.953 W/kg
SAR(1 g) = 0.527 W/kg; SAR(10 g) = 0.354 W/kg
Maximum value of SAR (measured) = 0.763 W/kg



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Test Laboratory: AGC Lab
System Check Head 835 MHz
DUT: Dipole 835 MHz Type: SID 835

Date: Nov. 22, 2021

Communication System CW; Communication System Band: D835 (835.0 MHz); Duty Cycle: 1:1;
Frequency: 835 MHz; Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.91 \text{ mho/m}$; $\epsilon_r = 41.74$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature ($^{\circ}\text{C}$):21.4, Liquid temperature ($^{\circ}\text{C}$): 21.2

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(10.01, 10.01, 10.01); Calibrated: Aug. 27,2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/System Check Head 835MHz/Area Scan (9x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.775 W/kg

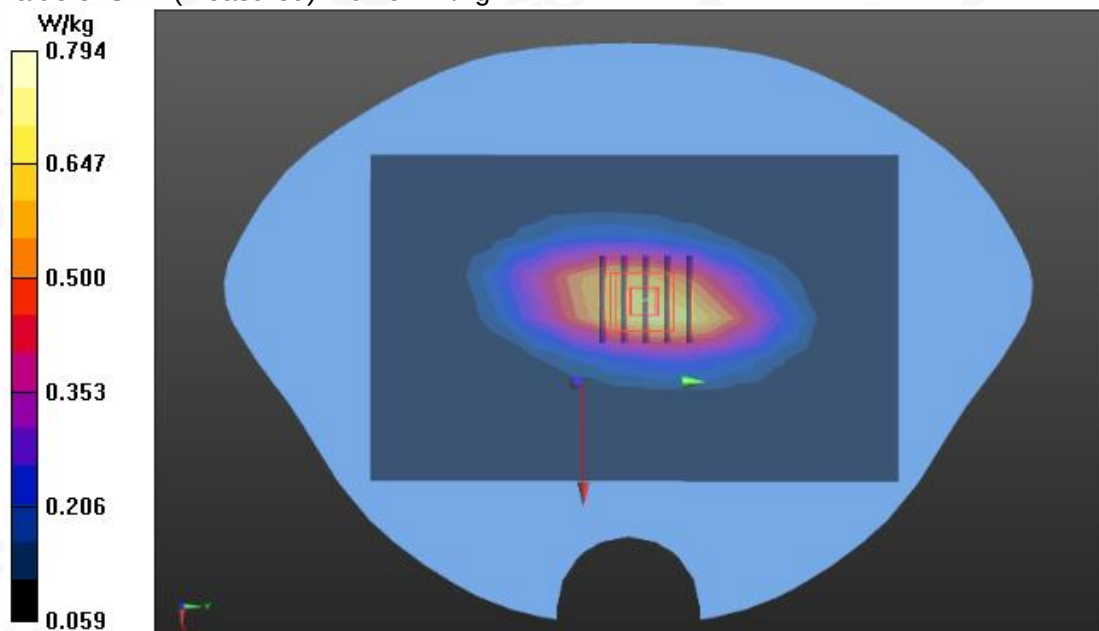
Configuration/System Check Head 835MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 23.572 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.617 W/kg; SAR(10 g) = 0.404 W/kg

Maximum value of SAR (measured) = 0.794 W/kg



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Test Laboratory: AGC Lab
System Check Head 835 MHz
DUT: Dipole 835 MHz Type: SID 835

Date: Nov. 24, 2021

Communication System CW; Communication System Band: D835 (835.0 MHz); Duty Cycle: 1:1;
Frequency: 835 MHz; Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 42.72$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature ($^{\circ}\text{C}$): 21.5, Liquid temperature ($^{\circ}\text{C}$): 21.3

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(10.01, 10.01, 10.01); Calibrated: Aug. 27,2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/System Check Head 835MHz/Area Scan (9x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.824 W/kg

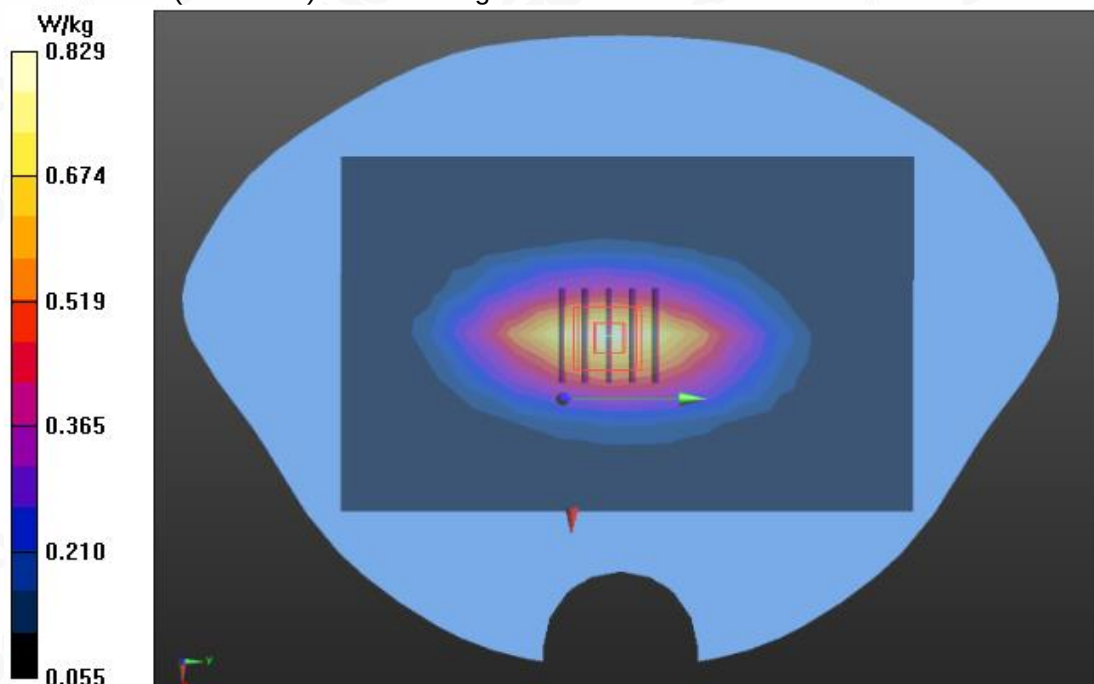
Configuration/System Check Head 835MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 29.987 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.999 W/kg

SAR(1 g) = 0.608 W/kg; SAR(10 g) = 0.389 W/kg

Maximum value of SAR (measured) = 0.829 W/kg



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Test Laboratory: AGC Lab
System Check Head 1750MHz
DUT: Dipole 1800 MHz; Type: SID 1800

Date: Nov. 03, 2021

Communication System: CW; Communication System Band: D1700 (1750.0 MHz); Duty Cycle: 1:1;
Frequency: 1750 MHz; Medium parameters used: $f = 1750$ MHz; $\sigma = 1.36$ mho/m; $\epsilon_r = 39.87$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (°C): 22.0, Liquid temperature (°C): 21.8

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(8.55, 8.55, 8.55); Calibrated: Aug. 27,2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0$, 31.0
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/System Check Head 1750MHz/Area Scan (7x10x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 2.59 W/kg

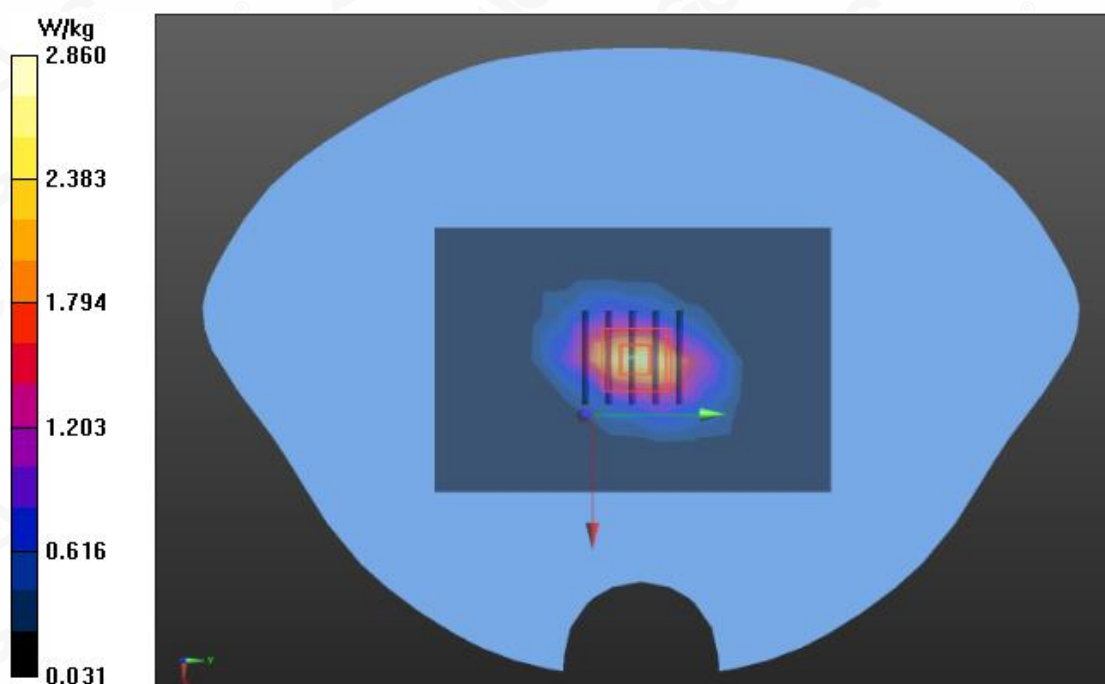
Configuration/System Check Head 1750MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 47.257 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 4.22 W/kg

SAR(1 g) = 2.35 W/kg; SAR(10 g) = 1.23 W/kg

Maximum value of SAR (measured) = 2.86 W/kg



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Test Laboratory: AGC Lab
System Check Head 1900MHz
DUT: Dipole 1900 MHz; Type: SID 1900

Date: Nov. 02, 2021

Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Duty Cycle:1:1;
Frequency: 1900 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 39.56$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (°C):21.5, Liquid temperature (°C): 21.3

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(8.26, 8.26, 8.26); Calibrated: Aug. 27,2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/System Check Head 1900MH/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.95 W/kg

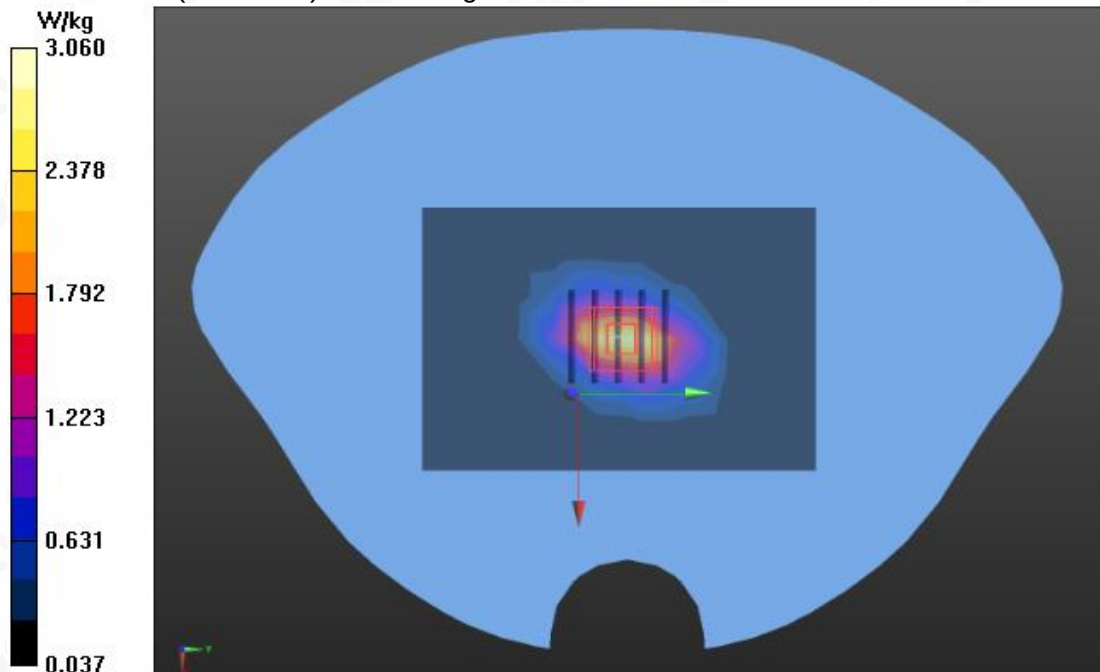
Configuration/System Check Head 1900MH/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 47.589 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 4.49 W/kg

SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.27 W/kg

Maximum value of SAR (measured) = 3.06 W/kg



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Test Laboratory: AGC Lab
System Check Head 1900MHz
DUT: Dipole 1900 MHz; Type: SID 1900

Date: Nov. 25, 2021

Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Duty Cycle:1:1;
Frequency: 1900 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.57$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (°C): 21.4, Liquid temperature (°C): 21.2

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(8.26, 8.26, 8.26); Calibrated: Aug. 27,2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0$, 31.0
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/System Check Head 1900MHz/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.01 W/kg

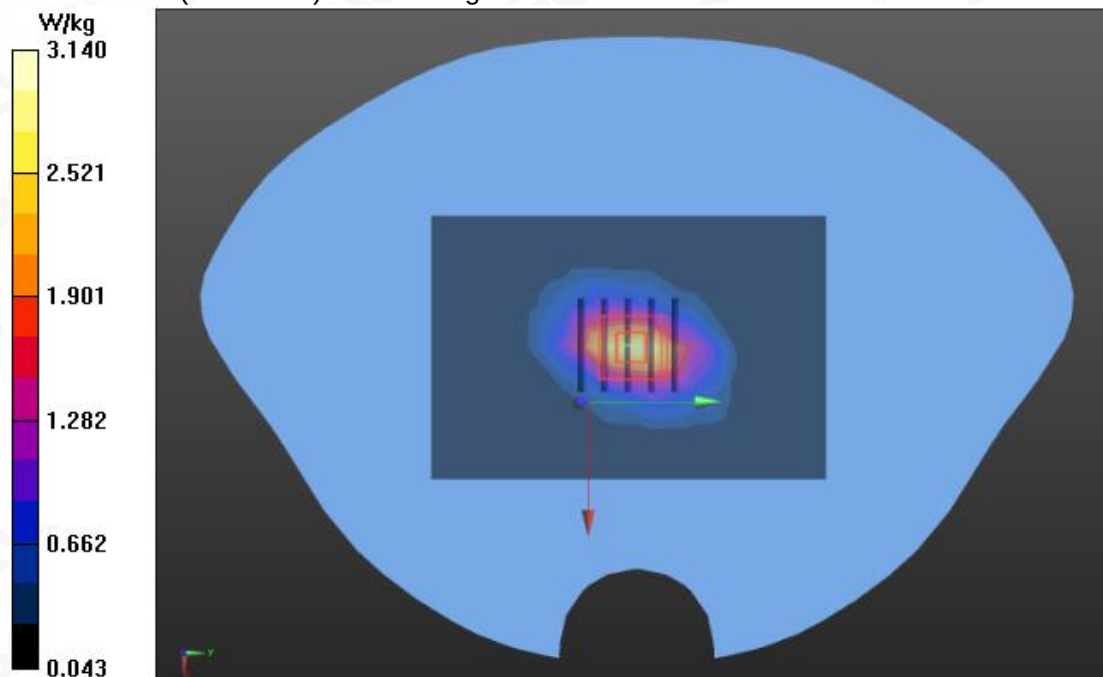
Configuration/System Check Head 1900MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 48.918 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 4.75 W/kg

SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.29 W/kg

Maximum value of SAR (measured) = 3.14 W/kg



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Test Laboratory: AGC Lab
System Check Head 2450 MHz
DUT: Dipole 2450 MHz Type: SID 2450

Date: Nov. 04, 2021

Communication System CW; Communication System Band: D2450 (2450.0 MHz); Duty Cycle: 1:1;
Frequency: 2450 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.78$ mho/m; $\epsilon_r = 38.71$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (°C): 21.6, Liquid temperature (°C): 21.4

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(7.60, 7.60, 7.60); Calibrated: Aug. 27,2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/System Check Head 2450Hz/Area Scan (5x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) =5.25 W/kg

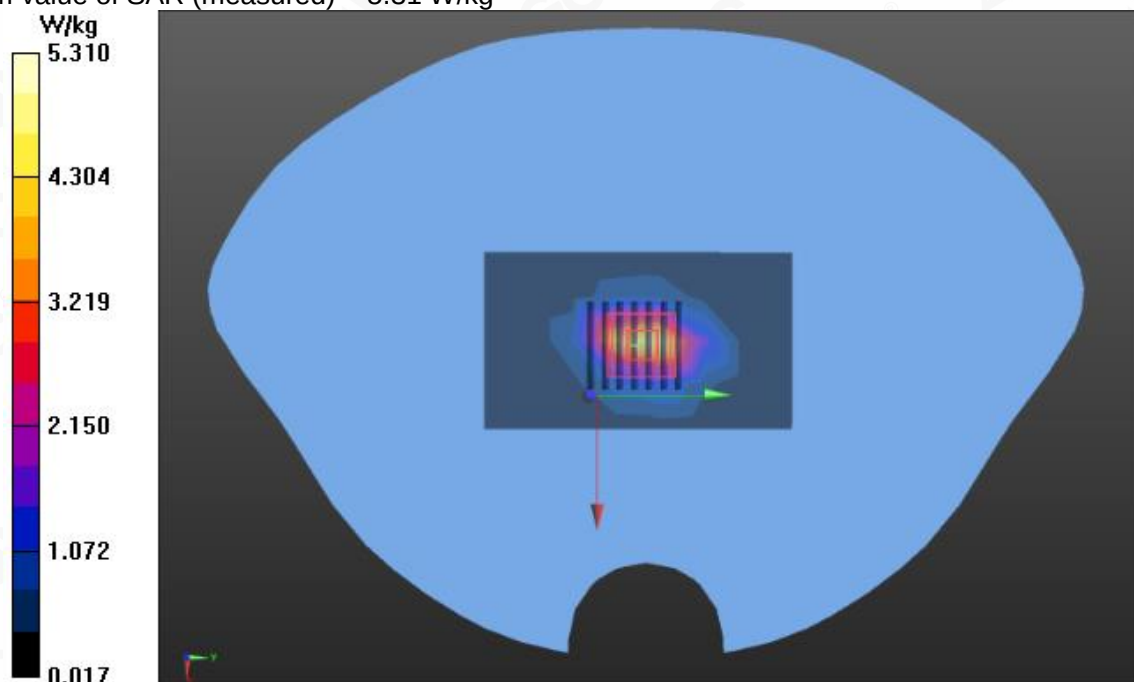
Configuration/System Check Head 2450Hz/Zoom Scan (5x5x5)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 54.017 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 7.35 W/kg

SAR(1 g) = 3.43 W/kg; SAR(10 g) = 1.56 W/kg

Maximum value of SAR (measured) = 5.31 W/kg



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Test Laboratory: AGC Lab
System Check Head 2600 MHz
DUT: Dipole 2600 MHz; Type: SID 2600

Date: Nov. 01, 2021

Communication System: CW; Communication System Band: D2600 (2600.0 MHz); Duty Cycle: 1:1;
Frequency: 2600 MHz; Medium parameters used: $f = 2600$ MHz; $\sigma = 1.91$ mho/m; $\epsilon_r = 38.64$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (°C): 21.8, Liquid temperature (°C): 21.6

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(7.42, 7.42, 7.42); Calibrated: Aug. 27,2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/System Check Head 2600Hz/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.71 W/kg

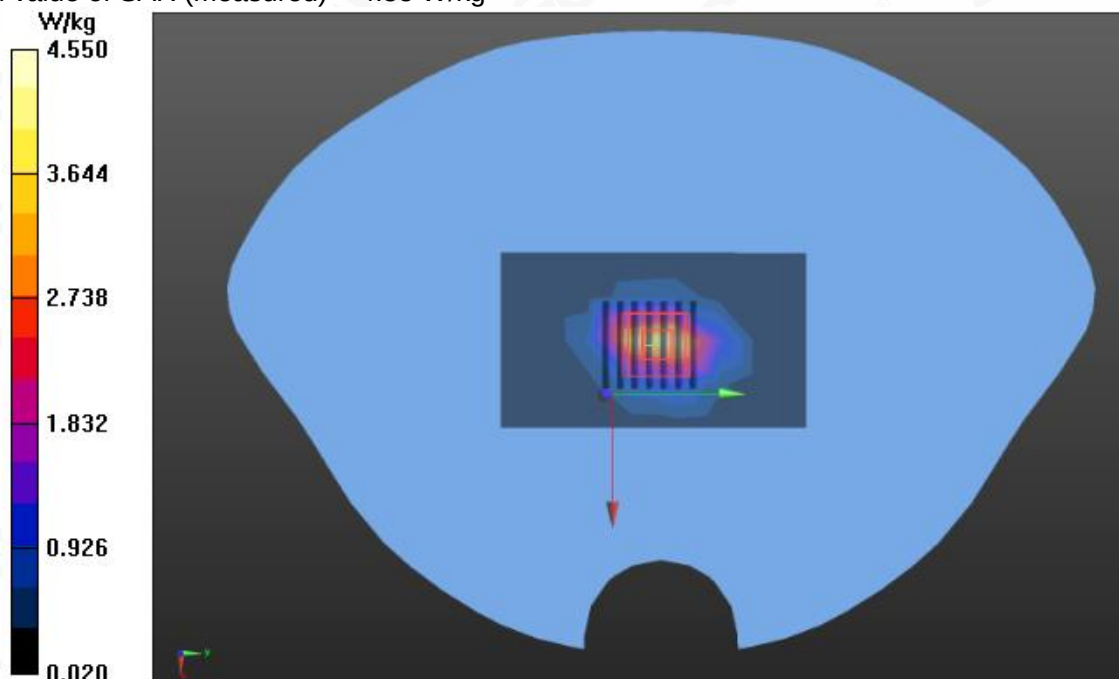
Configuration/System Check Head 2600Hz/Zoom Scan (5x5x5)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.558 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 6.12 W/kg

SAR(1 g) = 3.49 W/kg; SAR(10 g) = 1.47 W/kg

Maximum value of SAR (measured) = 4.55 W/kg



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Test Laboratory: AGC Lab
System Check Head 5200 MHz
DUT: Dipole 5000MHz Type: SWG5500

Date: Nov. 26, 2021

Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1;
Frequency: 5200 MHz; Medium parameters used: $f = 5250$ MHz; $\sigma = 4.72$ mho/m; $\epsilon_r = 35.24$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=10dBm
Ambient temperature (°C): 21.6, Liquid temperature (°C): 21.4

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(5.42, 5.42, 5.42); Calibrated: Aug. 27,2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/System Check 5200MHz Head/Area Scan (10x13x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.35 W/kg

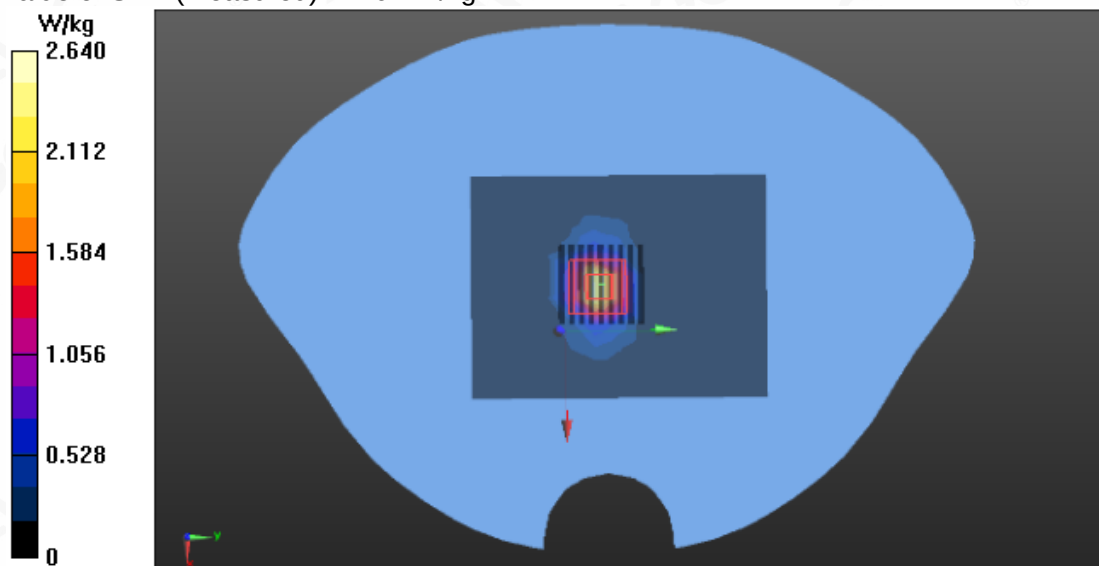
Configuration/System Check 5200MHz Head/Zoom Scan (9x9x16)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 24.530 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 4.82 W/kg

SAR(1 g) = 1.49 W/kg; SAR(10 g) = 0.534 W/kg

Maximum value of SAR (measured) = 2.64 W/kg



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Test Laboratory: AGC Lab
System Check Head 5800 MHz
DUT: Dipole 5000MHz Type: SWG5500

Date: Nov. 27, 2021

Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1;
Frequency: 5800 MHz; Medium parameters used: $f = 5750$ MHz; $\sigma = 5.24$ mho/m; $\epsilon_r = 35.82$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=10dBm
Ambient temperature (°C): 21.9, Liquid temperature (°C): 21.7,

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(4.96, 4.96, 4.96); Calibrated: Aug. 27,2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0$, 31.0
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Configuration/System Check 5800MHz Head/Area Scan (10x13x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.85 W/kg

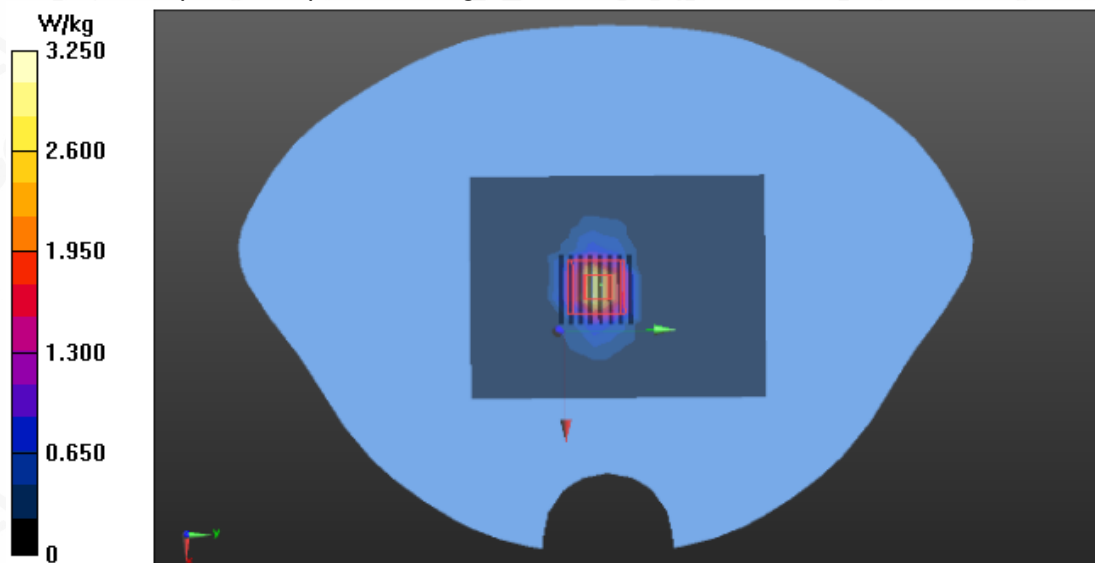
Configuration/System Check 5800MHz Head/Zoom Scan (8x8x13)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 27.030 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 5.90 W/kg

SAR(1 g) = 1.76 W/kg; SAR(10 g) = 0.596 W/kg

Maximum value of SAR (measured) = 3.25 W/kg



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APPENDIX B. SAR MEASUREMENT DATA

Test Laboratory: AGC Lab

Date: Nov. 22, 2021

GPRS 850 Mid- Body- Back (2up) < SIM 1>

DUT: Brama S-C; Type: M1

Communication System: GPRS-2 Slot; Communication System Band: GSM 850; Duty Cycle: 1:4.2;
Frequency: 836.6 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 41.43$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C):21.4, Liquid temperature (°C): 21.2

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(10.01, 10.01, 10.01); Calibrated: Aug. 27,2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QDOVA002AA;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/Rept/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.893 W/kg

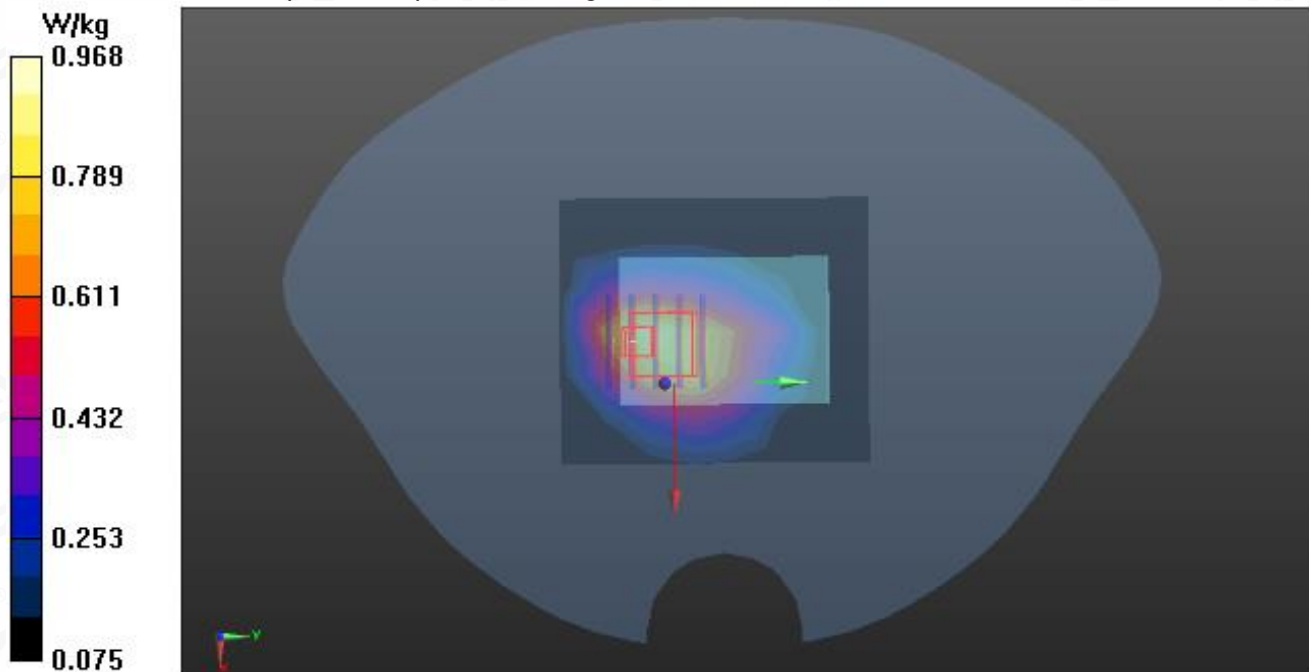
BODY/Rept/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.280 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.831 W/kg; SAR(10 g) = 0.610 W/kg

Maximum value of SAR (measured) = 0.968 W/kg



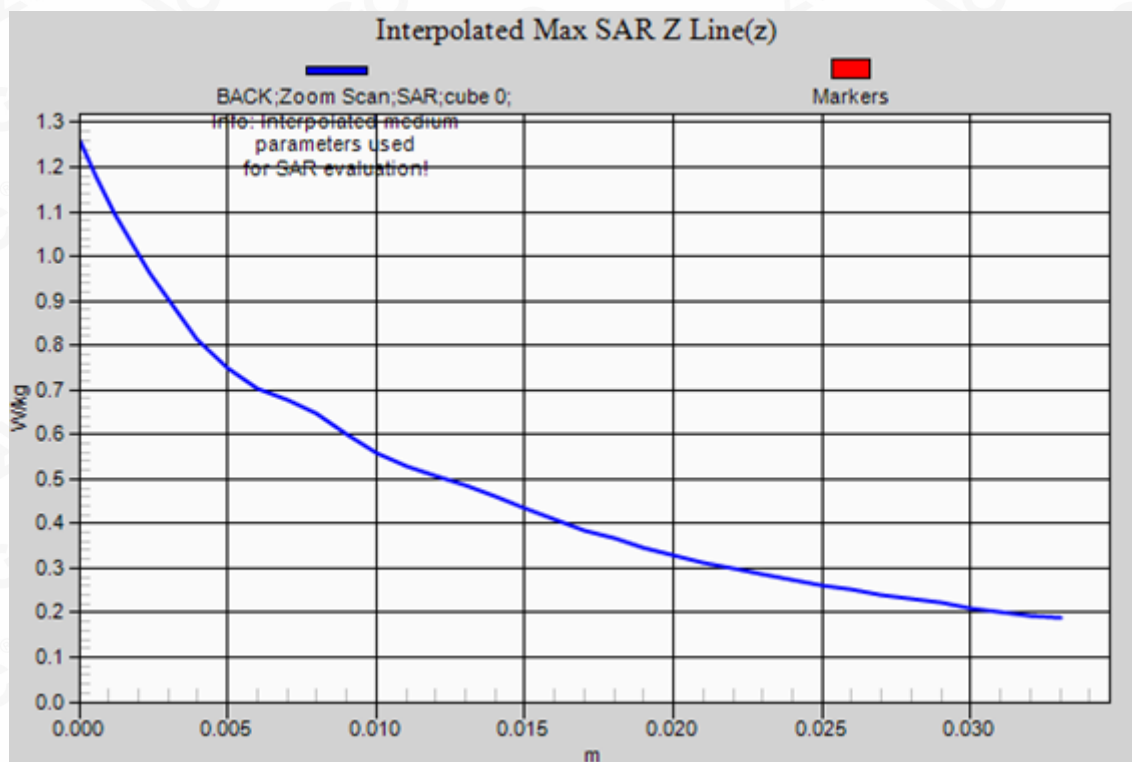
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Test Laboratory: AGC Lab
GPRS 850 High- Body- Back (2up) < SIM 1>
DUT: Brama S-C; Type: M1

Date: Nov. 22, 2021

Communication System: GPRS-2 Slot; Communication System Band: GSM 850; Duty Cycle: 1:4.2;
Frequency: 848.8 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 41.18$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C):21.4, Liquid temperature (°C): 21.2

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(10.01, 10.01, 10.01); Calibrated: Aug. 27,2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QDOVA002AA;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK HIGH/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.917 W/kg

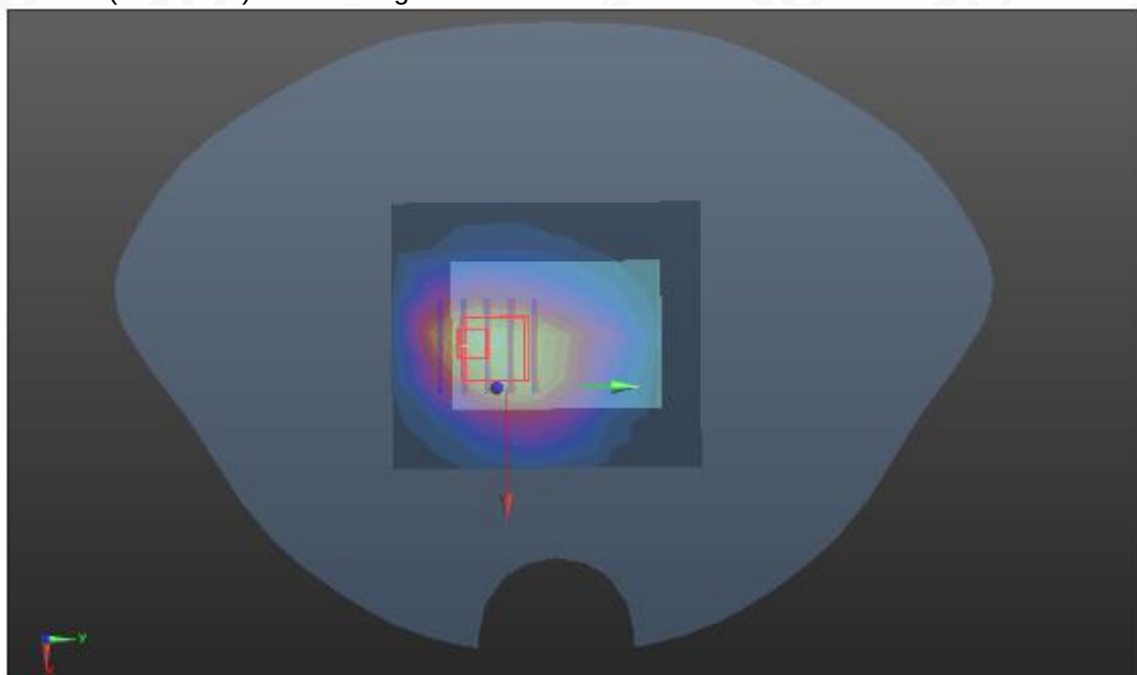
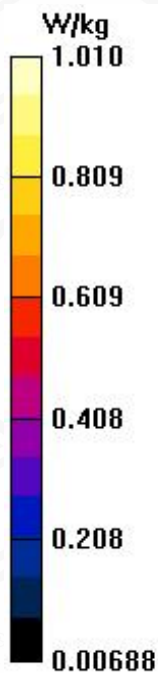
BODY/BACK HIGH/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.975 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.860 W/kg; SAR(10 g) = 0.628 W/kg

Maximum value of SAR (measured) = 1.01 W/kg



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Test Laboratory: AGC Lab
GPRS 1900 Mid-Body- Back (2up) < SIM 1>
DUT: Brama S-C; Type: M1

Date: Nov. 02, 2021

Communication System: GPRS-2 Slot; Communication System Band: PCS 1900; Duty Cycle: 1:4.2;
Frequency: 1880 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.36$ mho/m; $\epsilon_r = 40.23$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C):21.5, Liquid temperature (°C): 21.3

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(8.26, 8.26, 8.26); Calibrated: Aug. 27,2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK/Area Scan (7x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.24 W/kg

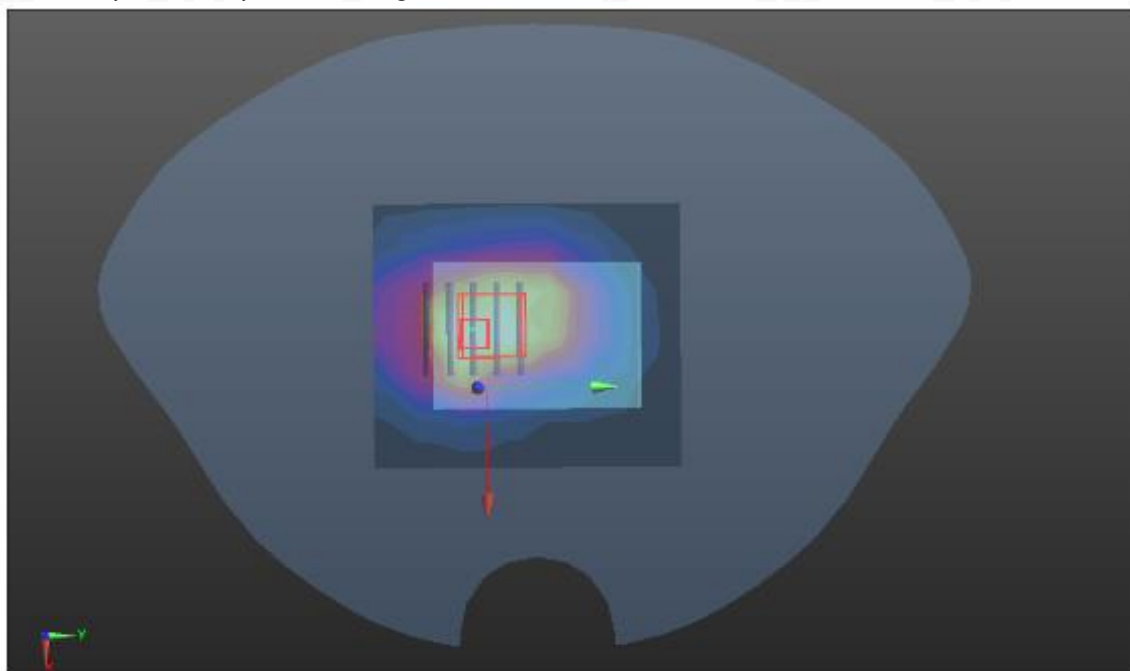
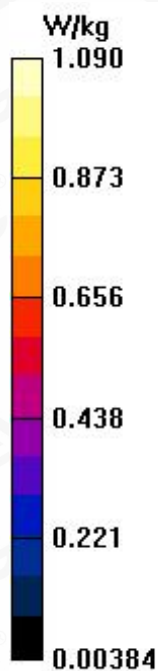
BODY/BACK/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 24.443 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.54 W/kg

SAR(1 g) = 0.901 W/kg; SAR(10 g) = 0.524 W/kg

Maximum value of SAR (measured) = 1.09 W/kg



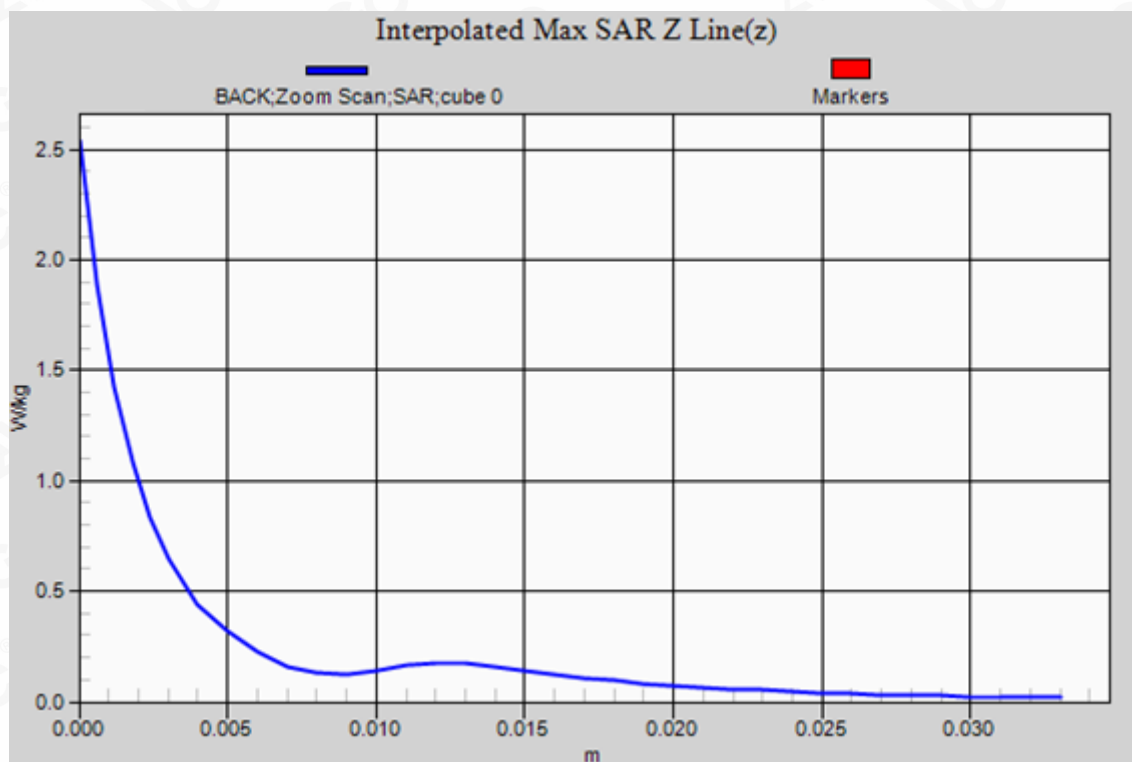
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Test Laboratory: AGC Lab
WCDMA Band II Low-Edge 1
DUT: Brama S-C; Type: M1

Date: Nov. 02, 2021

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1;
Frequency: 1852.4 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.35$ mho/m; $\epsilon_r = 40.64$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C):21.5, Liquid temperature (°C): 21.3

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(8.26, 8.26, 8.26); Calibrated: Aug. 27,2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY 3/EDGE1-L/Area Scan (7x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.81 W/kg

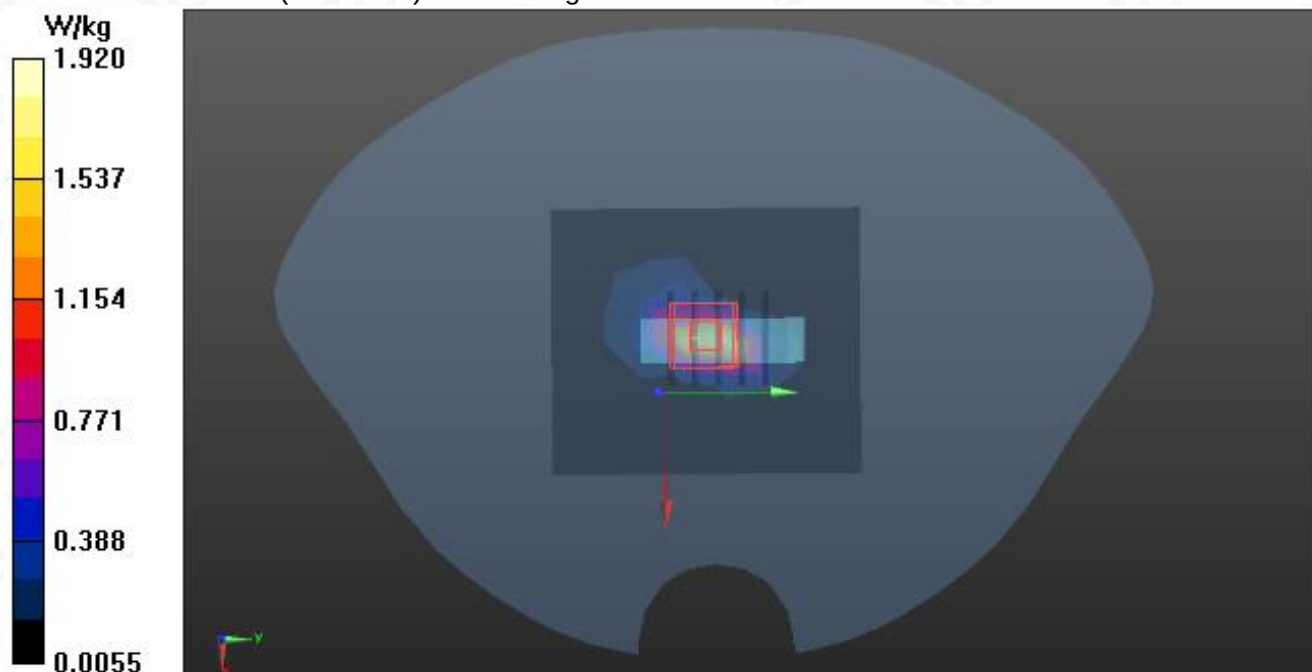
BODY 3/EDGE1-L/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 36.039 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.71 W/kg

SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.504 W/kg

Maximum value of SAR (measured) = 1.92 W/kg



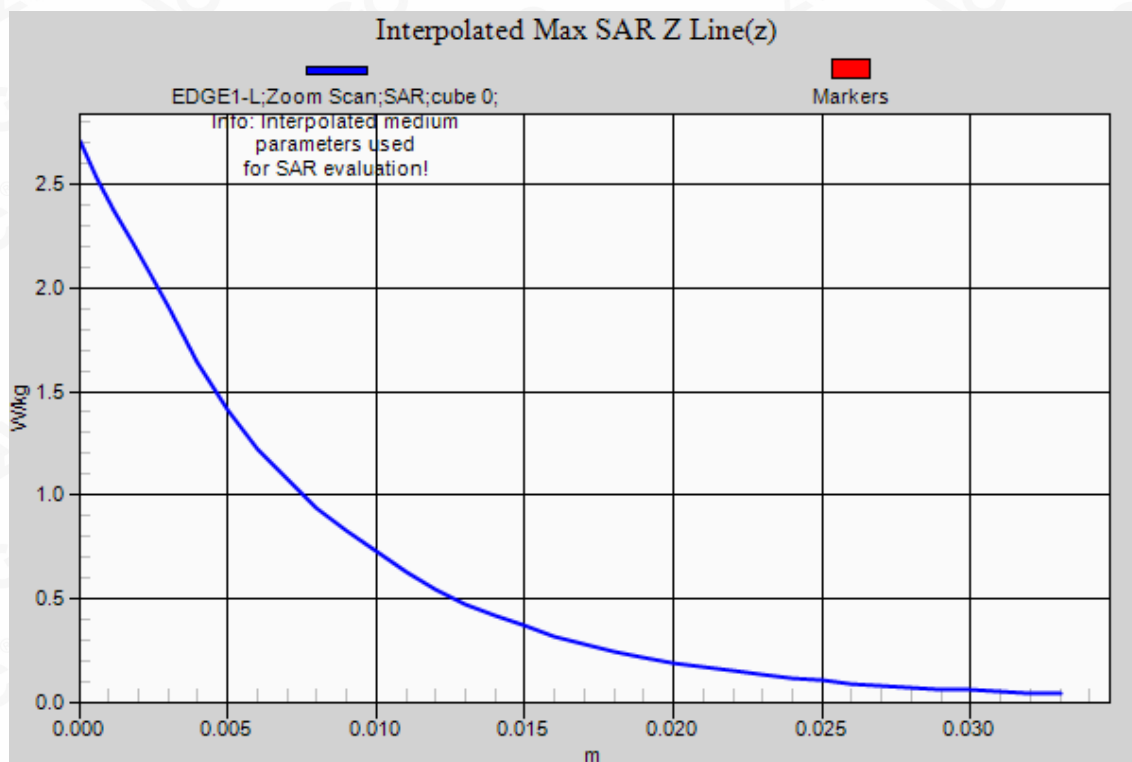
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Test Laboratory: AGC Lab
WCDMA Band IV Mid- Edge 1
DUT: Brama S-C; Type: M1

Date: Nov. 03, 2021

Communication System: UMTS; Communication System Band: BAND IV UTRA/FDD; Duty Cycle: 1:1;
Frequency: 1732.4 MHz; Medium parameters used: $f = 1800$ MHz; $\sigma = 1.35$ mho/m; $\epsilon_r = 40.25$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 22.0, Liquid temperature (°C): 21.8

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(8.55, 8.55, 8.55); Calibrated: Aug. 27,2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY 3/EDGE 1/Area Scan (7x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.743 W/kg

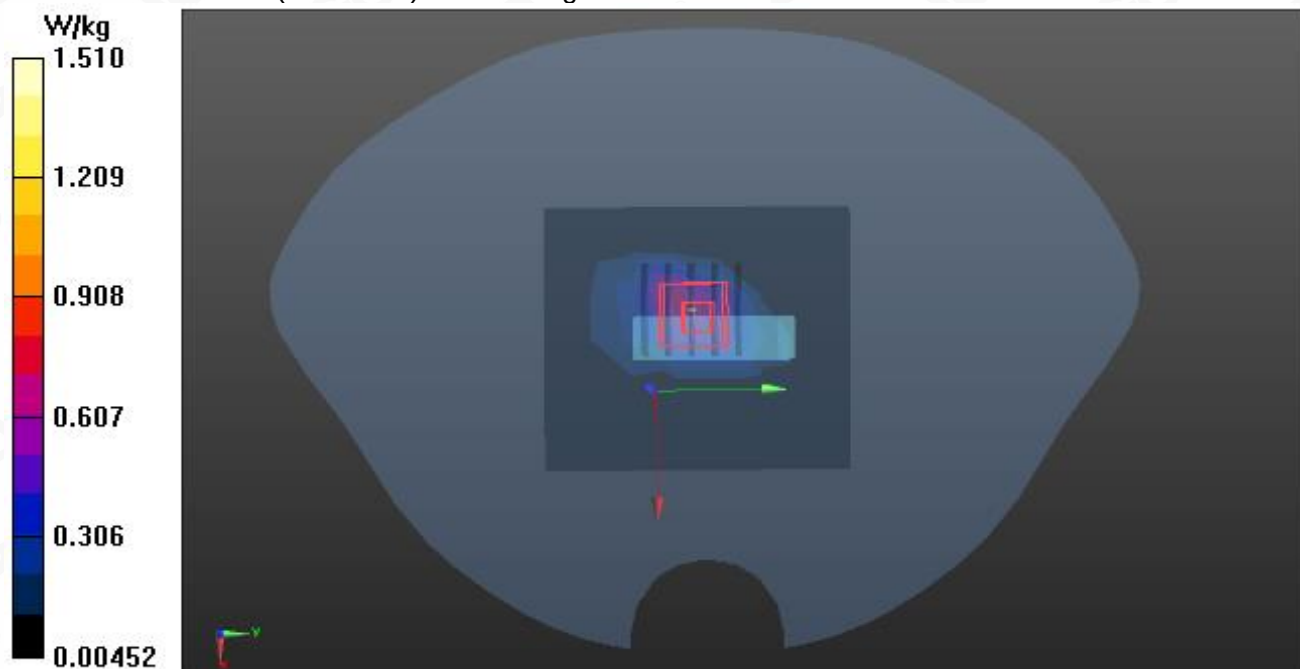
BODY 3/EDGE 1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 20.576 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 2.61 W/kg

SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.433 W/kg

Maximum value of SAR (measured) = 1.51 W/kg



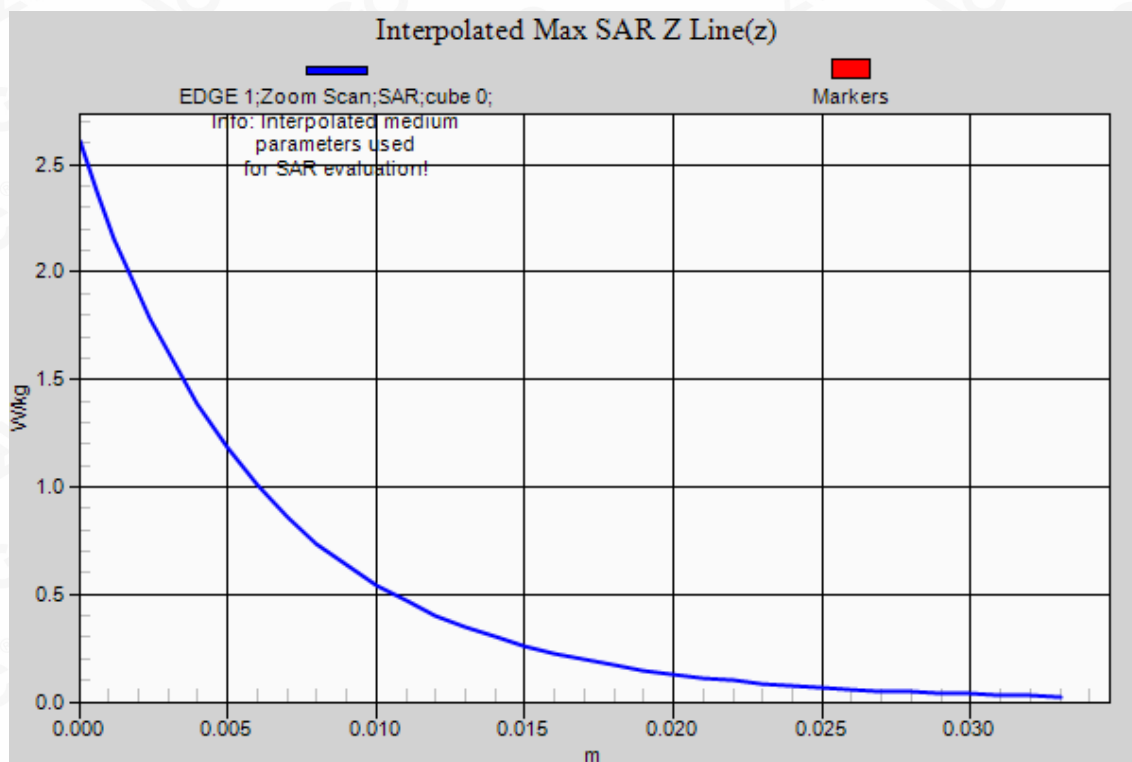
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Test Laboratory: AGC Lab
WCDMA Band V Mid-Body-Towards Grounds
DUT: Brama S-C; Type: M1

Date: Nov. 22, 2021

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD; Duty Cycle: 1:1;
Frequency: 836.6 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 41.43$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.4, Liquid temperature (°C): 21.2

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(10.01, 10.01, 10.01); Calibrated: Aug. 27, 2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17, 2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK/Area Scan (7x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.609 W/kg

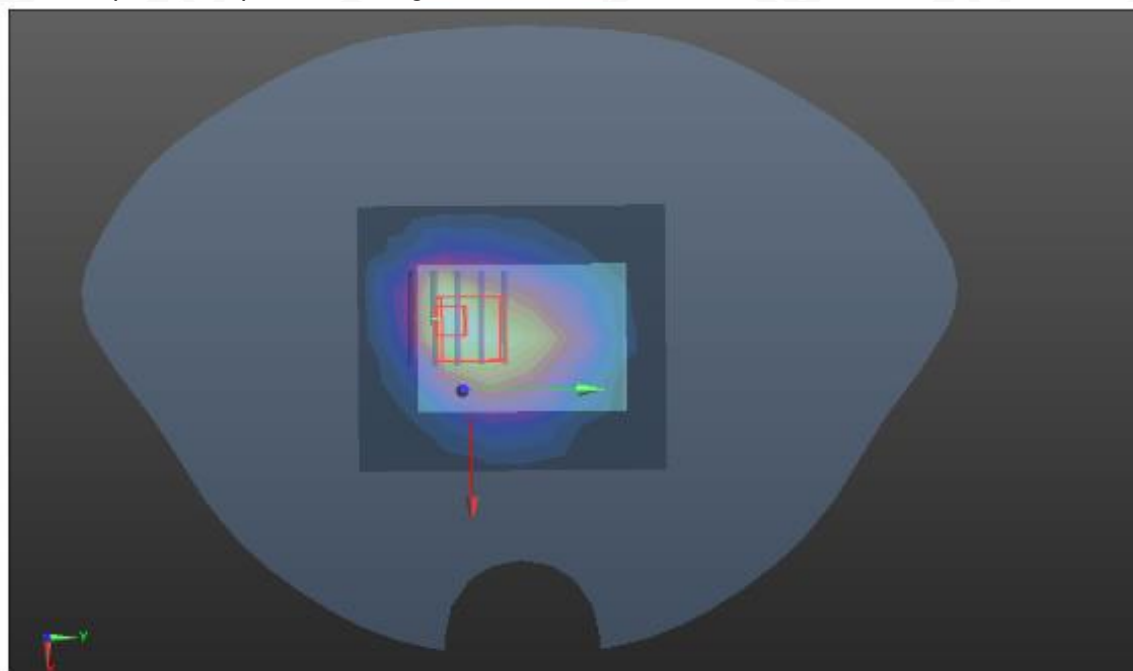
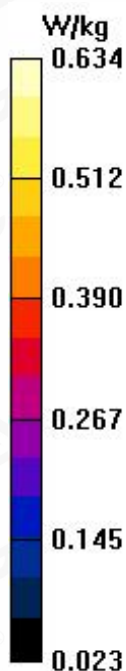
BODY/BACK/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 23.498 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.881 W/kg

SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.339 W/kg

Maximum value of SAR (measured) = 0.634 W/kg



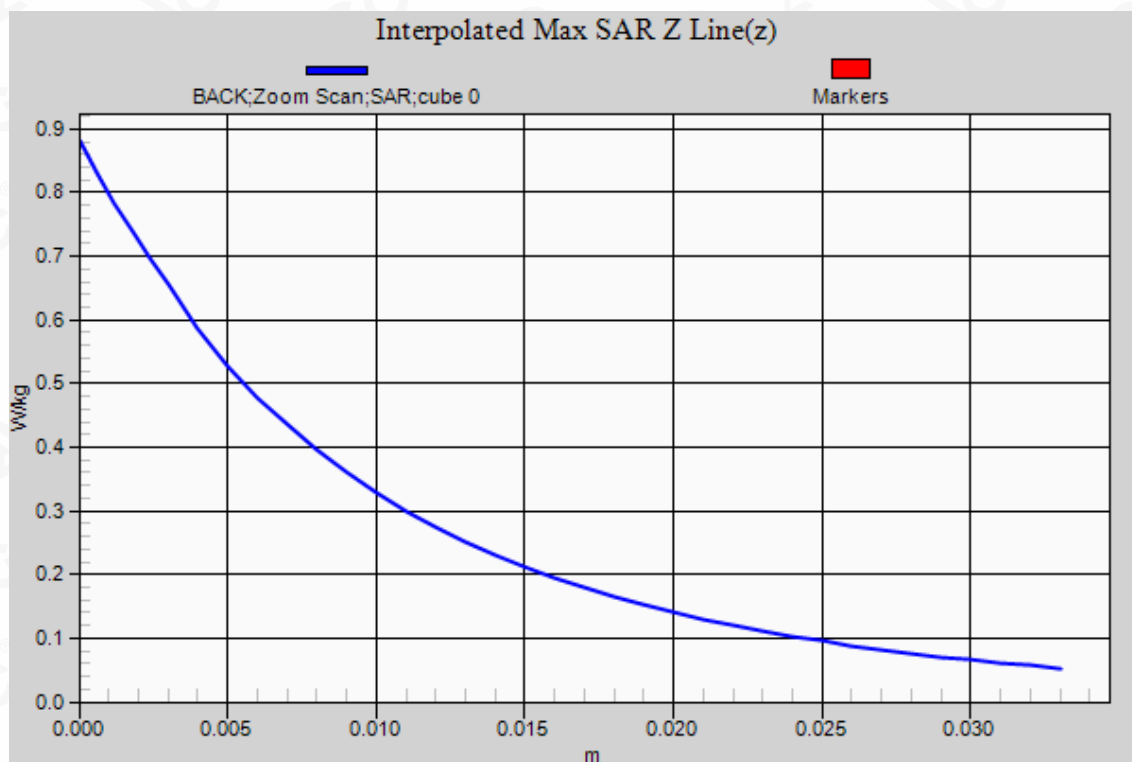
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Test Laboratory: AGC Lab
LTE Band 2 Mid-Body- Edge 1 (1 RB#0)
DUT: Brama S-C; Type: M1

Date: Nov. 25, 2021

Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle: 1:1;
Frequency: 1880 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 39.85$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.4, Liquid temperature (°C): 21.2

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(8.26, 8.26, 8.26); Calibrated: Aug. 27,2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY 3/EDGE 1/Area Scan (7x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.18 W/kg

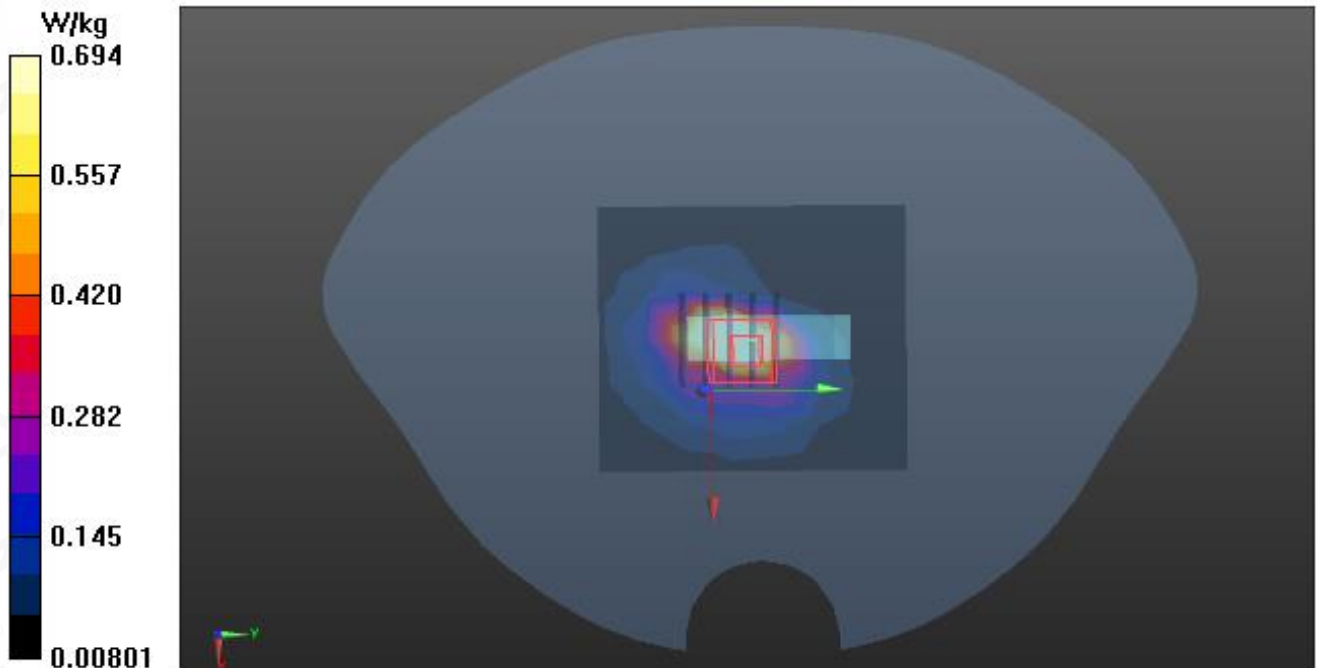
BODY 3/EDGE 1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 23.260 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.604 W/kg; SAR(10 g) = 0.284 W/kg

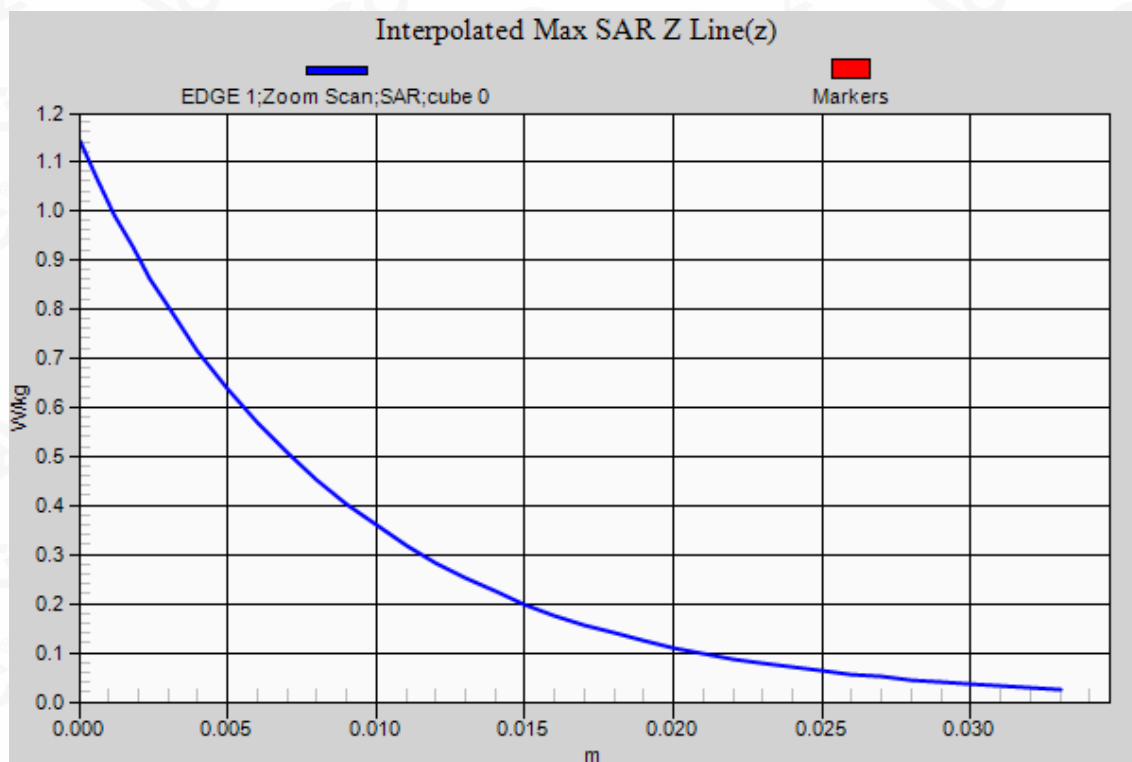
Maximum value of SAR (measured) = 0.694 W/kg



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Test Laboratory: AGC Lab
LTE Band 4 Mid-Body-Back (1 RB#0)
DUT: Brama S-C; Type: M1

Date: Nov. 03, 2021

Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1;
Frequency:1732.5 MHz; Medium parameters used: $f = 1750$ MHz; $\sigma = 1.35$ mho/m; $\epsilon_r = 40.25$; $\rho = 1000$ kg/m³;
Phantom section: Flat Section
Ambient temperature (°C): 22.0, Liquid temperature (°C): 21.8

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(8.55, 8.55, 8.55); Calibrated: Aug. 27,2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK/Area Scan (7x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.774 W/kg

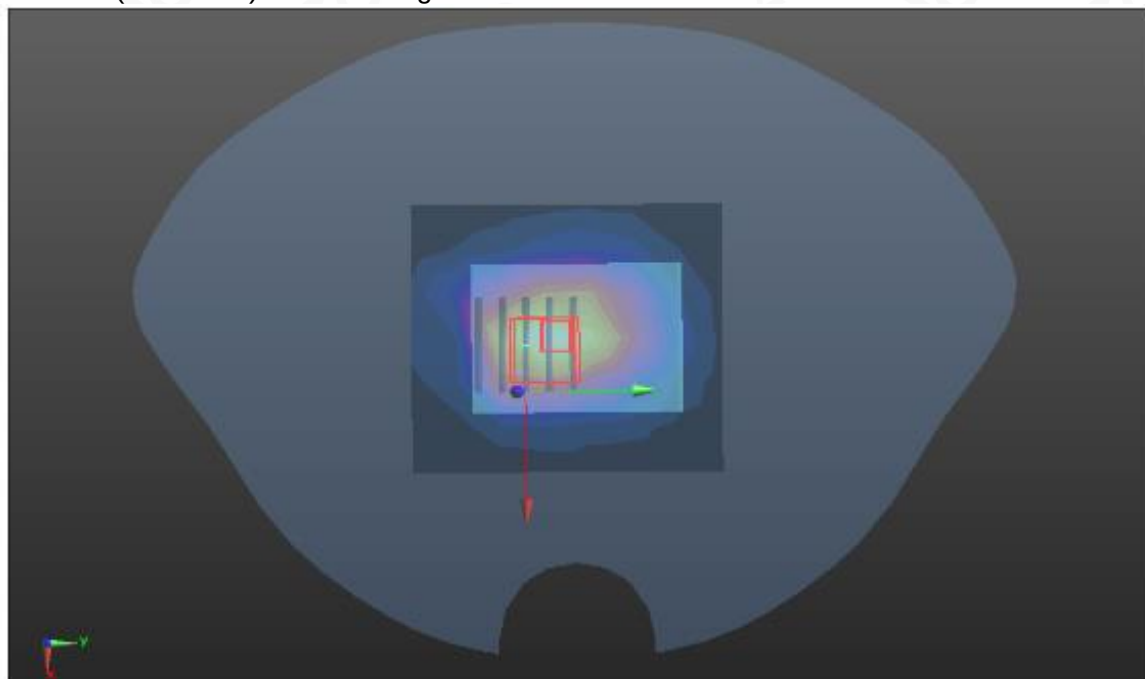
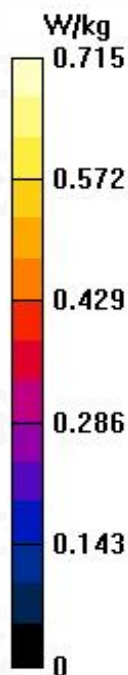
BODY/BACK/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 22.018 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.644 W/kg; SAR(10 g) = 0.329 W/kg

Maximum value of SAR (measured) = 0.715 W/kg



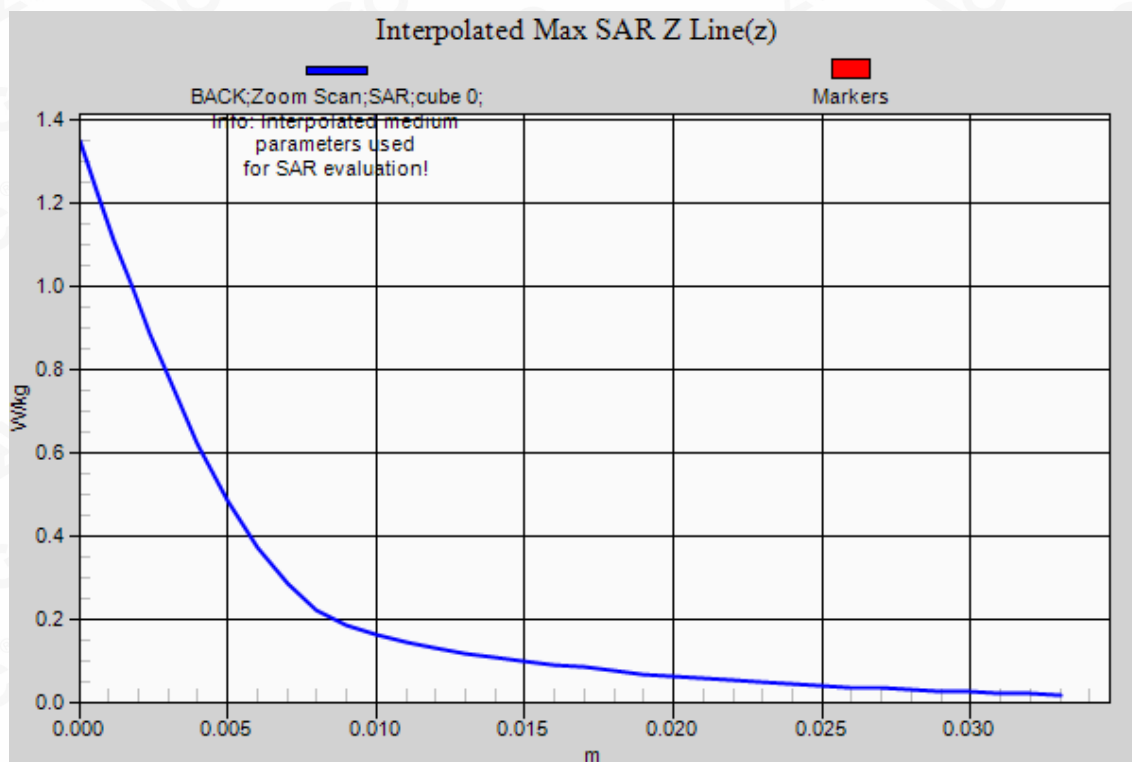
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Test Laboratory: AGC Lab
LTE Band 5 Mid-Body-Back (1 RB#0)
DUT: Brama S-C; Type: M1

Date: Nov. 24, 2021

Communication System: LTE; Communication System Band: LTE Band 5; Duty Cycle:1:1;
Frequency:836.5 MHz; Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 42.51$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section
Ambient temperature ($^{\circ}\text{C}$): 21.5, Liquid temperature ($^{\circ}\text{C}$): 21.3

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(10.01, 10.01, 10.01); Calibrated: Aug. 27,2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK/Area Scan (7x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.533 W/kg

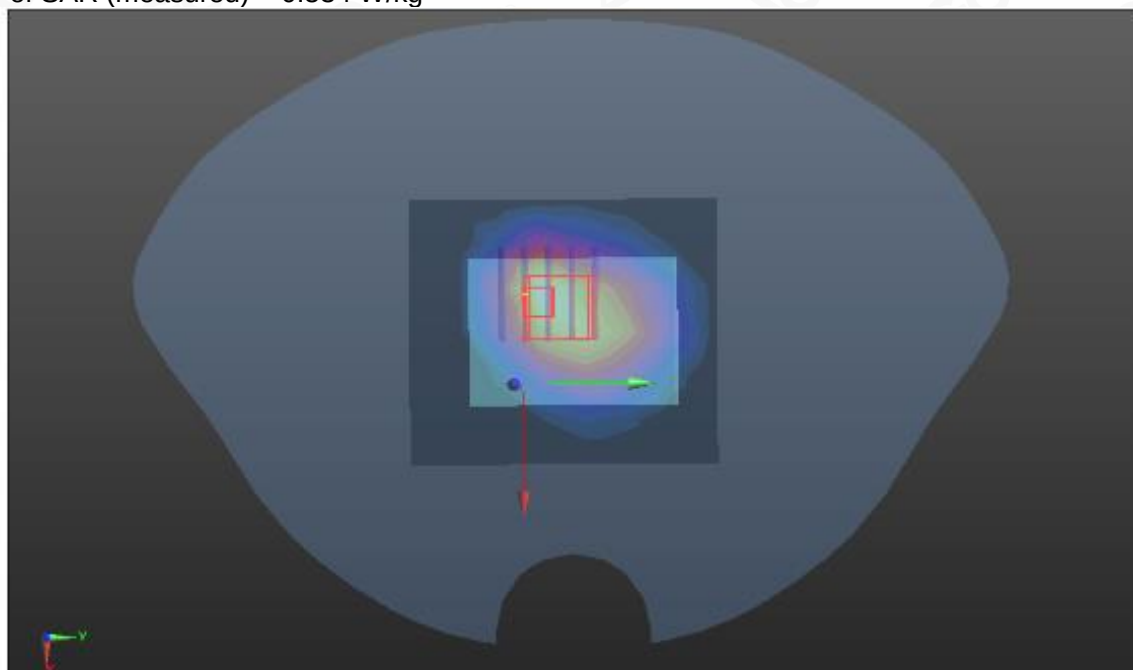
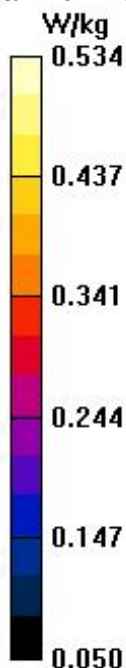
BODY/BACK/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 22.490 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.654 W/kg

SAR(1 g) = 0.460 W/kg; SAR(10 g) = 0.339 W/kg

Maximum value of SAR (measured) = 0.534 W/kg



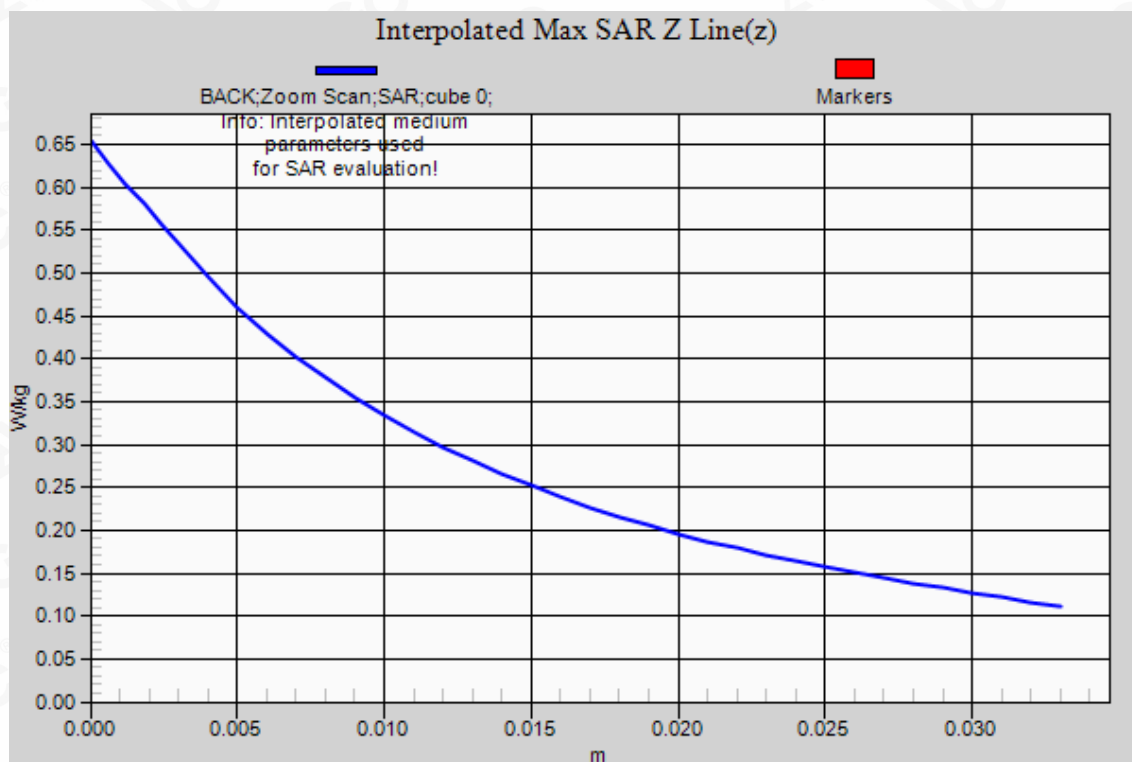
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Test Laboratory: AGC Lab
LTE Band 7 Low-Body- Edge 1 (1RB#0)
DUT: Brama S-C; Type: M1

Date: Nov. 01, 2021

Communication System: LTE; Communication System Band: LTE Band 7; Duty Cycle:1:1;
Frequency: 2510MHz; Medium parameters used: $f = 2600$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 39.74$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.8, Liquid temperature (°C): 21.6

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(7.42, 7.42, 7.42); Calibrated: Aug. 27,2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY 3/EDGE 1 LOW/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.21 W/kg

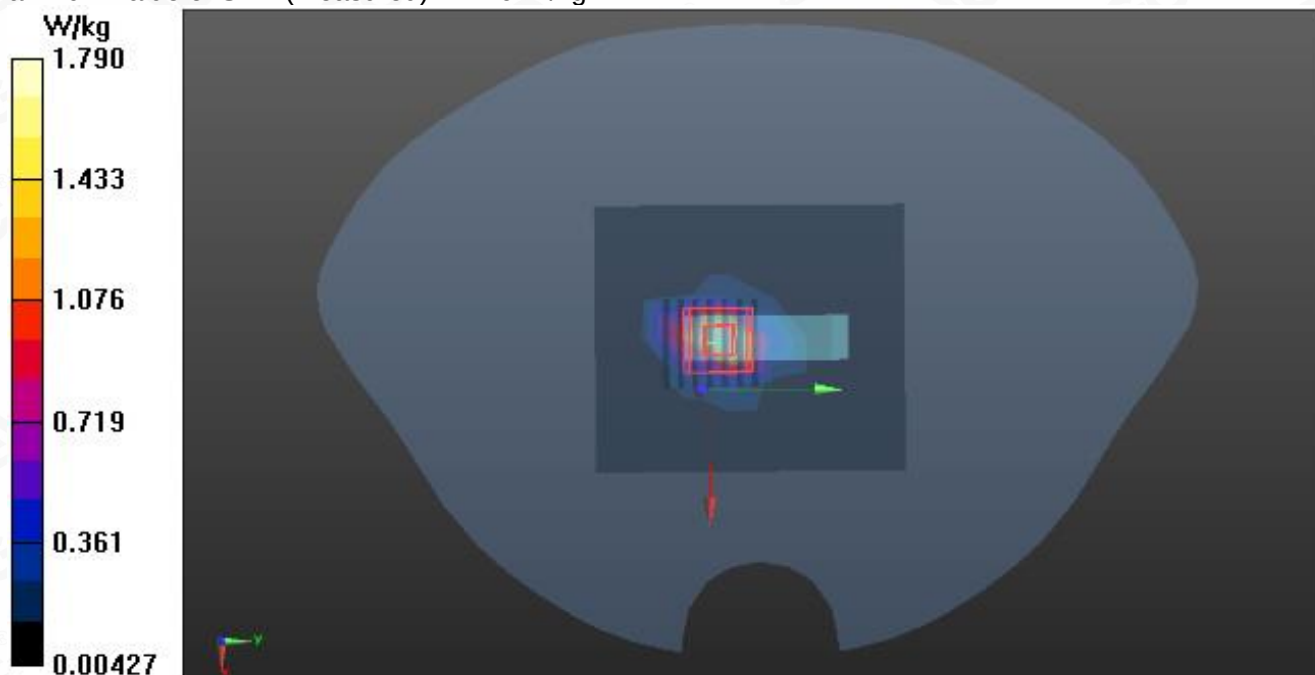
BODY 3/EDGE 1 LOW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.034 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 3.30 W/kg

SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.499 W/kg

Maximum value of SAR (measured) = 1.79 W/kg



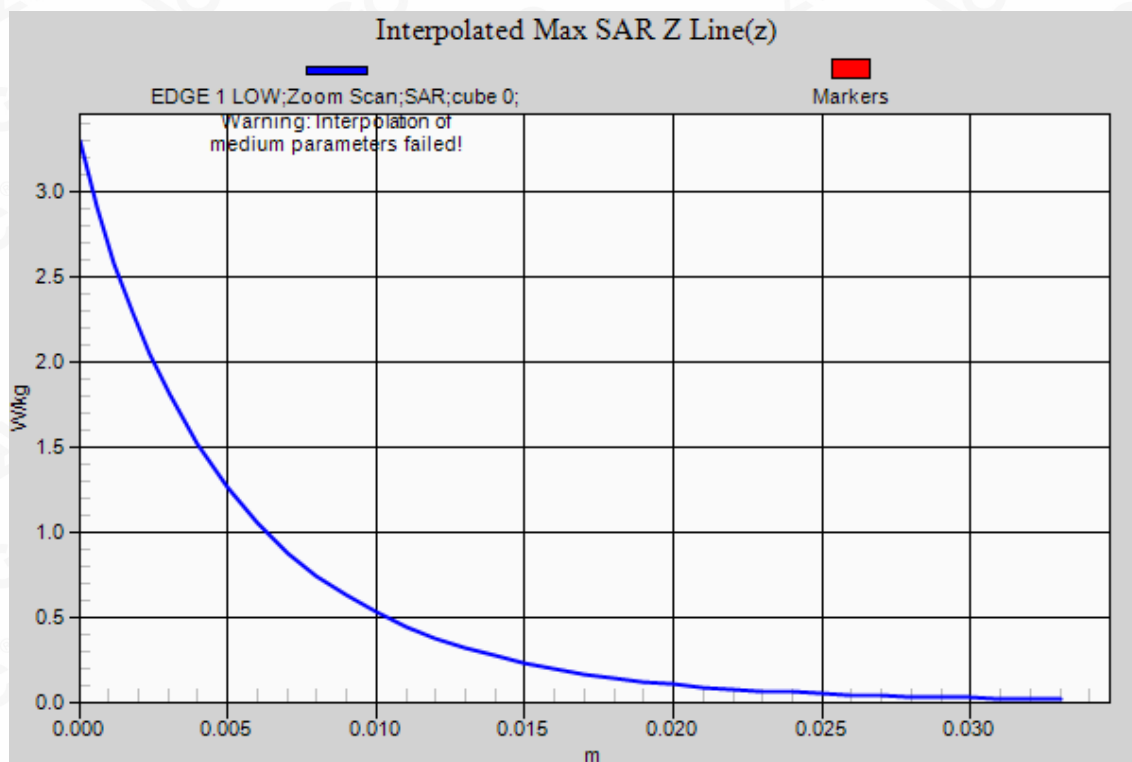
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Test Laboratory: AGC Lab
LTE Band 12 Mid-Body-Back (1 RB#0)
DUT: Brama S-C; Type: M1

Date: Nov. 08, 2021

Communication System: LTE; Communication System Band: LTE Band 12; Duty Cycle:1:1;
Frequency: 707.5 MHz; Medium parameters used: $f = 750$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 43.15$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.8, Liquid temperature (°C): 21.6

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(10.37, 10.37, 10.37); Calibrated: Aug. 27,2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK/Area Scan (7x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.117 W/kg

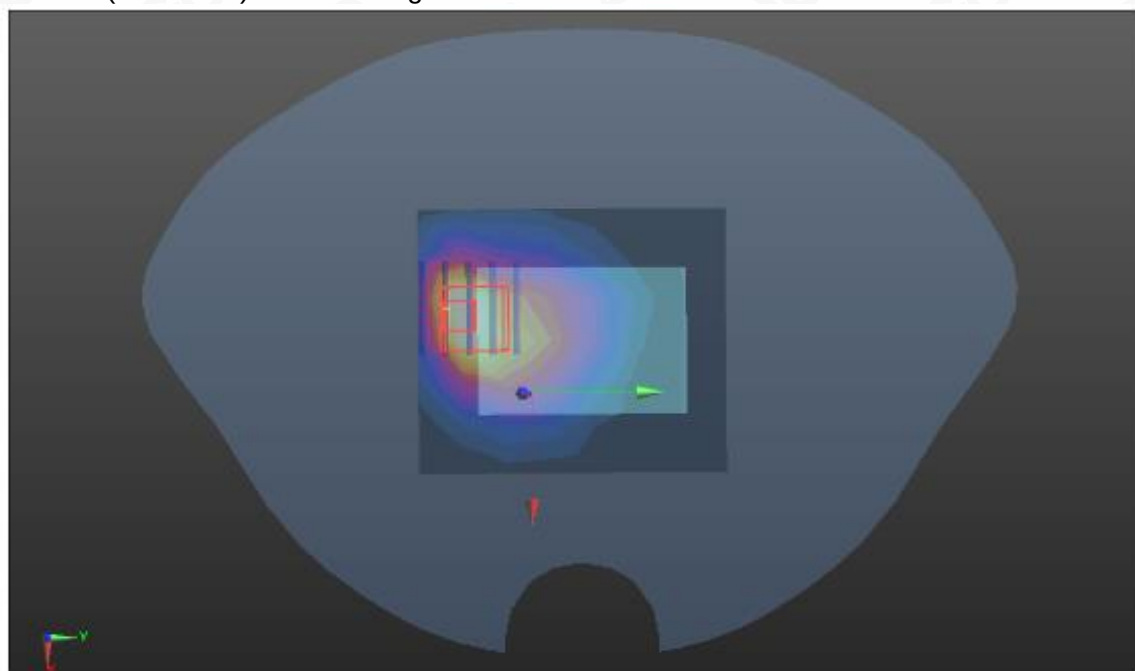
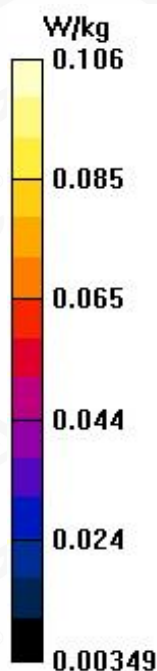
BODY/BACK/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.234 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.162 W/kg

SAR(1 g) = 0.090 W/kg; SAR(10 g) = 0.054 W/kg

Maximum value of SAR (measured) = 0.106 W/kg



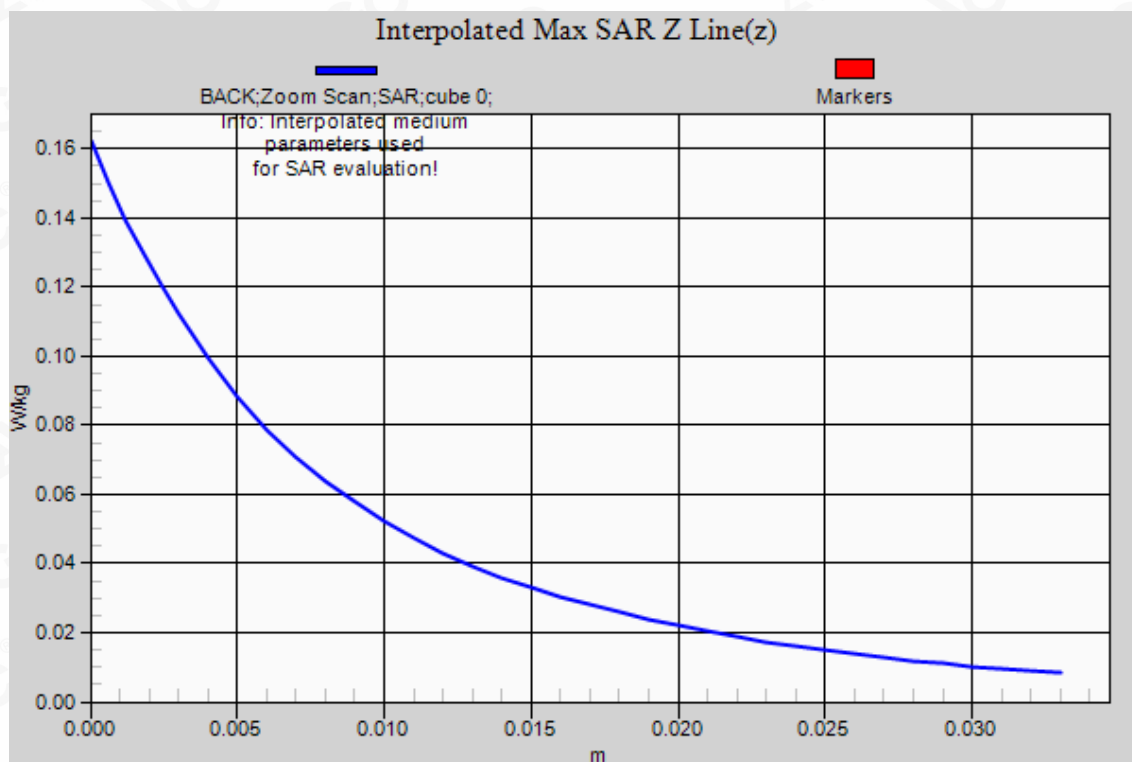
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Test Laboratory: AGC Lab
LTE Band 17 Mid-Body-Back (1 RB#0)
DUT: Brama S-C; Type: M1

Date: Nov. 08, 2021

Communication System: LTE; Communication System Band: LTE Band 17; Duty Cycle:1:1;
Frequency: 710 MHz; Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 42.88$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section
Ambient temperature ($^{\circ}\text{C}$): 21.8, Liquid temperature ($^{\circ}\text{C}$): 21.6

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(10.37, 10.37, 10.37); Calibrated: Aug. 27,2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK/Area Scan (7x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.110 W/kg

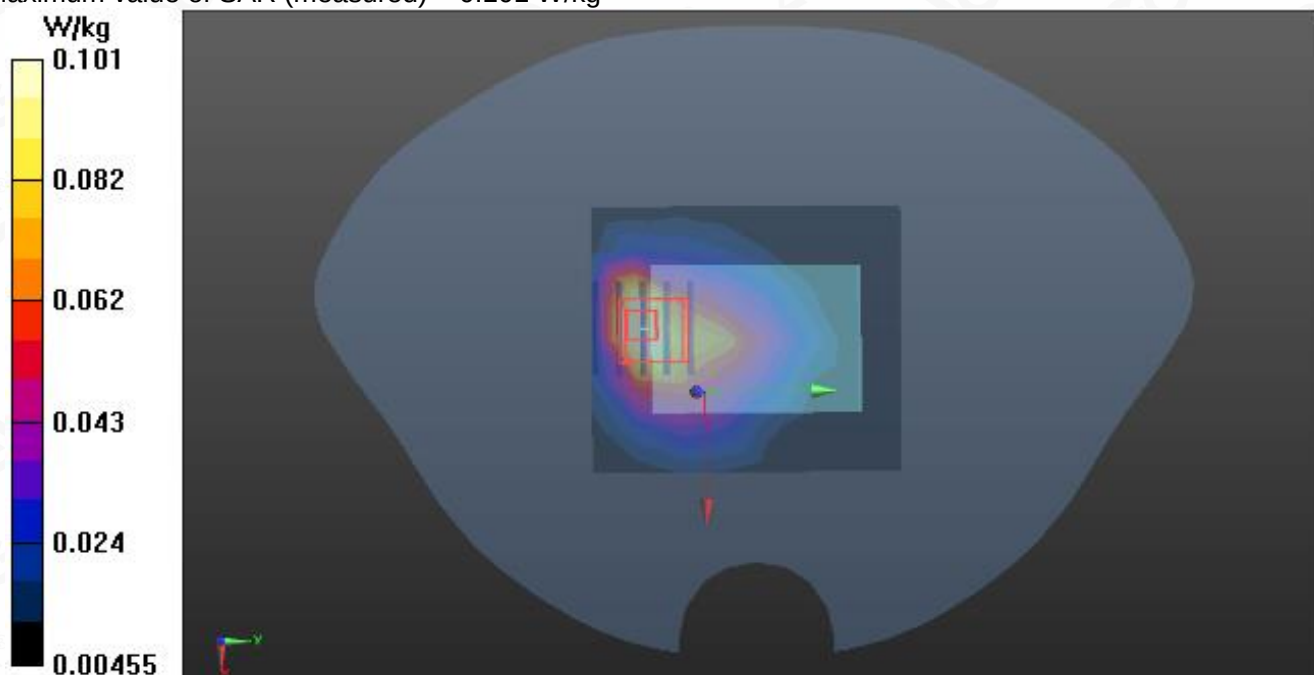
BODY/BACK/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.476 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.154 W/kg

SAR(1 g) = 0.086 W/kg; SAR(10 g) = 0.051 W/kg

Maximum value of SAR (measured) = 0.101 W/kg



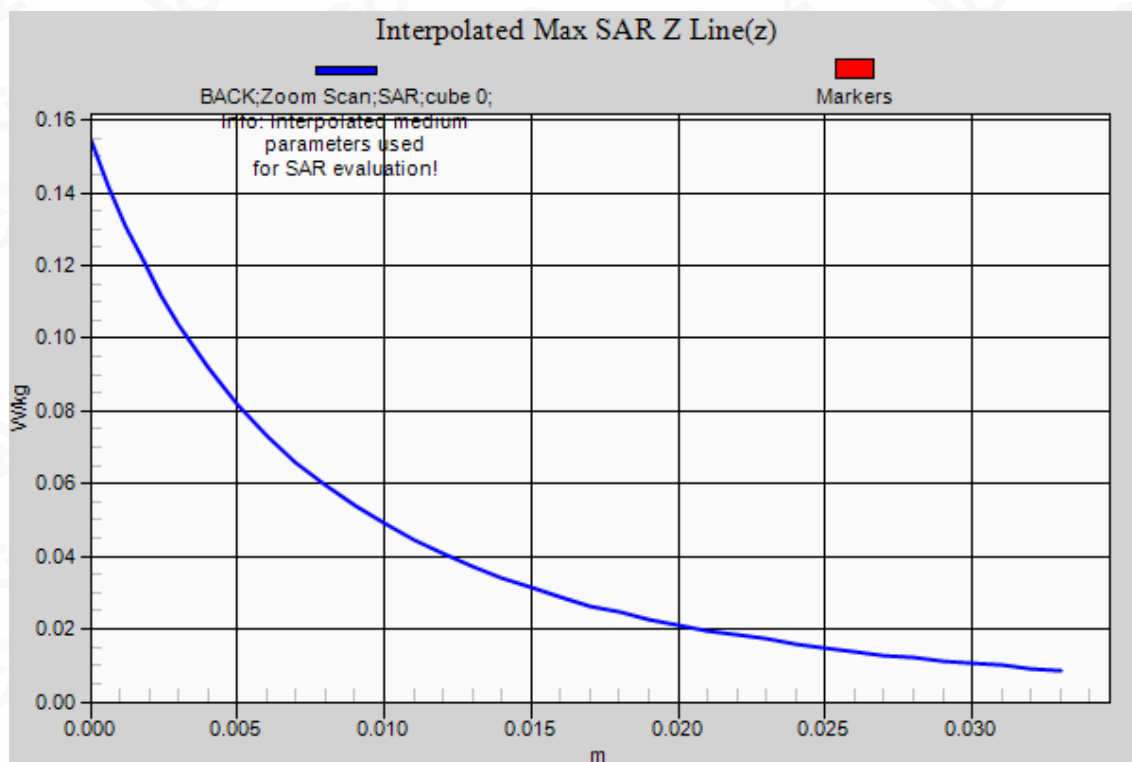
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WIFI MODE

Test Laboratory: AGC Lab

802.11b Mid- Edge4 (DTS)

DUT: Brama S-C; Type: M1

Date: Nov. 04, 2021

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1;
Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.77$ mho/m; $\epsilon_r = 38.95$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.6, Liquid temperature (°C): 21.4

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(7.60, 7.60, 7.60); Calibrated: Aug. 27,2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY 2/EDGE 4/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.211 W/kg

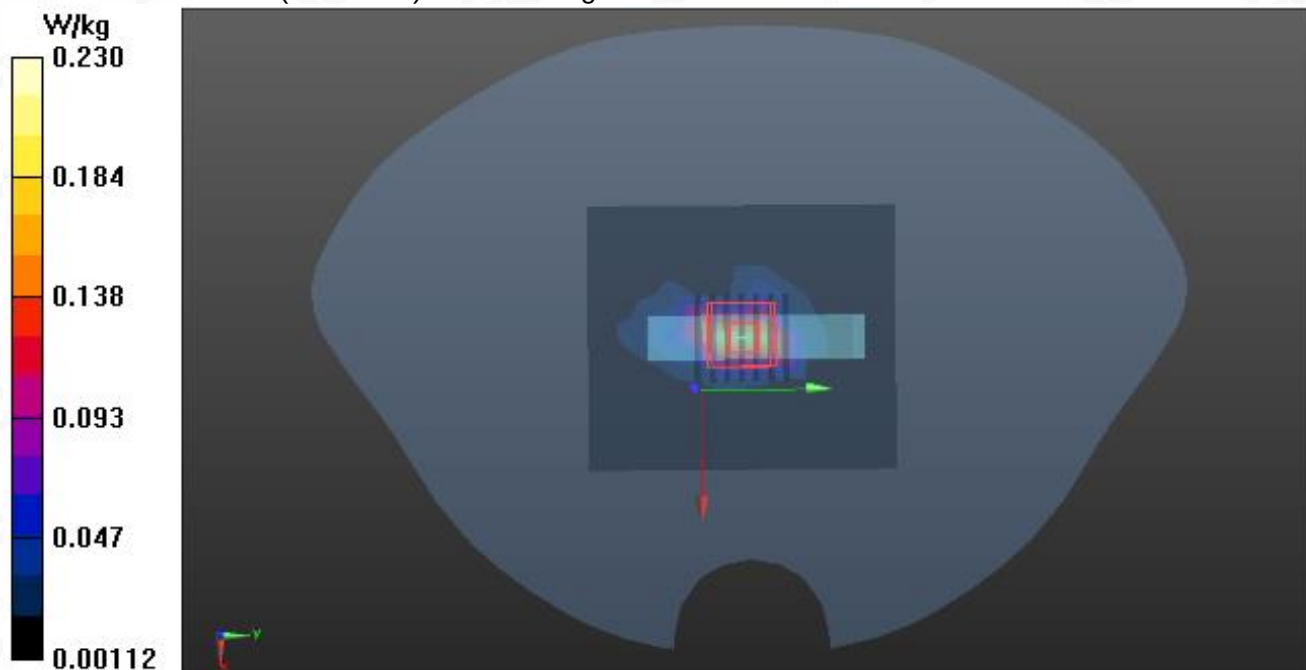
BODY 2/EDGE 4/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.955 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.411 W/kg

SAR(1 g) = 0.162 W/kg; SAR(10 g) = 0.063 W/kg

Maximum value of SAR (measured) = 0.230 W/kg



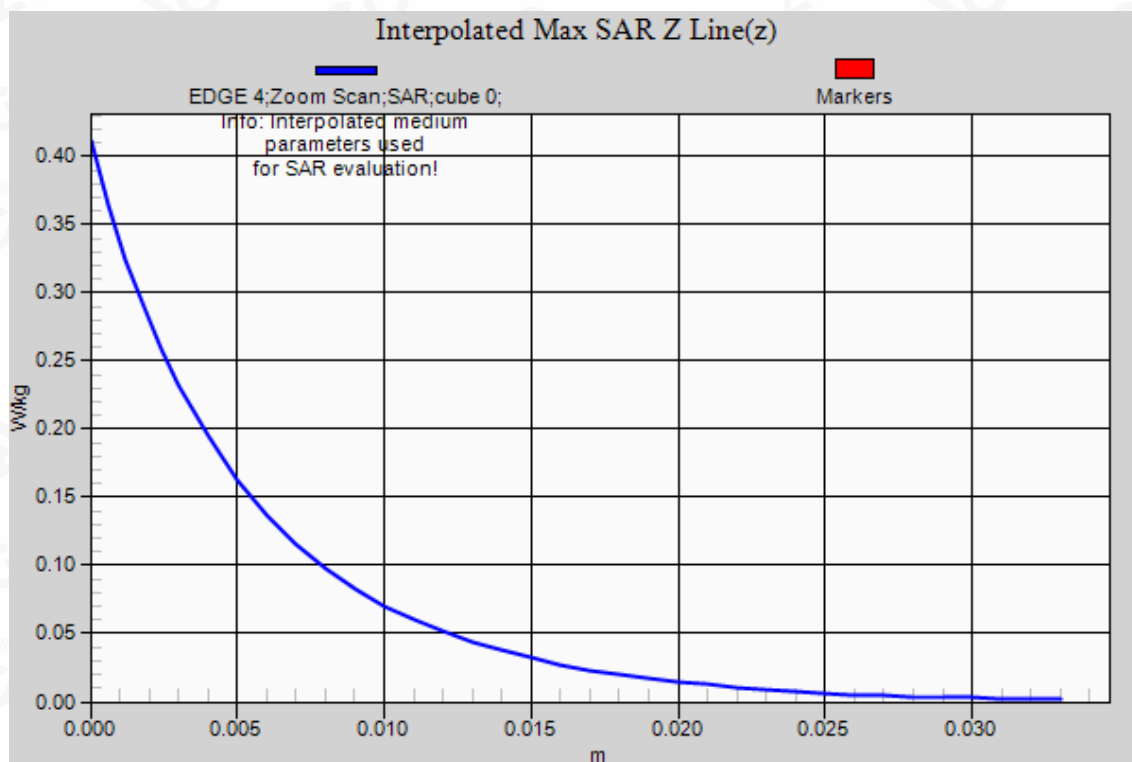
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Test Laboratory: AGC Lab
5.2GHz -802.11a CH40- Mid-Body- Front (Top)
DUT: Brama S-C; Type: M1

Date: Nov. 26, 2021

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1
Frequency: 5200 MHz; Medium parameters used: $f = 5250\text{MHz}$; $\sigma = 4.73\text{ mho/m}$; $\epsilon_r = 35.08$; $\rho = 1000\text{ kg/m}^3$;
Phantom section: Flat Section
Ambient temperature ($^{\circ}\text{C}$): 21.6, Liquid temperature ($^{\circ}\text{C}$): 21.4

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(5.42, 5.42, 5.42); Calibrated: Aug. 27,2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/FRONT/Area Scan (7x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.387 W/kg

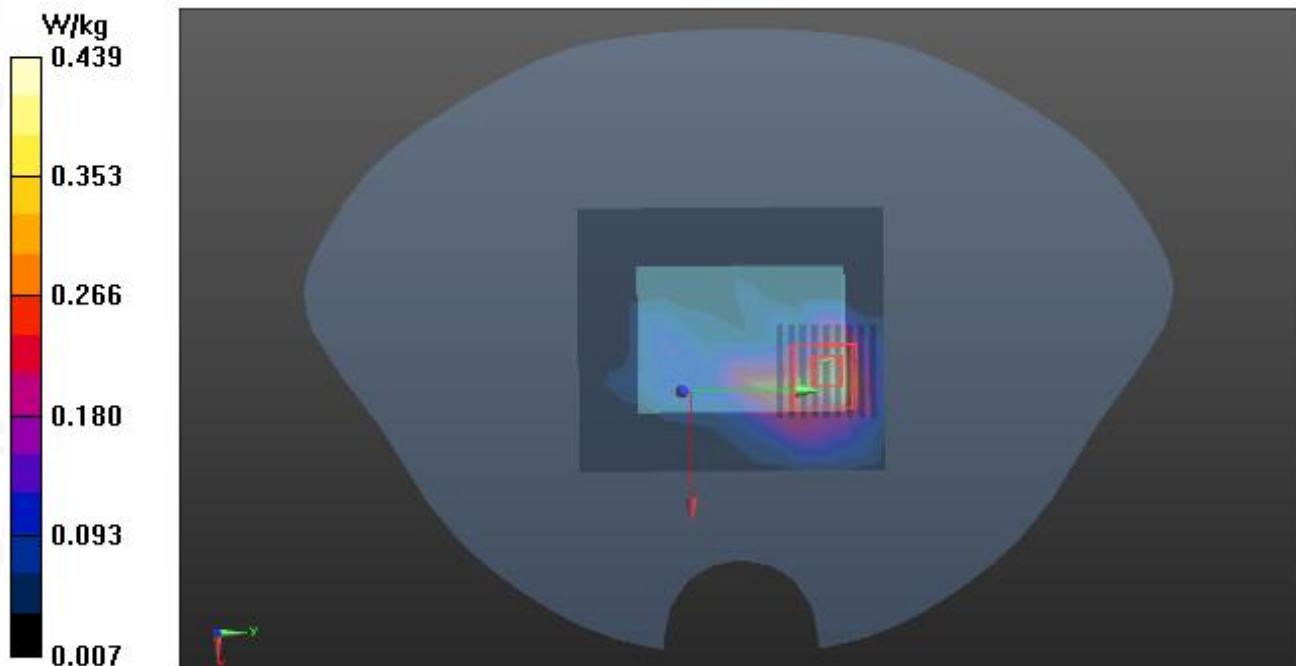
BODY/FRONT/Zoom Scan (9x9x16)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 3.565 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.753 W/kg

SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.103 W/kg

Maximum value of SAR (measured) = 0.439 W/kg



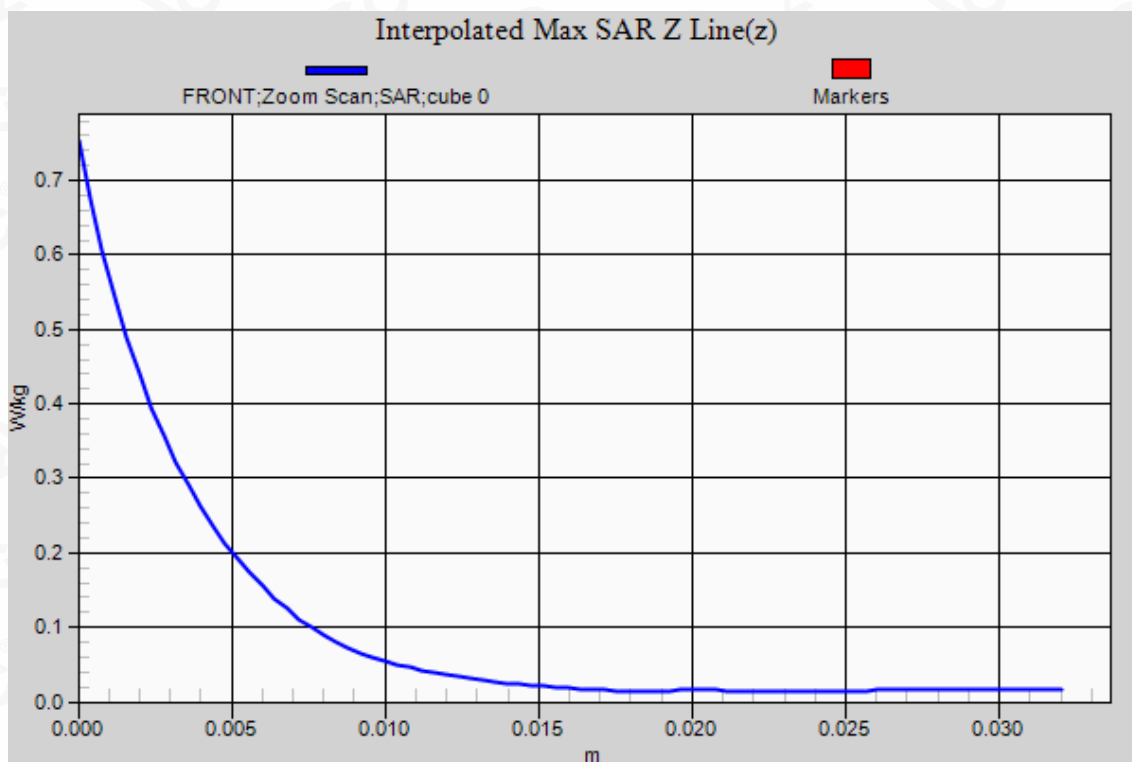
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Test Laboratory: AGC Lab
5.8GHz -802.11a- CH157- Mid-Edge3
DUT: Brama S-C; Type: M1

Date: Nov. 27, 2021

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1
Frequency: 5785 MHz; Medium parameters used: $f = 5750$ MHz; $\sigma = 5.23$ mho/m; $\epsilon_r = 36.17$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.9, Liquid temperature (°C): 21.7

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(4.96, 4.96, 4.96); Calibrated: Aug. 27,2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY 3/EDGE 3/Area Scan (7x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.446 W/kg

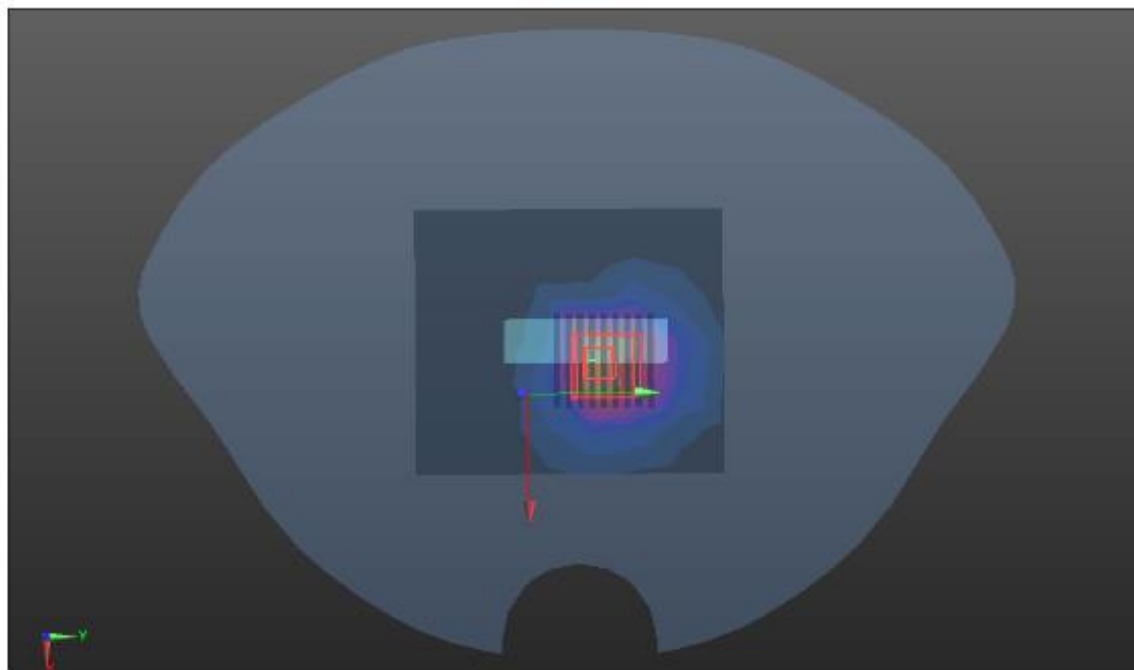
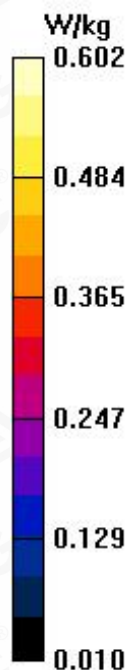
BODY 3/EDGE 3/Zoom Scan (9x9x16)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 6.830 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.602 W/kg



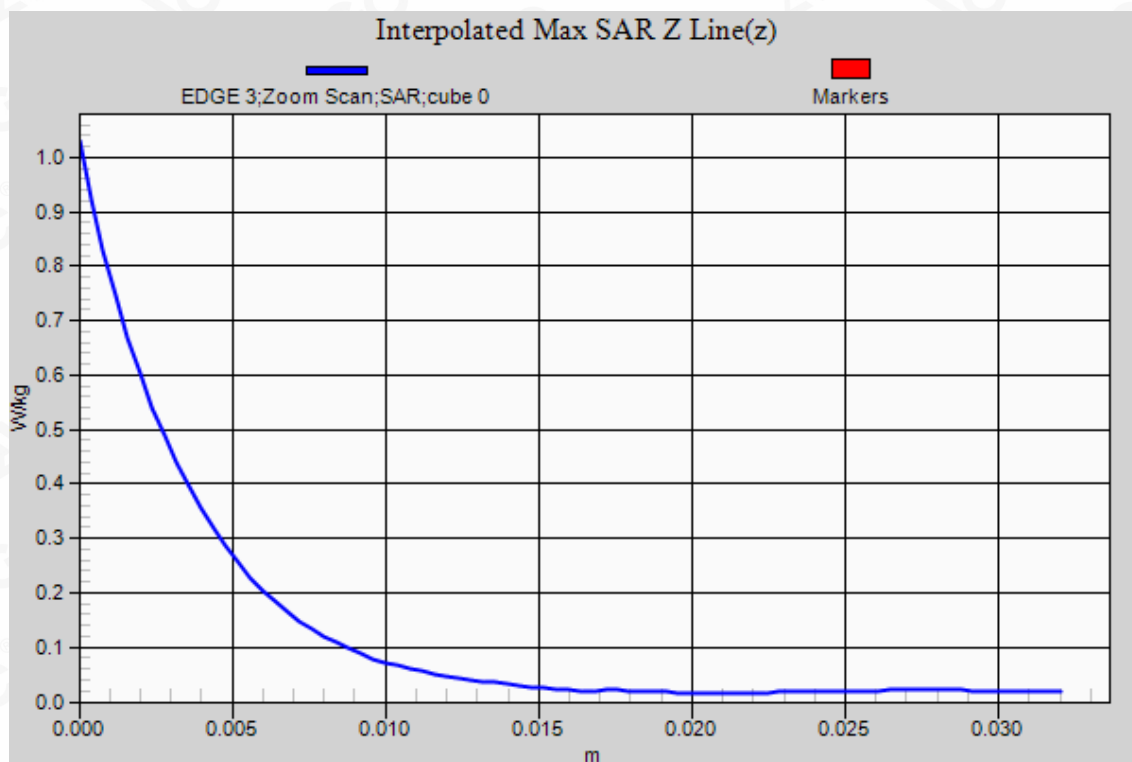
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Repeated SAR

Test Laboratory: AGC Lab

Date: Nov. 22, 2021

GPRS 850 High- Body- Back (2up) < SIM 1>

DUT: Brama S-C; Type: M1

Communication System: GPRS-2 Slot; Communication System Band: GSM 850; Duty Cycle: 1:4.2;
Frequency: 848.8 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 41.18$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C):21.4, Liquid temperature (°C): 21.2

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(10.01, 10.01, 10.01); Calibrated: Aug. 27,2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QDOVA002AA;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/Repeated/Area Scan (7x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.893 W/kg

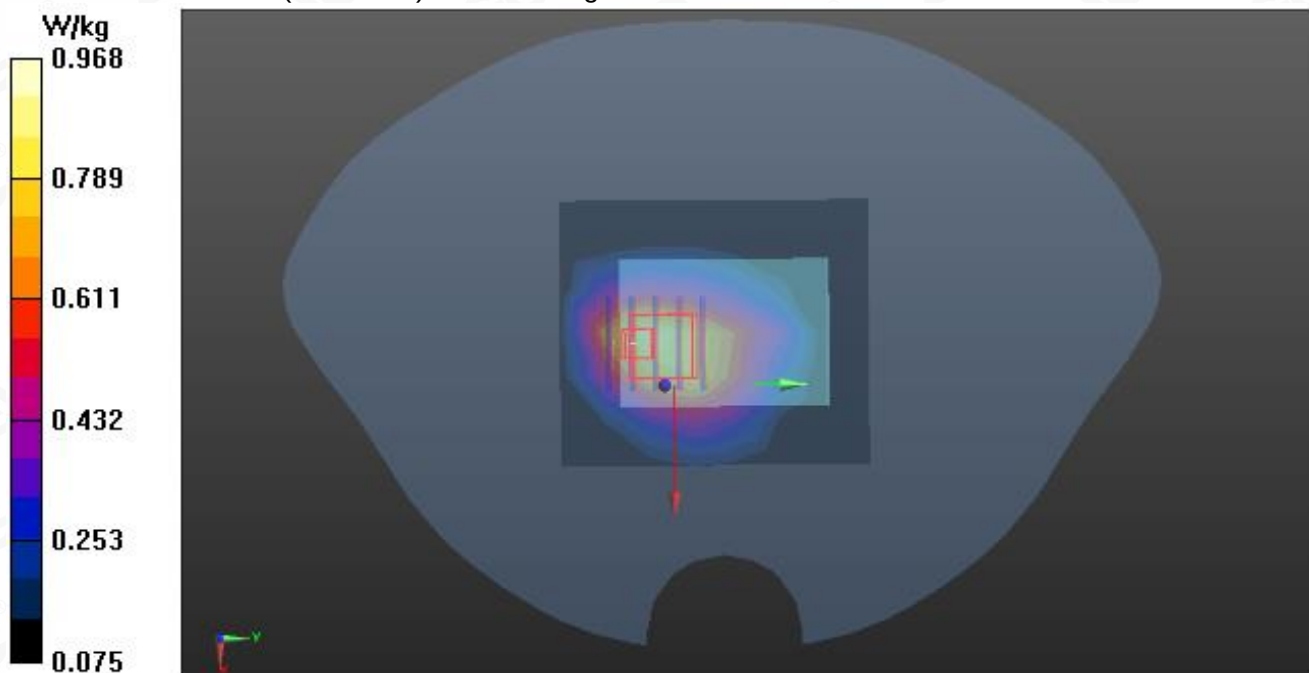
BODY/Repeated/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 27.280 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.831 W/kg; SAR(10 g) = 0.610 W/kg

Maximum value of SAR (measured) = 0.968 W/kg



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Test Laboratory: AGC Lab
GPRS 1900 Mid-Body- Back (2up) < SIM 1>
DUT: Brama S-C; Type: M1

Date: Nov. 02, 2021

Communication System: GPRS-2 Slot; Communication System Band: PCS 1900; Duty Cycle: 1:4.2;
Frequency: 1880 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.36$ mho/m; $\epsilon_r = 40.23$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C):21.5, Liquid temperature (°C): 21.3

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(8.26, 8.26, 8.26); Calibrated: Aug. 27,2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY/BACK -Repeated/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.15 W/kg

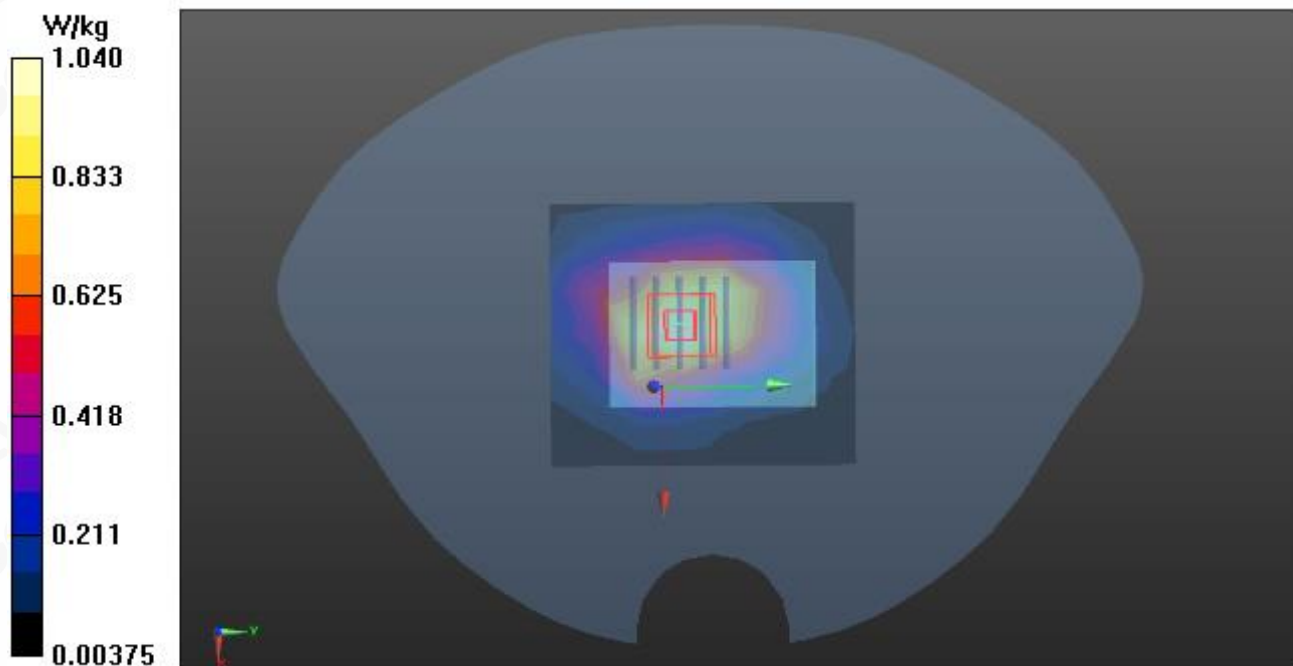
BODY/BACK -Repeated/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.045 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.491 W/kg

Maximum value of SAR (measured) = 1.04 W/kg



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Test Laboratory: AGC Lab
WCDMA Band II Low-Edge 1
DUT: Brama S-C; Type: M1

Date: Nov. 02, 2021

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1;
Frequency: 1852.4 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.35$ mho/m; $\epsilon_r = 40.64$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C):21.5, Liquid temperature (°C): 21.3

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(8.26, 8.26, 8.26); Calibrated: Aug. 27,2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY 3/EDGE1-L-REPEATED/Area Scan (7x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.64 W/kg

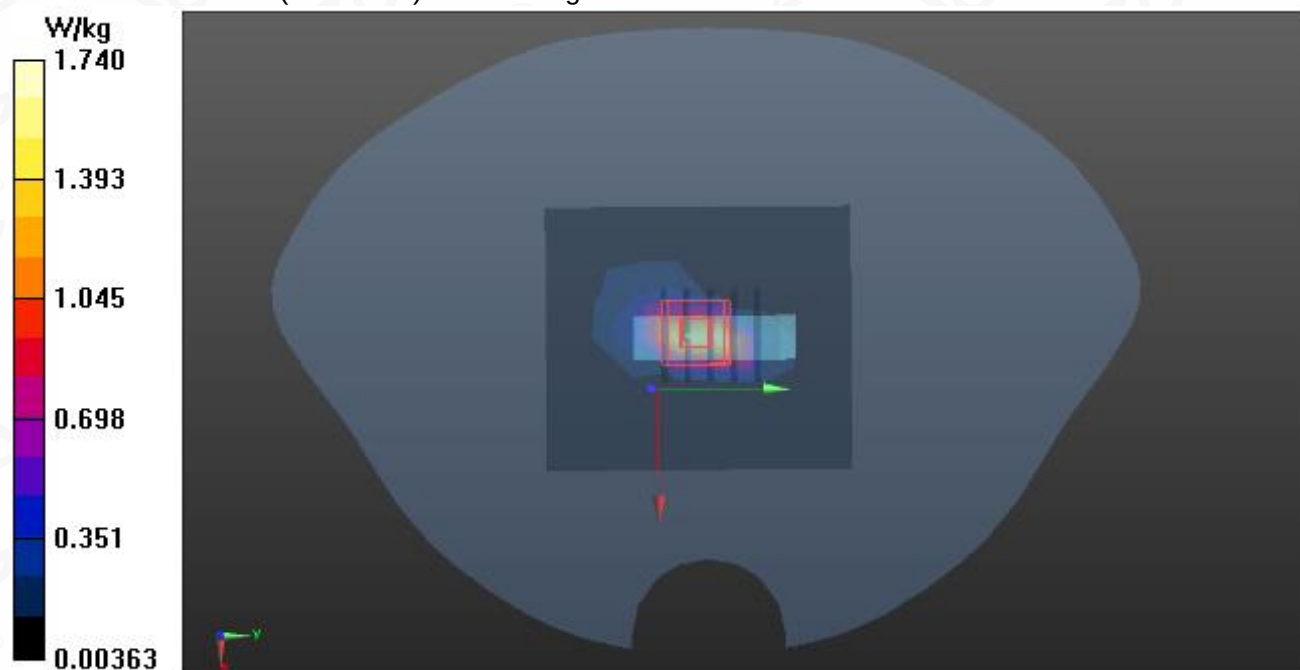
BODY 3/EDGE1-L-REPEATED/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 34.325 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.65 W/kg

SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.463 W/kg

Maximum value of SAR (measured) = 1.74 W/kg



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Test Laboratory: AGC Lab
WCDMA Band IV Mid- Edge 1
DUT: Brama S-C; Type: M1

Date: Nov. 03, 2021

Communication System: UMTS; Communication System Band: BAND IV UTRA/FDD; Duty Cycle: 1:1;
Frequency: 1732.4 MHz; Medium parameters used: $f = 1800$ MHz; $\sigma = 1.35$ mho/m; $\epsilon_r = 40.25$; $\rho = 1000$ kg/m³;
Phantom section: Flat Section
Ambient temperature (°C): 22.0, Liquid temperature (°C): 21.8

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(8.55, 8.55, 8.55); Calibrated: Aug. 27, 2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17, 2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY 3/EDGE 1-REPEATED/Area Scan (7x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.621 W/kg

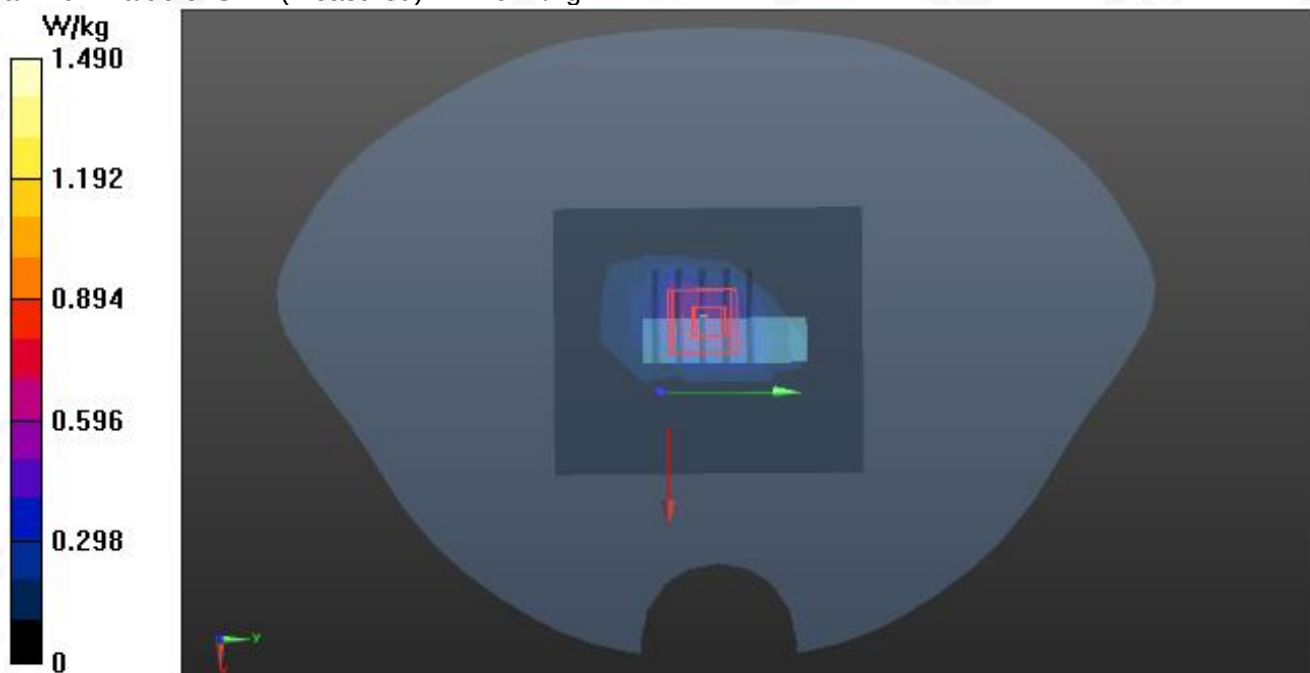
BODY 3/EDGE 1-REPEATED/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 21.898 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.37 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.409 W/kg

Maximum value of SAR (measured) = 1.49 W/kg



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Test Laboratory: AGC Lab
LTE Band 7 Low-Body- Edge 1 (1RB#0)
DUT: Brama S-C; Type: M1

Date: Nov. 01, 2021

Communication System: LTE; Communication System Band: LTE Band 7; Duty Cycle:1:1;
Frequency: 2510MHz; Medium parameters used: $f = 2600$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 39.74$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section
Ambient temperature (°C): 21.8, Liquid temperature (°C): 21.6

DASY Configuration:

- Probe: EX3DV4 – SN:3953; ConvF(7.42, 7.42, 7.42); Calibrated: Aug. 27,2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 SN1398; Calibrated: May 17,2021
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD;
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

BODY 3/EDGE-repeated-1/Area Scan (7x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.70 W/kg

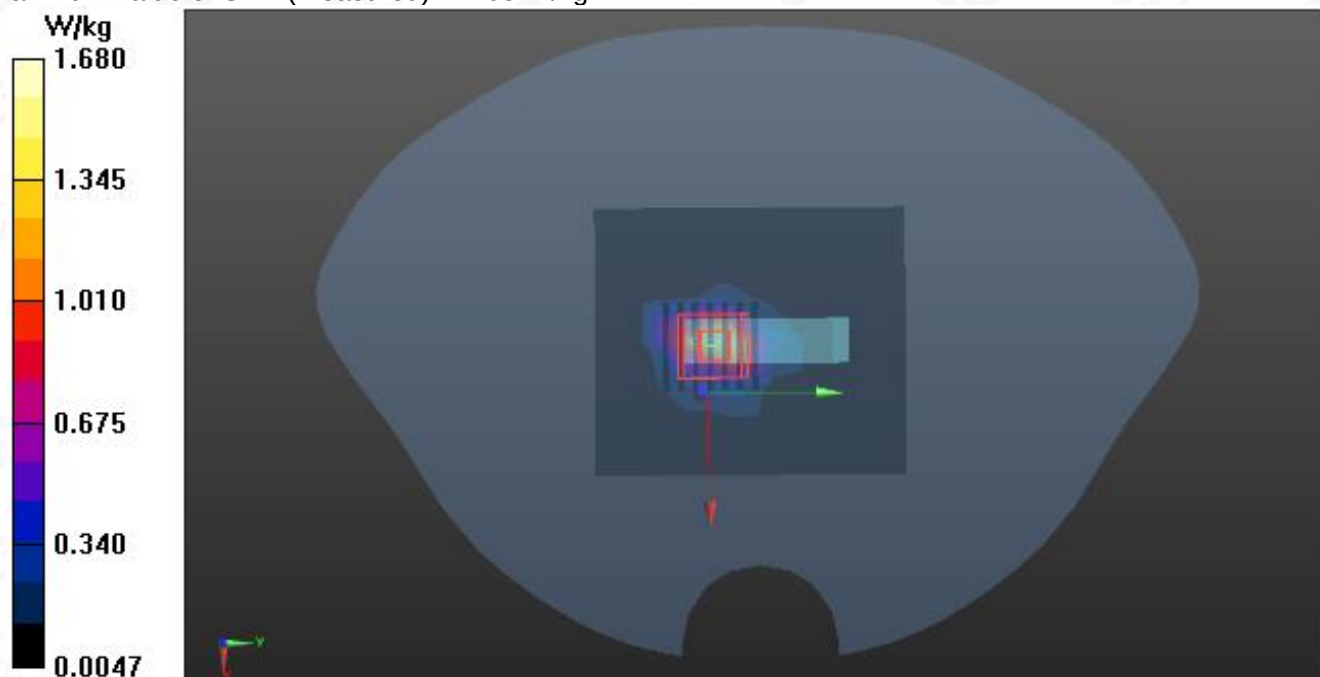
BODY 3/EDGE-repeated-1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 17.787 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 3.01 W/kg

SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.443 W/kg

Maximum value of SAR (measured) = 1.68 W/kg



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APPENDIX C. TEST SETUP PHOTOGRAPHS

Body/Hotspot Back 5mm



Body/Hotspot Front 5mm



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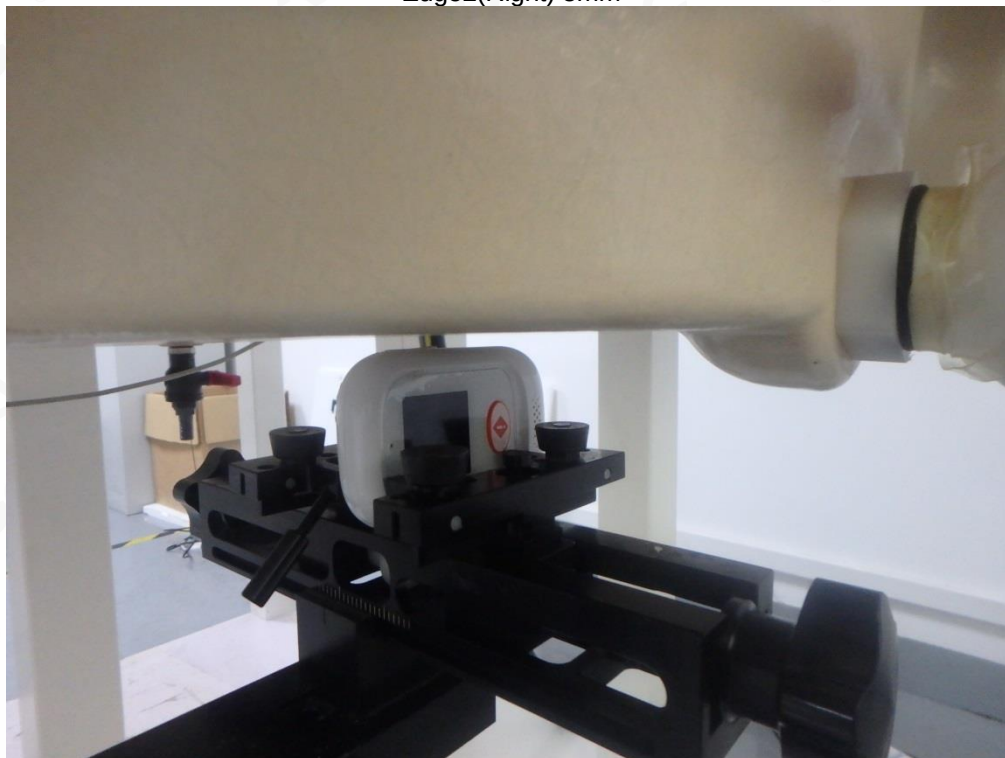
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Edge1(Top) 5mm



Edge2(Right) 5mm



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