

23095	707.5	25RB-High	Front	/	23.10	24	0.138	0.17	0.179	0.22	-0.04
23095	707.5	25RB-High	Rear	/	23.10	24	0.256	0.32	0.334	0.41	0.1
23095	707.5	25RB-High	Left	/	23.10	24	0.144	0.18	0.2	0.25	0.08
23095	707.5	25RB-High	Right	/	23.10	24	0.124	0.15	0.172	0.21	0.01
23095	707.5	25RB-High	Bottom	/	23.10	24	0.035	0.04	0.077	0.09	-0.01
23095	707.5	1RB-Mid	Rear	B2	24.14	25	0.299	0.36	0.398	0.48	0.08

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The LTE mode is QPSK_10MHz.

Table 14.1-16: SAR Values (LTE Band13 - Head)

Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
		Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C										
23230	782	1RB-Mid	Left	Touch	Fig.16	23.95	25	0.174	0.22	0.229	0.29	0.19
23230	782	1RB-Mid	Left	Tilt	/	23.95	25	0.109	0.14	0.137	0.17	0.15
23230	782	1RB-Mid	Right	Touch	/	23.95	25	0.162	0.21	0.208	0.26	-0.03
23230	782	1RB-Mid	Right	Tilt	/	23.95	25	0.086	0.11	0.107	0.14	0.15
23230	782	25RB-High	Left	Touch	/	22.98	24	0.146	0.18	0.193	0.24	-0.18
23230	782	25RB-High	Left	Tilt	/	22.98	24	0.092	0.12	0.116	0.15	0.09
23230	782	25RB-High	Right	Touch	/	22.98	24	0.132	0.17	0.169	0.21	-0.19
23230	782	25RB-High	Right	Tilt	/	22.98	24	0.072	0.09	0.09	0.11	-0.1
23230	782	1RB-Mid	Left	Touch	B2	23.95	25	0.168	0.21	0.218	0.28	0.01

Note1: The LTE mode is QPSK_10MHz.

Table 14.1-17: SAR Values (LTE Band13 - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
Ch.	MHz											
		Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C										
23230	782	1RB-Mid	Front	/	23.95	25	0.095	0.12	0.166	0.21	-0.04	
23230	782	1RB-Mid	Rear	Fig.17	23.95	25	0.175	0.22	0.307	0.39	-0.02	
23230	782	1RB-Mid	Left	/	23.95	25	0.101	0.13	0.189	0.24	0.07	
23230	782	1RB-Mid	Right	/	23.95	25	0.072	0.09	0.132	0.17	0.1	
23230	782	1RB-Mid	Bottom	/	23.95	25	0.028	0.04	0.076	0.10	-0.01	
23230	782	25RB-High	Front	/	22.98	24	0.078	0.10	0.136	0.17	0.13	
23230	782	25RB-High	Rear	/	22.98	24	0.147	0.19	0.258	0.33	0.03	
23230	782	25RB-High	Left	/	22.98	24	0.085	0.11	0.16	0.20	-0.15	
23230	782	25RB-High	Right	/	22.98	24	0.058	0.07	0.107	0.14	0.16	
23230	782	25RB-High	Bottom	/	22.98	24	0.025	0.03	0.067	0.08	0.09	
23230	782	1RB-Mid	Rear	B2	23.95	25	0.165	0.21	0.298	0.38	0.07	

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK_10MHz.

Table 14.1-18: SAR Values (LTE Band25 - Head)

Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C												
26140	1860	1RB-Mid	Left	Touch	/	23.85	24.5	0.131	0.15	0.217	0.25	0.19
26140	1860	1RB-Mid	Left	Tilt	/	23.85	24.5	0.041	0.05	0.067	0.08	-0.12
26140	1860	1RB-Mid	Right	Touch	Fig.18	23.85	24.5	0.177	0.21	0.287	0.33	-0.01
26140	1860	1RB-Mid	Right	Tilt	/	23.85	24.5	0.063	0.07	0.102	0.12	-0.14
26140	1860	50RB-Mid	Left	Touch	/	22.83	23.5	0.099	0.12	0.164	0.19	-0.06
26140	1860	50RB-Mid	Left	Tilt	/	22.83	23.5	0.032	0.04	0.054	0.06	0.15
26140	1860	50RB-Mid	Right	Touch	/	22.83	23.5	0.138	0.16	0.225	0.26	0.1
26140	1860	50RB-Mid	Right	Tilt	/	22.83	23.5	0.042	0.05	0.07	0.08	0.02
26140	1860	1RB-Mid	Right	Touch	B2	23.85	24.5	0.169	0.20	0.278	0.32	0.06

Note1: The LTE mode is QPSK_20MHz.

Table 14.1-19: SAR Values (LTE Band25 - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
26140	1860	1RB-Mid	Front	/	20.91	21.5	0.151	0.17	0.23	0.26	-0.16
26140	1860	1RB-Mid	Rear	Fig.19	20.91	21.5	0.312	0.36	0.578	0.66	0.02
26140	1860	1RB-Mid	Left	/	20.91	21.5	0.048	0.05	0.076	0.09	0.07
26140	1860	1RB-Mid	Right	/	20.91	21.5	0.074	0.08	0.118	0.14	-0.01
26140	1860	1RB-Mid	Bottom	/	20.91	21.5	0.21	0.24	0.372	0.43	-0.16
26140	1860	50RB-Low	Front	/	20.85	21.5	0.144	0.17	0.217	0.25	0.08
26140	1860	50RB-Low	Rear	/	20.85	21.5	0.29	0.34	0.531	0.62	0.06
26140	1860	50RB-Low	Left	/	20.85	21.5	0.045	0.05	0.068	0.08	0.04
26140	1860	50RB-Low	Right	/	20.85	21.5	0.07	0.08	0.109	0.13	-0.13
26140	1860	50RB-Low	Bottom	/	20.85	21.5	0.201	0.23	0.356	0.41	0.11
26140	1860	1RB-Mid	Rear	B2	20.91	21.5	0.297	0.34	0.568	0.65	0.01

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-20: SAR Values (LTE Band25 - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C											
26365	1882.5	1RB-Mid	Front	/	22.74	23.5	0.169	0.20	0.247	0.29	0.04
26365	1882.5	1RB-Mid	Rear	Fig.20	22.74	23.5	0.274	0.33	0.455	0.54	0.13
26365	1882.5	50RB-Low	Front	/	21.70	22.5	0.133	0.16	0.194	0.23	-0.01
26365	1882.5	50RB-Low	Rear	/	21.70	22.5	0.211	0.25	0.349	0.42	-0.08
26365	1882.5	1RB-Mid	Rear	B2	22.74	23.5	0.268	0.32	0.446	0.53	0.05

Note1: The distance between the EUT and the phantom bottom is 15mm.

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-21: SAR Values (LTE Band26 - Head)

Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C												
26775	822.5	1RB-Mid	Left	Touch	Fig.21	24.05	25	0.172	0.21	0.228	0.28	0.05
26775	822.5	1RB-Mid	Left	Tilt	/	24.05	25	0.118	0.15	0.15	0.19	0.03
26775	822.5	1RB-Mid	Right	Touch	/	24.05	25	0.142	0.18	0.18	0.22	-0.09
26775	822.5	1RB-Mid	Right	Tilt	/	24.05	25	0.137	0.17	0.178	0.22	-0.03
26775	822.5	36RB-High	Left	Touch	/	23.15	24	0.143	0.17	0.188	0.23	-0.06
26775	822.5	36RB-High	Left	Tilt	/	23.15	24	0.095	0.12	0.121	0.15	-0.12
26775	822.5	36RB-High	Right	Touch	/	23.15	24	0.117	0.14	0.149	0.18	0.01
26775	822.5	36RB-High	Right	Tilt	/	23.15	24	0.111	0.13	0.144	0.18	-0.19
26775	822.5	1RB-Mid	Left	Touch	B2	24.05	25	0.163	0.20	0.219	0.27	0.01

Note1: The LTE mode is QPSK_15MHz.

Table 14.1-22: SAR Values (LTE Band26 - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C											
26775	822.5	1RB-Mid	Front	/	24.05	25	0.156	0.19	0.201	0.25	0.02
26775	822.5	1RB-Mid	Rear	Fig.22	24.05	25	0.28	0.35	0.367	0.46	0.04
26775	822.5	1RB-Mid	Left	/	24.05	25	0.166	0.21	0.234	0.29	0.06
26775	822.5	1RB-Mid	Right	/	24.05	25	0.108	0.13	0.151	0.19	0.15
26775	822.5	1RB-Mid	Bottom	/	24.05	25	0.067	0.08	0.134	0.17	0.12

26775	822.5	36RB-High	Front	/	23.15	24	0.126	0.15	0.164	0.20	0.08
26775	822.5	36RB-High	Rear	/	23.15	24	0.225	0.27	0.295	0.36	0.03
26775	822.5	36RB-High	Left	/	23.15	24	0.133	0.16	0.185	0.22	-0.15
26775	822.5	36RB-High	Right	/	23.15	24	0.088	0.11	0.122	0.15	-0.13
26775	822.5	36RB-High	Bottom	/	23.15	24	0.056	0.07	0.113	0.14	0.09
26775	822.5	1RB-Mid	Rear	B2	24.05	25	0.271	0.34	0.361	0.45	0.01

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK_15MHz.

Table 14.1-23: SAR Values (LTE Band41 (PC3) - Head)

Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C												
39750	2506	1RB-Mid	Left	Touch	/	23.57	24	0.02	0.02	0.033	0.04	0.16
39750	2506	1RB-Mid	Left	Tilt	/	23.57	24	<0.01	<0.01	<0.01	<0.01	/
39750	2506	1RB-Mid	Right	Touch	Fig.23	23.57	24	0.032	0.04	0.054	0.06	0.04
39750	2506	1RB-Mid	Right	Tilt	/	23.57	24	<0.01	<0.01	<0.01	<0.01	/
39750	2506	50RB-Mid	Left	Touch	/	22.57	23	<0.01	<0.01	<0.01	<0.01	/
39750	2506	50RB-Mid	Left	Tilt	/	22.57	23	<0.01	<0.01	<0.01	<0.01	/
39750	2506	50RB-Mid	Right	Touch	/	22.57	23	0.025	0.03	0.042	0.05	-0.07
39750	2506	50RB-Mid	Right	Tilt	/	22.57	23	<0.01	<0.01	<0.01	<0.01	/
39750	2506	1RB-Mid	Right	Touch	B2	23.57	24	0.029	0.03	0.049	0.05	0.01

Note1: The LTE mode is QPSK_20MHz.

Table 14.1-24: SAR Values (LTE Band41 (PC3) - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C											
39750	2506	1RB-Mid	Front	/	19.57	20	0.078	0.09	0.151	0.17	-0.15
39750	2506	1RB-Mid	Rear	/	19.57	20	0.235	0.26	0.487	0.54	0.05
39750	2506	1RB-Mid	Left	/	19.57	20	<0.01	<0.01	<0.01	<0.01	/
39750	2506	1RB-Mid	Right	/	19.57	20	0.015	0.02	0.035	0.04	-0.06
39750	2506	1RB-Mid	Bottom	Fig.24	19.57	20	0.278	0.31	0.568	0.63	0.03
39750	2506	50RB-Mid	Front	/	19.44	20	0.076	0.09	0.145	0.16	0.05
39750	2506	50RB-Mid	Rear	/	19.44	20	0.233	0.27	0.488	0.56	-0.15
39750	2506	50RB-Mid	Left	/	19.44	20	<0.01	<0.01	<0.01	<0.01	/
39750	2506	50RB-Mid	Right	/	19.44	20	0.019	0.02	0.048	0.05	0.03
39750	2506	50RB-Mid	Bottom	/	19.44	20	0.276	0.31	0.556	0.63	0.14
39750	2506	1RB-Mid	Bottom	B2	19.57	20	0.268	0.30	0.561	0.62	0.11

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-25: SAR Values (LTE Band41 (PC3) - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C											
39750	2506	1RB-Mid	Front	/	20.98	22	0.177	0.22	0.175	0.22	-0.19
39750	2506	1RB-Mid	Rear	Fig.25	20.98	22	0.22	0.28	0.435	0.55	0.07
39750	2506	50RB-Mid	Front	/	19.87	21	0.136	0.18	0.133	0.17	0.02
39750	2506	50RB-Mid	Rear	/	19.87	21	0.339	0.44	0.334	0.43	0.05
39750	2506	1RB-Mid	Rear	B2	20.98	22	0.213	0.27	0.429	0.54	0.03

Note1: The distance between the EUT and the phantom bottom is 15mm.

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-26: SAR Values (LTE Band41 (PC2) - Head)

Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
Ambient Temperature: 22.9 °C Liquid Temperature: 22.5°C												
39750	2506	1RB-Mid	Left	Touch	/	26.76	27	0.031	0.03	0.058	0.06	0.09
39750	2506	1RB-Mid	Left	Tilt	/	26.76	27	<0.01	<0.01	<0.01	<0.01	/
39750	2506	1RB-Mid	Right	Touch	Fig.26	26.76	27	0.046	0.05	0.077	0.08	0.18
39750	2506	1RB-Mid	Right	Tilt	/	26.76	27	<0.01	<0.01	<0.01	<0.01	/
39750	2506	50RB-Mid	Left	Touch	/	25.46	26	<0.01	<0.01	<0.01	<0.01	/
39750	2506	50RB-Mid	Left	Tilt	/	25.46	26	<0.01	<0.01	<0.01	<0.01	/
39750	2506	50RB-Mid	Right	Touch	/	25.46	26	0.041	0.05	0.065	0.07	0.18
39750	2506	50RB-Mid	Right	Tilt	/	25.46	26	<0.01	<0.01	<0.01	<0.01	/
39750	2506	1RB-Mid	Right	Touch	B2	26.76	27	0.037	0.04	0.069	0.07	0.12

Note1: The LTE mode is QPSK_20MHz.

Table 14.1-27: SAR Values (LTE Band41 (PC2) - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5 °C						
39750	2506	1RB-Mid	Front	/	22.56	23	0.102	0.11	0.198	0.22	-0.16
39750	2506	1RB-Mid	Rear	/	22.56	23	0.326	0.36	0.673	0.74	0
39750	2506	1RB-Mid	Left	/	22.56	23	0.017	0.02	0.039	0.04	-0.17
39750	2506	1RB-Mid	Right	/	22.56	23	0.019	0.02	0.037	0.04	-0.05
41490	2680	1RB-Mid	Bottom	/	22.10	23	0.301	0.37	0.672	0.83	-0.09
41055	2636.5	1RB-Mid	Bottom	/	22.26	23	0.309	0.37	0.688	0.82	-0.01
40620	2593	1RB-Mid	Bottom	/	22.27	23	0.326	0.39	0.72	0.85	-0.07
40185	2549.5	1RB-Mid	Bottom	/	22.50	23	0.344	0.39	0.761	0.85	-0.04
39750	2506	1RB-Mid	Bottom	Fig.27	22.56	23	0.382	0.42	0.778	0.86	0.03
39750	2506	50RB-Low	Front	/	22.42	23	0.104	0.12	0.2	0.23	-0.05
39750	2506	50RB-Low	Rear	/	22.42	23	0.315	0.36	0.651	0.74	-0.08
39750	2506	50RB-Low	Left	/	22.42	23	<0.01	<0.01	<0.01	<0.01	-0.19
39750	2506	50RB-Low	Right	/	22.42	23	0.019	0.02	0.035	0.04	0.01
41490	2680	50RB-High	Bottom	/	21.91	23	0.291	0.37	0.646	0.83	0.09
41055	2636.5	50RB-Mid	Bottom	/	22.05	23	0.298	0.37	0.662	0.82	0.08
40620	2593	50RB-Low	Bottom	/	22.11	23	0.312	0.38	0.675	0.83	0.01
40185	2549.5	50RB-Mid	Bottom	/	22.38	23	0.332	0.38	0.737	0.85	-0.05
39750	2506	50RB-Low	Bottom	/	22.42	23	0.369	0.42	0.748	0.85	0.1
39750	2506	100RB	Bottom	/	22.30	23	0.208	0.24	0.568	0.67	-0.02
39750	2506	1RB-Mid	Bottom	B2	22.56	23	0.376	0.42	0.761	0.84	0.05

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-28: SAR Values (LTE Band41 (PC2) - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5 °C						
39750	2506	1RB-Mid	Front	/	24.15	25	0.122	0.15	0.23	0.28	-0.12
39750	2506	1RB-Mid	Rear	Fig.28	24.15	25	0.295	0.36	0.582	0.71	0.13
39750	2506	50RB-Mid	Front	/	22.93	24	0.112	0.14	0.21	0.27	0.18
39750	2506	50RB-Mid	Rear	/	22.93	24	0.277	0.35	0.545	0.70	-0.05
39750	2506	1RB-Mid	Rear	B2	24.15	25	0.287	0.35	0.579	0.70	0.01

Note1: The distance between the EUT and the phantom bottom is 15mm.

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-29: SAR Values (LTE Band41 (PC2) - Limb)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
41490	2680	1RB-Mid	Bottom	/	23.83	25	1.77	2.32	4.34	5.68	0.07
41055	2636.5	1RB-Mid	Bottom	/	23.97	25	1.80	2.28	4.60	5.83	-0.02
40620	2593	1RB-Mid	Bottom	/	24.14	25	2.11	2.57	5.4	6.59	0.09
40185	2549.5	1RB-Mid	Bottom	/	24.00	25	1.85	2.33	4.74	5.97	0.15
39750	2506	1RB-Mid	Bottom	/	24.15	25	2.13	2.59	5.45	6.63	-0.14
39750	2506	100RB	Bottom	/	22.86	24	1.69	2.20	4.44	5.77	-0.03

Note1: The distance between the EUT and the phantom bottom is 0mm.

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-30: SAR Values (LTE Band66 - Head)

Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C												
132572	1770	1RB-Mid	Left	Touch	/	24.43	25	0.197	0.22	0.31	0.35	-0.11
132572	1770	1RB-Mid	Left	Tilt	/	24.43	25	0.068	0.08	0.103	0.12	-0.01
132572	1770	1RB-Mid	Right	Touch	Fig.29	24.43	25	0.236	0.27	0.367	0.42	0.13
132572	1770	1RB-Mid	Right	Tilt	/	24.43	25	0.075	0.09	0.113	0.13	0.18
132572	1770	50RB-Mid	Left	Touch	/	23.32	24	0.145	0.17	0.228	0.27	-0.03
132572	1770	50RB-Mid	Left	Tilt	/	23.32	24	0.05	0.06	0.075	0.09	-0.16
132572	1770	50RB-Mid	Right	Touch	/	23.32	24	0.174	0.20	0.271	0.32	0.03
132572	1770	50RB-Mid	Right	Tilt	/	23.32	24	0.055	0.06	0.084	0.10	0.11
132572	1770	1RB-Mid	Right	Touch	B2	24.43	25	0.226	0.26	0.361	0.41	0.01

Note1: The LTE mode is QPSK_20MHz.

Table 14.1-31: SAR Values (LTE Band66 - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
132572	1770	1RB-Mid	Front	/	21.41	22	0.205	0.23	0.309	0.35	0.02
132572	1770	1RB-Mid	Rear	Fig.30	21.41	22	0.362	0.41	0.649	0.74	0.18
132572	1770	1RB-Mid	Left	/	21.41	22	0.051	0.06	0.076	0.09	-0.01
132572	1770	1RB-Mid	Right	/	21.41	22	0.097	0.11	0.152	0.17	0.1
132572	1770	1RB-Mid	Bottom	/	21.41	22	0.225	0.26	0.387	0.44	0.11
132572	1770	50RB-Mid	Front	/	21.30	22	0.202	0.24	0.3	0.35	0.14
132572	1770	50RB-Mid	Rear	/	21.30	22	0.351	0.41	0.63	0.74	-0.05

132572	1770	50RB-Mid	Left	/	21.30	22	0.051	0.06	0.076	0.09	0.16
132572	1770	50RB-Mid	Right	/	21.30	22	0.094	0.11	0.147	0.17	-0.09
132572	1770	50RB-Mid	Bottom	/	21.30	22	0.221	0.26	0.38	0.45	0.15
132572	1770	1RB-Mid	Rear	B2	21.41	22	0.357	0.41	0.638	0.73	0.11

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-32: SAR Values (LTE Band66 - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C											
132572	1770	1RB-Mid	Front	/	22.99	23.5	0.278	0.31	0.408	0.46	0.17
132572	1770	1RB-Mid	Rear	Fig.31	22.99	23.5	0.389	0.44	0.652	0.73	-0.01
132572	1770	50RB-Mid	Front	/	21.94	22.5	0.211	0.24	0.314	0.36	-0.14
132572	1770	50RB-Mid	Rear	/	21.94	22.5	0.29	0.33	0.487	0.55	0.09
132572	1770	1RB-Mid	Rear	B2	22.99	23.5	0.379	0.43	0.641	0.72	0.15

Note1: The distance between the EUT and the phantom bottom is 15mm

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-33: SAR Values (LTE Band71 - Head)

Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C												
133222	673	1RB-Mid	Left	Touch	Fig.32	24.01	25	0.109	0.14	0.137	0.17	-0.11
133222	673	1RB-Mid	Left	Tilt	/	24.01	25	0.065	0.08	0.08	0.10	0.11
133222	673	1RB-Mid	Right	Touch	/	24.01	25	0.092	0.12	0.115	0.14	0.06
133222	673	1RB-Mid	Right	Tilt	/	24.01	25	0.063	0.08	0.08	0.10	-0.1
133222	673	50RB-High	Left	Touch	/	22.88	24	0.082	0.11	0.103	0.13	-0.09
133222	673	50RB-High	Left	Tilt	/	22.88	24	0.051	0.07	0.064	0.08	0.09
133222	673	50RB-High	Right	Touch	/	22.88	24	0.066	0.09	0.083	0.11	-0.05
133222	673	50RB-High	Right	Tilt	/	22.88	24	0.046	0.06	0.057	0.07	-0.01
133222	673	1RB-Mid	Left	Touch	B2	24.01	25	0.098	0.12	0.129	0.16	0.03

Note1: The LTE mode is QPSK_20MHz.

Table 14.1-34: SAR Values (LTE Band71 - Body)

Frequency		Mode	Test Position	Figure No.	Ambient Temperature: 22.9 °C		Liquid Temperature: 22.5°C		Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz				Conducted Power (dBm)	tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)			
133222	673	1RB-Mid	Front	/	24.01	25	0.108	0.14	0.151	0.19	-0.07
133222	673	1RB-Mid	Rear	Fig.33	24.01	25	0.24	0.30	0.323	0.41	0.02
133222	673	1RB-Mid	Left	/	24.01	25	0.101	0.13	0.15	0.19	0.09
133222	673	1RB-Mid	Right	/	24.01	25	0.093	0.12	0.14	0.18	0.18
133222	673	1RB-Mid	Bottom	/	24.01	25	0.029	0.04	0.052	0.07	-0.13
133222	673	50RB-High	Front	/	22.88	24	0.08	0.10	0.112	0.15	-0.05
133222	673	50RB-High	Rear	/	22.88	24	0.173	0.22	0.243	0.31	0.08
133222	673	50RB-High	Left	/	22.88	24	0.076	0.10	0.113	0.15	-0.05
133222	673	50RB-High	Right	/	22.88	24	0.069	0.09	0.103	0.13	-0.01
133222	673	50RB-High	Bottom	/	22.88	24	0.022	0.03	0.039	0.05	-0.12
133222	673	1RB-Mid	Rear	B2	24.01	25	0.237	0.30	0.315	0.40	0.06

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The LTE mode is QPSK_20MHz.

14.2 SAR results for Standard procedure

There is zoom scan measurement to be added for the highest measured SAR in each exposure configuration/band.

Table 14.2-1: SAR Values (GSM 850 MHz Band - Head)

Frequency		Side	Test Position	Figure No.	Ambient Temperature: 22.9 °C		Liquid Temperature: 22.5°C		Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz				Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)			
190	836.6	Left	Touch	Fig.1	32.33	33.3	0.174	0.22	0.224	0.28	-0.04

Table 14.2-2: SAR Values (GSM 850 MHz Band - Body)

Frequency		Mode (number of timeslots)	Test Position	Figure No.	Ambient Temperature: 22.9 °C		Liquid Temperature: 22.5°C		Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz				Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)			
190	836.6	GPRS(4)	Rear	Fig.2	26.93	27.5	0.31	0.35	0.41	0.47	-0.12

Note: The distance between the EUT and the phantom bottom is 10mm.

Table 14.2-3: SAR Values (GSM 1900 MHz Band - Head)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
810	1909.8	Right	Touch	Fig.3	28.75	29.7	0.098	0.12	0.163	0.20	0.13

Table 14.2-4: SAR Values (GSM 1900 MHz Band - Body)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
Frequency		Mode (number of timeslots)	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
661	1880	GPRS(4)	Rear	Fig.4	21.48	22	0.211	0.24	0.382	0.43	0.11

Note1: The distance between the EUT and the phantom bottom is 10mm

Table 14.2-5: SAR Values (GSM 1900 MHz Band - Body)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
Frequency		Mode (number of timeslots)	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
661	1880	GPRS(4)	Rear	Fig.5	24.39	25	0.193	0.22	0.311	0.36	-0.09

Note1: The distance between the EUT and the phantom bottom is 15mm

Table 14.2-6: SAR Values (WCDMA 1900 MHz Band - Head)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
9262	1852.4	Right	Touch	Fig.6	23.65	24.5	0.184	0.22	0.296	0.36	0.04

Table 14.2-7: SAR Values (WCDMA 1900 MHz Band - Body)

Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
		Ambient Temperature: 22.9 °C				Liquid Temperature: 22.5 °C				
9262	1852.4	Rear	Fig.7	20.74	21.5	0.315	0.38	0.592	0.71	0.17

Note: The distance between the EUT and the phantom bottom is 10mm

Table 14.2-8: SAR Values (WCDMA 1900 MHz Band - Body)

Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
		Ambient Temperature: 22.9 °C				Liquid Temperature: 22.5 °C				
9262	1852.4	Rear	Fig.8	22.80	23.5	0.199	0.23	0.336	0.39	0.02

Note: The distance between the EUT and the phantom bottom is 15mm

Table 14.2-9: SAR Values (WCDMA 1700 MHz Band – Head)

Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (Db)
Ch.	MHz										
		Ambient Temperature: 22.9 °C				Liquid Temperature: 22.5 °C					
1513	1752.6	Right	Touch	Fig.9	24.07	25	0.283	0.35	0.447	0.55	-0.03

Table 14.2-10: SAR Values (WCDMA 1700 MHz Band - Body)

Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
		Ambient Temperature: 22.9 °C				Liquid Temperature: 22.5 °C				
1412	1732.5	Rear	/	20.94	22	0.325	0.41	0.573	0.73	-0.02

Note: The distance between the EUT and the phantom bottom is 10mm

Table 14.2-11: SAR Values (WCDMA 1700 MHz Band - Body)

Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
		Ambient Temperature: 22.9 °C				Liquid Temperature: 22.5 °C				
1513	1752.6	Rear	Fig.11	22.77	23.5	0.191	0.23	0.327	0.39	0.04

Note: The distance between the EUT and the phantom bottom is 15mm

Table 14.2-12: SAR Values (WCDMA 850 MHz Band - Head)

Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
Ch.	MHz											
		Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5 °C					
4183	836.6	Left	Touch	Fig.12	23.93	25	0.256	0.33	0.335	0.43	-0.04	

Table 14.2-13: SAR Values (WCDMA 850 MHz Band - Body)

Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
Ch.	MHz										
		Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5 °C				
4132	826.4	Rear	Fig.13	24.11	25	0.218	0.27	0.397	0.49	-0.17	

Note: The distance between the EUT and the phantom bottom is 10mm.

Table 14.2-14: SAR Values (LTE Band12 - Head)

Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
		Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5 °C					
23095	707.5	1RB-Mid	Left	Tilt	Fig.14	24.14	25	0.14	0.17	0.178	0.22	-0.04

Note1: The LTE mode is QPSK_10MHz.

Table 14.2-15: SAR Values (LTE Band12 - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
Ch.	MHz											
		Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5 °C					
23095	707.5	1RB-Mid	Rear	Fig.15	24.14	25	0.315	0.38	0.411	0.50	-0.11	

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The LTE mode is QPSK_10MHz.

Table 14.2-16: SAR Values (LTE Band13 - Head)

Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C												
23230	782	1RB-Mid	Left	Touch	Fig.16	23.95	25	0.174	0.22	0.229	0.29	0.19

Note1: The LTE mode is QPSK_10MHz.

Table 14.2-17: SAR Values (LTE Band13 - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
23230	782	1RB-Mid	Rear	Fig.17	23.95	25	0.175	0.22	0.307	0.39	-0.02

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK_10MHz.

Table 14.2-18: SAR Values (LTE Band25 - Head)

Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C												
26140	1860	1RB-Mid	Right	Touch	Fig.18	23.85	24.5	0.177	0.21	0.287	0.33	-0.01

Note1: The LTE mode is QPSK_20MHz.

Table 14.2-19: SAR Values (LTE Band25 - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
26140	1860	1RB-Mid	Rear	Fig.19	20.91	21.5	0.312	0.36	0.578	0.66	0.02

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-20: SAR Values (LTE Band25 - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
26365	1882.5	1RB-Mid	Rear	Fig.20	22.74	23.5	0.274	0.33	0.455	0.54	0.13

Note1: The distance between the EUT and the phantom bottom is 15mm.

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-21: SAR Values (LTE Band26 - Head)

Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
26775	822.5	1RB-Mid	Left	Touch	Fig.21	24.05	25	0.172	0.21	0.228	0.28	0.05

Note1: The LTE mode is QPSK_15MHz.

Table 14.2-22: SAR Values (LTE Band26 - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
26775	822.5	1RB-Mid	Rear	Fig.22	24.05	25	0.28	0.35	0.367	0.46	0.04

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK_15MHz.

Table 14.2-23: SAR Values (LTE Band41 (PC3) - Head)

Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
39750	2506	1RB-Mid	Right	Touch	Fig.23	23.57	24	0.032	0.04	0.054	0.06	0.04

Note1: The LTE mode is QPSK_20MHz.

Table 14.2-24: SAR Values (LTE Band41 (PC3) - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
Ch.	MHz											
		Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5°C					
39750	2506	1RB-Mid	Bottom	Fig.24	19.57	20	0.278	0.31	0.568	0.63	0.03	

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-25: SAR Values (LTE Band41 (PC3) - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
Ch.	MHz											
		Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5°C					
39750	2506	1RB-Mid	Rear	Fig.25	20.98	22	0.22	0.28	0.435	0.55	0.07	

Note1: The distance between the EUT and the phantom bottom is 15mm.

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-26: SAR Values (LTE Band41 (PC2) - Head)

Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
		Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5°C					
39750	2506	1RB-Mid	Right	Touch	Fig.26	26.76	27	0.046	0.05	0.077	0.08	0.18

Note1: The LTE mode is QPSK_20MHz.

Table 14.2-27: SAR Values (LTE Band41 (PC2) - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
Ch.	MHz											
		Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5°C					
39750	2506	1RB-Mid	Bottom	Fig.27	22.56	23	0.382	0.42	0.778	0.86	0.03	

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-28: SAR Values (LTE Band41 (PC2) - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
Ch.	MHz											
		Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5°C					
39750	2506	1RB-Mid	Rear	Fig.28	24.15	25	0.295	0.36	0.582	0.71	0.13	

Note1: The distance between the EUT and the phantom bottom is 15mm.

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-29: SAR Values (LTE Band41 (PC2) - Limb)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
Ch.	MHz											
		Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5°C					
39750	2506	1RB-Mid	Bottom		24.15	25	2.13	2.59	5.45	6.63	-0.14	

Note1: The distance between the EUT and the phantom bottom is 0mm.

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-30: SAR Values (LTE Band66 - Head)

Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
		Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5°C					
132572	1770	1RB-Mid	Right	Touch	Fig.29	24.43	25	0.236	0.27	0.367	0.42	0.13

Note1: The LTE mode is QPSK_20MHz.

Table 14.2-31: SAR Values (LTE Band66 - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
Ch.	MHz											
		Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5°C					
132572	1770	1RB-Mid	Rear	Fig.30	21.41	22	0.362	0.41	0.649	0.74	0.18	

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-32: SAR Values (LTE Band66 - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)	
Ch.	MHz											
		Ambient Temperature: 22.9 °C					Liquid Temperature: 22.5°C					
132572	1770	1RB-Mid	Rear	Fig.31	22.99	23.5	0.389	0.44	0.652	0.73	-0.01	

Note1: The distance between the EUT and the phantom bottom is 15mm

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-33: SAR Values (LTE Band71 - Head)

Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
133222	673	1RB-Mid	Left	Touch	Fig.32	24.01	25	0.109	0.14	0.137	0.17	-0.11

Note1: The LTE mode is QPSK_20MHz.

Table 14.2-34: SAR Values (LTE Band71 - Body)

Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
133222	673	1RB-Mid	Rear	Fig.33	24.01	25	0.24	0.30	0.323	0.41	0.02

Note1: The distance between the EUT and the phantom bottom is 10mm

Note2: The LTE mode is QPSK_20MHz.

14.3 WLAN Evaluation for 2.4G

According to the KDB248227 D01, SAR is measured for 2.4GHz 802.11b DSSS using the initial test position procedure.

Head Evaluation

Table 14.3-1: SAR Values (WLAN - Head)– 802.11b (Fast SAR)

Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
2412	1	Left	Touch	/	17.27	18	0.149	0.18	0.272	0.32	-0.12
2412	1	Left	Tilt	/	17.27	18	0.141	0.17	0.281	0.33	-0.13
2412	1	Right	Touch	/	17.27	18	0.331	0.39	0.656	0.78	-0.03
2412	1	Right	Tilt	/	17.27	18	0.208	0.25	0.409	0.48	-0.03

As shown above table, the initial test position for head is “Right Touch”. So the head SAR of WLAN is presented as below:

Table 14.3-2: SAR Values (WLAN - Head)– 802.11b (Full SAR)

Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										

2412	1	Right	Touch	Fig.34	17.27	18	0.303	0.36	0.619	0.73	-0.03
2412	1	Right	Tilt	/	17.27	18	0.189	0.22	0.385	0.46	-0.03
2412	1	Right	Touch	B2	17.27	18	0.301	0.36	0.611	0.72	0.01

Note1: When the reported SAR of the initial test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position using subsequent highest estimated 1-g SAR conditions determined by area scans, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg.

Note2: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit. The scaled reported SAR is presented as below.

Table 14.3-3: SAR Values (WLAN - Head) – 802.11b (Scaled Reported SAR)

Frequency		Side	Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
Ambient Temperature: 22.9 °C	Liquid Temperature: 22.5 °C						
MHz	Ch.						
2412	1	Right	Touch	100%	100%	0.73	0.73

SAR is not required for OFDM because the 802.11b adjusted SAR ≤ 1.2 W/kg.

Body Evaluation

Table 14.3-4: SAR Values (WLAN - Body)– 802.11b (Fast SAR)

Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Power Drift (dB)
Ambient Temperature: 22.9 °C	Liquid Temperature: 22.5 °C									
MHz	Ch.									
2412	1	Front	/	20.02	21	0.143	0.18	0.261	0.33	0.16
2412	1	Rear	/	20.02	21	0.265	0.33	0.509	0.64	-0.03
2412	1	Left	/	20.02	21	0.126	0.16	0.255	0.32	-0.07
2412	1	Top	/	20.02	21	0.200	0.25	0.373	0.47	-0.03

As shown above table, the initial test position for body is “Rear”. So the body SAR of WLAN is presented as below:

Table 14.3-5: SAR Values (WLAN - Body)– 802.11b (Full SAR)

Frequency		Test Position	Figure No.	Conduct ed Power (dBm)	Max. tune-up Power (dBm)	Measure d SAR(10 g) (W/kg)	Reporte d SAR(10 g)(W/kg)	Measur ed SAR(1g) (W/kg)	Reporte d SAR(1g) (W/kg)	Powe r Drift (dB)
Ambient Temperature: 22.9 °C	Liquid Temperature: 22.5 °C									
MHz	Ch.									
2412	1	Rear	Fig.35	20.02	21	0.251	0.31	0.488	0.61	-0.03
2412	1	Top	/	20.02	21	0.201	0.25	0.367	0.46	-0.03
2412	1	Rear	B2	20.02	21	0.251	0.31	0.461	0.58	0.11

Note1: When the reported SAR of the initial test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position using subsequent highest estimated 1-g SAR conditions determined by area scans, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg.

Note2: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit. The scaled reported SAR is presented as below.

Table 14.3-6: SAR Values (WLAN - Body) – 802.11b (Scaled Reported SAR)

Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
MHz	Ch.					
2412	1	Rear	100%	100%	0.61	0.61

SAR is not required for OFDM because the 802.11b adjusted SAR ≤ 1.2 W/kg.

Picture 14.1-b Duty factor plot

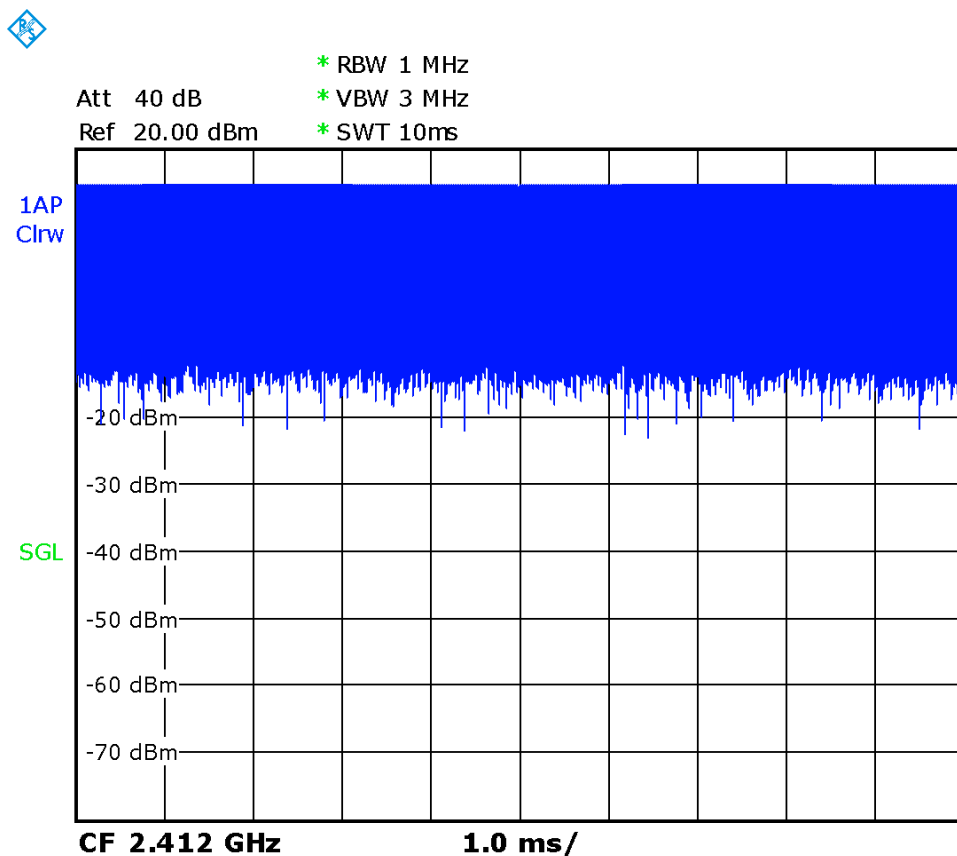


Table 14.3-7: SAR Values (WLAN - Body)– 802.11b (Limb SAR)

Frequency		Ambient Temperature: 22.9 °C				Liquid Temperature: 22.5 °C				
MHz	Ch.	Test Position	Figure No.	Conduct ed Power (dBm)	Max. tune-up Power (dBm)	Measure d SAR(10 g) (W/kg)	Reporte d SAR(10 g)(W/kg)	Measur ed SAR(1g) (W/kg)	Reporte d SAR(1g) (W/kg)	Powe r Drift (dB)
2412	1	Bottom	/	20.02	21	0.052	0.07	0.124	0.16	-0.06

15 Measurement Uncertainty

15.1 Measurement Uncertainty for Normal SAR Tests (300MHz~3GHz)

No.	Error Description	Type	Uncertainty value	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	Degree of freedom
Measurement system										
1	Probe calibration	B	6.0	N	1	1	1	6.0	6.0	∞
2	Isotropy	B	4.7	R	$\sqrt{3}$	0.7	0.7	1.9	1.9	∞
3	Boundary effect	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
4	Linearity	B	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞
5	Detection limit	B	1.0	N	1	1	1	0.6	0.6	∞
6	Readout electronics	B	0.3	R	$\sqrt{3}$	1	1	0.3	0.3	∞
7	Response time	B	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
8	Integration time	B	2.6	R	$\sqrt{3}$	1	1	1.5	1.5	∞
9	RF ambient conditions-noise	B	0	R	$\sqrt{3}$	1	1	0	0	∞
10	RF ambient conditions-reflection	B	0	R	$\sqrt{3}$	1	1	0	0	∞
11	Probe positioned mech. restrictions	B	0.4	R	$\sqrt{3}$	1	1	0.2	0.2	∞
12	Probe positioning with respect to phantom shell	B	2.9	R	$\sqrt{3}$	1	1	1.7	1.7	∞
13	Post-processing	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
Test sample related										
14	Test sample positioning	A	3.3	N	1	1	1	3.3	3.3	71
15	Device holder uncertainty	A	3.4	N	1	1	1	3.4	3.4	5
16	Drift of output power	B	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
Phantom and set-up										
17	Phantom uncertainty	B	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
18	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞
19	Liquid conductivity (meas.)	A	2.06	N	1	0.64	0.43	1.32	0.89	43
20	Liquid permittivity (target)	B	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞
21	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	1.0	0.8	521

Combined standard uncertainty	$u_c = \sqrt{\sum_{i=1}^{21} c_i^2 u_i^2}$							9.55	9.43	257
Expanded uncertainty (confidence interval of 95 %)	$u_e = 2u_c$							19.1	18.9	

15.2 Measurement Uncertainty for Normal SAR Tests (3~6GHz)

No.	Error Description	Type	Uncertainty value	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	Degree of freedom
Measurement system										
1	Probe calibration	B	6.55	N	1	1	1	6.55	6.55	∞
2	Isotropy	B	4.7	R	$\sqrt{3}$	0.7	0.7	1.9	1.9	∞
3	Boundary effect	B	2.0	R	$\sqrt{3}$	1	1	1.2	1.2	∞
4	Linearity	B	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞
5	Detection limit	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
6	Readout electronics	B	0.3	R	$\sqrt{3}$	1	1	0.3	0.3	∞
7	Response time	B	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
8	Integration time	B	2.6	R	$\sqrt{3}$	1	1	1.5	1.5	∞
9	RF ambient conditions-noise	B	0	R	$\sqrt{3}$	1	1	0	0	∞
10	RFambient conditions-reflection	B	0	R	$\sqrt{3}$	1	1	0	0	∞
11	Probe positioned mech. restrictions	B	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
12	Probe positioning with respect to phantom shell	B	6.7	R	$\sqrt{3}$	1	1	3.9	3.9	∞
13	Post-processing	B	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
Test sample related										
14	Test sample positioning	A	3.3	N	1	1	1	3.3	3.3	71
15	Device holder uncertainty	A	3.4	N	1	1	1	3.4	3.4	5
16	Drift of output power	B	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
Phantom and set-up										
17	Phantom uncertainty	B	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
18	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞
19	Liquid conductivity (meas.)	A	2.06	N	1	0.64	0.43	1.32	0.89	43
20	Liquid permittivity (target)	B	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞

21	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	1.0	0.8	521
Combined standard uncertainty		$u_c = \sqrt{\sum_{i=1}^{21} c_i^2 u_i^2}$						10.7	10.6	257
Expanded uncertainty (confidence interval of 95 %)		$u_e = 2u_c$						21.4	21.1	

15.3 Measurement Uncertainty for Fast SAR Tests (300MHz~3GHz)

No.	Error Description	Type	Uncertainty value	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	Degree of freedom
Measurement system										
1	Probe calibration	B	6.0	N	1	1	1	6.0	6.0	∞
2	Isotropy	B	4.7	R	$\sqrt{3}$	0.7	0.7	1.9	1.9	∞
3	Boundary effect	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
4	Linearity	B	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞
5	Detection limit	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
6	Readout electronics	B	0.3	R	$\sqrt{3}$	1	1	0.3	0.3	∞
7	Response time	B	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
8	Integration time	B	2.6	R	$\sqrt{3}$	1	1	1.5	1.5	∞
9	RF ambient conditions-noise	B	0	R	$\sqrt{3}$	1	1	0	0	∞
10	RFambient conditions-reflection	B	0	R	$\sqrt{3}$	1	1	0	0	∞
11	Probe positioned mech. Restrictions	B	0.4	R	$\sqrt{3}$	1	1	0.2	0.2	∞
12	Probe positioning with respect to phantom shell	B	2.9	R	$\sqrt{3}$	1	1	1.7	1.7	∞
13	Post-processing	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
14	Fast SAR z-Approximation	B	7.0	R	$\sqrt{3}$	1	1	4.0	4.0	∞
Test sample related										
15	Test sample positioning	A	3.3	N	1	1	1	3.3	3.3	71
16	Device holder uncertainty	A	3.4	N	1	1	1	3.4	3.4	5
17	Drift of output power	B	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
Phantom and set-up										
18	Phantom uncertainty	B	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
19	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞

20	Liquid conductivity (meas.)	A	2.06	N	1	0.64	0.43	1.32	0.89	43
21	Liquid permittivity (target)	B	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞
22	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	1.0	0.8	521
Combined standard uncertainty		$u_c = \sqrt{\sum_{i=1}^{22} c_i^2 u_i^2}$						10.4	10.3	257
Expanded uncertainty (confidence interval of 95 %)		$u_e = 2u_c$						20.8	20.6	

15.4 Measurement Uncertainty for Fast SAR Tests (3~6GHz)

No.	Error Description	Type	Uncertainty value	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	Degree of freedom
Measurement system										
1	Probe calibration	B	6.55	N	1	1	1	6.55	6.55	∞
2	Isotropy	B	4.7	R	$\sqrt{3}$	0.7	0.7	1.9	1.9	∞
3	Boundary effect	B	2.0	R	$\sqrt{3}$	1	1	1.2	1.2	∞
4	Linearity	B	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞
5	Detection limit	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
6	Readout electronics	B	0.3	R	$\sqrt{3}$	1	1	0.3	0.3	∞
7	Response time	B	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
8	Integration time	B	2.6	R	$\sqrt{3}$	1	1	1.5	1.5	∞
9	RF ambient conditions-noise	B	0	R	$\sqrt{3}$	1	1	0	0	∞
10	RFambient conditions-reflection	B	0	R	$\sqrt{3}$	1	1	0	0	∞
11	Probe positioned mech. Restrictions	B	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
12	Probe positioning with respect to phantom shell	B	6.7	R	$\sqrt{3}$	1	1	3.9	3.9	∞
13	Post-processing	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
14	Fast SAR z-Approximation	B	14.0	R	$\sqrt{3}$	1	1	8.1	8.1	∞
Test sample related										
15	Test sample positioning	A	3.3	N	1	1	1	3.3	3.3	71
16	Device holder uncertainty	A	3.4	N	1	1	1	3.4	3.4	5
17	Drift of output power	B	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞

Phantom and set-up										
18	Phantom uncertainty	B	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
19	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞
20	Liquid conductivity (meas.)	A	2.06	N	1	0.64	0.43	1.32	0.89	43
21	Liquid permittivity (target)	B	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞
22	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	1.0	0.8	521
Combined standard uncertainty		$u_c = \sqrt{\sum_{i=1}^{22} c_i^2 u_i^2}$						13.5	13.4	257
Expanded uncertainty (confidence interval of 95 %)		$u_e = 2u_c$						27.0	26.8	

16 MAIN TEST INSTRUMENTS

Table 16.1: List of Main Instruments

No.	Name	Type	Serial Number	Calibration Date	Valid Period
01	Network analyzer	N5239A	MY46110673	January 24, 2020	One year
02	Power meter	NRP2	101919	May 12, 2020	One year
03	Power sensor	NRP-Z91	101547		
04	Signal Generator	E4438C	MY49070393	January 4, 2020	One Year
05	Amplifier	60S1G4	0331848	No Calibration Requested	
06	BTS	CMW500	129942	February 10, 2020	One year
07	E-field Probe	SPEAG EX3DV4	3617	Jan 30, 2020	One year
08	DAE	SPEAG DAE4	777	January 8, 2020	One year
09	Dipole Validation Kit	SPEAG D750V3	1017	July 24,2020	One year
10	Dipole Validation Kit	SPEAG D835V2	4d069	July 24,,2020	One year
11	Dipole Validation Kit	SPEAG D1750V2	1003	July 24, 2020	One year
12	Dipole Validation Kit	SPEAG D1900V2	5d101	July 28,2020	One year
13	Dipole Validation Kit	SPEAG D2450V2	853	July 21,2020	One year

END OF REPORT BODY

ANNEX A Graph Results

GSM850_CH190 Left Cheek

Date: 12/11/2020

Electronics: DAE4 Sn777

Medium: head 835 MHz

Medium parameters used: $f = 836.6$; $\sigma = 0.886$ mho/m; $\epsilon_r = 41.45$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: GSM850 836.6 Duty Cycle: 1:8.3

Probe: EX3DV4 – SN3617 ConvF(9.66,9.66,9.66)

Area Scan (71x121x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.26 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.704 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.291 W/kg

SAR(1 g) = 0.224 W/kg; SAR(10 g) = 0.174 W/kg

Maximum value of SAR (measured) = 0.266 W/kg

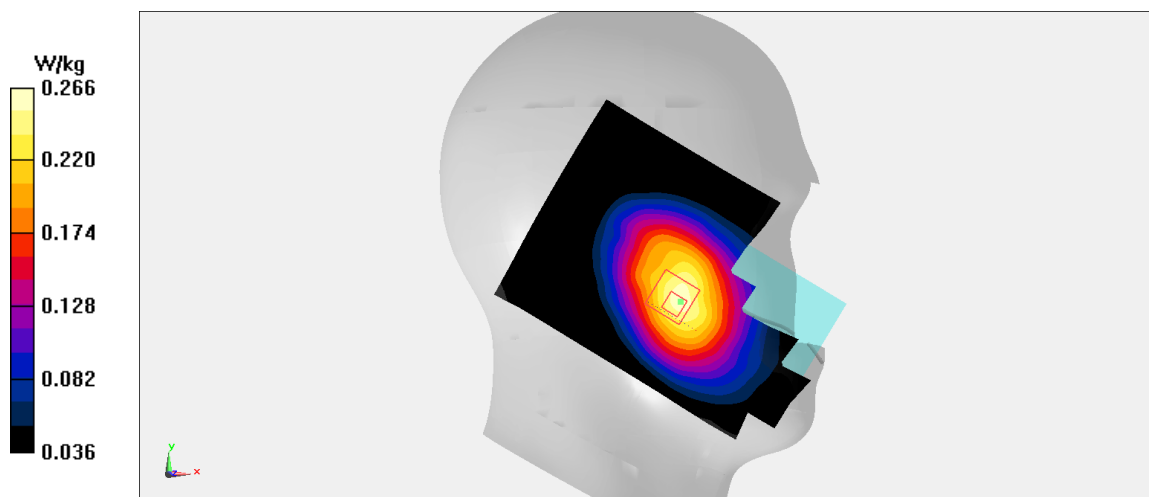


Fig A.1

GSM850_CH190 Rear GPRS 10mm

Date: 12/11/2020

Electronics: DAE4 Sn777

Medium: body 835 MHz

Medium parameters used: $f = 836.6$; $\sigma = 0.886$ mho/m; $\epsilon_r = 41.45$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: GSM850 836.6 Duty Cycle: 1:2

Probe: EX3DV4 – SN3617 ConvF(9.66,9.66,9.66)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.742 W/kg

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

Reference Value = 21.44 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.543 W/kg

SAR(1 g) = 0.41 W/kg; SAR(10 g) = 0.31 W/kg

Maximum value of SAR (measured) = 0.497 W/kg

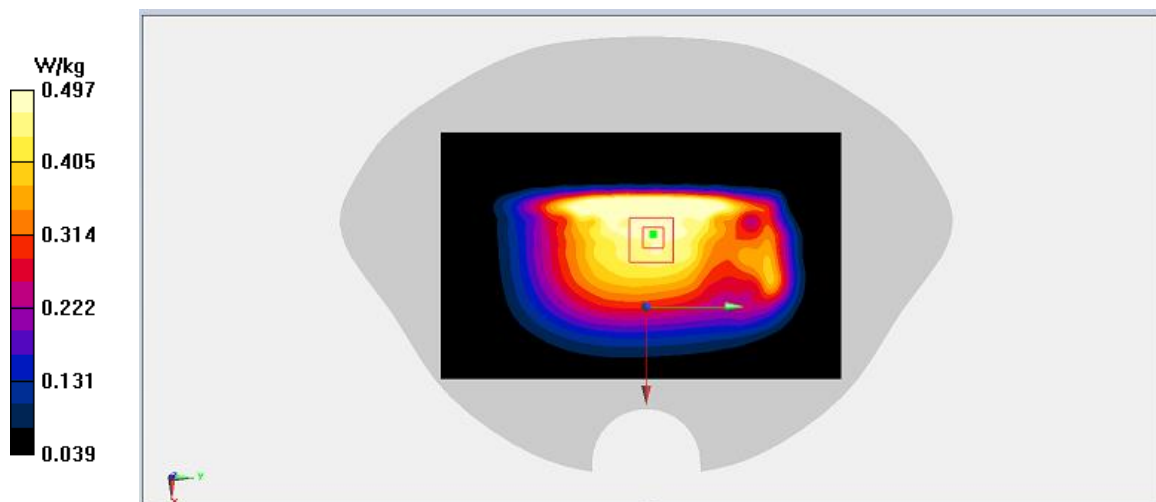


Fig A.2

PCS1900_CH810 Right Cheek

Date: 12/13/2020

Electronics: DAE4 Sn777

Medium: head 1900 MHz

Medium parameters used: $f = 1909.8$; $\sigma = 1.392$ mho/m; $\epsilon_r = 39.32$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: PCS1900 1909.8 Duty Cycle: 1:8.3

Probe: EX3DV4 – SN3617 ConvF(8.14,8.14,8.14)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.238 W/kg

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

Reference Value = 4.409 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.291 W/kg

SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.098 W/kg

Maximum value of SAR (measured) = 0.227 W/kg

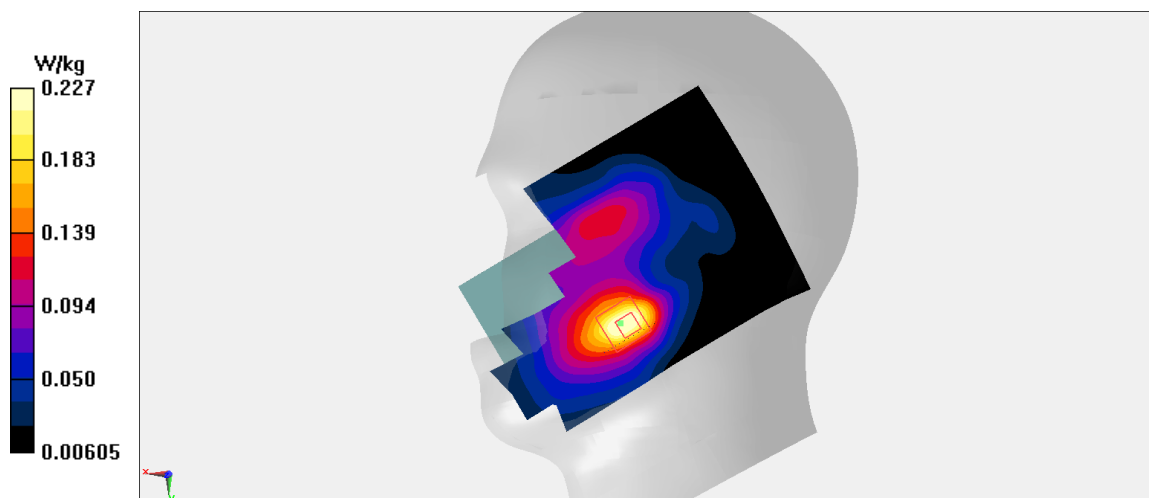


Fig A.3

PCS1900_CH661 Rear GPRS 10mm

Date: 12/13/2020

Electronics: DAE4 Sn777

Medium: body 1900 MHz

Medium parameters used: $f = 1880$; $\sigma = 1.363$ mho/m; $\epsilon_r = 39.35$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: PCS1900 1880 Duty Cycle: 1:2

Probe: EX3DV4 – SN3617 ConvF(8.14,8.14,8.14)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.564 W/kg

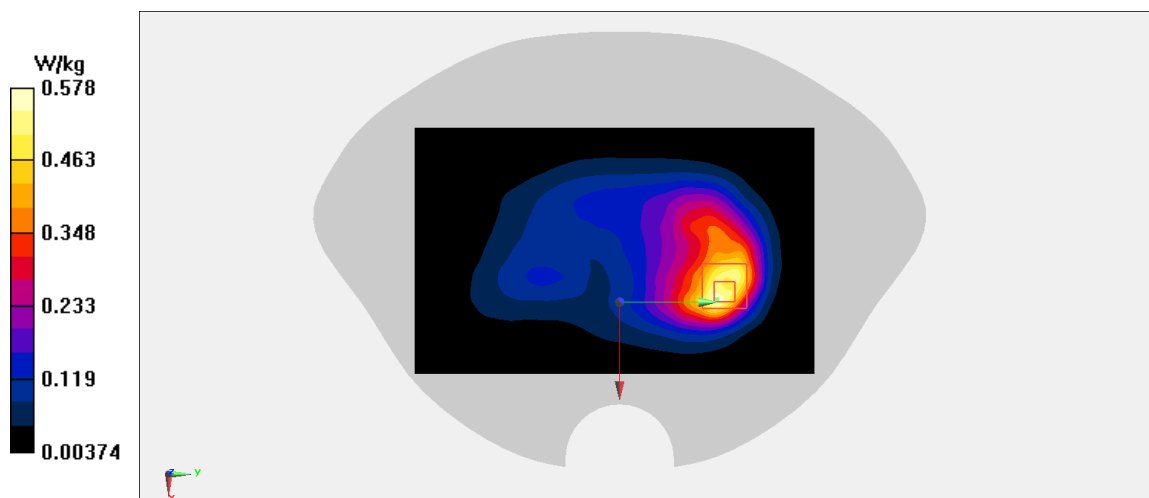
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.747 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.721 W/kg

SAR(1 g) = 0.382 W/kg; SAR(10 g) = 0.211 W/kg

Maximum value of SAR (measured) = 0.578 W/kg

**Fig A.4**

PCS1900_CH661 Rear GPRS 15mm

Date: 12/13/2020

Electronics: DAE4 Sn777

Medium: body 1900 MHz

Medium parameters used: $f = 1880$; $\sigma = 1.363$ mho/m; $\epsilon_r = 39.35$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: PCS1900 1880 Duty Cycle: 1:2

Probe: EX3DV4 – SN3617 ConvF(8.14,8.14,8.14)

Area Scan (81x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.487 W/kg

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

Reference Value = 8.582 V/m; Power Drift = -0.39 dB

Peak SAR (extrapolated) = 0.536 W/kg

SAR(1 g) = 0.311 W/kg; SAR(10 g) = 0.193 W/kg

Maximum value of SAR (measured) = 0.444 W/kg

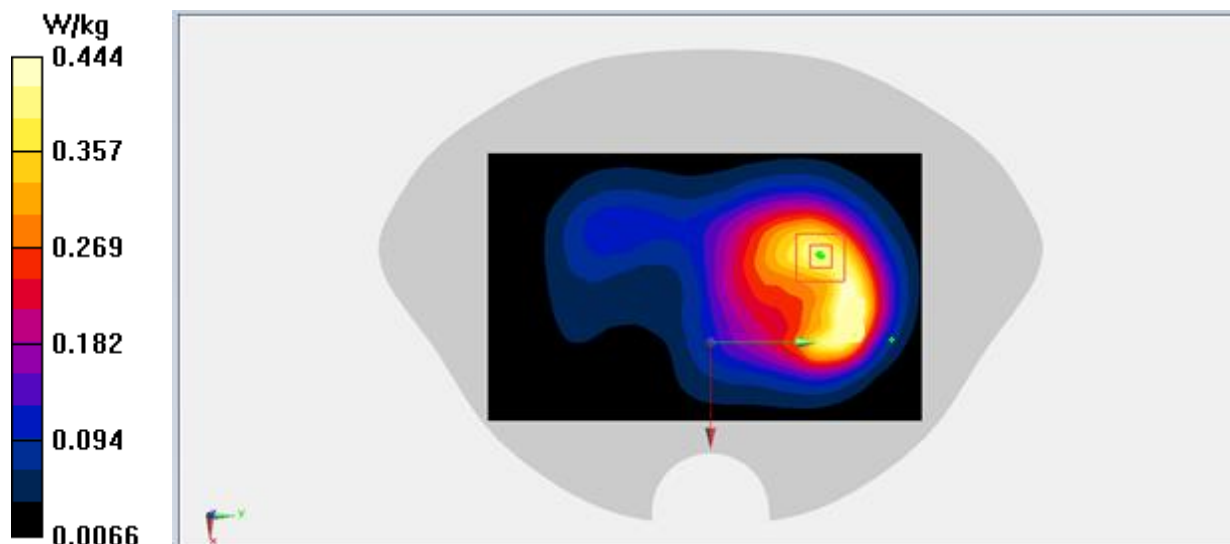


Fig A.5

WCDMA1900-BII_CH9262 Right Cheek

Date: 12/13/2020

Electronics: DAE4 Sn777

Medium: head 1900 MHz

Medium parameters used: $f = 1852.4$; $\sigma = 1.336$ mho/m; $\epsilon_r = 39.39$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: WCDMA1900-BII 1852.4 Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(8.14,8.14,8.14)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.441 W/kg

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

Reference Value = 5.578 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.49 W/kg

SAR(1 g) = 0.296 W/kg; SAR(10 g) = 0.184 W/kg

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

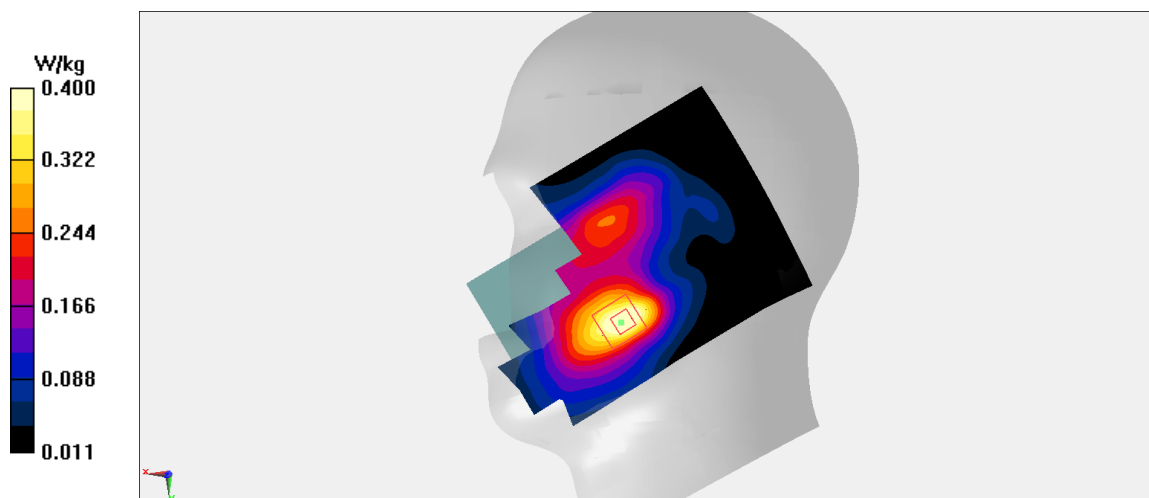


Fig A.6

WCDMA1900-BII_CH9262 Rear 10mm

Date: 12/13/2020

Electronics: DAE4 Sn777

Medium: body 1900 MHz

Medium parameters used: $f = 1852.4$; $\sigma = 1.336$ mho/m; $\epsilon_r = 39.39$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: WCDMA1900-BII 1852.4 Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(8.14,8.14,8.14)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.901 W/kg

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

Reference Value = 8.266 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.592 W/kg; SAR(10 g) = 0.315 W/kg

Maximum value of SAR (measured) = 0.929 W/kg

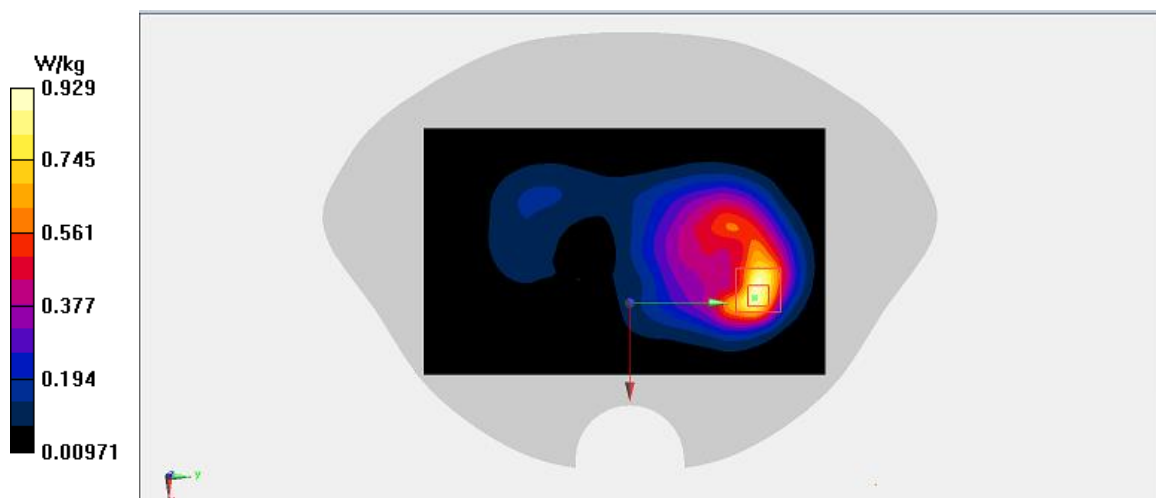


Fig A.7

WCDMA1900-BII_CH9262 Rear 15mm

Date: 12/13/2020

Electronics: DAE4 Sn777

Medium: body 1900 MHz

Medium parameters used: $f = 1852.4$; $\sigma = 1.336$ mho/m; $\epsilon_r = 39.39$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: WCDMA1900-BII 1852.4 Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(8.14,8.14,8.14)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.495 W/kg

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

dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.508 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.586 W/kg

SAR(1 g) = 0.336 W/kg; SAR(10 g) = 0.199 W/kg

Maximum value of SAR (measured) = 0.486 W/kg

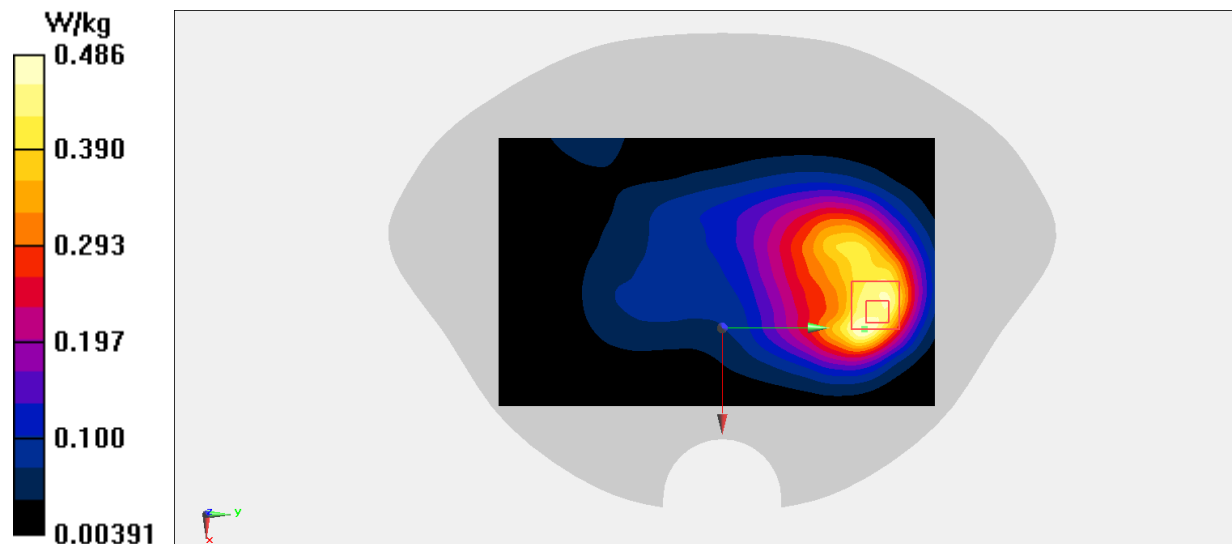


Fig A.8

WCDMA1700-BIV_CH1513 Right Cheek

Date: 12/12/2020

Electronics: DAE4 Sn777

Medium: head 1750 MHz

Medium parameters used: $f = 1752.6$; $\sigma = 1.377$ mho/m; $\epsilon_r = 39.44$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: WCDMA1700-BIV 1752.6 Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(8.41,8.41,8.41)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.614 W/kg

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

Reference Value = 7.574 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.687 W/kg

SAR(1 g) = 0.447 W/kg; SAR(10 g) = 0.283 W/kg

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

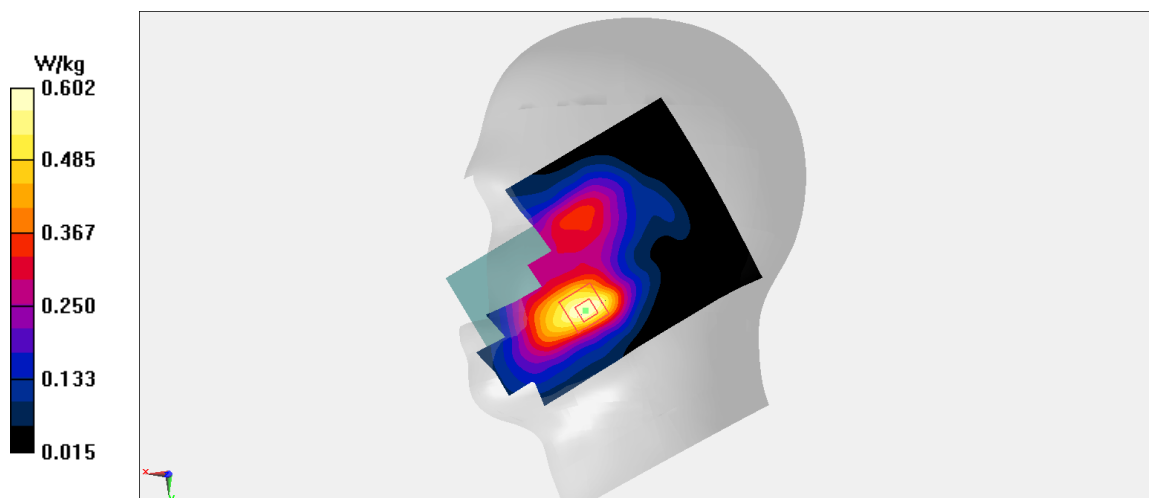


Fig A.9

WCDMA1700-BIV_CH1412 Rear 10mm

Date: 12/12/2020

Electronics: DAE4 Sn777

Medium: body 1750 MHz

Medium parameters used: $f = 1732.5$; $\sigma = 1.357$ mho/m; $\epsilon_r = 39.46$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: WCDMA1700-BIV 1732.5 Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(8.41,8.41,8.41)

Area Scan (71x121x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.945 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.303 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.573 W/kg; SAR(10 g) = 0.325 W/kg

Maximum value of SAR (measured) = 0.868 W/kg

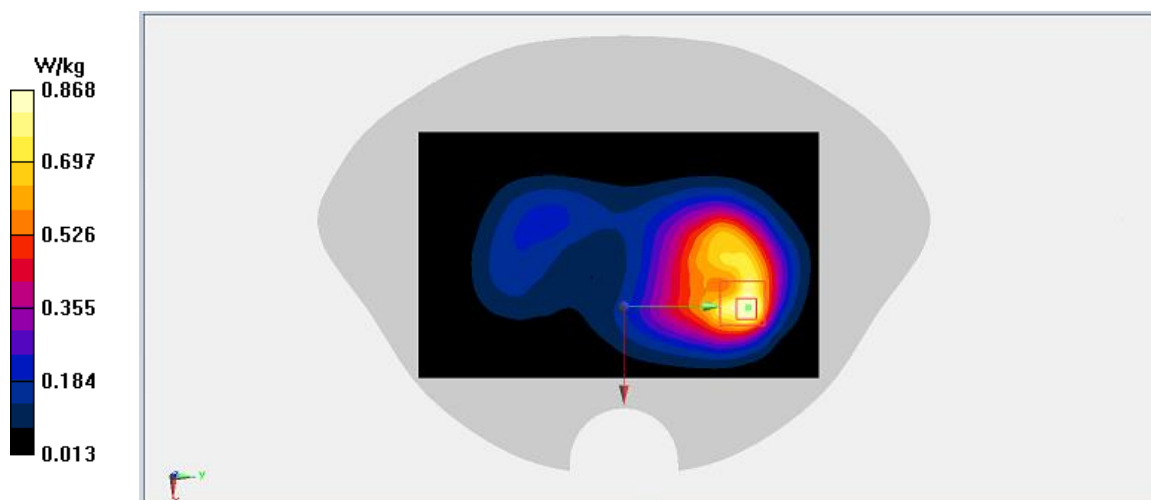


Fig A.10

WCDMA1700-BIV_CH1412 Rear 15mm

Date: 12/12/2020

Electronics: DAE4 Sn777

Medium: body 1750 MHz

Medium parameters used: $f = 1752.6$; $\sigma = 1.377$ mho/m; $\epsilon_r = 39.44$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: WCDMA1700-BIV 1752.6 Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(8.41,8.41,8.41)

Area Scan (81x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.482 W/kg

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

Reference Value = 7.300 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.579 W/kg

SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.191 W/kg

Maximum value of SAR (measured) = 0.483 W/kg

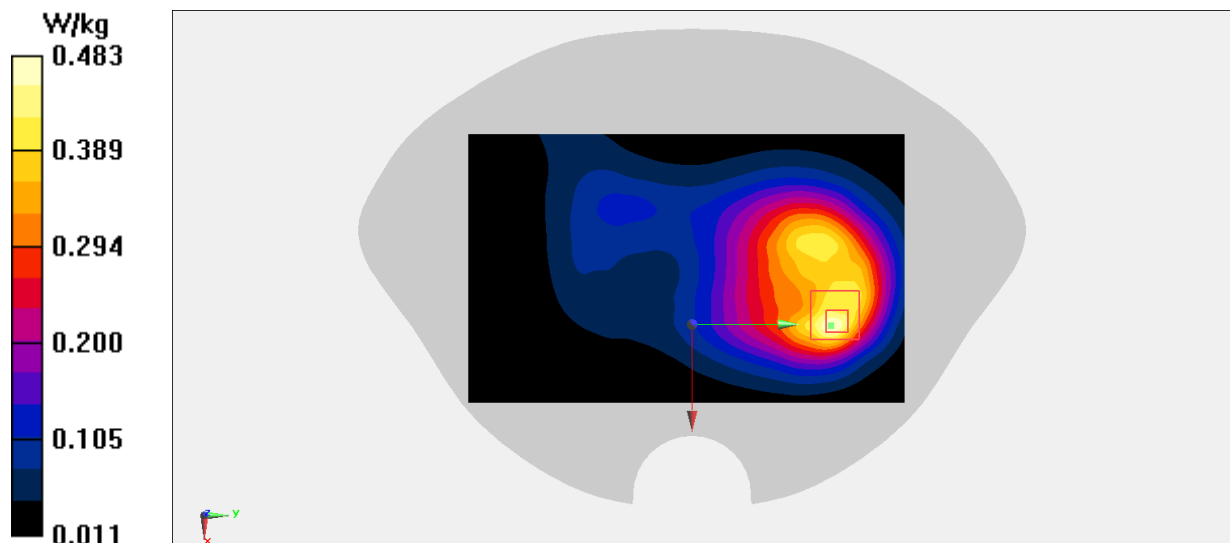


Fig A.11

WCDMA850-BV_CH4183 Left Cheek

Date: 12/11/2020

Electronics: DAE4 Sn777

Medium: head 835 MHz

Medium parameters used: $f = 836.6$; $\sigma = 0.886$ mho/m; $\epsilon_r = 41.45$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: WCDMA850-BV 836.6 Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(9.66,9.66,9.66)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.392 W/kg

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

Reference Value = 6.801 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.439 W/kg

SAR(1 g) = 0.335 W/kg; SAR(10 g) = 0.256 W/kg

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

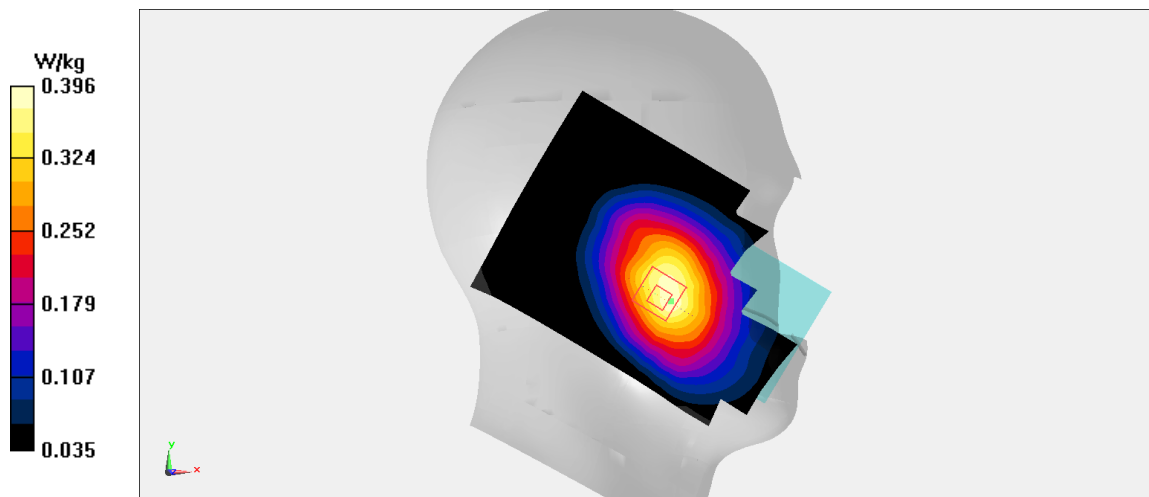


Fig A.12

WCDMA850-BV_CH4132 Rear 10mm

Date: 12/11/2020

Electronics: DAE4 Sn777

Medium: body 835 MHz

Medium parameters used: $f = 826.4$; $\sigma = 0.875$ mho/m; $\epsilon_r = 41.46$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: WCDMA850-BV 826.4 Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(9.66,9.66,9.66)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.612 W/kg

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

Reference Value = 22.95 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.77 W/kg

SAR(1 g) = 0.397 W/kg; SAR(10 g) = 0.218 W/kg

Maximum value of SAR (measured) = 0.595W/kg

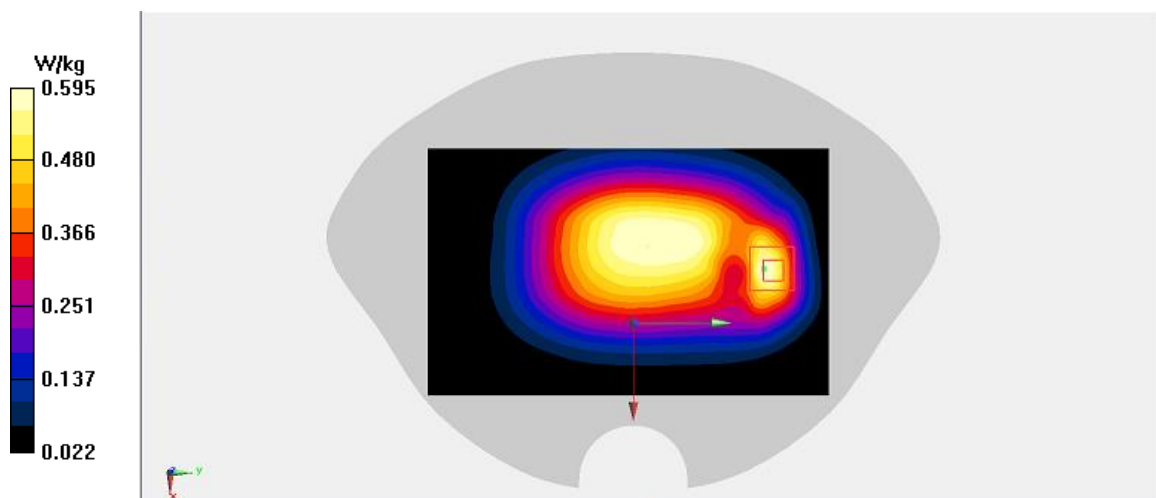


Fig A.13

LTE700-FDD12_CH23095 Left Tilt 1RB-Middle

Date: 12/10/2020

Electronics: DAE4 Sn777

Medium: head 750 MHz

Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.857$ mho/m; $\epsilon_r = 42.12$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: LTE700-FDD12 707.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(10.07,10.07,10.07)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.212 W/kg

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

Reference Value = 10.76 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.229 W/kg

SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.14 W/kg

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

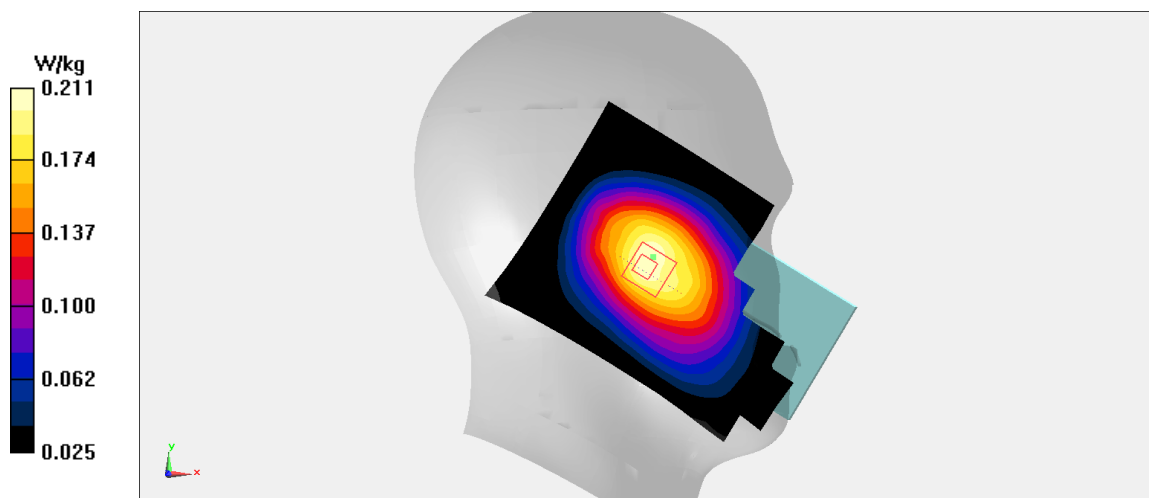


Fig A.14

LTE700-FDD12_CH23095 1RB-Middle Rear 10mm

Date: 12/10/2020

Electronics: DAE4 Sn777

Medium: body 750 MHz

Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.857$ mho/m; $\epsilon_r = 42.12$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: LTE700-FDD12 707.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(10.07,10.07,10.07)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.497 W/kg

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

Reference Value = 21.59 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.539 W/kg

SAR(1 g) = 0.411 W/kg; SAR(10 g) = 0.315 W/kg

Maximum value of SAR (measured) = 0.494 W/kg

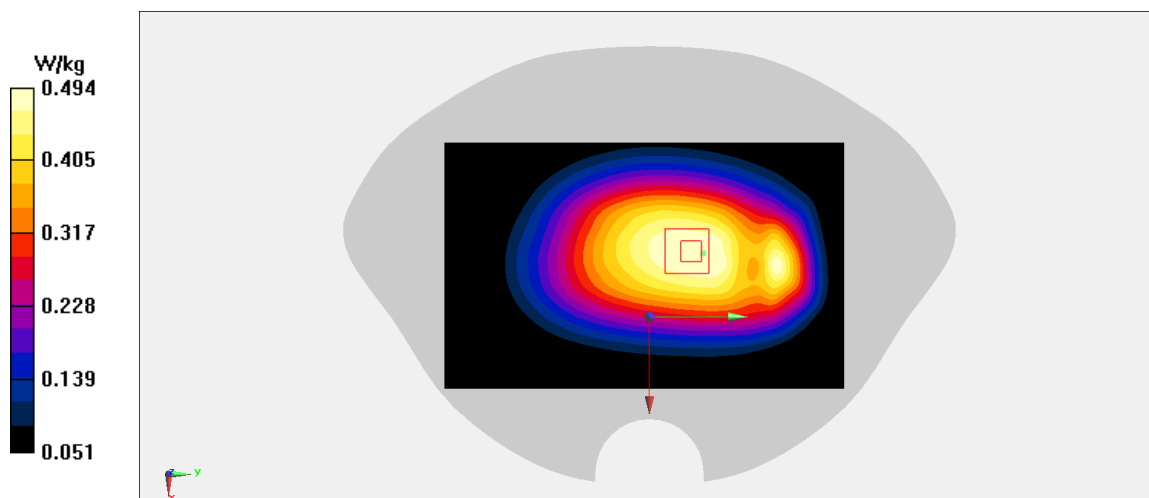


Fig A.15

LTE750-FDD13_CH23230 Left Cheek 1RB-Middle

Date: 12/10/2020

Electronics: DAE4 Sn777

Medium: head 750 MHz

Medium parameters used: $f = 782$ MHz; $\sigma = 0.927$ mho/m; $\epsilon_r = 42.03$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: LTE750-FDD13 782 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(10.07,10.07,10.07)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.273 W/kg

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

Reference Value = 6.765 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.308 W/kg

SAR(1 g) = 0.229 W/kg; SAR(10 g) = 0.174 W/kg

Maximum value of SAR (measured) = 0.275 W/kg

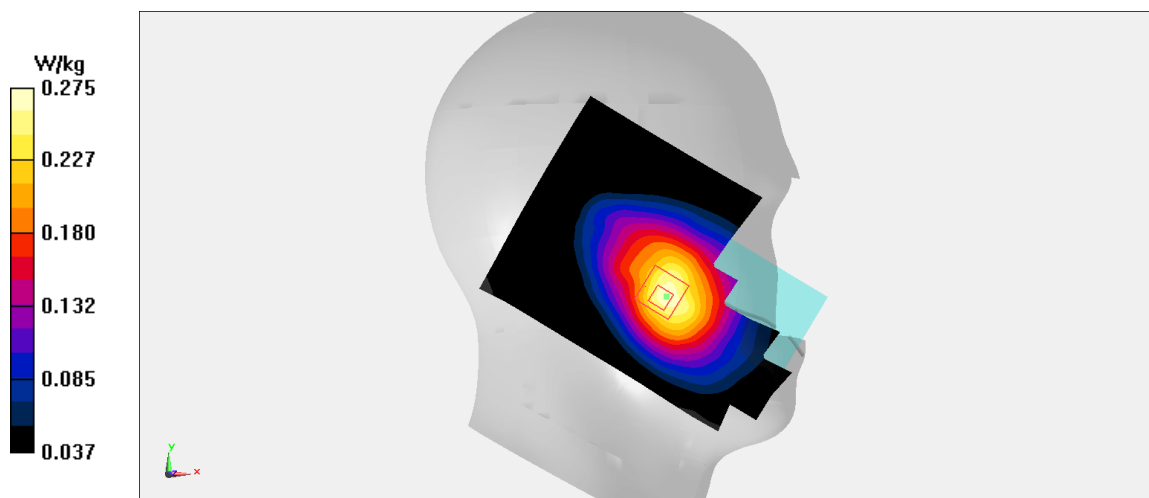


Fig A.16

LTE750-FDD13_CH23230 1RB-Middle Rear 10mm

Date: 12/10/2020

Electronics: DAE4 Sn777

Medium: body 750 MHz

Medium parameters used: $f = 782$ MHz; $\sigma = 0.927$ mho/m; $\epsilon_r = 42.03$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: LTE750-FDD13 782 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(10.07,10.07,10.07)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.476 W/kg

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

Reference Value = 19.13 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.583 W/kg

SAR(1 g) = 0.307 W/kg; SAR(10 g) = 0.175 W/kg

Maximum value of SAR (measured) = 0.456 W/kg

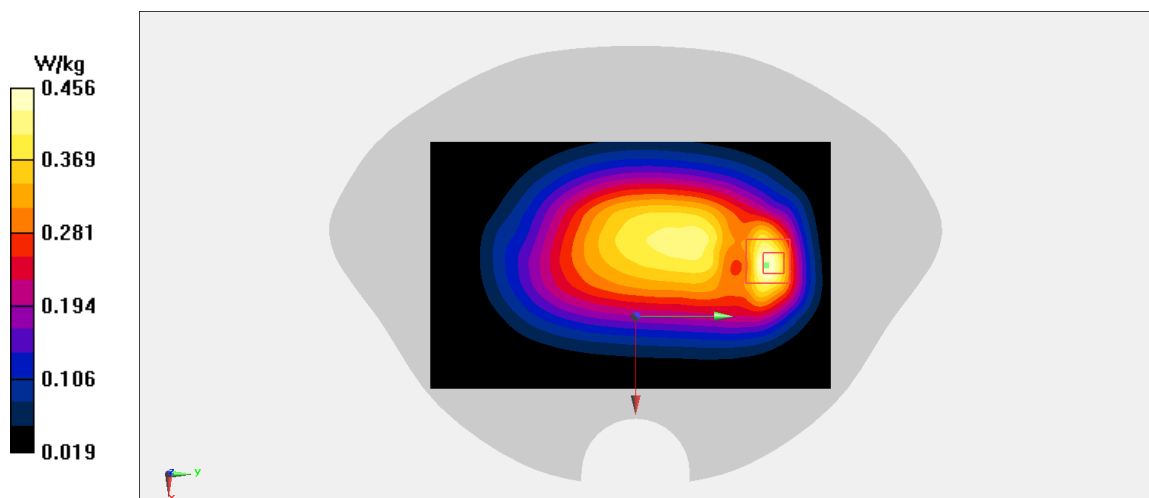


Fig A.17

LTE1900-FDD25_CH26140 Right Cheek 1RB-Middle

Date: 12/13/2020

Electronics: DAE4 Sn777

Medium: head 1900 MHz

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.344$ mho/m; $\epsilon_r = 39.38$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: LTE1900-FDD25 1860 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(8.14,8.14,8.14)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.405 W/kg

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

Reference Value = 5.065 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.492 W/kg

SAR(1 g) = 0.287 W/kg; SAR(10 g) = 0.177 W/kg

Maximum value of SAR (measured) = 0.377 W/kg

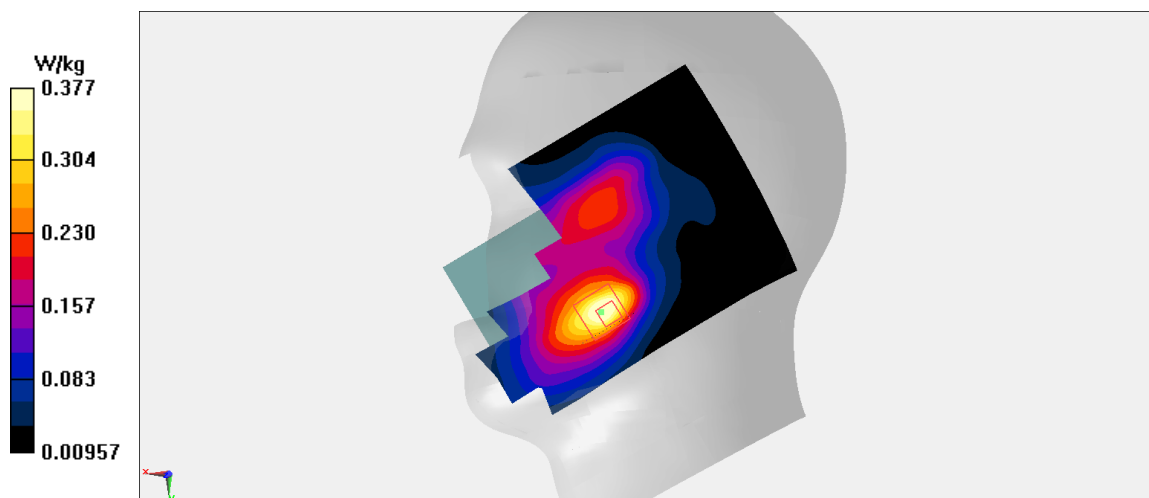


Fig A.18

LTE1900-FDD25_CH26140 1RB-Middle Rear 10mm

Date: 12/13/2020

Electronics: DAE4 Sn777

Medium: body 1900 MHz

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.344$ mho/m; $\epsilon_r = 39.38$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: LTE1900-FDD25 1860 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(8.14,8.14,8.14)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.981 W/kg

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

Reference Value = 8.878 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.578 W/kg; SAR(10 g) = 0.312 W/kg

Maximum value of SAR (measured) = 0.863 W/kg

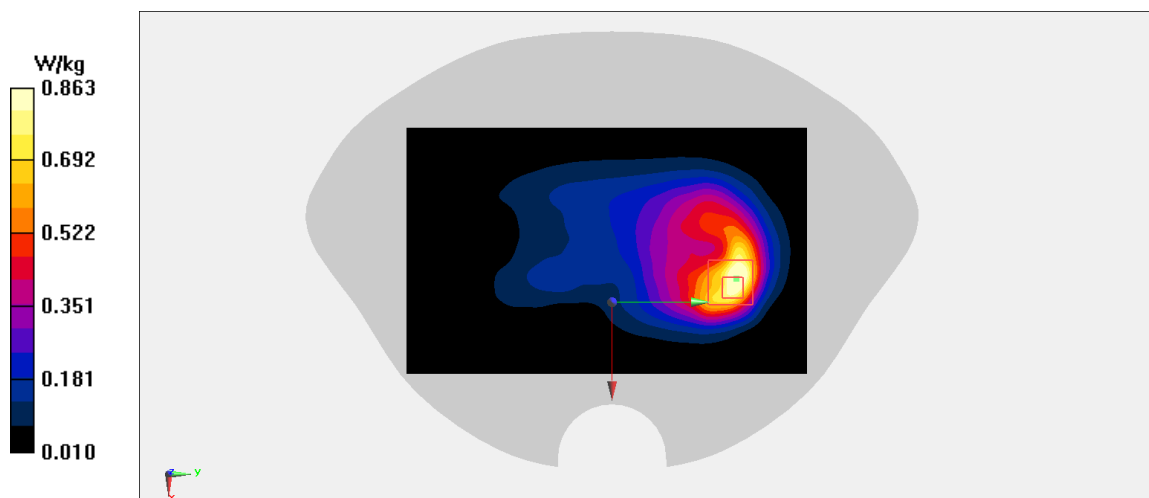


Fig A.19

LTE1900-FDD25_CH26140 1RB-Middle Rear 15mm

Date: 12/13/2020

Electronics: DAE4 Sn777

Medium: body 1900 MHz

Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.345$ mho/m; $\epsilon_r = 39.31$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: LTE1900-FDD25 1882.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(8.14,8.14,8.14)

Area Scan (81x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.639 W/kg

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

Reference Value = 7.949 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.775 W/kg

SAR(1 g) = 0.455 W/kg; SAR(10 g) = 0.274 W/kg

Maximum value of SAR (measured) = 0.657 W/kg

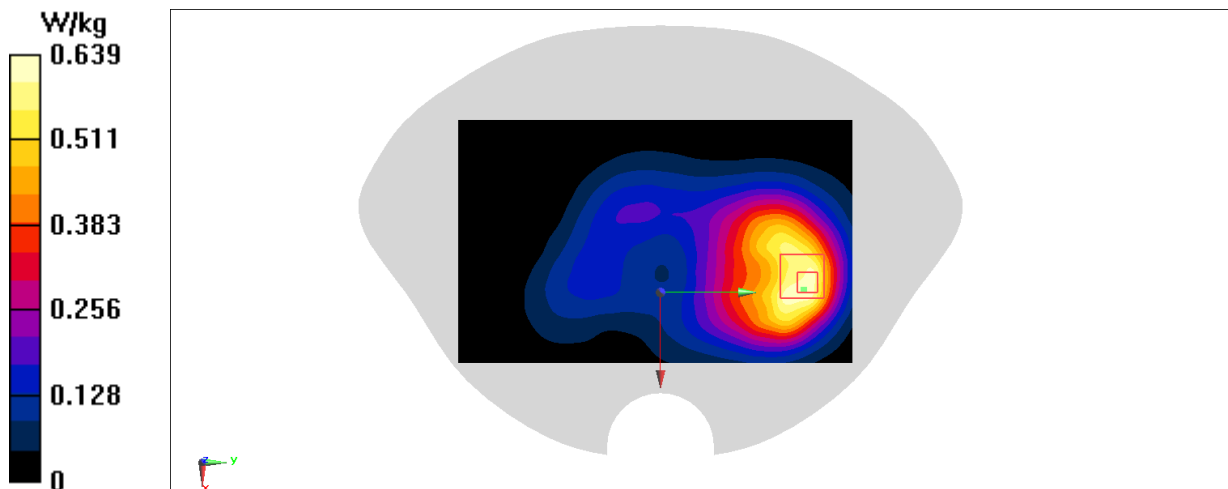


Fig A.20

LTE850-FDD26_CH26775 Left Cheek 1RB-Middle

Date: 12/11/2020

Electronics: DAE4 Sn777

Medium: head 835 MHz

Medium parameters used: $f = 822.5$ MHz; $\sigma = 0.872$ mho/m; $\epsilon_r = 41.47$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: LTE850-FDD26 822.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(9.66,9.66,9.66)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.272 W/kg

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

Reference Value = 7.353 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.31 W/kg

SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.172 W/kg

Maximum value of SAR (measured) = 0.275 W/kg

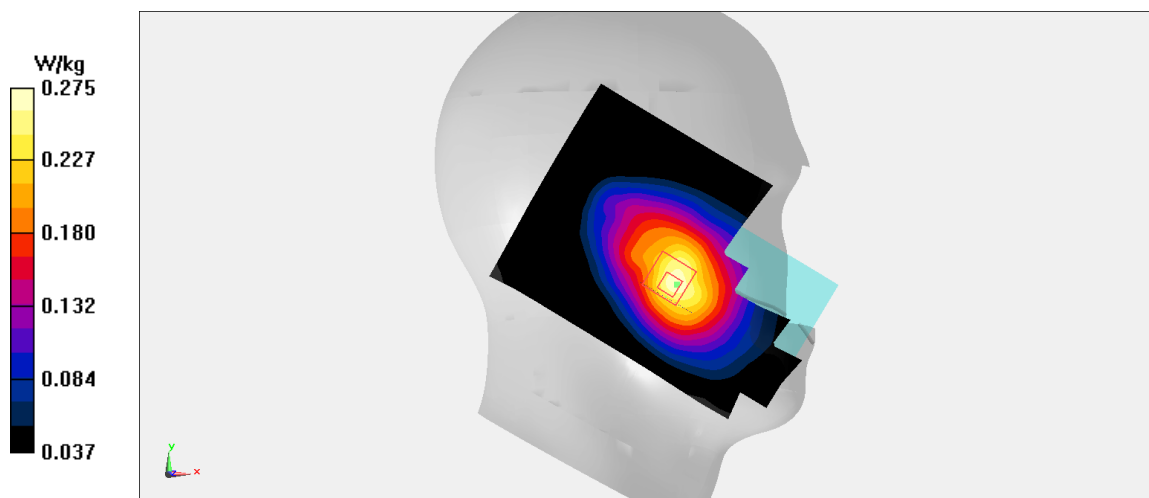


Fig A.21

LTE850-FDD26_CH26775 1RB-Middle Rear 10mm

Date: 12/11/2020

Electronics: DAE4 Sn777

Medium: body 835 MHz

Medium parameters used: $f = 822.5$ MHz; $\sigma = 0.872$ mho/m; $\epsilon_r = 41.47$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: LTE850-FDD26 822.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(9.66,9.66,9.66)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.445 W/kg

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

Reference Value = 19.81 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.482 W/kg

SAR(1 g) = 0.367 W/kg; SAR(10 g) = 0.28 W/kg

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

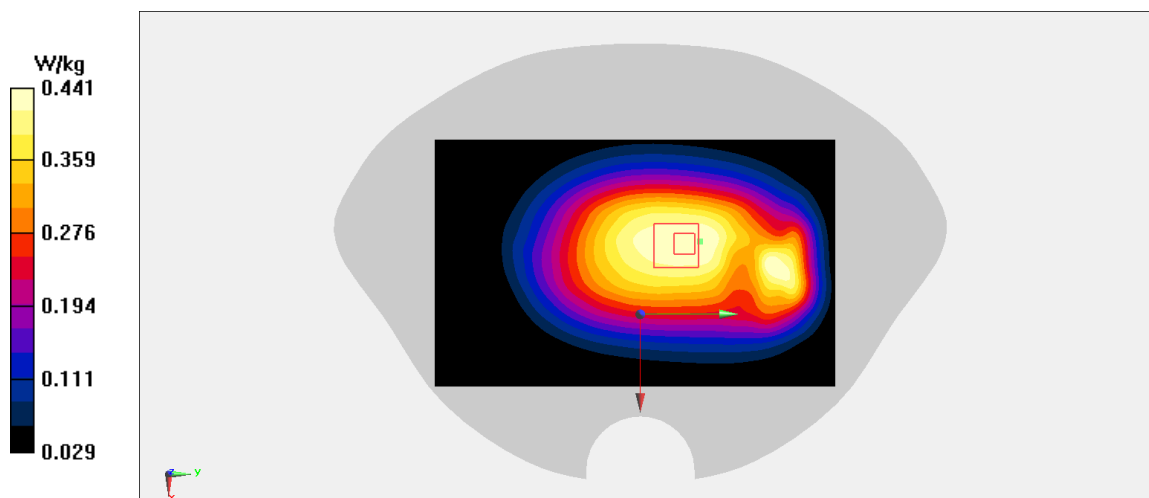


Fig A.22

LTEB41(PC3)_CH39750 Right Cheek 1RB-Middle

Date: 12/11/2020

Electronics: DAE4 Sn777

Medium: head 2506 MHz

Medium parameters used: $f = 2506$; $\sigma = 1.853$ mho/m; $\epsilon_r = 38.53$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: 2506 Duty Cycle: 1:1.58

Probe: EX3DV4 – SN3617 (7.52,7.52,7.52)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0768 W/kg

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

Reference Value = 0.458 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.094 W/kg

SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.032 W/kg

Maximum value of SAR (measured) = 0.079 W/kg

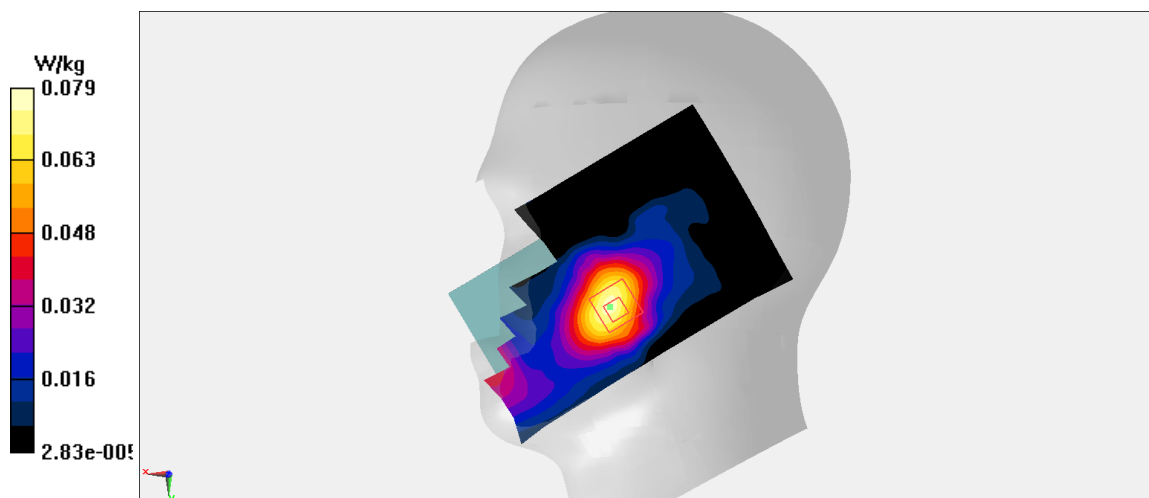


Fig A.23

LTEB41(PC3)_CH39750 1RB-Middle Bottom Edge 10mm

Date: 12/11/2020

Electronics: DAE4 Sn777

Medium: body 2506 MHz

Medium parameters used: $f = 2506$; $\sigma = 1.853$ mho/m; $\epsilon_r = 38.53$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: Max 2506 Duty Cycle: 1:1.58

Probe: EX3DV4 – SN3617 (7.52,7.52,7.52)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.953 W/kg

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

Reference Value = 14.94 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.1 W/kg

SAR(1 g) = 0.568 W/kg; SAR(10 g) = 0.278 W/kg

Maximum value of SAR (measured) = 0.906 W/kg

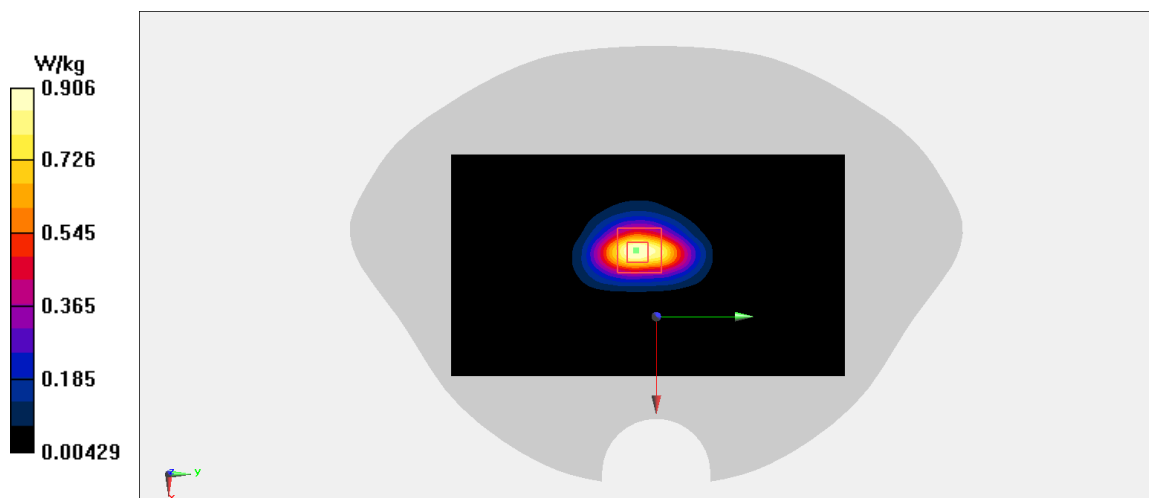


Fig A.24

LTEB41(PC3)_CH39750 1RB-Middle Rear 15mm

Date: 12/11/2020

Electronics: DAE4 Sn777

Medium: body 2506 MHz

Medium parameters used: $f = 2506$; $\sigma = 1.853$ mho/m; $\epsilon_r = 38.53$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: Max 2506 Duty Cycle: 1:1.58

Probe: EX3DV4 – SN3617 (7.52,7.52,7.52)

Area Scan (91x161x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.724 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.902 V/m; Power Drift = -1.37 dB

Peak SAR (extrapolated) = 0.846 W/kg

SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.220 W/kg

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

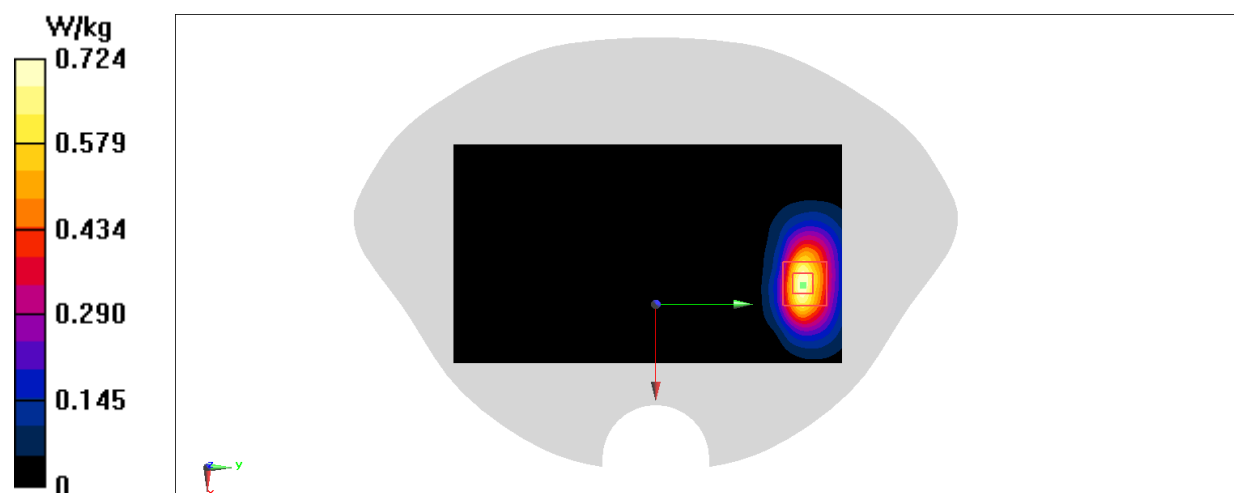


Fig A.25

LTEB41(PC2)_CH39750 Right Cheek 1RB-Middle

Date: 12/11/2020

Electronics: DAE4 Sn777

Medium: head 2506 MHz

Medium parameters used: $f = 2506$; $\sigma = 1.853$ mho/m; $\epsilon_r = 38.53$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: 2506 Duty Cycle: 1:2.309

Probe: EX3DV4 – SN3617 (7.52,7.52,7.52)

Area Scan (91x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.111 W/kg

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

Reference Value = 1.909 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.129 W/kg

SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.046 W/kg

Maximum value of SAR (measured) = 0.109 W/kg

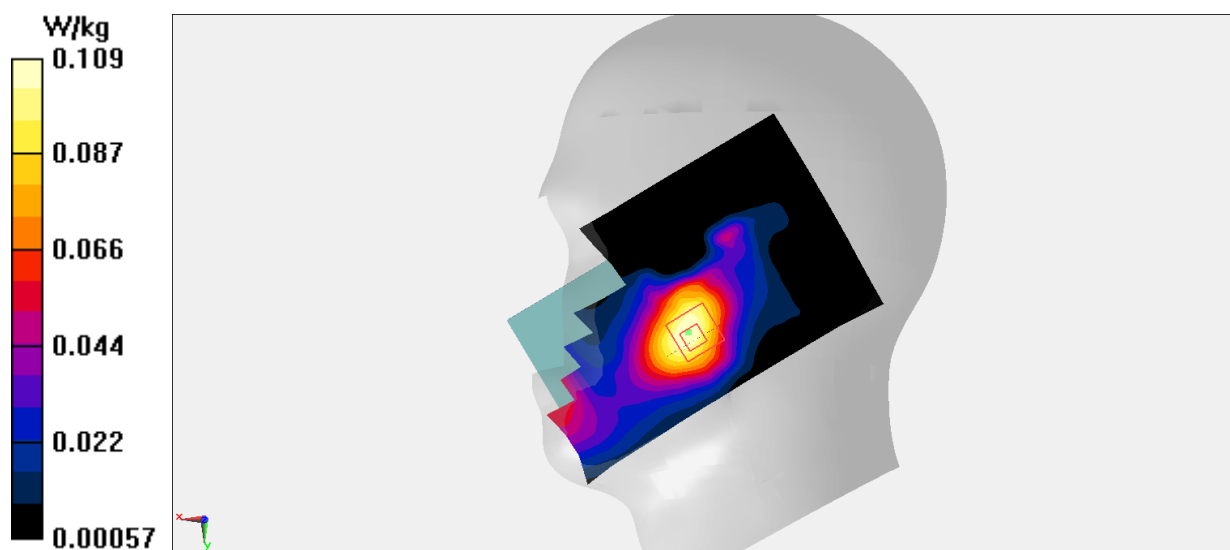


Fig A.26

LTEB41(PC2)_CH39750 1RB-Middle Bottom Edge 10mm

Date: 12/11/2020

Electronics: DAE4 Sn777

Medium: body 2506 MHz

Medium parameters used: $f = 2506$; $\sigma = 1.853$ mho/m; $\epsilon_r = 38.53$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: Max 2506 Duty Cycle: 1:2.309

Probe: EX3DV4 – SN3617 (7.52,7.52,7.52)

Area Scan (91x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.27 W/kg

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

Reference Value = 17.62 V/m; Power Drift = 0.33 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.778 W/kg; SAR(10 g) = 0.382 W/kg

Maximum value of SAR (measured) = 1.23 W/kg

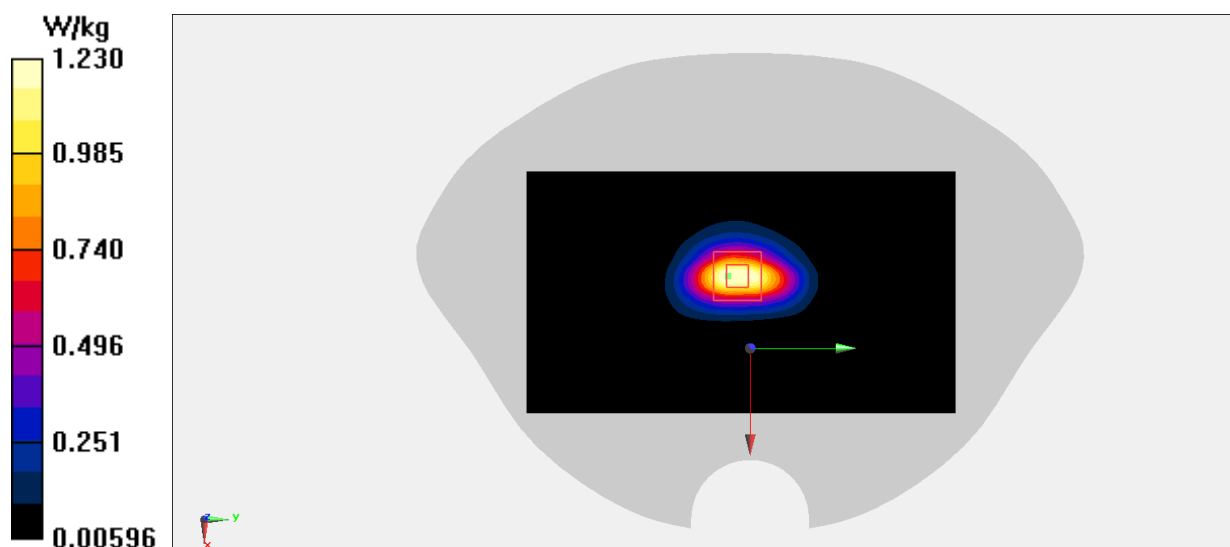


Fig A.27

LTEB41(PC2)_CH39750 1RB-Middle Rear 15mm

Date: 12/11/2020

Electronics: DAE4 Sn777

Medium: body 2506 MHz

Medium parameters used: $f = 2506$; $\sigma = 1.853$ mho/m; $\epsilon_r = 38.53$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: Max 2506 Duty Cycle: 1:2.309

Probe: EX3DV4 – SN3617 (7.52,7.52,7.52)

Area Scan (91x161x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.963 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.960 V/m; Power Drift = 3.13 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.582 W/kg; SAR(10 g) = 0.295 W/kg

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

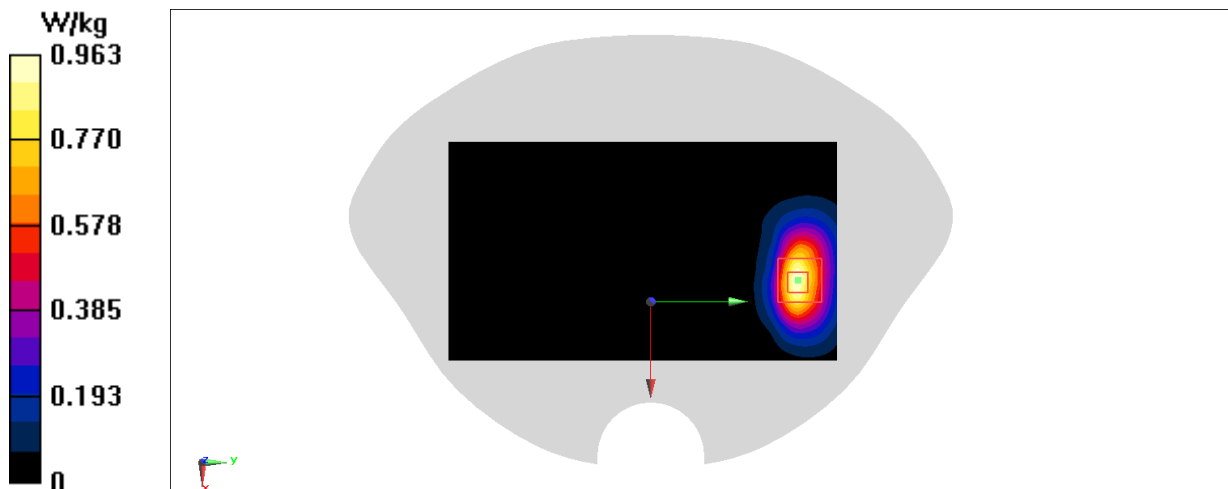


Fig A.28

LTE1700-FDD66_CH132572 Right Cheek 1RB-Middle

Date: 12/12/2020

Electronics: DAE4 Sn777

Medium: head 1750 MHz

Medium parameters used: $f = 1770$; $\sigma = 1.356$ mho/m; $\epsilon_r = 40.11$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: LTE1700-FDD66 1770 Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(8.41,8.41,8.41)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.503 W/kg

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

Reference Value = 7.159 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.571 W/kg

SAR(1 g) = 0.367 W/kg; SAR(10 g) = 0.236 W/kg

Maximum value of SAR (measured) = 0.49 W/kg

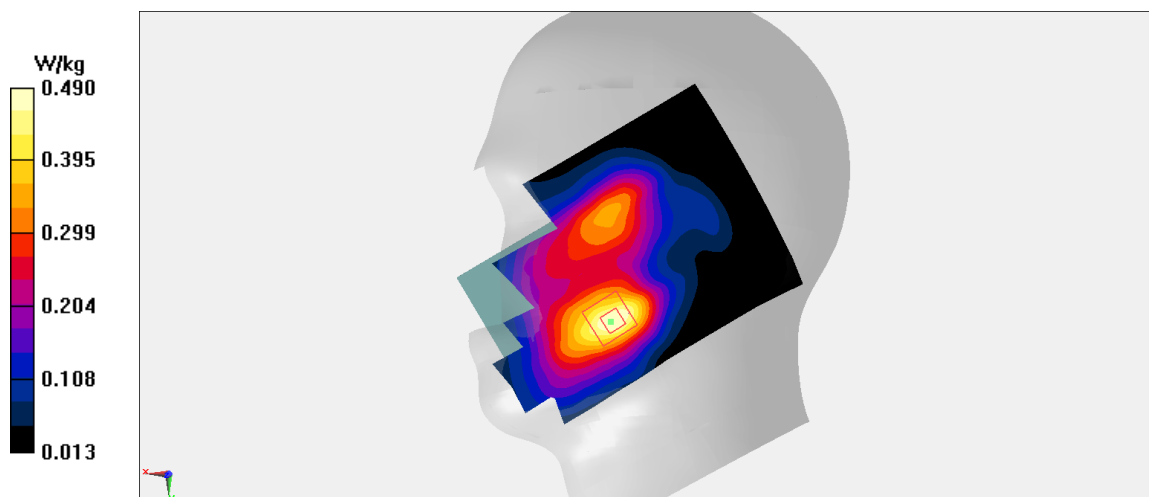


Fig A.29

LTE1700-FDD66_CH132572 1RB-Middle Rear 10mm

Date: 12/12/2020

Electronics: DAE4 Sn777

Medium: body 1750 MHz

Medium parameters used: $f = 1770$; $\sigma = 1.356$ mho/m; $\epsilon_r = 40.11$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: LTE1700-FDD66 1770 Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(8.41,8.41,8.41)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.922 W/kg

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

Reference Value = 7.708 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.649 W/kg; SAR(10 g) = 0.362 W/kg

Maximum value of SAR (measured) = 0.971 W/kg

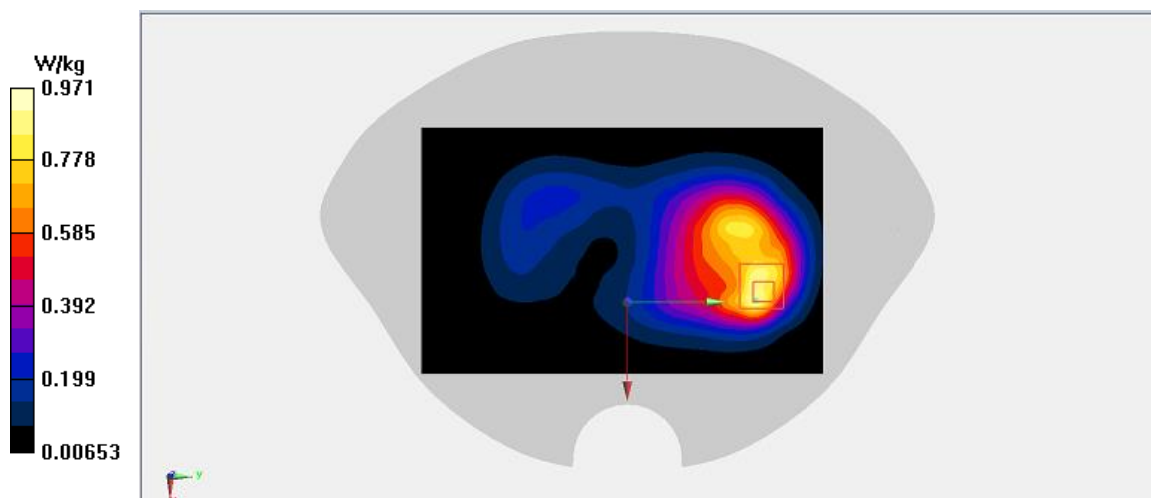


Fig A.30

LTE1700-FDD66_CH132572 1RB-Middle Rear 15mm

Date: 12/12/2020

Electronics: DAE4 Sn777

Medium: body 1750 MHz

Medium parameters used: $f = 1770$; $\sigma = 1.356$ mho/m; $\epsilon_r = 40.11$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: LTE1700-FDD66 1770 Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(8.41,8.41,8.41)

Area Scan (81x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.991 W/kg

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

Reference Value = 10.00 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.652 W/kg; SAR(10 g) = 0.389 W/kg

Maximum value of SAR (measured) = 0.952 W/kg

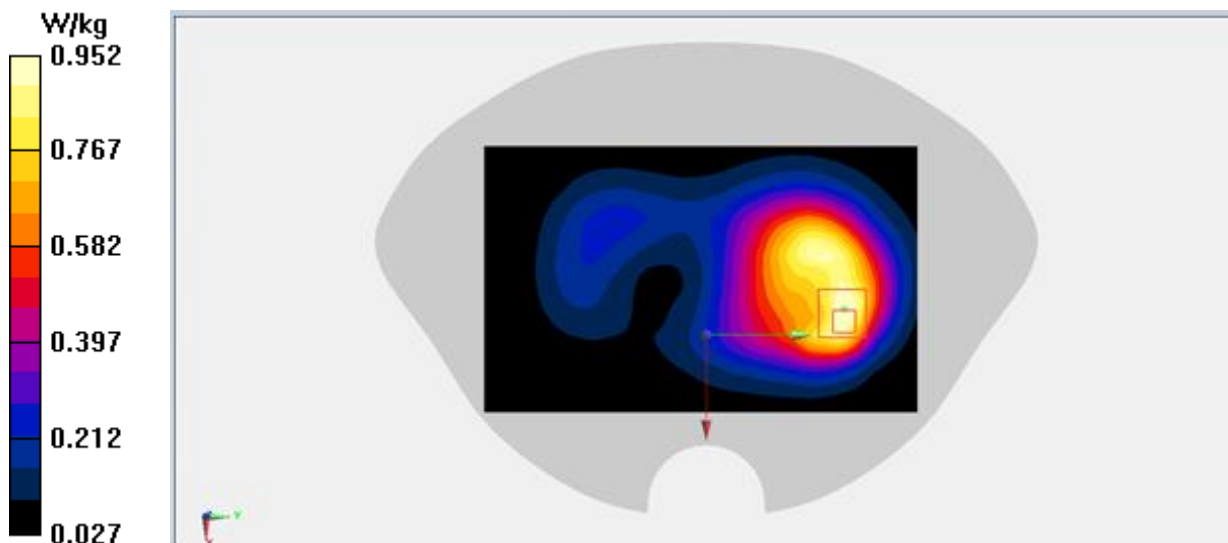


Fig A.31

LTE700-FDD71_CH133222 Left Cheek 1RB-Middle

Date: 12/10/2020

Electronics: DAE4 Sn777

Medium: head 750 MHz

Medium parameters used: $f = 673$; $\sigma = 0.89$ mho/m; $\epsilon_r = 42.9$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: LTE700-FDD71 673 Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(10.07,10.07,10.07)

Area Scan (71x121x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.159 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.676 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.172 W/kg

SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.109 W/kg

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

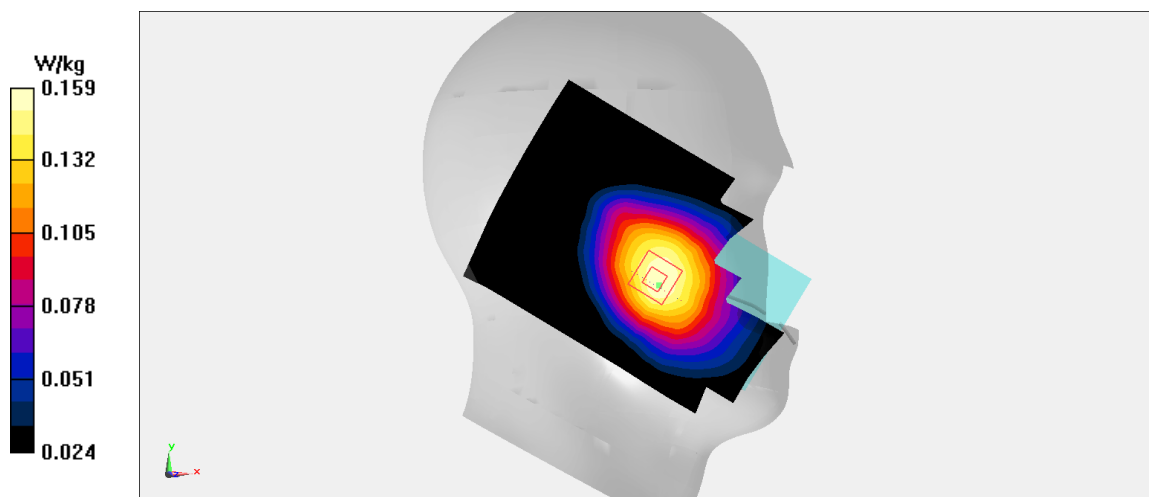


Fig A.32

LTE700-FDD71_CH133222 1RB-Middle Rear 10mm

Date: 12/10/2020

Electronics: DAE4 Sn777

Medium: body 750 MHz

Medium parameters used: $f = 673$; $\sigma = 0.89$ mho/m; $\epsilon_r = 42.9$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: LTE700-FDD71 673 Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(10.07,10.07,10.07)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.408 W/kg

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

Reference Value = 18.62 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.48 W/kg

SAR(1 g) = 0.323 W/kg; SAR(10 g) = 0.24 W/kg

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

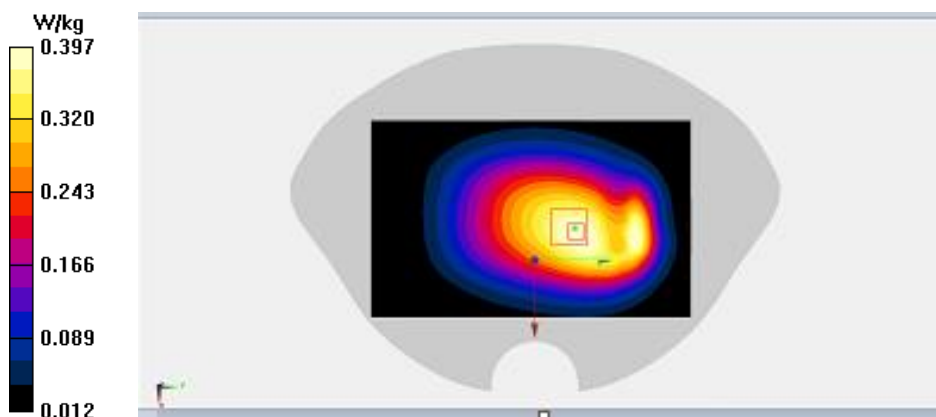


Fig A.33

WLAN2450_CH1 Right Cheek

Date: 12/14/2020

Electronics: DAE4 Sn777

Medium: head 2450 MHz

Medium parameters used: $f = 2412$; $\sigma = 1.764$ mho/m; $\epsilon_r = 38.63$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: WLAN2450 2412 Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(7.65,7.65,7.65)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.08 W/kg

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

Reference Value = 10.61 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.619 W/kg; SAR(10 g) = 0.303 W/kg

Maximum value of SAR (measured) = 0.990 W/kg

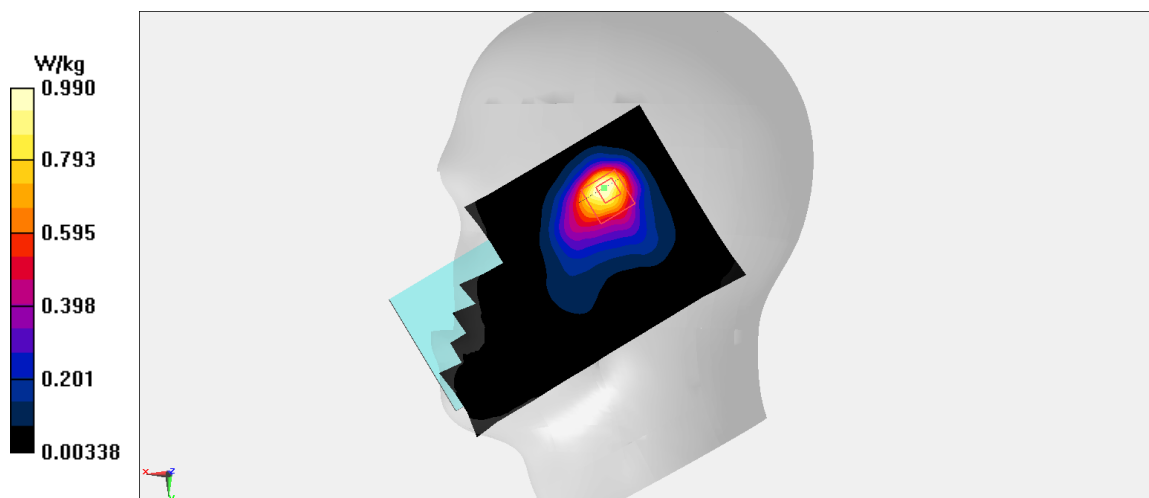


Fig A.34

WLAN2450_CH1 Rear 10mm

Date: 12/14/2020

Electronics: DAE4 Sn777

Medium: body 2450 MHz

Medium parameters used: $f = 2412$; $\sigma = 1.764$ mho/m; $\epsilon_r = 38.63$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.5°C, Liquid Temperature: 22.3°C

Communication System: WLAN2450 2412 Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(7.65,7.65,7.65)

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.795 W/kg

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

Reference Value = 9.917 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.967 W/kg

SAR(1 g) = 0.488 W/kg; SAR(10 g) = 0.251 W/kg

Maximum value of SAR (measured) = 0.768 W/kg

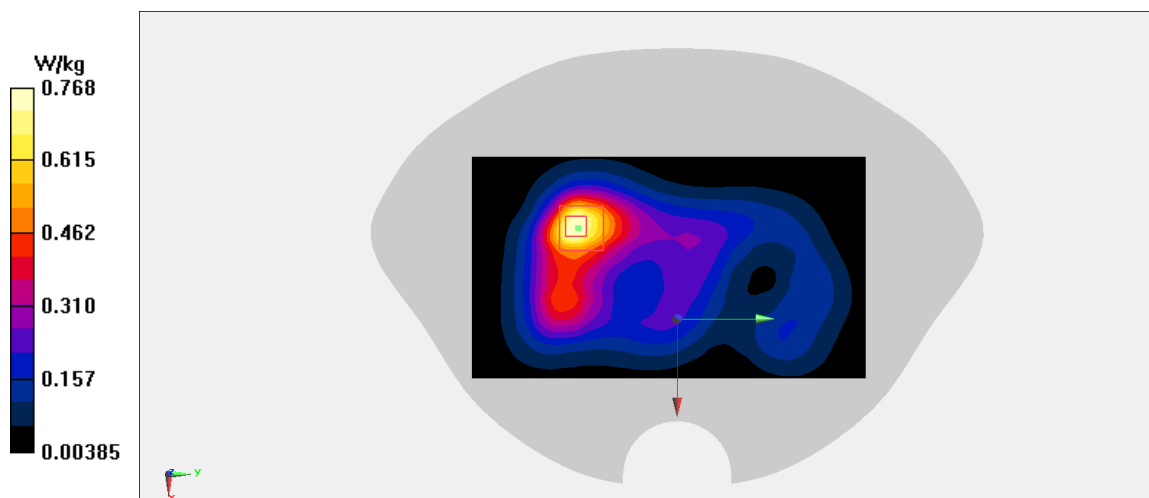


Fig A.35

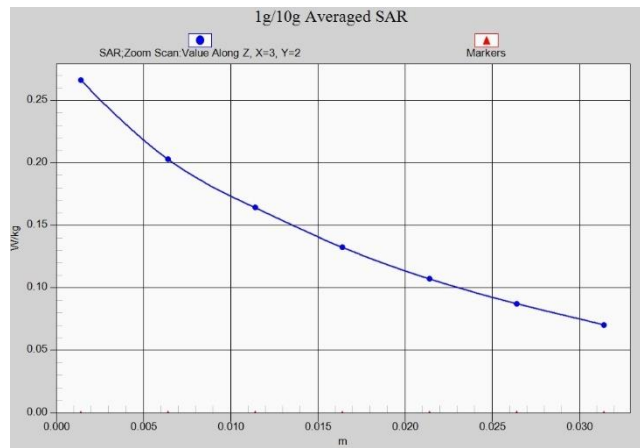


Fig. 1-1 Z-Scan at power reference point-head (850 MHz)

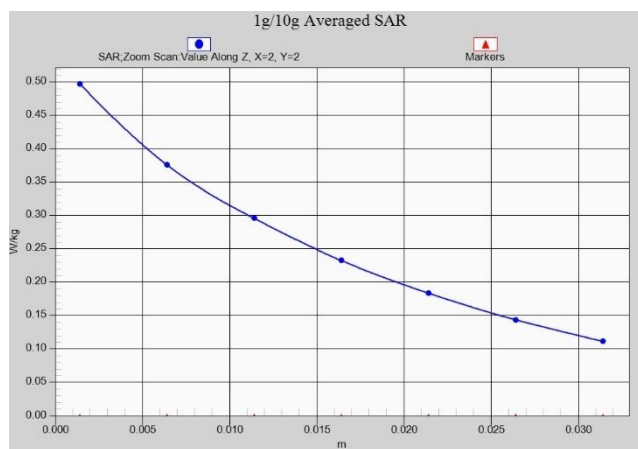


Fig. 1-2 Z-Scan at power reference point-body (850 MHz)

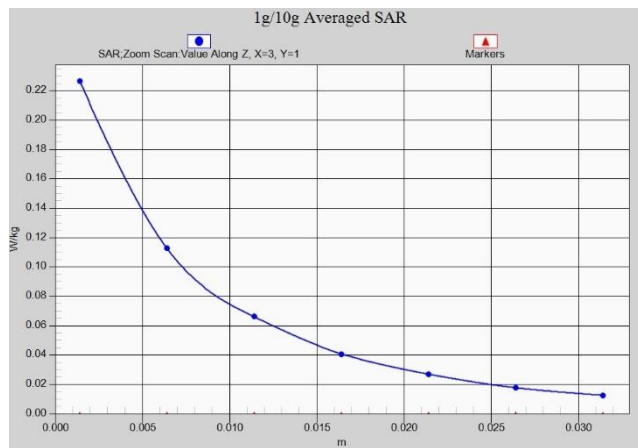


Fig. 1-3 Z-Scan at power reference point (1900 MHz)

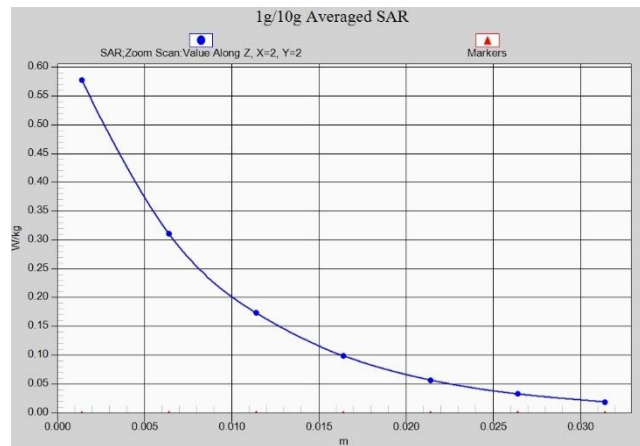


Fig. 1-4 Z-Scan at power reference point (1900 MHz)

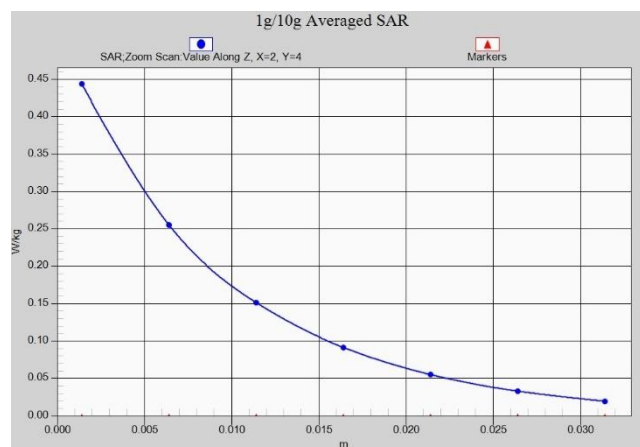


Fig. 1-5 Z-Scan at power reference point (1900 MHz)

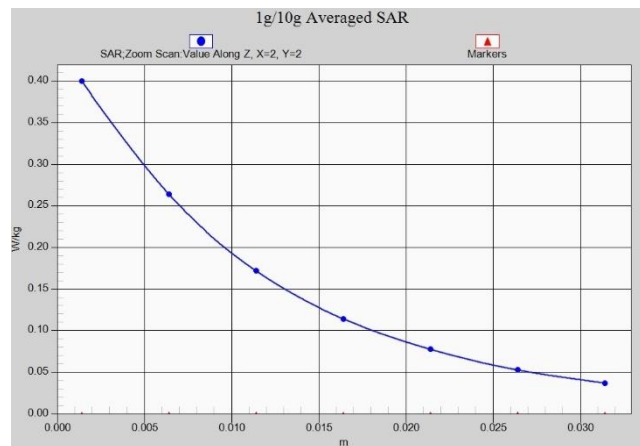


Fig. 1-6 Z-Scan at power reference point (WCDMA1900)

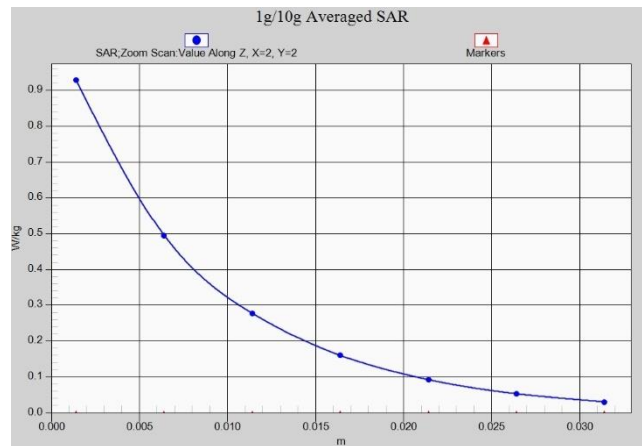


Fig. 1-7 Z-Scan at power reference point (WCDMA1900)

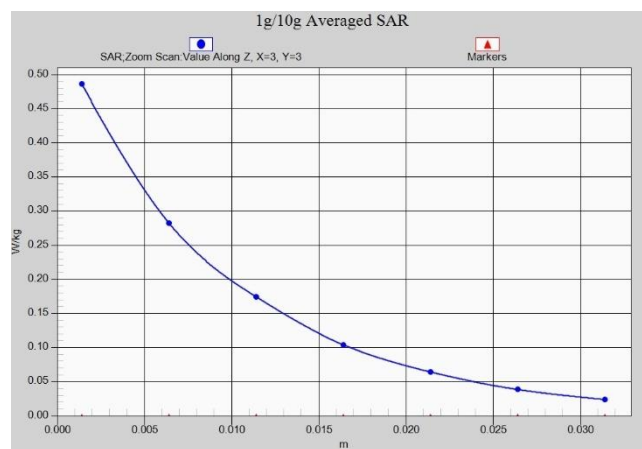


Fig. 1-8 Z-Scan at power reference point (WCDMA1900)

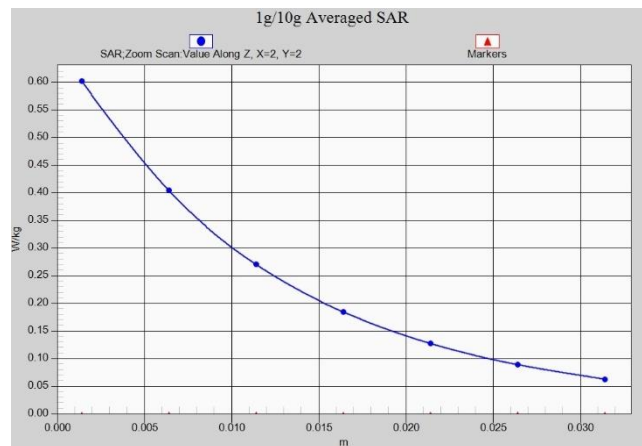


Fig. 1-9 Z-Scan at power reference point (WCDMA1700)

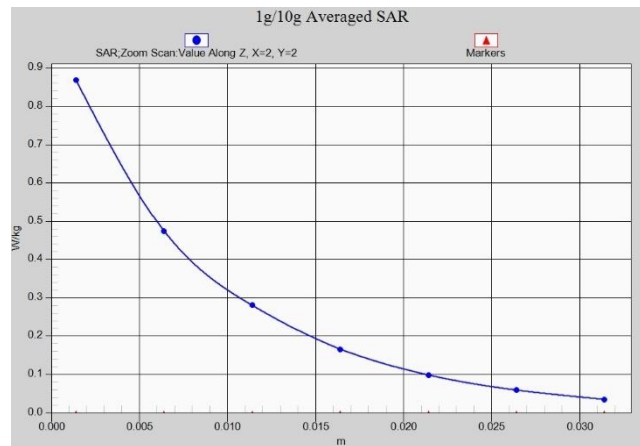


Fig. 1-10 Z-Scan at power reference point (WCDMA1700)

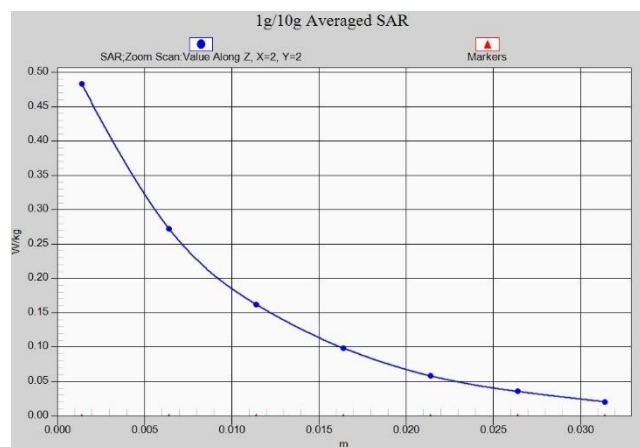


Fig. 1-11 Z-Scan at power reference point (WCDMA1700)

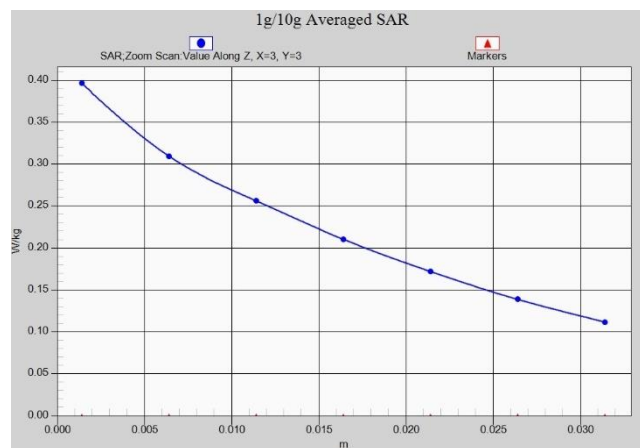


Fig. 1-12 Z-Scan at power reference point (WCDMA850)

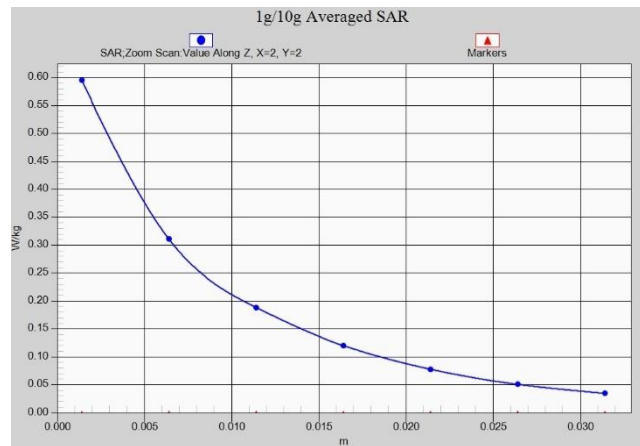


Fig. 1-13 Z-Scan at power reference point (WCDMA850)

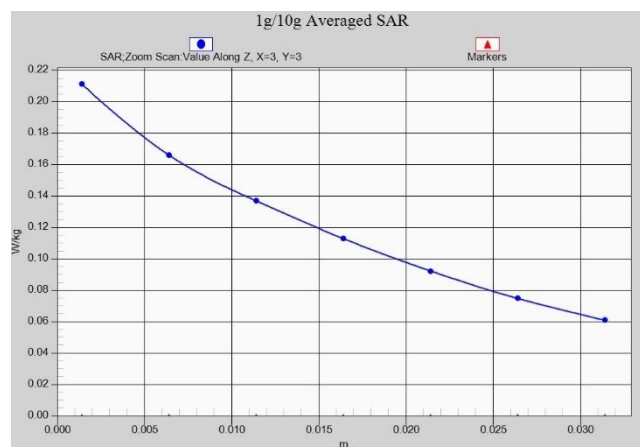


Fig. 1-14 Z-Scan at power reference point (LTEB12)

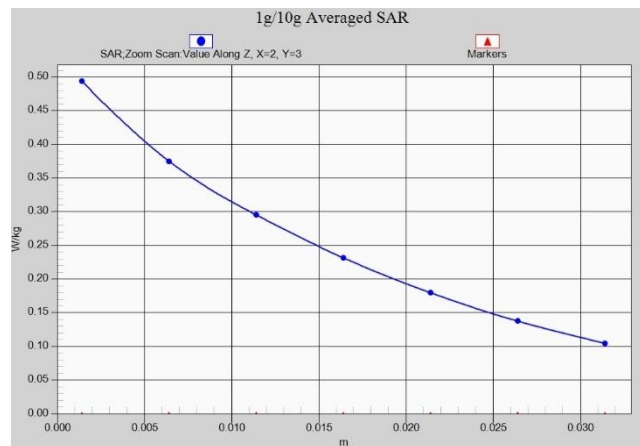


Fig. 1-15 Z-Scan at power reference point (LTEB12)

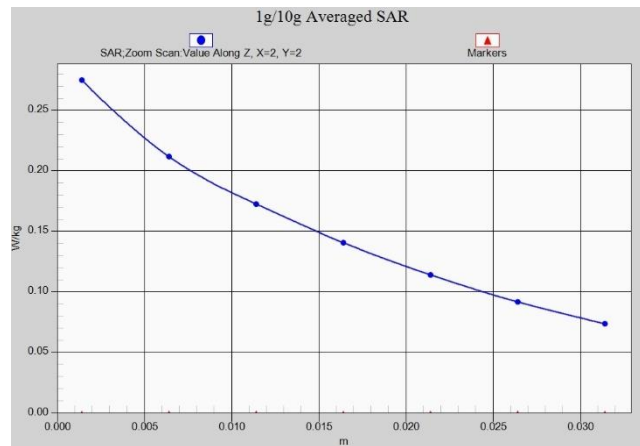


Fig. 1-16 Z-Scan at power reference point (LTEB13)

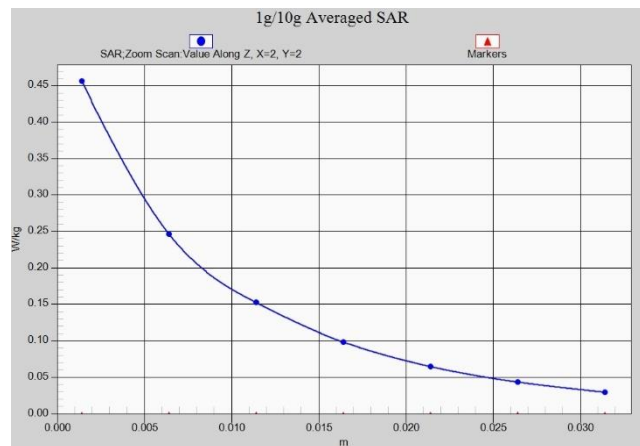


Fig. 1-17 Z-Scan at power reference point (LTEB13)

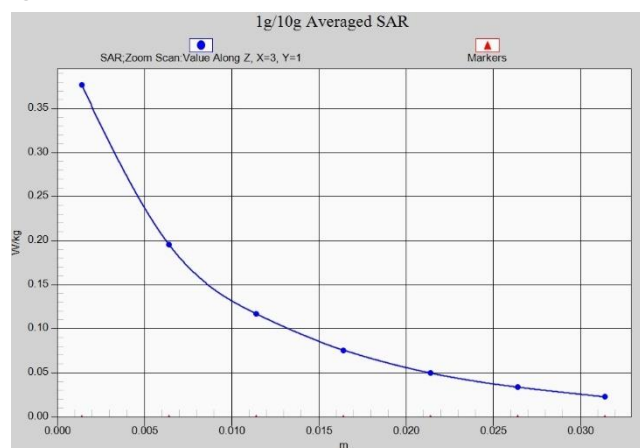


Fig. 1-18 Z-Scan at power reference point (LTEB25)

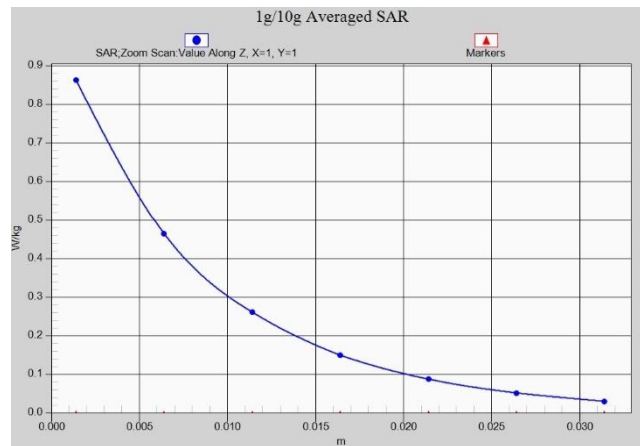


Fig. 1-19 Z-Scan at power reference point (LTEB25)

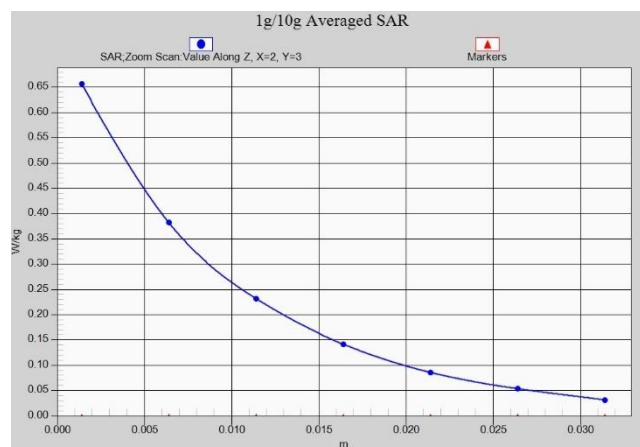


Fig. 1-20 Z-Scan at power reference point (LTEB25)

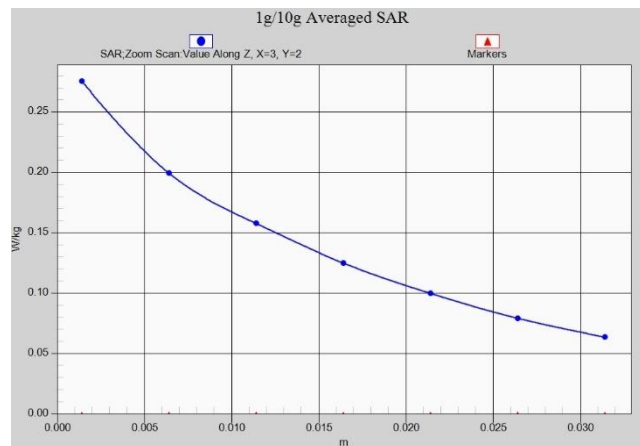


Fig. 1-21 Z-Scan at power reference point (LTEB26)



Fig. 1-22 Z-Scan at power reference point (LTEB26)

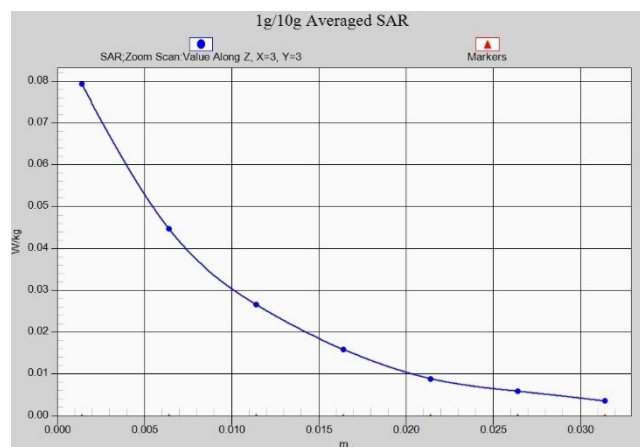


Fig. 1-23 Z-Scan at power reference point (LTEB41(PC3))

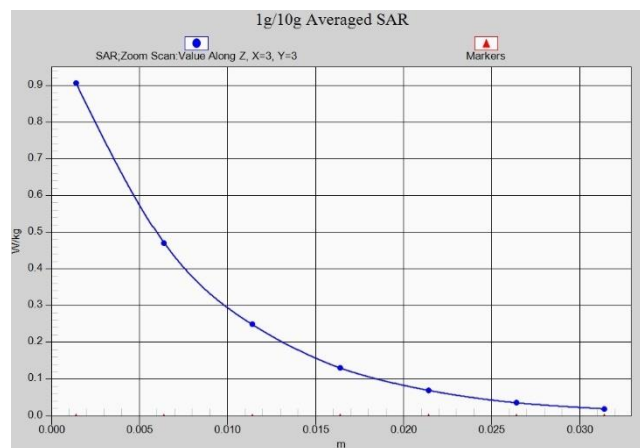


Fig. 1-24 Z-Scan at power reference point (LTEB41(PC3))

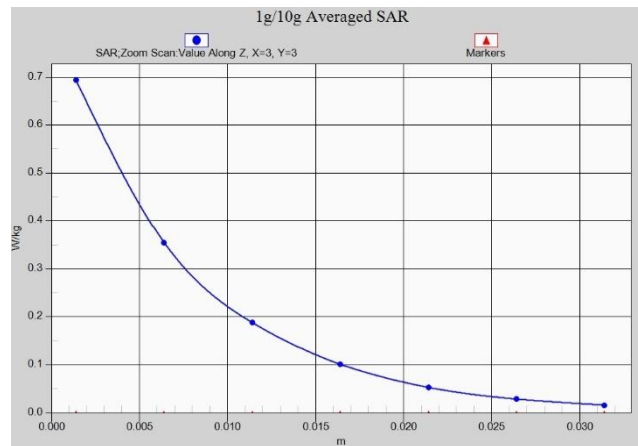


Fig. 1-25 Z-Scan at power reference point (LTEB41(PC3))

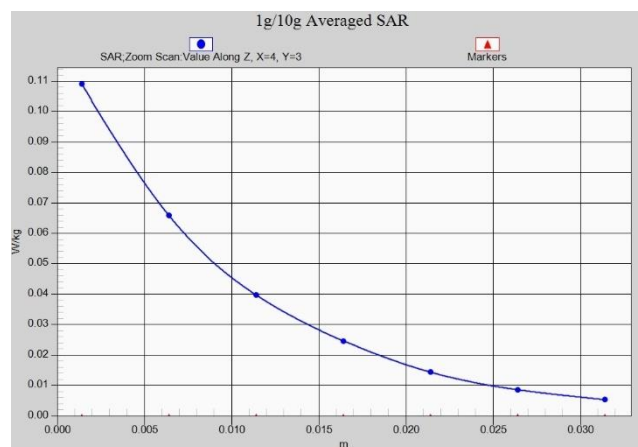


Fig. 1-26 Z-Scan at power reference point (LTEB41(PC2))

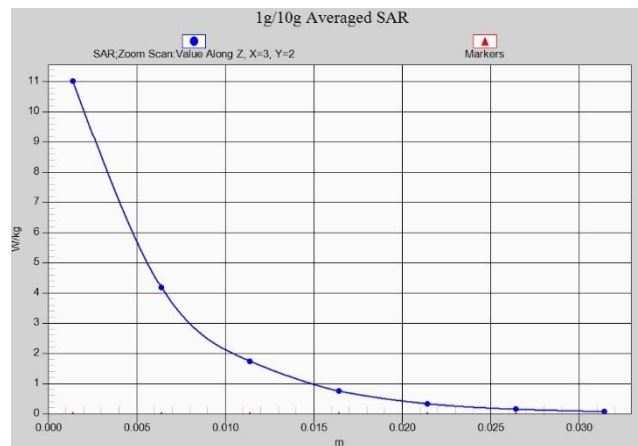


Fig. 1-27 Z-Scan at power reference point (LTEB41(PC2))

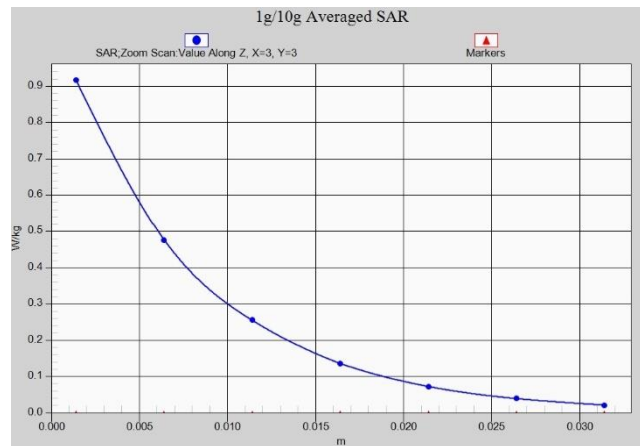


Fig. 1-28 Z-Scan at power reference point (LTEB41(PC2))

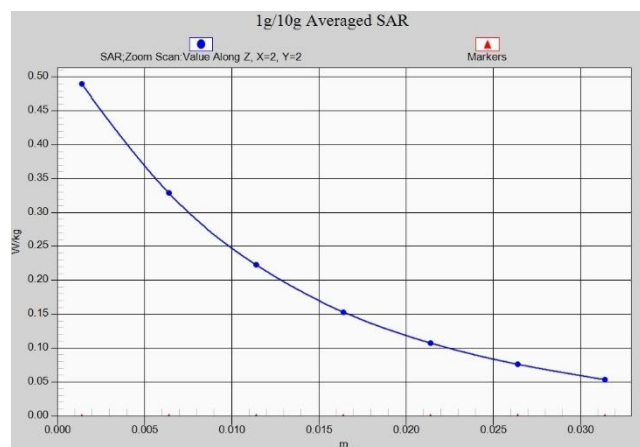


Fig. 1-29 Z-Scan at power reference point (LTEB66)

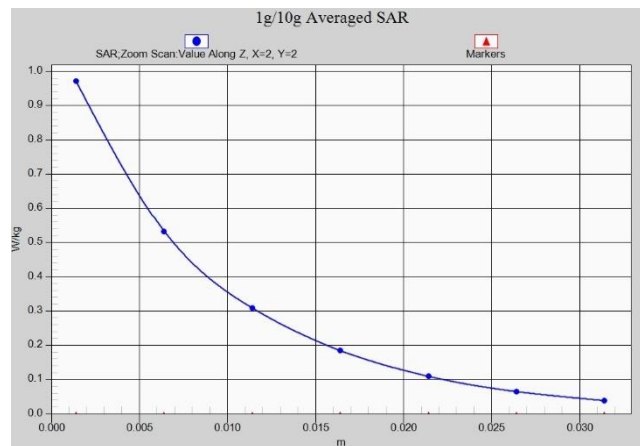


Fig. 1-30 Z-Scan at power reference point (LTEB66)

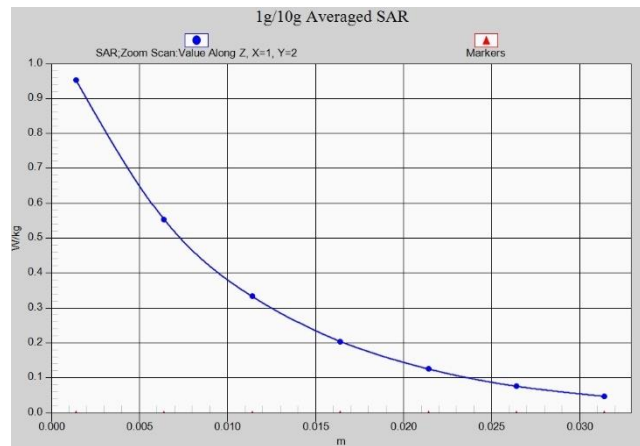


Fig. 1-31Z-Scan at power reference point (LTEB66)

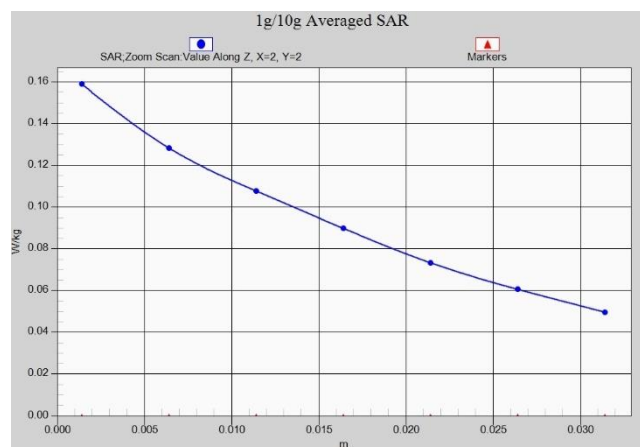


Fig. 1-32Z-Scan at power reference point (LTEB71)

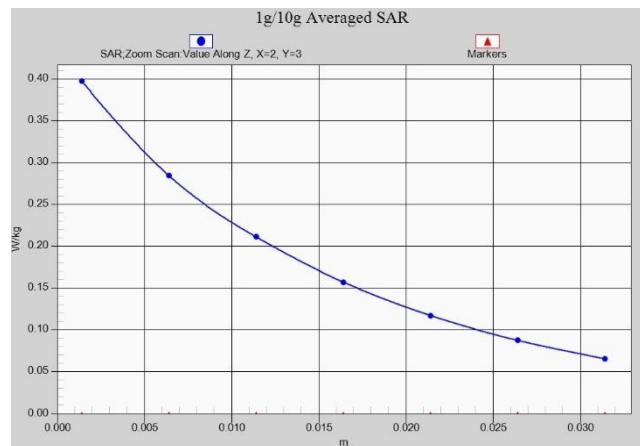


Fig. 1-33Z-Scan at power reference point (LTEB71)

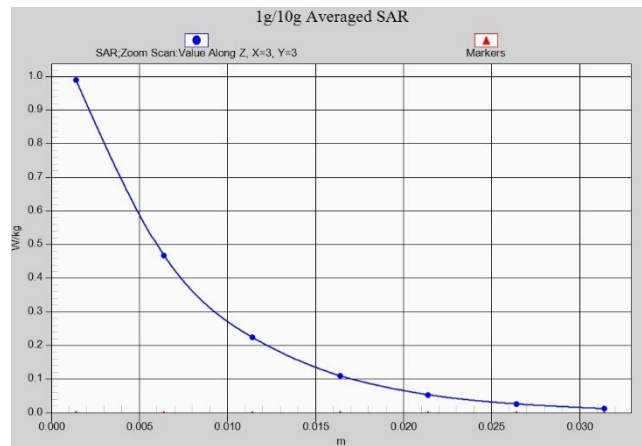


Fig. 1-34Z-Scan at power reference point (WLAN2.4G)

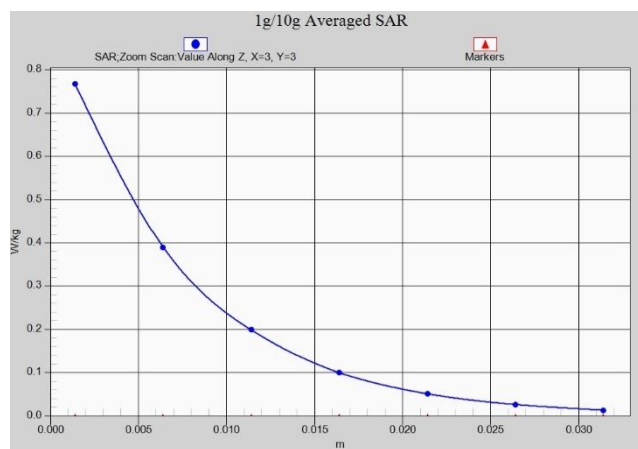


Fig. 1-35 Z-Scan at power reference point (WLAN2.4G)

ANNEX B System Verification Results

750 MHz

Date: 12/10/2020

Electronics: DAE4 Sn777

Medium: Head 750 MHz

Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 42.5$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.5°C Liquid Temperature: 22.3°C

Communication System: CW Frequency: 750 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(10.07,10.07,10.07)

System Validation /Area Scan (81x191x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 58.74 V/m ; Power Drift = -0.02

Fast SAR: SAR(1 g) = 2.19 W/kg; SAR(10 g) = 1.38 W/kg

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

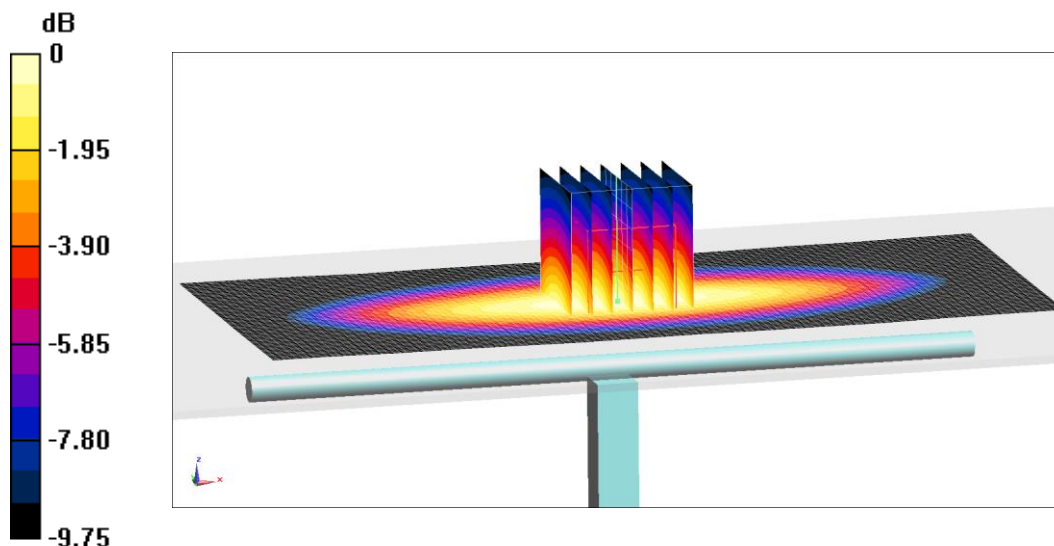
System Validation /Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 58.74 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.28 W/kg

SAR(1 g) = 2.16 W/kg; SAR(10 g) = 1.36 W/kg

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



0 dB = $2.85 \text{ W/kg} = 4.55 \text{ dB W/kg}$

Fig.B.1 validation 750 MHz 250mW

835 MHz

Date: 12/11/2020

Electronics: DAE4 Sn777

Medium: Head 835 MHz

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.888 \text{ mho/m}$; $\epsilon_r = 40.69$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.5°C Liquid Temperature: 22.3°C

Communication System: CW Frequency: 835 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(9.66,9.66,9.66)

System Validation /Area Scan (81x191x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 62.83 V/m; Power Drift = 0.1

Fast SAR: SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.53 W/kg

Maximum value of SAR (interpolated) = 3.19 W/kg

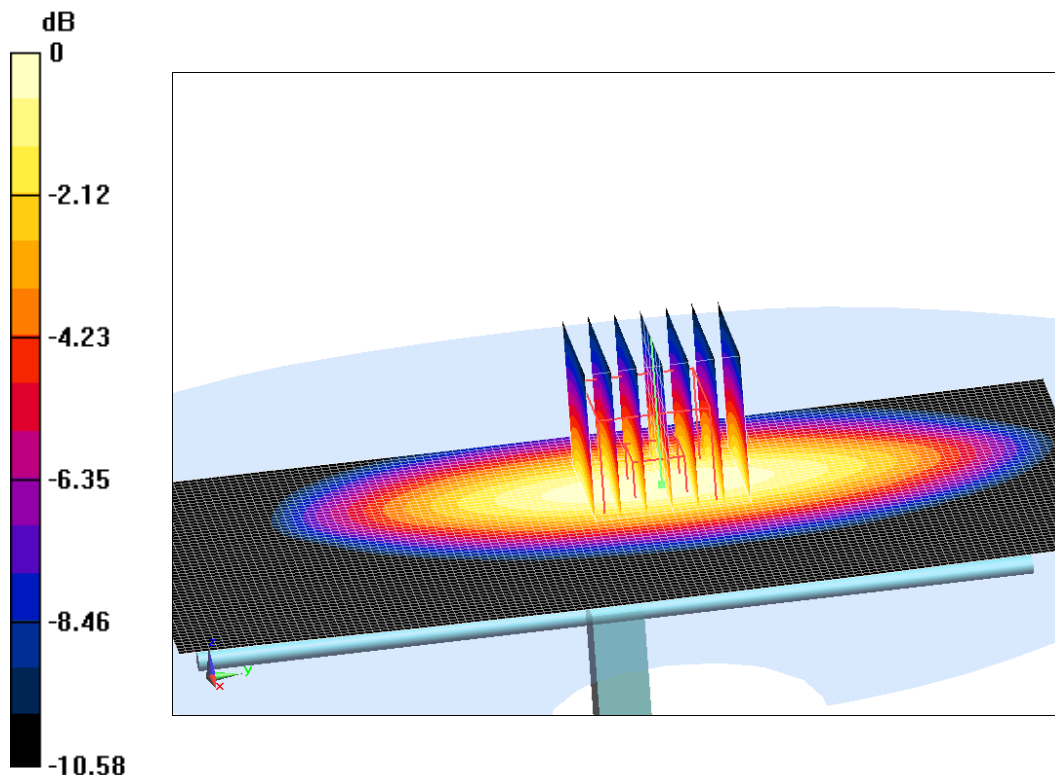
System Validation /Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 62.83 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 3.66 W/kg

SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.55 W/kg

Maximum value of SAR (measured) = 3.27 W/kg



0 dB = 3.27 W/kg = 5.15 dB W/kg

Fig.B.2 validation 835 MHz 250mW

1750 MHz

Date: 12/12/2020

Electronics: DAE4 Sn777

Medium: Head 1750 MHz

Medium parameters used: $f = 1750 \text{ MHz}$; $\sigma = 1.354 \text{ mho/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.5°C Liquid Temperature: 22.3°C

Communication System: CW Frequency: 1750 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3617 ConvF(8.41,8.41,8.41)

System Validation /Area Scan (81x191x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 106.22 V/m; Power Drift = 0.01

Fast SAR: SAR(1 g) = 9.29 W/kg; SAR(10 g) = 4.87 W/kg

Maximum value of SAR (interpolated) = 13.78 W/kg

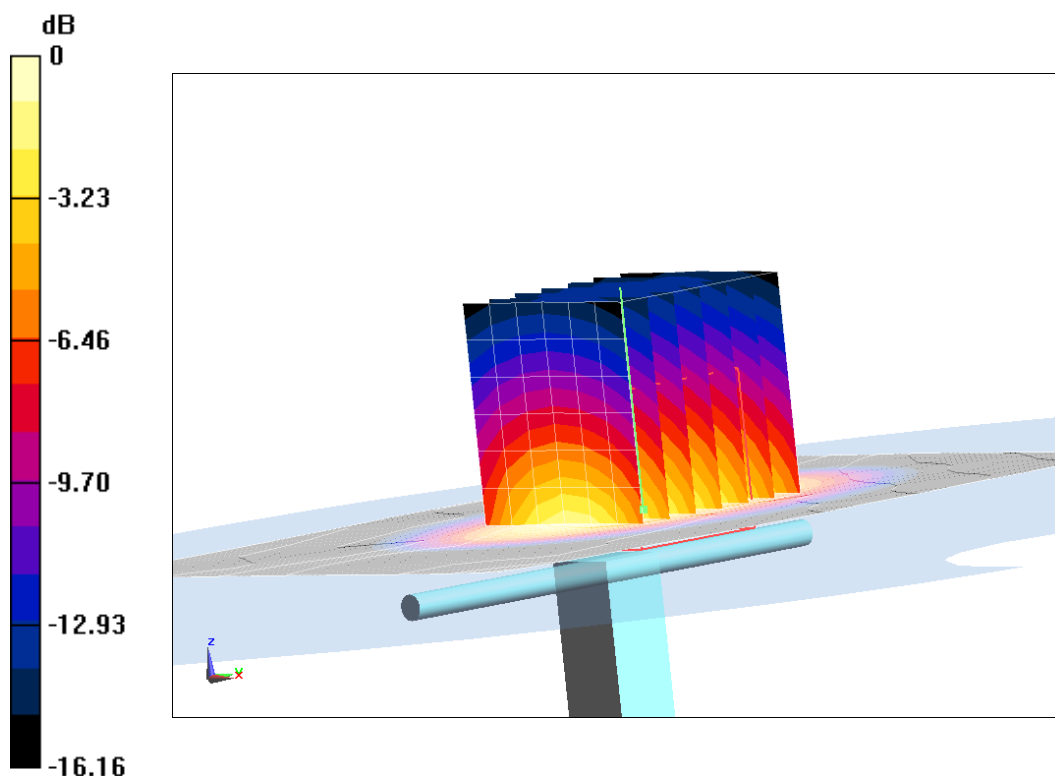
System Validation /Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value =106.22 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 16.83 W/kg

SAR(1 g) = 9.09 W/kg; SAR(10 g) = 4.87 W/kg

Maximum value of SAR (measured) = 13.92 W/kg



0 dB = 13.92 W/kg = 11.44 dB W/kg

Fig.B.3 validation 1750 MHz 250mW