

Table 14.18: SAR Values (LTE Band 2 - Body)

Frequency		Ambient Temperature: 22.4°C		Liquid Temperature: 22.0°C					
MHz	Ch.	Test Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Hotspot Test Data (10mm)									
1860	18700	1RB_Mid	Front	/	18.52	19	0.612	0.68	0.03
1860	18700	50RB_Mid	Front	/	18.50	19	0.617	0.69	0.06
1860	18700	1RB_Mid	Rear	/	18.52	19	0.487	0.54	0.10
1860	18700	50RB_Mid	Rear	/	18.50	19	0.498	0.56	0.03
1860	18700	1RB_Mid	Left	/	18.52	19	0.005	0.01	0.07
1860	18700	50RB_Mid	Left	/	18.50	19	0.010	0.01	0.09
1860	18700	1RB_Mid	Right	/	18.52	19	0.165	0.18	0.01
1860	18700	50RB_Mid	Right	/	18.50	19	0.159	0.18	0.17
1860	18700	1RB_Mid	Bottom	/	18.52	19	0.708	0.79	0.04
1860	18700	50RB_Mid	Bottom	/	18.50	19	0.703	0.79	-0.10
Body-Worn Test Data (15mm)									
1860	18700	1RB_Mid	Front	Fig.18	22.49	23.5	0.899	1.13	0.07
1860	18700	50RB_Mid	Front	/	21.53	22.5	0.729	0.91	0.07
1860	18700	1RB_Mid	Rear	/	22.49	23.5	0.571	0.72	0.09
1860	18700	50RB_Mid	Rear	/	21.53	22.5	0.459	0.57	0.06
1900	19100	1RB_Mid	Front	/	22.44	23.5	0.822	1.05	0.04
1880	18900	1RB_Mid	Front	/	22.47	23.5	0.887	1.12	0.02
1900	19100	50RB_Low	Front	/	21.48	22.5	0.678	0.86	0.08
1880	18900	50RB_Low	Front	/	21.52	22.5	0.703	0.88	0.11
1880	18900	100RB	Front	/	21.45	22.5	0.553	0.70	0.05
The worst case with B2									
1860	18700	1RB_Mid	Front	/	22.49	23.5	0.872	1.10	0.03

Table 14.19: SAR Values (LTE Band 4 - Head)

Ambient Temperature: 22.9°C					Liquid Temperature: 22.4°C				
Frequency		Test Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.								
1745	20300	1RB_Mid	Left Touch	/	23.65	24.5	0.170	0.21	0.09
1745	20300	50RB_Mid	Left Touch	/	22.71	23.5	0.114	0.14	0.10
1745	20300	1RB_Mid	Left Tilt	/	23.65	24.5	0.091	0.11	0.02
1745	20300	50RB_Mid	Left Tilt	/	22.71	23.5	0.071	0.09	0.04
1745	20300	1RB_Mid	Right Touch	Fig.19	23.65	24.5	0.276	0.34	0.04
1745	20300	50RB_Mid	Right Touch	/	22.71	23.5	0.214	0.26	0.13
1745	20300	1RB_Mid	Right Tilt	/	23.65	24.5	0.068	0.08	0.08
1745	20300	50RB_Mid	Right Tilt	/	22.71	23.5	0.516	0.62	0.06
The worst case with B2									
1745	20300	1RB_Mid	Right Touch	/	23.65	24.5	0.268	0.33	0.05

Table 14.20: SAR Values (LTE Band 4 - Body)

Ambient Temperature: 22.6°C					Liquid Temperature: 22.1°C				
Frequency		Test Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.								
Hotspot Test Data (10mm)									
1720	20050	1RB_Mid	Front	/	19.21	20	0.450	0.54	0.04
1720	20050	50RB_Low	Front	/	19.21	20	0.435	0.52	0.09
1720	20050	1RB_Mid	Rear	/	19.21	20	0.260	0.31	0.08
1720	20050	50RB_Low	Rear	/	19.21	20	0.250	0.30	0.10
1720	20050	1RB_Mid	Left	/	19.21	20	0.022	0.03	0.06
1720	20050	50RB_Low	Left	/	19.21	20	0.021	0.03	0.05
1720	20050	1RB_Mid	Right	/	19.21	20	0.053	0.06	0.09
1720	20050	50RB_Low	Right	/	19.21	20	0.050	0.06	0.04
1720	20050	1RB_Mid	Bottom	/	19.21	20	0.485	0.58	-0.06
1720	20050	50RB_Low	Bottom	/	19.21	20	0.482	0.58	-0.03
Body-Worn Test Data (15mm)									
1745	20300	1RB_Mid	Front	/	23.65	24.5	0.493	0.60	0.06
1745	20300	50RB_Mid	Front	/	22.71	23.5	0.396	0.48	0.11
1745	20300	1RB_Mid	Rear	/	23.65	24.5	0.386	0.47	0.04
1745	20300	50RB_Mid	Rear	/	22.71	23.5	0.310	0.37	0.05
The worst case with B2									
1745	20300	1RB_Mid	Front	Fig.20	23.65	24.5	0.505	0.61	0.09

Table 14.21: SAR Values (LTE Band 5 - Head)

Ambient Temperature: 22.5°C					Liquid Temperature: 22.0°C				
Frequency		Test Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.								
844	20600	1RB_Mid	Left Touch	/	23.33	24	0.255	0.30	0.07
844	20600	25RB_Low	Left Touch	/	22.40	23	0.219	0.25	0.02
844	20600	1RB_Mid	Left Tilt	/	23.33	24	0.138	0.16	0.13
844	20600	25RB_Low	Left Tilt	/	22.40	23	0.121	0.14	0.10
844	20600	1RB_Mid	Right Touch	Fig.21	23.33	24	0.264	0.31	0.14
844	20600	25RB_Low	Right Touch	/	22.40	23	0.222	0.25	0.08
844	20600	1RB_Mid	Right Tilt	/	23.33	24	0.161	0.19	0.11
844	20600	25RB_Low	Right Tilt	/	22.40	23	0.141	0.16	0.03
The worst case with B2									
844	20600	1RB_Mid	Right Touch	/	23.33	24	0.254	0.30	0.11

Table 14.22: SAR Values (LTE Band 5 - Body)

Ambient Temperature: 22.8°C					Liquid Temperature: 22.2°C				
Frequency		Test Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.								
Hotspot / Body-Worn Test Data (10mm)									
844	20600	1RB_Mid	Front	/	23.33	24	0.218	0.25	-0.02
844	20600	25RB_Low	Front	/	22.40	23	0.192	0.22	0.02
844	20600	1RB_Mid	Rear	Fig.22	23.33	24	0.305	0.36	0.03
844	20600	25RB_Low	Rear	/	22.40	23	0.246	0.28	0.02
844	20600	1RB_Mid	Left	/	23.33	24	0.041	0.05	0.11
844	20600	25RB_Low	Left	/	22.40	23	0.032	0.04	0.02
844	20600	1RB_Mid	Right	/	23.33	24	0.246	0.29	-0.03
844	20600	25RB_Low	Right	/	22.40	23	0.190	0.22	0.02
844	20600	1RB_Mid	Bottom	/	23.33	24	0.159	0.19	-0.03
844	20600	25RB_Low	Bottom	/	22.40	23	0.138	0.16	-0.06
The worst case with B2									
844	20600	1RB_Mid	Rear	/	23.33	24	0.293	0.34	0.09

Table 14.23: SAR Values (LTE Band 12 - Head)

Ambient Temperature: 22.5°C					Liquid Temperature: 22.0°C				
Frequency		Test Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.								
711	23130	1RB_Mid	Left Touch	Fig.23	23.40	24	0.209	0.24	0.04
711	23130	25RB_Low	Left Touch	/	22.48	23	0.164	0.18	-0.06
711	23130	1RB_Mid	Left Tilt	/	23.40	24	0.122	0.14	0.14
711	23130	25RB_Low	Left Tilt	/	22.48	23	0.096	0.11	0.02
711	23130	1RB_Mid	Right Touch	/	23.40	24	0.207	0.24	0.04
711	23130	25RB_Low	Right Touch	/	22.48	23	0.161	0.18	0.08
711	23130	1RB_Mid	Right Tilt	/	23.40	24	0.122	0.14	0.01
711	23130	25RB_Low	Right Tilt	/	22.48	23	0.096	0.11	0.07
The worst case with B2									
711	23130	1RB_Mid	Left Touch	/	23.40	24	0.197	0.23	0.06

Table 14.24: SAR Values (LTE Band 12 - Body)

Ambient Temperature: 22.8°C					Liquid Temperature: 22.2°C				
Frequency		Test Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.								
Hotspot / Body-Worn Test Data (10mm)									
711	23130	1RB_Mid	Front	/	23.40	24	0.205	0.24	0.04
711	23130	25RB_Low	Front	/	22.48	23	0.162	0.18	0.07
711	23130	1RB_Mid	Rear	Fig.24	23.40	24	0.245	0.28	0.04
711	23130	25RB_Low	Rear	/	22.48	23	0.191	0.22	0.04
711	23130	1RB_Mid	Left	/	23.40	24	0.034	0.04	0.02
711	23130	25RB_Low	Left	/	22.48	23	0.032	0.04	0.07
711	23130	1RB_Mid	Right	/	23.40	24	0.099	0.11	0.04
711	23130	25RB_Low	Right	/	22.48	23	0.078	0.09	0.07
711	23130	1RB_Mid	Bottom	/	23.40	24	0.112	0.13	-0.07
711	23130	25RB_Low	Bottom	/	22.48	23	0.087	0.10	-0.06
The worst case with B2									
711	23130	1RB_Mid	Rear	/	23.40	24	0.235	0.27	0.08

Table 14.25: SAR Values (LTE Band 13 - Head)

Ambient Temperature: 22.5°C					Liquid Temperature: 22.0°C				
Frequency		Test Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.								
782	23230	1RB_Mid	Left Touch	/	23.05	24	0.180	0.22	0.04
782	23230	25RB_Mid	Left Touch	/	22.10	23	0.148	0.18	0.09
782	23230	1RB_Mid	Left Tilt	/	23.05	24	0.139	0.17	0.04
782	23230	25RB_Mid	Left Tilt	/	22.10	23	0.111	0.14	0.04
782	23230	1RB_Mid	Right Touch	/	23.05	24	0.192	0.24	0.02
782	23230	25RB_Mid	Right Touch	/	22.10	23	0.153	0.19	0.06
782	23230	1RB_Mid	Right Tilt	/	23.05	24	0.122	0.15	0.07
782	23230	25RB_Mid	Right Tilt	/	22.10	23	0.095	0.12	0.04
The worst case with B2									
782	23230	1RB_Mid	Right Touch	Fig.25	23.05	24	0.198	0.25	0.03

Table 14.26: SAR Values (LTE Band 13 - Body)

Ambient Temperature: 22.8°C					Liquid Temperature: 22.2°C				
Frequency		Test Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.								
Hotspot / Body-Worn Test Data (10mm)									
782	23230	1RB_Mid	Front	/	23.05	24	0.170	0.21	0.02
782	23230	25RB_Mid	Front	/	22.10	23	0.138	0.17	0.06
782	23230	1RB_Mid	Rear	Fig.26	23.05	24	0.201	0.25	0.01
782	23230	25RB_Mid	Rear	/	22.10	23	0.157	0.19	0.02
782	23230	1RB_Mid	Left	/	23.05	24	0.035	0.04	0.04
782	23230	25RB_Mid	Left	/	22.10	23	0.021	0.03	0.12
782	23230	1RB_Mid	Right	/	23.05	24	0.102	0.13	0.04
782	23230	25RB_Mid	Right	/	22.10	23	0.083	0.10	0.06
782	23230	1RB_Mid	Bottom	/	23.05	24	0.129	0.16	-0.07
782	23230	25RB_Mid	Bottom	/	22.10	23	0.102	0.13	-0.11
The worst case with B2									
782	23230	1RB_Mid	Rear	/	23.05	24	0.185	0.23	0.02

Table 14.27: SAR Values (LTE Band 25 - Head)

Ambient Temperature: 22.5°C					Liquid Temperature: 22.0°C				
Frequency		Test Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.								
1860	26140	1RB_Mid	Left Touch	/	22.48	23.5	0.287	0.36	0.03
1860	26140	50RB_Mid	Left Touch	/	21.51	22.5	0.232	0.29	0.09
1860	26140	1RB_Mid	Left Tilt	/	22.48	23.5	0.155	0.20	0.02
1860	26140	50RB_Mid	Left Tilt	/	21.51	22.5	0.133	0.17	0.04
1860	26140	1RB_Mid	Right Touch	/	22.48	23.5	0.542	0.69	0.12
1860	26140	50RB_Mid	Right Touch	/	21.51	22.5	0.422	0.53	0.05
1860	26140	1RB_Mid	Right Tilt	/	22.48	23.5	0.126	0.16	0.05
1860	26140	50RB_Mid	Right Tilt	/	21.51	22.5	0.096	0.12	0.10
The worst case with B2									
1860	26140	1RB_Mid	Right Touch	Fig.27	22.48	23.5	0.549	0.69	0.10

Table 14.28: SAR Values (LTE Band 25 - Body)

Ambient Temperature: 22.8°C					Liquid Temperature: 22.2°C				
Frequency		Test Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.								
Hotspot Test Data (10mm)									
1860	26140	1RB_Mid	Front	/	18.46	19	0.600	0.68	0.08
1860	26140	50RB_Mid	Front	/	18.46	19	0.629	0.71	0.05
1860	26140	1RB_Mid	Rear	/	18.46	19	0.493	0.56	0.13
1860	26140	50RB_Mid	Rear	/	18.46	19	0.496	0.56	0.07
1860	26140	1RB_Mid	Left	/	18.46	19	0.005	0.01	0.04
1860	26140	50RB_Mid	Left	/	18.46	19	0.007	0.01	0.09
1860	26140	1RB_Mid	Right	/	18.46	19	0.143	0.16	0.07
1860	26140	50RB_Mid	Right	/	18.46	19	0.143	0.16	0.05
1860	26140	1RB_Mid	Bottom	/	18.46	19	0.698	0.79	-0.07
1860	26140	50RB_Mid	Bottom	/	18.46	19	0.703	0.80	-0.05
Body-Worn Test Data (15mm)									
1860	26140	1RB_Mid	Front	Fig.28	22.48	23.5	1.010	1.28	0.01
1860	26140	50RB_Mid	Front	/	21.51	22.5	0.691	0.87	0.04
1860	26140	1RB_Mid	Rear	/	22.48	23.5	0.576	0.73	0.05
1860	26140	50RB_Mid	Rear	/	21.51	22.5	0.463	0.58	0.05
1905	26590	1RB_Mid	Front	/	22.42	23.5	0.789	1.01	0.09
1882.5	26365	1RB_Mid	Front	/	22.44	23.5	0.912	1.16	0.10
1905	26590	50RB_Low	Front	/	21.44	22.5	0.588	0.75	0.03
1882.5	26365	50RB_Mid	Front	/	21.46	22.5	0.649	0.82	0.11
1860	26140	100RB	Front	/	21.42	22.5	0.594	0.76	0.12
The worst case with Headset									
1860	26140	1RB_Mid	Front	/	22.48	23.5	0.996	1.26	0.02
The worst case with B2									
1860	26140	1RB_Mid	Front	/	22.48	23.5	0.993	1.26	0.06

Table 14.29: SAR Values (LTE Band 26 - Head)

Ambient Temperature: 22.5°C					Liquid Temperature: 22.0°C				
Frequency		Test Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.								
841.5	26965	1RB_Mid	Left Touch	/	22.90	24	0.280	0.36	0.03
841.5	26965	36RB_Low	Left Touch	/	21.93	23	0.220	0.28	-0.08
841.5	26965	1RB_High	Left Tilt	/	22.90	24	0.190	0.24	0.11
841.5	26965	36RB_Low	Left Tilt	/	21.93	23	0.146	0.19	0.10
841.5	26965	1RB_High	Right Touch	Fig.29	22.90	24	0.288	0.37	0.05
841.5	26965	36RB_Low	Right Touch	/	21.93	23	0.222	0.28	0.01
841.5	26965	1RB_High	Right Tilt	/	22.90	24	0.179	0.23	0.12
841.5	26965	36RB_Low	Right Tilt	/	21.93	23	0.133	0.17	0.10
The worst case with B2									
841.5	26965	1RB_High	Right Touch	/	22.90	24	0.276	0.36	0.08

Table 14.30: SAR Values (LTE Band 26 - Body)

Ambient Temperature: 22.8°C					Liquid Temperature: 22.2°C				
Frequency		Test Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.								
Hotspot / Body-Worn Test Data (10mm)									
841.5	26965	1RB_Mid	Front	/	22.90	24	0.211	0.27	0.03
841.5	26965	36RB_Low	Front	/	21.93	23	0.174	0.22	0.02
841.5	26965	1RB_Mid	Rear	Fig.30	22.90	24	0.295	0.38	0.04
841.5	26965	36RB_Low	Rear	/	21.93	23	0.233	0.30	0.04
841.5	26965	1RB_Mid	Left	/	22.90	24	0.048	0.06	0.10
841.5	26965	36RB_Low	Left	/	21.93	23	0.038	0.05	0.11
841.5	26965	1RB_Mid	Right	/	22.90	24	0.244	0.31	0.01
841.5	26965	36RB_Low	Right	/	21.93	23	0.201	0.26	0.04
841.5	26965	1RB_Mid	Bottom	/	22.90	24	0.161	0.21	-0.06
841.5	26965	36RB_Low	Bottom	/	21.93	23	0.122	0.16	-0.06
The worst case with B2									
841.5	26965	1RB_Mid	Rear	/	22.90	24	0.281	0.36	0.05

Table 14.31: SAR Values (LTE Band 41 - Head)

Ambient Temperature: 22.5°C					Liquid Temperature: 22.0°C				
Frequency		Test Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.								
2506	39750	1RB_Mid	Left Touch	/	23.12	24	0.123	0.15	0.12
2506	39750	50RB_Mid	Left Touch	/	22.08	23	0.116	0.14	0.08
2506	39750	1RB_Mid	Left Tilt	/	23.12	24	0.032	0.04	0.11
2506	39750	50RB_Mid	Left Tilt	/	22.08	23	0.028	0.03	0.02
2506	39750	1RB_Mid	Right Touch	/	23.12	24	0.074	0.09	0.06
2506	39750	50RB_Mid	Right Touch	/	22.08	23	0.066	0.08	0.11
2506	39750	1RB_Mid	Right Tilt	/	23.12	24	0.046	0.06	0.03
2506	39750	50RB_Mid	Right Tilt	/	22.08	23	0.041	0.05	0.02
The worst case with CA									
2506	39750	1RB_Mid	Left Touch	/	23.02	24	0.118	0.15	0.06
The worst case with PC2									
2506	39750	1RB_Mid	Left Touch	Fig.31	25.91	26.5	0.148	0.17	0.06
The worst case with B2									
2506	39750	1RB_Mid	Left Touch	/	23.12	24	0.116	0.14	0.08

Note: Per **TCB workshop May 2017** Guidance, all SAR tests were performed using power class 3. SAR with power class 2 at the available duty factor was additionally performed for the power class 3 configurations with the highest SAR configuration for each exposure conditions. Please see **ANNEX G** for linearity results.

Table 14.32: SAR Values (LTE Band 41 - Body)

Frequency		Ambient Temperature: 22.8°C		Liquid Temperature: 22.2°C					
MHz	Ch.	Test Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Hotspot Test Data (10mm)									
2506	39750	1RB_Mid	Front	/	20.11	21	0.068	0.08	0.06
2506	39750	50RB_Mid	Front	/	19.99	21	0.061	0.08	0.12
2506	39750	1RB_Mid	Rear	/	20.11	21	0.078	0.10	0.09
2506	39750	50RB_Mid	Rear	/	19.99	21	0.074	0.09	0.14
2506	39750	1RB_Mid	Left	/	20.11	21	0.029	0.04	0.11
2506	39750	50RB_Mid	Left	/	19.99	21	0.027	0.03	0.07
2506	39750	1RB_Mid	Right	/	20.11	21	0.018	0.02	0.11
2506	39750	50RB_Mid	Right	/	19.99	21	0.016	0.02	0.10
2506	39750	1RB_Mid	Bottom	/	20.11	21	0.096	0.12	0.08
2506	39750	50RB_Mid	Bottom	/	19.99	21	0.091	0.11	0.05
Hotspot - The worst case with CA									
2506	39750	1RB_Mid	Bottom	/	20.06	21	0.088	0.11	0.02
Hotspot - The worst case with PC2									
2506	39750	50RB_Mid	Bottom	/	22.70	23.5	0.116	0.14	0.06
Body-Worn Test Data (15mm)									
2506	39750	1RB_Mid	Front	/	23.12	24	0.147	0.18	-0.11
2506	39750	50RB_Mid	Front	/	22.08	23	0.112	0.14	-0.14
2506	39750	1RB_Mid	Rear	/	23.12	24	0.198	0.24	0.06
2506	39750	50RB_Mid	Rear	/	22.08	23	0.147	0.18	0.04
Body-Worn - The worst case with CA									
2506	39750	1RB_Mid	Rear	/	23.02	24	0.183	0.23	0.04
Body-Worn - The worst case with PC2									
2506	39750	50RB_Mid	Rear	Fig.32	25.91	26.5	0.268	0.31	0.10
The worst case with B2									
2506	39750	1RB_Mid	Rear	/	23.12	24	0.175	0.21	0.09

Note: Per **TCB workshop May 2017** Guidance, all SAR tests were performed using power class 3. SAR with power class 2 at the available duty factor was additionally performed for the power class 3 configurations with the highest SAR configuration for each exposure conditions. Please see **ANNEX G** for linearity results.

Table 14.33: SAR Values (LTE Band 66 - Head)

Ambient Temperature: 22.2°C					Liquid Temperature: 21.7°C				
Frequency		Test Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.								
1770	132572	1RB_Mid	Left Touch	/	23.77	24.5	0.047	0.06	0.06
1770	132572	50RB_Mid	Left Touch	/	22.78	23.5	0.034	0.04	0.04
1770	132572	1RB_Mid	Left Tilt	/	23.77	24.5	0.019	0.02	0.09
1770	132572	50RB_Mid	Left Tilt	/	22.78	23.5	0.016	0.02	0.06
1770	132572	1RB_Mid	Right Touch	Fig.33	23.77	24.5	0.081	0.10	0.06
1770	132572	50RB_Mid	Right Touch	/	22.78	23.5	0.062	0.07	0.11
1770	132572	1RB_Mid	Right Tilt	/	23.77	24.5	0.012	0.01	0.07
1770	132572	50RB_Mid	Right Tilt	/	22.78	23.5	0.008	0.01	0.05
The worst case with B2									
1770	132572	1RB_Mid	Right Touch	/	23.77	24.5	0.072	0.09	0.10

Table 14.34: SAR Values (LTE Band 66 - Body)

Ambient Temperature: 22.2°C					Liquid Temperature: 21.7°C				
Frequency		Test Mode	Test Position	Figure No. / Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.								
Hotspot Test Data (10mm)									
1770	132572	1RB_Mid	Front	/	19.30	20	0.587	0.69	0.07
1770	132572	50RB_Mid	Front	/	19.23	20	0.506	0.60	0.10
1770	132572	1RB_Mid	Rear	/	19.30	20	0.344	0.40	0.02
1770	132572	50RB_Mid	Rear	/	19.23	20	0.335	0.40	0.09
1770	132572	1RB_Mid	Left	/	19.30	20	0.011	0.01	0.03
1770	132572	50RB_Mid	Left	/	19.23	20	0.100	0.12	0.04
1770	132572	1RB_Mid	Right	/	19.30	20	0.144	0.17	0.06
1770	132572	50RB_Mid	Right	/	19.23	20	0.138	0.16	-0.03
1770	132572	1RB_Mid	Bottom	Fig.34	19.30	20	0.618	0.73	-0.03
1770	132572	50RB_Mid	Bottom	/	19.23	20	0.609	0.73	-0.04
Body-Worn Test Data (15mm)									
1770	132572	1RB_Mid	Front	/	23.77	24.5	0.609	0.72	0.13
1770	132572	50RB_Low	Front	/	22.78	23.5	0.486	0.57	0.09
1770	132572	1RB_Mid	Rear	/	23.77	24.5	0.486	0.57	0.02
1770	132572	50RB_Low	Rear	/	22.78	23.5	0.389	0.46	0.07
The worst case with B2									
1770	132572	1RB_Mid	Bottom	/	19.30	20	0.613	0.72	0.11

Table 14.35: SAR Values (LTE Band 71 - Head)

Ambient Temperature: 22.2°C					Liquid Temperature: 21.7°C				
Frequency		Test Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.								
673	133222	1RB_Mid	Left Touch	Fig.35	23.25	24	0.032	0.04	0.08
673	133222	50RB_Mid	Left Touch	/	22.16	23	0.023	0.03	0.09
673	133222	1RB_Mid	Left Tilt	/	23.25	24	0.016	0.02	0.12
673	133222	50RB_Mid	Left Tilt	/	22.16	23	0.012	0.01	0.07
673	133222	1RB_Mid	Right Touch	/	23.25	24	0.031	0.04	0.10
673	133222	50RB_Mid	Right Touch	/	22.16	23	0.023	0.03	0.09
673	133222	1RB_Mid	Right Tilt	/	23.25	24	0.018	0.02	0.08
673	133222	50RB_Mid	Right Tilt	/	22.16	23	0.013	0.02	0.11
The worst case with B2									
673	133222	1RB_Mid	Left Touch	/	23.25	24	0.029	0.03	0.05

Table 14.36: SAR Values (LTE Band 71 - Body)

Ambient Temperature: 22.2°C					Liquid Temperature: 21.7°C				
Frequency		Test Mode	Test Position	Figure No. / Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.								
Hotspot / Body-Worn Test Data (10mm)									
673	133222	1RB_Mid	Front	/	23.25	24	0.042	0.05	0.05
673	133222	50RB_Mid	Front	/	22.16	23	0.027	0.03	0.06
673	133222	1RB_Mid	Rear	/	23.25	24	0.035	0.04	0.13
673	133222	50RB_Mid	Rear	/	22.16	23	0.024	0.03	0.07
673	133222	1RB_Mid	Left	/	23.25	24	0.014	0.02	0.02
673	133222	50RB_Mid	Left	/	22.16	23	0.010	0.01	0.10
673	133222	1RB_Mid	Right	/	23.25	24	0.038	0.05	0.09
673	133222	50RB_Mid	Right	/	22.16	23	0.029	0.04	0.12
673	133222	1RB_Mid	Bottom	/	23.25	24	0.027	0.03	0.03
673	133222	50RB_Mid	Bottom	/	22.16	23	0.018	0.02	0.01
The worst case with B2									
673	133222	1RB_Mid	Front	Fig.36	23.25	24	0.045	0.05	0.08

14.2 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.

Table 14.37: SAR Values (WLAN 2.4G - Head)

Ambient Temperature: 22.6°C					Liquid Temperature: 22.0°C				
Frequency		Test Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.								
2462	11	802.11 b	Left Touch	/	15.61	16	0.737	0.81	0.02
2462	11	802.11 b	Left Tilt	/	15.61	16	0.570	0.62	0.09
2462	11	802.11 b	Right Touch	/	15.61	16	0.458	0.50	0.03
2462	11	802.11 b	Right Tilt	/	15.61	16	0.595	0.65	0.04
2437	6	802.11 b	Left Touch	Fig.37	15.55	16	0.879	0.97	-0.05
The worst case with B2									
2437	6	802.11 b	Left Touch		15.55	16	0.855	0.95	0.12

Note1: 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.

Table 14.38: SAR Values (WLAN - Head) – 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					
2437	6	Left Touch	100%	100%	0.97	0.97

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

Table 14.39: SAR Values (WLAN 2.4G - Body)

Ambient Temperature: 22.6°C					Liquid Temperature: 22.0°C				
Frequency		Test Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
MHz	Ch.								
Test Data (10mm)									
2462	11	802.11 b	Front	/	15.61	16	0.157	0.17	0.08
2462	11	802.11 b	Rear	/	15.61	16	0.162	0.18	0.09
2462	11	802.11 b	Left	/	15.61	16	0.054	0.06	0.10
2462	11	802.11 b	Right	/	15.61	16	0.054	0.06	0.09
2462	11	802.11 b	Top	Fig.38	15.61	16	0.205	0.22	0.04
Test Data (15mm)									
2462	11	802.11 b	Front	/	15.61	16	0.085	0.09	0.03
2462	11	802.11 b	Rear	/	15.61	16	0.098	0.11	0.01
The worst case with B2									
2462	11	802.11 b	Top	/	15.61	16	0.186	0.20	0.06

Note1: 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..

Table 14.40: SAR Values (WLAN - Body) – 802.11b (Scaled Reported SAR)

Ambient Temperature: 22.6°C					Liquid Temperature: 22.0°C	
Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
MHz	Ch.					
2462	11	Top	100%	100%	0.22	0.22

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

15 SAR Measurement Variability

SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium.

The following procedures are applied to determine if repeated measurements are required.

- 1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

Table 15.1: SAR Measurement Variability for Body – GSM1900

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
MHz	Ch.		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
1880	661	Front	1.19	1.16	1.03	/

Table 15.2: SAR Measurement Variability for Body – CDMA BC1

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
MHz	Ch.		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
1880	600	Front	0.921	0.915	1.01	/

Table 15.3: SAR Measurement Variability for Body – WCDMA 1900

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
MHz	Ch.		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
1880	9400	Front	1.12	1.08	1.04	/

Table 15.4: SAR Measurement Variability for Body – LTE Band 2

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
MHz	Ch.		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
1860	18700	Front	0.899	0.893	1.01	/

Table 15.5: SAR Measurement Variability for Body – LTE Band 25

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
MHz	Ch.		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
1860	26140	Front	1.01	0.991	1.02	/

Table 15.6: SAR Measurement Variability for Head – WIFI

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
MHz	Ch.		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
2437	6	Left Cheek	0.879	0.868	1.01	/

16 Measurement Uncertainty

16.1 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	12	N	2	1	1	6.0	6.0	∞
2	Isotropy	B	7.4	R	$\sqrt{3}$	1	1	4.3	4.3	∞
3	Boundary effect	B	1.1	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	1.0	N	1	1	1	1.0	1.0	∞
7	Response time	B	0.0	R	$\sqrt{3}$	1	1	0.0	0.0	∞
8	Integration time	B	1.7	R	$\sqrt{3}$	1	1	1.0	1.0	∞
9	RF ambient conditions-noise	B	3.0	R	$\sqrt{3}$	1	1	1.7	1.7	∞
10	RF ambient conditions-reflection	B	3.0	R	$\sqrt{3}$	1	1	1.7	1.7	∞
11	Probe positioned mech. restrictions	B	0.35	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	5
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	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
18	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞
19	Liquid conductivity (meas.)	A	1.3	N	1	0.64	0.43	0.83	0.56	9
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	0.96	0.78	9
Combined standard uncertainty		$u_c = \sqrt{\sum_{i=1}^{21} c_i^2 u_i^2}$						10.4	10.3	95.5
Expanded uncertainty (Confidence interval of 95 %)		$u_e = 2u_c$						20.8	20.6	

16.2 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	12	N	2	1	1	6.0	6.0	∞
2	Isotropy	B	7.4	R	$\sqrt{3}$	1	1	4.3	4.3	∞
3	Boundary effect	B	1.1	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	1.0	N	1	1	1	1.0	1.0	∞
7	Response time	B	0.0	R	$\sqrt{3}$	1	1	0.0	0.0	∞
8	Integration time	B	1.7	R	$\sqrt{3}$	1	1	1.0	1.0	∞
9	RF ambient conditions-noise	B	3.0	R	$\sqrt{3}$	1	1	1.7	1.7	∞
10	RF ambient conditions-reflection	B	3.0	R	$\sqrt{3}$	1	1	1.7	1.7	∞
11	Probe positioned mech. Restrictions	B	0.35	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	5
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	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
19	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞
20	Liquid conductivity (meas.)	A	1.3	N	1	0.64	0.43	0.83	0.56	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	0.96	0.78	521
Combined standard uncertainty		$u_c' = \sqrt{\sum_{i=1}^{22} c_i^2 u_i^2}$						11.1	11.0	257
Expanded uncertainty (Confidence interval of 95 %)		$u_e = 2u_c$						22.2	22.0	

17 Main Test Instruments

Table 17.1: List of Main Instruments

No.	Name	Type	Serial Number	Calibration Date	Valid Period
01	Network analyzer	Agilent E5071C	MY46103759	2018-11-16	One year
02	Dielectric probe	85070E	MY44300317	/	/
03	Power meter	E4418B	MY50000366	2018-12-14	One year
04	Power sensor	E9304A	MY50000188		
05	Power meter	NRP	101460	2019-02-04	One year
06	Power sensor	NRP-Z91	100553		
07	Signal Generator	E8257D	MY47461211	2019-06-03	One year
08	Amplifier	VTL5400	0404	/	/
09	E-field Probe	SPEAG EX3DV4	3633	2019-02-26	One year
10	DAE	SPEAG DAE4	786	2019-01-11	One year
11	Dipole Validation Kit	SPEAG D750V3	1163	2016-09-19	Three year
12	Dipole Validation Kit	SPEAG D835V2	4d057	2018-10-09	Three year
13	Dipole Validation Kit	SPEAG D1750V2	1152	2016-09-09	Three year
14	Dipole Validation Kit	SPEAG D1900V2	5d088	2018-10-24	Three year
15	Dipole Validation Kit	SPEAG D2450V2	873	2018-10-26	Three year
16	Dipole Validation Kit	SPEAG D2550V2	1058	2018-08-24	Three year
18	BTS	E5515C	GB46110722	2019-01-18	One year
17	Radio Communication Analyzer	Anristu MT8820C	6201341853	2019-03-07	One year
19	Radio Communication Analyzer	Anristu MT8821C	6201563766	2019-05-16	One year

END OF REPORT BODY

ANNEX A Graph Results

GSM850 Head

Date: 2019-5-30

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 40.429$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, GSM (0) Frequency: 836.6 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 – SN3633 ConvF (9.51, 9.51, 9.51);

Right Cheek Middle/Area Scan (61x101x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.426 W/kg

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

Reference Value = 6.957 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.545 W/kg

SAR(1 g) = 0.395 W/kg; SAR(10 g) = 0.284 W/kg

Maximum value of SAR (measured) = 0.471 W/kg

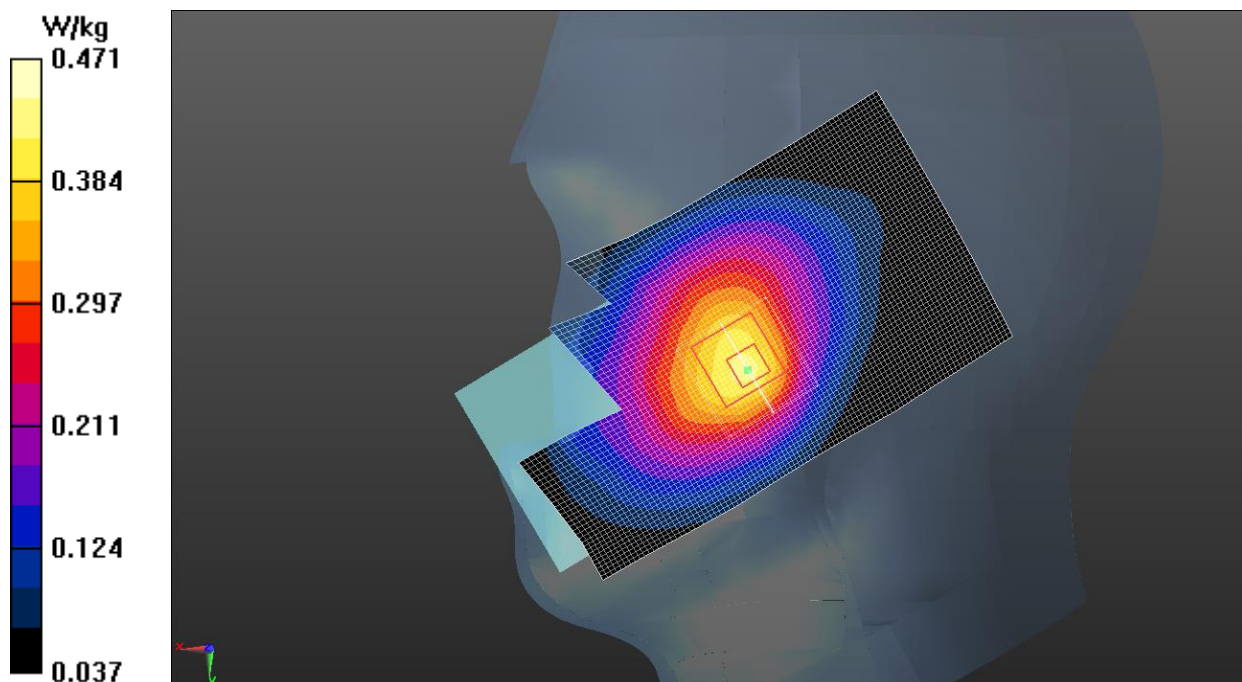


Fig.1 GSM 850

GSM850 Body

Date: 2019-5-30

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 40.429$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, GPRS 2Txslot (0) Frequency: 836.6 MHz Duty Cycle: 1:4

Probe: EX3DV4 – SN3633 ConvF (9.51, 9.51, 9.51);

Front Side Middle/Area Scan (61x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.677 W/kg

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

Reference Value = 24.85 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.763 W/kg

SAR(1 g) = 0.578 W/kg; SAR(10 g) = 0.426 W/kg

Maximum value of SAR (measured) = 0.680 W/kg

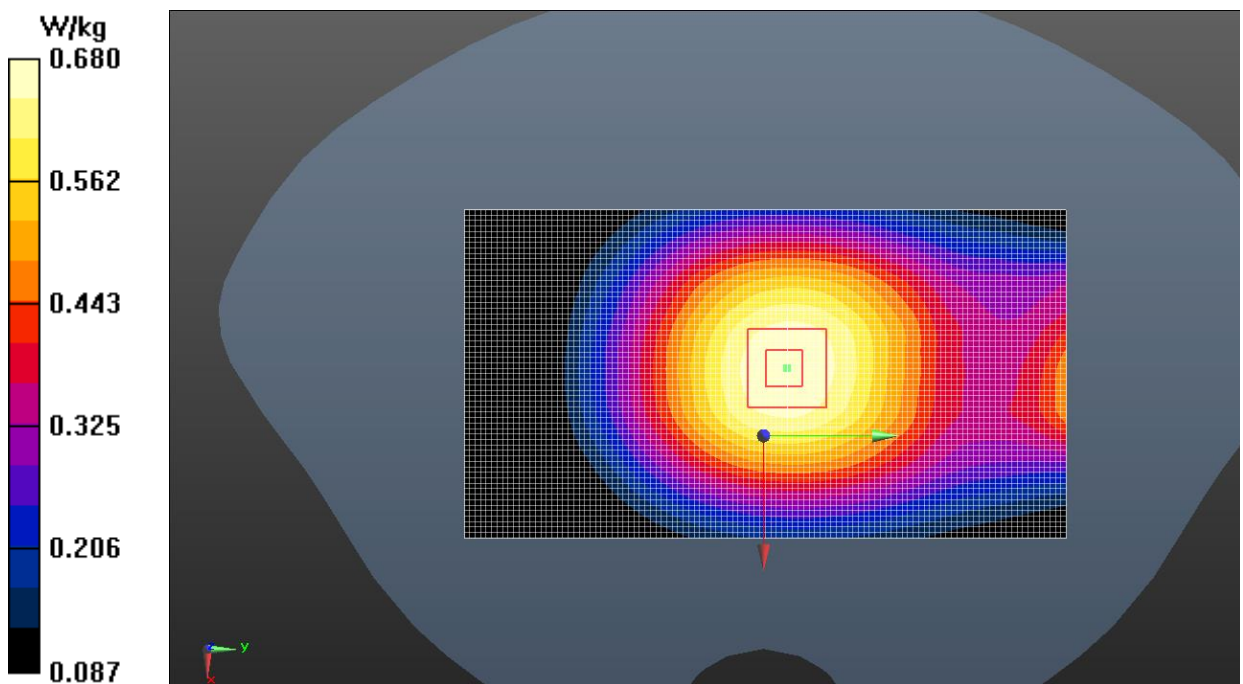


Fig.2 GSM 850

GSM1900 Head

Date: 2019-6-19

Electronics: DAE4 Sn786

Medium: Head 1900MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.363$ S/m; $\epsilon_r = 40.532$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, GSM (0) Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 – SN3633 ConvF (7.63, 7.63, 7.63);

Right Cheek Middle/Area Scan (61x101x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

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

Reference Value = 2.870 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.645 W/kg

SAR(1 g) = 0.396 W/kg; SAR(10 g) = 0.232 W/kg

Maximum value of SAR (measured) = 0.501 W/kg

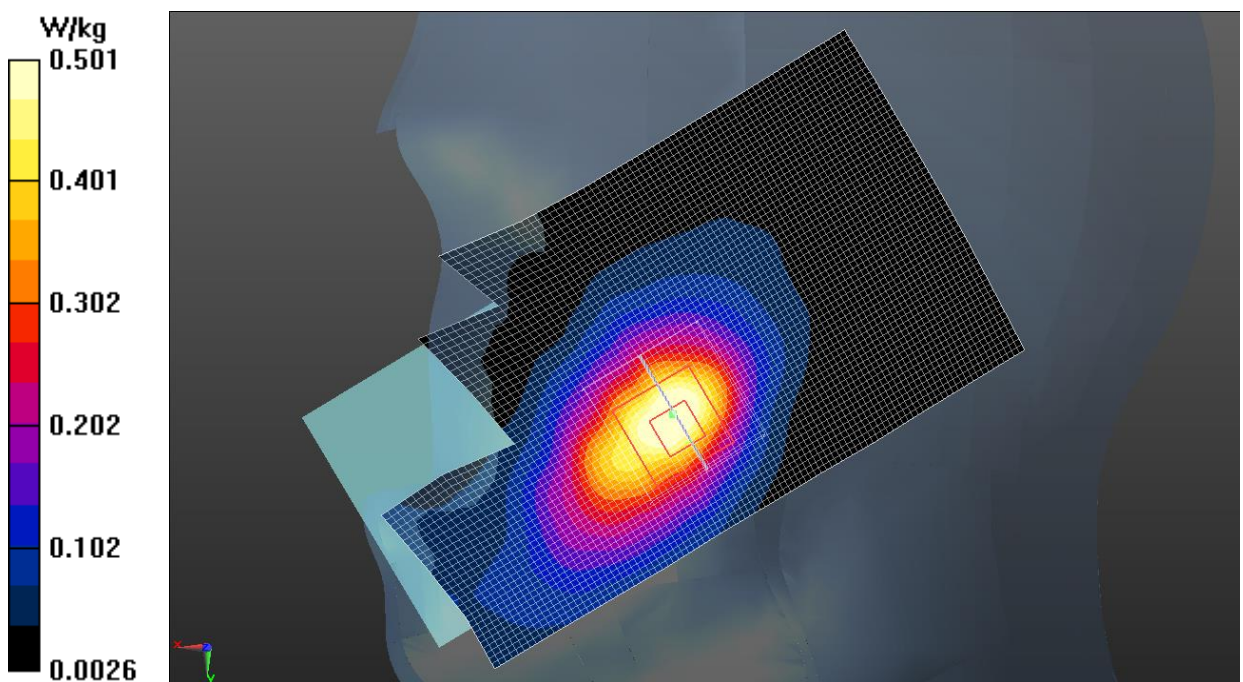


Fig.3 GSM 1900

GSM1900 Body

Date: 2019-6-19

Electronics: DAE4 Sn786

Medium: Head 1900MHz

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.363 \text{ S/m}$; $\epsilon_r = 40.532$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, GPRS 4Txslot (0) Frequency: 1880 MHz Duty Cycle: 1:2

Probe: EX3DV4 – SN3633 ConvF (7.63, 7.63, 7.63);

Front Side Middle/Area Scan (61x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.67 W/kg

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

Reference Value = 7.644 V/m ; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.15 W/kg

SAR(1 g) = 1.19 W/kg ; SAR(10 g) = 0.612 W/kg

Maximum value of SAR (measured) = 1.67 W/kg

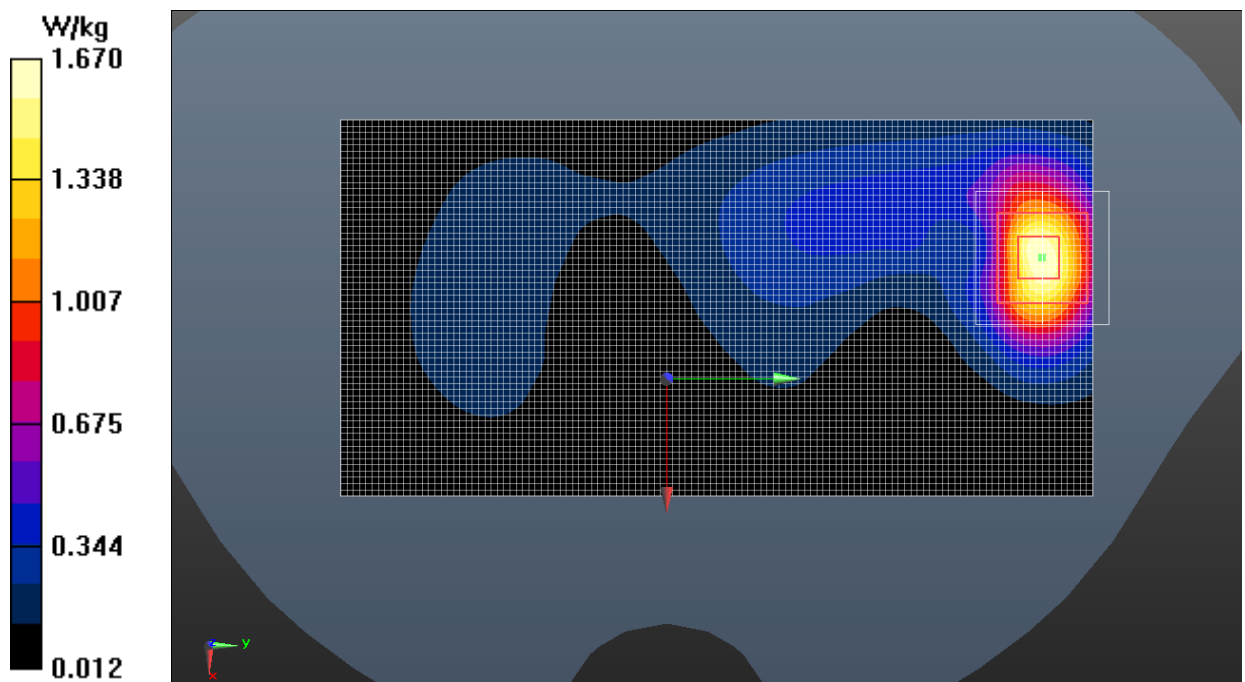


Fig.4 GSM 1900

CDMA BC0 Head

Date: 2019-5-30

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 40.43$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, CDMA (0) Frequency: 836.52 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.51, 9.51, 9.51);

Right Cheek Middle/Area Scan (61x101x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.341 W/kg

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

Reference Value = 6.042 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.416 W/kg

SAR(1 g) = 0.322 W/kg; SAR(10 g) = 0.239 W/kg

Maximum value of SAR (measured) = 0.371 W/kg

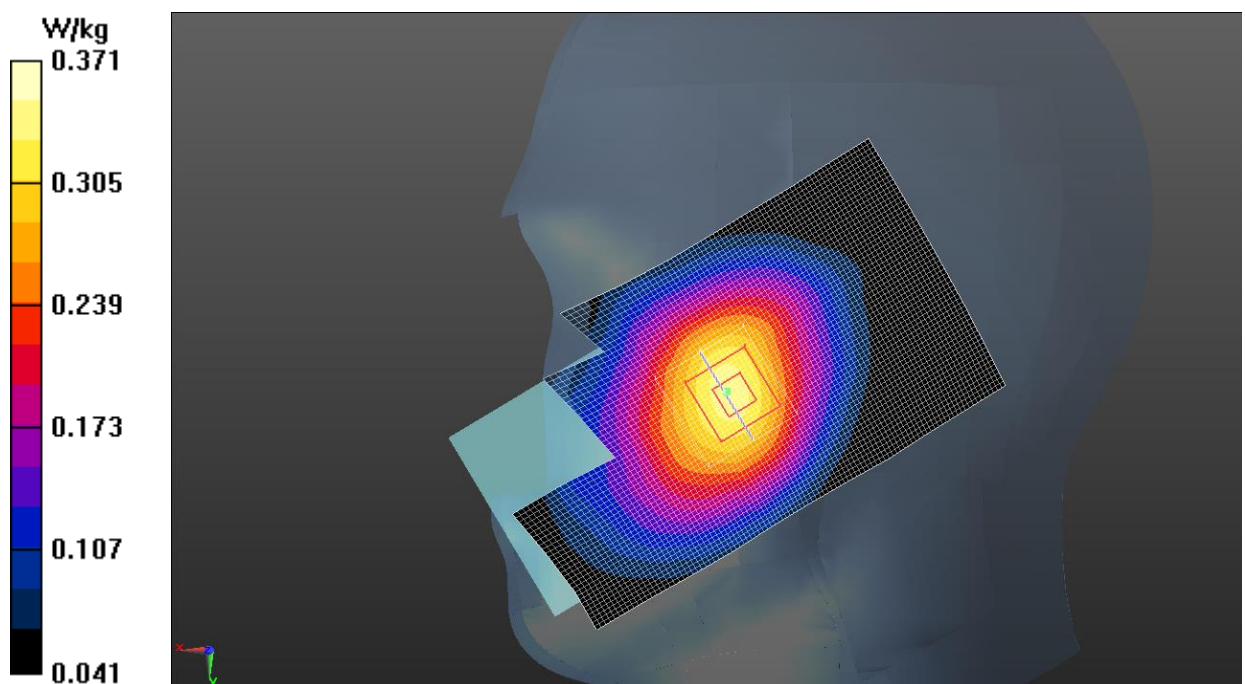


Fig.5 CDMA BC0

CDMA BC0 Body

Date: 2019-5-30

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 40.43$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, CDMA (0) Frequency: 836.52 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.51, 9.51, 9.51);

Front Side Middle/Area Scan (61x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.303 W/kg

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

Reference Value = 16.36 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.338 W/kg

SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.193 W/kg

Maximum value of SAR (measured) = 0.301 W/kg

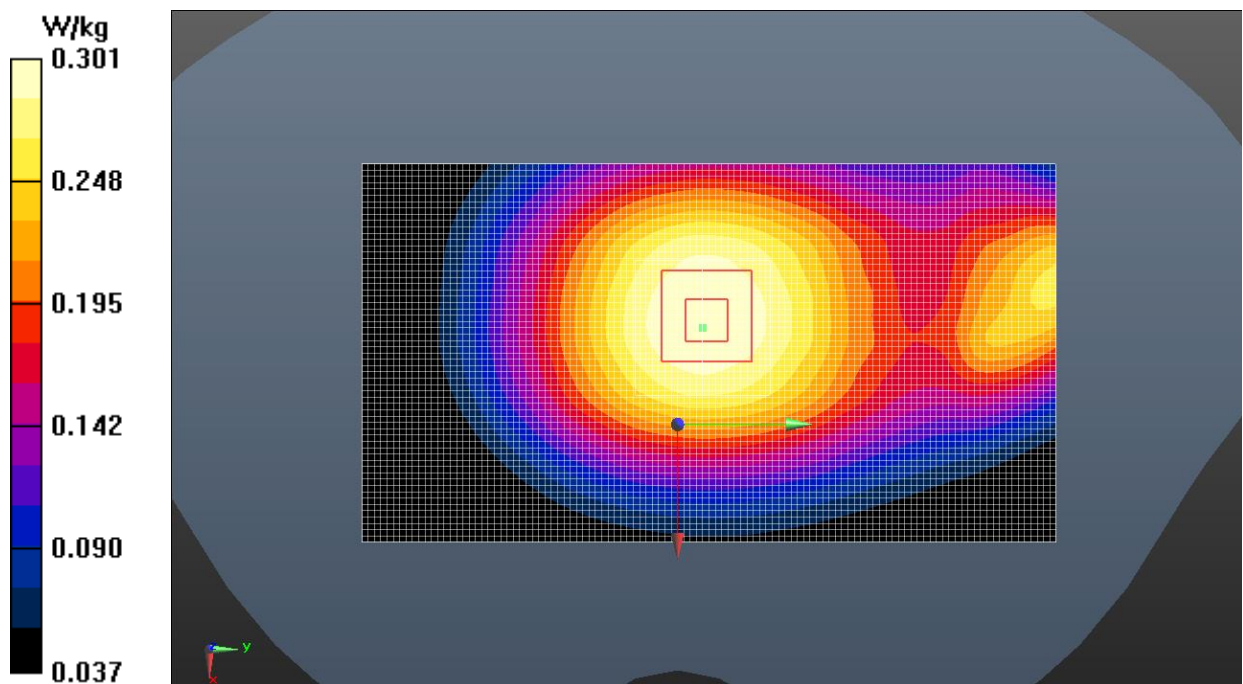


Fig.6 CDMA BC0

CDMA BC1 Head

Date: 2019-6-19

Electronics: DAE4 Sn786

Medium: Head 1900MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.363$ S/m; $\epsilon_r = 40.532$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, CDMA (0) Frequency: 1880 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.63, 7.63, 7.63);

Right Cheek Middle/Area Scan (61x101x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.753 W/kg

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

Reference Value = 3.110 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.904 W/kg

SAR(1 g) = 0.569 W/kg; SAR(10 g) = 0.339 W/kg

Maximum value of SAR (measured) = 0.732 W/kg

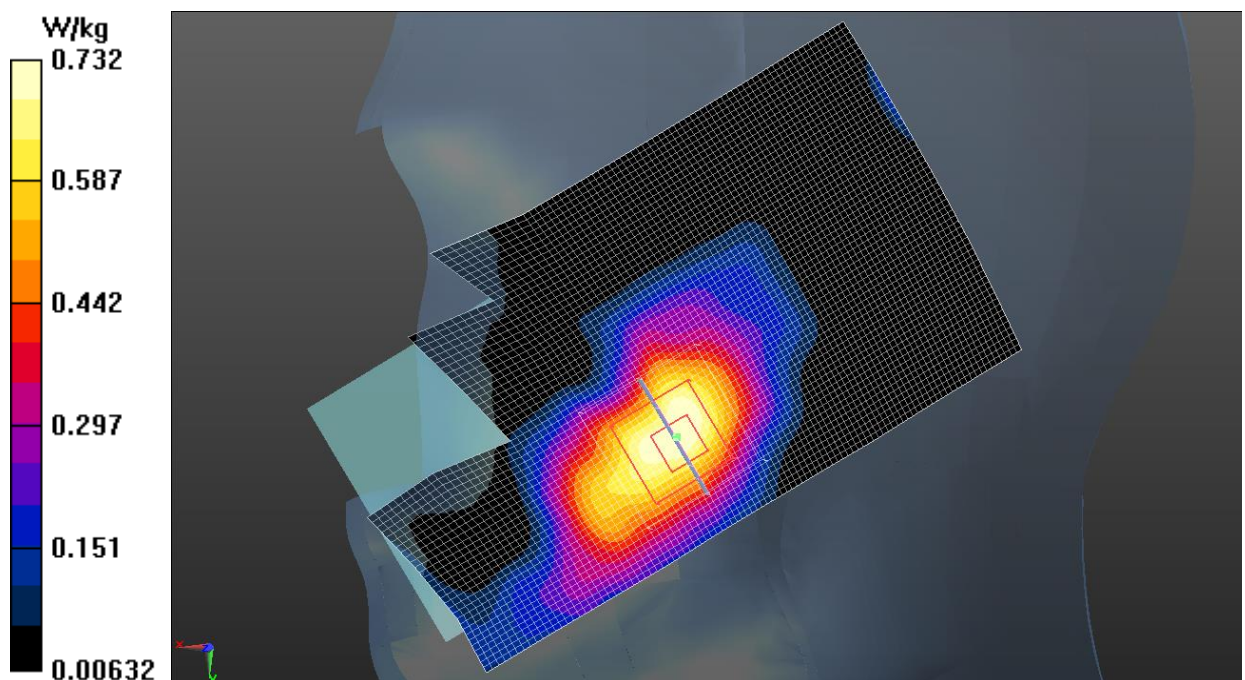


Fig.7 CDMA BC1

CDMA BC1 Body

Date: 2019-6-19

Electronics: DAE4 Sn786

Medium: Head 1900MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.363$ S/m; $\epsilon_r = 40.532$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, CDMA (0) Frequency: 1880 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.63, 7.63, 7.63);

Front Side Middle/Area Scan (61x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.28 W/kg

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

Reference Value = 8.362 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.921 W/kg; SAR(10 g) = 0.477 W/kg

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

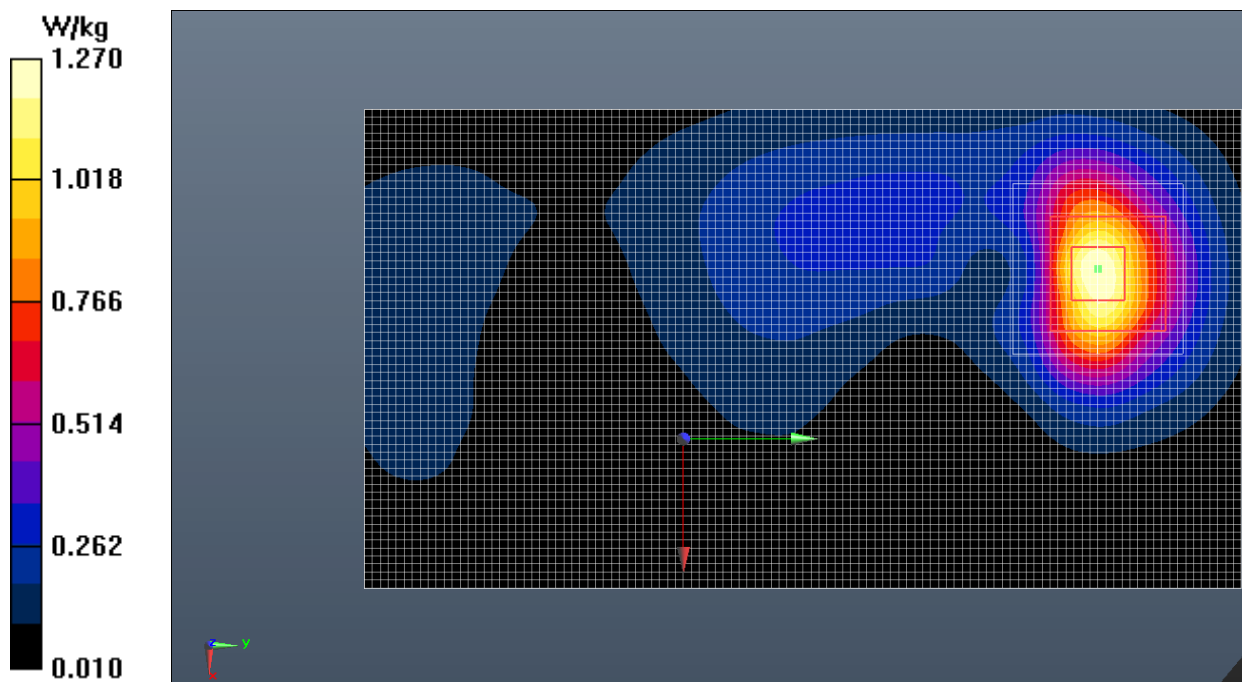


Fig.8 CDMA BC1

CDMA BC10 Head

Date: 2019-5-30

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used (interpolated): $f = 820.5$ MHz; $\sigma = 0.909$ S/m; $\epsilon_r = 40.488$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, CDMA (0) Frequency: 820.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.51, 9.51, 9.51);

Left Cheek Middle/Area Scan (61x101x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.267 W/kg

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

Reference Value = 5.189 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.346 W/kg

SAR(1 g) = 0.259 W/kg; SAR(10 g) = 0.188 W/kg

Maximum value of SAR (measured) = 0.306 W/kg

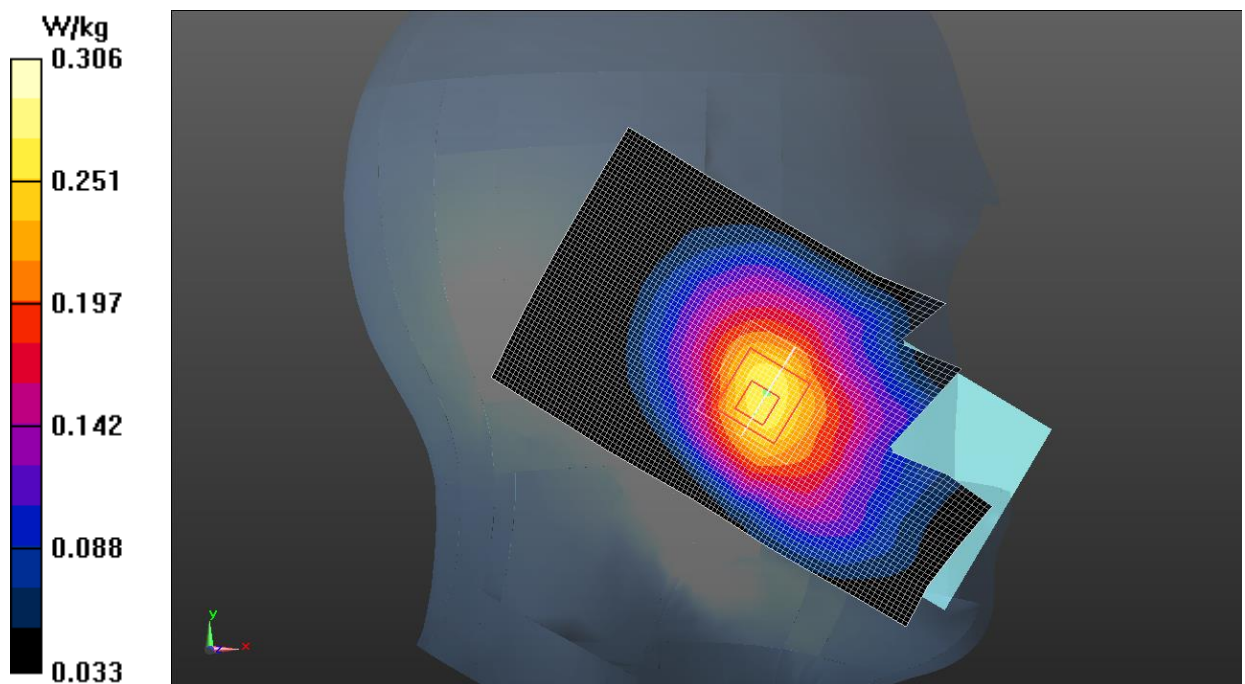


Fig.9 CDMA BC10

CDMA BC10 Body

Date: 2019-5-30

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used (interpolated): $f = 820.5$ MHz; $\sigma = 0.909$ S/m; $\epsilon_r = 40.488$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, CDMA (0) Frequency: 820.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.51, 9.51, 9.51);

Front Side Middle/Area Scan (61x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.256 W/kg

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

Reference Value = 15.06 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.286 W/kg

SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.160 W/kg

Maximum value of SAR (measured) = 0.255 W/kg

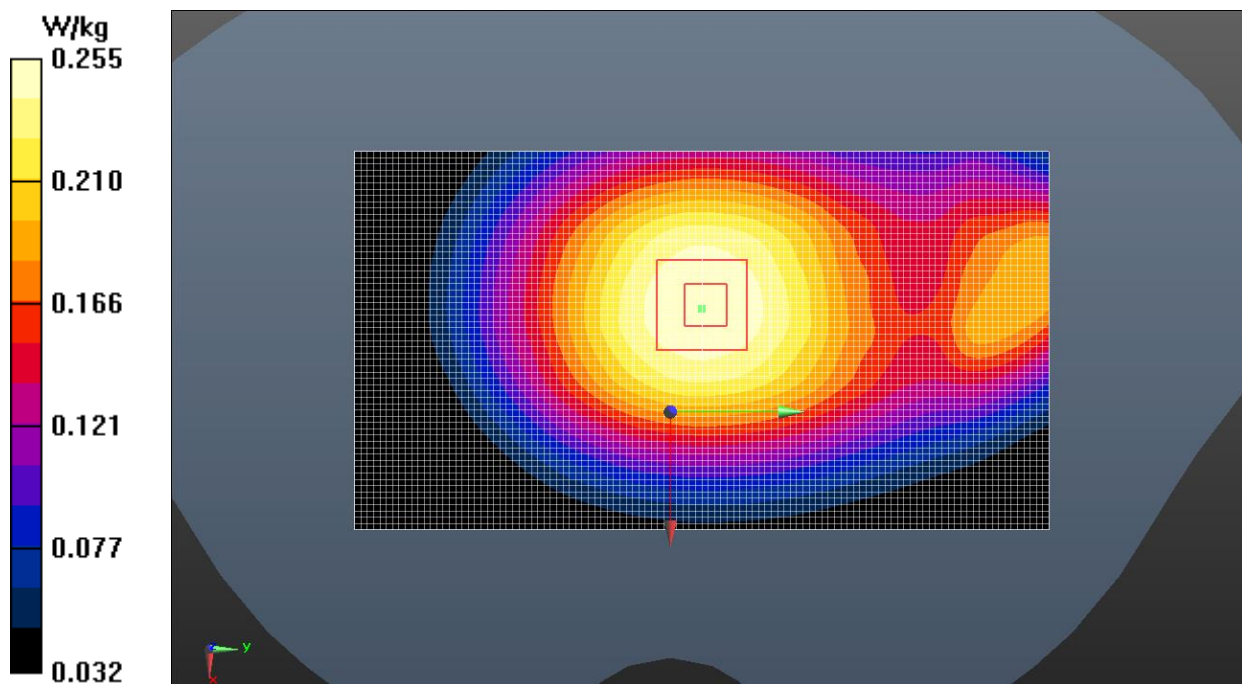


Fig.10 CDMA BC10

WCDMA 850 Head

Date: 2019-5-30

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 40.431$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, WCDMA (0) Frequency: 836.4 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.51, 9.51, 9.51);

Left Cheek Middle/Area Scan (61x101x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.348 W/kg

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

Reference Value = 5.387 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.438 W/kg

SAR(1 g) = 0.332 W/kg; SAR(10 g) = 0.242 W/kg

Maximum value of SAR (measured) = 0.389 W/kg

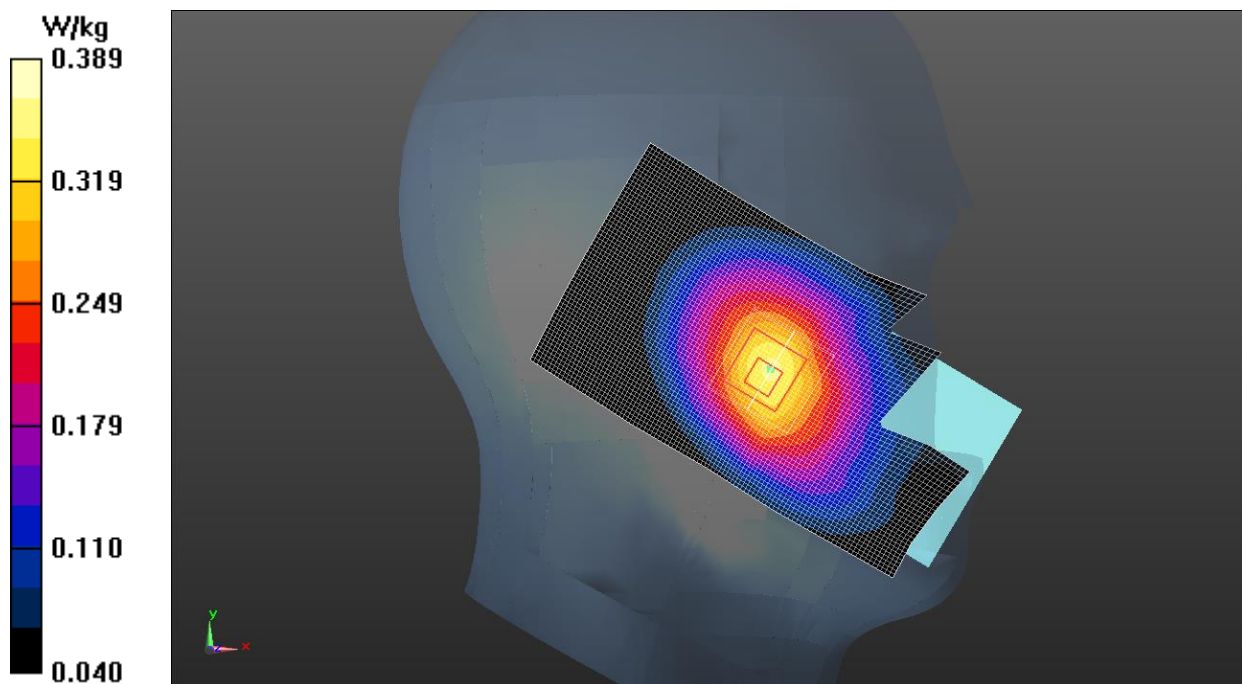


Fig.11 WCDMA 850

WCDMA 850 Body

Date: 2019-5-30

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 40.431$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, WCDMA (0) Frequency: 836.4 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.51, 9.51, 9.51);

Rear Side Middle/Area Scan (61x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.324 W/kg

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

Reference Value = 15.65 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.365 W/kg

SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.208 W/kg

Maximum value of SAR (measured) = 0.324 W/kg

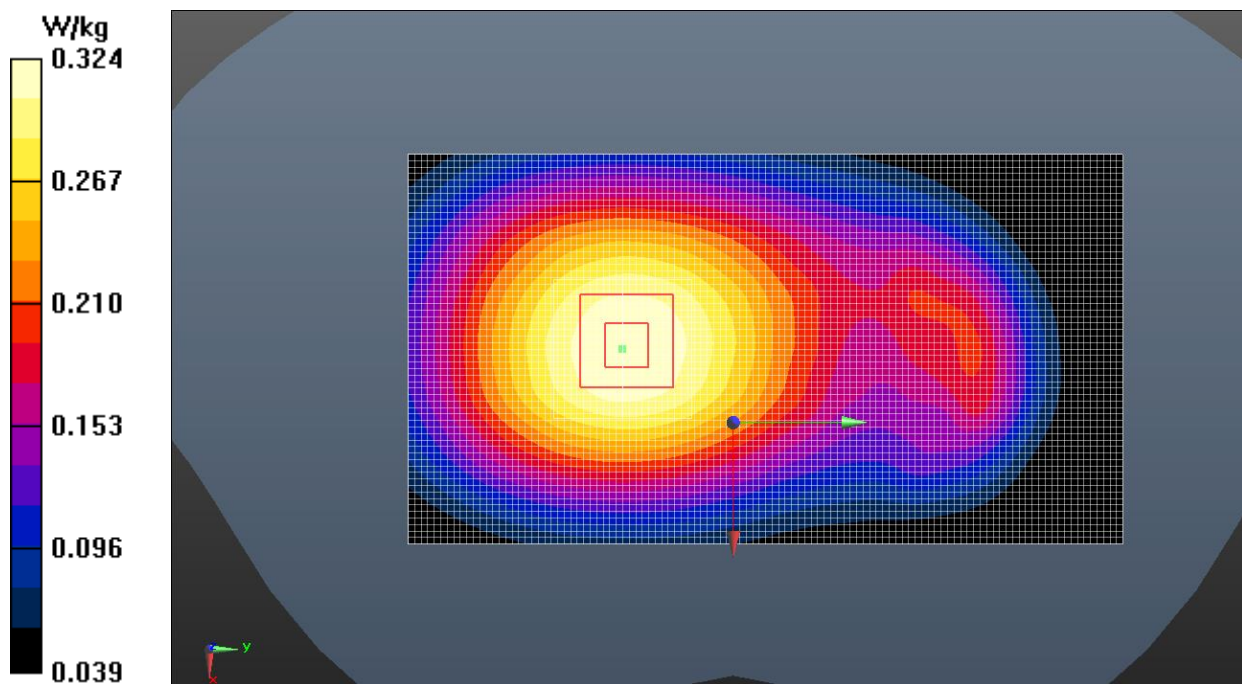


Fig.12 WCDMA 850

WCDMA 1900 Head

Date: 2019-6-19

Electronics: DAE4 Sn786

Medium: Head 1900MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.363$ S/m; $\epsilon_r = 40.532$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, WCDMA (0) Frequency: 1880 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.63, 7.63, 7.63);

Right Cheek Middle/Area Scan (61x101x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.851 W/kg

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

Reference Value = 6.399 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.995 W/kg

SAR(1 g) = 0.644 W/kg; SAR(10 g) = 0.396 W/kg

Maximum value of SAR (measured) = 0.799 W/kg

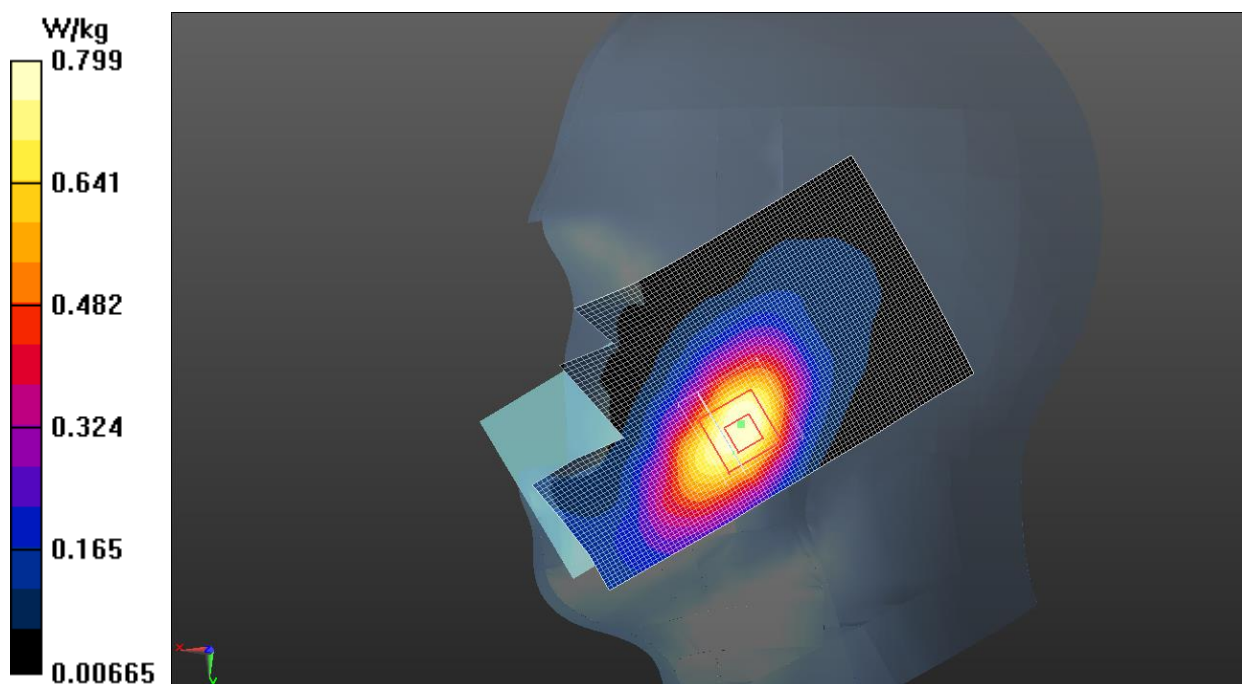


Fig.13 WCDMA 1900

WCDMA 1900 Body

Date: 2019-6-19

Electronics: DAE4 Sn786

Medium: Head 1900MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.363$ S/m; $\epsilon_r = 40.532$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, WCDMA (0) Frequency: 1880 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.63, 7.63, 7.63);

Front Side Middle/Area Scan (61x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.46 W/kg

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

Reference Value = 8.937 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.591 W/kg

Maximum value of SAR (measured) = 1.52 W/kg

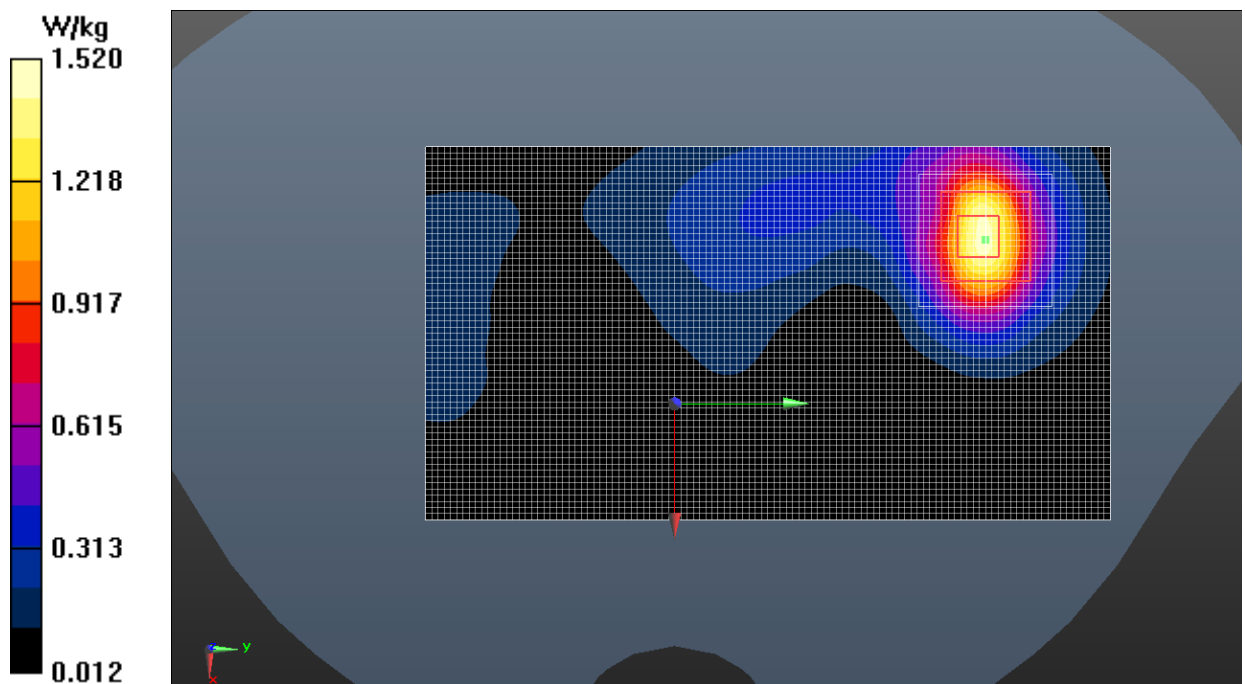


Fig.14 WCDMA 1900

WCDMA 1700 Head

Date: 2019-6-4

Electronics: DAE4 Sn786

Medium: Head 1750MHz

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.345$ S/m; $\epsilon_r = 40.382$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, WCDMA (0) Frequency: 1732.6 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (8.07, 8.07, 8.07);

Right Cheek Middle/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.248 W/kg

Right Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.065 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.294 W/kg

SAR(1 g) = 0.193 W/kg; SAR(10 g) = 0.121 W/kg

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

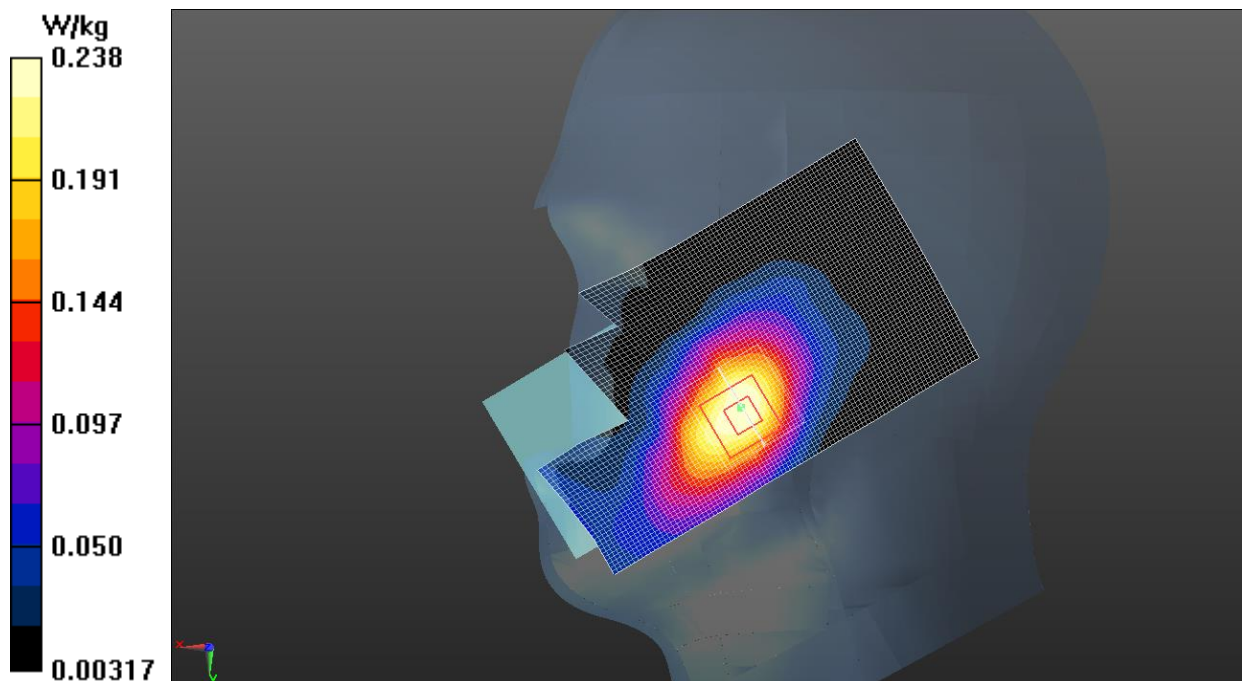


Fig.15 WCDMA 1700

WCDMA 1700 Body

Date: 2019-6-4

Electronics: DAE4 Sn786

Medium: Head 1750MHz

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.345$ S/m; $\epsilon_r = 40.382$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, WCDMA (0) Frequency: 1732.6 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (8.07, 8.07, 8.07);

Front Side Middle/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.674 W/kg

Front Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.260 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.879 W/kg

SAR(1 g) = 0.504 W/kg; SAR(10 g) = 0.269 W/kg

Maximum value of SAR (measured) = 0.682 W/kg

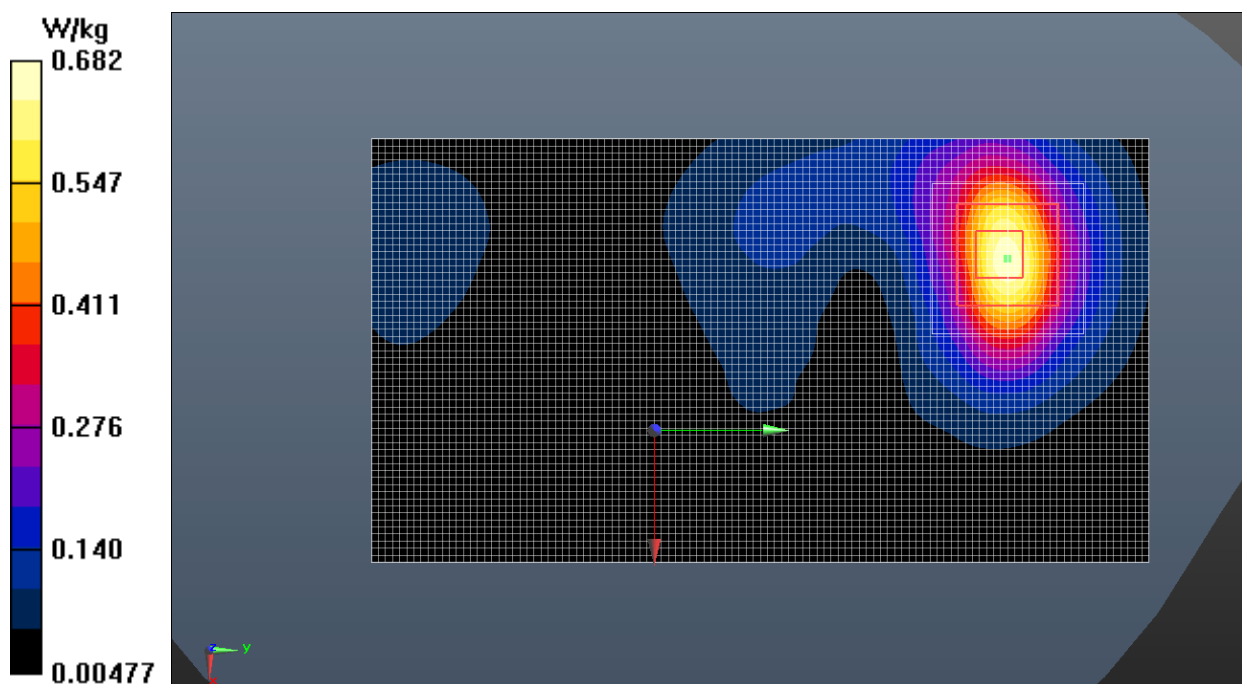


Fig.16 WCDMA 1700

LTE Band 2 Head

Date: 2019-6-20

Electronics: DAE4 Sn786

Medium: Head 1900MHz

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.35$ S/m; $\epsilon_r = 40.415$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 1860 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.63, 7.63, 7.63);

Right Cheek Low 1RB_Mid/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.690 W/kg

Right Cheek Low 1RB_Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.521 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.844 W/kg

SAR(1 g) = 0.533 W/kg; SAR(10 g) = 0.320 W/kg

Maximum value of SAR (measured) = 0.685 W/kg

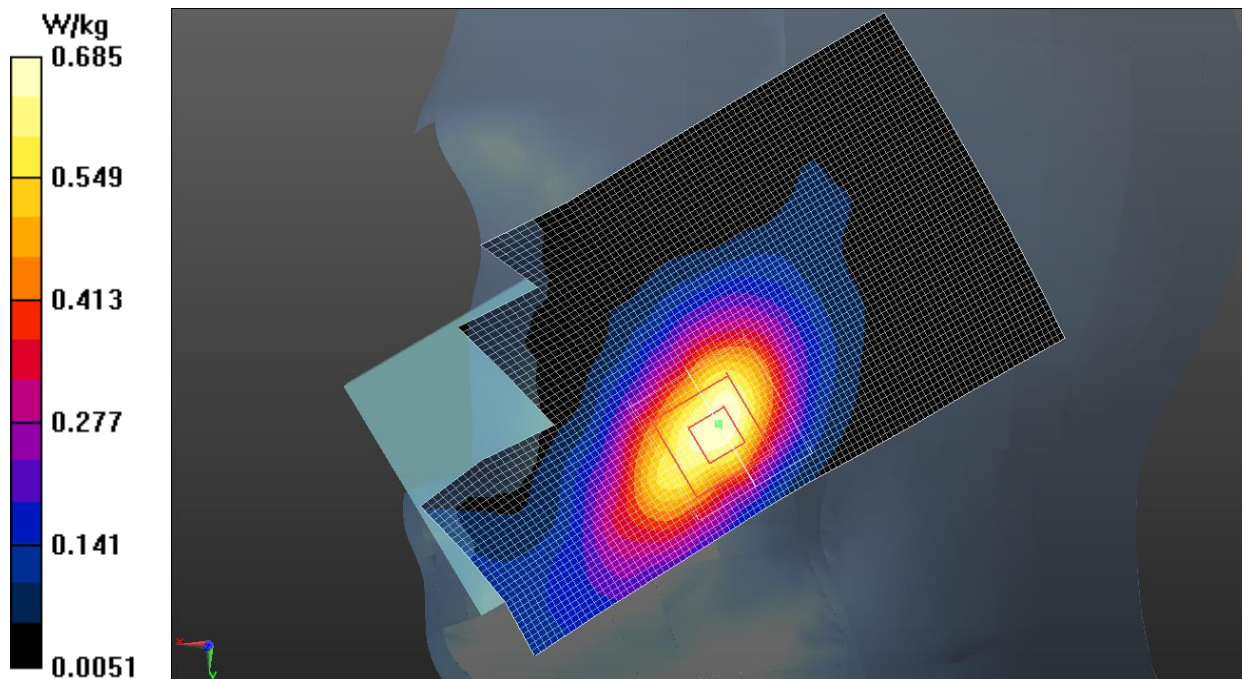


Fig.17 LTE Band 2

LTE Band 2 Body

Date: 2019-6-20

Electronics: DAE4 Sn786

Medium: Head 1900MHz

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.35$ S/m; $\epsilon_r = 40.415$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 1860 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.63, 7.63, 7.63);

Front Side Low 1RB_Mid/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.25 W/kg

Front Side Low 1RB_Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.518 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.899 W/kg; SAR(10 g) = 0.465 W/kg

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

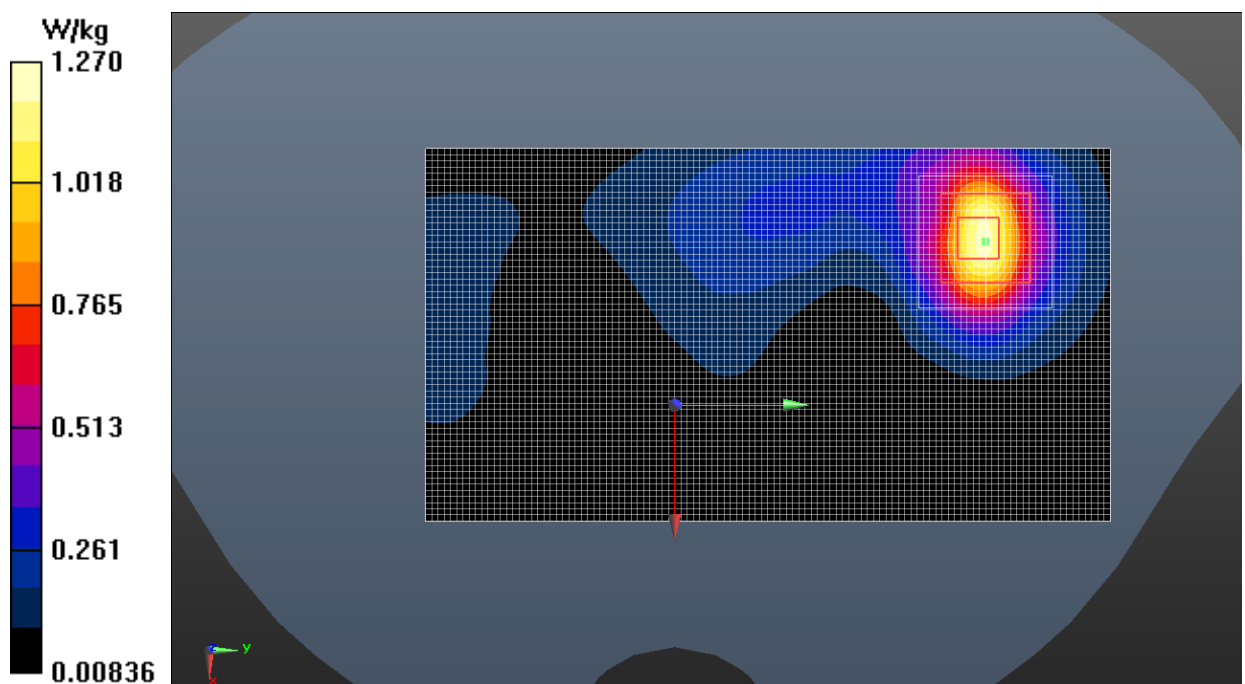


Fig.18 LTE Band 2

LTE Band 4 Head

Date: 2019-6-4

Electronics: DAE4 Sn786

Medium: Head 1750MHz

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.357$ S/m; $\epsilon_r = 40.544$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 1745 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (8.07, 8.07, 8.07);

Right Cheek High 1RB_Mid/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.352 W/kg

Right Cheek High 1RB_Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.715 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.430 W/kg

SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.169 W/kg

Maximum value of SAR (measured) = 0.352 W/kg

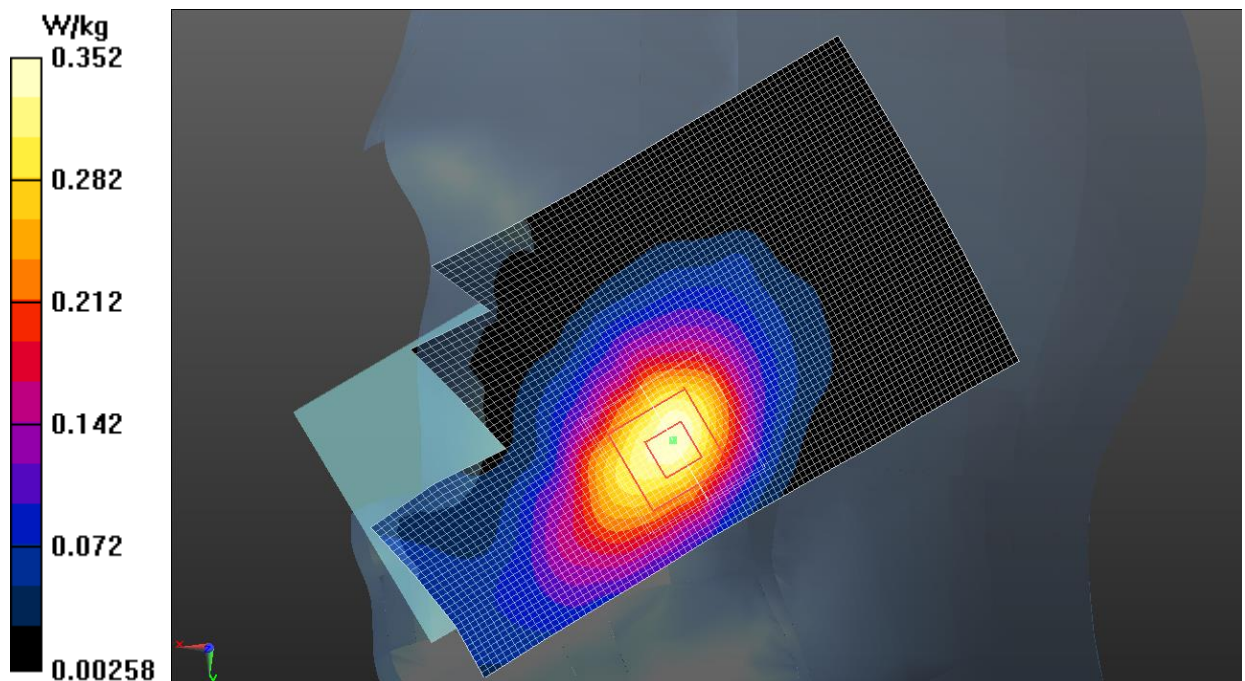


Fig.19 LTE Band 4

LTE Band 4 Body

Date: 2019-6-4

Electronics: DAE4 Sn786

Medium: Head 1750MHz

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.357$ S/m; $\epsilon_r = 40.544$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 1745 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (8.07, 8.07, 8.07);

Front Side High 1RB_Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.599 W/kg

Front Side High 1RB_Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.848 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.832 W/kg

SAR(1 g) = 0.505 W/kg; SAR(10 g) = 0.272 W/kg

Maximum value of SAR (measured) = 0.611 W/kg

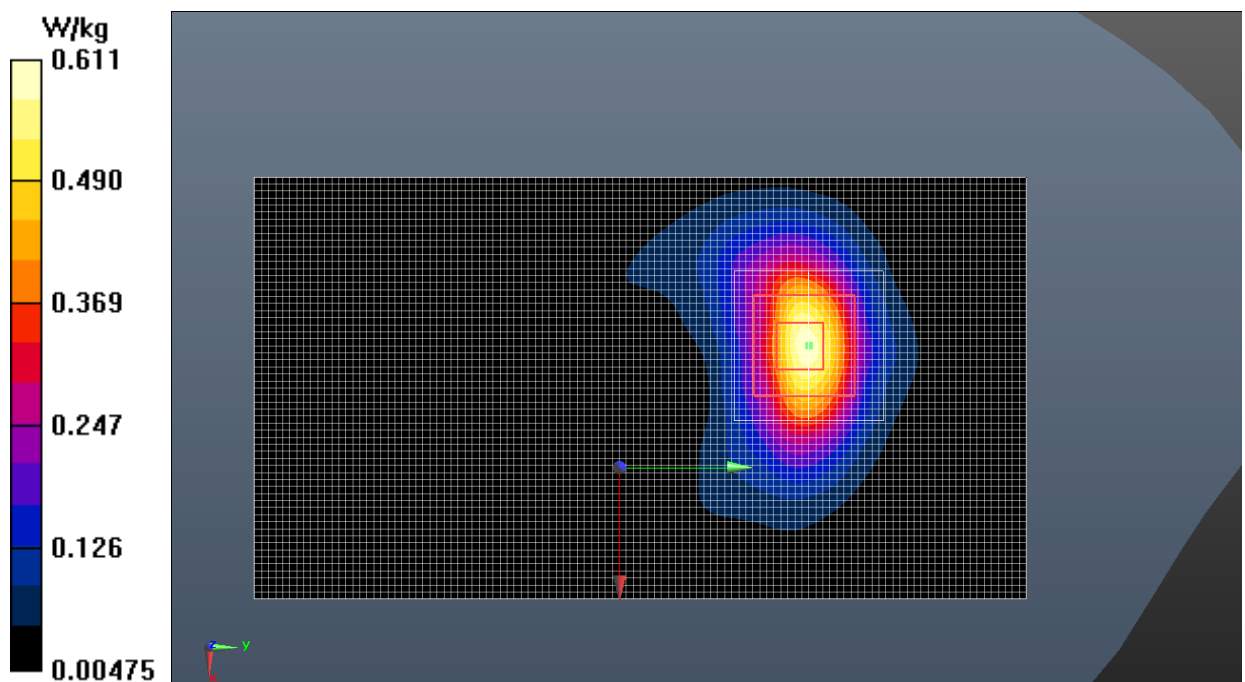


Fig.20 LTE Band 4

LTE Band 5 Head

Date: 2019-5-31

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.924$ S/m; $\epsilon_r = 40.427$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 836.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.51, 9.51, 9.51);

Right Cheek Middle 1RB_Mid/Area Scan (61x101x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.287 W/kg

Right Cheek Middle 1RB_Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.615 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.350 W/kg

SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.194 W/kg

Maximum value of SAR (measured) = 0.311 W/kg

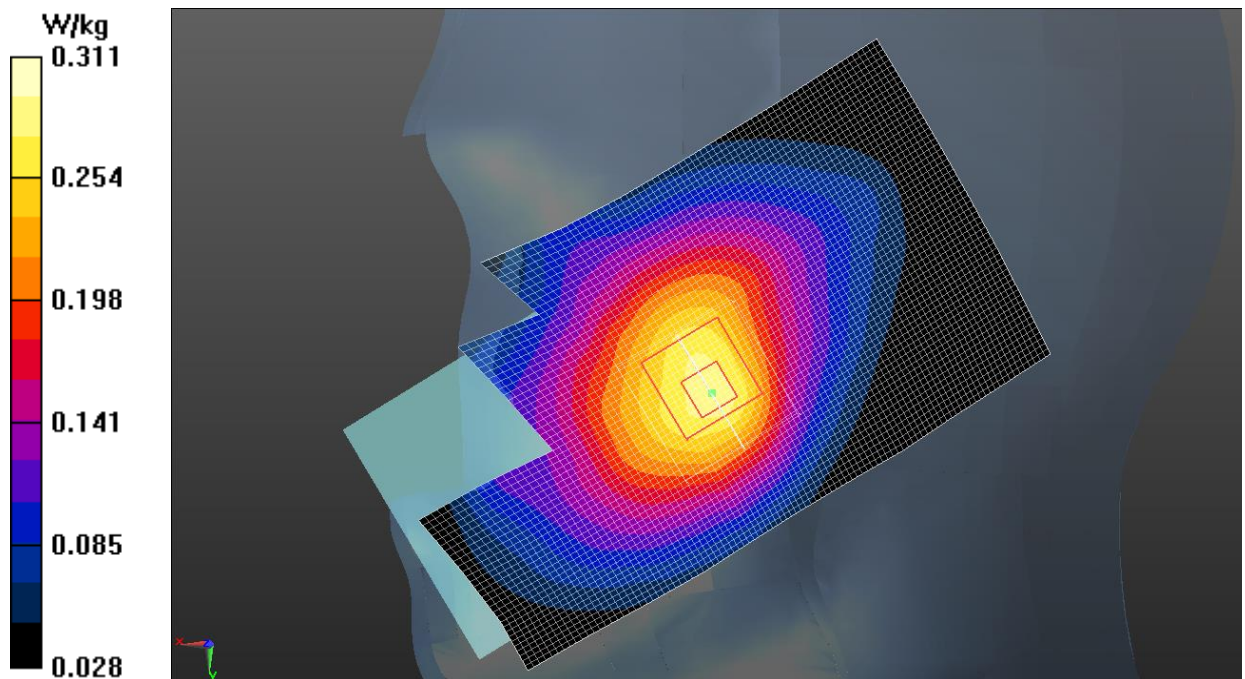


Fig.21 LTE Band 5

LTE Band 5 Body

Date: 2019-5-31

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.924$ S/m; $\epsilon_r = 40.427$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 836.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.51, 9.51, 9.51);

Rear Side Middle 1RB_Mid/Area Scan (61x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.358 W/kg

Rear Side Middle 1RB_Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 18.14 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.405 W/kg

SAR(1 g) = 0.305 W/kg; SAR(10 g) = 0.225 W/kg

Maximum value of SAR (measured) = 0.360 W/kg

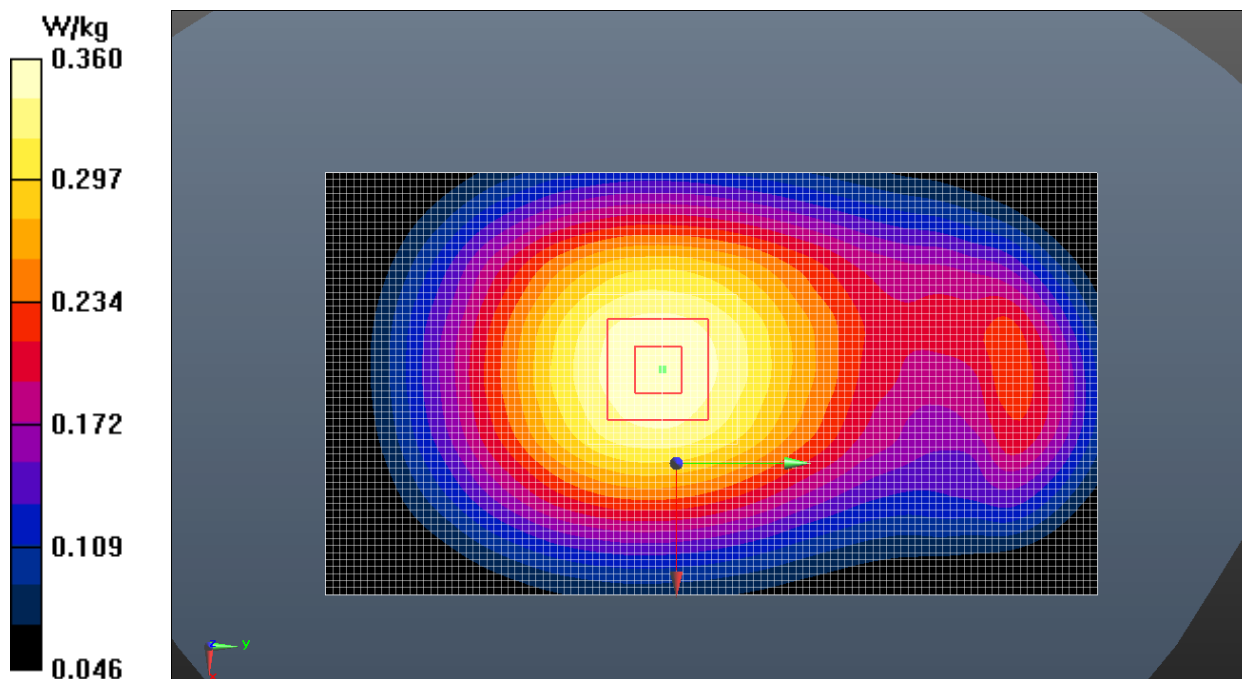


Fig.22 LTE Band 5

LTE Band 12 Head

Date: 2019-6-2

Electronics: DAE4 Sn786

Medium: Head 750MHz

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 41.304$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 711 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.51, 9.51, 9.51);

Right Cheek High 1RB_Mid/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.221 W/kg

Right Cheek High 1RB_Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.988 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.277 W/kg

SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.155 W/kg

Maximum value of SAR (measured) = 0.244 W/kg

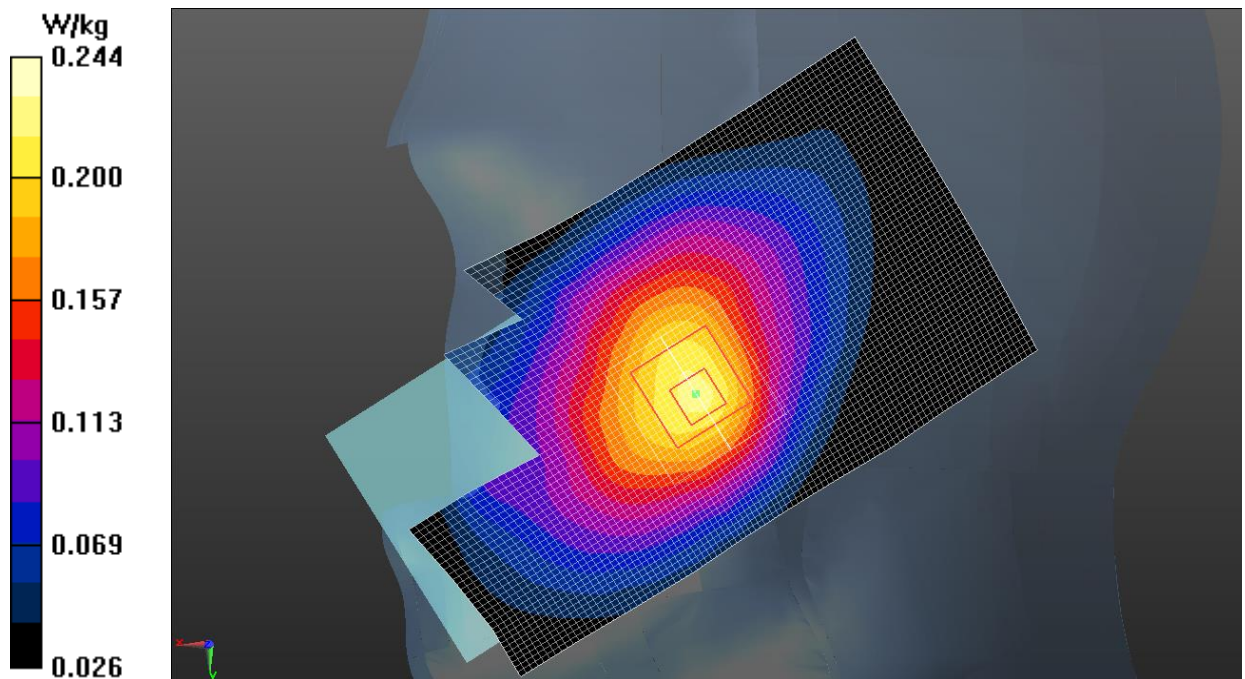


Fig.23 LTE Band 12

LTE Band 12 Body

Date: 2019-6-2

Electronics: DAE4 Sn786

Medium: Head 750MHz

Medium parameters used (interpolated): $f = 711$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 41.304$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 711 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.51, 9.51, 9.51);

Rear Side High 1RB_Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.286 W/kg

Rear Side High 1RB_Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.53 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.324 W/kg

SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.182 W/kg

Maximum value of SAR (measured) = 0.288 W/kg

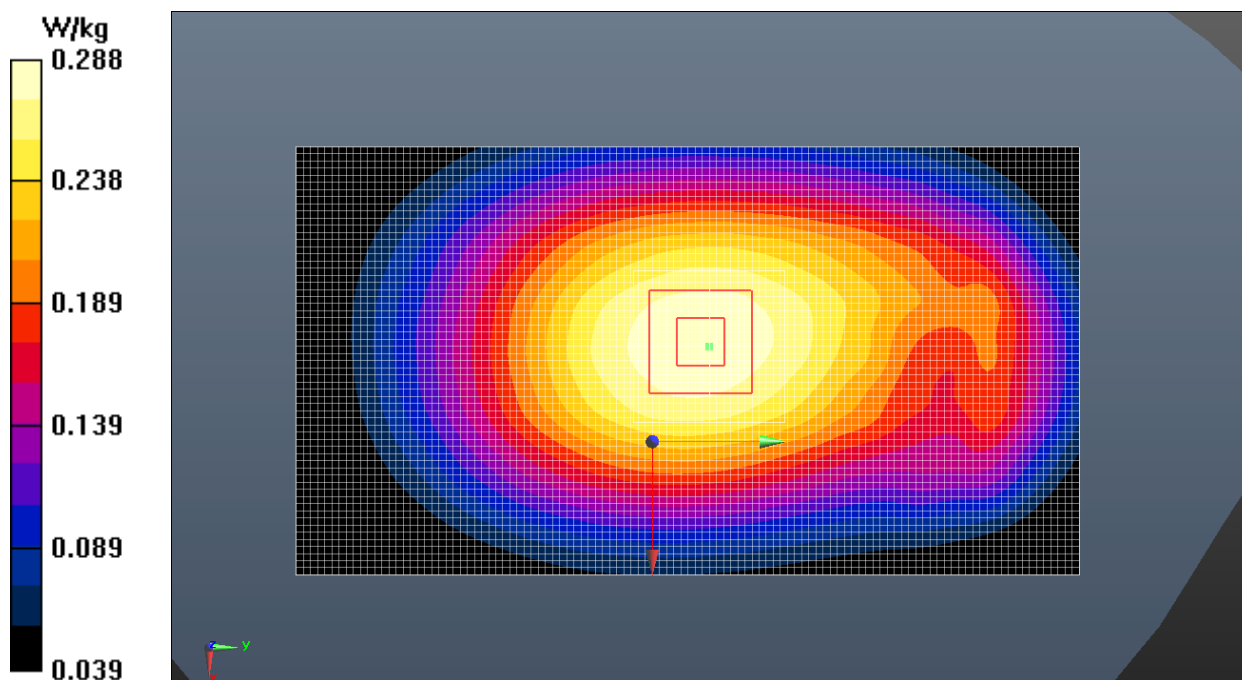


Fig.24 LTE Band 12

LTE Band 13 Head

Date: 2019-6-2

Electronics: DAE4 Sn786

Medium: Head 750MHz

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.928 \text{ S/m}$; $\epsilon_r = 41.103$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 782 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.51, 9.51, 9.51);

Right Cheek Middle 1RB_Mid/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.204 W/kg

Right Cheek Middle 1RB_Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.856 V/m ; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.260 W/kg

SAR(1 g) = 0.198 W/kg ; SAR(10 g) = 0.144 W/kg

Maximum value of SAR (measured) = 0.226 W/kg

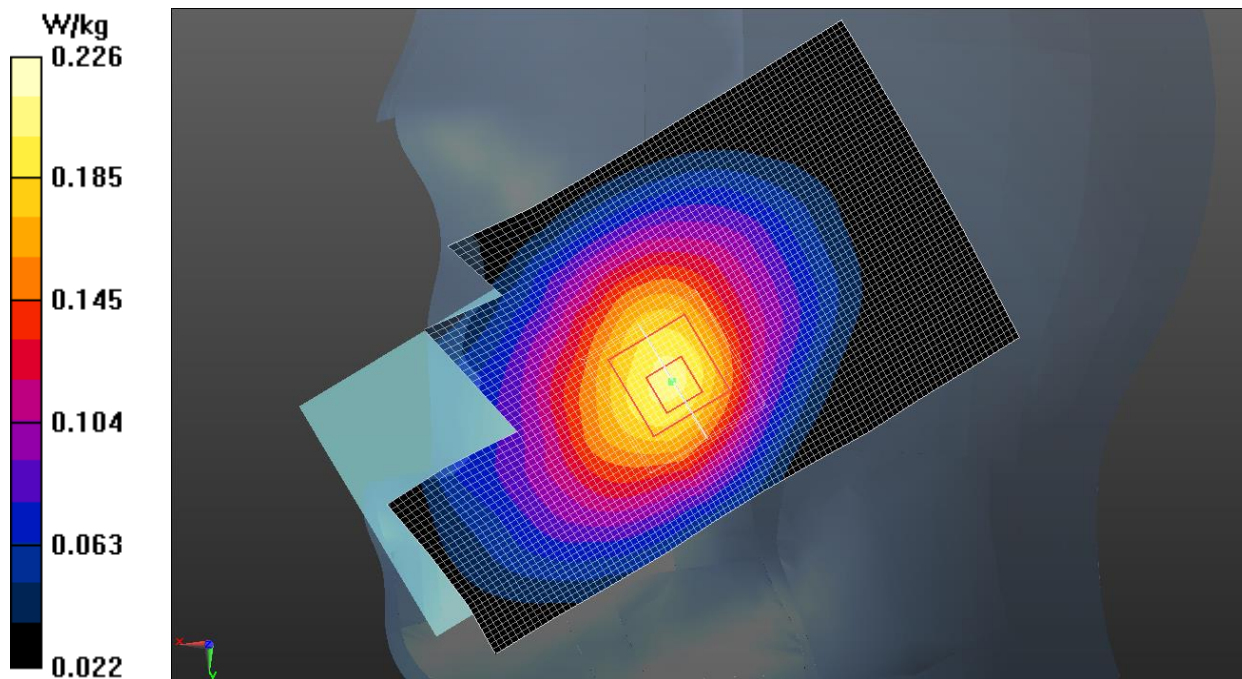


Fig.25 LTE Band 13

LTE Band 13 Body

Date: 2019-6-2

Electronics: DAE4 Sn786

Medium: Head 750MHz

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.928 \text{ S/m}$; $\epsilon_r = 41.103$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 782 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.51, 9.51, 9.51);

Rear Side Middle 1RB_Mid/Area Scan (61x111x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

Rear Side Middle 1RB_Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 14.97 V/m ; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.267 W/kg

SAR(1 g) = 0.201 W/kg ; SAR(10 g) = 0.149 W/kg

Maximum value of SAR (measured) = 0.237 W/kg

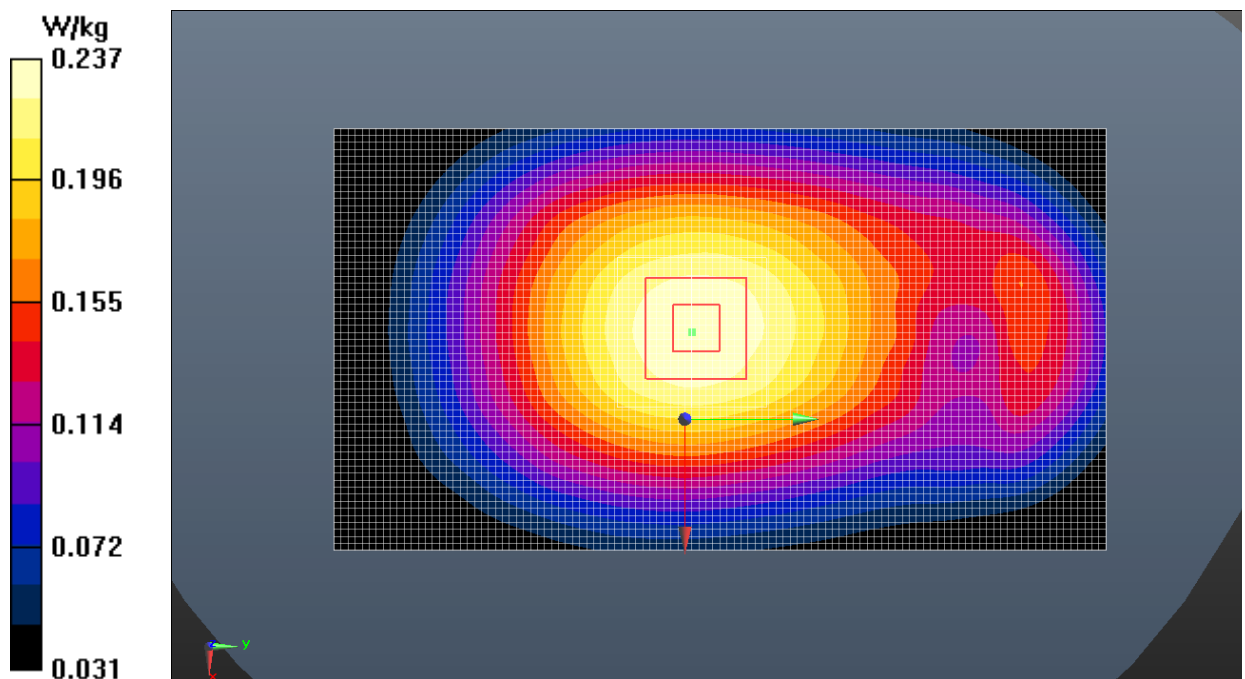


Fig.26 LTE Band 13

LTE Band 25 Head

Date: 2019-6-20

Electronics: DAE4 Sn786

Medium: Head 1900MHz

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.35$ S/m; $\epsilon_r = 40.415$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 1860 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.63, 7.63, 7.63);

Right Cheek Low 1RB_Mid/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.693 W/kg

Right Cheek Low 1RB_Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.497 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.852 W/kg

SAR(1 g) = 0.549 W/kg; SAR(10 g) = 0.333 W/kg

Maximum value of SAR (measured) = 0.704 W/kg

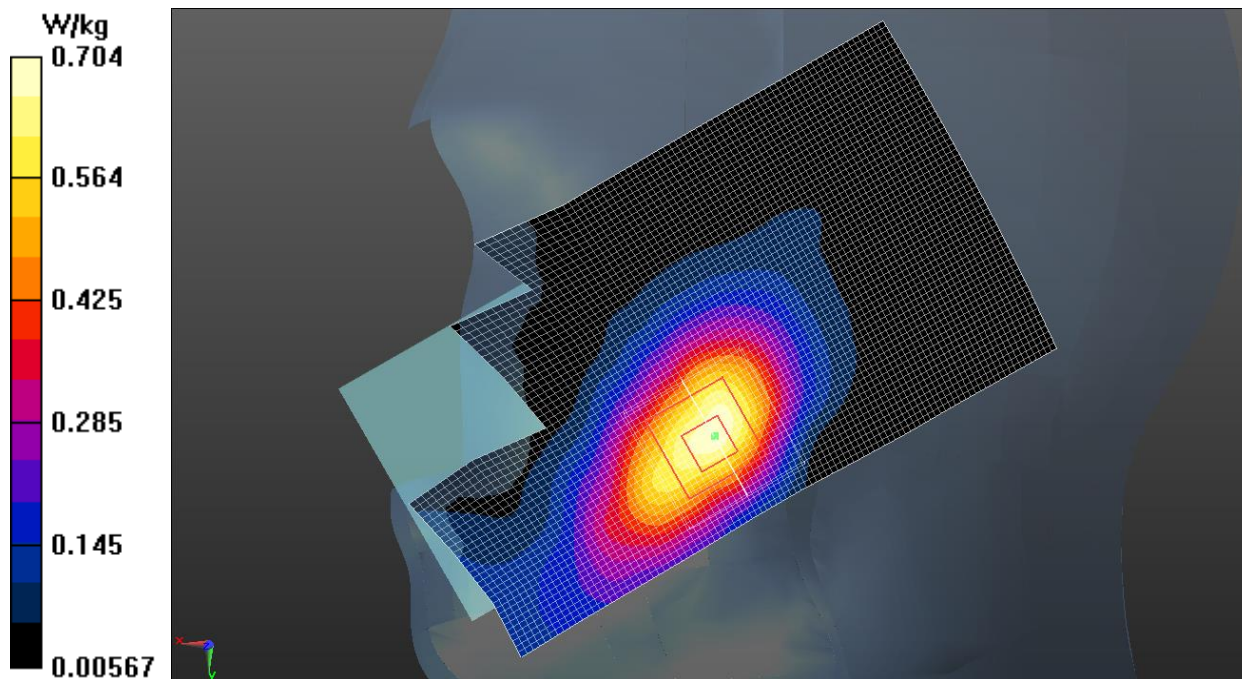


Fig.27 LTE Band 25

LTE Band 25 Body

Date: 2019-6-20

Electronics: DAE4 Sn786

Medium: Head 1900MHz

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.35$ S/m; $\epsilon_r = 40.415$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 1860 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.63, 7.63, 7.63);

Front Side Low 1RB_Mid /Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.48 W/kg

Front Side Low 1RB_Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.939 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.513 W/kg

Maximum value of SAR (measured) = 1.36 W/kg

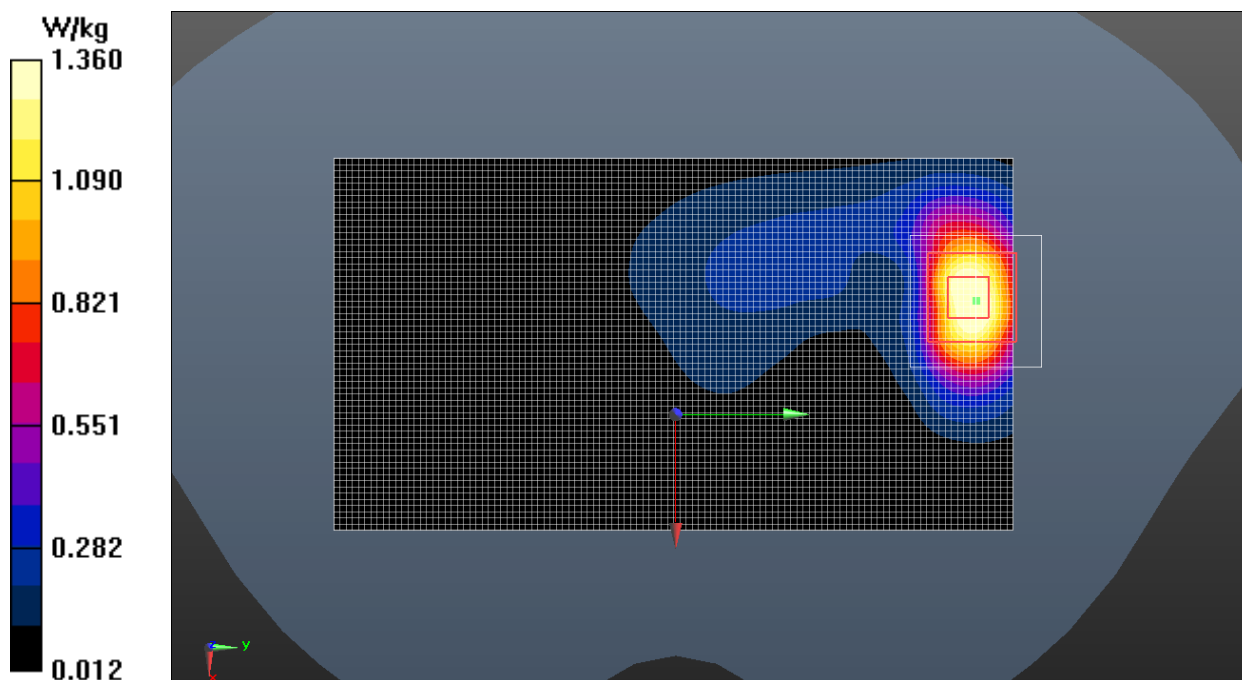


Fig.28 LTE Band 25

LTE Band 26 Head

Date: 2019-5-31

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used: $f = 842$ MHz; $\sigma = 0.927$ S/m; $\epsilon_r = 40.231$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 842 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.51, 9.51, 9.51);

Right Cheek High 1RB_Mid/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.307 W/kg

Right Cheek High 1RB_Mid/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.178 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.389 W/kg

SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.210 W/kg

Maximum value of SAR (measured) = 0.339 W/kg

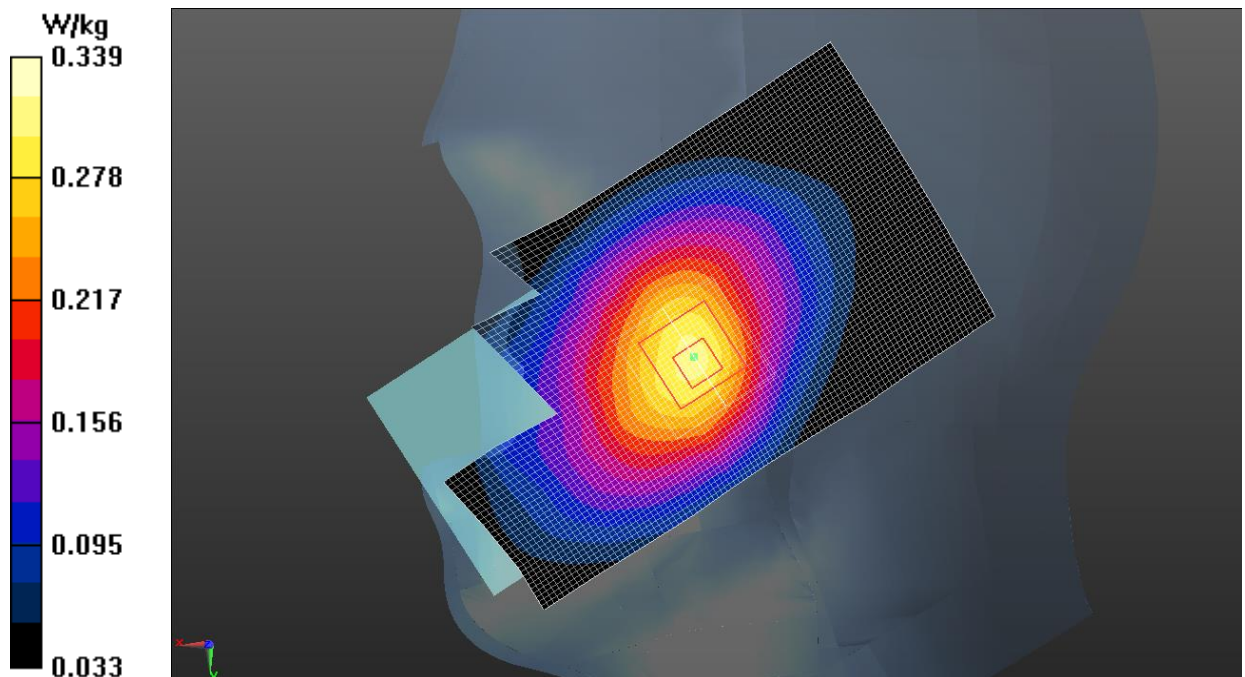


Fig.29 LTE Band 26

LTE Band 26 Body

Date: 2019-5-31

Electronics: DAE4 Sn786

Medium: Head 835MHz

Medium parameters used: $f = 842 \text{ MHz}$; $\sigma = 0.927 \text{ S/m}$; $\epsilon_r = 40.231$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.0°C Liquid Temperature: 21.5°C

Communication System: UID 0, LTE_FDD (0) Frequency: 842 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (9.51, 9.51, 9.51);

Rear Side High 1RB_Mid/Area Scan (61x111x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.347 W/kg

Rear Side High 1RB_Mid /Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.79 V/m ; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.389 W/kg

SAR(1 g) = 0.295 W/kg ; SAR(10 g) = 0.217 W/kg

Maximum value of SAR (measured) = 0.347 W/kg

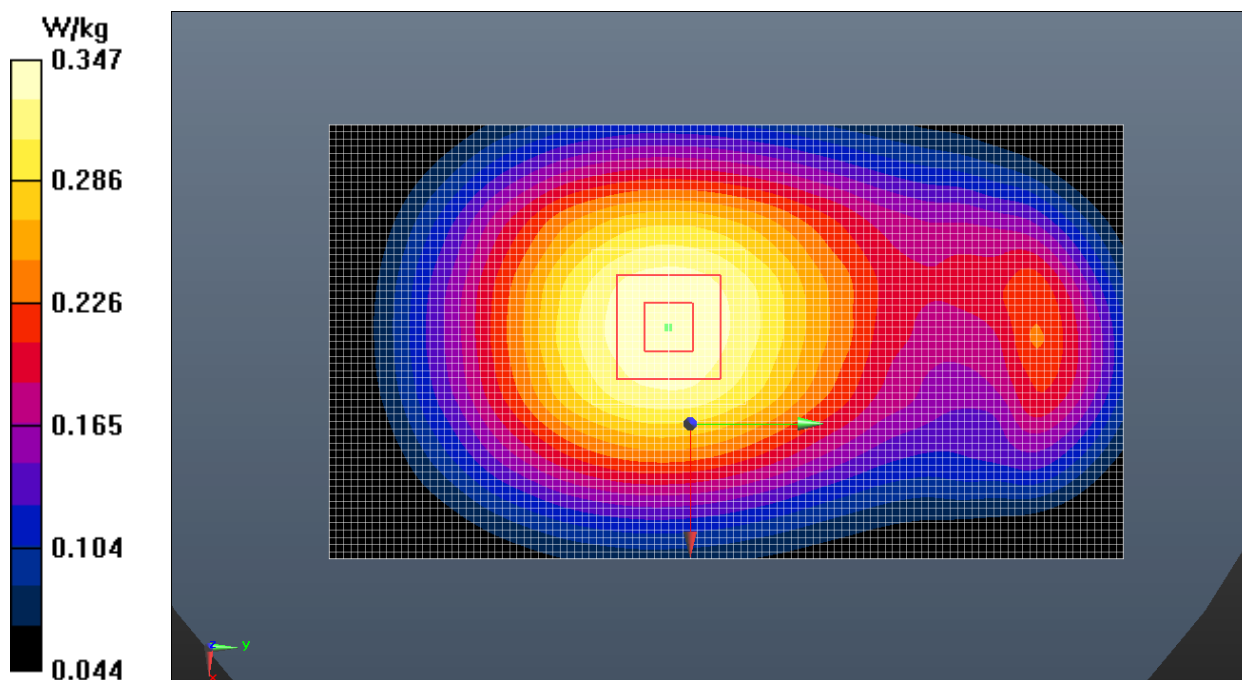


Fig.30 LTE Band 26