

Table 14.9: SAR Values (WCDMA 1700 - Head)

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.								
		Ambient Temperature: 22.9°C		Liquid Temperature: 22.4°C					
1732.6	1413	RMC	Left Touch	Fig.9	23.70	24	0.094	0.10	0.09
1732.6	1413	RMC	Left Tilt	/	23.70	24	0.027	0.03	0.01
1732.6	1413	RMC	Right Touch	/	23.70	24	0.053	0.06	0.01
1732.6	1413	RMC	Right Tilt	/	23.70	24	0.040	0.04	0.08

Table 14.10: SAR Values (WCDMA 1700 - Body)

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.								
		Ambient Temperature: 22.6°C		Liquid Temperature: 22.1°C					
Hotspot / Body Worn Test Data (10mm)									
1732.6	1413	RMC	Front	/	23.70	24	0.182	0.20	0.09
1732.6	1413	RMC	Rear	/	23.70	24	1.120	1.20	0.01
1732.6	1413	RMC	Left	/	23.70	24	0.066	0.07	0.09
1732.6	1413	RMC	Right	/	23.70	24	0.022	0.02	0.09
1732.6	1413	RMC	Bottom	/	23.70	24	0.508	0.54	0.13
1752.6	1513	RMC	Rear	/	23.60	24	0.935	1.03	0.01
1712.4	1312	RMC	Rear	Fig.10	23.80	24	1.140	1.19	0.05

Table 14.11: SAR Values (LTE Band 2 - Head)

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.								
		Ambient Temperature: 22.7°C			Liquid Temperature: 22.2°C				
1880	18900	1RB_Mid	Left Touch	Fig.11	23.74	24	0.062	0.07	-0.09
1880	18900	50RB_Mid	Left Touch	/	22.79	23	0.060	0.06	-0.09
1880	18900	1RB_Mid	Left Tilt	/	23.74	24	0.031	0.03	0.02
1880	18900	50RB_Mid	Left Tilt	/	22.79	23	0.013	0.01	0.03
1880	18900	1RB_Mid	Right Touch	/	23.74	24	0.037	0.04	-0.09
1880	18900	50RB_Mid	Right Touch	/	22.79	23	0.030	0.03	0.00
1880	18900	1RB_Mid	Right Tilt	/	23.74	24	0.029	0.03	0.03
1880	18900	50RB_Mid	Right Tilt	/	22.79	23	0.022	0.02	0.09

Table 14.12: SAR Values (LTE Band 2 - Body)

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.								
		Ambient Temperature: 22.4°C			Liquid Temperature: 22.0°C				
Hotspot / Body Worn Test Data (10mm)									
1880	18900	1RB_Mid	Front	/	23.74	24	0.122	0.13	0.05
1880	18900	50RB_Mid	Front	/	22.79	23	0.098	0.10	-0.04
1880	18900	1RB_Mid	Rear	/	23.74	24	0.771	0.82	-0.02
1880	18900	50RB_Mid	Rear	/	22.79	23	0.554	0.58	0.04
1880	18900	1RB_Mid	Left	/	23.74	24	0.050	0.05	0.02
1880	18900	50RB_Mid	Left	/	22.79	23	0.041	0.04	0.07
1880	18900	1RB_Mid	Right	/	23.74	24	0.017	0.02	0.05
1880	18900	50RB_Mid	Right	/	22.79	23	0.015	0.02	0.06
1880	18900	1RB_Mid	Bottom	/	23.74	24	0.325	0.35	-0.04
1880	18900	50RB_Mid	Bottom	/	22.79	23	0.255	0.27	0.04
1900	19100	1RB_Mid	Rear	/	23.71	24	0.669	0.72	0.06
1860	18700	1RB_Mid	Rear	Fig.12	23.64	24	0.785	0.85	0.02
1880	18900	100RB	Rear	/	22.75	23	0.554	0.59	-0.13

Table 14.13: 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.								
1732.5	20175	1RB_Mid	Left Touch	Fig.13	23.16	23.5	0.078	0.08	0.06
1732.5	20175	50RB_Low	Left Touch	/	22.22	22.5	0.060	0.06	0.08
1732.5	20175	1RB_Mid	Left Tilt	/	23.16	23.5	0.018	0.02	0.09
1732.5	20175	50RB_Low	Left Tilt	/	22.22	22.5	0.017	0.02	0.03
1732.5	20175	1RB_Mid	Right Touch	/	23.16	23.5	0.040	0.04	0.05
1732.5	20175	50RB_Low	Right Touch	/	22.22	22.5	0.028	0.03	0.09
1732.5	20175	1RB_Mid	Right Tilt	/	23.16	23.5	0.017	0.02	0.02
1732.5	20175	50RB_Low	Right Tilt	/	22.22	22.5	0.012	0.01	-0.03

Table 14.14: 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 / Body Worn Test Data (10mm)									
1732.5	20175	1RB_Low	Front	/	23.16	23.5	0.167	0.18	-0.09
1732.5	20175	50RB_Low	Front	/	22.22	22.5	0.127	0.14	0.13
1732.5	20175	1RB_Low	Rear	/	23.16	23.5	0.850	0.92	-0.01
1732.5	20175	50RB_Low	Rear	/	22.22	22.5	0.669	0.71	-0.09
1732.5	20175	1RB_Low	Left	/	23.16	23.5	0.078	0.08	-0.13
1732.5	20175	50RB_Low	Left	/	22.22	22.5	0.060	0.06	0.02
1732.5	20175	1RB_Low	Right	/	23.16	23.5	0.110	0.12	0.06
1732.5	20175	50RB_Low	Right	/	22.22	22.5	0.100	0.11	-0.04
1732.5	20175	1RB_Low	Bottom	/	23.16	23.5	0.437	0.47	-0.07
1732.5	20175	50RB_Low	Bottom	/	22.22	22.5	0.364	0.39	0.05
1745	20300	1RB_Mid	Rear	/	23.07	23.5	0.820	0.91	0.09
1720	20050	1RB_Mid	Rear	Fig.14	23.23	23.5	0.941	1.00	0.08
1732.5	20175	100RB	Rear	/	22.15	22.5	0.663	0.72	0.14

Table 14.15: SAR Values (LTE Band 5 - Head)

Frequency		Test Mode	Test Position	Figure No.	Ambient Temperature: 22.5°C		Liquid Temperature: 22.0°C		
MHz	Ch.				Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
836.5	20525	1RB_Mid	Left Touch	/	23.20	23.5	0.072	0.08	0.09
836.5	20525	25RB_High	Left Touch	/	22.16	22.5	0.057	0.06	-0.02
836.5	20525	1RB_Mid	Left Tilt	/	23.20	23.5	0.025	0.03	0.08
836.5	20525	25RB_High	Left Tilt	/	22.16	22.5	0.025	0.03	0.05
836.5	20525	1RB_Mid	Right Touch	Fig.15	23.20	23.5	0.086	0.09	0.06
836.5	20525	25RB_High	Right Touch	/	22.16	22.5	0.063	0.07	0.02
836.5	20525	1RB_Mid	Right Tilt	/	23.20	23.5	0.051	0.05	0.05
836.5	20525	25RB_High	Right Tilt	/	22.16	22.5	0.038	0.04	0.08

Table 14.16: SAR Values (LTE Band 5 - Body)

Frequency		Test Mode	Test Position	Figure No.	Ambient Temperature: 22.8°C		Liquid Temperature: 22.2°C		
MHz	Ch.				Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Hotspot / Body Worn Test Data (10mm)									
836.5	20525	1RB_Mid	Front	/	23.20	23.5	0.067	0.07	-0.04
836.5	20525	25RB_High	Front	/	22.16	22.5	0.052	0.06	0.05
836.5	20525	1RB_Mid	Rear	Fig.16	23.20	23.5	0.140	0.15	0.02
836.5	20525	25RB_High	Rear	/	22.16	22.5	0.091	0.10	-0.04
836.5	20525	1RB_Mid	Left	/	23.20	23.5	0.019	0.02	0.04
836.5	20525	25RB_High	Left	/	22.16	22.5	0.014	0.02	0.06
836.5	20525	1RB_Mid	Right	/	23.20	23.5	0.017	0.02	-0.13
836.5	20525	25RB_High	Right	/	22.16	22.5	0.012	0.01	0.03
836.5	20525	1RB_Mid	Bottom	/	23.20	23.5	0.031	0.03	0.04
836.5	20525	25RB_High	Bottom	/	22.16	22.5	0.024	0.03	0.17

Table 14.17: SAR Values (LTE Band 7 - Head)

Frequency		Test Mode	Test Position	Figure No.	Ambient Temperature: 22.2°C		Liquid Temperature: 21.7°C		Power Drift(dB)
MHz	Ch.				Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	
2535	21100	1RB_Mid	Left Touch	Fig.17	22.79	23.5	0.185	0.22	0.04
2535	21100	50RB_Mid	Left Touch	/	21.85	22.5	0.173	0.20	0.00
2535	21100	1RB_Mid	Left Tilt	/	22.79	23.5	0.062	0.07	0.05
2535	21100	50RB_Mid	Left Tilt	/	21.85	22.5	0.041	0.05	0.06
2535	21100	1RB_Mid	Right Touch	/	22.79	23.5	0.135	0.16	0.09
2535	21100	50RB_Mid	Right Touch	/	21.85	22.5	0.111	0.13	0.00
2535	21100	1RB_Mid	Right Tilt	/	22.79	23.5	0.076	0.09	0.05
2535	21100	50RB_Mid	Right Tilt	/	21.85	22.5	0.054	0.06	0.12

Table 14.18: SAR Values (LTE Band 7 - Body)

Frequency		Test Mode	Test Position	Figure No. / Note	Ambient Temperature: 22.2°C		Liquid Temperature: 21.7°C		Power Drift(dB)
MHz	Ch.				Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	
Hotspot / Body Worn Test Data (10mm)									
2535	21100	1RB_Mid	Front	/	22.79	23.5	0.112	0.13	-0.13
2535	21100	50RB_Mid	Front	/	21.85	22.5	0.091	0.11	-0.05
2535	21100	1RB_Mid	Rear	/	22.79	23.5	0.688	0.81	0.01
2535	21100	50RB_Mid	Rear	/	21.85	22.5	0.539	0.63	0.06
2535	21100	1RB_Mid	Left	/	22.79	23.5	0.180	0.21	-0.05
2535	21100	50RB_Mid	Left	/	21.85	22.5	0.143	0.17	-0.11
2535	21100	1RB_Mid	Right	/	22.79	23.5	0.015	0.02	0.02
2535	21100	50RB_Mid	Right	/	21.85	22.5	0.012	0.01	0.07
2535	21100	1RB_Mid	Bottom	/	22.79	23.5	0.094	0.11	-0.07
2535	21100	50RB_Mid	Bottom	/	21.85	22.5	0.079	0.09	0.15
2560	21350	1RB_Mid	Rear	/	22.84	23.5	0.596	0.69	0.07
2510	20850	1RB_Mid	Rear	Fig.18	22.87	23.5	0.897	1.04	0.09
2535	21100	100RB	Rear	/	21.78	22.5	0.546	0.64	-0.10

Table 14.19: SAR Values (LTE Band 12 - Head)

Frequency		Test Mode	Test Position	Figure No.	Ambient Temperature: 22.5°C		Liquid Temperature: 22.0°C		Power Drift(dB)
MHz	Ch.				Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	
707.5	23095	1RB_Mid	Left Touch	Fig.19	22.83	23.5	0.030	0.03	0.09
707.5	23095	25RB_Low	Left Touch	/	21.89	22.5	0.029	0.03	0.09
707.5	23095	1RB_Mid	Left Tilt	/	22.83	23.5	0.024	0.03	0.05
707.5	23095	25RB_Low	Left Tilt	/	21.89	22.5	0.021	0.02	0.03
707.5	23095	1RB_Mid	Right Touch	/	22.83	23.5	0.026	0.03	0.06
707.5	23095	25RB_Low	Right Touch	/	21.89	22.5	0.022	0.02	-0.09
707.5	23095	1RB_Mid	Right Tilt	/	22.83	23.5	0.022	0.03	0.09
707.5	23095	25RB_Low	Right Tilt	/	21.89	22.5	0.019	0.02	0.02

Table 14.20: SAR Values (LTE Band 12 - Body)

Frequency		Test Mode	Test Position	Figure No.	Ambient Temperature: 22.8°C		Liquid Temperature: 22.2°C		Power Drift(dB)
MHz	Ch.				Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	
Hotspot / Body Worn Test Data (10mm)									
707.5	23095	1RB_Mid	Front	/	22.83	23.5	0.031	0.04	-0.09
707.5	23095	25RB_Low	Front	/	21.89	22.5	0.026	0.03	0.04
707.5	23095	1RB_Mid	Rear	Fig.20	22.83	23.5	0.091	0.11	-0.02
707.5	23095	25RB_Low	Rear	/	21.89	22.5	0.078	0.09	0.05
707.5	23095	1RB_Mid	Left	/	22.83	23.5	0.012	0.01	0.02
707.5	23095	25RB_Low	Left	/	21.89	22.5	0.010	0.01	0.05
707.5	23095	1RB_Mid	Right	/	22.83	23.5	0.003	< 0.01	0.01
707.5	23095	25RB_Low	Right	/	21.89	22.5	0.003	< 0.01	0.08
707.5	23095	1RB_Mid	Bottom	/	22.83	23.5	0.008	0.01	-0.04
707.5	23095	25RB_Low	Bottom	/	21.89	22.5	0.007	0.01	0.05

Table 14.21: SAR Values (LTE Band 17 - Head)

Frequency		Test Mode	Test Position	Figure No.	Ambient Temperature: 22.5°C		Liquid Temperature: 22.0°C		
MHz	Ch.				Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
710	23790	1RB_Mid	Left Touch	Fig.21	22.68	23.5	0.029	0.03	0.09
710	23790	25RB_Low	Left Touch	/	21.80	22.5	0.022	0.03	0.07
710	23790	1RB_Mid	Left Tilt	/	22.68	23.5	0.023	0.03	0.09
710	23790	25RB_Low	Left Tilt	/	21.80	22.5	0.018	0.02	0.07
710	23790	1RB_Mid	Right Touch	/	22.68	23.5	0.025	0.03	0.06
710	23790	25RB_Low	Right Touch	/	21.80	22.5	0.019	0.02	0.00
710	23790	1RB_Mid	Right Tilt	/	22.68	23.5	0.014	0.02	0.08
710	23790	25RB_Low	Right Tilt	/	21.80	22.5	0.011	0.01	0.05

Table 14.22: SAR Values (LTE Band 17 - Body)

Frequency		Test Mode	Test Position	Figure No.	Ambient Temperature: 22.8°C		Liquid Temperature: 22.2°C		
MHz	Ch.				Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Hotspot / Body Worn Test Data (10mm)									
710	23790	1RB_Mid	Front	/	22.68	23.5	0.030	0.04	0.06
710	23790	25RB_Low	Front	/	21.80	22.5	0.024	0.03	0.05
710	23790	1RB_Mid	Rear	Fig.22	22.68	23.5	0.089	0.11	0.03
710	23790	25RB_Low	Rear	/	21.80	22.5	0.069	0.08	0.03
710	23790	1RB_Mid	Left	/	22.68	23.5	0.011	0.01	0.09
710	23790	25RB_Low	Left	/	21.80	22.5	0.008	0.01	0.05
710	23790	1RB_Mid	Right	/	22.68	23.5	0.003	< 0.01	0.17
710	23790	25RB_Low	Right	/	21.80	22.5	0.002	< 0.01	-0.04
710	23790	1RB_Mid	Bottom	/	22.68	23.5	0.008	0.01	0.06
710	23790	25RB_Low	Bottom	/	21.80	22.5	0.007	0.01	-0.04

Table 14.23: SAR Values (LTE Band 38 - Head)

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.								
Ambient Temperature: 22.2°C Liquid Temperature: 21.7°C									
2595	38000	1RB_Mid	Left Touch	Fig.23	22.59	23.5	0.102	0.13	-0.09
2595	38000	50RB_Low	Left Touch	/	21.56	22.5	0.100	0.12	0.00
2595	38000	1RB_Mid	Left Tilt	/	22.59	23.5	0.037	0.05	0.01
2595	38000	50RB_Low	Left Tilt	/	21.56	22.5	0.016	0.02	0.03
2595	38000	1RB_Mid	Right Touch	/	22.59	23.5	0.068	0.08	0.09
2595	38000	50RB_Low	Right Touch	/	21.56	22.5	0.050	0.06	0.00
2595	38000	1RB_Mid	Right Tilt	/	22.59	23.5	0.044	0.05	0.05
2595	38000	50RB_Low	Right Tilt	/	21.56	22.5	0.031	0.04	0.11

Table 14.24: SAR Values (LTE Band 38 - Body)

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.								
Ambient Temperature: 22.2°C Liquid Temperature: 21.7°C									
Hotspot / Body Worn Test Data (10mm)									
2595	38000	1RB_Mid	Front	/	22.59	23.5	0.055	0.07	0.09
2595	38000	50RB_Low	Front	/	21.56	22.5	0.045	0.06	0.02
2595	38000	1RB_Mid	Rear	Fig.24	22.59	23.5	0.403	0.50	0.09
2595	38000	50RB_Low	Rear	/	21.56	22.5	0.278	0.35	0.00
2595	38000	1RB_Mid	Left	/	22.59	23.5	0.102	0.13	0.04
2595	38000	50RB_Low	Left	/	21.56	22.5	0.083	0.10	0.08
2595	38000	1RB_Mid	Right	/	22.59	23.5	0.009	0.01	-0.10
2595	38000	50RB_Low	Right	/	21.56	22.5	0.003	0.00	-0.05
2595	38000	1RB_Mid	Bottom	/	22.59	23.5	0.037	0.05	0.05
2595	38000	50RB_Low	Bottom	/	21.56	22.5	0.029	0.04	-0.13

Table 14.25: SAR Values (LTE Band 66 - Head)

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.								
Ambient Temperature: 22.2°C Liquid Temperature: 21.7°C									
1745	132322	1RB_Mid	Left Touch	Fig.25	23.69	24	0.078	0.08	0.05
1745	132322	50RB_Mid	Left Touch	/	22.70	23	0.060	0.06	-0.13
1745	132322	1RB_Low	Left Tilt	/	23.69	24	0.035	0.04	-0.04
1745	132322	50RB_Low	Left Tilt	/	22.70	23	0.026	0.03	-0.07
1745	132322	1RB_Low	Right Touch	/	23.69	24	0.053	0.06	-0.04
1745	132322	50RB_Low	Right Touch	/	22.70	23	0.042	0.05	0.05
1745	132322	1RB_Low	Right Tilt	/	23.69	24	0.028	0.03	-0.10
1745	132322	50RB_Low	Right Tilt	/	22.70	23	0.025	0.03	0.08

Table 14.26: SAR Values (LTE Band 66 - Body)

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.								
Ambient Temperature: 22.2°C Liquid Temperature: 21.7°C									
Hotspot / Body Worn Test Data (10mm)									
1745	132322	1RB_Mid	Front	/	23.69	24	0.136	0.15	0.12
1745	132322	50RB_Mid	Front	/	22.70	23	0.108	0.12	0.05
1745	132322	1RB_Mid	Rear	/	23.69	24	0.960	1.03	-0.06
1745	132322	50RB_Mid	Rear	/	22.70	23	0.754	0.81	-0.06
1745	132322	1RB_Mid	Left	/	23.69	24	0.067	0.07	0.04
1745	132322	50RB_Mid	Left	/	22.70	23	0.054	0.06	0.06
1745	132322	1RB_Mid	Right	/	23.69	24	0.084	0.09	0.05
1745	132322	50RB_Mid	Right	/	22.70	23	0.007	0.01	0.08
1745	132322	1RB_Mid	Bottom	/	23.69	24	0.370	0.40	-0.15
1745	132322	50RB_Mid	Bottom	/	22.70	23	0.311	0.33	-0.07
1770	132572	1RB_Mid	Rear	/	23.75	24	0.758	0.80	-0.13
1720	132072	1RB_Mid	Rear	Fig.26	23.67	24	1.020	1.10	0.03
1770	132572	50RB_Mid	Rear	/	22.80	23	0.617	0.65	0.07
1720	132072	50RB_Mid	Rear	/	22.57	23	0.696	0.77	0.06
1745	132322	100RB	Rear	/	22.61	23	0.666	0.73	-0.10

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 14.27: SAR Values (WLAN 2.4G - Head)

Frequency		Test Mode	Test Position	Figure No.	Ambient Temperature: 22.6°C		Liquid Temperature: 22.0°C		Power Drift(dB)
MHz	Ch.				Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	
2437	6	802.11 b	Left Touch	Fig.27	13.49	14	1.070	1.20	0.06
2437	6	802.11 b	Left Tilt	/	13.49	14	1.010	1.14	-0.03
2437	6	802.11 b	Right Touch	/	13.49	14	0.470	0.53	-0.06
2437	6	802.11 b	Right Tilt	/	13.49	14	0.436	0.49	0.01
2462	11	802.11 b	Left Touch	/	13.45	14	0.771	0.88	0.16
2462	11	802.11 b	Left Tilt	/	13.45	14	0.706	0.80	-0.03

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 14.28: SAR Values (WLAN - Head) – 802.11b 1Mbps (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%	1.20	1.20

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

Table 14.29: SAR Values (WLAN 2.4G - Body)

Frequency		Ambient Temperature: 22.6°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)
2437	6	802.11 b	Front	Fig.28	13.49	14	0.182	0.20	0.08
2437	6	802.11 b	Rear	/	13.49	14	0.056	0.06	-0.08
2437	6	802.11 b	Right	/	13.49	14	0.014	0.02	-0.09
2437	6	802.11 b	Top	/	13.49	14	0.158	0.18	0.04

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 14.30: SAR Values (WLAN - Body) – 802.11b 1Mbps (Scaled Reported SAR)

Frequency		Ambient Temperature: 22.6°C			Liquid Temperature: 22.0°C	
MHz	Ch.	Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
2437	6	Front	100%	100%	0.120	0.120

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

14.3 WLAN Evaluation for 5G

Table 14.31: SAR Values (WLAN 5G - Head)

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.								
Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C									
U-NII-2A									
5280	56	802.11 a	Left Touch	/	13.23	14	0.447	0.53	0.05
5280	56	802.11 a	Left Tilt	/	13.23	14	0.438	0.52	0.06
5280	56	802.11 a	Right Touch	/	13.23	14	0.351	0.42	-0.04
5280	56	802.11 a	Right Tilt	/	13.23	14	0.376	0.45	0.07
U-NII-2C									
5500	100	802.11 a	Left Touch	/	12.46	13	0.481	0.54	0.14
5500	100	802.11 a	Left Tilt	/	12.46	13	0.480	0.54	0.14
5500	100	802.11 a	Right Touch	/	12.46	13	0.298	0.34	0.03
5500	100	802.11 a	Right Tilt	/	12.46	13	0.317	0.36	0.01
U-NII-3									
5785	157	802.11 a	Left Touch	Fig.29	11.75	13	0.522	0.70	0.09
5785	157	802.11 a	Left Tilt	/	11.75	13	0.457	0.61	0.09
5785	157	802.11 a	Right Touch	/	11.75	13	0.329	0.44	-0.08
5785	157	802.11 a	Right Tilt	/	11.75	13	0.314	0.42	0.09

Note1: U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.

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.

Table 14.32: SAR Values (WLAN 5G - Head) – (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.					
5785	157	Right Tilt	100%	100%	0.70	0.70

Table 14.33: SAR Values (WLAN 5G - Body)

Frequency		Test Mode	Test Position	Figure No.	Ambient Temperature: 22.5°C		Liquid Temperature: 22.0°C		
MHz	Ch.				Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
U-NII-2A									
5280	56	802.11 a	Front	/	13.23	14	0.079	0.09	-0.09
5280	56	802.11 a	Rear	/	13.23	14	0.143	0.17	0.03
5280	56	802.11 a	Right	/	13.23	14	0.078	0.09	0.04
5280	56	802.11 a	Top	/	13.23	14	0.046	0.06	0.01
U-NII-2C									
5500	100	802.11 a	Front	/	12.46	13	0.070	0.08	0.09
5500	100	802.11 a	Rear	/	12.46	13	0.134	0.15	-0.09
5500	100	802.11 a	Right	/	12.46	13	0.113	0.13	0.00
5500	100	802.11 a	Top	/	12.46	13	0.111	0.13	0.03
U-NII-3									
5785	157	802.11 a	Front	/	11.75	13	0.047	0.06	0.01
5785	157	802.11 a	Rear	Fig.30	11.75	13	0.180	0.24	0.00
5785	157	802.11 a	Right	/	11.75	13	0.132	0.18	0.04
5785	157	802.11 a	Top	/	11.75	13	0.147	0.20	0.01

Note1: U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.

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.

Table 14.34: SAR Values (WLAN 5G - Body) – (Scaled Reported SAR)

Frequency		Test Position	Actual duty factor	maximum duty factor	Ambient Temperature: 22.5°C		Liquid Temperature: 22.0°C	
MHz	Ch.				Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)		
5785	157	Rear	100%	100%	0.24	0.24		

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 (~ 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 – WCDMA1700

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
MHz	Ch.		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
1712.4	1312	Rear	1.14	1.11	1.03	/

Table 15.2: SAR Measurement Variability for Body – LTE Band 4

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
MHz	Ch.		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
1720	20050	Rear	0.941	0.928	1.01	/

Table 15.3: SAR Measurement Variability for Body – LTE Band 7

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
MHz	Ch.		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
2510	20850	Rear	0.897	0.881	1.02	/

Table 15.4: SAR Measurement Variability for Body – LTE Band 66

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
MHz	Ch.		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
1720	132072	Rear	1.02	0.985	1.04	/

Table 15.5: SAR Measurement Variability for Head – WLAN 2.4G

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 Touch	1.07	1.03	1.04	/

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	

16.3 Measurement Uncertainty for Normal SAR Tests (3GHz~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	13	N	2	1	1	6.5	6.5	∞
2	Isotropy	B	7.4	R	$\sqrt{3}$	1	1	4.3	4.3	∞
3	Boundary effect	B	2.3	R	$\sqrt{3}$	1	1	1.3	1.3	∞
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	0.71	R	$\sqrt{3}$	1	1	0.4	0.4	∞
12	Probe positioning with respect to phantom shell	B	5.7	R	$\sqrt{3}$	1	1	3.3	3.3	∞
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	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		$u_c = \sqrt{\sum_{i=1}^{21} c_i^2 u_i^2}$						11.3	11.2	95.5
Expanded uncertainty (Confidence interval of 95 %)		$u_e = 2u_c$						22.6	22.4	

16.4 Measurement Uncertainty for Fast SAR Tests (3GHz~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	13	N	2	1	1	6.5	6.5	∞
2	Isotropy	B	7.4	R	$\sqrt{3}$	1	1	4.3	4.3	∞
3	Boundary effect	B	2.3	R	$\sqrt{3}$	1	1	1.3	1.3	∞
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	0.71	R	$\sqrt{3}$	1	1	0.4	0.4	∞
12	Probe positioning with respect to phantom shell	B	5.7	R	$\sqrt{3}$	1	1	3.3	3.3	∞
13	Post-processing	B	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
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	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		$u_c = \sqrt{\sum_{i=1}^{22} c_i^2 u_i^2}$						13.9	13.9	257
Expanded uncertainty (Confidence interval of 95 %)		$u_e = 2u_c$						27.8	27.7	

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	2018-06-04	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	1010	2018-08-24	Three year
17	Dipole Validation Kit	SPEAG D5GHzV2	1238	2016-09-21	Three year
18	BTS	E5515C	GB46110722	2019-01-18	One year
19	Radio Communication Analyzer	Anristu MT8820C	6201341853	2019-03-07	One year

END OF REPORT BODY

ANNEX A Graph Results

GSM850 Head

Date: 2019-3-15

Electronics: DAE4 Sn786

Medium: Head 835 MHz

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.961$ S/m; $\epsilon_r = 40.419$; $\rho = 1000$ 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 (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.047 W/kg

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

Reference Value = 1.550 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.062 W/kg

SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.045 W/kg

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

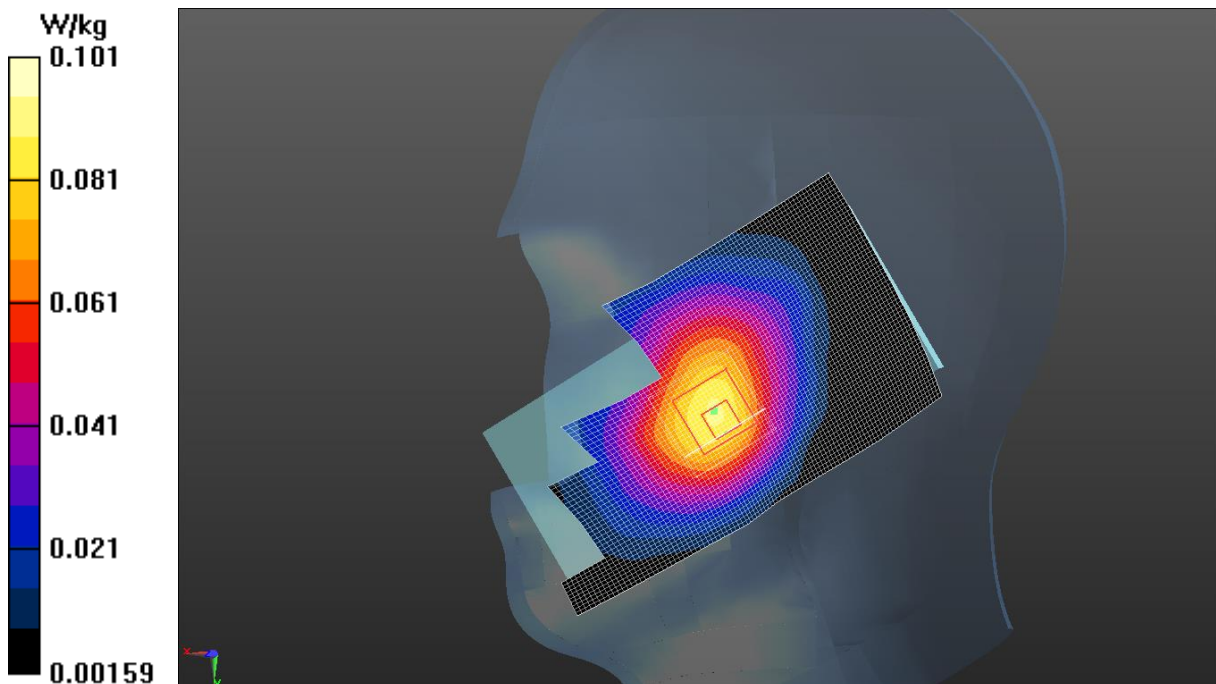


Fig.1 GSM 850MHz

GSM850 Body

Date: 2019-3-15

Electronics: DAE4 Sn786

Medium: Body 835 MHz

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.995$ S/m; $\epsilon_r = 53.771$; $\rho = 1000$ 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 (9.56, 9.56, 9.56)

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

Maximum value of SAR (interpolated) = 0.169 W/kg

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

Reference Value = 10.59 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.236 W/kg

SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.063 W/kg

Maximum value of SAR (measured) = 0.118 W/kg

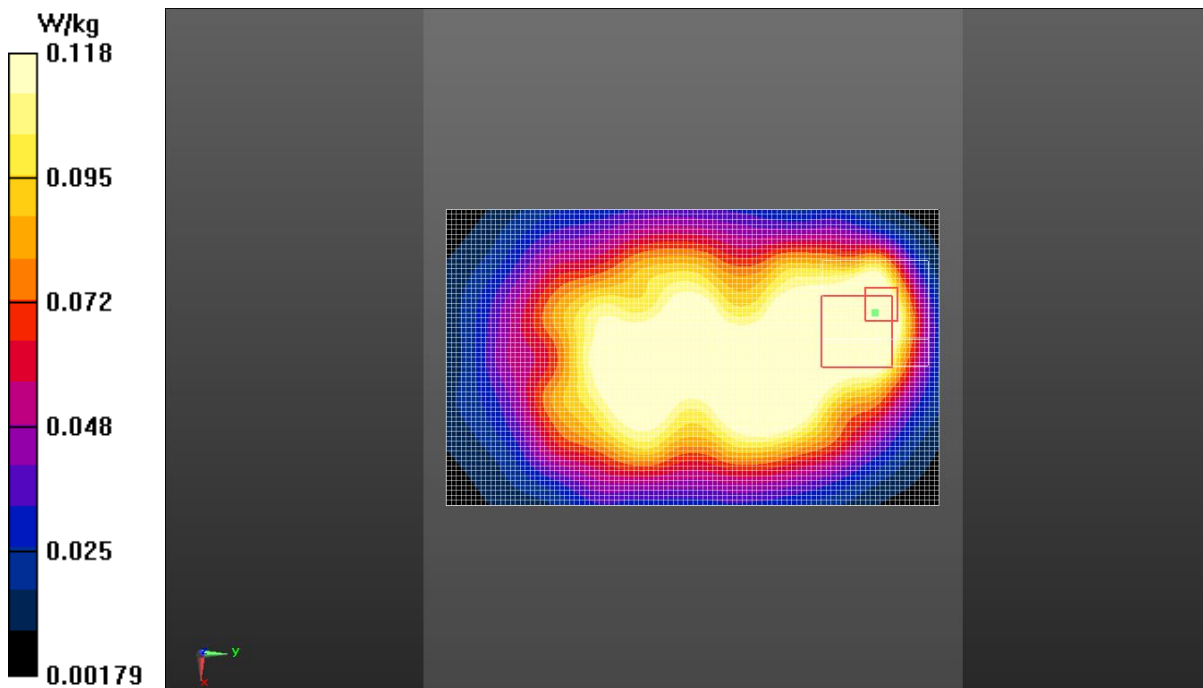


Fig.2 GSM 850 MHz

GSM1900 Head

Date: 2019-3-28

Electronics: DAE4 Sn786

Medium: Head 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.358$ S/m; $\epsilon_r = 40.763$; $\rho = 1000$ 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)

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

Maximum value of SAR (interpolated) = 0.060 W/kg

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

Reference Value = 0.484 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.033 W/kg

SAR(1 g) = 0.030 W/kg; SAR(10 g) = 0.017 W/kg

Maximum value of SAR (measured) = 0.038 W/kg

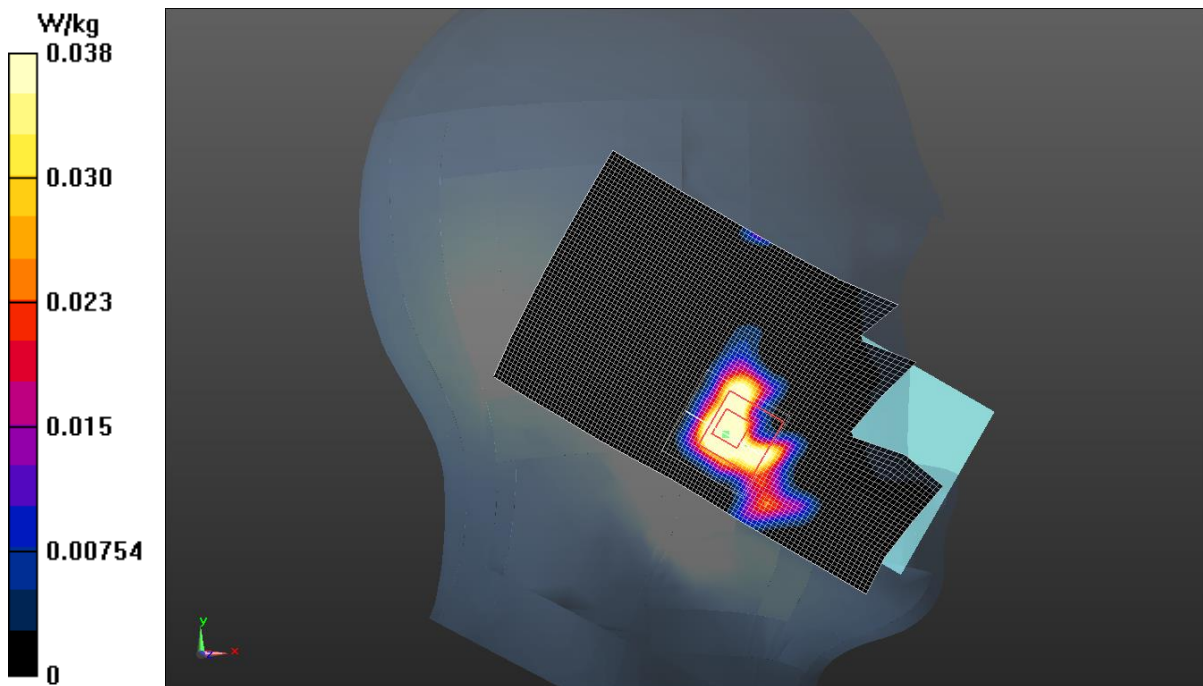


Fig.3 GSM 1900 MHz

GSM1900 Body

Date: 2019-3-28

Electronics: DAE4 Sn786

Medium: Body 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.549$ S/m; $\epsilon_r = 52.992$; $\rho = 1000$ kg/m³

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 (7.67, 7.67, 7.67)

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

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

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

Reference Value = 4.426 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.945 W/kg

SAR(1 g) = 0.546 W/kg; SAR(10 g) = 0.272 W/kg

Maximum value of SAR (measured) = 0.747 W/kg

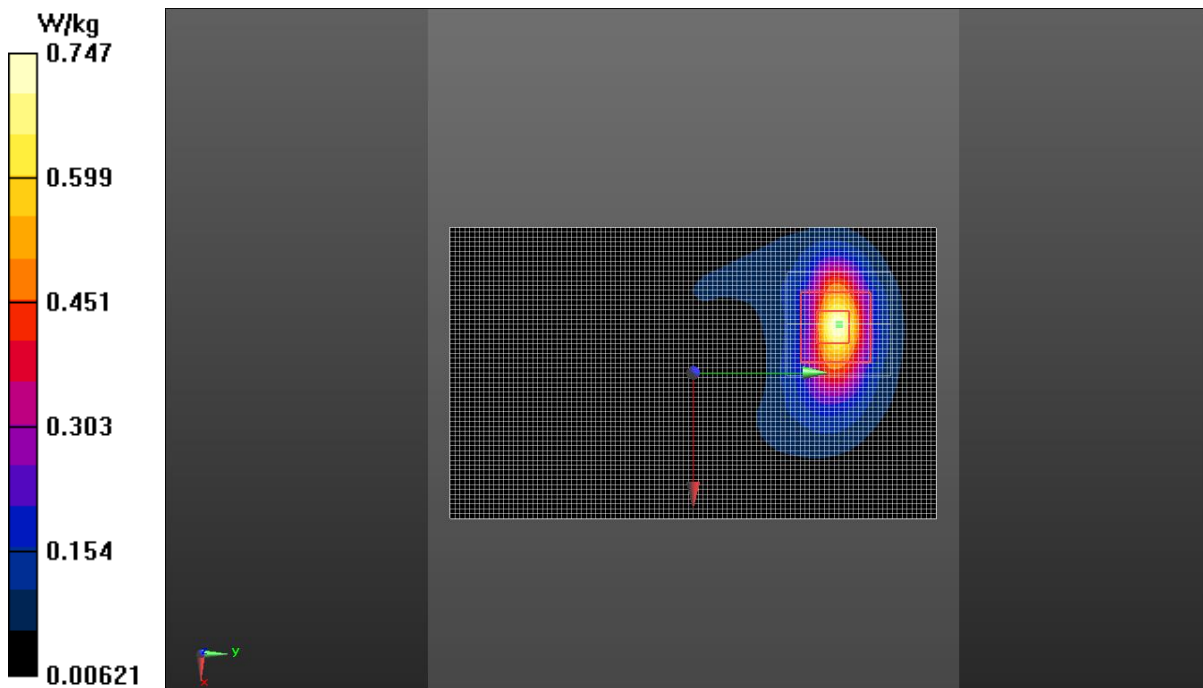


Fig.4 GSM 1900 MHz

WCDMA 850 Head

Date: 2019-3-15

Electronics: DAE4 Sn786

Medium: Head 835 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.961$ S/m; $\epsilon_r = 40.42$; $\rho = 1000$ 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)

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

Maximum value of SAR (interpolated) = 0.077 W/kg

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

Reference Value = 2.473 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.094 W/kg

SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.051 W/kg

Maximum value of SAR (measured) = 0.083 W/kg

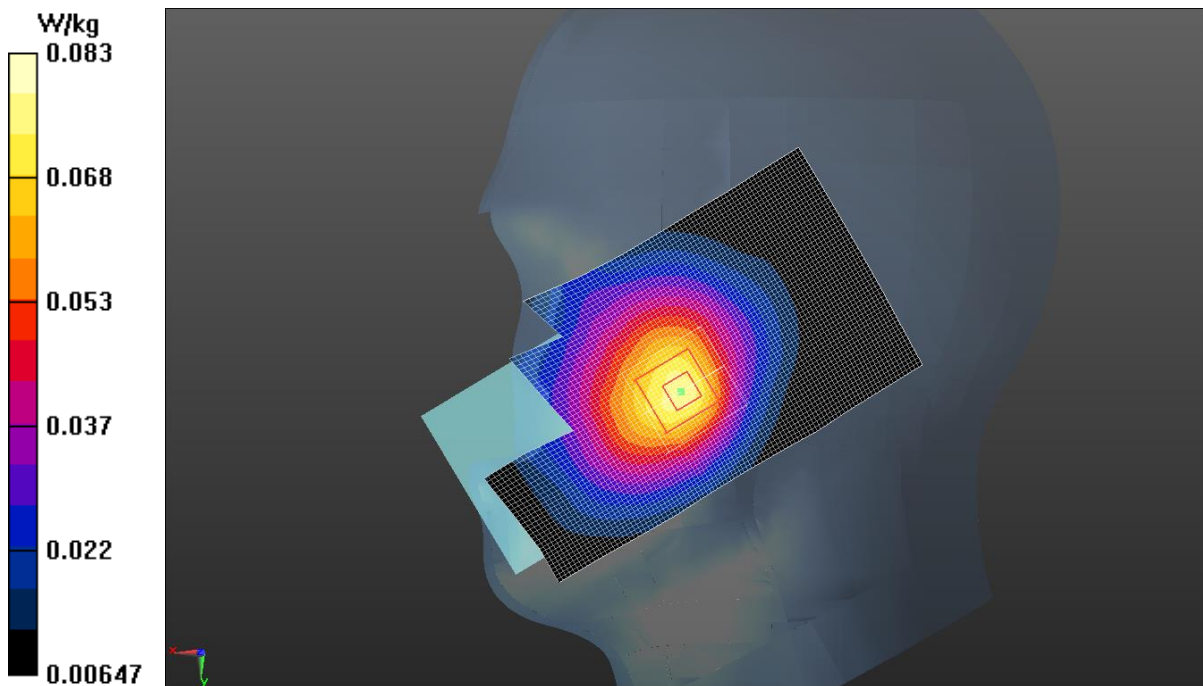


Fig.5 WCDMA 850

WCDMA 850 Body

Date: 2019-3-15

Electronics: DAE4 Sn786

Medium: Body 835 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.995$ S/m; $\epsilon_r = 53.773$; $\rho = 1000$ 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 (9.56, 9.56, 9.56)

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

Maximum value of SAR (interpolated) = 0.145 W/kg

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

Reference Value = 10.01 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.169 W/kg

SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.064 W/kg

Maximum value of SAR (measured) = 0.107 W/kg

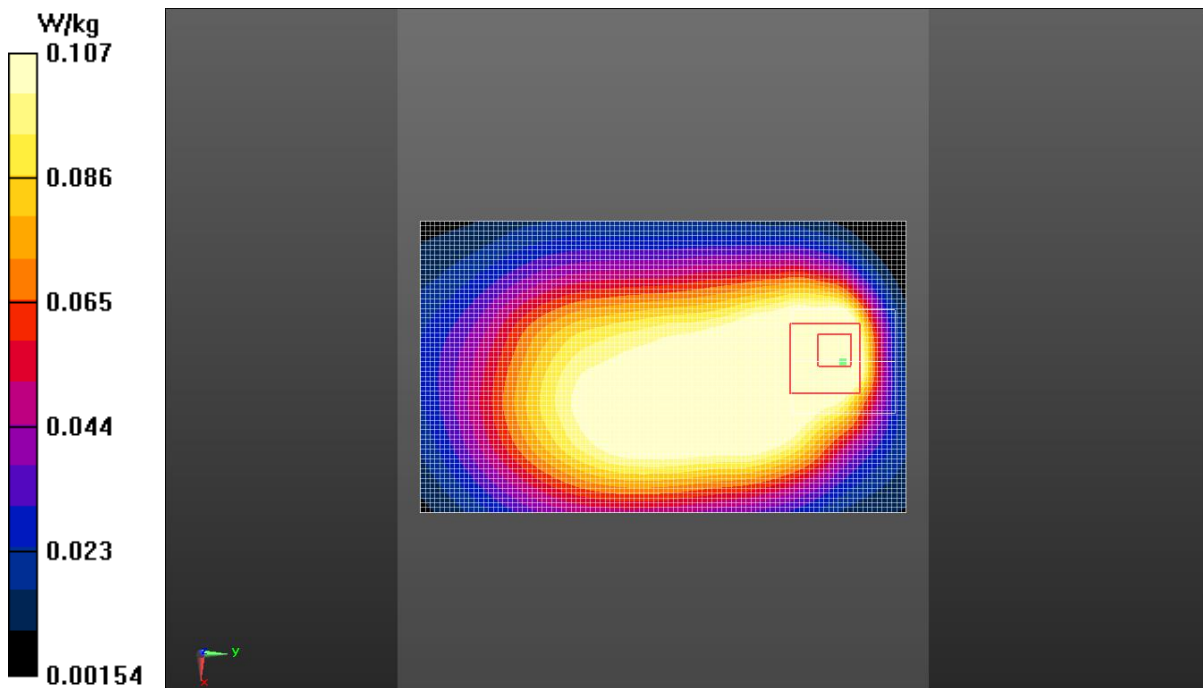


Fig.6 WCDMA 850

WCDMA 1900 Head

Date: 2019-3-28

Electronics: DAE4 Sn786

Medium: Head 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.358$ S/m; $\epsilon_r = 40.763$; $\rho = 1000$ 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)

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

Maximum value of SAR (interpolated) = 0.102 W/kg

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

Reference Value = 0.589 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.108 W/kg

SAR(1 g) = 0.064 W/kg; SAR(10 g) = 0.036 W/kg

Maximum value of SAR (measured) = 0.084 W/kg

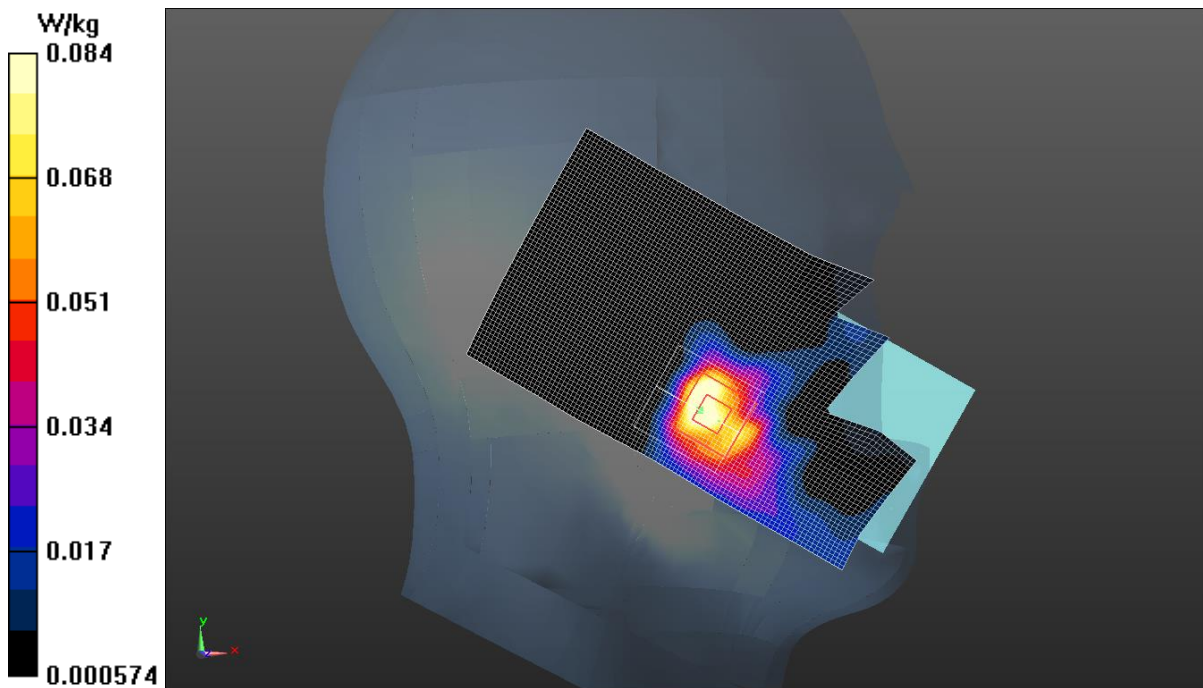


Fig.7 WCDMA 1900

WCDMA 1900 Body

Date: 2019-3-28

Electronics: DAE4 Sn786

Medium: Body 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.549$ S/m; $\epsilon_r = 52.992$; $\rho = 1000$ 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 (7.67, 7.67, 7.67)

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

Maximum value of SAR (interpolated) = 0.927 W/kg

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

Reference Value = 4.302 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.692 W/kg; SAR(10 g) = 0.342 W/kg

Maximum value of SAR (measured) = 0.934 W/kg

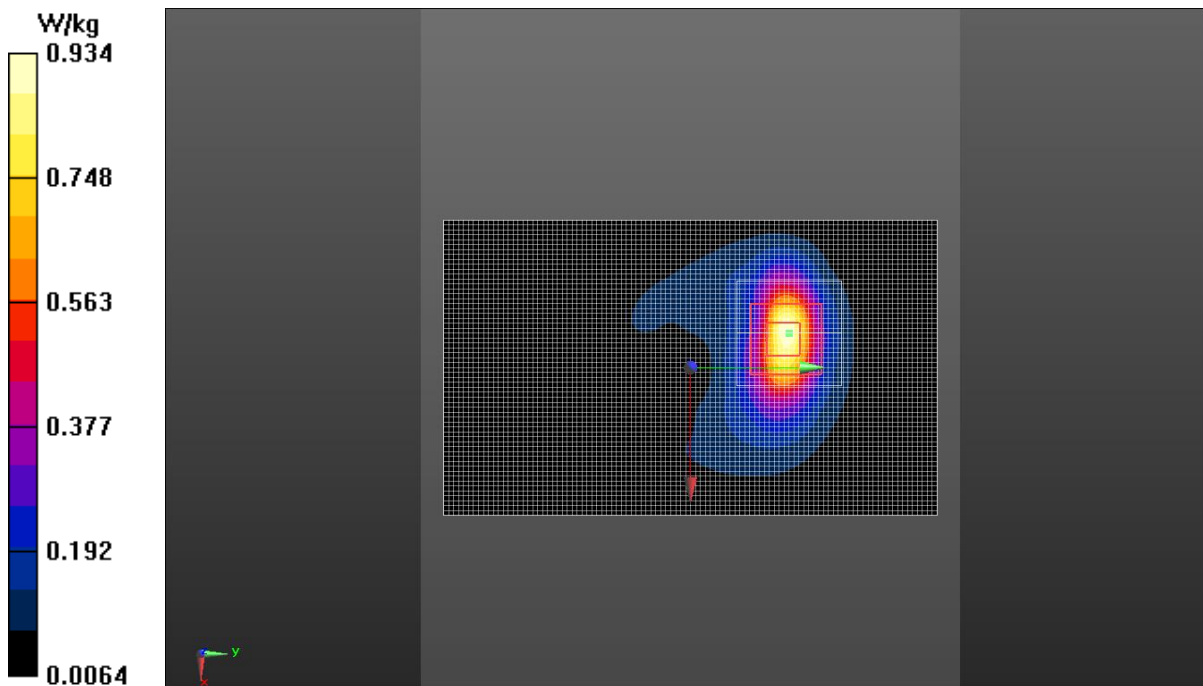


Fig.8 WCDMA 1900

WCDMA 1700 Head

Date: 2019-3-30

Electronics: DAE4 Sn786

Medium: Head 1750 MHz

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.345$ S/m; $\epsilon_r = 40.882$; $\rho = 1000$ 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)

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

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

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

Reference Value = 0.554 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.151 W/kg

SAR(1 g) = 0.094 W/kg; SAR(10 g) = 0.056 W/kg

Maximum value of SAR (measured) = 0.121 W/kg

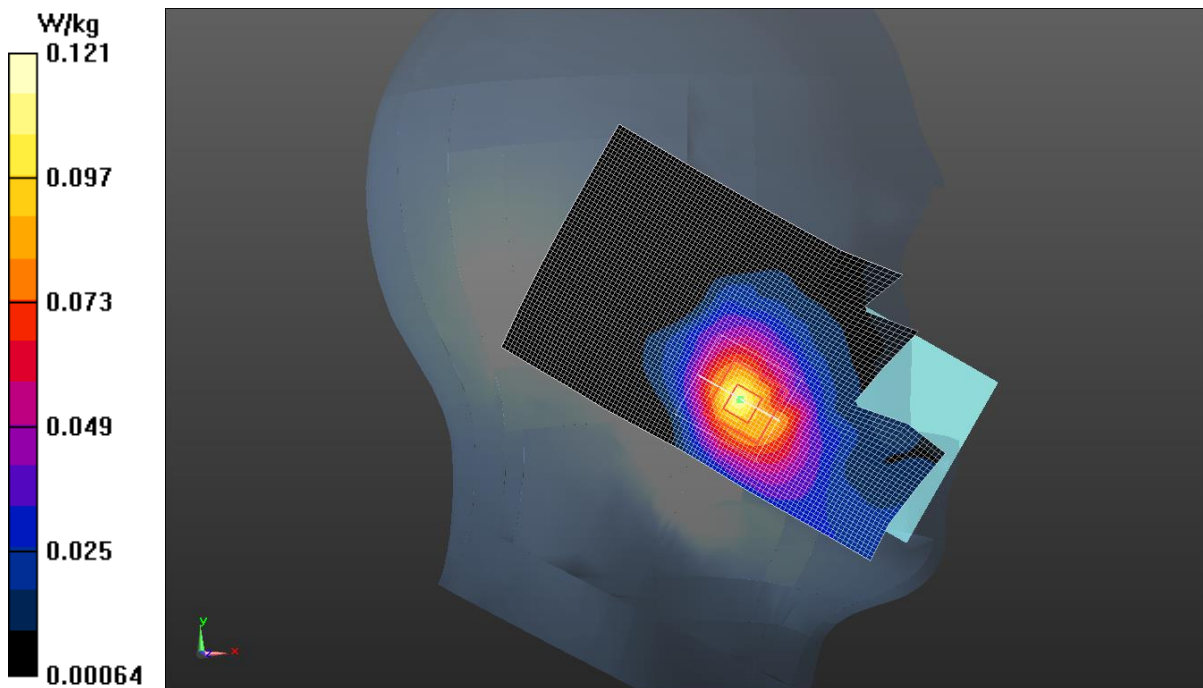


Fig.9 WCDMA 1700

WCDMA 1700 Body

Date: 2019-3-30

Electronics: DAE4 Sn786

Medium: Body 1750 MHz

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.41$ S/m; $\epsilon_r = 53.472$; $\rho = 1000$ kg/m³

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

Communication System: UID 0, WCDMA (0) Frequency: 1712.4 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (7.93, 7.93, 7.93)

Rear Side Low/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.38 W/kg

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

Reference Value = 7.618 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.96 W/kg

SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.581 W/kg

Maximum value of SAR (measured) = 1.54 W/kg

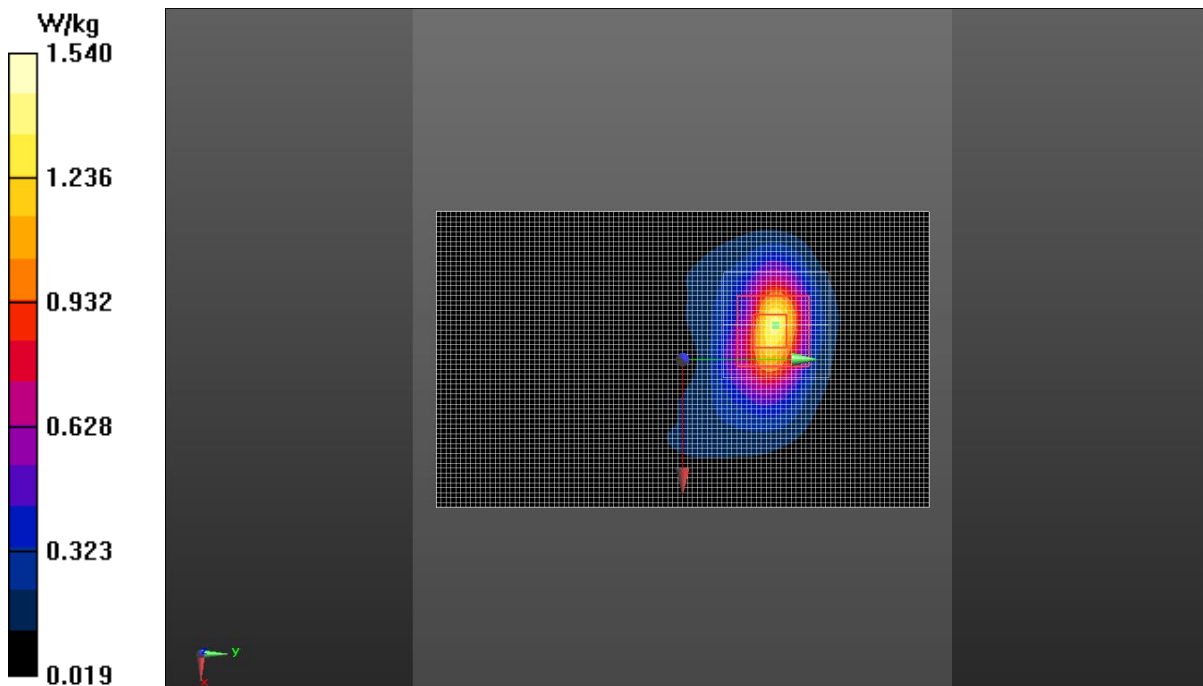


Fig.10 WCDMA 1700

LTE Band 2 Head

Date: 2019-3-28

Electronics: DAE4 Sn786

Medium: Head 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.358$ S/m; $\epsilon_r = 40.763$; $\rho = 1000$ kg/m³

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

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

Probe: EX3DV4 - SN3633 ConvF (7.63, 7.63, 7.63)

Left Cheek Middle 1RB_Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.074 W/kg

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

Reference Value = 0.254 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.103 W/kg

SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.035 W/kg

Maximum value of SAR (measured) = 0.082 W/kg

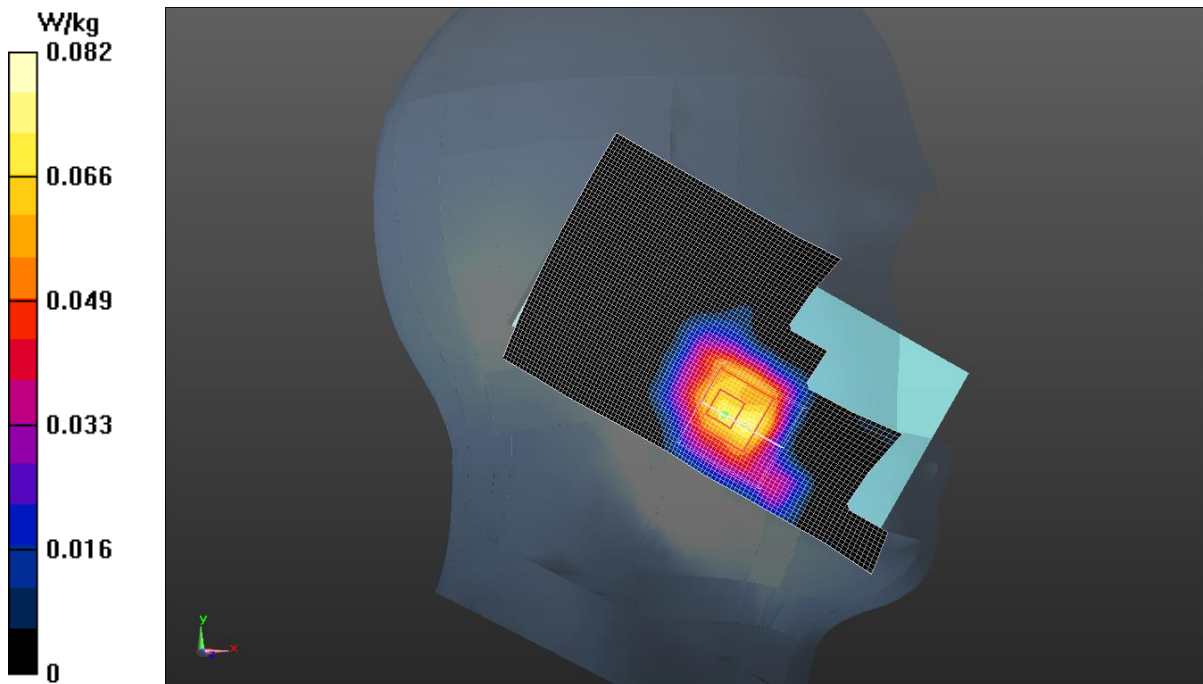


Fig.11 LTE Band 2

LTE Band 2 Body

Date: 2019-3-28

Electronics: DAE4 Sn786

Medium: Body 1900 MHz

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.532$ S/m; $\epsilon_r = 53.039$; $\rho = 1000$ 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 (7.67, 7.67, 7.67)

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

Maximum value of SAR (interpolated) = 1.07 W/kg

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

Reference Value = 4.314 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.785 W/kg; SAR(10 g) = 0.384 W/kg

Maximum value of SAR (measured) = 1.06 W/kg

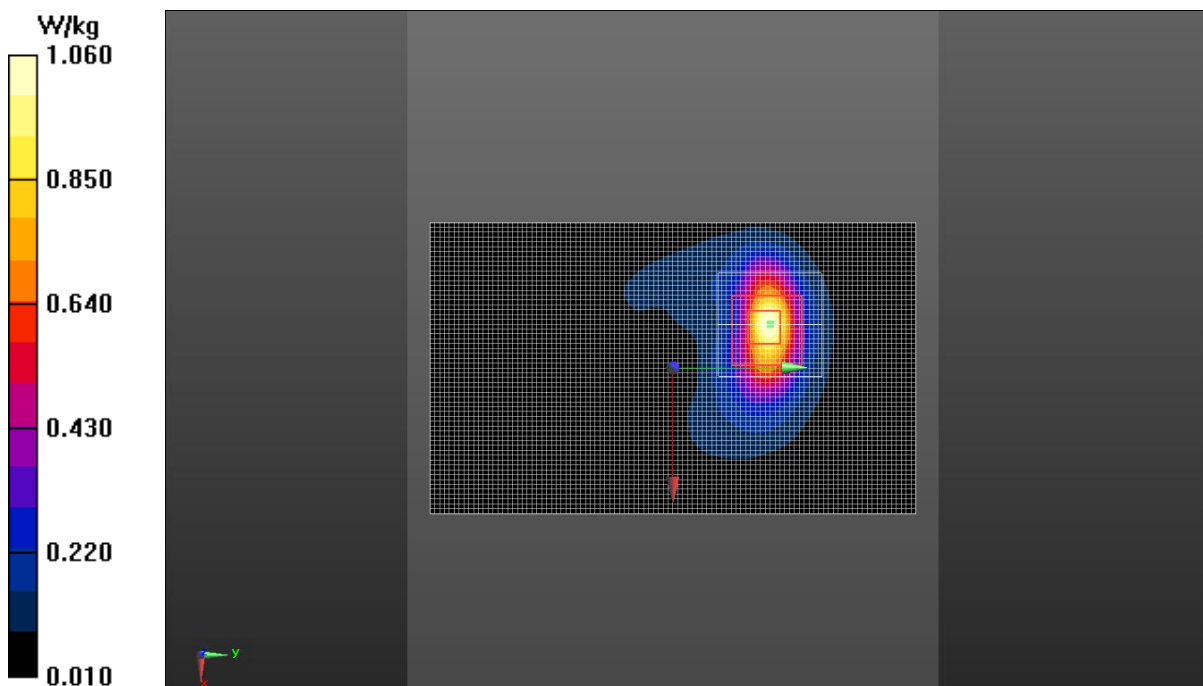


Fig.12 LTE Band 2

LTE Band 4 Head

Date: 2019-3-30

Electronics: DAE4 Sn786

Medium: Head 1750 MHz

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.344$ S/m; $\epsilon_r = 40.884$; $\rho = 1000$ kg/m³

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

Communication System: UID 0, LTE_FDD (0) Frequency: 1732.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (8.07, 8.07, 8.07)

Left Cheek Middle 1RB_Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.097 W/kg

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

Reference Value = 1.159 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.141 W/kg

SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.047 W/kg

Maximum value of SAR (measured) = 0.113 W/kg

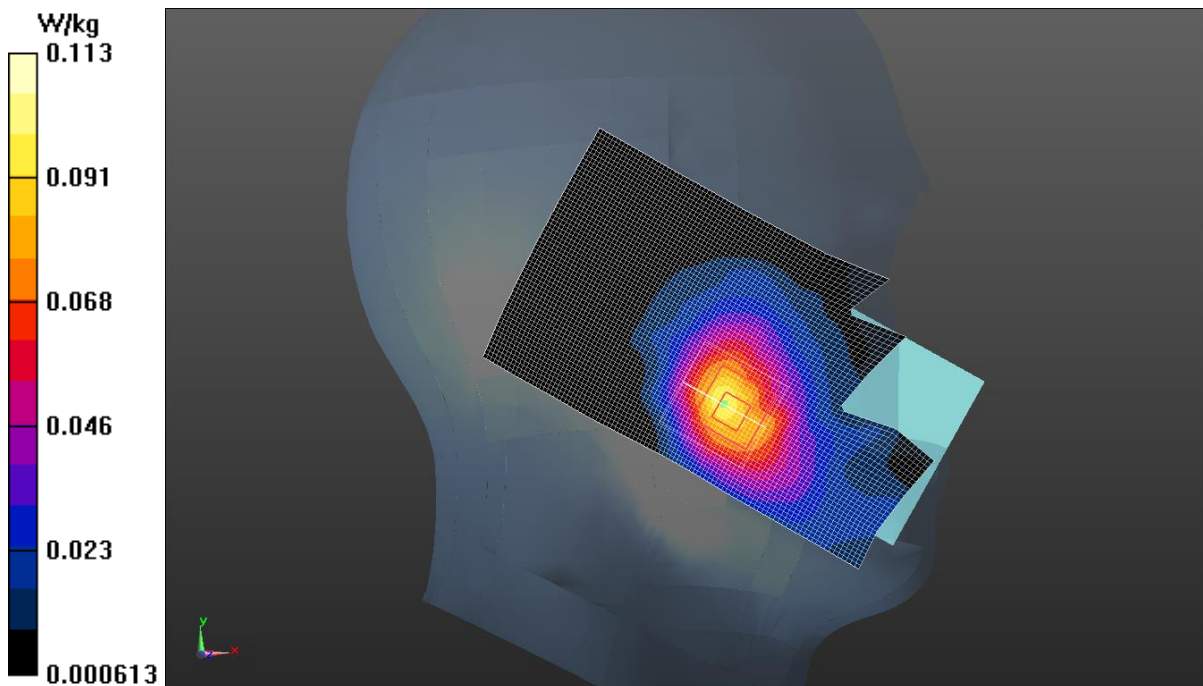


Fig.13 LTE Band 4

LTE Band 4 Body

Date: 2019-3-30

Electronics: DAE4 Sn786

Medium: Body 1750 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 53.455$; $\rho = 1000$ kg/m³

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

Communication System: UID 0, LTE_FDD (0) Frequency: 1720 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (7.93, 7.93, 7.93)

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

Maximum value of SAR (interpolated) = 1.76 W/kg

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

Reference Value = 7.280 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.25 W/kg

SAR(1 g) = 0.941 W/kg; SAR(10 g) = 0.485 W/kg

Maximum value of SAR (measured) = 1.78 W/kg

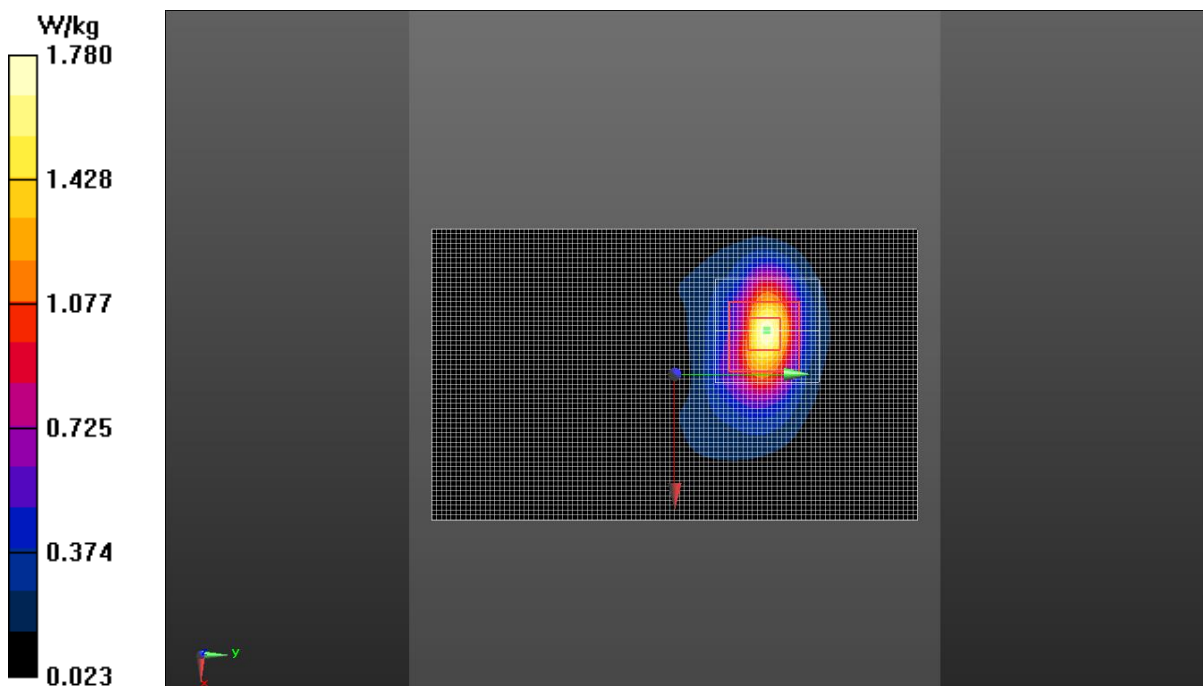


Fig.14 LTE Band 4

LTE Band 5 Head

Date: 2019-3-15

Electronics: DAE4 Sn786

Medium: Head 835 MHz

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.961$ S/m; $\epsilon_r = 40.419$; $\rho = 1000$ 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 (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.093 W/kg

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

Reference Value = 1.674 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.154 W/kg

SAR(1 g) = 0.086 W/kg; SAR(10 g) = 0.062 W/kg

Maximum value of SAR (measured) = 0.112 W/kg

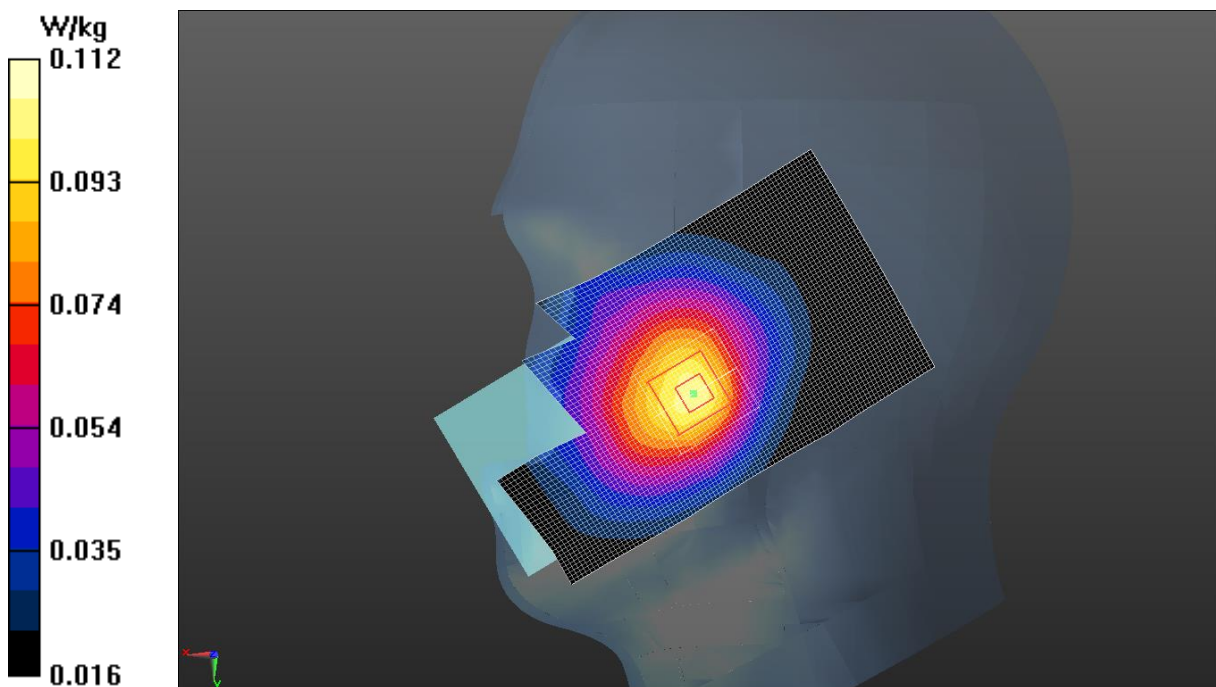


Fig.15 LTE Band 5

LTE Band 5 Body

Date: 2019-3-15

Electronics: DAE4 Sn786

Medium: Body 835 MHz

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.995$ S/m; $\epsilon_r = 53.772$; $\rho = 1000$ 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 (9.56, 9.56, 9.56)

Rear side Middle 1RB_Mid/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.176 W/kg

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

Reference Value = 11.69 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.195 W/kg

SAR(1 g) = 0.140 W/kg; SAR(10 g) = 0.099 W/kg

Maximum value of SAR (measured) = 0.158 W/kg

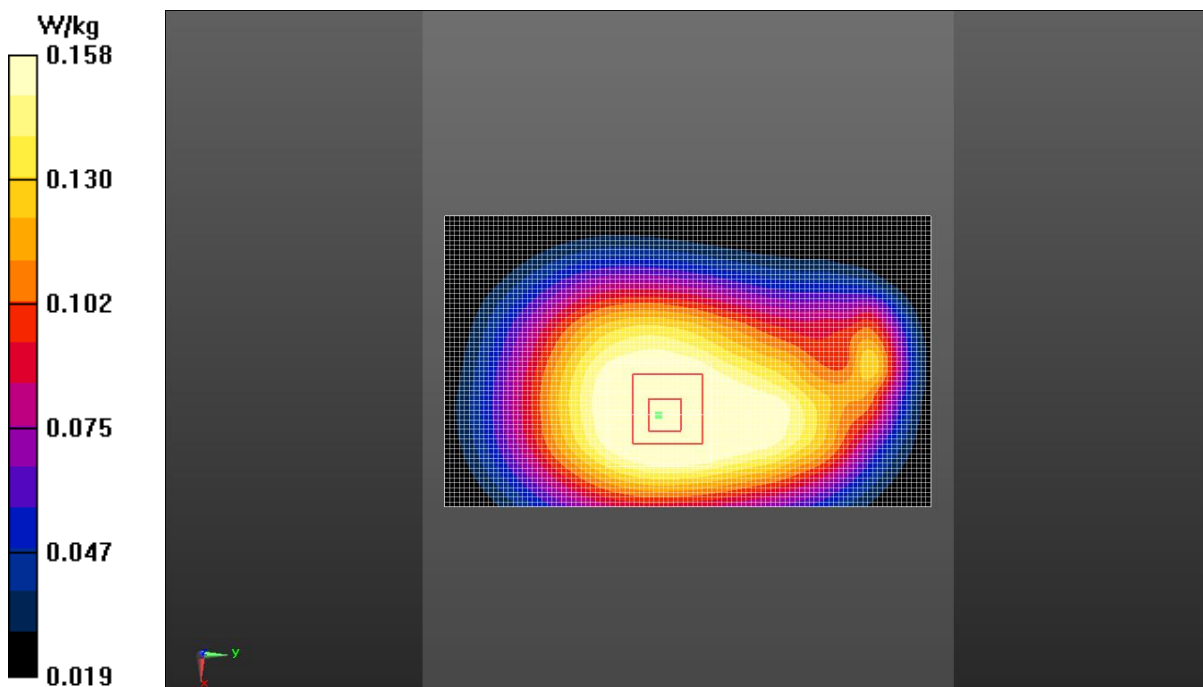


Fig.16 LTE Band 5

LTE Band 7 Head

Date: 2019-3-25

Electronics: DAE4 Sn786

Medium: Head 2550 MHz

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.936$ S/m; $\epsilon_r = 38.417$; $\rho = 1000$ kg/m³

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

Communication System: UID 0, LTE_FDD (0) Frequency: 2535 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (7.33, 7.33, 7.33)

Left Cheek Middle 1RB_Mid/Area Scan (61x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.222 W/kg

Left Cheek Middle 1RB_Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.765 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.337 W/kg

SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.099 W/kg

Maximum value of SAR (measured) = 0.258 W/kg

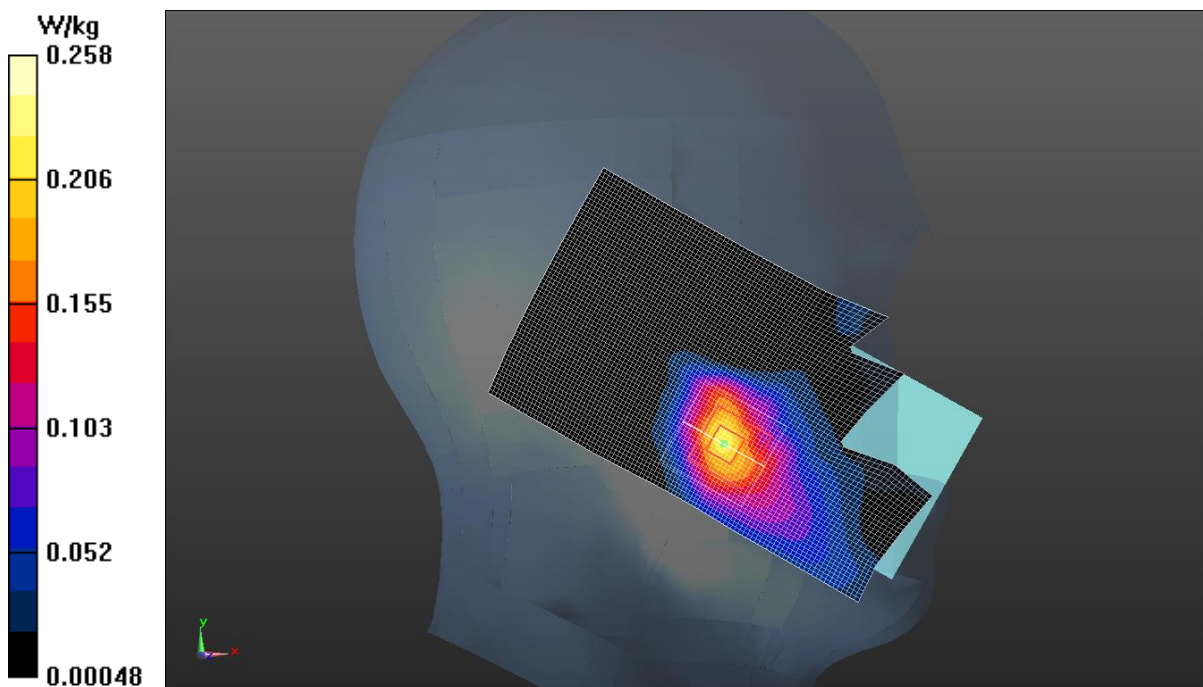


Fig.17 LTE Band 7

LTE Band 7 Body

Date: 2019-3-25

Electronics: DAE4 Sn786

Medium: Body 2550 MHz

Medium parameters used: $f = 2510$ MHz; $\sigma = 2.01$ S/m; $\epsilon_r = 53.642$; $\rho = 1000$ kg/m³

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

Communication System: UID 0, 4G_LTE_FDD (0) Frequency: 2510 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3633 ConvF (7.4, 7.4, 7.4);

Rear Side Low 1RB_Mid/Area Scan (61x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.06 W/kg

Rear Side Low 1RB_Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.477 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 0.897 W/kg; SAR(10 g) = 0.384 W/kg

Maximum value of SAR (measured) = 1.38 W/kg

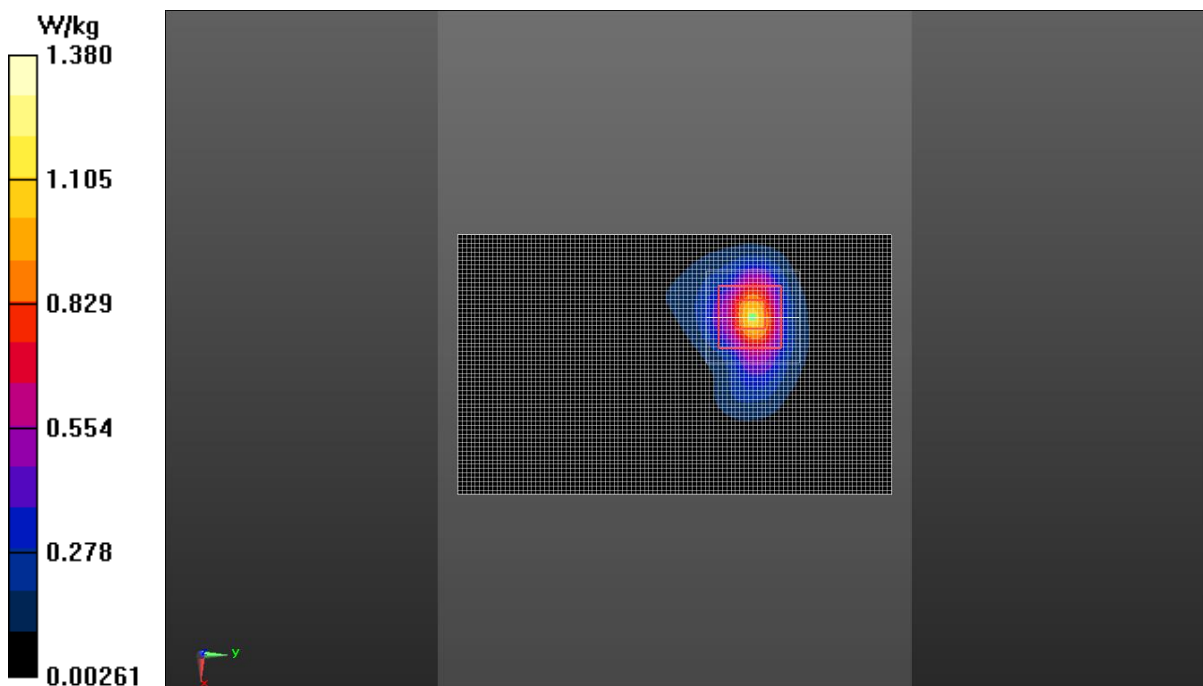


Fig.18 LTE Band 7

LTE Band 12 Head

Date: 2019-3-27

Electronics: DAE4 Sn786

Medium: Head 750 MHz

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 41.117$; $\rho = 1000$ kg/m³

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

Communication System: UID 0, LTE_FDD (0) Frequency: 707.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (9.51, 9.51, 9.51)

Left Cheek Middle 1RB_Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.033 W/kg

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

Reference Value = 0.817 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.038 W/kg

SAR(1 g) = 0.030 W/kg; SAR(10 g) = 0.022 W/kg

Maximum value of SAR (measured) = 0.034 W/kg

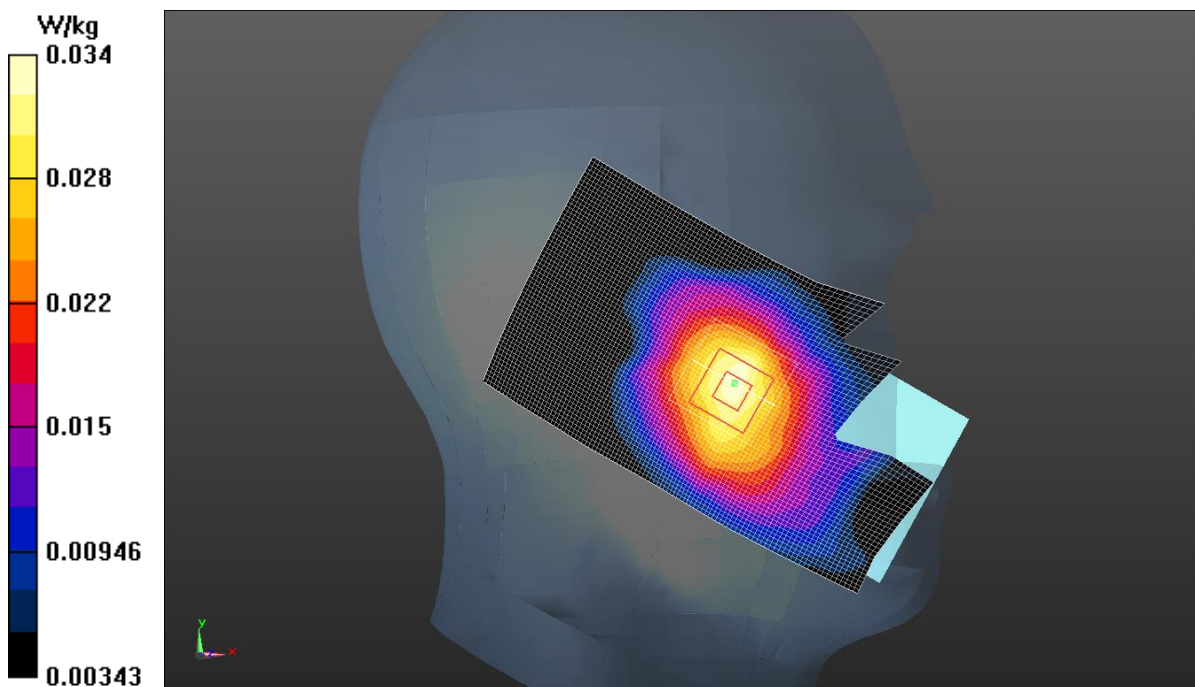


Fig.19 LTE Band 12

LTE Band 12 Body

Date: 2019-3-27

Electronics: DAE4 Sn786

Medium: Body 750 MHz

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.939$ S/m; $\epsilon_r = 54.93$; $\rho = 1000$ kg/m³

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

Communication System: UID 0, LTE_FDD (0) Frequency: 707.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (9.56, 9.56, 9.56)

Rear side Middle 1RB_Mid/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 9.990 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.118 W/kg

SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.065 W/kg

Maximum value of SAR (measured) = 0.098 W/kg

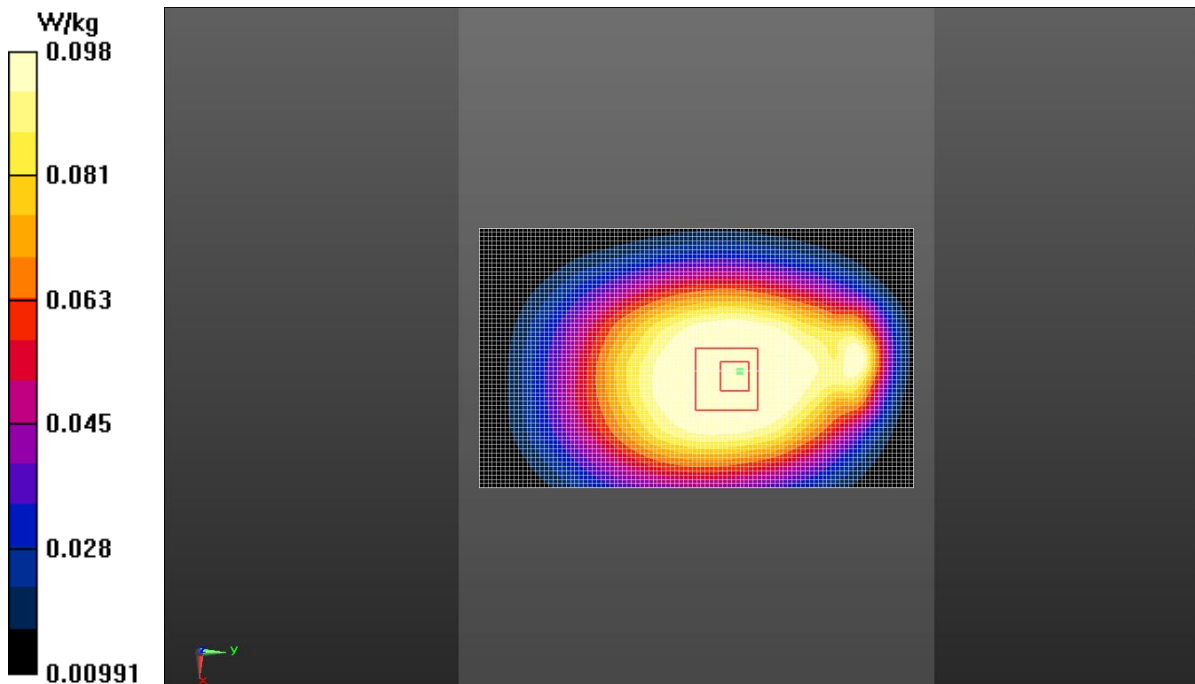


Fig.20 LTE Band 12

LTE Band 17 Head

Date: 2019-3-27

Electronics: DAE4 Sn786

Medium: Head 750 MHz

Medium parameters used: $f = 710 \text{ MHz}$; $\sigma = 0.906 \text{ S/m}$; $\epsilon_r = 41.108$; $\rho = 1000 \text{ kg/m}^3$

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

Communication System: UID 0, LTE_FDD (0) Frequency: 710 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (9.51, 9.51, 9.51)

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

Maximum value of SAR (interpolated) = 0.031 W/kg

Left 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 = 0.829 V/m ; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.037 W/kg

SAR(1 g) = 0.029 W/kg ; SAR(10 g) = 0.022 W/kg

Maximum value of SAR (measured) = 0.033 W/kg

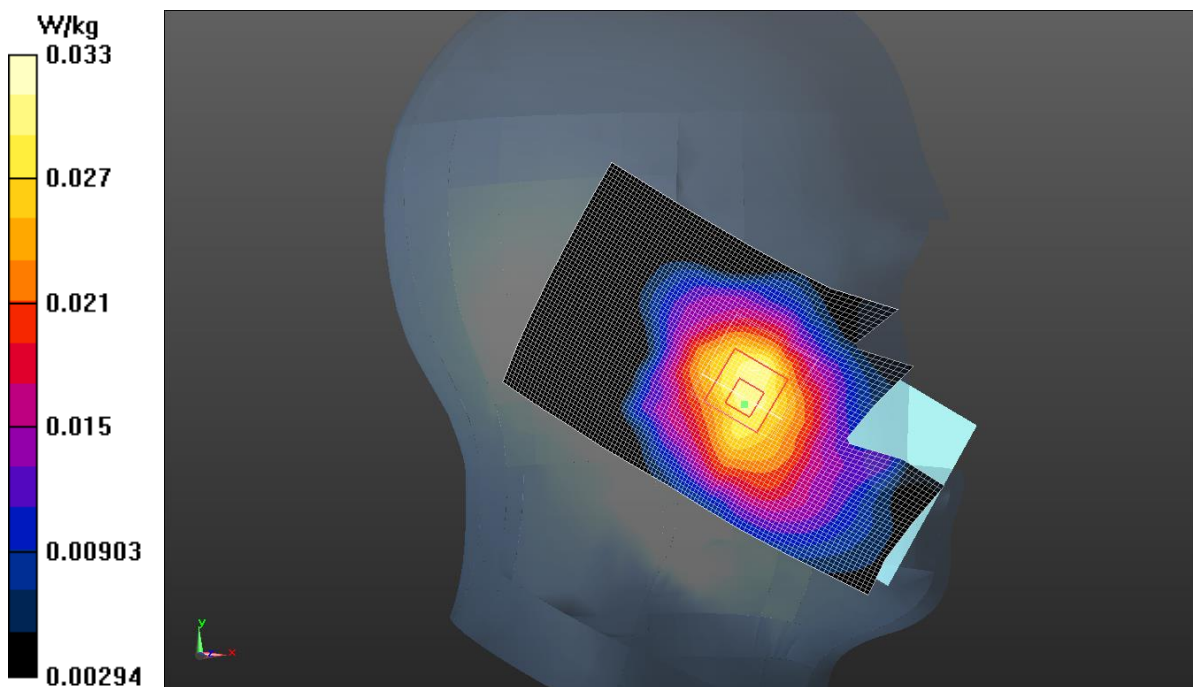


Fig.21 LTE Band 17

LTE Band 17 Body

Date: 2019-3-27

Electronics: DAE4 Sn786

Medium: Body 750 MHz

Medium parameters used: $f = 710 \text{ MHz}$; $\sigma = 0.942 \text{ S/m}$; $\epsilon_r = 54.893$; $\rho = 1000 \text{ kg/m}^3$

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

Communication System: UID 0, LTE_FDD (0) Frequency: 710 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (9.56, 9.56, 9.56)

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

Maximum value of SAR (interpolated) = 0.109 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 = 9.856 V/m ; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.115 W/kg

SAR(1 g) = 0.089 W/kg ; SAR(10 g) = 0.063 W/kg

Maximum value of SAR (measured) = 0.0951 W/kg

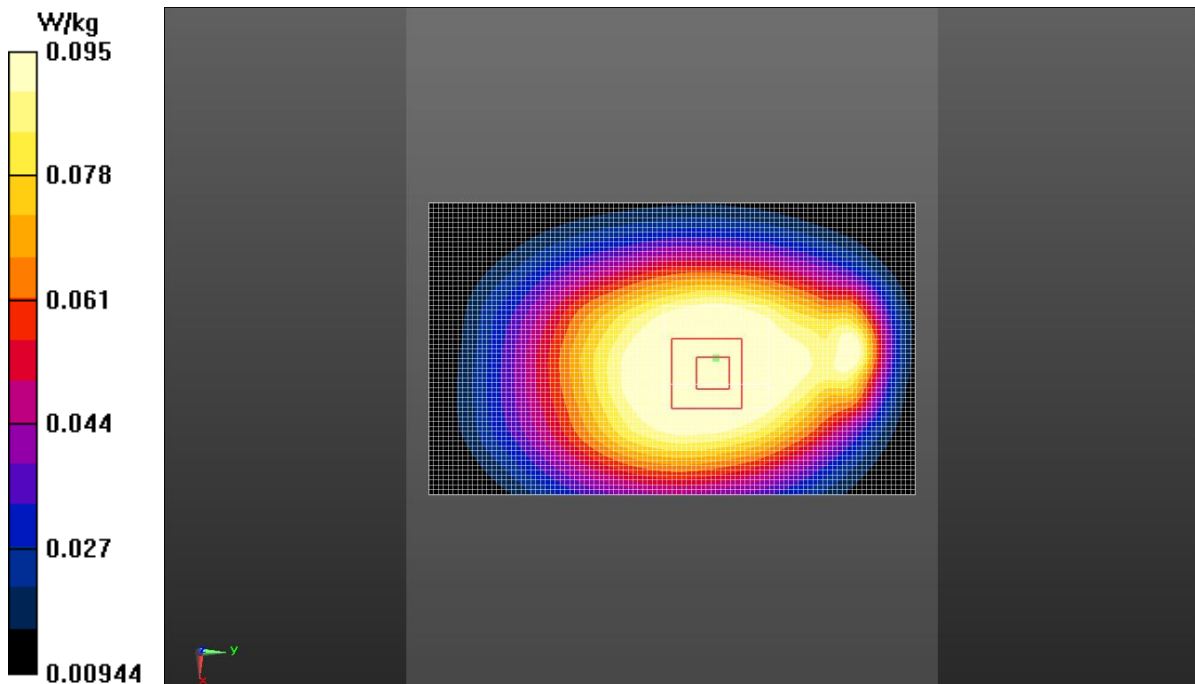


Fig.22 LTE Band 17

LTE Band 38 Head

Date: 2019-3-25

Electronics: DAE4 Sn786

Medium: Head 2550 MHz

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 2.006$ S/m; $\epsilon_r = 38.196$; $\rho = 1000$ kg/m³

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

Communication System: UID 0, LTE_TDD (0) Frequency: 2595 MHz Duty Cycle: 1:1.58

Probe: EX3DV4 - SN3633 ConvF (7.12, 7.12, 7.12)

Left Cheek Middle 1RB_Mid/Area Scan (61x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.163 W/kg

Left Cheek Middle 1RB_Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.906 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.187 W/kg

SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.052 W/kg

Maximum value of SAR (measured) = 0.145 W/kg

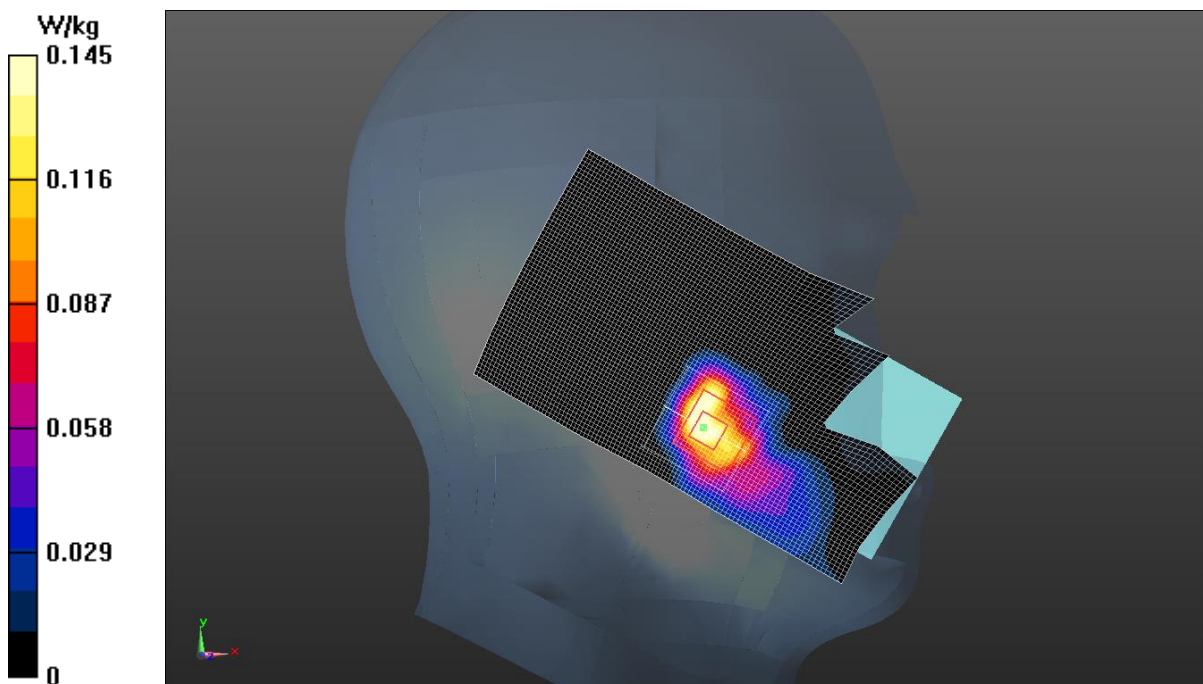


Fig.23 LTE Band 38

LTE Band 38 Body

Date: 2019-3-25

Electronics: DAE4 Sn786

Medium: Body 2550 MHz

Medium parameters used: $f = 2595$ MHz; $\sigma = 2.121$ S/m; $\epsilon_r = 53.373$; $\rho = 1000$ kg/m³

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

Communication System: UID 0, LTE_TDD (0) Frequency: 2595 MHz Duty Cycle: 1:1.58

Probe: EX3DV4 - SN3633 ConvF (7.21, 7.21, 7.21)

Rear Side Middle 1RB_Mid/Area Scan (61x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.554 W/kg

Rear Side Middle 1RB_Mid/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.318 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.904 W/kg

SAR(1 g) = 0.403 W/kg; SAR(10 g) = 0.169 W/kg

Maximum value of SAR (measured) = 0.660 W/kg

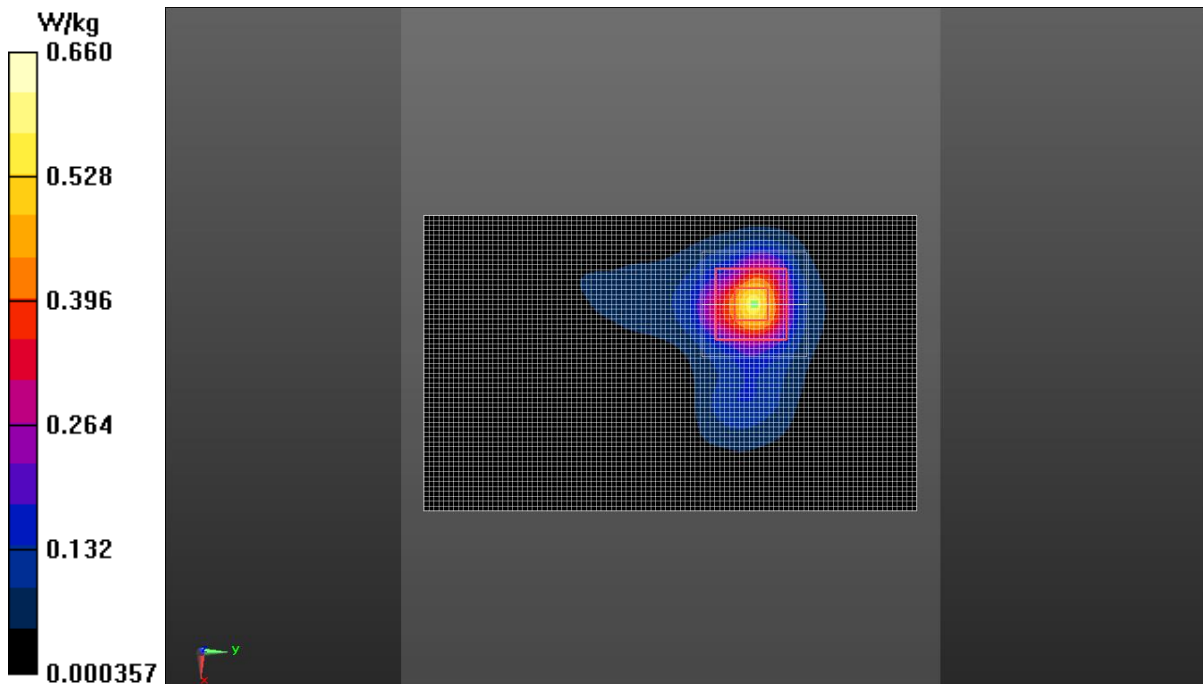


Fig.24 LTE Band 38

LTE Band 66 Head

Date: 2019-3-30

Electronics: DAE4 Sn786

Medium: Head 1750 MHz

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.357$ S/m; $\epsilon_r = 40.844$; $\rho = 1000$ 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)

Left Cheek Middle 1RB_Mid/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.097 W/kg

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

Reference Value = 1.306 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.132 W/kg

SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.047 W/kg

Maximum value of SAR (measured) = 0.104 W/kg

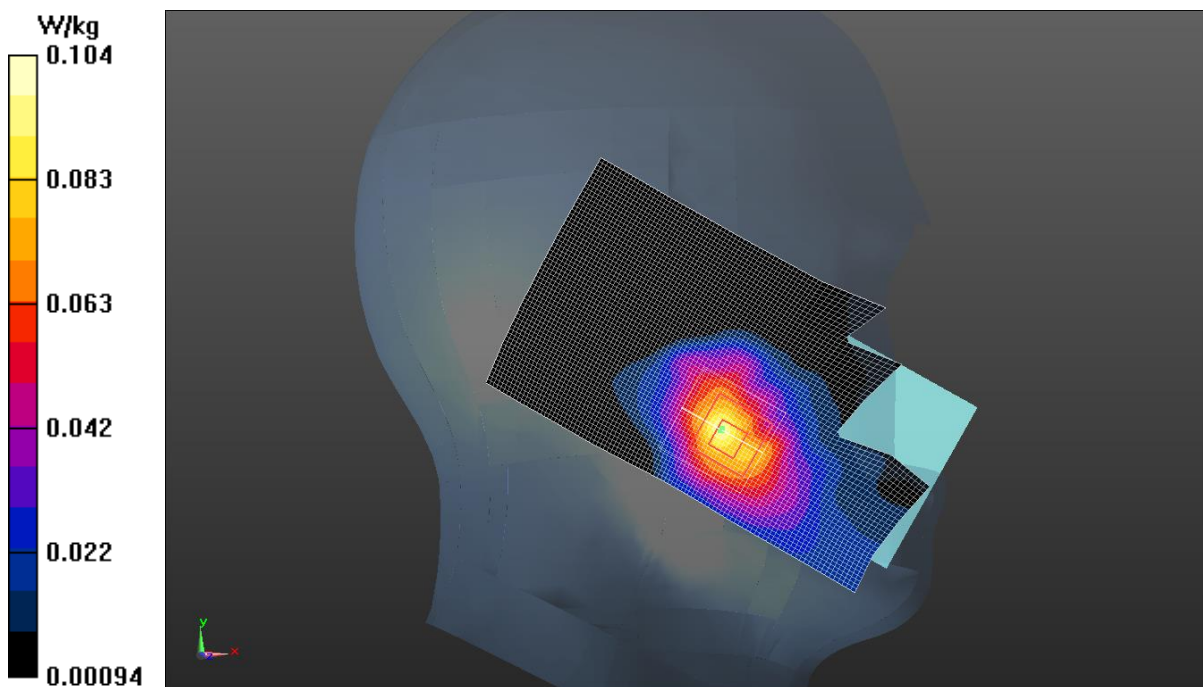


Fig.25 LTE Band 66

LTE Band 66 Body

Date: 2019-3-30

Electronics: DAE4 Sn786

Medium: Body 1750 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 53.455$; $\rho = 1000$ kg/m³

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

Communication System: UID 0, LTE_FDD (0) Frequency: 1720 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (7.93, 7.93, 7.93)

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

Maximum value of SAR (interpolated) = 1.69 W/kg

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

Reference Value = 9.171 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.25 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.524 W/kg

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

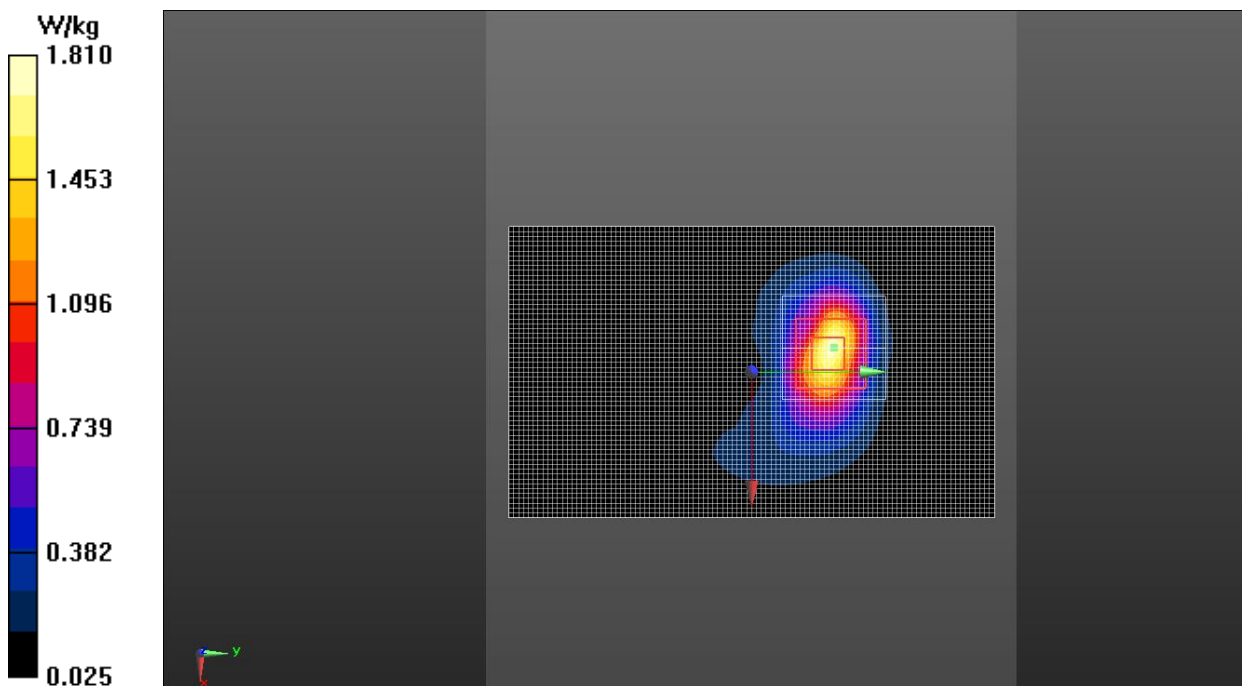


Fig.26 LTE Band 66