

Table 14.1-13: SAR Values (LTE Band2 - Head)

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C						
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
19100	1900	1RB-High	L	Cheek	Fig.13	23.15	23.5	0.149	0.16	0.234	0.25	0.04
19100	1900	1RB-High	L	Tilt	/	23.15	23.5	0.052	0.06	0.087	0.09	0.09
19100	1900	1RB-High	R	Cheek	/	23.15	23.5	0.093	0.10	0.144	0.16	-0.11
19100	1900	1RB-High	R	Tilt	/	23.15	23.5	0.052	0.06	0.082	0.09	0.16
18900	1880	50RB-High	L	Cheek	/	22.1	22.5	0.132	0.14	0.206	0.23	0.02
18900	1880	50RB-High	L	Tilt	/	22.1	22.5	0.050	0.05	0.082	0.09	-0.09
18900	1880	50RB-High	R	Cheek	/	22.1	22.5	0.084	0.09	0.130	0.14	0.12
18900	1880	50RB-High	R	Tilt	/	22.1	22.5	0.036	0.04	0.058	0.06	0.06

Note1: The LTE mode is QPSK_20MHz.

Table 14.1-14: SAR Values (LTE Band2 - Body) AP ON

Ambient Temperature: 22.4 °C				Liquid Temperature: 22.2°C							
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
19100	1900	1RB-High	Front	/	21.2	21.5	0.283	0.30	0.538	0.58	0.04
19100	1900	1RB-High	Rear	/	21.2	21.5	0.383	0.41	0.771	0.83	-0.01
18900	1880	1RB-High	Rear	/	21.1	21.5	0.386	0.42	0.785	0.86	-0.04
18700	1860	1RB_Low	Rear	/	20.99	21.5	0.344	0.39	0.778	0.87	0.02
19100	1900	1RB-High	Left	/	21.2	21.5	0.076	0.08	0.128	0.14	-0.09
19100	1900	1RB-High	Bottom	Fig.14	21.2	21.5	0.510	0.55	0.995	1.07	-0.06
18900	1880	1RB-High	Bottom	/	21.1	21.5	0.461	0.51	0.920	1.01	0.04
18700	1860	1RB_Low	Bottom	/	20.99	21.5	0.443	0.50	0.881	0.99	0.12
18900	1880	50RB-High	Front	/	21.12	21.5	0.372	0.41	0.544	0.59	-0.05
19100	1900	50RB-Low	Rear	/	21.07	21.5	0.365	0.40	0.747	0.82	0.02
18900	1880	50RB-High	Rear	/	21.12	21.5	0.372	0.41	0.741	0.81	-0.05
18700	1860	50RB-Mid	Rear	/	20.8	21.5	0.368	0.43	0.740	0.87	0.06
18900	1880	50RB-High	Left	/	21.12	21.5	0.081	0.09	0.136	0.15	-0.06
19100	1900	50RB-Low	Bottom	/	21.07	21.5	0.437	0.48	0.874	0.97	-0.04
18900	1880	50RB-High	Bottom	/	21.12	21.5	0.441	0.48	0.886	0.97	0.01
18700	1860	50RB-Mid	Bottom	/	20.8	21.5	0.426	0.50	0.848	1.00	-0.02
18900	1880	100RB	Rear	/	21.05	21.5	0.383	0.42	0.777	0.86	-0.01
18900	1880	100RB	Bottom	/	21.05	21.5	0.445	0.49	0.889	0.99	-0.07
19100	1900	1RB-High	Rear	D	23.15	23.5	1.89	2.05	3.85	4.17	-0.01
18900	1880	1RB-High	Rear	D	23.12	23.5	1.85	2.02	3.91	4.26	-0.04
18700	1860	1RB_Low	Rear	D	23.05	23.5	1.87	2.08	3.95	4.38	0.02
19100	1900	1RB-High	Bottom	D	23.15	23.5	2.79	3.02	6.95	7.53	-0.06
18900	1880	1RB-High	Bottom	D	23.12	23.5	2.75	3.00	6.82	7.44	0.04
18700	1860	1RB_Low	Bottom	D	23.05	23.5	2.70	3.00	6.69	7.41	0.12
19100	1900	50RB-Low	Bottom	D	22.04	22.5	2.27	2.52	5.65	6.28	-0.04
18900	1880	50RB-High	Bottom	D	22.1	22.5	2.17	2.38	5.38	5.89	0.01
18700	1860	50RB-Mid	Bottom	D	21.79	22.5	2.04	2.40	5.05	5.95	-0.02
18900	1880	100RB	Bottom	D	21.99	22.5	2.26	2.54	5.61	6.31	-0.07

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

Note2: The LTE mode is QPSK_20MHz.

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

Table 14.1-15: SAR Values (LTE Band2 - Body) AP OFF

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C					
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
19100	1900	1RB_High	Front	/	23.15	23.5	0.256	0.28	0.428	0.46	0.05
19100	1900	1RB_High	Rear	Fig.15	23.15	23.5	0.327	0.35	0.586	0.64	0.06
18900	1880	50RB_High	Front	/	22.1	22.5	0.212	0.23	0.353	0.39	0.05
18900	1880	50RB_High	Rear	/	22.1	22.5	0.276	0.30	0.477	0.52	0.09

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-16: SAR Values(LTE Band4 - Head)

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C						
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
20050	1720	1RB-High	L	Cheek	Fig.16	23.85	24	0.191	0.20	0.286	0.30	0.07
20050	1720	1RB-High	L	Tilt	/	23.85	24	0.053	0.05	0.080	0.08	0.11
20050	1720	1RB-High	R	Cheek	/	23.85	24	0.154	0.16	0.230	0.24	-0.08
20050	1720	1RB-High	R	Tilt	/	23.85	24	0.041	0.04	0.062	0.06	0.12
20175	1732.5	50RB-Low	L	Cheek	/	22.71	23	0.150	0.16	0.225	0.24	0.04
20175	1732.5	50RB-Low	L	Tilt	/	22.71	23	0.042	0.04	0.063	0.07	0.07
20175	1732.5	50RB-Low	R	Cheek	/	22.71	23	0.122	0.13	0.181	0.19	-0.14
20175	1732.5	50RB-Low	R	Tilt	/	22.71	23	0.032	0.03	0.050	0.05	0.09

Note1: The LTE mode is QPSK_20MHz.

Table 14.1-17: SAR Values (LTE Band4 - Body) AP ON

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C					
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
20050	1720	1RB-High	Front	/	21.73	22	0.290	0.31	0.513	0.55	0.07
20050	1720	1RB-High	Rear	/	21.73	22	0.332	0.35	0.608	0.65	0.01
20050	1720	1RB-High	Left	/	21.73	22	0.099	0.11	0.162	0.17	-0.04
20050	1720	1RB-High	Bottom	Fig.17	21.73	22	0.367	0.39	0.697	0.74	-0.03
20050	1720	50RB_High	Front	/	21.59	22	0.264	0.29	0.468	0.51	-0.07
20050	1720	50RB_High	Rear	/	21.59	22	0.306	0.34	0.556	0.61	0.05
20050	1720	50RB_High	Left	/	21.59	22	0.091	0.10	0.148	0.16	0.03
20050	1720	50RB_High	Bottom	/	21.59	22	0.333	0.37	0.632	0.69	-0.06

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-18: SAR Values (LTE Band4 - Body) AP OFF

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C					
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
20050	1720	1RB-High	Front	/	23.85	24	0.204	0.21	0.339	0.35	-0.05
20050	1720	1RB-High	Rear	Fig.18	23.85	24	0.234	0.24	0.394	0.41	0.04
20175	1732.5	50RB_Low	Front	/	22.71	23	0.162	0.17	0.270	0.29	0.06
20175	1732.5	50RB_Low	Rear	/	22.71	23	0.186	0.20	0.314	0.34	-0.01

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.1-19: SAR Values (LTE Band5 - Head)

Ambient Temperature: 22.4°C						Liquid Temperature: 22.2°C						
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
20450	829	1RB-High	L	Cheek	/	23.56	24	0.131	0.14	0.166	0.18	-0.05
20450	829	1RB-High	L	Tilt	/	23.56	24	0.081	0.09	0.100	0.11	0.02
20450	829	1RB-High	R	Cheek	Fig.19	23.56	24	0.131	0.14	0.171	0.19	0.02
20450	829	1RB-High	R	Tilt	/	23.56	24	0.073	0.08	0.091	0.10	0.05
20525	836.5	25RB-Low	L	Cheek	/	22.4	23	0.109	0.13	0.138	0.16	0.1
20525	836.5	25RB-Low	L	Tilt	/	22.4	23	0.068	0.08	0.084	0.10	0.02
20525	836.5	25RB-Low	R	Cheek	/	22.4	23	0.107	0.12	0.140	0.16	0.01
20525	836.5	25RB-Low	R	Tilt	/	22.4	23	0.060	0.07	0.075	0.09	0.08

Note1: The LTE mode is QPSK_10MHz.

Table 14.1-20: SAR Values (LTE Band5 - Body)

Ambient Temperature: 22.5 °C						Liquid Temperature: 22.0°C					
Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
20450	829	1RB-High	Front	/	23.56	24	0.132	0.15	0.174	0.19	0.02
20450	829	1RB-High	Rear	Fig.20	23.56	24	0.228	0.25	0.295	0.33	-0.08
20450	829	1RB-High	Left	/	23.56	24	0.084	0.09	0.110	0.12	0.03
20450	829	1RB-High	Bottom	/	23.56	24	0.079	0.09	0.113	0.12	0.03
20525	836.5	25RB-Low	Front	/	22.4	23	0.110	0.13	0.144	0.17	0.01
20525	836.5	25RB-Low	Rear	/	22.4	23	0.186	0.21	0.239	0.27	0.19
20525	836.5	25RB-Low	Left	/	22.4	23	0.070	0.08	0.092	0.11	0.02
20525	836.5	25RB-Low	Bottom	/	22.4	23	0.064	0.07	0.093	0.11	0.02

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

Note2: The LTE mode is QPSK_10MHz.

Table 14.1-21: SAR Values (LTE Band7 - Head)

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C						
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max.tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
21350	2560	1RB-High	L	Cheek	Fig.21	22.71	22.8	0.130	0.13	0.246	0.25	-0.07
21350	2560	1RB-High	L	Tilt	/	22.71	22.8	0.039	0.04	0.068	0.07	-0.03
21350	2560	1RB-High	R	Cheek		22.71	22.8	0.064	0.07	0.108	0.11	0.01
21350	2560	1RB-High	R	Tilt	/	22.71	22.8	0.056	0.06	0.105	0.11	0.07
21350	2560	50RB-Low	L	Cheek	/	21.49	21.8	0.103	0.11	0.194	0.21	-0.03
21350	2560	50RB-Low	L	Tilt	/	21.49	21.8	0.034	0.04	0.059	0.06	-0.01
21350	2560	50RB-Low	R	Cheek	/	21.49	21.8	0.052	0.06	0.088	0.09	0.03
21350	2560	50RB-Low	R	Tilt	/	21.49	21.8	0.044	0.05	0.083	0.09	0.02

Note1: The LTE mode is QPSK_20MHz.

Table 14.1-22: SAR Values (LTE Band7 - Body) AP ON

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C					
Frequency		Mode	Test Position	Figure No./ Note	Conducte d Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
20850	2510	1RB_High	Front	/	19.1	19.4	0.134	0.14	0.268	0.29	0.09
21350	2560	1RB_Low	Rear	Fig.22	19.02	19.4	0.563	0.61	1.24	1.35	0.01
21100	2535	1RB_High	Rear	/	19.09	19.4	0.553	0.59	1.22	1.31	0.04
20850	2510	1RB_High	Rear	/	19.1	19.4	0.440	0.47	0.972	1.04	0.12
20850	2510	1RB_High	Left	/	19.1	19.4	0.078	0.08	0.142	0.15	-0.09
21350	2560	1RB_Low	Bottom	/	19.02	19.4	0.526	0.57	1.12	1.22	0.07
21100	2535	1RB_High	Bottom	/	19.09	19.4	0.505	0.54	1.07	1.15	0.02
20850	2510	1RB_High	Bottom	/	19.1	19.4	0.428	0.46	0.901	0.97	0.11
20850	2510	50RB-Low	Front	/	19.03	19.4	0.139	0.15	0.278	0.30	0.09
21350	2560	50RB-High	Rear	/	18.92	19.4	0.526	0.59	1.12	1.25	-0.14
21100	2535	50RB-Low	Rear	/	19.01	19.4	0.466	0.51	1.04	1.13	0.15
20850	2510	50RB-Low	Rear	/	19.03	19.4	0.380	0.41	0.797	0.87	0.02
20850	2510	50RB-Low	Left	/	19.03	19.4	0.079	0.09	0.145	0.16	0.07
21350	2560	50RB-High	Bottom	/	18.92	19.4	0.540	0.60	1.19	1.32	0.06
21100	2535	50RB-Low	Bottom	/	19.01	19.4	0.456	0.50	0.963	1.05	-0.06
20850	2510	50RB-Low	Bottom	/	19.03	19.4	0.428	0.47	0.937	1.02	0.18
20850	2510	100RB	Bottom	/	19.05	19.4	0.440	0.48	0.963	1.04	-0.11
20850	2510	100RB	Bottom	/	19.05	19.4	0.390	0.42	0.819	0.89	0.16
21350	2560	1RB_High	Rear	D	22.71	22.8	1.08	1.11	2.39	2.44	0.01
21100	2535	1RB_High	Rear	D	22.61	22.8	1.12	1.17	2.46	2.57	0.04
20850	2510	1RB_High	Rear	D	22.4	22.8	1.10	1.20	2.41	2.64	0.12
21350	2560	1RB_High	Bottom	D	22.71	22.8	0.805	0.82	1.89	1.93	0.07
21100	2535	1RB_High	Bottom	D	22.61	22.8	0.901	0.94	2.11	2.20	0.02
20850	2510	1RB_High	Bottom	D	22.4	22.8	0.974	1.07	2.25	2.46	0.11
21350	2560	50RB-Low	Rear	D	21.49	21.8	0.849	0.91	1.87	2.00	-0.14
21100	2535	50RB-Low	Rear	D	21.43	21.8	0.857	0.93	1.88	2.05	0.15
20850	2510	50RB-High	Rear	D	21.2	21.8	0.886	1.02	1.95	2.23	0.02
21350	2560	50RB-Low	Bottom	D	21.49	21.8	0.674	0.72	1.58	1.70	0.06
21100	2535	50RB-Low	Bottom	D	21.43	21.8	0.707	0.77	1.64	1.78	-0.06
20850	2510	50RB-High	Bottom	D	21.2	21.8	0.813	0.93	1.86	2.14	0.18
20850	2510	100RB	Bottom	D	21.18	21.8	0.672	0.78	1.58	1.82	-0.11
20850	2510	100RB	Bottom	D	21.18	21.8	0.893	1.03	1.97	2.28	0.16

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

Note2: The LTE mode is QPSK_20MHz.

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

Table 14.1-23: SAR Values (LTE Band7 - Body) AP OFF

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C					
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
21350	2560	1RB_High	Front	/	22.71	22.8	0.178	0.18	0.347	0.35	0.08
21350	2560	1RB_High	Rear	Fig.23	22.71	22.8	0.584	0.60	1.18	1.20	0.10
21100	2535	1RB_High	Rear	/	22.61	22.8	0.533	0.56	1.11	1.16	0.04
20850	2510	1RB_High	Rear	/	22.4	22.8	0.488	0.54	1.01	1.11	-0.01
21350	2560	50RB_Low	Front	/	21.49	21.8	0.141	0.15	0.274	0.29	0.12
21350	2560	50RB_Low	Rear	/	21.49	21.8	0.430	0.46	0.902	0.97	0.05
21100	2535	50RB_Low	Rear	/	21.43	21.8	0.394	0.43	0.820	0.89	0.17
20850	2510	50RB_High	Rear	/	21.2	21.8	0.355	0.41	0.736	0.85	-0.09
21350	2560	100RB	Rear	/	21.5	21.8	0.428	0.46	0.897	0.96	0.12

Note1: The distance between the EUT and the phantom bottom is 15mm. Note2: The LTE mode is QPSK_20MHz.

Table 14.1-24: SAR Values (LTE Band12 - Head)

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C						
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
23095	707.5	1RB-High	L	Cheek	/	23.7	24.5	0.067	0.08	0.090	0.11	0.03
23095	707.5	1RB-High	L	Tilt	/	23.7	24.5	0.048	0.06	0.064	0.08	0.09
23095	707.5	1RB-High	R	Cheek	Fig.24	23.7	24.5	0.086	0.10	0.109	0.13	0.05
23095	707.5	1RB-High	R	Tilt	/	23.7	24.5	0.047	0.06	0.062	0.07	0.01
23060	704	25RB-Mid	L	Cheek	/	22.59	23.5	0.048	0.06	0.064	0.08	0.03
23060	704	25RB-Mid	L	Tilt	/	22.59	23.5	0.024	0.03	0.042	0.05	0.13
23060	704	25RB-Mid	R	Cheek	/	22.59	23.5	0.047	0.06	0.066	0.08	0.02
23060	704	25RB-Mid	R	Tilt	/	22.59	23.5	0.033	0.04	0.044	0.05	0.07

Note1: The LTE mode is QPSK_10MHz.

Table 14.1-25: SAR Values (LTE Band12 - Body)

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C					
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
23095	707.5	1RB-High	Front	/	23.7	24.5	0.116	0.14	0.144	0.17	0.03
23095	707.5	1RB-High	Rear	Fig.25	23.7	24.5	0.211	0.25	0.267	0.32	-0.18
23095	707.5	1RB-High	Left	/	23.7	24.5	0.143	0.17	0.194	0.23	0.01
23095	707.5	1RB-High	Bottom	/	23.7	24.5	0.032	0.04	0.049	0.06	0.01
23060	704	25RB-Mid	Front	/	22.59	23.5	0.088	0.11	0.110	0.14	-0.05
23060	704	25RB-Mid	Rear	/	22.59	23.5	0.160	0.20	0.204	0.25	-0.03
23060	704	25RB-Mid	Left	/	22.59	23.5	0.102	0.13	0.140	0.17	0.03
23060	704	25RB-Mid	Bottom	/	22.59	23.5	0.011	0.01	0.029	0.04	-0.04

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

Note2: The LTE mode is QPSK_10MHz.

Table 14.1-26: SAR Values (LTE Band13 - Head)

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C						
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
23230	782	1RB-Mid	Left	Touch	/	23.56	24	0.099	0.11	0.134	0.15	0.04
23230	782	1RB-Mid	Left	Tilt	Fig.26	23.56	24	0.122	0.14	0.158	0.17	-0.02
23230	782	1RB-Mid	Right	Touch	/	23.56	24	0.100	0.11	0.142	0.16	0.18
23230	782	1RB-Mid	Right	Tilt	/	23.56	24	0.069	0.08	0.091	0.10	0.02
23230	782	25RB-Mid	Left	Touch	/	22.34	23	0.078	0.09	0.105	0.12	0.05
23230	782	25RB-Mid	Left	Tilt	/	22.34	23	0.061	0.07	0.082	0.10	0.01
23230	782	25RB-Mid	Right	Touch	/	22.34	23	0.079	0.09	0.111	0.13	-0.09
23230	782	25RB-Mid	Right	Tilt	/	22.34	23	0.056	0.07	0.074	0.09	0.05

Note1: The LTE mode is QPSK_10MHz.

Table 14.1-27: SAR Values (LTE Band13 - Body)

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C					
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
23230	782	1RB-Mid	Front	/	23.56	24	0.171	0.19	0.217	0.24	-0.04
23230	782	1RB-Mid	Rear	Fig.27	23.56	24	0.262	0.29	0.336	0.37	0.02
23230	782	1RB-Mid	Left	/	23.56	24	0.165	0.18	0.236	0.26	-0.14
23230	782	1RB-Mid	Bottom	/	23.56	24	0.067	0.07	0.105	0.12	0.08
23230	782	25RB-Mid	Front	/	22.34	23	0.136	0.16	0.172	0.20	0.06
23230	782	25RB-Mid	Rear	/	22.34	23	0.207	0.24	0.266	0.31	0.04
23230	782	25RB-Mid	Left	/	22.34	23	0.131	0.15	0.186	0.22	0.07
23230	782	25RB-Mid	Bottom	/	22.34	23	0.053	0.06	0.084	0.10	0.00

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

Note2: The LTE mode is QPSK_10MHz.

Table 14.1-28: SAR Values (CDMA BC0 - Head)

Ambient Temperature: 22.2 °C						Liquid Temperature: 21.7 °C					
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
384	836.52	L	Cheek	/	24.48	25	0.169	0.19	0.210	0.24	-0.05
384	836.52	L	Tilt	/	24.48	25	0.107	0.12	0.132	0.15	0.07
777	848.31	R	Cheek	Fig.28	24.59	25	0.189	0.21	0.246	0.27	0.08
384	836.52	R	Cheek	/	24.48	25	0.164	0.18	0.213	0.24	0.05
1013	824.7	R	Cheek	/	24.73	25	0.171	0.18	0.225	0.24	0.09
384	836.52	R	Tilt	/	24.48	25	0.089	0.10	0.110	0.12	-0.05

Table 14.1-29: SAR Values (CDMA BC0 - Body)

Ambient Temperature: 22.2 °C					Liquid Temperature: 21.7 °C					
Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
384	836.52	Front	/	24.45	25	0.143	0.16	0.204	0.23	0.09
777	848.31	Rear	/	24.59	25	0.267	0.29	0.343	0.38	0.16
384	836.52	Rear	Fig.29	24.45	25	0.273	0.31	0.347	0.39	0.10
1013	824.7	Rear	/	24.66	25	0.269	0.29	0.345	0.37	0.02
384	836.52	Left	/	24.45	25	0.097	0.11	0.139	0.16	0.10
384	836.52	Bottom	/	24.45	25	0.083	0.09	0.134	0.15	0.14

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

Table 14.1-30: SAR Values (CDMA BC1 - Head)

Ambient Temperature: 22.2 °C						Liquid Temperature: 21.7 °C					
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
1175	1908.75	L	Cheek	/	22.9	23	0.111	0.11	0.177	0.18	0.04
600	1880	L	Cheek	/	22.78	23	0.127	0.13	0.201	0.21	0.16
25	1851.25	L	Cheek	Fig.30	22.72	23	0.142	0.15	0.226	0.24	0.01
600	1880	L	Tilt	/	22.78	23	0.047	0.05	0.079	0.08	-0.05
600	1880	R	Cheek	/	22.78	23	0.078	0.08	0.123	0.13	0.11
600	1880	R	Tilt	/	22.78	23	0.035	0.04	0.060	0.06	0.14

Table 14.1-31: SAR Values (CDMA BC1 - Body) – AP ON

Ambient Temperature: 22.2 °C Liquid Temperature: 21.7 °C										
Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
600	1880	Front	/	20.62	21	0.303	0.33	0.573	0.63	-0.04
600	1880	Rear	/	20.62	21	0.383	0.42	0.714	0.78	0.05
600	1880	Left	/	20.62	21	0.096	0.10	0.162	0.18	-0.02
1175	1908.75	Bottom	Fig.31	20.7	21	0.489	0.52	0.955	1.02	-0.07
600	1880	Bottom	/	20.62	21	0.476	0.52	0.924	1.01	0.01
25	1851.25	Bottom	/	20.72	21	0.471	0.50	0.909	0.97	0.07
600	1880	Rear	D	22.55	23	1.76	1.95	3.82	4.24	0.05
1175	1908.75	Bottom	D	22.70	23	2.65	2.84	6.37	6.83	-0.07
600	1880	Bottom	D	22.55	23	2.38	2.64	6.15	6.82	0.01
25	1851.25	Bottom	D	22.54	23	2.32	2.58	6.13	6.81	0.07

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

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

Table 14.1-32: SAR Values (CDMA BC1 - Body) – AP OFF

Ambient Temperature: 22.2 °C Liquid Temperature: 21.7 °C										
Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
600	1880	Front	/	22.55	23	0.332	0.37	0.457	0.51	0.03
1175	1908.75	Rear	/	22.7	23	0.354	0.38	0.575	0.62	0.01
600	1880	Rear	Fig.32	22.55	23	0.354	0.39	0.596	0.66	0.05
25	1851.25	Rear	/	22.54	23	0.351	0.39	0.586	0.65	0.02

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

14.2 SAR results for Standard procedure

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

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

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C					
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
251	848.8	R	Cheek	Fig.1	32.81	33.3	0.196	0.22	0.257	0.29	0.08

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

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C					
Frequency		Mode (number of timeslots)	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
251	848.8	GPRS (2)	Rear	Fig.2	31.95	32	0.476	0.48	0.611	0.62	-0.08

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

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

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C					
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
661	1880	L	Cheek	Fig.3	29.64	30.3	0.078	0.09	0.123	0.14	0.08

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

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C					
Frequency		Mode (number of timeslots)	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
810	1909.8	GPRS (2)	Bottom	Fig.4	28.46	28.7	0.634	0.67	1.21	1.28	-0.15

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

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

Table 14.2-5: SAR Values (WCDMA 850 MHz Band - Head)

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C					
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
4233	846.6	R	Cheek	Fig.5	23.69	24	0.161	0.17	0.211	0.23	0.03

Table 14.2-6: SAR Values (WCDMA 850 MHz Band - Body)

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C				
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
4233	846.6	Rear	Fig.6	23.69	24	0.267	0.29	0.344	0.37	0.01

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

Table 14.2-7: SAR Values (WCDMA 1700 MHz Band - Head)

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C					
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
1537	1712.4	L	Cheek	Fig.7	23.69	24	0.202	0.22	0.300	0.32	0.11

Table 14.2-8: SAR Values (WCDMA 1700 MHz Band - Body) AP ON

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C				
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
1738	1752.6	Bottom	Fig.8	21.77	22	0.429	0.45	0.838	0.88	-0.02

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

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

Table 14.2-9: SAR Values (WCDMA 1700 MHz Band - Body) AP OFF

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C				
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
1738	1752.6	Rear	Fig.9	23.76	24	0.295	0.31	0.504	0.53	-0.12

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

Table 14.2-10: SAR Values(WCDMA 1900 MHz Band - Head)

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C					
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
9662	1852.4	L	Cheek	Fig.10	22.91	23	0.148	0.15	0.230	0.23	0.03

Table 14.2-11: SAR Values (WCDMA 1900 MHz Band - Body) AP ON

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C				
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
9938	1907.6	Bottom	Fig.11	20.66	21	0.464	0.50	0.887	0.96	-0.02

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

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

Table 14.2-12: SAR Values (WCDMA 1900 MHz Band - Body) AP OFF

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C				
Frequency		Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
9938	1907.6	Rear	Fig.12	22.62	23	0.282	0.31	0.496	0.54	-0.07

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

Table 14.2-13: SAR Values (LTE Band2 - Head)

Ambient Temperature: 22.4 °C Liquid Temperature: 22.2°C												
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
19100	1900	1RB-High	L	Cheek	Fig.13	23.15	23.5	0.149	0.16	0.234	0.25	0.04

Note1: The LTE mode is QPSK_20MHz.

Table 14.2-14: SAR Values (LTE Band2 - Body) AP ON

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C					
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
19100	1900	1RB-High	Bottom	Fig.14	21.2	21.5	0.510	0.55	0.995	1.07	-0.06

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

Note2: The LTE mode is QPSK_20MHz.

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

Table 14.2-15: SAR Values (LTE Band2 - Body) AP OFF

Ambient Temperature: 22.4 °C Liquid Temperature: 22.2°C											
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
19100	1900	1RB_High	Rear	Fig.15	23.15	23.5	0.327	0.35	0.586	0.64	0.06

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-16: SAR Values(LTE Band4 - Head)

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C						
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
20050	1720	1RB-High	L	Cheek	Fig.16	23.85	24	0.191	0.20	0.286	0.30	0.07

Note1: The LTE mode is QPSK_20MHz.

Table 14.2-17: SAR Values (LTE Band4 - Body) AP ON

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C					
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
20050	1720	1RB-High	Bottom	Fig.17	21.73	22	0.367	0.39	0.697	0.74	-0.03

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-18: SAR Values (LTE Band4 - Body) AP OFF

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C					
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
20050	1720	1RB-High	Rear	Fig.18	23.85	24	0.234	0.24	0.394	0.41	0.04

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-19: SAR Values (LTE Band5 - Head)

Ambient Temperature: 22.4°C						Liquid Temperature: 22.2°C						
Frequency		Mode	Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
20450	829	1RB-High	R	Cheek	Fig.19	23.56	24	0.131	0.14	0.171	0.19	0.02

Note1: The LTE mode is QPSK_10MHz.

Table 14.2-20: SAR Values (LTE Band5 - Body)

Ambient Temperature: 22.5°C						Liquid Temperature: 22.0°C					
Frequency		Mode	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
20450	829	1RB-High	Rear	Fig.20	23.56	24	0.228	0.25	0.295	0.33	-0.08

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

Note2: The LTE mode is QPSK_10MHz.

Table 14.2-21: SAR Values (LTE Band7 - Head)

Ambient Temperature: 22.4 °C Liquid Temperature: 22.2°C												
Frequency		Mode	Side	Test Position	Figure No./ Note	Conduct ed Power (dBm)	Max.tune-up Power (dBm)	Measure d SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reporte d SAR(1g) (W/kg)	Powe r Drift (dB)
Ch.	MHz											
21350	2560	1RB-High	L	Cheek	Fig.2 1	22.71	23	0.130	0.14	0.246	0.26	-0.07

Note1: The LTE mode is QPSK_20MHz.

Table 14.2-22: SAR Values (LTE Band7 - Body) AP ON

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C					
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
21350	2560	1RB_Low	Rear	Fig.22	19.02	19.4	0.563	0.61	1.24	1.35	0.01

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

Note2: The LTE mode is QPSK_20MHz.

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

Table 14.2-23: SAR Values (LTE Band7 - Body) AP OFF

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C					
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
21350	2560	1RB_High	Rear	Fig.23	22.71	22.8	0.584	0.60	1.18	1.20	0.10

Note1: The distance between the EUT and the phantom bottom is 15mm. Note2: The LTE mode is QPSK_20MHz.

Table 14.2-24: SAR Values (LTE Band12 - Head)

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C						
Frequency		Mode	Side	Test Position	Figure No./ Note	Conduct ed Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measure d SAR(1g) (W/kg)	Reporte d SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
23095	707.5	1RB-High	R	Cheek	Fig.24	23.7	24.5	0.086	0.10	0.109	0.13	0.05

Note1: The LTE mode is QPSK_10MHz.

Table 14.2-25: SAR Values (LTE Band12 - Body)

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C					
Frequency		Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
23095	707.5	1RB-High	Rear	Fig.25	23.7	24.5	0.211	0.25	0.267	0.32	-0.18

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

Note2: The LTE mode is QPSK_10MHz.

Table 14.2-26: SAR Values (LTE Band13 - Head)

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2°C						
Frequency		Mode	Side	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
23230	782	1RB-Mid	Left	Tilt	Fig.26	23.56	24	0.122	0.14	0.158	0.17	-0.02

Note1: The LTE mode is QPSK_10MHz.

Table 14.2-27: SAR Values (LTE Band13 - Body)

Ambient Temperature: 22.4 °C						Liquid Temperature: 22.2 °C					
Frequency		Mode	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
23230	782	1RB-Mid	Rear	Fig.27	23.56	24	0.262	0.29	0.336	0.37	0.02

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

Note2: The LTE mode is QPSK_10MHz.

Table 14.2-28: SAR Values (CDMA BC0 - Head)

Ambient Temperature: 22.2 °C						Liquid Temperature: 21.7 °C					
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
777	848.31	R	Cheek	Fig.28	24.59	25	0.189	0.21	0.246	0.27	0.08

Table 14.2-29: SAR Values (CDMA BC0 - Body)

Ambient Temperature: 22.2 °C Liquid Temperature: 21.7 °C										
Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
384	836.52	Rear	Fig.29	24.45	25	0.273	0.31	0.347	0.39	0.10

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

Table 14.2-30: SAR Values (CDMA BC1 - Head)

Ambient Temperature: 22.2 °C						Liquid Temperature: 21.7 °C					
Frequency		Side	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
25	1851.25	L	Cheek	Fig.30	22.72	23	0.142	0.15	0.226	0.24	0.01

Table 14.2-31: SAR Values (CDMA BC1 - Body) – AP ON

Ambient Temperature: 22.2 °C					Liquid Temperature: 21.7 °C					
Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
1175	1908.75	Bottom	Fig.31	20.7	21	0.489	0.52	0.955	1.02	-0.07

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

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

Table 14.2-32: SAR Values (CDMA BC1 - Body) – AP OFF

Ambient Temperature: 22.2 °C					Liquid Temperature: 21.7 °C					
Frequency		Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
600	1880	Rear	Fig.32	22.55	23	0.354	0.39	0.596	0.66	0.05

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

14.4 WLAN Evaluation

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

Head Evaluation

Table 14.4-1: SAR Values(WLAN - Head)– 802.11b (Fast SAR)

Ambient Temperature: 22.4 °C Liquid Temperature: 22.2°C											
Frequency		Side	Test Position	Figure No./ Note	Conducte d Power (dBm)	Max. tune- up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Power Drift (dB)
MHz	Ch.										
2437	6	L	Cheek	/	15.68	16	0.234	0.25	0.459	0.49	0.19
2437	6	L	Tilt	/	15.68	16	0.185	0.20	0.364	0.39	0.08
2437	6	R	Cheek	/	15.68	16	0.102	0.11	0.177	0.19	0.02
2437	6	R	Tilt	/	15.68	16	0.097	0.10	0.186	0.20	0.09

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

Table 14.4-2: SAR Values(WLAN - Head)– 802.11b (Full SAR)

Ambient Temperature: 22.4 °C Liquid Temperature: 22.2°C											
Frequency		Side	Test Position	Figure No./ Note	Conducte d Power (dBm)	Max. tune- up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Power Drift (dB)
MHz	Ch.										
2437	6	L	Cheek	Fig.33	15.68	16	0.240	0.26	0.499	0.54	0.19
2437	6	L	Tilt	/	15.68	16	0.182	0.20	0.367	0.40	0.08

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

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

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

Table 14.4-3: SAR Values (WLAN - Head) – 802.11b (Scaled Reported SAR)

Ambient Temperature: 22.4 °C				Liquid Temperature: 22.2°C			
Frequency		Side	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	98.25%	100%	0.54	0.55

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

Body Evaluation

Table 14.4-4: SAR Values(WLAN - Body)– 802.11b (Fast SAR) 10mm

Ambient Temperature: 22.4 °C					Liquid Temperature: 22.2°C					
Frequency		Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Power Drift (dB)
MHz	Ch.									
2437	6	Front	/	15.68	16	0.053	0.06	0.097	0.10	0.05
2437	6	Rear	/	15.68	16	0.041	0.04	0.087	0.09	0.16
2437	6	Right	/	15.68	16	0.051	0.05	0.103	0.11	-0.08
2437	6	Top	/	15.68	16	0.052	0.06	0.093	0.10	0.07

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

Table 14.4-5: SAR Values(WLAN - Body)– 802.11b (Full SAR) 10mm

Ambient Temperature: 22.4 °C					Liquid Temperature: 22.2°C					
Frequency		Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g)(W/kg)	Power Drift (dB)
MHz	Ch.									
2437	6	Right	Fig.34	15.68	16	0.054	0.06	0.113	0.12	-0.08

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

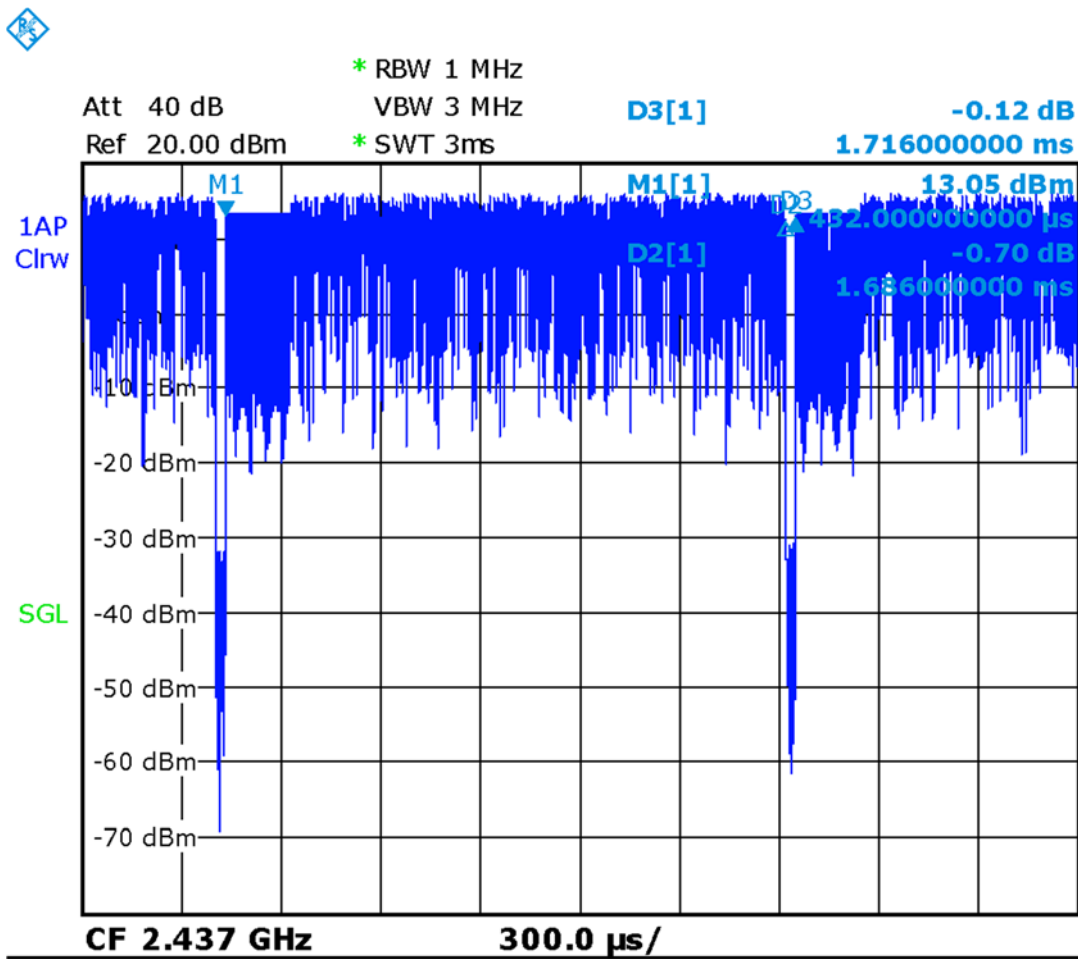
Note2: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg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

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

Table 14.4-6: SAR Values (WLAN - Body) – 802.11b (Scaled Reported SAR) 10mm

Ambient Temperature: 22.4 °C				Liquid Temperature: 22.2°C		
Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
MHz	Ch.					
2437	6	Right	98.25%	100%	0.12	0.12
2437	6	Rear	98.25%	100%	0.09	0.09

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



Picture 14.1 Duty factor plot

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 (1g)

Frequency		Test Position	Spacing (mm)	Original SAR (W/kg)	First Repeated SAR (W/kg)	The Ratio	Second Repeated SAR (W/kg)
Ch.	MHz						
810	1909.8	Bottom	10	1.21	1.19	1.02	/

Table 15.2: SAR Measurement Variability for Body W1700 (1g) AP ON

Frequency		Test Position	Spacing (mm)	Original SAR (W/kg)	First Repeated SAR (W/kg)	The Ratio	Second Repeated SAR (W/kg)
Ch.	MHz						
1738	1752.6	Bottom	10	0.838	0.827	1.01	/

Table 15.3: SAR Measurement Variability for Body W1900 (1g) AP ON

Frequency		Test Position	Spacing (mm)	Original SAR (W/kg)	First Repeated SAR (W/kg)	The Ratio	Second Repeated SAR (W/kg)
Ch.	MHz						
9938	1907.6	Bottom	10	0.887	0.881	1.01	/

Table 15.4: SAR Measurement Variability for Body CDMA BC1 (1g) AP ON

Frequency		Test Position	Spacing (mm)	Original SAR (W/kg)	First Repeated SAR (W/kg)	The Ratio	Second Repeated SAR (W/kg)
Ch.	MHz						
1175	1908.75	Bottom	10	0.955	0.941	1.01	/

Table 15.5: SAR Measurement Variability for Body LTE B2 (1g) AP ON

Frequency		Mode	Test Position	Spacing (mm)	Original SAR (W/kg)	First Repeated SAR (W/kg)	The Ratio	Second Repeated SAR (W/kg)
Ch.	MHz							
19100	1900	1RB_High	Bottom	10	0.995	0.981	1.01	/

Table 15.6: SAR Measurement Variability for Body LTE B7 (1g) AP ON

Frequency		Mode	Test Position	Spacing (mm)	Original SAR (W/kg)	First Repeated SAR (W/kg)	The Ratio	Second Repeated SAR (W/kg)
Ch.	MHz							
21350	2560	1RB_Low	Bottom	10	1.24	1.21	1.02	/

Table 15.7: SAR Measurement Variability for Body LTE B7 (1g) AP OFF

Frequency		Mode	Test Position	Spacing (mm)	Original SAR (W/kg)	First Repeated SAR (W/kg)	The Ratio	Second Repeated SAR (W/kg)
Ch.	MHz							
21350	2560	1RB_High	Rear	15	1.18	1.15	1.03	/

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	6.0	N	1	1	1	6.0	6.0	∞
2	Isotropy	B	4.7	R	$\sqrt{3}$	0.7	0.7	1.9	1.9	∞
3	Boundary effect	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
4	Linearity	B	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞
5	Detection limit	B	1.0	N	1	1	1	0.6	0.6	∞
6	Readout electronics	B	0.3	R	$\sqrt{3}$	1	1	0.3	0.3	∞
7	Response time	B	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
8	Integration time	B	2.6	R	$\sqrt{3}$	1	1	1.5	1.5	∞
9	RF ambient conditions-noise	B	0	R	$\sqrt{3}$	1	1	0	0	∞
10	RF ambient conditions-reflection	B	0	R	$\sqrt{3}$	1	1	0	0	∞
11	Probe positioned mech. restrictions	B	0.4	R	$\sqrt{3}$	1	1	0.2	0.2	∞
12	Probe positioning with respect to phantom shell	B	2.9	R	$\sqrt{3}$	1	1	1.7	1.7	∞
13	Post-processing	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
Test sample related										
14	Test sample positioning	A	3.3	N	1	1	1	3.3	3.3	71
15	Device holder uncertainty	A	3.4	N	1	1	1	3.4	3.4	5
16	Drift of output power	B	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
Phantom and set-up										
17	Phantom uncertainty	B	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
18	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞
19	Liquid conductivity (meas.)	A	2.06	N	1	0.64	0.43	1.32	0.89	43
20	Liquid permittivity (target)	B	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞
21	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	1.0	0.8	521

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

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

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

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

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

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

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

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

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

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

17 MAIN TEST INSTRUMENTS

Table 17.1: List of Main Instruments

No.	Name	Type	Serial Number	Calibration Date	Valid Period
01	Network analyzer	E5071C	MY46110673	January 13, 2017	One year
02	Power meter	NRVD	102083	September 22,2016	One year
03	Power sensor	NRV-Z5	100595		
04	Signal Generator	E4438C	MY49071430	January 13,2017	One Year
05	Amplifier	60S1G4	0331848	No Calibration Requested	
06	BTS	E5515C	MY50263375	January 16, 2017	One year
07	BTS	CMW500	159890	November 25, 2016	One year
08	E-field Probe	SPEAG EX3DV4	3846	January 13,2017	One year
09	DAE	SPEAG DAE4	1331	January 19, 2017	One year
10	Dipole Validation Kit	SPEAG D750V3	1017	July 20,2016	One year
11	Dipole Validation Kit	SPEAG D835V2	4d069	July 20,2016	One year
12	Dipole Validation Kit	SPEAG D1750V2	1003	July 21,2016	One year
13	Dipole Validation Kit	SPEAG D1900V2	5d101	July 28,2016	One year
14	Dipole Validation Kit	SPEAG D2450V2	853	July 25,2016	One year
15	Dipole Validation Kit	SPEAG D2600V2	1012	July 25,2016	One year

END OF REPORT BODY

ANNEX A Graph Results

850 Right Cheek High

Date: 2017-5-12

Electronics: DAE4 Sn1331

Medium: Head 850 MHz

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.899$ mho/m; $\epsilon_r = 41.53$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 22.2°C

Communication System: GSM 850 Frequency: 848.8 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 – SN3846 ConvF(9.33, 9.33, 9.33)

Area Scan (71x131x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.281 W/kg

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

Reference Value = 3.742 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.336 W/kg

SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.196 W/kg

Maximum value of SAR (measured) = 0.284 W/kg

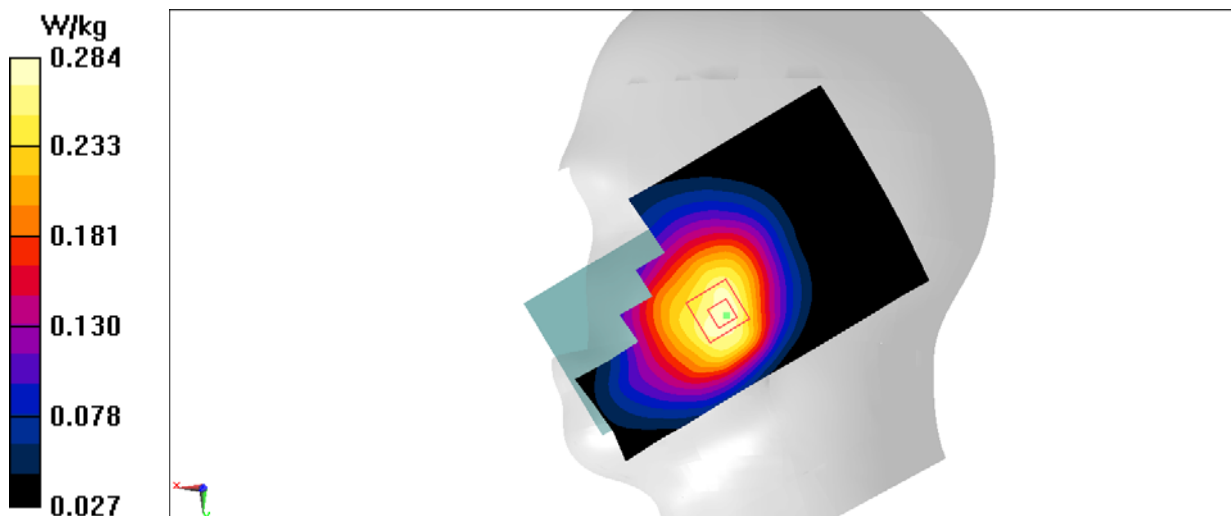


Fig.1 850MHz

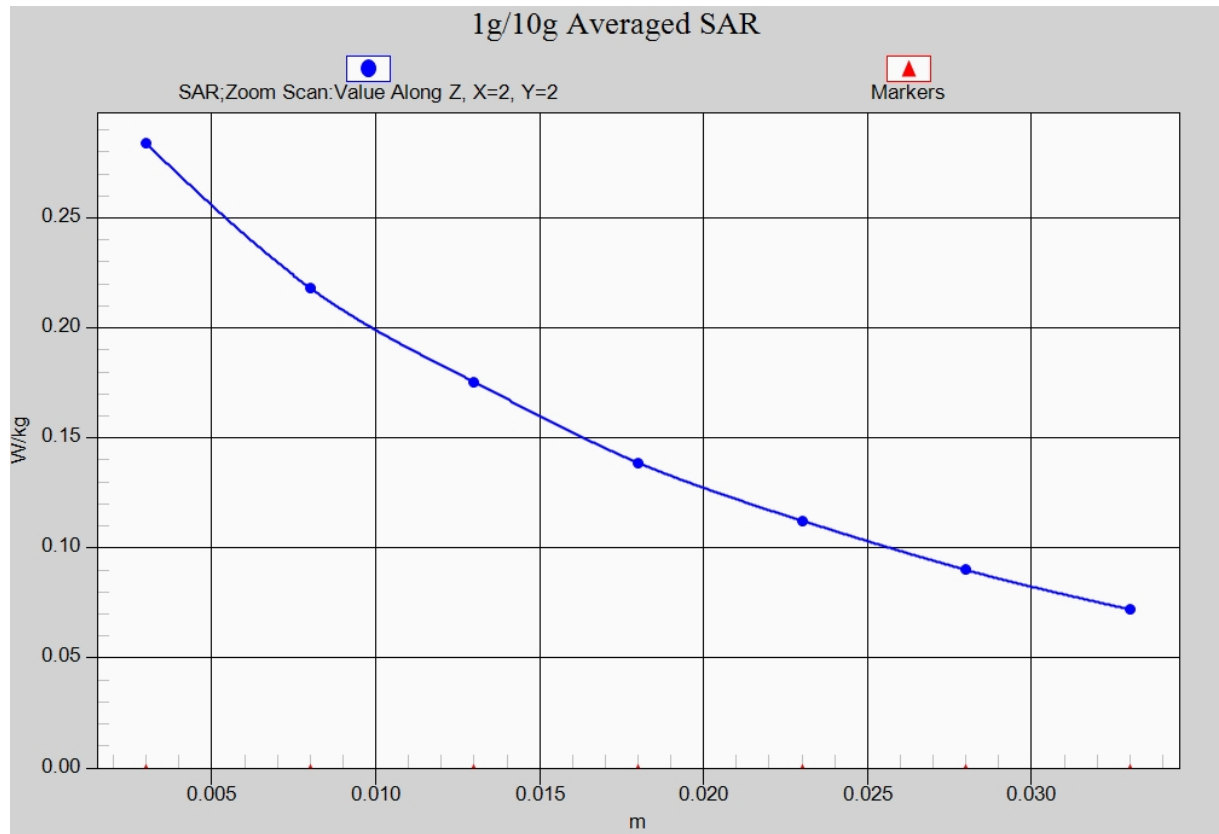


Fig. 1-1 Z-Scan at power reference point (850 MHz)

850 Body Rear High

Date: 2017-5-12

Electronics: DAE4 Sn1331

Medium: Body 850 MHz

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 1.005$ mho/m; $\epsilon_r = 55.13$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 22.2°C

Communication System: GSM 850 GPRS Frequency: 848.8 MHz Duty Cycle: 1:4

Probe: EX3DV4 – SN3846 ConvF(9.52, 9.52, 9.52)

Area Scan (121x71x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.670 W/kg

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

Reference Value = 24.90 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.766 W/kg

SAR(1 g) = 0.611 W/kg; SAR(10 g) = 0.476 W/kg

Maximum value of SAR (measured) = 0.669 W/kg

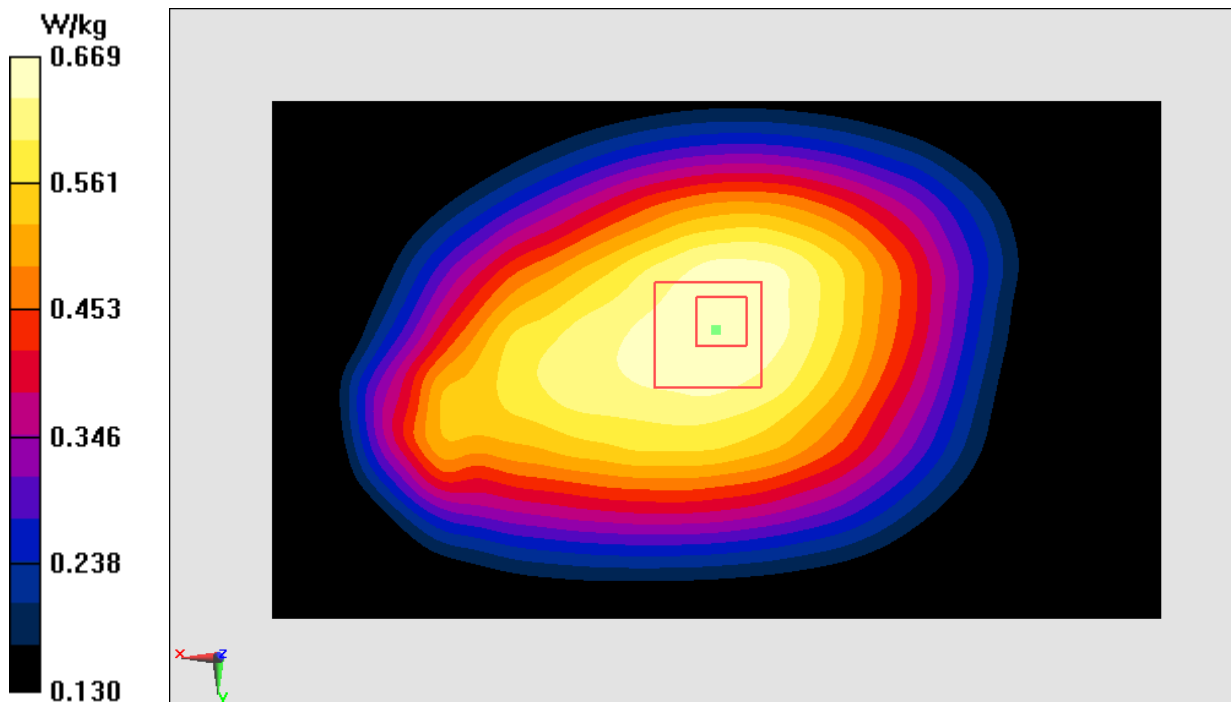


Fig.2 850 MHz

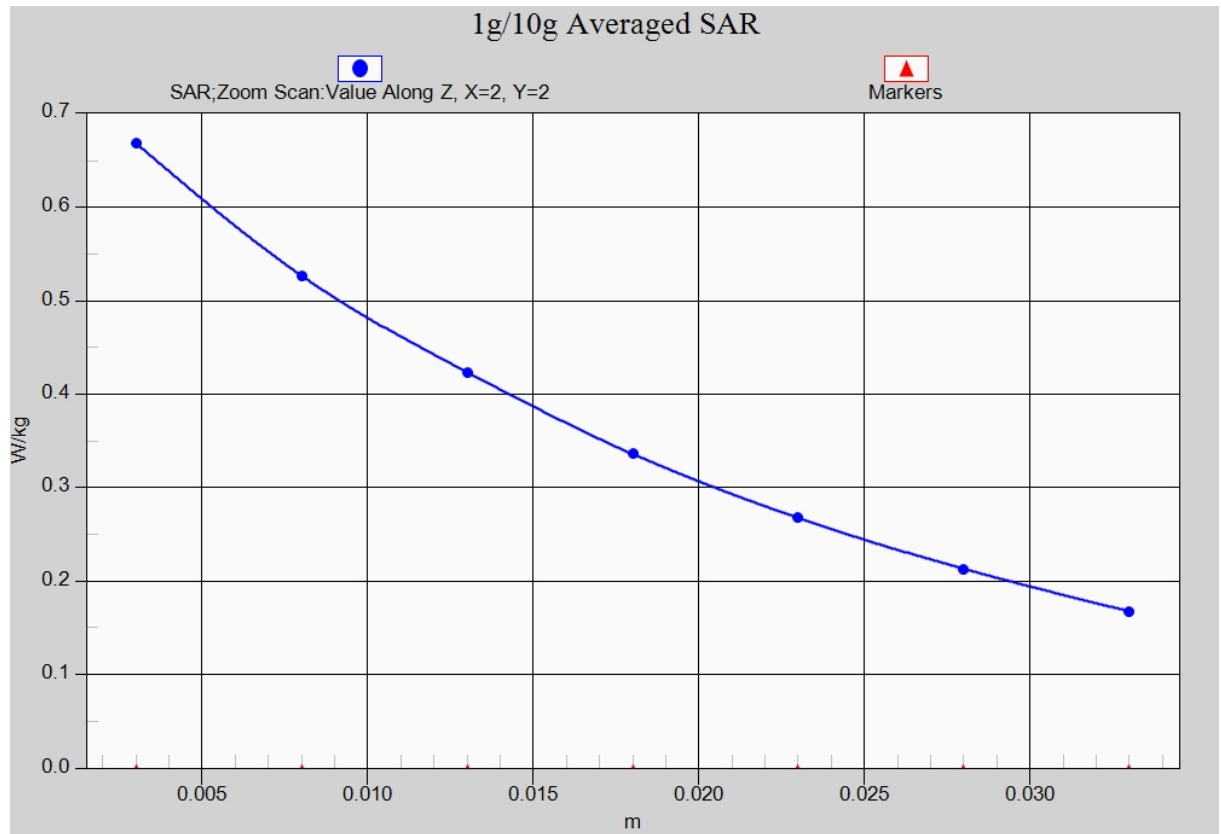


Fig. 2-1 Z-Scan at power reference point (850 MHz)

1900 Left Cheek Middle

Date: 2017-5-14

Electronics: DAE4 Sn1331

Medium: Head 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.383$ mho/m; $\epsilon_r = 41.18$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 22.2°C

Communication System: GSM 1900MHz Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: EX3DV4– SN3846 ConvF(7.89, 7.89, 7.89)

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

Maximum value of SAR (interpolated) = 0.140 W/kg

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

Reference Value = 3.549 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.180 W/kg

SAR(1 g) = 0.123 W/kg; SAR(10 g) = 0.078 W/kg

Maximum value of SAR (measured) = 0.143 W/kg

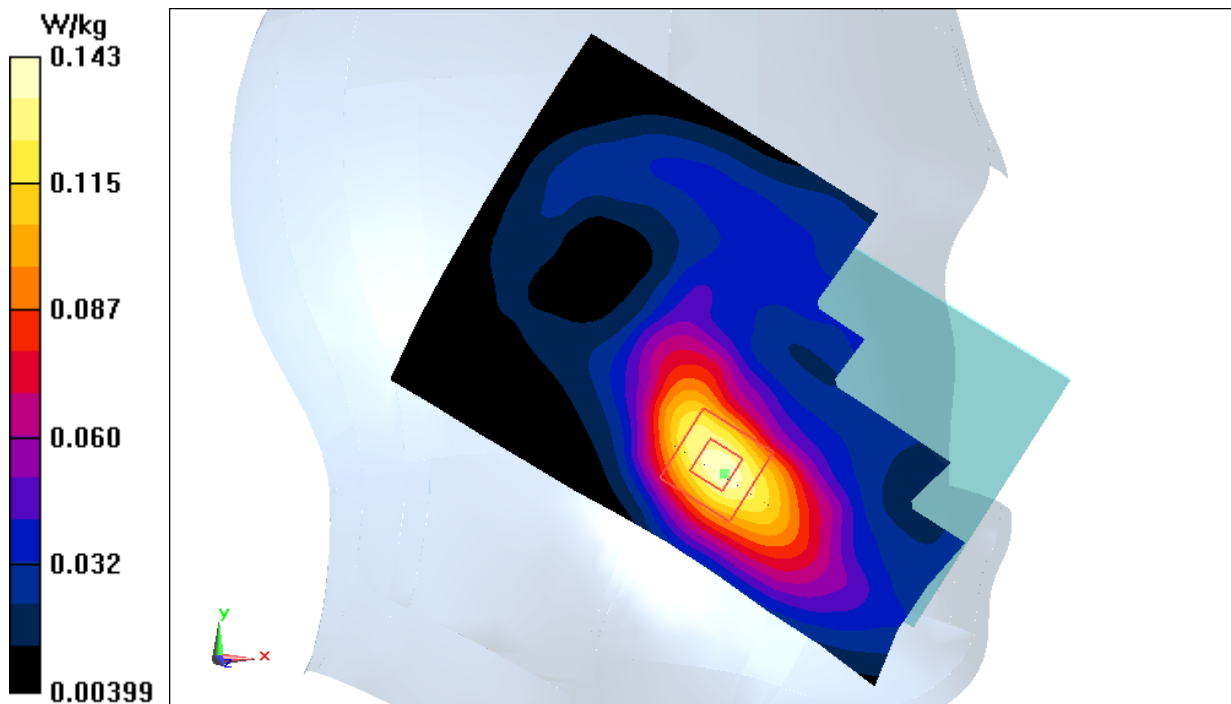


Fig.3 1900 MHz

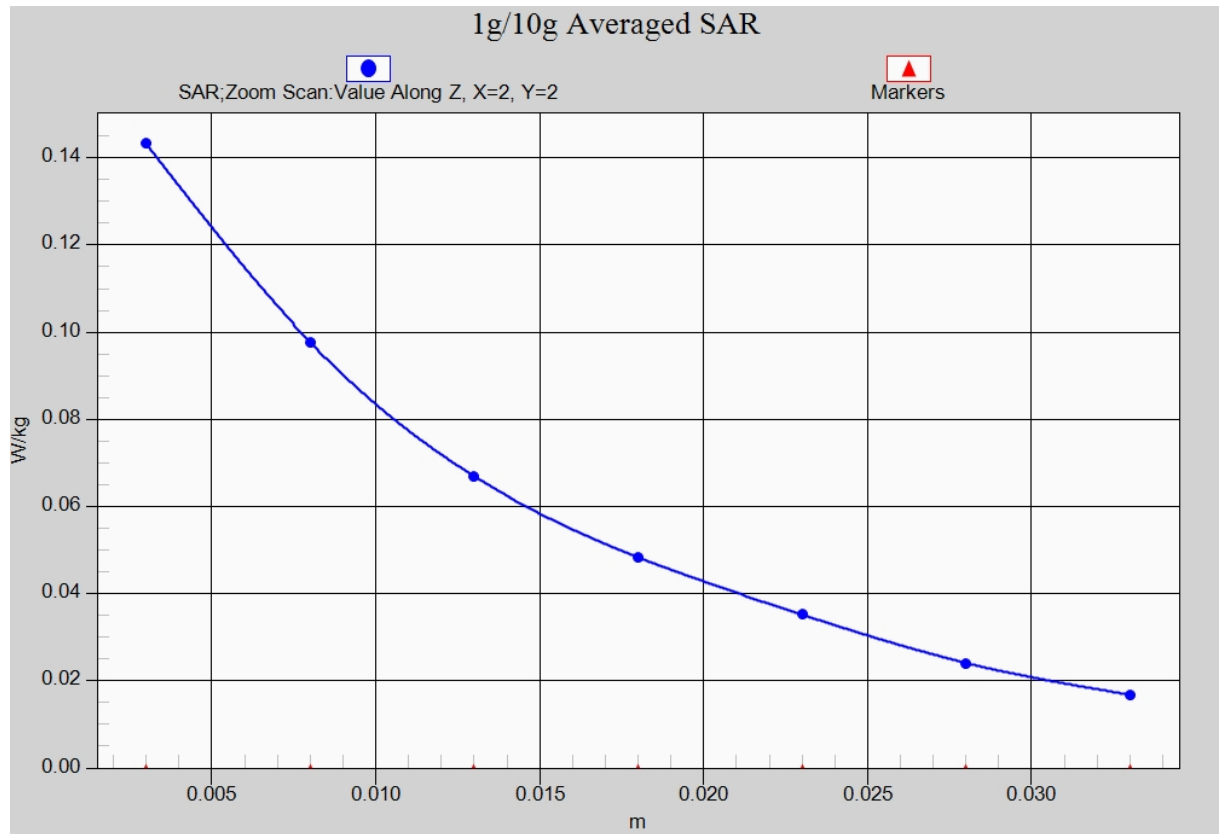


Fig. 3-1 Z-Scan at power reference point (1900 MHz)

1900 Body Bottom High

Date: 2017-5-14

Electronics: DAE4 Sn1331

Medium: Body 1900 MHz

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.525$ mho/m; $\epsilon_r = 52.07$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 22.2°C

Communication System: GSM 1900MHz GPRS Frequency: 1909.8 MHz Duty Cycle: 1:4

Probe: EX3DV4– SN3846 ConvF(7.57, 7.57, 7.57)

Area Scan (131x81x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

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

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

Reference Value = 25.35 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 2.06 W/kg

SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.634 W/kg

Maximum value of SAR (measured) = 1.53 W/kg

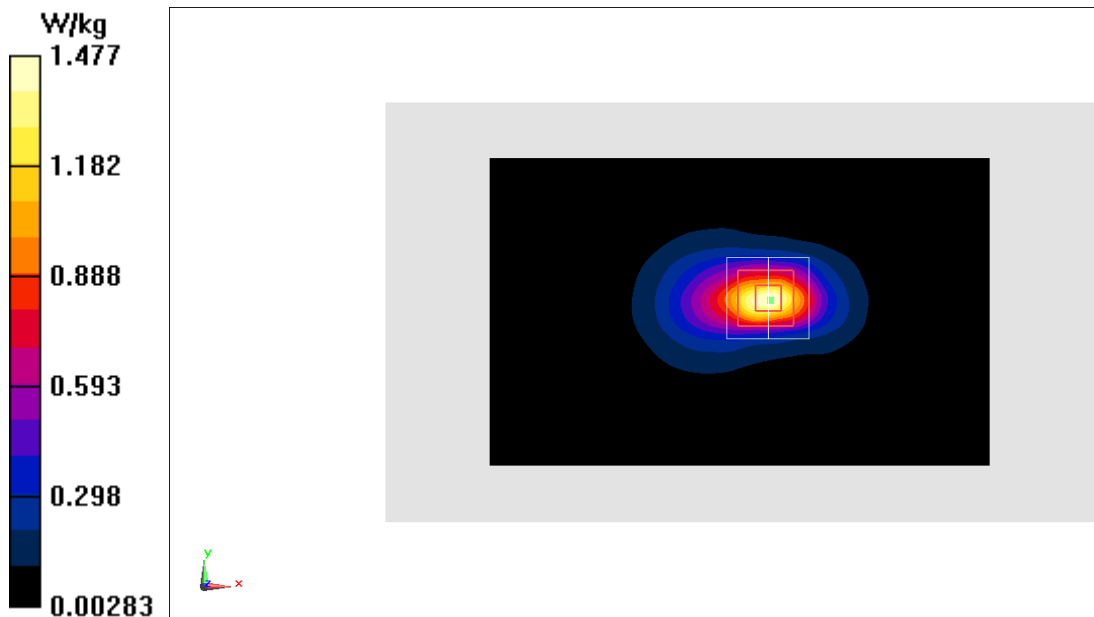


Fig.4 1900 MHz

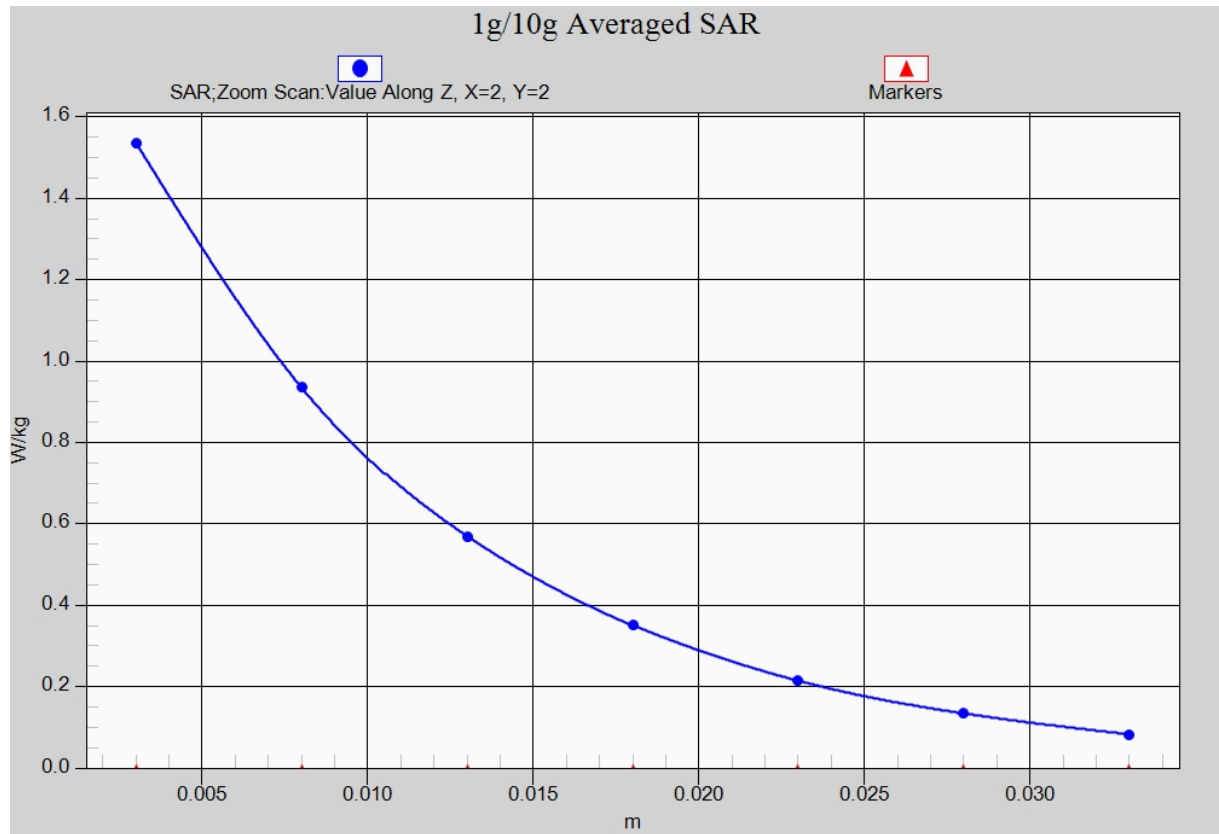


Fig. 4-1 Z-Scan at power reference point (1900 MHz)

WCDMA 850 Right Cheek High

Date: 2017-5-12

Electronics: DAE4 Sn1331

Medium: Head 850 MHz

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.896$ mho/m; $\epsilon_r = 41.64$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 22.2°C

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Probe: EX3DV4 – SN3846 ConvF(9.33, 9.33, 9.33)

Area Scan (71x131x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.235 W/kg

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

Reference Value = 3.596 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.272 W/kg

SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.161 W/kg

Maximum value of SAR (measured) = 0.231 W/kg

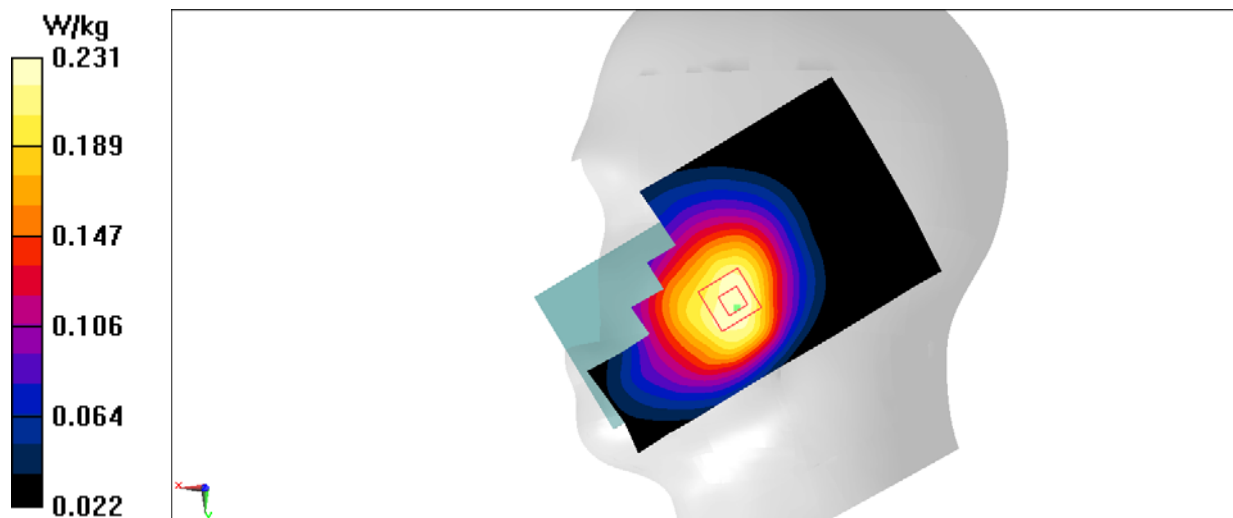


Fig.5 WCDMA 850

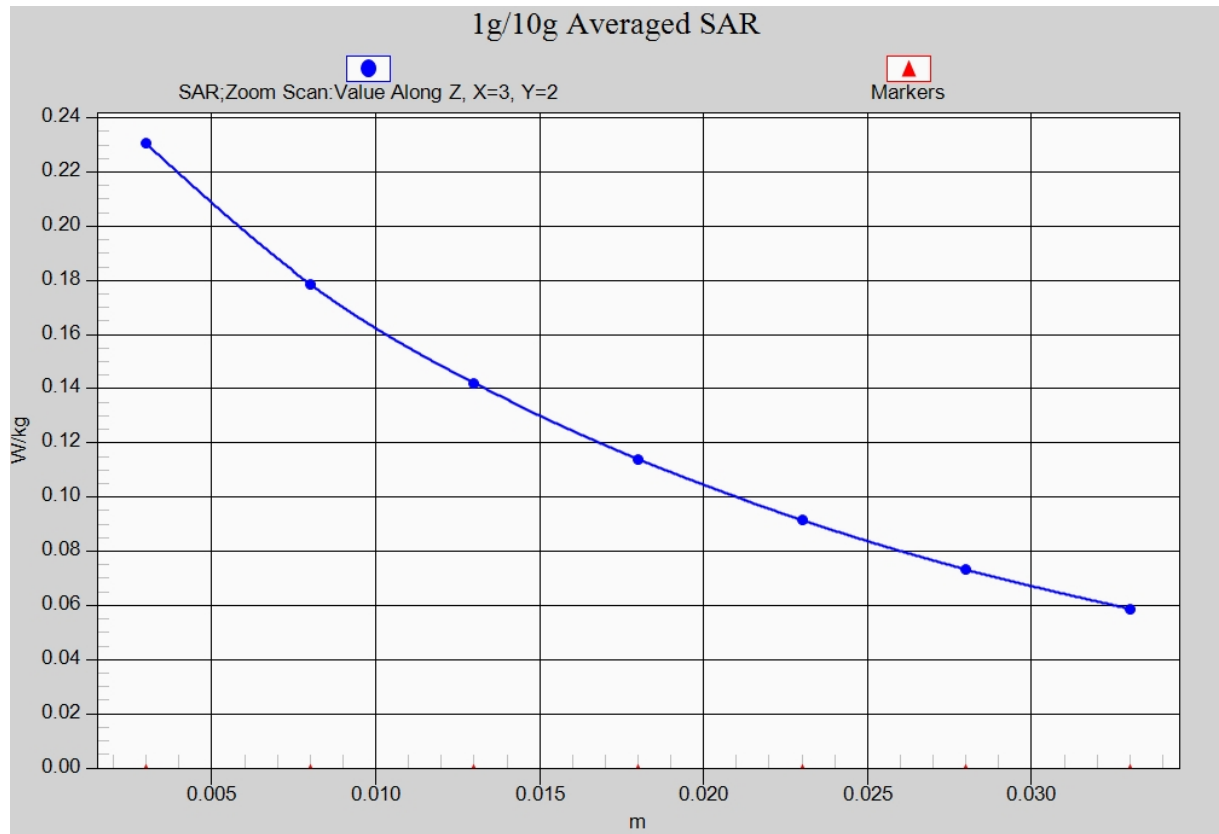


Fig. 5-1 Z-Scan at power reference point (850 MHz)

WCDMA 850 Body Rear High

Date: 2017-5-12

Electronics: DAE4 Sn1331

Medium: Body 850 MHz

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 1.003$ mho/m; $\epsilon_r = 55.28$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 22.2°C

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Probe: EX3DV4 – SN3846 ConvF(9.52, 9.52, 9.52)

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

Maximum value of SAR (interpolated) = 0.411 W/kg

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

Reference Value = 20.53 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.446 W/kg

SAR(1 g) = 0.344 W/kg; SAR(10 g) = 0.267 W/kg

Maximum value of SAR (measured) = 0.412 W/kg

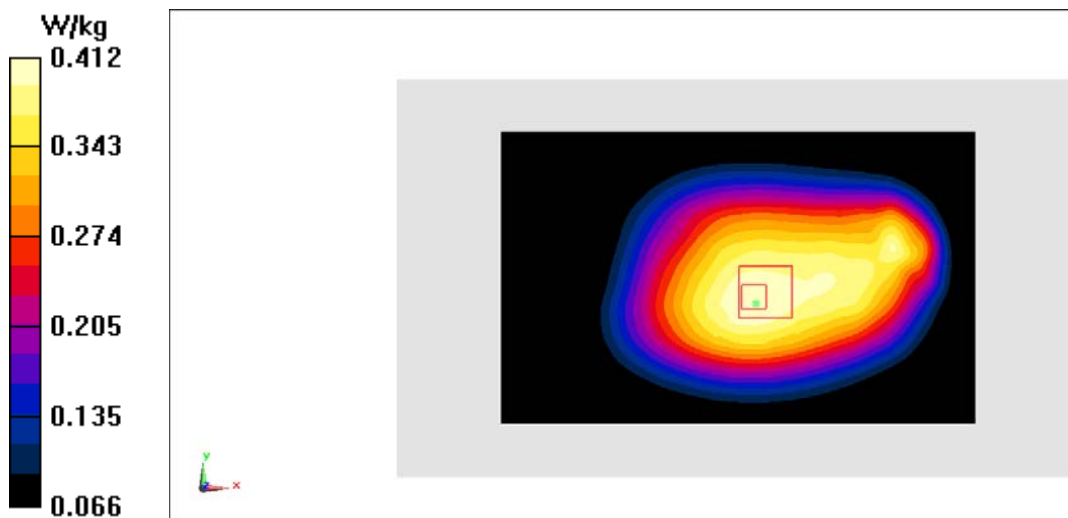


Fig.6 WCDMA 850

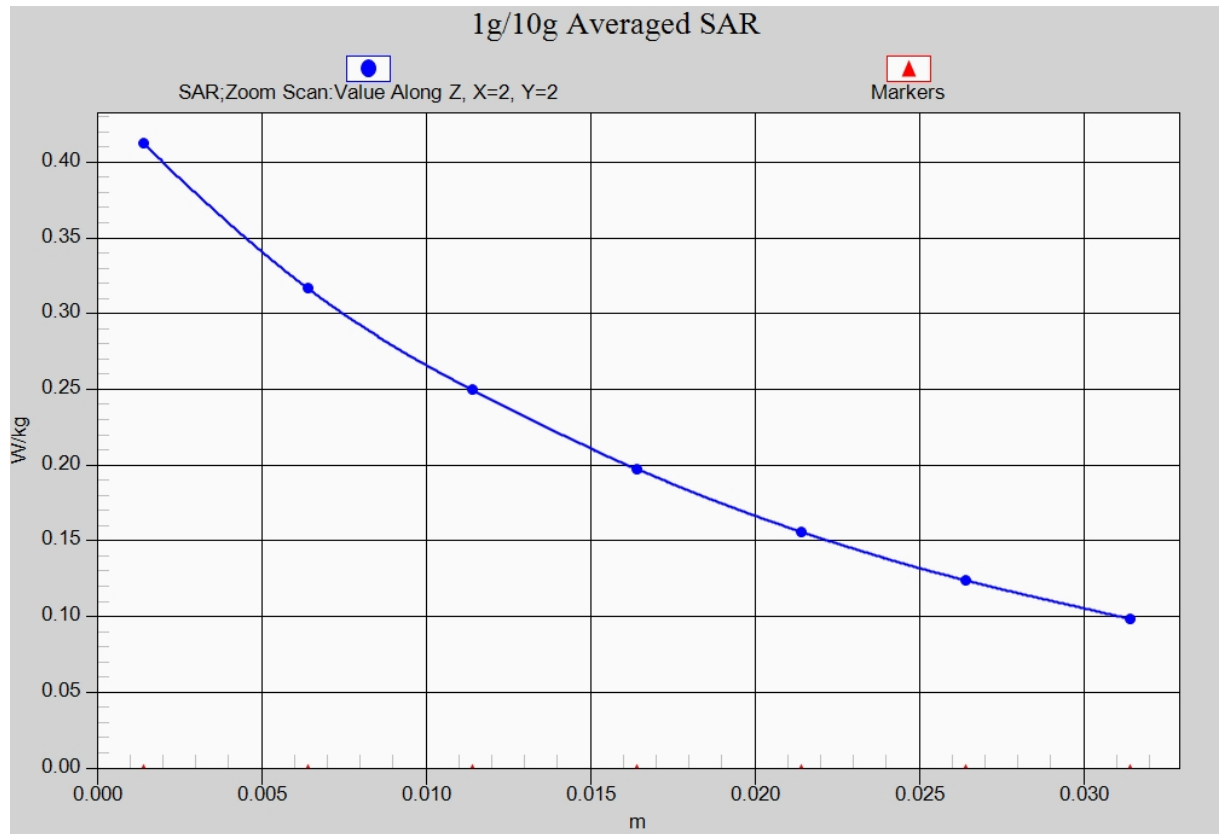


Fig. 6-1 Z-Scan at power reference point (WCDMA850)

WCDMA 1700 Left Cheek Low

Date: 2017-5-13

Electronics: DAE4 Sn1331

Medium: Head 1750 MHz

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.344$ mho/m; $\epsilon_r = 40.47$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 22.2°C

Communication System: WCDMA 1750 Frequency: 1712.4 MHz Duty Cycle: 1:1

Probe: EX3DV4– SN3846 ConvF(8.16, 8.16, 8.16)

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

Maximum value of SAR (interpolated) = 0.342 W/kg

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

Reference Value = 5.314 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.418 W/kg

SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.202 W/kg

Maximum value of SAR (measured) = 0.342 W/kg

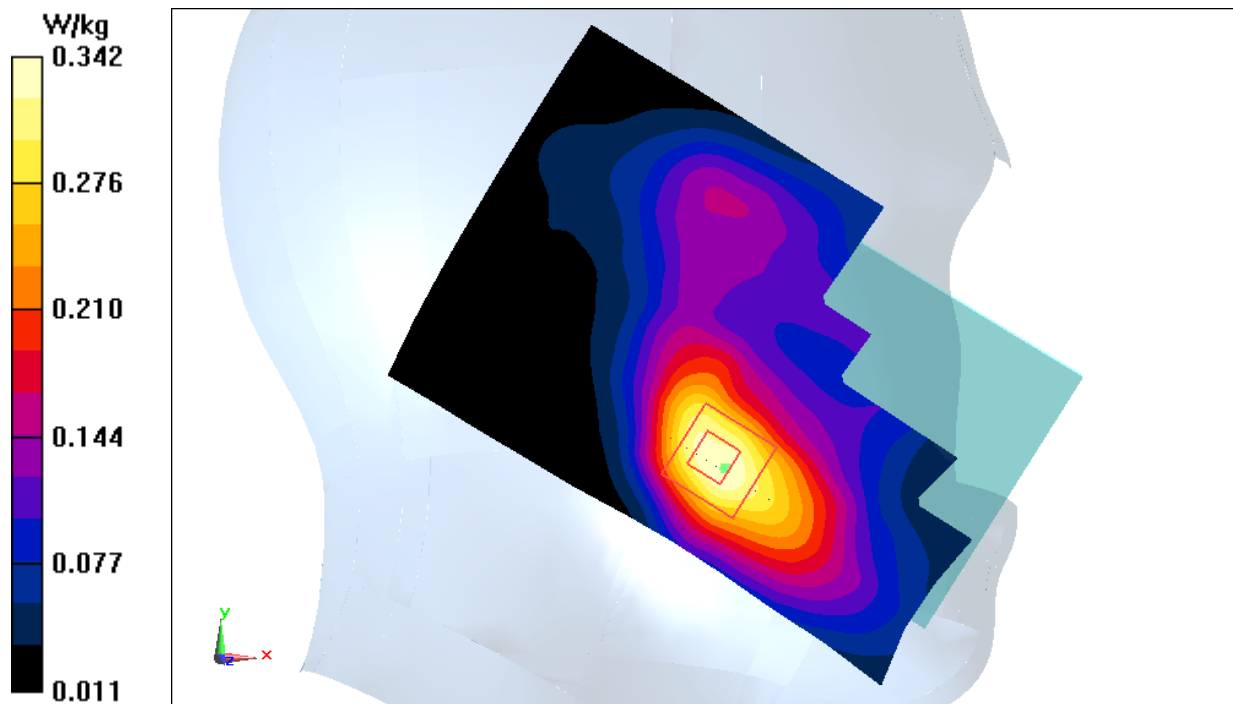


Fig.7 WCDMA1700

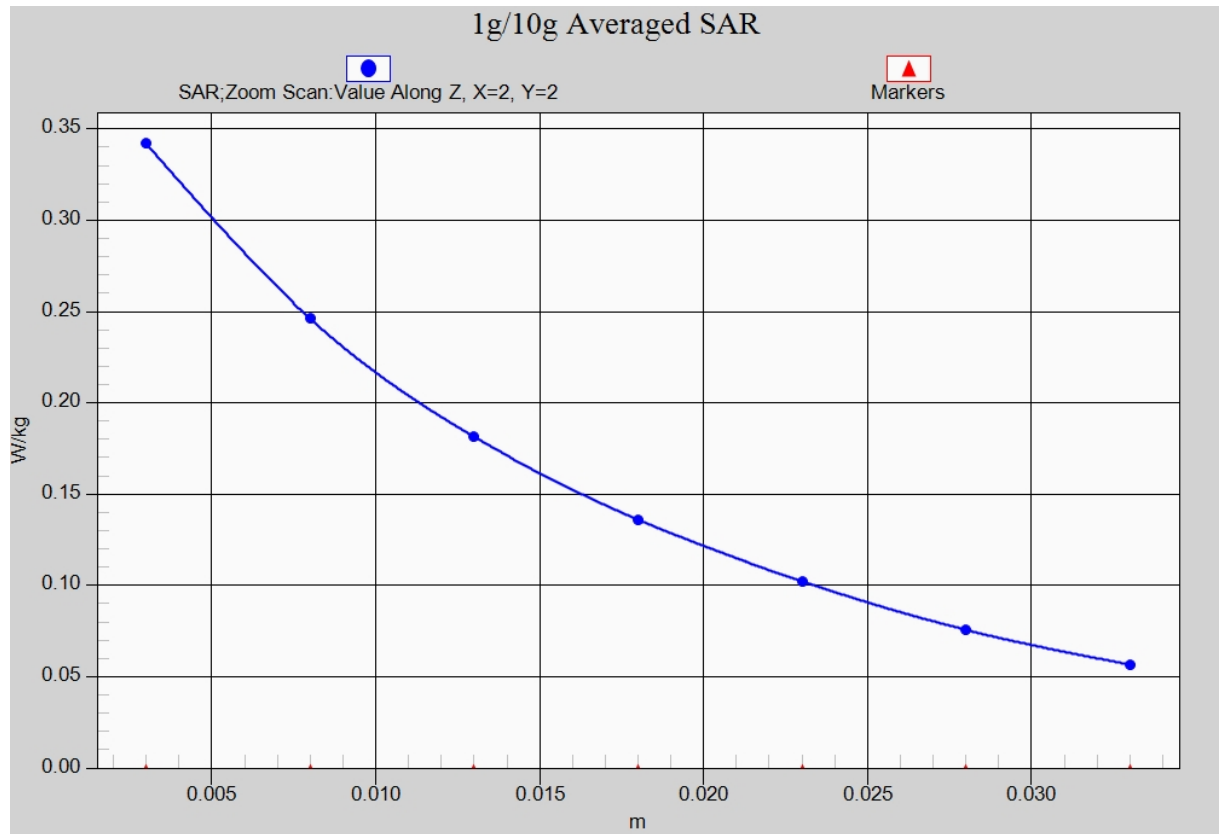


Fig. 7-1 Z-Scan at power reference point (WCDMA1700)

WCDMA 1700 Body Bottom High AP ON

Date: 2017-5-13

Electronics: DAE4 Sn1331

Medium: Body 1750 MHz

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.479$ mho/m; $\epsilon_r = 53.19$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 22.2°C

Communication System: WCDMA 1900 Frequency: 1752.6 MHz Duty Cycle: 1:1

Probe: EX3DV4– SN3846 ConvF(7.90, 7.90, 7.90)

Area Scan (131x81x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.986 W/kg

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

Reference Value = 17.94 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.838 W/kg; SAR(10 g) = 0.429 W/kg

Maximum value of SAR (measured) = 1.05 W/kg

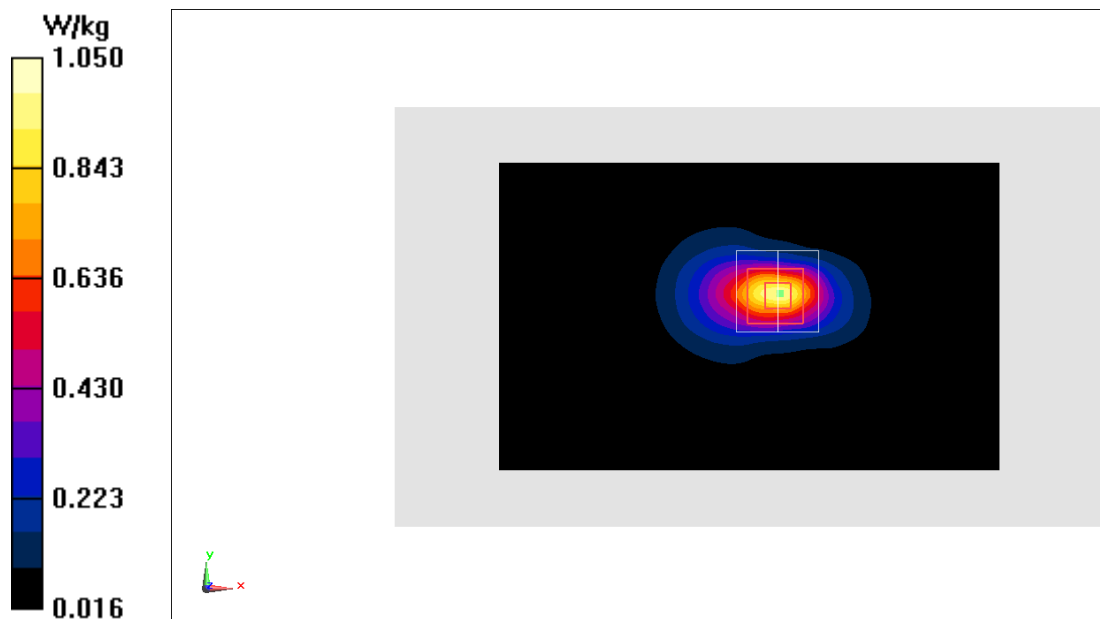


Fig.8 WCDMA1700

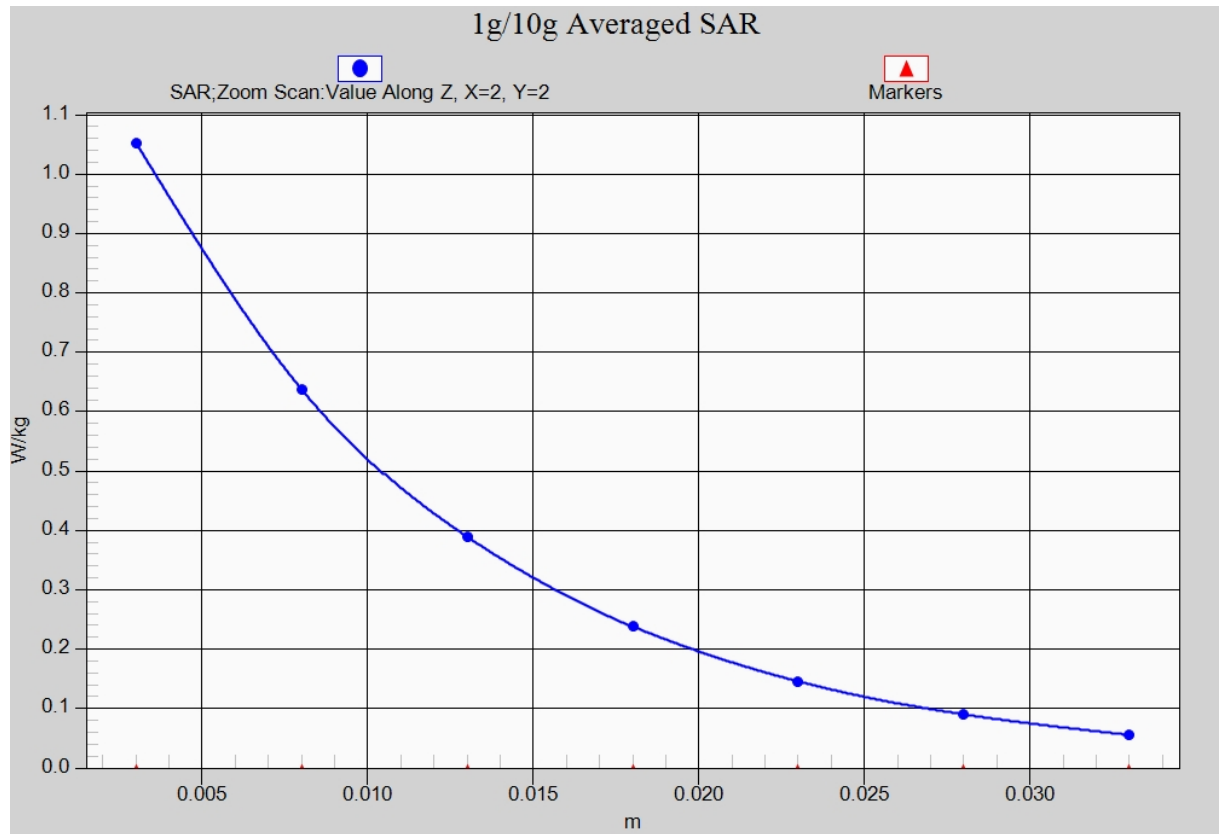


Fig. 8-1 Z-Scan at power reference point (WCDMA1700)

WCDMA 1700 Body Rear High AP OFF

Date: 2017-5-13

Electronics: DAE4 Sn1331

Medium: Body 1750 MHz

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.479$ mho/m; $\epsilon_r = 53.19$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 22.2°C

Communication System: WCDMA 1900 Frequency: 1752.6 MHz Duty Cycle: 1:1

Probe: EX3DV4– SN3846 ConvF(7.90, 7.90, 7.90)

Area Scan (131x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.552 W/kg

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

Reference Value = 12.06 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.815 W/kg

SAR(1 g) = 0.504 W/kg; SAR(10 g) = 0.295 W/kg

Maximum value of SAR (measured) = 0.622 W/kg

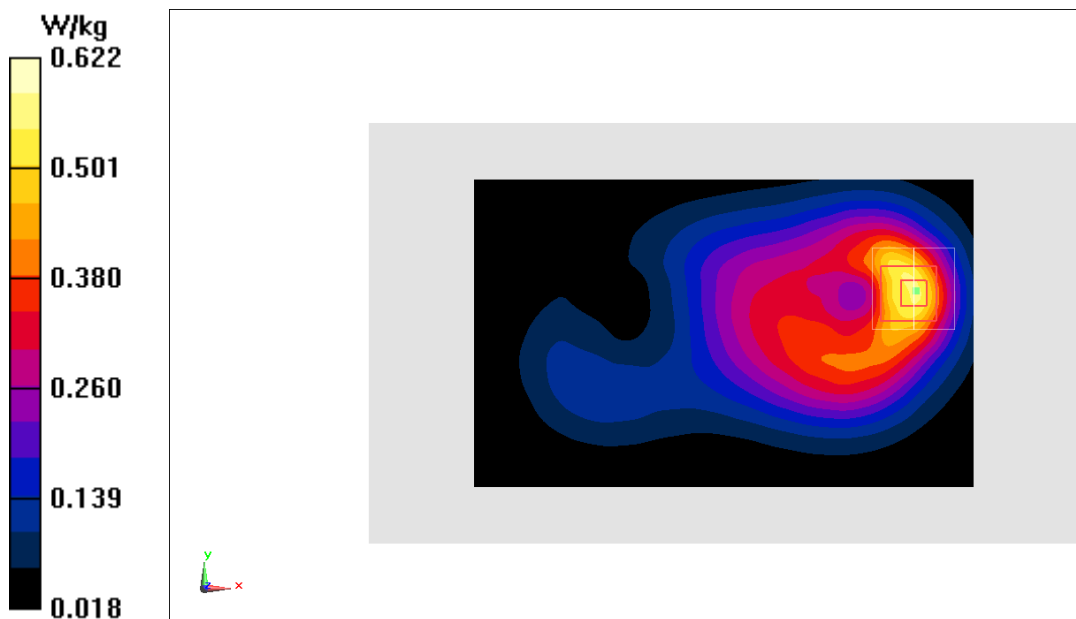


Fig.9 WCDMA1700

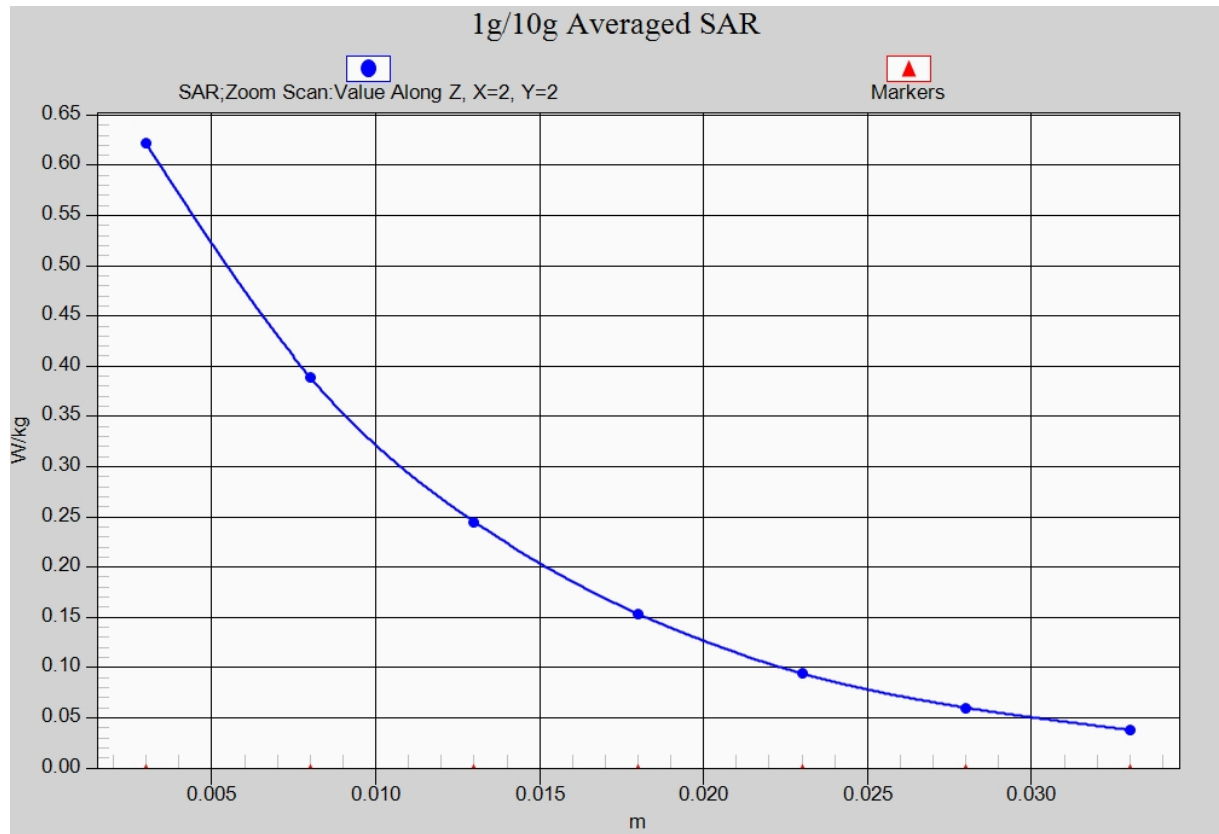


Fig. 9-1 Z-Scan at power reference point (WCDMA1700)

WCDMA 1900 Left Cheek Low

Date: 2017-5-14

Electronics: DAE4 Sn1331

Medium: Head 1900 MHz

Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.363$ mho/m; $\epsilon_r = 40.76$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 22.2°C

Communication System: WCDMA 1900 Frequency: 1852.4 MHz Duty Cycle: 1:1

Probe: EX3DV4- SN3846 ConvF(7.89, 7.89, 7.89)

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

Maximum value of SAR (interpolated) = 0.261 W/kg

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

Reference Value = 6.017 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.336 W/kg

SAR(1 g) = 0.230 W/kg; SAR(10 g) = 0.148 W/kg

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

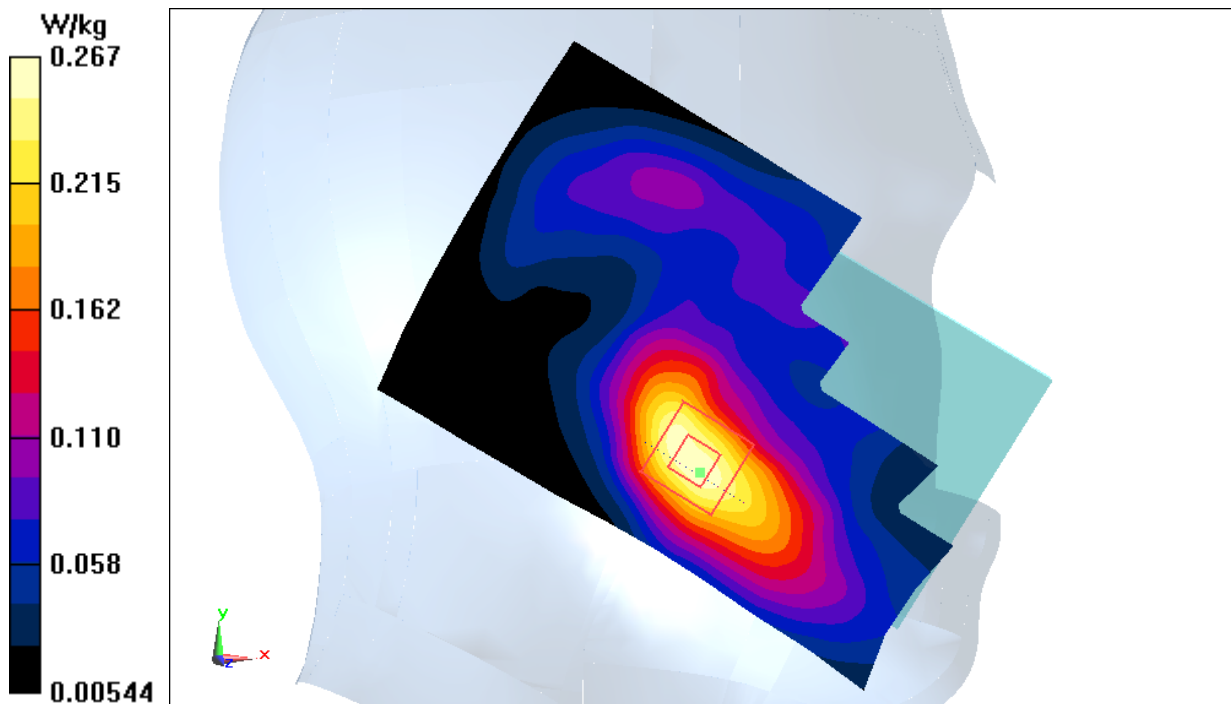


Fig.10 WCDMA1900

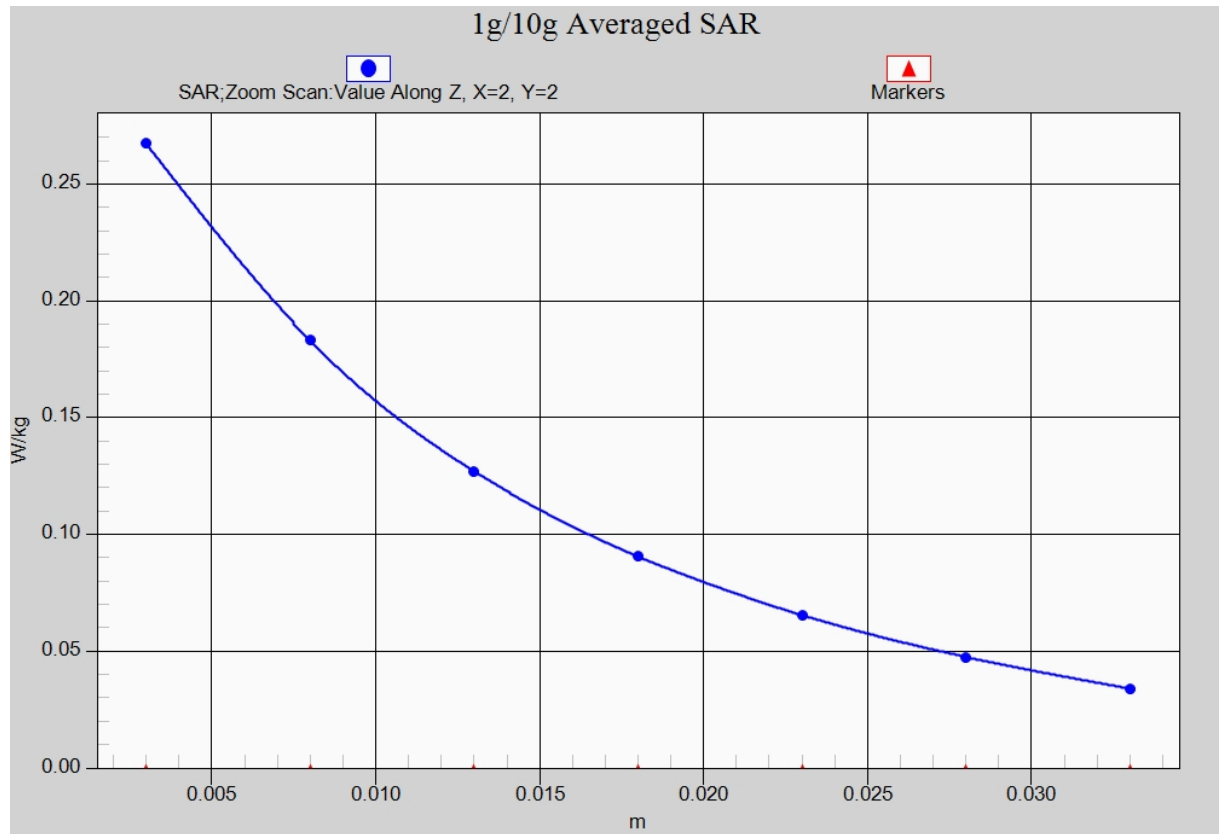


Fig. 10-1 Z-Scan at power reference point (WCDMA1900)

WCDMA 1900 Body Bottom High AP ON

Date: 2017-5-14

Electronics: DAE4 Sn1331

Medium: Body 1900 MHz

Medium parameters used: $f = 1907.6$ MHz; $\sigma = 1.523$ mho/m; $\epsilon_r = 52.13$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 22.2°C

Communication System: WCDMA 1900 Frequency: 1907.6 MHz Duty Cycle: 1:1

Probe: EX3DV4- SN3846 ConvF(7.57, 7.57, 7.57)

Area Scan (131x81x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

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

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

Reference Value = 22.27 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.887 W/kg; SAR(10 g) = 0.464 W/kg

Maximum value of SAR (measured) = 1.11 W/kg

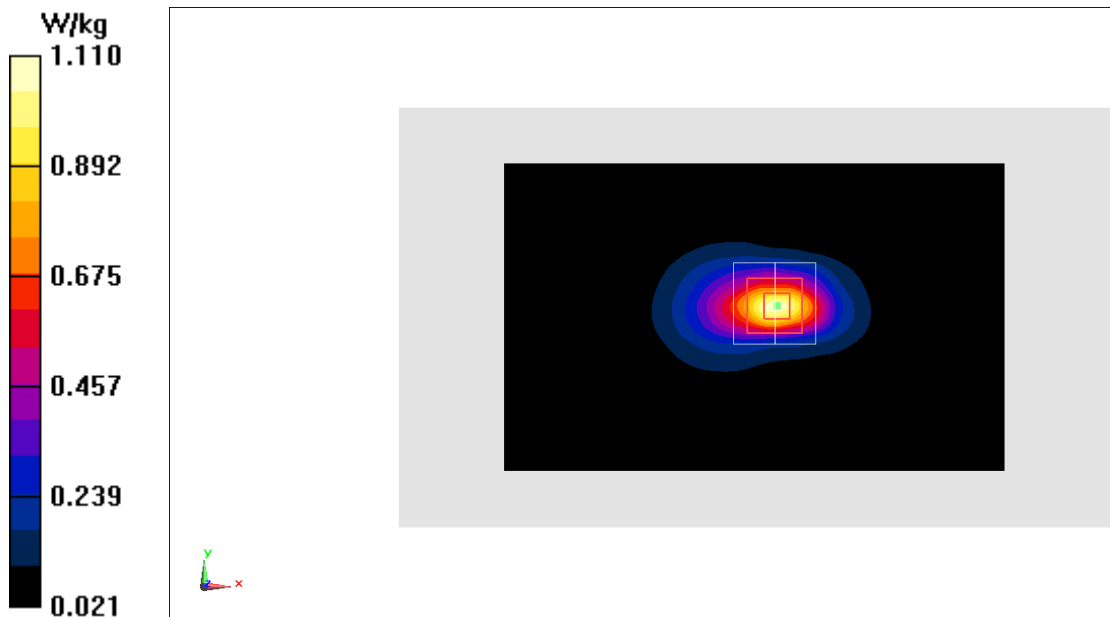


Fig.11 WCDMA1900

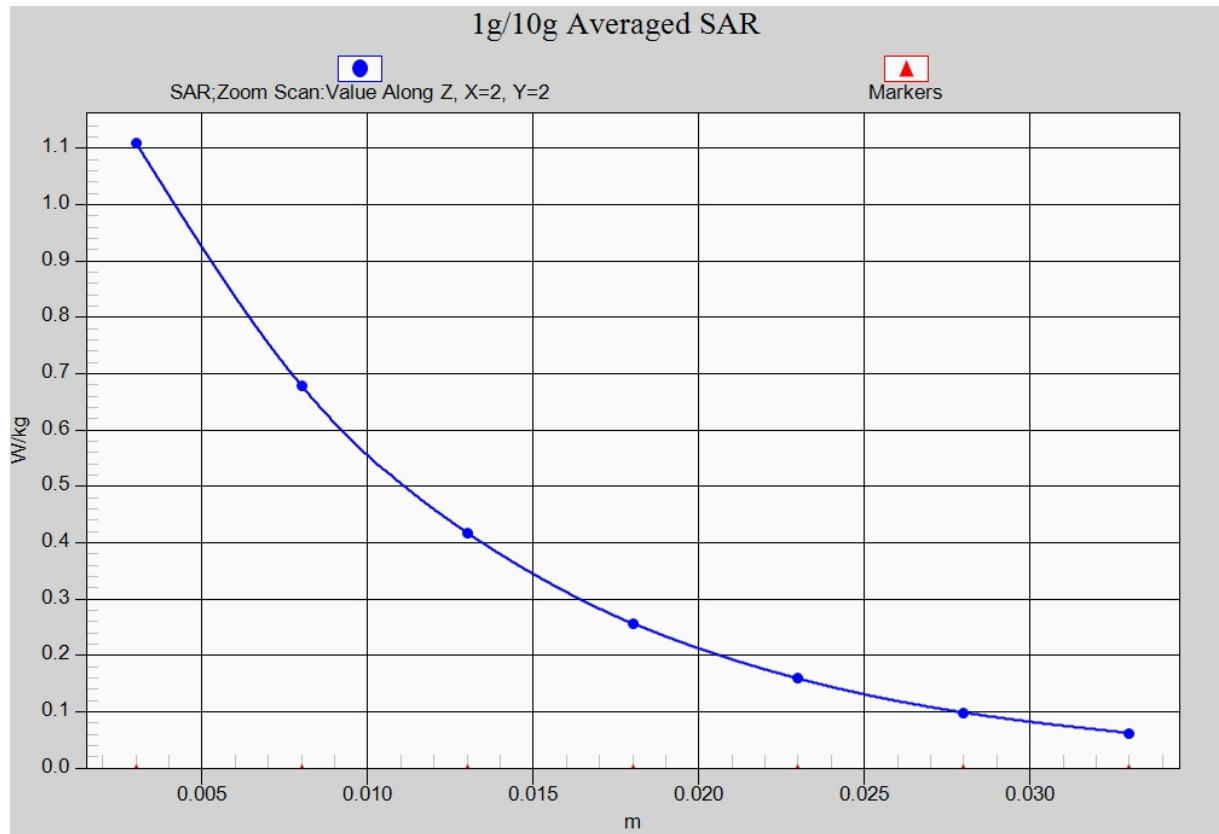


Fig. 11-1 Z-Scan at power reference point (WCDMA1900)

WCDMA 1900 Body Rear High AP OFF

Date: 2017-5-14

Electronics: DAE4 Sn1331

Medium: Body 1900 MHz

Medium parameters used: $f = 1907.6$ MHz; $\sigma = 1.523$ mho/m; $\epsilon_r = 52.13$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 22.2°C

Communication System: WCDMA 1900 Frequency: 1907.6 MHz Duty Cycle: 1:1

Probe: EX3DV4– SN3846 ConvF(7.57, 7.57, 7.57)

Area Scan (131x81x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.570 W/kg

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

Reference Value = 9.581 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.808 W/kg

SAR(1 g) = 0.496 W/kg; SAR(10 g) = 0.282 W/kg

Maximum value of SAR (measured) = 0.596 W/kg

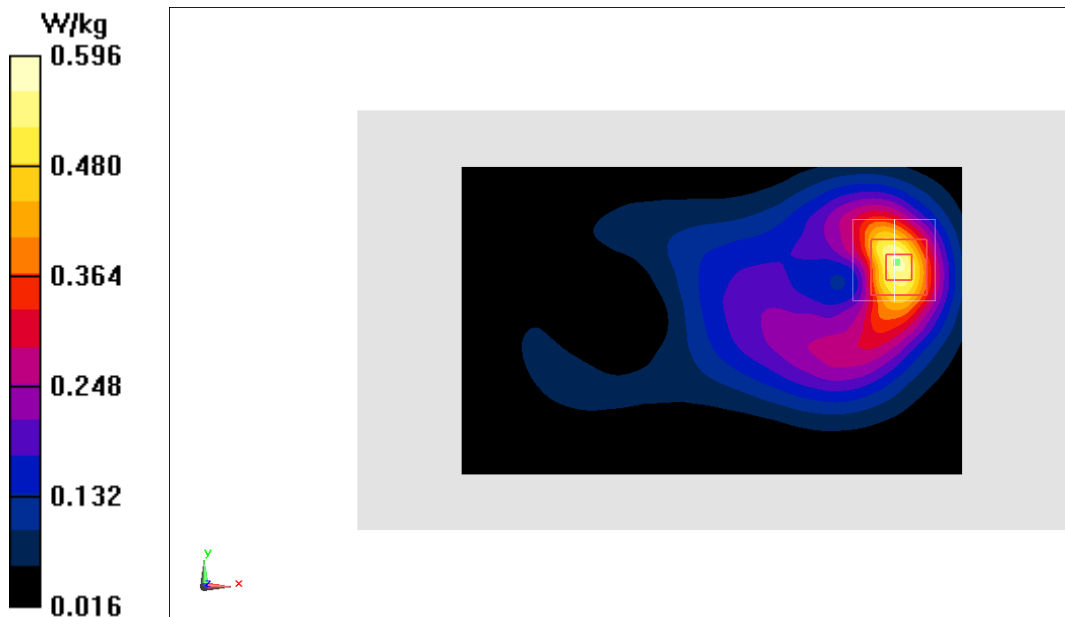


Fig.12 WCDMA1900

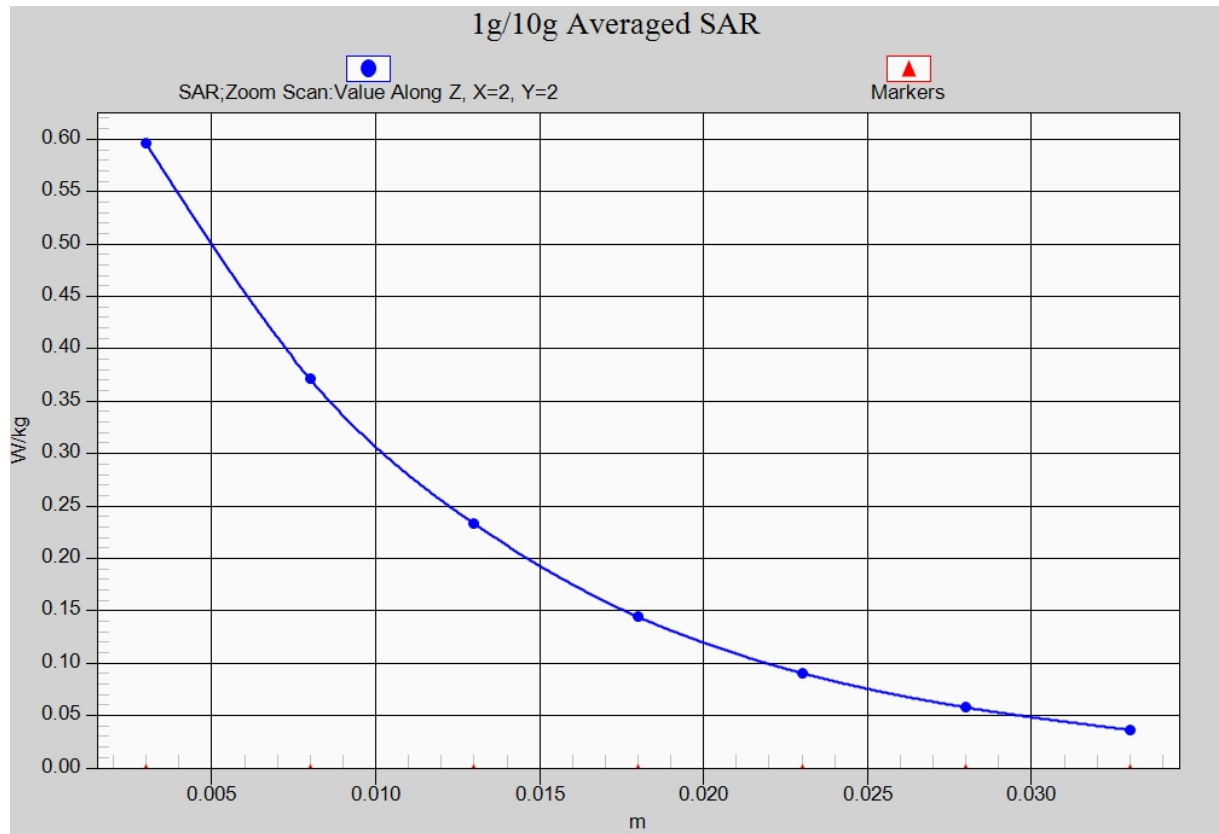


Fig. 12-1 Z-Scan at power reference point (WCDMA1900)

LTE Band2 Left Cheek High with QPSK_20M_1RB_High

Date: 2017-5-14

Electronics: DAE4 Sn1331

Medium: Head 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.398$ mho/m; $\epsilon_r = 39.76$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 22.2°C

Communication System: LTE Band2 Frequency: 1900 MHz Duty Cycle: 1:1

Probe: EX3DV4– SN3846 ConvF(7.89, 7.89, 7.89)

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

Maximum value of SAR (interpolated) = 0.271 W/kg

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

Reference Value = 5.964 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.349 W/kg

SAR(1 g) = 0.234 W/kg; SAR(10 g) = 0.149 W/kg

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

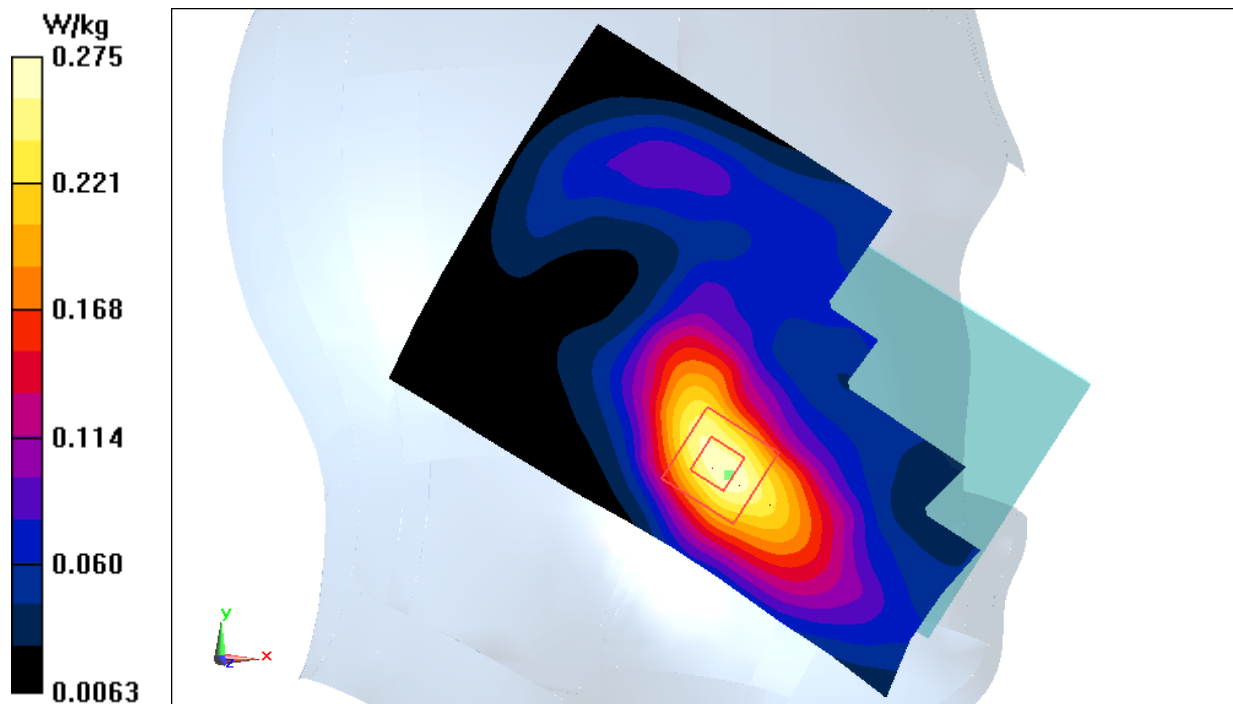


Fig.13 LTE Band2

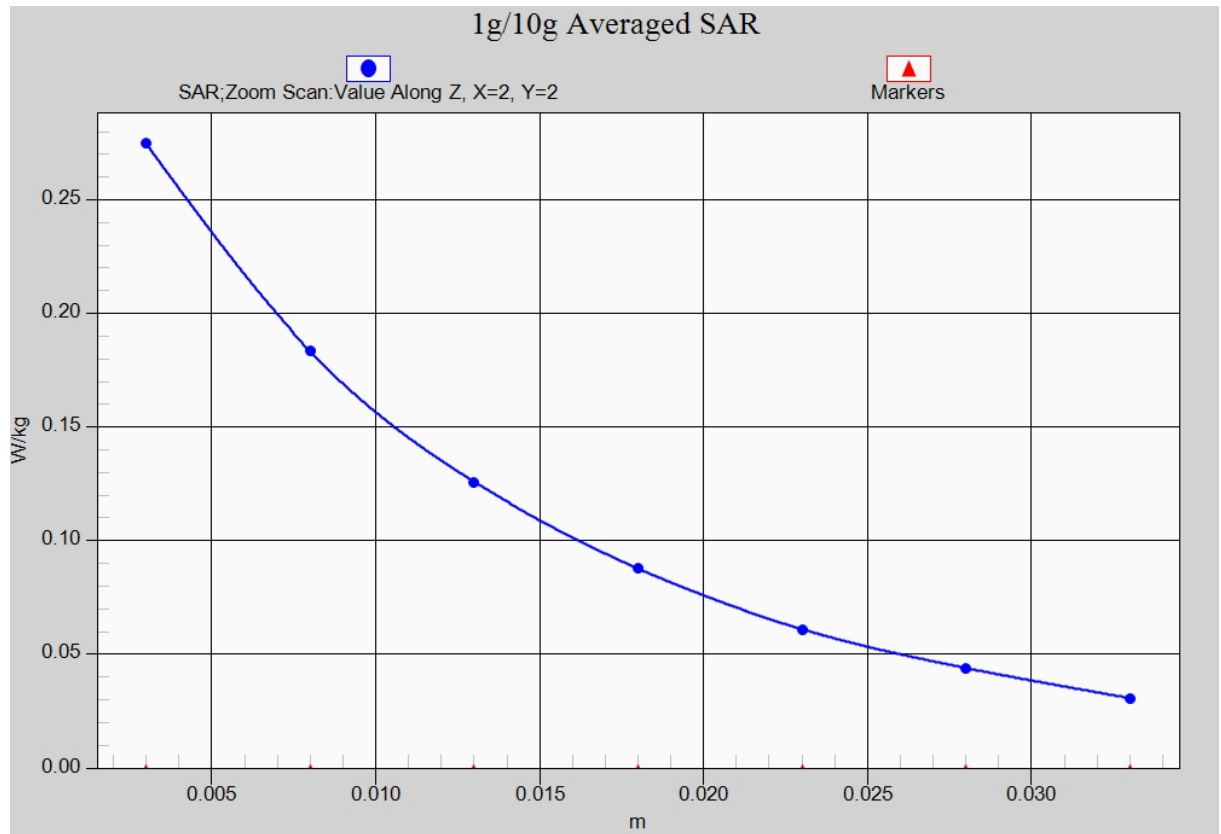


Fig. 13-1 Z-Scan at power reference point (LTE Band2)

LTE Band2 Body Bottom High with QPSK_20M_1RB_High AP ON

Date: 2017-5-14

Electronics: DAE4 Sn1331

Medium: Body 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.517$ mho/m; $\epsilon_r = 52.34$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 22.2°C

Communication System: LTE Band2 Frequency: 1900 MHz Duty Cycle: 1:1

Probe: EX3DV4– SN3846 ConvF(7.57, 7.57, 7.57)

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

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

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

Reference Value = 24.75 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 0.995 W/kg; SAR(10 g) = 0.510 W/kg

Maximum value of SAR (measured) = 1.26 W/kg

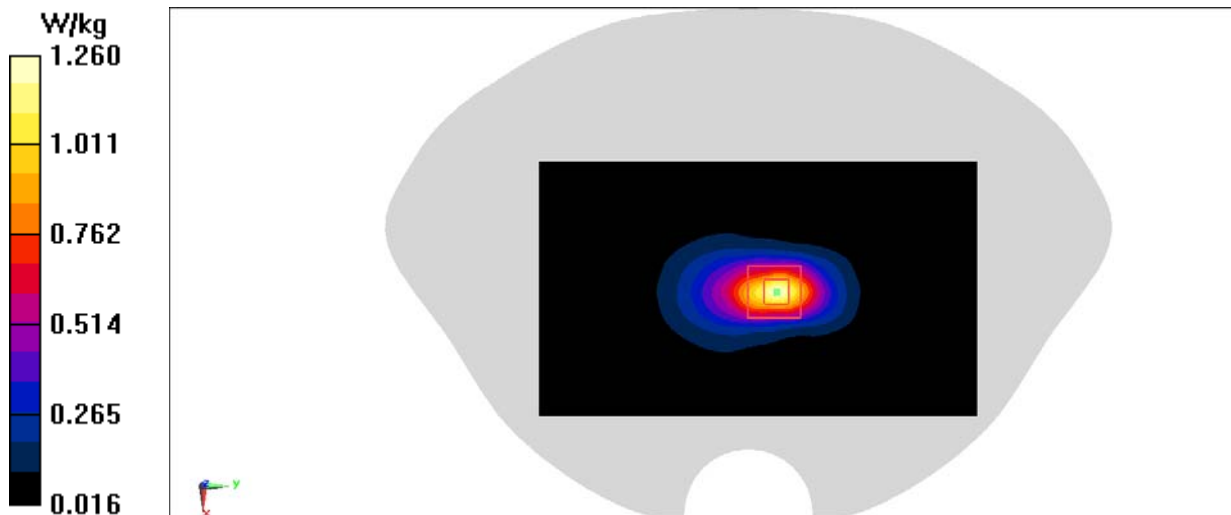


Fig.14 LTE Band2

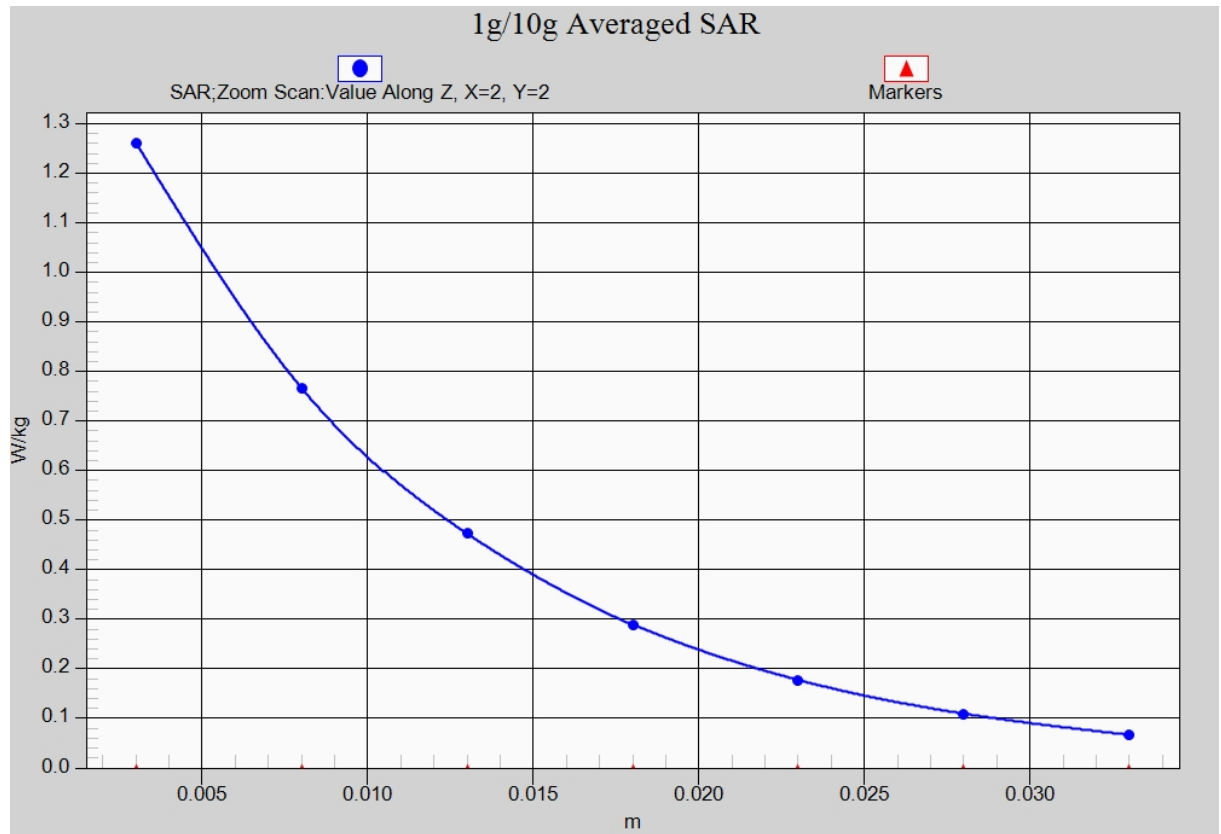


Fig. 14-1 Z-Scan at power reference point (LTE Band2)

LTE Band2 Body Rear High with QPSK_20M_1RB_High AP OFF

Date: 2017-5-14

Electronics: DAE4 Sn1331

Medium: Body 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.517$ mho/m; $\epsilon_r = 52.34$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 22.2°C

Communication System: LTE Band2 Frequency: 1900 MHz Duty Cycle: 1:1

Probe: EX3DV4– SN3846 ConvF(7.57, 7.57, 7.57)

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

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

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

Reference Value = 11.05 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.964 W/kg

SAR(1 g) = 0.586 W/kg; SAR(10 g) = 0.327 W/kg

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

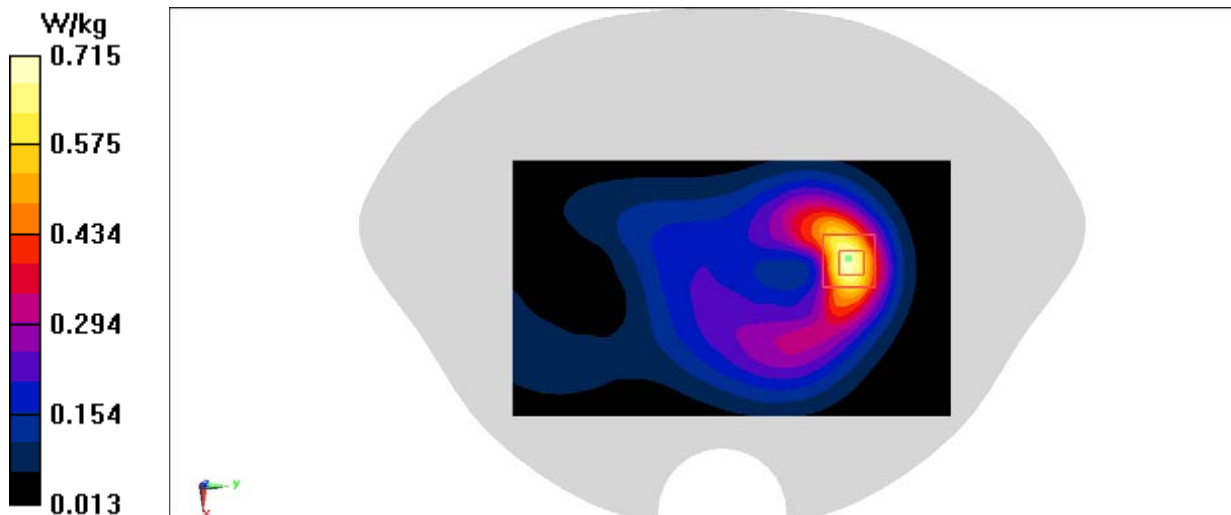


Fig.15 LTE Band2

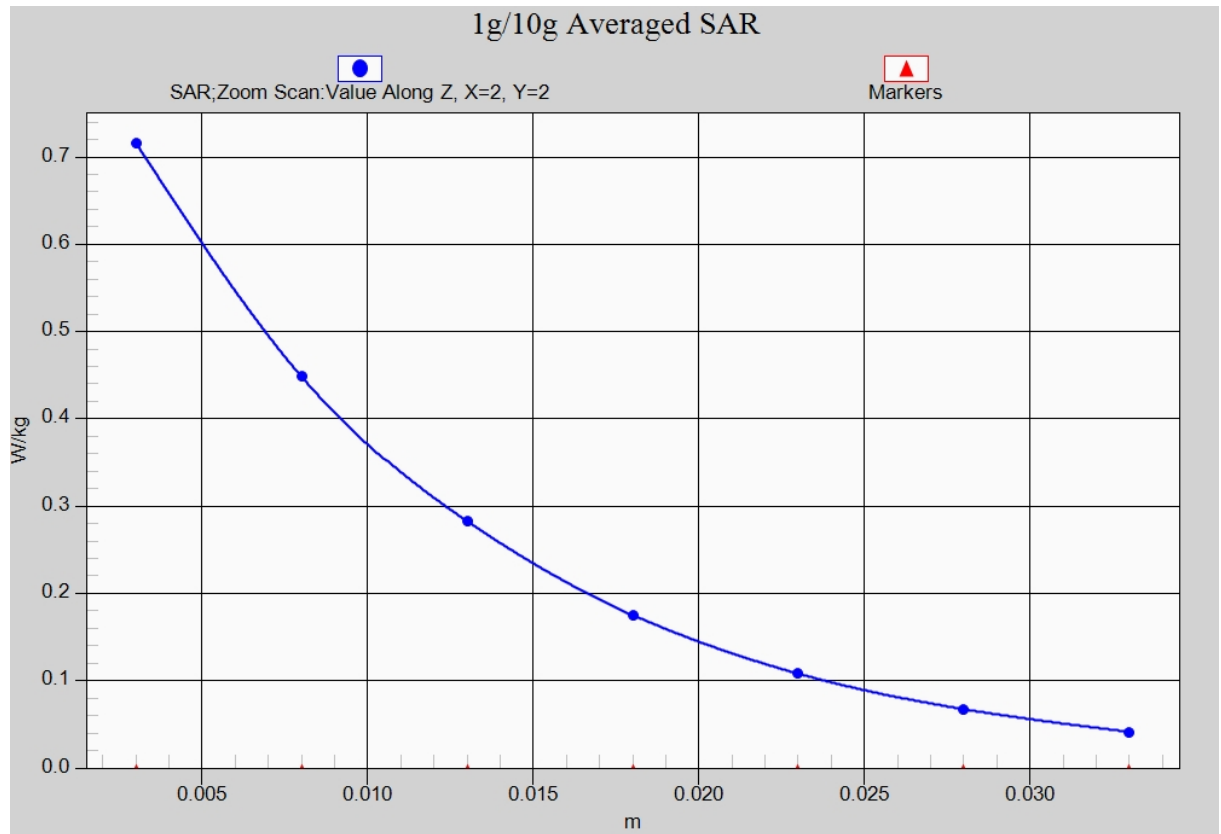


Fig. 15-1 Z-Scan at power reference point (LTE Band2)

LTE Band4 Left Cheek Low with QPSK_20M_1RB_High

Date: 2017-5-13

Electronics: DAE4 Sn1331

Medium: Head 1750 MHz

Medium parameters used $f = 1720$ MHz; $\sigma = 1.349$ mho/m; $\epsilon_r = 40.30$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 22.2°C

Communication System: LTE Band4 Frequency: 1720 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3846 ConvF(8.16, 8.16, 8.16)

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

Maximum value of SAR (interpolated) = 0.325 W/kg

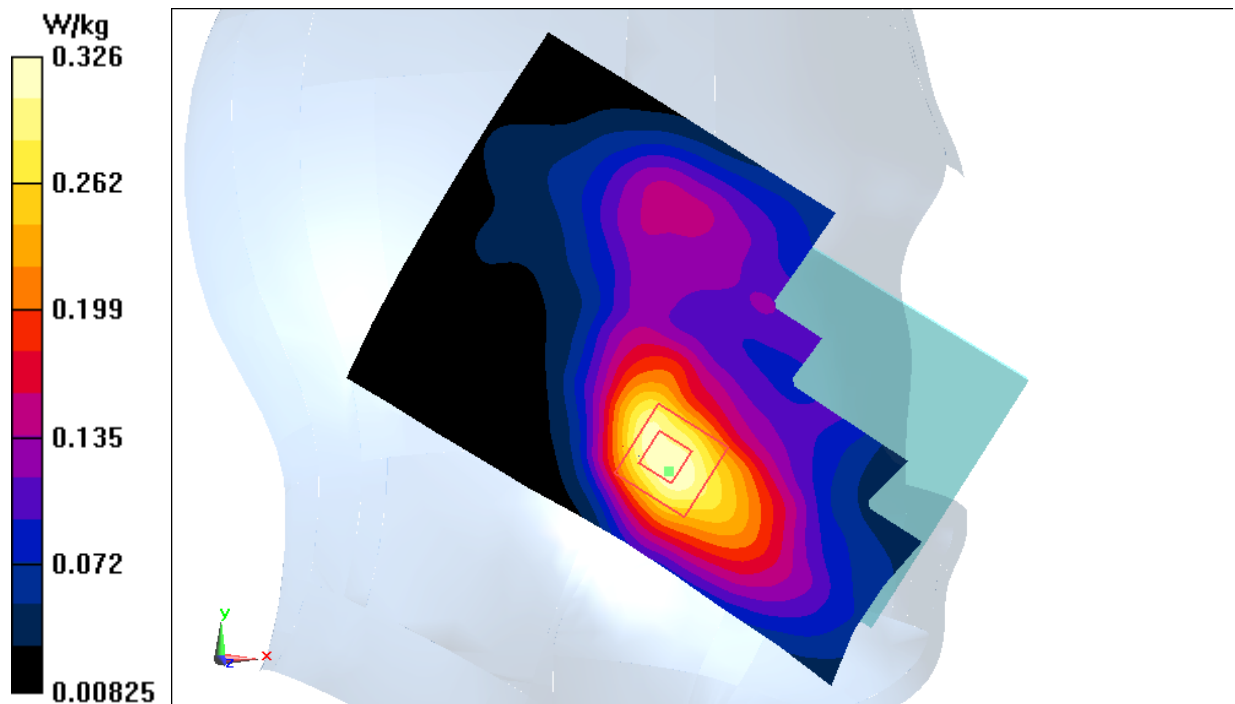
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.173 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.402 W/kg

SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.191 W/kg

Maximum value of SAR (measured) = 0.326 W/kg

**Fig.16 LTE Band4**

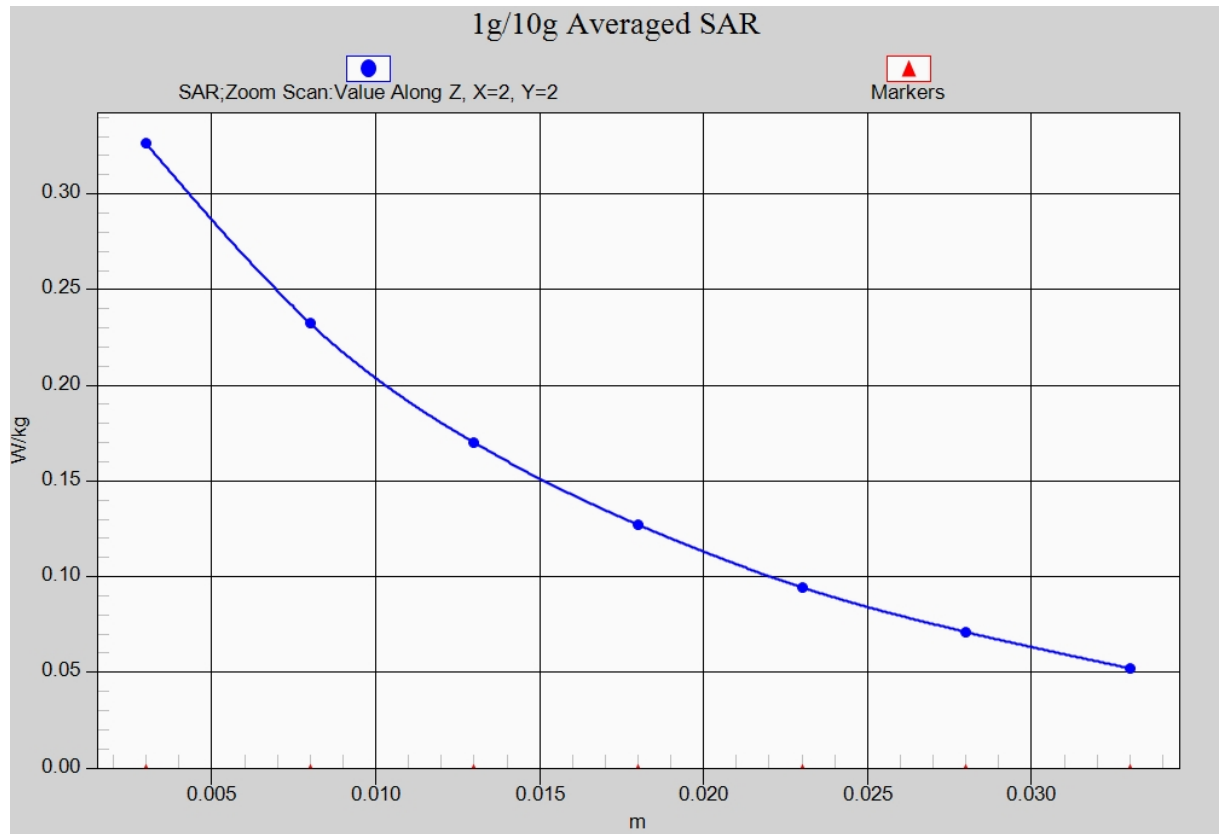


Fig. 16-1 Z-Scan at power reference point (LTE Band4)

LTE Band4 Body Bottom Low with QPSK_20M_1RB_High AP ON

Date: 2017-5-13

Electronics: DAE4 Sn1331

Medium: Body 1750 MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.452$ mho/m; $\epsilon_r = 54.18$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 22.2°C

Communication System: LTE Band4 Frequency: 1720 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN3846 ConvF(7.90, 7.90, 7.90)

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

Maximum value of SAR (interpolated) = 0.840 W/kg

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

Reference Value = 19.56 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.697 W/kg; SAR(10 g) = 0.367 W/kg

Maximum value of SAR (measured) = 0.869 W/kg

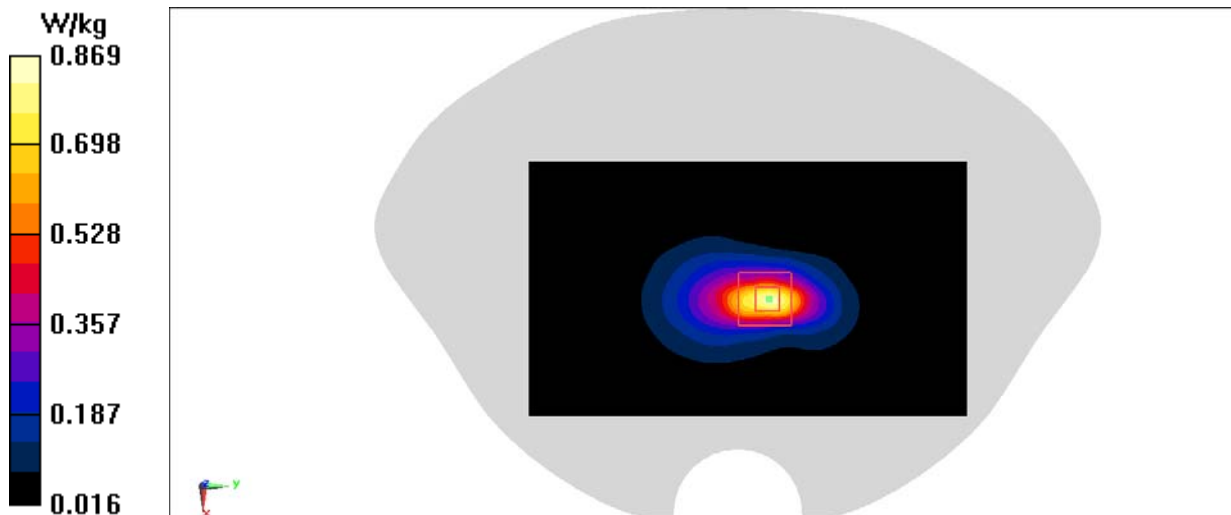


Fig.17 LTE Band4