5 MHz	1RB High (24)	2567.5	22.7	22.21	0	21.36	1
		2535	22.7	22.50	0	21.68	1
		2502.5	22.7	22.41	0	20.97	1
	1RB Middle (12)	2567.5	22.7	22.25	0	21.42	1
		2535	22.7	22.41	0	21.57	1
		2502.5	22.7	22.45	0	21.30	1
	1RB Low (0)	2567.5	22.7	22.41	0	21.50	1
		2535	22.7	22.52	0	21.69	1
		2502.5	22.7	22.45	0	20.48	1
	12RB High (13)	2567.5	22.7	21.34	1	20.37	2
		2535	22.7	21.49	1	20.47	2
		2502.5	22.7	21.37	1	20.40	2
	12RB Middle (6)	2567.5	22.7	21.36	1	20.35	2
		2535	22.7	21.47	1	20.44	2
		2502.5	22.7	21.27	1	20.42	2
	12RB Low (0)	2567.5	22.7	21.38	1	20.45	2
		2535	22.7	21.43	1	20.59	2
		2502.5	22.7	21.34	1	20.37	2
	25RB (0)	2567.5	22.7	21.31	1	20.43	2
		2535	22.7	21.45	1	20.51	2
		2502.5	22.7	21.05	1	20.45	2
10 MHz	1RB High (49)	2565	22.7	22.33	0	21.43	1
		2535	22.7	21.95	0	20.41	1
		2505	22.7	22.46	0	21.37	1
	1RB Middle (24)	2565	22.7	22.47	0	21.51	1
		2535	22.7	22.50	0	20.70	1
		2505	22.7	22.37	0	21.38	1
	1RB Low (0)	2565	22.7	22.55	0	21.58	1
		2535	22.7	22.60	0	21.36	1
		2505	22.7	22.41	0	21.41	1
	25RB High (25)	2565	22.7	21.41	1	20.30	2
		2535	22.7	21.51	1	20.50	2
		2505	22.7	21.39	1	20.35	2
	25RB Middle (12)	2565	22.7	21.42	1	20.39	2
		2535	22.7	21.46	1	20.45	2
		2505	22.7	21.26	1	20.28	2
	25RB Low (0)	2565	22.7	21.38	1	20.40	2
		2535	22.7	21.67	1	20.22	2
		2505	22.7	21.48	1	20.41	2
	50RB (0)	2565	22.7	21.36	1	20.38	2
		2535	22.7	21.48	1	20.50	2
		2505	22.7	21.38	1	20.41	2

15 MHz	1RB High (74)	2562.5	22.7	22.21	0	21.19	1
		2535	22.7	22.24	0	21.40	1
		2507.5	22.7	22.46	0	21.32	1
	1RB Middle (37)	2562.5	22.7	22.40	0	21.27	1
		2535	22.7	22.36	0	21.46	1
		2507.5	22.7	22.38	0	21.41	1
	1RB Low (0)	2562.5	22.7	22.51	0	21.30	1
		2535	22.7	22.48	0	21.63	1
		2507.5	22.7	22.44	0	21.47	1
	36RB High (38)	2562.5	22.7	21.40	1	20.34	2
		2535	22.7	21.51	1	20.47	2
		2507.5	22.7	21.38	1	20.34	2
	36RB Middle (19)	2562.5	22.7	21.42	1	20.38	2
		2535	22.7	21.46	1	20.34	2
		2507.5	22.7	21.33	1	20.28	2
	36RB Low (0)	2562.5	22.7	21.56	1	20.59	2
		2535	22.7	21.58	1	20.58	2
		2507.5	22.7	21.32	1	20.31	2
	75RB (0)	2562.5	22.7	21.44	1	20.48	2
		2535	22.7	21.45	1	20.50	2
		2507.5	22.7	21.39	1	20.42	2
20 MHz	1RB High (99)	2560	22.7	22.25	0	21.27	1
		2535	22.7	22.35	0	21.42	1
		2510	22.7	20.88	0	20.32	1
	1RB Middle (50)	2560	22.7	21.46	0	21.03	1
		2535	22.7	22.36	0	21.45	1
		2510	22.7	21.92	0	21.44	1
	1RB Low (0)	2560	22.7	22.43	0	21.40	1
		2535	22.7	22.52	0	21.62	1
		2510	22.7	22.45	0	21.09	1
	50RB High (50)	2560	22.7	21.45	1	20.36	2
		2535	22.7	21.48	1	20.47	2
		2510	22.7	20.51	1	19.78	2
	50RB Middle (25)	2560	22.7	21.51	1	20.44	2
		2535	22.7	20.28	1	20.46	2
		2510	22.7	21.10	1	19.72	2
	50RB Low (0)	2560	22.7	21.44	1	20.37	2
		2535	22.7	21.63	1	20.68	2
		2510	22.7	21.43	1	19.49	2
	100RB (0)	2560	22.7	21.53	1	20.53	2
		2535	22.7	21.44	1	20.40	2
		2510	22.7	21.38	1	20.43	2

Band 17							
Bandwidth (MHz)	RB allocation RB offset (Start RB)	Frequency (MHz)	Max. Target Power (dBm)	QPSK		16QAM	
				Actual output power (dBm)	MPR	Actual output power (dBm)	MPR
5 MHz	1RB High (24)	713.5	24	23.09	0	21.78	1
		710	24	23.00	0	22.01	1
		706.5	24	22.98	0	21.80	1
	1RB Middle (12)	713.5	24	23.05	0	21.78	1
		710	24	23.17	0	22.08	1
		706.5	24	23.02	0	21.77	1
	1RB Low (0)	713.5	24	23.07	0	21.76	1
		710	24	23.15	0	22.09	1
		706.5	24	23.04	0	21.82	1
	12RB High (13)	713.5	24	22.09	1	21.08	2
		710	24	22.16	1	21.18	2
		706.5	24	22.06	1	21.04	2
	12RB Middle (6)	713.5	24	22.03	1	21.04	2
		710	24	22.16	1	21.19	2
		706.5	24	22.01	1	21.05	2
	12RB Low (0)	713.5	24	22.02	1	21.06	2
		710	24	22.15	1	21.16	2
		706.5	24	21.96	1	21.09	2
	25RB (0)	713.5	24	22.11	1	21.16	2
		710	24	22.17	1	21.18	2
		706.5	24	22.14	1	21.15	2
10 MHz	1RB High (49)	711	24	23.10	0	22.19	1
		710	24	23.06	0	22.07	1
		709	24	22.95	0	22.02	1
	1RB Middle (24)	711	24	23.05	0	22.02	1
		710	24	23.04	0	21.99	1
		709	24	23.01	0	22.01	1
	1RB Low (0)	711	24	23.18	0	22.20	1
		710	24	23.11	0	22.08	1
		709	24	22.91	0	21.98	1
	25RB High (25)	711	24	22.10	1	21.09	2
		710	24	22.05	1	21.06	2
		709	24	21.98	1	21.01	2
	25RB Middle (12)	711	24	22.09	1	21.16	2
		710	24	22.05	1	21.11	2
		709	24	22.01	1	21.03	2

	25RB Low (0)	711	24	22.13	1	21.16	2
		710	24	22.12	1	21.14	2
		709	24	22.04	1	21.09	2
	50RB (0)	711	24	22.16	1	21.15	2
		710	24	22.10	1	21.12	2
		709	24	22.06	1	21.08	2

11.6 Wi-Fi and BT Measurement result

The output power of BT antenna is as following:

Mode	Conducted Power (dBm)		
	Channel 0 (2402MHz)	Channel 39 (2441MHz)	Channel 78 (2480MHz)
GFSK	7.52	9.28	6.40

The average conducted power for Wi-Fi is as following:

802.11b (dBm)

Channel\data rate	1Mbps	2Mbps	5.5Mbps	11Mbps
1	16.90	16.80	16.73	16.55
6	16.69	16.63	16.57	16.50
11	16.72	16.67	16.57	16.50

802.11g (dBm)

Channel\data rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
1	12.24	12.13	12.02	11.83	11.64	11.85	11.66	11.52
6	11.96	11.85	11.75	11.58	11.83	11.55	11.77	11.63
11	12.16	12.04	11.93	11.76	11.52	11.77	11.65	11.51

802.11n (dBm) - HT20 (2.4G)

Channel\data rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
1	12.47	12.29	12.18	12.03	11.89	11.71	11.62	11.53
6	12.10	11.93	11.82	11.65	11.55	11.85	11.78	11.70
11	12.18	12.00	11.91	11.73	11.68	11.52	11.83	11.75

802.11a (dBm)

Channel\data rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
36(5180 MHz)	11.81	11.74	11.68	11.57	11.43	11.22	11.03	10.94
40(5200 MHz)	12.03	11.94	11.86	11.75	11.60	11.39	11.18	11.11
44(5220 MHz)	11.98	11.92	11.86	11.74	11.58	11.40	11.18	11.12
48(5240 MHz)	11.54	11.45	11.39	11.26	11.13	10.90	10.72	10.65
52(5260 MHz)	11.55	11.48	11.41	11.30	11.15	10.95	10.74	10.67
56(5280 MHz)	12.15	12.07	12.01	11.88	11.75	11.52	11.33	11.26
60(5300 MHz)	11.78	11.71	11.65	11.53	11.37	11.17	10.97	10.88
64(5320 MHz)	12.50	12.43	12.38	12.25	12.11	11.93	11.72	11.64
100(5500 MHz)	11.50	11.41	11.34	11.28	11.08	10.88	10.68	10.61

104(5520 MHz)	11.61	11.52	11.45	11.39	11.17	10.98	10.72	10.74
108(5540 MHz)	12.05	11.98	11.93	11.81	11.64	11.48	11.27	11.20
112(5560 MHz)	12.21	12.14	12.08	11.95	11.81	11.61	11.41	11.34
116(5580 MHz)	12.03	11.97	11.91	11.79	11.65	11.46	11.25	11.18
120(5600 MHz)	12.49	12.41	12.35	12.23	12.08	11.88	11.68	11.60
124(5620 MHz)	12.48	12.40	12.34	12.22	12.08	11.88	11.68	11.62
128(5640 MHz)	12.10	12.03	11.97	11.84	11.68	11.49	11.30	11.23
132(5660 MHz)	12.50	12.43	12.36	12.23	12.10	11.89	11.71	11.63
136(5680 MHz)	12.49	12.42	12.35	12.23	12.09	11.90	11.68	11.62
140(5700 MHz)	11.42	11.35	11.30	11.19	11.05	10.85	10.65	10.58
149(5745 MHz)	11.48	11.38	11.33	11.23	11.08	10.88	10.67	10.60
153(5765 MHz)	11.38	11.33	11.26	11.15	11.00	10.81	10.60	10.53
157(5785 MHz)	11.44	11.36	11.31	11.19	11.04	10.86	10.66	10.59
161(5805 MHz	11.55	11.45	11.39	11.28	11.14	10.93	10.74	10.66
165(5825 MHz)	11.57	11.45	11.40	11.30	11.15	10.94	10.74	10.67

802.11n (dBm) - HT20 (5G)

Channel\data rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
36(5180 MHz)	11.87	11.75	11.62	11.49	11.28	11.11	11.02	10.99
40(5200 MHz)	12.00	11.88	11.77	11.62	11.43	11.26	11.18	10.66
44(5220 MHz)	12.00	11.87	11.75	11.61	11.42	11.24	11.17	10.65
48(5240 MHz)	11.55	11.40	11.29	11.14	10.95	10.78	10.69	10.68
52(5260 MHz)	11.57	11.43	11.31	11.17	10.99	10.80	10.72	10.71
56(5280 MHz)	12.15	12.00	11.88	11.75	11.56	11.37	11.32	10.79
60(5300 MHz)	11.80	11.67	11.55	11.42	11.23	11.04	10.97	10.50
64(5320 MHz)	12.49	12.41	12.29	12.15	11.96	11.79	11.72	10.69
100(5500 MHz)	11.62	11.48	11.37	11.22	11.03	10.82	10.75	10.68
104(5520 MHz)	11.63	11.48	11.38	11.22	11.02	10.83	10.76	10.71
108(5540 MHz)	12.08	11.95	11.83	11.69	11.51	11.33	11.25	10.69
112(5560 MHz)	12.25	12.10	11.98	11.84	11.66	11.48	11.41	10.84
116(5580 MHz)	12.09	11.94	11.84	11.70	11.51	11.42	11.28	10.76
120(5600 MHz)	12.50	12.37	12.24	12.11	11.91	11.75	11.67	10.65
124(5620 MHz)	12.50	12.31	12.25	12.12	11.91	11.75	11.67	10.65
128(5640 MHz)	12.11	11.97	11.85	11.70	11.53	11.36	11.28	10.69
132(5660 MHz)	12.49	12.35	12.26	12.12	11.92	11.75	11.68	10.71
136(5680 MHz)	12.50	12.34	12.27	12.12	11.91	11.75	11.68	10.76
140(5700 MHz)	11.46	11.34	11.23	11.08	10.90	10.73	10.66	10.56
149(5745 MHz)	11.50	11.36	11.25	11.11	10.92	10.76	10.70	10.51
153(5765 MHz)	11.42	11.29	11.17	11.03	10.84	10.68	10.61	10.50
157(5785 MHz)	11.46	11.34	11.25	11.08	10.91	10.73	10.67	10.50
161(5805 MHz	11.57	11.44	11.30	11.17	10.97	10.80	10.73	10.58
165(5825 MHz)	11.58	11.45	11.31	11.17	10.97	10.81	10.74	10.66

802.11n (dBm) - HT40 (5G)

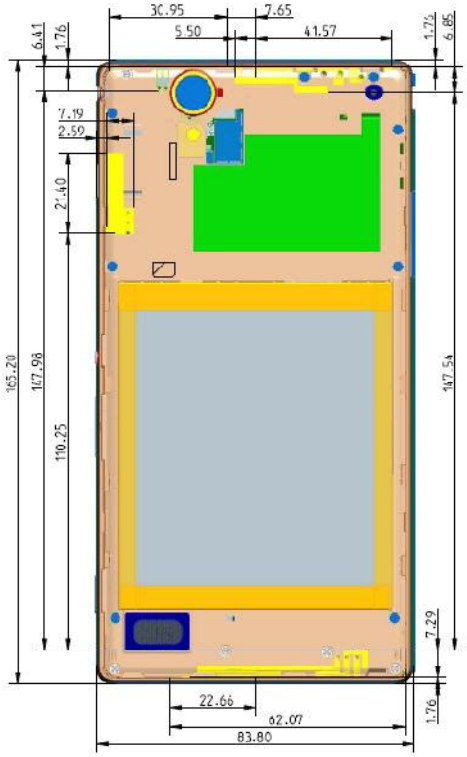
Channel\data rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
38(5190 MHz)	11.92	11.71	11.49	11.30	10.98	10.77	10.68	10.58
46(5230 MHz)	11.48	11.28	11.06	10.87	10.53	10.85	10.74	10.65
54(5270 MHz)	11.40	11.15	10.94	10.75	10.50	10.71	10.64	10.53
62(5310 MHz)	11.67	11.45	11.25	11.03	10.72	10.51	10.92	10.82
102(5510 MHz)	11.49	11.30	11.05	10.88	10.54	10.78	10.69	10.60
110(5550 MHz)	11.95	11.75	11.52	11.33	11.00	10.80	10.71	10.62
118(5590 MHz)	12.31	12.09	11.88	11.68	11.36	11.16	11.08	10.97
126(5630 MHz)	12.29	12.05	11.85	11.66	11.32	11.12	11.04	10.95
134(5670 MHz)	12.40	12.18	11.98	11.76	11.46	11.26	11.18	11.06
151(5755 MHz)	11.40	11.15	11.95	11.74	10.51	10.71	10.64	10.52
159(5795 MHz)	11.47	11.27	11.05	11.87	10.52	10.77	10.68	10.59

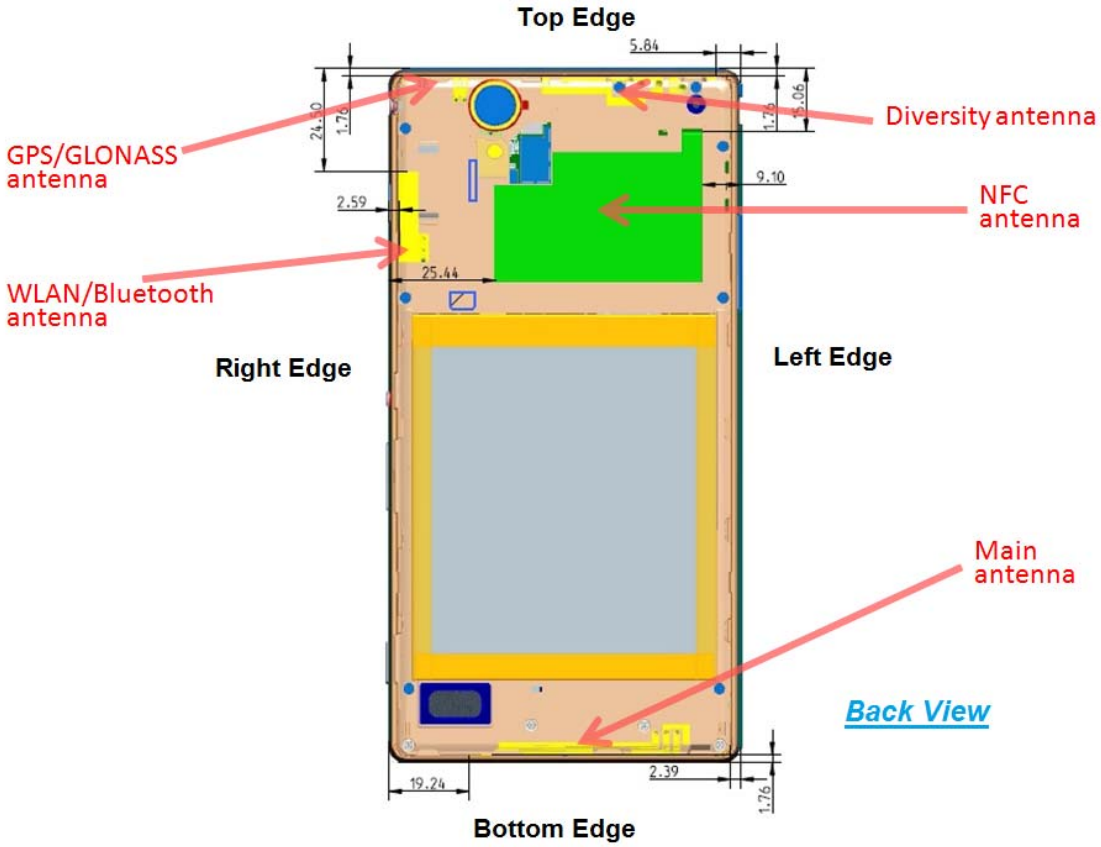
12 Simultaneous TX SAR Considerations

12.1 Introduction

The following procedures adopted from “FCC SAR Considerations for Cell Phones with Multiple Transmitters” are applicable to handsets with built-in unlicensed transmitters such as 802.11 a/b/g and Bluetooth devices which may simultaneously transmit with the licensed transmitter.
For this device, the BT and Wi-Fi can transmit simultaneous with other transmitters.
Especially, GSM/UMTS/LTE, WLAN-5G and BT can transmit simultaneous.

12.2 Transmit Antenna Separation Distances





Picture 12.1 Antenna Locations

12.3 SAR Measurement Positions

According to the KDB941225 D06 Hot Spot SAR v01, the edges with less than 2.5 cm distance to the antennas need to be tested for SAR.

SAR measurement positions						
Mode	Front	Rear	Left edge	Right edge	Top edge	Bottom edge
Main antenna	Yes	Yes	Yes	Yes	No	Yes
WLAN	Yes	Yes	No	Yes	Yes	No

12.4 Standalone SAR Test Exclusion Considerations

Standalone 1-g head or body SAR evaluation by measurement or numerical simulation is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied. The 1-g SAR test exclusion threshold for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR, where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

Table 12.1: Standalone SAR test exclusion considerations

Band/Mode	F(GHz)	Position	SAR test exclusion threshold (mW)	RF output power		SAR test exclusion
				dBm	mW	
Bluetooth	2.441	Head	9.60	9.28	8.47	Yes
		Body	19.20	9.28	8.47	Yes
2.4GHz WLAN 802.11 b	2.45	Head	9.58	16.90	48.98	No
		Body	19.17	16.90	48.98	No
WLAN 5GHz	5.2	Head	6.58	12.03	15.96	No
		Body	13.16	12.03	15.96	No
	5.3	Head	6.52	12.50	17.78	No
		Body	13.03	12.50	17.78	No
	5.6	Head	6.34	12.50	17.78	No
		Body	12.68	12.50	17.78	No
	5.8	Head	6.23	11.58	14.39	No
		Body	12.46	11.58	14.39	No

13 Evaluation of Simultaneous

Table 13.1: The sum of reported SAR values for main antenna and WiFi-2.4G

	Position	GSM/UMTS	WiFi-2.4G	Sum
Maximum reported SAR value for Head	Left hand, Touch cheek	0.39	0.45	**0.84**
	Right hand, Touch cheek	0.46	0.24	**0.70**
Maximum reported SAR value for Body	Rear	0.70	0.20	**0.90**
	Right Edge	0.41	0.24	**0.65**

Table 13.2: The sum of reported SAR values for main antenna, WiFi-5G and BT

	Position	GSM/UMTS	WiFi-5G	BT	Sum
Maximum reported SAR value for Head	Left hand, Touch cheek	0.39	0.09	0.37[1]	**0.85**
	Right hand, Touch cheek	0.46	0.04	0.37[1]	**0.87**
Maximum reported SAR value for Body	Rear	0.70	0.17	0.19[1]	**1.06**
	Right Edge	0.41	0.12	0.19[1]	**0.72**

[1] - Estimated SAR for Bluetooth (see the table 13.3)

Table 13.3: Estimated SAR for Bluetooth

Mode/Band	F (GHz)	Position	Distance (mm)	Upper limit of power *		Estimated$_{1g}$ (W/kg)
				dBm	mW	
Bluetooth	2.441	Head	5	9.5	8.91	0.37
Bluetooth	2.441	Body	10	9.5	8.91	0.19
Bluetooth	2.441	Body	15	9.5	8.91	0.12

* - Maximum possible output power declared by manufacturer

When standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:
(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f(GHz)/x] W/kg for test separation distances ≤ 50 mm;
where x = 7.5 for 1-g SAR.
When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

Conclusion:
According to the above tables, the sum of reported SAR values is < 1.6W/kg. So the simultaneous transmission SAR with volume scans is not required.

14 SAR Test Result

It is determined by user manual for the distance between the EUT and the phantom bottom. The distance is 10mm for AP ON and 15mm for AP OFF/speech/WLAN-5G and just applied to the condition of body worn accessory.

It is performed for all SAR measurements with area scan based 1-g SAR estimation (Fast SAR). A zoom scan measurement is added when the estimated 1-g SAR is the highest measured SAR in each exposure configuration, wireless mode and frequency band combination or more than 1.2W/kg.

The calculated SAR is obtained by the following formula:

$$\text{Reported SAR} = \text{Measured SAR} \times 10^{(P_{Target}-P_{Measured})/10}$$

Where P_{Target} is the power of manufacturing upper limit;

$P_{Measured}$ is the measured power in chapter 11.

Table 14.1: Duty Cycle

Mode	Duty Cycle
Speech for GSM850/1900	1:8.3
GPRS&EGPRS for GSM850/1900	1:2.67
WCDMA&LTE&WiFi	1:1

14.1 SAR results for Fast SAR

Table 14.2: SAR Values (GSM 850 MHz Band - Head) – AP OFF

Ambient Temperature: 22.3 °C					Liquid Temperature: 21.8 °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)
MHz	Ch.										
848.8	251	Left	Touch	/	32.40	33.3	0.181	**0.22**	0.233	**0.29**	0.18
836.6	190	Left	Touch	/	32.40	33.3	0.155	**0.19**	0.221	**0.27**	0.10
824.2	128	Left	Touch	/	32.40	33.3	0.155	**0.19**	0.222	**0.27**	0.16
836.6	190	Left	Tilt	/	32.40	33.3	0.107	**0.13**	0.154	**0.19**	0.19
848.8	251	Right	Touch	/	32.40	33.3	0.210	**0.26**	0.309	**0.38**	-0.05
836.6	190	Right	Touch	Fig.1	32.40	33.3	0.239	**0.29**	0.316	**0.39**	-0.16
824.2	128	Right	Touch	/	32.40	33.3	0.202	**0.25**	0.296	**0.36**	-0.06
836.6	190	Right	Tilt	/	32.40	33.3	0.109	**0.13**	0.156	**0.19**	-0.11

Table 14.3: SAR Values (GSM 850 MHz Band - Body) – AP OFF

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °C											
Frequency		Mode (number of timeslots)	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
836.6	190	GPRS (3)	Front	/	28.00	28.8	0.297	**0.36**	0.442	**0.53**	0.09
848.8	251	GPRS (3)	Rear	/	27.90	28.8	0.342	**0.42**	0.543	**0.67**	0.00
836.6	190	GPRS (3)	Rear	Fig.2	28.00	28.8	0.337	**0.41**	0.582	**0.70**	-0.06
824.2	128	GPRS (3)	Rear	/	28.10	28.8	0.343	**0.40**	0.541	**0.64**	-0.02
836.6	190	GPRS (3)	Left	/	28.00	28.8	0.100	**0.12**	0.149	**0.18**	-0.05
836.6	190	GPRS (3)	Right	/	28.00	28.8	0.233	**0.28**	0.345	**0.41**	0.00
836.6	190	GPRS (3)	Bottom	/	28.00	28.8	0.106	**0.13**	0.188	**0.23**	-0.07
836.6	190	EGPRS (3)	Rear	/	28.00	28.8	0.330	**0.40**	0.545	**0.66**	-0.08
836.6	190	Speech	Rear MH410c	/	32.40	33.3	0.166	**0.20**	0.245	**0.30**	0.10

Note1: The distance between the EUT and the phantom bottom is 10mm for data and 15mm for speech.

Table 14.4: SAR Values (GSM 1900 MHz Band - Head) – AP OFF

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.										
1909.8	810	Left	Touch	Fig.3	29.70	31.0	0.122	**0.16**	0.198	**0.27**	0.19
1880	661	Left	Touch	/	29.70	31.0	0.104	**0.14**	0.166	**0.22**	0.03
1850.2	512	Left	Touch	/	29.70	31.0	0.089	**0.12**	0.151	**0.20**	0.18
1880	661	Left	Tilt	/	29.70	31.0	0.039	**0.05**	0.069	**0.09**	-0.10
1909.8	810	Right	Touch	/	29.70	31.0	0.064	**0.09**	0.106	**0.14**	0.11
1880	661	Right	Touch	/	29.70	31.0	0.048	**0.06**	0.079	**0.11**	0.08
1850.2	512	Right	Touch	/	29.70	31.0	0.041	**0.06**	0.069	**0.09**	0.17
1880	661	Right	Tilt	/	29.70	31.0	0.051	**0.07**	0.078	**0.11**	0.14

Table 14.5: SAR Values (GSM 1900 MHz Band - Body) – AP OFF

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °C											
Frequency		Mode (number of timeslots)	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1909.8	810	GPRS (3)	Front	Fig.4	25.50	26.5	0.255	**0.32**	0.441	**0.56**	0.01
1880	661	GPRS (3)	Front	/	25.50	26.5	0.212	**0.27**	0.365	**0.46**	-0.02
1850.2	512	GPRS (3)	Front	/	25.40	26.5	0.194	**0.25**	0.348	**0.45**	0.06
1880	661	GPRS (3)	Rear	/	25.50	26.5	0.158	**0.20**	0.281	**0.35**	0.05
1880	661	GPRS (3)	Left	/	25.50	26.5	0.092	**0.12**	0.160	**0.20**	0.15
1880	661	GPRS (3)	Right	/	25.50	26.5	0.024	**0.03**	0.042	**0.05**	0.16
1880	661	GPRS (3)	Bottom	/	25.50	26.5	0.150	**0.19**	0.285	**0.36**	-0.05
1909.8	810	EGPRS (3)	Front	/	25.40	26.5	0.248	**0.32**	0.428	**0.55**	0.09
1909.8	810	Speech	Front MH410c	/	29.70	31.0	0.238	**0.32**	0.407	**0.55**	0.00

Note1: The distance between the EUT and the phantom bottom is 10mm for data and 15mm for speech.

Table 14.6: SAR Values (WCDMA 850 MHz Band - Head) – AP OFF

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.										
846.6	4233	Left	Touch	/	25.00	25.0	0.256	**0.26**	0.330	**0.33**	0.07
836.4	4182	Left	Touch	/	24.67	25.0	0.211	**0.23**	0.305	**0.33**	-0.10
826.4	4132	Left	Touch	/	24.64	25.0	0.201	**0.22**	0.290	**0.32**	0.11
836.4	4182	Left	Tilt	/	24.67	25.0	0.147	**0.16**	0.210	**0.23**	0.07
846.6	4233	Right	Touch	Fig.5	25.00	25.0	0.342	**0.34**	0.459	**0.46**	0.03
836.4	4182	Right	Touch	/	24.67	25.0	0.286	**0.31**	0.420	**0.45**	0.09
826.4	4132	Right	Touch	/	24.64	25.0	0.271	**0.29**	0.398	**0.43**	0.13
836.4	4182	Right	Tilt	/	24.67	25.0	0.158	**0.17**	0.227	**0.24**	-0.11

Table 14.7: SAR Values (WCDMA 850 MHz Band - Body) – AP OFF

Ambient Temperature: 22.3 °C				Liquid Temperature: 21.8 °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)
MHz	Ch.									
836.4	4182	Front	/	24.67	25.0	0.313	**0.34**	0.466	**0.50**	-0.17
846.6	4233	Rear	Fig.6	25.00	25.0	0.364	**0.36**	0.600	**0.60**	-0.07
836.4	4182	Rear	/	24.67	25.0	0.343	**0.37**	0.538	**0.58**	0.10
826.4	4132	Rear	/	24.64	25.0	0.333	**0.36**	0.502	**0.55**	-0.01
836.4	4182	Left	/	24.67	25.0	0.091	**0.10**	0.135	**0.15**	-0.12
836.4	4182	Right	/	24.67	25.0	0.228	**0.25**	0.337	**0.36**	-0.07
836.4	4182	Bottom	/	24.67	25.0	0.133	**0.14**	0.236	**0.25**	-0.10
846.6	4233	Rear MH410c	/	25.00	25.0	0.271	**0.27**	0.382	**0.38**	-0.07

Note1: The distance between the EUT and the phantom bottom is 10mm for data and 15mm for speech.

Table 14.8: SAR Values (WCDMA 1700 MHz Band - Head) – APP OFF

Ambient Temperature: 22.3 °C					Liquid Temperature: 21.8 °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)
MHz	Ch.										
1752.6	1513	Left	Touch	/	23.67	24.0	0.184	**0.20**	0.317	**0.34**	-0.02
1732.4	1412	Left	Touch	/	23.76	24.0	0.198	**0.21**	0.339	**0.36**	0.10
1712.4	1312	Left	Touch	Fig.7	23.70	24.0	0.238	**0.26**	0.365	**0.39**	0.15
1732.4	1412	Left	Tilt	/	23.76	24.0	0.067	**0.07**	0.122	**0.13**	-0.10
1752.6	1513	Right	Touch	/	23.67	24.0	0.086	**0.09**	0.138	**0.15**	0.10
1732.4	1412	Right	Touch	/	23.76	24.0	0.113	**0.12**	0.186	**0.20**	0.16
1712.4	1312	Right	Touch	/	23.70	24.0	0.137	**0.15**	0.206	**0.22**	0.11
1732.4	1412	Right	Tilt	/	23.76	24.0	0.063	**0.07**	0.108	**0.11**	-0.10

Table 14.9: SAR Values (WCDMA 1700 MHz Band - Body) – AP OFF

Ambient Temperature: 22.3 °C				Liquid Temperature: 21.8 °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)
MHz	Ch.									
1752.6	1513	Front	/	23.67	24.0	0.202	**0.22**	0.329	**0.35**	0.03
1732.4	1412	Front	/	23.76	24.0	0.226	**0.24**	0.371	**0.39**	-0.11
1712.4	1312	Front	Fig.8	23.70	24.0	0.237	**0.25**	0.374	**0.40**	0.09
1732.4	1412	Rear	/	23.76	24.0	0.170	**0.18**	0.276	**0.29**	-0.04
1732.4	1412	Left	/	23.76	24.0	0.153	**0.16**	0.249	**0.26**	0.00
1732.4	1412	Right	/	23.76	24.0	0.041	**0.04**	0.066	**0.07**	-0.18
1732.4	1412	Bottom	/	23.76	24.0	0.158	**0.17**	0.266	**0.28**	-0.03
1712.4	1312	Rear MH410c	/	23.70	24.0	0.231	**0.25**	0.365	**0.39**	0.05

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

Table 14.10: SAR Values (WCDMA 1700 MHz Band - Body) – AP ON

Ambient Temperature: 22.3 °C		Liquid Temperature: 21.8 °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)
MHz	Ch.									
1752.6	1513	Front	/	21.40	22.0	0.220	**0.25**	0.360	**0.41**	0.07
1732.4	1412	Front	/	21.50	22.0	0.254	**0.28**	0.414	**0.46**	-0.01
1712.4	1312	Front	Fig.9	21.56	22.0	0.274	**0.30**	0.463	**0.51**	-0.03
1732.4	1412	Rear	/	21.50	22.0	0.218	**0.24**	0.372	**0.42**	0.08
1732.4	1412	Left	/	21.50	22.0	0.142	**0.16**	0.238	**0.27**	0.04
1732.4	1412	Right	/	21.50	22.0	0.033	**0.04**	0.054	**0.06**	0.09
1732.4	1412	Bottom	/	21.50	22.0	0.168	**0.19**	0.306	**0.34**	-0.09

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

Table 14.11: SAR Values (WCDMA 1900 MHz Band - Head) – AP OFF

Ambient Temperature: 22.3 °C		Liquid Temperature: 21.8 °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)
MHz	Ch.										
1907.6	9538	Left	Touch	/	22.27	22.3	0.161	**0.16**	0.274	**0.28**	0.14
1880	9400	Left	Touch	Fig.10	22.27	22.3	0.205	**0.21**	0.330	**0.33**	0.04
1852.4	9262	Left	Touch	/	21.97	22.3	0.128	**0.14**	0.221	**0.24**	0.19
1880	9400	Left	Tilt	/	22.27	22.3	0.070	**0.07**	0.127	**0.13**	-0.19
1907.6	9538	Right	Touch	/	22.27	22.3	0.108	**0.11**	0.171	**0.17**	0.17
1880	9400	Right	Touch	/	22.27	22.3	0.085	**0.09**	0.142	**0.14**	0.15
1852.4	9262	Right	Touch	/	21.97	22.3	0.065	**0.07**	0.108	**0.12**	0.16
1880	9400	Right	Tilt	/	22.27	22.3	0.084	**0.08**	0.141	**0.14**	0.15

Table 14.12: SAR Values (WCDMA 1900 MHz Band - Body) – AP OFF

Ambient Temperature: 22.3 °C		Liquid Temperature: 21.8 °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)
MHz	Ch.									
1907.6	9538	Front	Fig.11	22.27	22.3	0.210	**0.21**	0.348	**0.35**	-0.08
1880	9400	Front	/	22.27	22.3	0.194	**0.20**	0.319	**0.32**	0.10
1852.4	9262	Front	/	21.97	22.3	0.127	**0.14**	0.212	**0.23**	0.09
1880	9400	Rear	/	22.27	22.3	0.113	**0.11**	0.192	**0.19**	0.14
1880	9400	Left	/	22.27	22.3	0.088	**0.09**	0.146	**0.15**	-0.10
1880	9400	Right	/	22.27	22.3	0.039	**0.04**	0.065	**0.07**	0.14
1880	9400	Bottom	/	22.27	22.3	0.125	**0.13**	0.216	**0.22**	-0.03
1907.6	9538	Front MH410c	/	22.27	22.3	0.204	**0.21**	0.337	**0.34**	0.09

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

Table 14.13: SAR Values (WCDMA 1900 MHz Band - Body) – AP ON

Ambient Temperature: 22.3 °C		Liquid Temperature: 21.8 °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)
MHz	Ch.									
1907.6	9538	Front	Fig.12	19.15	19.5	0.162	**0.18**	0.279	**0.30**	-0.06
1880	9400	Front	/	19.14	19.5	0.147	**0.16**	0.259	**0.28**	-0.11
1852.4	9262	Front	/	18.90	19.5	0.131	**0.15**	0.231	**0.27**	0.11
1880	9400	Rear	/	19.14	19.5	0.113	**0.12**	0.211	**0.23**	0.06
1880	9400	Left	/	19.14	19.5	0.058	**0.06**	0.099	**0.11**	0.06
1880	9400	Right	/	19.14	19.5	0.019	**0.02**	0.033	**0.04**	0.15
1880	9400	Bottom	/	19.14	19.5	0.115	**0.12**	0.225	**0.24**	0.00

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

Table 14.14: SAR Values (LTE Band2 - Head) – AP OFF

Ambient Temperature: 22.3 °C						Liquid Temperature: 21.8 °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)
MHz	Ch.											
1880	18900	1RB_Mid	Left	Touch	Fig.13	22.29	22.3	0.213	**0.21**	0.328	**0.33**	0.13
1880	18900	1RB_Mid	Left	Tilt	/	22.29	22.3	0.066	**0.07**	0.119	**0.12**	0.11
1880	18900	1RB_Mid	Right	Touch	/	22.29	22.3	0.111	**0.11**	0.176	**0.18**	0.11
1880	18900	1RB_Mid	Right	Tilt	/	22.29	22.3	0.084	**0.08**	0.153	**0.15**	-0.15
1860	18700	50RB_Low	Left	Touch	/	21.30	21.3	0.113	**0.11**	0.197	**0.20**	0.15
1860	18700	50RB_Low	Left	Tilt	/	21.30	21.3	0.043	**0.04**	0.077	**0.08**	0.17
1860	18700	50RB_Low	Right	Touch	/	21.30	21.3	0.056	**0.06**	0.095	**0.09**	0.03
1860	18700	50RB_Low	Right	Tilt	/	21.30	21.3	0.048	**0.05**	0.089	**0.09**	0.11

Note1: The LTE mode is QPSK_20MHz.

Table 14.15: SAR Values (LTE Band2 - Body) – AP OFF

Ambient Temperature: 22.3 °C		Liquid Temperature: 21.8 °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)
MHz	Ch.										
1880	18900	1RB_Mid	Front	Fig.14	22.29	22.3	0.181	**0.18**	0.297	**0.30**	0.18
1880	18900	1RB_Mid	Rear	/	22.29	22.3	0.113	**0.11**	0.191	**0.19**	-0.06
1880	18900	1RB_Mid	Left	/	22.29	22.3	0.098	**0.10**	0.162	**0.16**	0.02
1880	18900	1RB_Mid	Right	/	22.29	22.3	0.039	**0.04**	0.065	**0.06**	0.15
1880	18900	1RB_Mid	Bottom	/	22.29	22.3	0.112	**0.11**	0.201	**0.20**	0.08
1860	18700	50RB_Low	Front	/	21.30	21.3	0.112	**0.11**	0.192	**0.19**	0.16
1860	18700	50RB_Low	Rear	/	21.30	21.3	0.076	**0.08**	0.127	**0.13**	0.01

1860	18700	50RB_Low	Left	/	21.30	21.3	0.064	**0.06**	0.106	**0.11**	0.17
1860	18700	50RB_Low	Right	/	21.30	21.3	0.021	**0.02**	0.034	**0.03**	0.16
1860	18700	50RB_Low	Bottom	/	21.30	21.3	0.081	**0.08**	0.144	**0.14**	0.00

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.16: SAR Values (LTE Band2 - Body) – AP ON

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.										
1900	19100	1RB_Low	Front	Fig.15	19.11	19.5	0.158	**0.17**	0.278	**0.30**	0.01
1900	19100	1RB_Low	Rear	/	19.11	19.5	0.144	**0.16**	0.259	**0.28**	0.03
1900	19100	1RB_Low	Left	/	19.11	19.5	0.077	**0.08**	0.134	**0.15**	0.04
1900	19100	1RB_Low	Right	/	19.11	19.5	0.028	**0.03**	0.048	**0.05**	0.16
1900	19100	1RB_Low	Bottom	/	19.11	19.5	0.110	**0.12**	0.202	**0.22**	0.11
1880	18900	50RB_Mid	Front	/	19.03	19.5	0.146	**0.16**	0.256	**0.29**	0.03
1880	18900	50RB_Mid	Rear	/	19.03	19.5	0.126	**0.14**	0.202	**0.23**	0.09
1880	18900	50RB_Mid	Left	/	19.03	19.5	0.073	**0.08**	0.126	**0.14**	0.07
1880	18900	50RB_Mid	Right	/	19.03	19.5	0.026	**0.03**	0.044	**0.05**	0.11
1880	18900	50RB_Mid	Bottom	/	19.03	19.5	0.104	**0.12**	0.193	**0.22**	0.11

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.17: SAR Values (LTE Band4 - Head) – AP OFF

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.											
1745	20300	1RB_Mid	Left	Touch	Fig.16	22.98	24.0	0.160	**0.20**	0.244	**0.31**	-0.13
1745	20300	1RB_Mid	Left	Tilt	/	22.98	24.0	0.049	**0.06**	0.083	**0.11**	0.19
1745	20300	1RB_Mid	Right	Touch	/	22.98	24.0	0.093	**0.12**	0.143	**0.18**	0.01
1745	20300	1RB_Mid	Right	Tilt	/	22.98	24.0	0.064	**0.08**	0.109	**0.14**	0.15
1745	20300	50RB_Mid	Left	Touch	/	22.04	23.0	0.104	**0.13**	0.179	**0.22**	-0.12
1745	20300	50RB_Mid	Left	Tilt	/	22.04	23.0	0.036	**0.04**	0.060	**0.07**	0.03
1745	20300	50RB_Mid	Right	Touch	/	22.04	23.0	0.057	**0.07**	0.099	**0.12**	0.14
1745	20300	50RB_Mid	Right	Tilt	/	22.04	23.0	0.048	**0.06**	0.083	**0.10**	0.11

Note1: The LTE mode is QPSK_20MHz.

Table 14.18: SAR Values (LTE Band4 - Body) – AP OFF

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.										
1745	20300	1RB_Mid	Front	Fig.17	22.98	24.0	0.202	**0.26**	0.331	**0.42**	0.11
1745	20300	1RB_Mid	Rear	/	22.98	24.0	0.151	**0.19**	0.244	**0.31**	0.05
1745	20300	1RB_Mid	Left	/	22.98	24.0	0.132	**0.17**	0.217	**0.27**	0.04
1745	20300	1RB_Mid	Right	/	22.98	24.0	0.030	**0.04**	0.048	**0.06**	0.04
1745	20300	1RB_Mid	Bottom	/	22.98	24.0	0.135	**0.17**	0.244	**0.31**	-0.08
1745	20300	50RB_Mid	Front	/	22.04	23.0	0.161	**0.20**	0.263	**0.33**	0.16
1745	20300	50RB_Mid	Rear	/	22.04	23.0	0.122	**0.15**	0.198	**0.25**	0.09
1745	20300	50RB_Mid	Left	/	22.04	23.0	0.108	**0.13**	0.176	**0.22**	0.14
1745	20300	50RB_Mid	Right	/	22.04	23.0	0.024	**0.03**	0.038	**0.05**	0.12
1745	20300	50RB_Mid	Bottom	/	22.04	23.0	0.112	**0.14**	0.200	**0.25**	-0.02

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.19: SAR Values (LTE Band4 - Body) – AP ON

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.										
1745	20300	1RB_Mid	Front	/	21.39	22.0	0.243	**0.28**	0.411	**0.47**	0.11
1745	20300	1RB_Mid	Rear	/	21.39	22.0	0.141	**0.16**	0.237	**0.27**	0.05
1745	20300	1RB_Mid	Left	/	21.39	22.0	0.147	**0.17**	0.251	**0.29**	0.06
1745	20300	1RB_Mid	Right	/	21.39	22.0	0.033	**0.04**	0.057	**0.07**	-0.07
1745	20300	1RB_Mid	Bottom	/	21.39	22.0	0.126	**0.15**	0.223	**0.26**	-0.03
1745	20300	50RB_Mid	Front	Fig.18	21.39	22.0	0.245	**0.28**	0.416	**0.48**	0.16
1745	20300	50RB_Mid	Rear	/	21.39	22.0	0.145	**0.17**	0.244	**0.28**	-0.14
1745	20300	50RB_Mid	Left	/	21.39	22.0	0.148	**0.17**	0.254	**0.29**	0.10
1745	20300	50RB_Mid	Right	/	21.39	22.0	0.031	**0.04**	0.053	**0.06**	0.12
1745	20300	50RB_Mid	Bottom	/	21.39	22.0	0.128	**0.15**	0.228	**0.26**	-0.01

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.20: SAR Values (LTE Band7 - Head) – AP OFF

Ambient Temperature: 22.2 °C												
Liquid Temperature: 21.7 °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)
MHz	Ch.											
2535	21100	1RB_Low	Left	Touch	Fig.19	22.52	22.7	0.011	**0.01**	0.030	**0.03**	-0.13
2535	21100	1RB_Low	Left	Tilt	/	22.52	22.7	0.004	**0.00**	0.011	**0.01**	0.15
2535	21100	1RB_Low	Right	Touch	/	22.52	22.7	0.011	**0.01**	0.030	**0.03**	0.10
2535	21100	1RB_Low	Right	Tilt	/	22.52	22.7	0.004	**0.00**	0.014	**0.01**	0.15
2535	21100	50RB_Low	Left	Touch	/	21.63	21.7	0.051	**0.05**	0.016	**0.02**	0.10
2535	21100	50RB_Low	Left	Tilt	/	21.63	21.7	0.004	**0.00**	0.009	**0.01**	0.17
2535	21100	50RB_Low	Right	Touch	/	21.63	21.7	0.003	**0.00**	0.025	**0.03**	0.19
2535	21100	50RB_Low	Right	Tilt	/	21.63	21.7	0.000	**0.00**	0.001	**0.00**	0.16

Note1: The LTE mode is QPSK_20MHz.

Table 14.21: SAR Values (LTE Band7 - Body) – AP OFF

Ambient Temperature: 22.2 °C												
Liquid Temperature: 21.7 °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)	
MHz	Ch.											
2535	21100	1RB_Low	Front	/	22.52	22.7	0.144	**0.15**	0.291	**0.30**	0.10	
2535	21100	1RB_Low	Rear	/	22.52	22.7	0.190	**0.20**	0.396	**0.41**	0.14	
2535	21100	1RB_Low	Left	/	22.52	22.7	0.025	**0.03**	0.047	**0.05**	0.16	
2535	21100	1RB_Low	Right	/	22.52	22.7	0.018	**0.02**	0.022	**0.02**	0.16	
2535	21100	1RB_Low	Bottom	Fig.20	22.52	22.7	0.267	**0.28**	0.516	**0.54**	-0.02	
2535	21100	50RB_Low	Front	/	21.63	21.7	0.108	**0.11**	0.219	**0.22**	0.10	
2535	21100	50RB_Low	Rear	/	21.63	21.7	0.146	**0.15**	0.305	**0.31**	0.10	
2535	21100	50RB_Low	Left	/	21.63	21.7	0.018	**0.02**	0.034	**0.03**	0.19	
2535	21100	50RB_Low	Right	/	21.63	21.7	0.011	**0.01**	0.020	**0.02**	0.10	
2535	21100	50RB_Low	Bottom	/	21.63	21.7	0.184	**0.19**	0.370	**0.38**	0.02	

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.22: SAR Values (LTE Band7 - Body) – AP ON

Ambient Temperature: 22.2 °C Liquid Temperature: 21.7 °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)
MHz	Ch.										
2510	20850	1RB_Low	Front	/	18.86	19.0	0.109	**0.11**	0.235	**0.24**	0.00
2510	20850	1RB_Low	Rear	/	18.86	19.0	0.186	**0.19**	0.420	**0.43**	0.00
2510	20850	1RB_Low	Left	/	18.86	19.0	0.017	**0.02**	0.032	**0.03**	0.19
2510	20850	1RB_Low	Right	/	18.86	19.0	0.006	**0.01**	0.012	**0.01**	0.19
2510	20850	1RB_Low	Bottom	Fig.21	18.86	19.0	0.227	**0.23**	0.499	**0.52**	-0.02
2535	21100	50RB_Low	Front	/	18.72	19.0	0.109	**0.12**	0.235	**0.25**	0.00
2535	21100	50RB_Low	Rear	/	18.72	19.0	0.155	**0.17**	0.350	**0.37**	0.00
2535	21100	50RB_Low	Left	/	18.72	19.0	0.017	**0.02**	0.032	**0.03**	0.10
2535	21100	50RB_Low	Right	/	18.72	19.0	0.007	**0.01**	0.014	**0.02**	0.13
2535	21100	50RB_Low	Bottom	/	18.72	19.0	0.179	**0.19**	0.395	**0.42**	0.07

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.23: SAR Values (LTE Band17 - Head) – AP OFF

Ambient Temperature: 22.2 °C Liquid Temperature: 21.7 °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)
MHz	Ch.											
711	23800	1RB_Low	Left	Touch	Fig.22	23.18	24.0	0.148	**0.18**	0.179	**0.22**	0.10
711	23800	1RB_Low	Left	Tilt	/	23.18	24.0	0.064	**0.08**	0.091	**0.11**	-0.18
711	23800	1RB_Low	Right	Touch	/	23.18	24.0	0.147	**0.18**	0.179	**0.22**	0.04
711	23800	1RB_Low	Right	Tilt	/	23.18	24.0	0.102	**0.12**	0.144	**0.17**	0.16
711	23800	25RB_Low	Left	Touch	/	22.13	23.0	0.099	**0.12**	0.141	**0.17**	0.10
711	23800	25RB_Low	Left	Tilt	/	22.13	23.0	0.050	**0.06**	0.071	**0.09**	0.16
711	23800	25RB_Low	Right	Touch	/	22.13	23.0	0.061	**0.07**	0.087	**0.11**	0.18
711	23800	25RB_Low	Right	Tilt	/	22.13	23.0	0.050	**0.06**	0.071	**0.09**	0.13

Note1: The LTE mode is QPSK_10MHz.

Table 14.24: SAR Values (LTE Band17 - Body) – AP OFF

Ambient Temperature: 22.2 °C Liquid Temperature: 21.7 °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)
MHz	Ch.										
711	23800	1RB_Low	Front	/	23.18	24.0	0.201	**0.24**	0.284	**0.34**	-0.01
711	23800	1RB_Low	Rear	Fig.23	23.18	24.0	0.273	**0.33**	0.340	**0.41**	0.05
711	23800	1RB_Low	Left	/	23.18	24.0	0.112	**0.14**	0.162	**0.20**	-0.01
711	23800	1RB_Low	Right	/	23.18	24.0	0.141	**0.17**	0.204	**0.25**	-0.07
711	23800	1RB_Low	Bottom	/	23.18	24.0	0.037	**0.04**	0.062	**0.07**	-0.15
711	23800	25RB_Low	Front	/	22.13	23.0	0.165	**0.20**	0.232	**0.28**	0.00
711	23800	25RB_Low	Rear	/	22.13	23.0	0.197	**0.24**	0.277	**0.34**	-0.02
711	23800	25RB_Low	Left	/	22.13	23.0	0.091	**0.11**	0.131	**0.16**	-0.04
711	23800	25RB_Low	Right	/	22.13	23.0	0.114	**0.14**	0.165	**0.20**	-0.03
711	23800	25RB_Low	Bottom	/	22.13	23.0	0.030	**0.04**	0.051	**0.06**	-0.06

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

Note2: The LTE mode is QPSK_10MHz.

Table 14.25: SAR Values (Wi-Fi 802.11b - Head) – AP OFF

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.										
2462	11	Left	Touch	/	16.72	18.5	0.130	**0.20**	0.261	**0.39**	0.18
2437	6	Left	Touch	Fig.24	16.69	18.5	0.137	**0.21**	0.299	**0.45**	0.12
2412	1	Left	Touch	/	16.90	18.5	0.129	**0.19**	0.256	**0.37**	0.17
2437	6	Left	Tilt	/	16.69	18.5	0.036	**0.05**	0.075	**0.11**	0.16
2437	6	Right	Touch	/	16.69	18.5	0.078	**0.12**	0.160	**0.24**	0.12
2437	6	Right	Tilt	/	16.69	18.5	0.028	**0.04**	0.055	**0.08**	0.17

Table 14.26: SAR Values (Wi-Fi 802.11b - Body) – AP OFF

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.									
2437	6	Front	/	16.69	18.5	0.010	**0.02**	0.019	**0.03**	0.17
2437	6	Rear	/	16.69	18.5	0.067	**0.10**	0.134	**0.20**	0.01
2462	11	Right	/	16.72	18.5	0.033	**0.05**	0.072	**0.11**	0.12
2437	6	Right	Fig.25	16.69	18.5	0.076	**0.11**	0.158	**0.24**	0.01
2412	1	Right	/	16.90	18.5	0.033	**0.05**	0.070	**0.10**	0.18
2437	6	Top	/	16.69	18.5	0.012	**0.02**	0.022	**0.03**	0.14

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

Table 14.27: SAR Values (Wi-Fi 802.11a - 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)
MHz	Ch.										
5200	40	Left	Touch	/	12.03	12.5	0.015	**0.02**	0.053	**0.06**	0.10
5200	40	Left	Tilt	/	12.03	12.5	0.002	**0.00**	0.008	**0.01**	0.00
5200	40	Right	Touch	/	12.03	12.5	0.006	**0.01**	0.021	**0.02**	0.00
5200	40	Right	Tilt	/	12.03	12.5	0.001	**0.00**	0.003	**0.00**	0.00
5320	64	Left	Touch	/	12.50	12.5	0.019	**0.02**	0.066	**0.07**	-0.13
5320	64	Left	Tilt	/	12.50	12.5	0.001	**0.00**	0.006	**0.01**	0.00
5320	64	Right	Touch	/	12.50	12.5	0.007	**0.01**	0.027	**0.03**	0.00
5320	64	Right	Tilt	/	12.50	12.5	0.001	**0.00**	0.004	**0.00**	0.00
5660	132	Left	Touch	Fig.26	12.50	12.5	0.027	**0.03**	0.090	**0.09**	0.00
5660	132	Left	Tilt	/	12.50	12.5	0.003	**0.00**	0.014	**0.01**	0.00
5660	132	Right	Touch	/	12.50	12.5	0.015	**0.01**	0.043	**0.04**	-0.10
5660	132	Right	Tilt	/	12.50	12.5	0.002	**0.00**	0.007	**0.01**	0.00
5825	165	Left	Touch	/	11.57	12.5	0.017	**0.02**	0.057	**0.07**	0.00
5825	165	Left	Tilt	/	11.57	12.5	0.003	**0.00**	0.009	**0.01**	0.00
5825	165	Right	Touch	/	11.57	12.5	0.003	**0.00**	0.010	**0.01**	0.00
5825	165	Right	Tilt	/	11.57	12.5	0.000	**0.00**	0.000	**0.00**	0.00

Table 14.28: SAR Values (Wi-Fi 802.11a - 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)
MHz	Ch.									
5200	40	Front	/	12.03	12.5	0.001	**0.00**	0.003	**0.00**	0.14
5200	40	Rear	Fig.27	12.03	12.5	0.054	**0.06**	0.154	**0.17**	0.11
5200	40	Right	/	12.03	12.5	0.041	**0.05**	0.112	**0.12**	-0.03
5200	40	Top	/	12.03	12.5	0.003	**0.00**	0.009	**0.01**	0.10
5320	64	Front	/	12.50	12.5	0.001	**0.00**	0.002	**0.00**	0.15
5320	64	Rear	/	12.50	12.5	0.057	**0.06**	0.161	**0.16**	0.18
5320	64	Right	/	12.50	12.5	0.041	**0.04**	0.109	**0.11**	0.14
5320	64	Top	/	12.50	12.5	0.000	**0.00**	0.003	**0.00**	0.15
5660	132	Front	/	12.50	12.5	0.001	**0.00**	0.007	**0.01**	0.11
5660	132	Rear	/	12.50	12.5	0.056	**0.06**	0.146	**0.15**	0.10
5660	132	Right	/	12.50	12.5	0.041	**0.04**	0.115	**0.12**	0.12
5660	132	Top	/	12.50	12.5	0.006	**0.01**	0.025	**0.03**	0.12
5825	165	Front	/	11.57	12.5	0.003	**0.00**	0.015	**0.02**	-0.11
5825	165	Rear	/	11.57	12.5	0.052	**0.06**	0.141	**0.17**	0.04
5825	165	Right	/	11.57	12.5	0.038	**0.05**	0.097	**0.12**	0.01
5825	165	Top	/	11.57	12.5	0.006	**0.01**	0.003	**0.00**	0.16

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 14.29: SAR Values (GSM 850 MHz Band - Head) – AP OFF

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.										
836.6	190	Right	Touch	Fig.1	32.40	33.3	0.239	**0.29**	0.316	**0.39**	-0.16

Table 14.30: SAR Values (GSM 850 MHz Band - Body) – AP OFF

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °C											
Frequency		Mode (number of timeslots)	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
836.6	190	GPRS (3)	Rear	Fig.2	28.00	28.8	0.337	**0.41**	0.582	**0.70**	-0.06

Note1: The distance between the EUT and the phantom bottom is 10mm for data and 15mm for speech.

Table 14.31: SAR Values (GSM 1900 MHz Band - Head) – AP OFF

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.										
1909.8	810	Left	Touch	Fig.3	29.70	31.0	0.122	**0.16**	0.198	**0.27**	0.19

Table 14.32: SAR Values (GSM 1900 MHz Band - Body) – AP OFF

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °C											
Frequency		Mode (number of timeslots)	Test Position	Figure No.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
MHz	Ch.										
1909.8	810	GPRS (3)	Front	Fig.4	25.50	26.5	0.255	**0.32**	0.441	**0.56**	0.01

Note1: The distance between the EUT and the phantom bottom is 10mm for data and 15mm for speech.

Table 14.33: SAR Values (WCDMA 850 MHz Band - Head) – AP OFF

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.										
846.6	4233	Right	Touch	Fig.5	25.00	25.0	0.342	**0.34**	0.459	**0.46**	0.03

Table 14.34: SAR Values (WCDMA 850 MHz Band - Body) – AP OFF

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.									
846.6	4233	Rear	Fig.6	25.00	25.0	0.364	**0.36**	0.600	**0.60**	-0.07

Note1: The distance between the EUT and the phantom bottom is 10mm for data and 15mm for speech.

Table 14.35: SAR Values (WCDMA 1700 MHz Band - Head) – APP OFF

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.										
1712.4	1312	Left	Touch	Fig.7	23.70	24.0	0.238	**0.26**	0.365	**0.39**	0.15

Table 14.36: SAR Values (WCDMA 1700 MHz Band - Body) – AP OFF

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.									
1712.4	1312	Front	Fig.8	23.70	24.0	0.237	**0.25**	0.374	**0.40**	0.09

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

Table 14.37: SAR Values (WCDMA 1700 MHz Band - Body) – AP ON

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.									
1712.4	1312	Front	Fig.9	21.56	22.0	0.274	**0.30**	0.463	**0.51**	-0.03

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

Table 14.38: SAR Values (WCDMA 1900 MHz Band - Head) – AP OFF

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.										
1880	9400	Left	Touch	Fig.10	22.27	22.3	0.205	**0.21**	0.330	**0.33**	0.04

Table 14.39: SAR Values (WCDMA 1900 MHz Band - Body) – AP OFF

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.									
1907.6	9538	Front	Fig.11	22.27	22.3	0.210	**0.21**	0.348	**0.35**	-0.08

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

Table 14.40: SAR Values (WCDMA 1900 MHz Band - Body) – AP ON

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.									
1907.6	9538	Front	Fig.12	19.15	19.5	0.162	**0.18**	0.279	**0.30**	-0.06

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

Table 14.41: SAR Values (LTE Band2 - Head) – AP OFF

Ambient Temperature: 22.3 °C						Liquid Temperature: 21.8 °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)
MHz	Ch.											
1880	18900	1RB_Mid	Left	Touch	Fig.13	22.29	22.3	0.213	**0.21**	0.328	**0.33**	0.13

Note1: The LTE mode is QPSK_20MHz.

Table 14.42: SAR Values (LTE Band2 - Body) – AP OFF

Ambient Temperature: 22.3 °C						Liquid Temperature: 21.8 °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)	
MHz	Ch.											
1880	18900	1RB_Mid	Front	Fig.14	22.29	22.3	0.181	**0.18**	0.297	**0.30**	0.18	

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.43: SAR Values (LTE Band2 - Body) – AP ON

Ambient Temperature: 22.3 °C						Liquid Temperature: 21.8 °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)	
MHz	Ch.											
1900	19100	1RB_Low	Front	Fig.15	19.11	19.5	0.158	**0.17**	0.278	**0.30**	0.01	

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.44: SAR Values (LTE Band4 - Head) – AP OFF

Ambient Temperature: 22.3 °C						Liquid Temperature: 21.8 °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)
MHz	Ch.											
1745	20300	1RB_Mid	Left	Touch	Fig.16	22.98	24.0	0.160	**0.20**	0.244	**0.31**	-0.13

Note1: The LTE mode is QPSK_20MHz.

Table 14.45: SAR Values (LTE Band4 - Body) – AP OFF

Ambient Temperature: 22.3 °C						Liquid Temperature: 21.8 °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)	
MHz	Ch.											
1745	20300	1RB_Mid	Front	Fig.17	22.98	24.0	0.202	**0.26**	0.331	**0.42**	0.11	

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.46: SAR Values (LTE Band4 - Body) – AP ON

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.										
1745	20300	50RB_Mid	Front	Fig.18	21.39	22.0	0.245	**0.28**	0.416	**0.48**	0.16

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.47: SAR Values (LTE Band7 - Head) – AP OFF

Ambient Temperature: 22.2 °C Liquid Temperature: 21.7 °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)
MHz	Ch.											
2535	21100	1RB_Low	Left	Touch	Fig.19	22.52	22.7	0.011	**0.01**	0.030	**0.03**	-0.13

Note1: The LTE mode is QPSK_20MHz.

Table 14.48: SAR Values (LTE Band7 - Body) – AP OFF

Ambient Temperature: 22.2 °C Liquid Temperature: 21.7 °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)
MHz	Ch.										
2535	21100	1RB_Low	Bottom	Fig.20	22.52	22.7	0.267	**0.28**	0.516	**0.54**	-0.02

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.49: SAR Values (LTE Band7 - Body) – AP ON

Ambient Temperature: 22.2 °C Liquid Temperature: 21.7 °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)
MHz	Ch.										
2510	20850	1RB_Low	Bottom	Fig.21	18.86	19.0	0.227	**0.23**	0.499	**0.52**	-0.02

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.50: SAR Values (LTE Band17 - Head) – AP OFF

Ambient Temperature: 22.2 °C Liquid Temperature: 21.7 °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)
MHz	Ch.											
711	23800	1RB_Low	Left	Touch	Fig.22	23.18	24.0	0.148	**0.18**	0.179	**0.22**	0.10

Note1: The LTE mode is QPSK_10MHz.

Table 14.51: SAR Values (LTE Band17 - Body) – AP OFF

Ambient Temperature: 22.2 °C Liquid Temperature: 21.7 °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)
MHz	Ch.										
711	23800	1RB_Low	Rear	Fig.23	23.18	24.0	0.273	**0.33**	0.340	**0.41**	0.05

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

Note2: The LTE mode is QPSK_10MHz.

Table 14.52: SAR Values (Wi-Fi 802.11b - Head) – AP OFF

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.										
2437	6	Left	Touch	Fig.24	16.69	18.5	0.137	**0.21**	0.299	**0.45**	0.12

Table 14.53: SAR Values (Wi-Fi 802.11b - Body) – AP OFF

Ambient Temperature: 22.3 °C Liquid Temperature: 21.8 °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)
MHz	Ch.									
2437	6	Right	Fig.25	16.69	18.5	0.076	**0.11**	0.158	**0.24**	0.01

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

Table 14.54: SAR Values (Wi-Fi 802.11a - 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)
MHz	Ch.										
5660	132	Left	Touch	Fig.26	12.50	12.5	0.027	**0.03**	0.090	**0.09**	0.00

Table 14.55: SAR Values (Wi-Fi 802.11a - 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)
MHz	Ch.									
5200	40	Rear	Fig.27	12.03	12.5	0.054	**0.06**	0.154	**0.17**	0.11

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

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.

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	5.5	N	1	1	1	5.5	5.5	∞
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	∞
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	$u_c^{'} = \sqrt{\sum_{i=1}^{21} c_i^2 u_i^2}$					9.25	9.12	257
Expanded uncertainty (confidence interval of 95 %)	$u_e = 2u_c$					18.5	18.2	

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	6.5	N	1	1	1	6.5	6.5	∞
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	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		$u_c^{'} = \sqrt{\sum_{i=1}^{21} c_i^2 u_i^2}$						10.8	10.7	257
Expanded uncertainty (confidence interval of 95 %)		$u_e = 2u_c$						21.6	21.4	

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	5.5	N	1	1	1	5.5	5.5	∞
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		$u_c' = \sqrt{\sum_{i=1}^{22} c_i^2 u_i^2}$						10.1	9.95	257
Expanded uncertainty (confidence interval of 95 %)		$u_e = 2u_c$						20.2	19.9	

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	6.5	N	1	1	1	6.5	6.5	∞
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	A	3.3	N	1	1	1	3.3	3.3	71

	positioning									
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		$u_c^{'} = \sqrt{\sum_{i=1}^{22} c_i^2 u_i^2}$						13.3	13.2	257
Expanded uncertainty (confidence interval of 95 %)		$u_e = 2u_c$						26.6	26.4	

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	February 15, 2013	One year
02	Power meter	NRVD	102083	September 11, 2013	One year
03	Power sensor	NRV-Z5	100542		
04	Signal Generator	E4438C	MY49071430	February 08, 2013	One Year
05	Amplifier	60S1G4	0331848	No Calibration Requested	
06	BTS	E5515C	MY50263375	January 30, 2013	One year
07	BTS	CMW500	129942	March 12, 2013	One year
08	E-field Probe	SPEAG EX3DV4	3846	September 03, 2013	One year
09	DAE	SPEAG DAE4	771	November 12, 2013	One year
10	Dipole Validation Kit	SPEAG D750V3	1017	August 29, 2013	One year
11	Dipole Validation Kit	SPEAG D835V2	443	August 29, 2013	One year
12	Dipole Validation Kit	SPEAG D1750V2	1003	September 03, 2013	One year
13	Dipole Validation Kit	SPEAG D1900V2	5d101	July 09, 2013	One year
14	Dipole Validation Kit	SPEAG D2450V2	853	July 08, 2013	One year
15	Dipole Validation Kit	SPEAG D2600V2	1012	July 05, 2013	One year
16	Dipole Validation Kit	SPEAG D5GHzV2	1060	July 03, 2013	One year

END OF REPORT BODY

ANNEX A Graph Results

850 Right Cheek Middle – AP OFF

Date: 2014-1-21
Electronics: DAE4 Sn771
Medium: Head 850 MHz
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.913 mho/m; εr = 42.229; ρ = 1000 kg/m^3
Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C
Communication System: GSM 850 Frequency: 836.6 MHz Duty Cycle: 1:8.3
Probe: EX3DV4 - SN3846 ConvF(8.92, 8.92, 8.92)

Cheek Middle/Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.340 W/kg

Cheek Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.759 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.401 W/kg
SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.239 W/kg
Maximum value of SAR (measured) = 0.326 W/kg

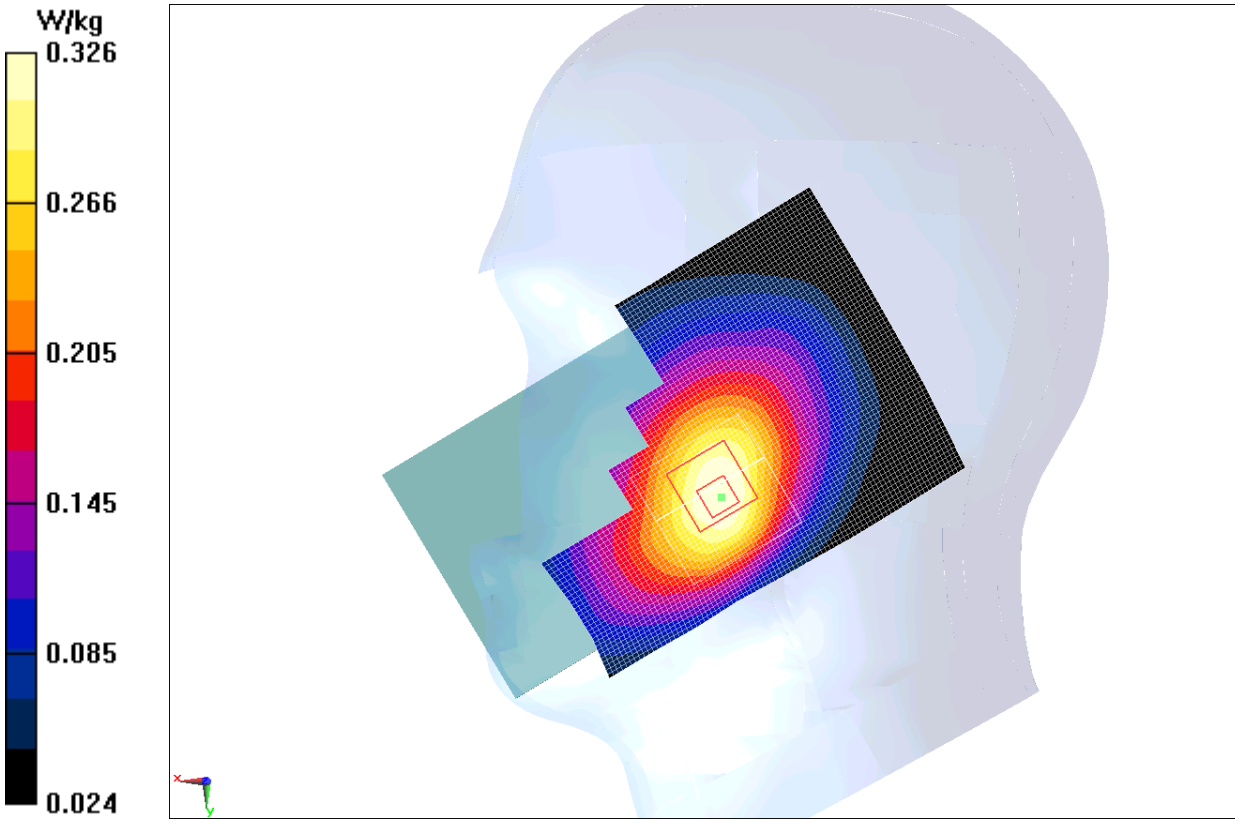


Fig.1 850MHz CH190

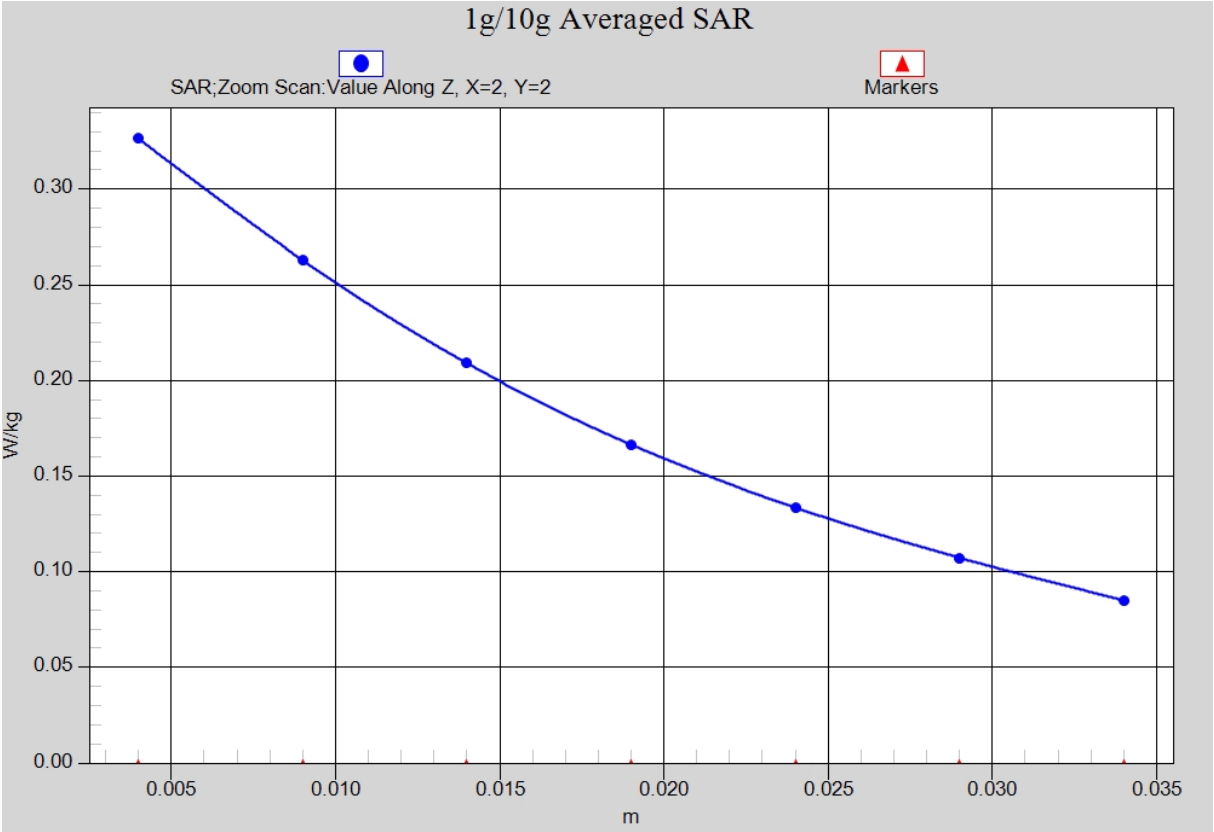


Fig. 1-1 Z-Scan at power reference point (850 MHz CH190)

850 Body Rear Middle – AP OFF

Date: 2014-1-21
Electronics: DAE4 Sn771
Medium: Body 850 MHz
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.965 mho/m; εr = 55.999; ρ = 1000 kg/m^3
Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C
Communication System: GSM 850 GPRS Frequency: 836.6 MHz Duty Cycle: 1:2.67
Probe: EX3DV4 - SN3846 ConvF(8.73, 8.73, 8.73)

Rear Middle/Area Scan (71x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.616 W/kg

Rear Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.257 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.61 W/kg
SAR(1 g) = 0.582 W/kg; SAR(10 g) = 0.337 W/kg
Maximum value of SAR (measured) = 0.595 W/kg

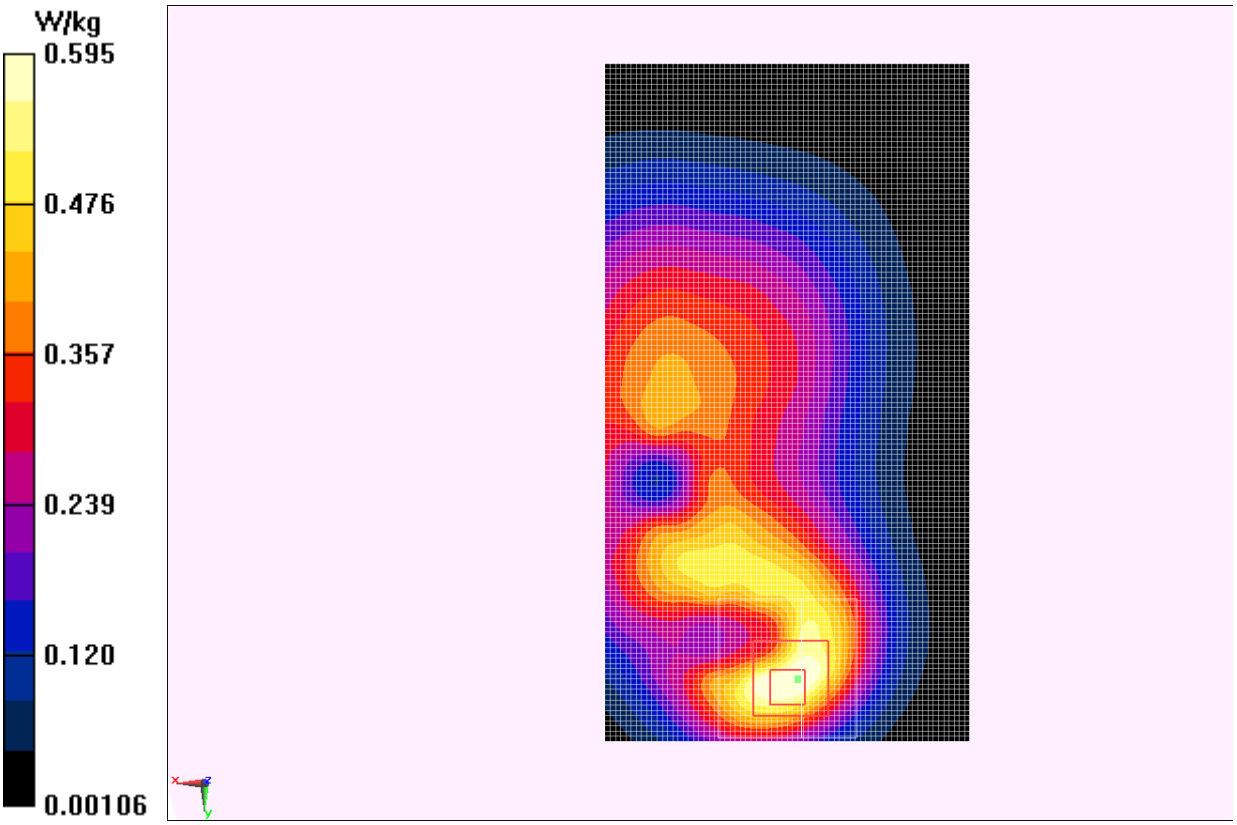


Fig.2 850 MHz CH190

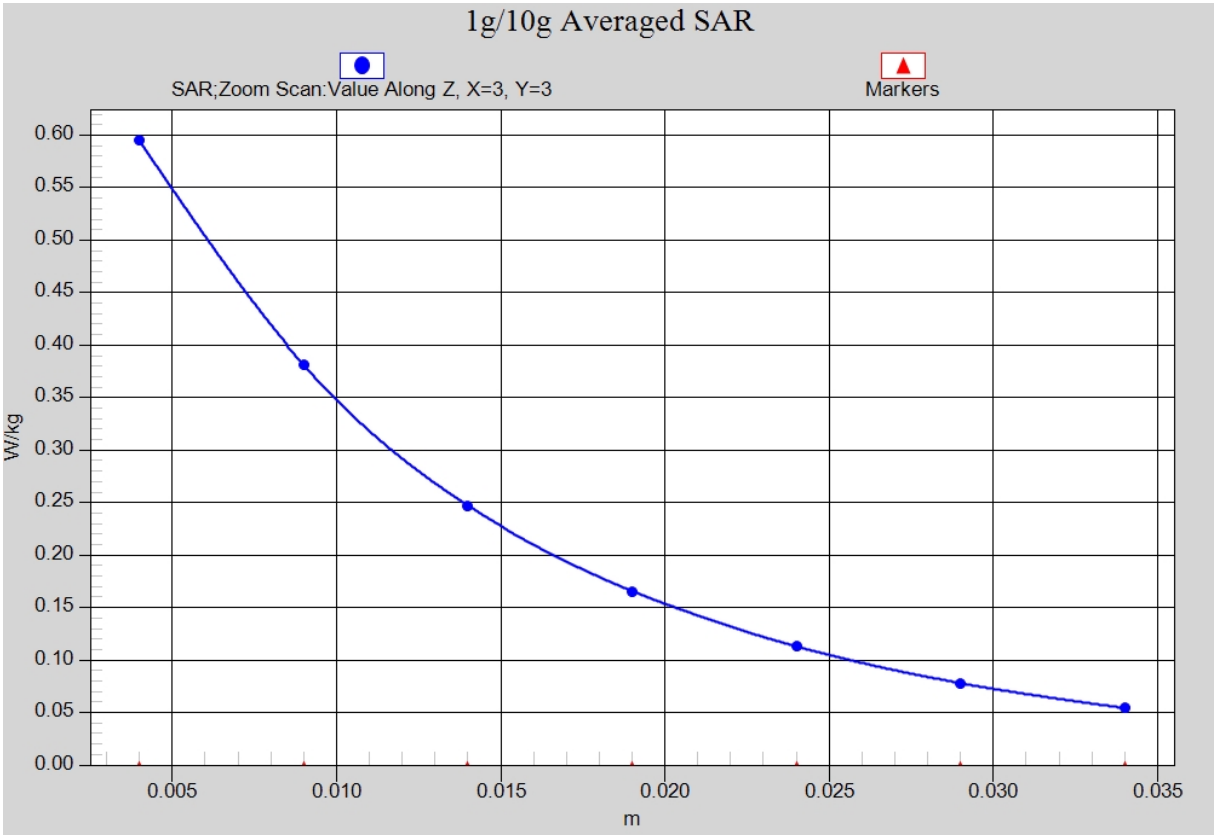


Fig. 2-1 Z-Scan at power reference point (850 MHz CH190)

1900 Left Cheek High – AP OFF
Date: 2014-1-23
Electronics: DAE4 Sn771
Medium: Head 1900 MHz
Medium parameters used: f = 1910 MHz; σ = 1.413 mho/m; εr = 38.954; ρ = 1000 kg/m^3
Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C
Communication System: GSM 1900MHz Frequency: 1909.8 MHz Duty Cycle: 1:8.3
Probe: EX3DV4 - SN3846 ConvF(7.57, 7.57, 7.57)

Cheek High/Area Scan (71x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.254 W/kg

Cheek High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.496 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.277 W/kg
SAR(1 g) = 0.198 W/kg; SAR(10 g) = 0.122 W/kg
Maximum value of SAR (measured) = 0.216 W/kg

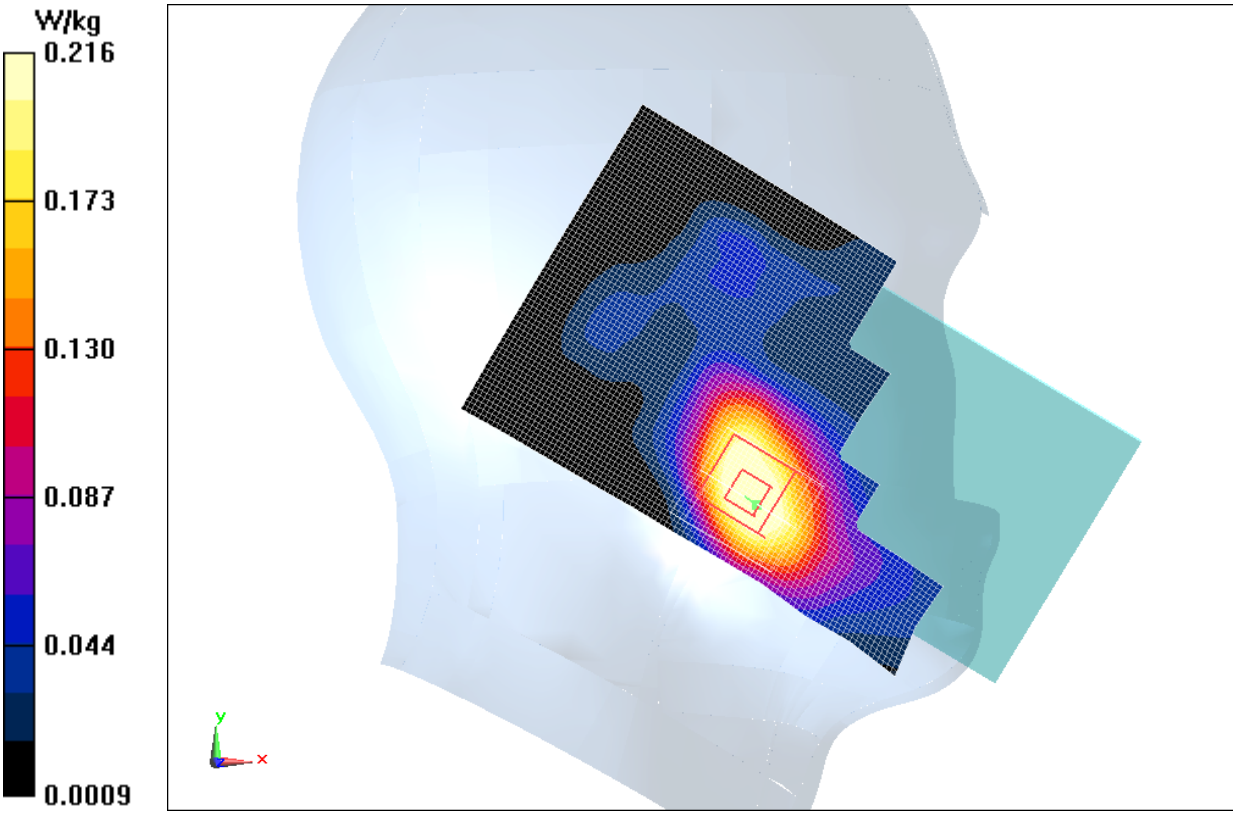


Fig.4 1900 MHz CH810

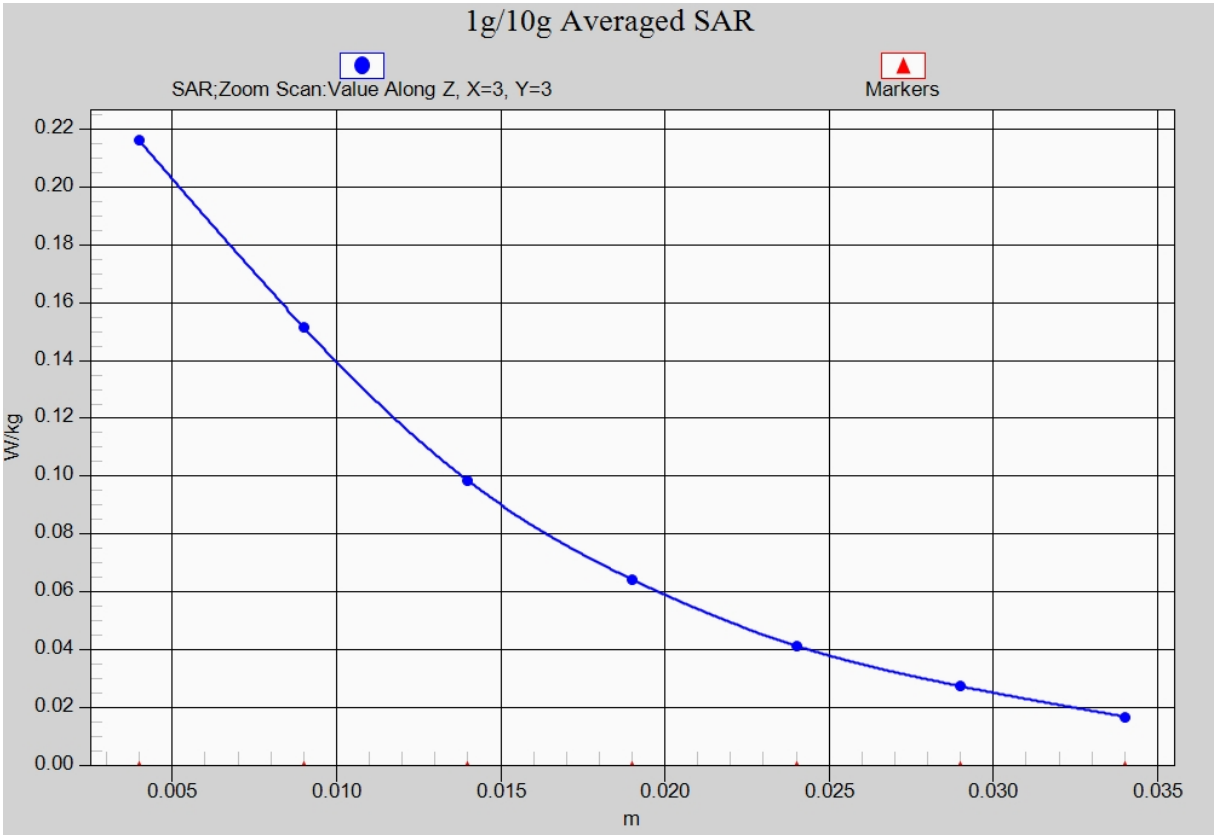


Fig. 3-1 Z-Scan at power reference point (1900 MHz CH810)

1900 Body Front High – AP OFF
Date: 2014-1-23
Electronics: DAE4 Sn771
Medium: Body 1900 MHz
Medium parameters used: f = 1910 MHz; σ = 1.513 mho/m; εr = 51.637; ρ = 1000 kg/m^3
Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C
Communication System: GSM 1900MHz GPRS Frequency: 1909.8 MHz Duty Cycle: 1:2.67
Probe: EX3DV4 - SN3846 ConvF(7.03, 7.03, 7.03)

Front High/Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.606 W/kg

Front High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.892 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.695 W/kg
SAR(1 g) = 0.441 W/kg; SAR(10 g) = 0.255 W/kg
Maximum value of SAR (measured) = 0.564 W/kg

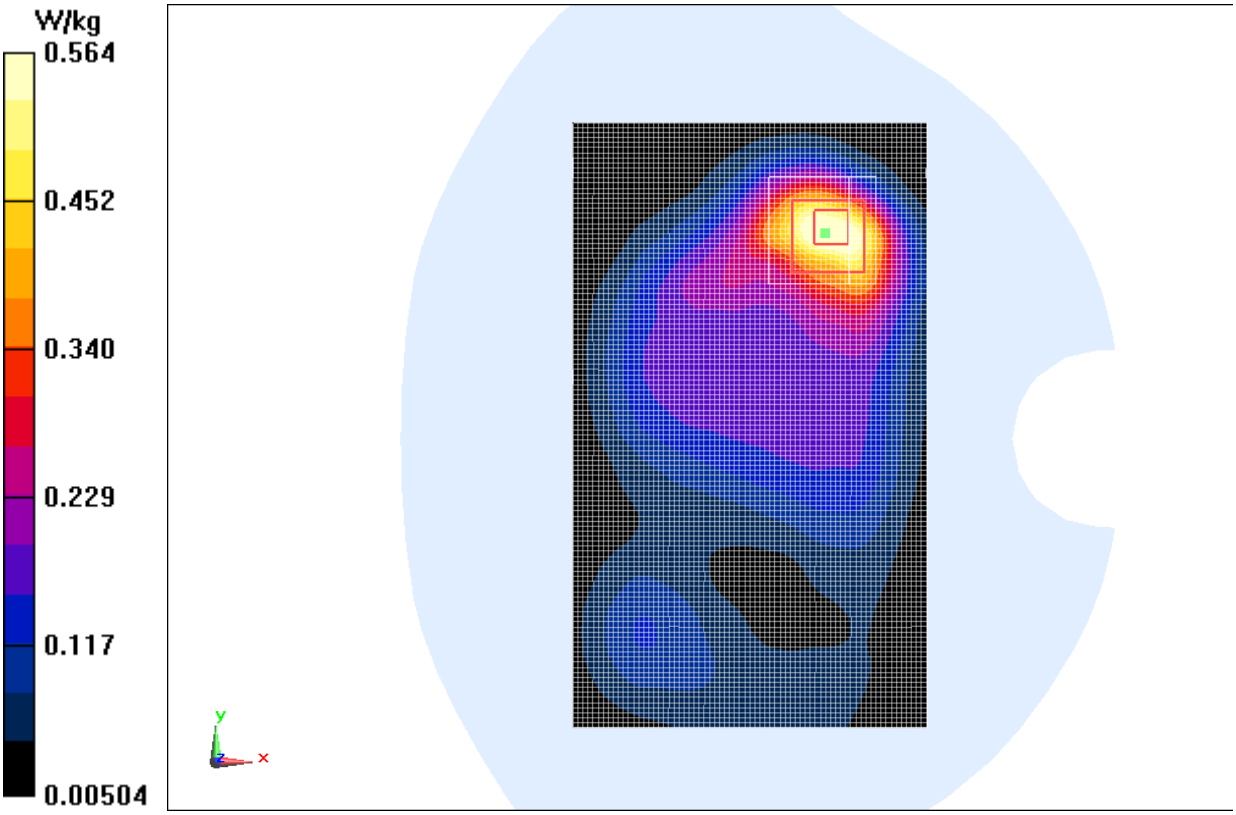


Fig.4 1900 MHz CH810

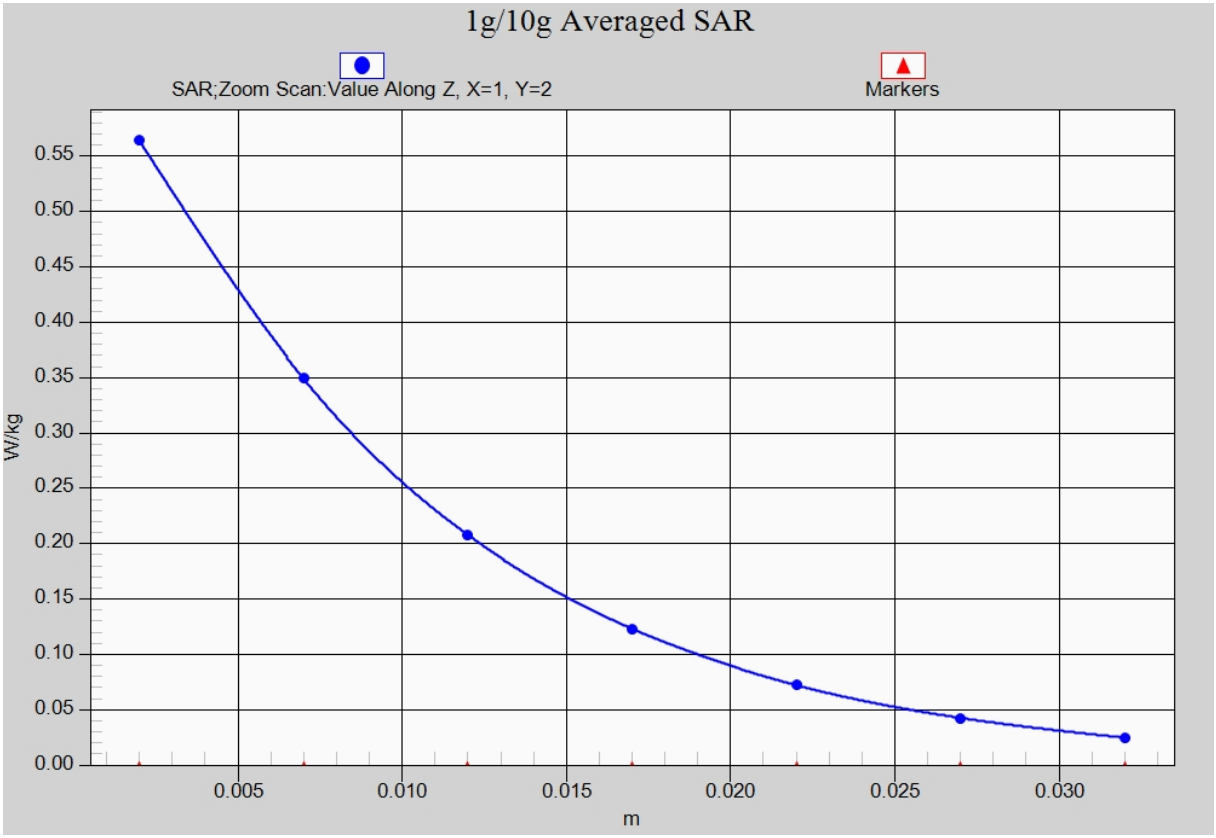


Fig.4-1 Z-Scan at power reference point (1900 MHz CH810)

WCDMA 850 Right Cheek High – AP OFF
Date: 2014-1-21
Electronics: DAE4 Sn771
Medium: Head 850 MHz
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.921 mho/m; εr = 42.066; ρ = 1000 kg/m^3
Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C
Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1
Probe: EX3DV4 - SN3846 ConvF(8.92, 8.92, 8.92)

Cheek High/Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.499 W/kg

Cheek High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.574 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.592 W/kg
SAR(1 g) = 0.459 W/kg; SAR(10 g) = 0.342 W/kg
Maximum value of SAR (measured) = 0.479 W/kg

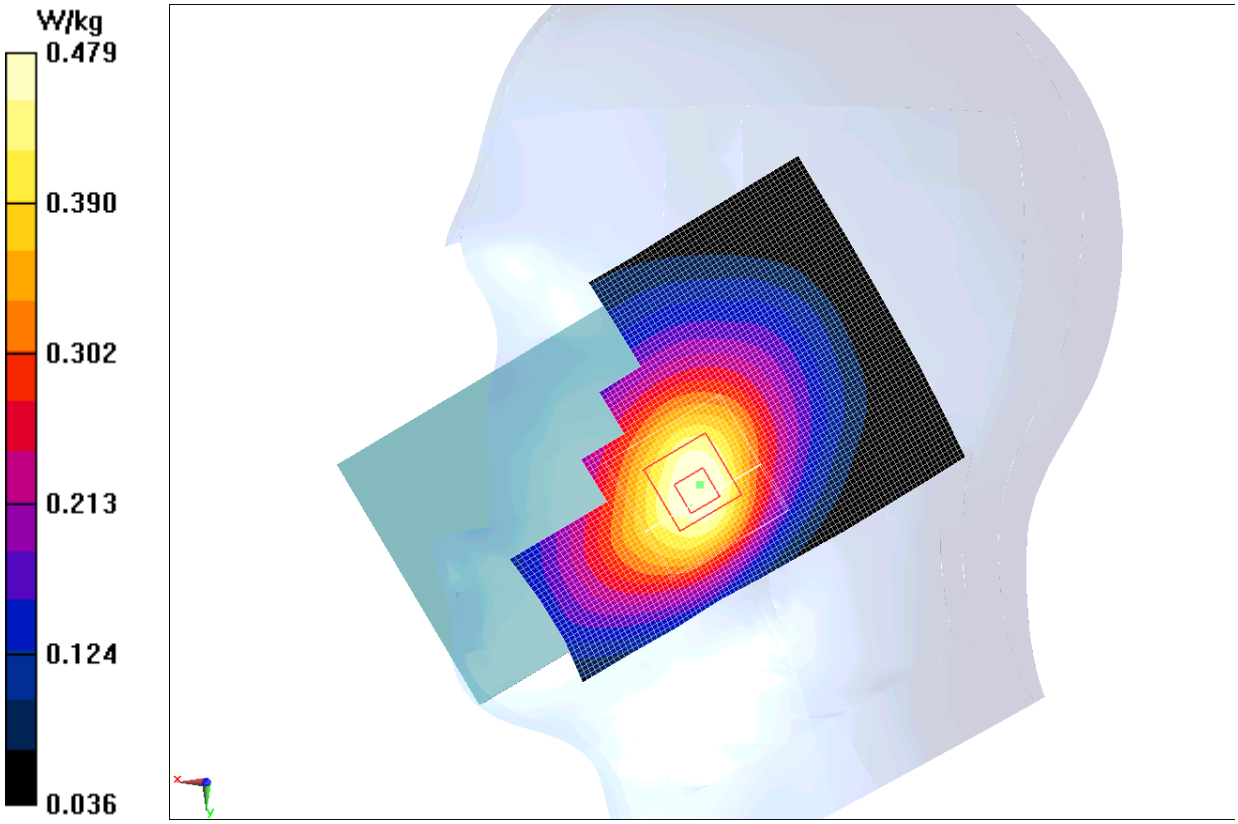


Fig.5 WCDMA 850 CH4233

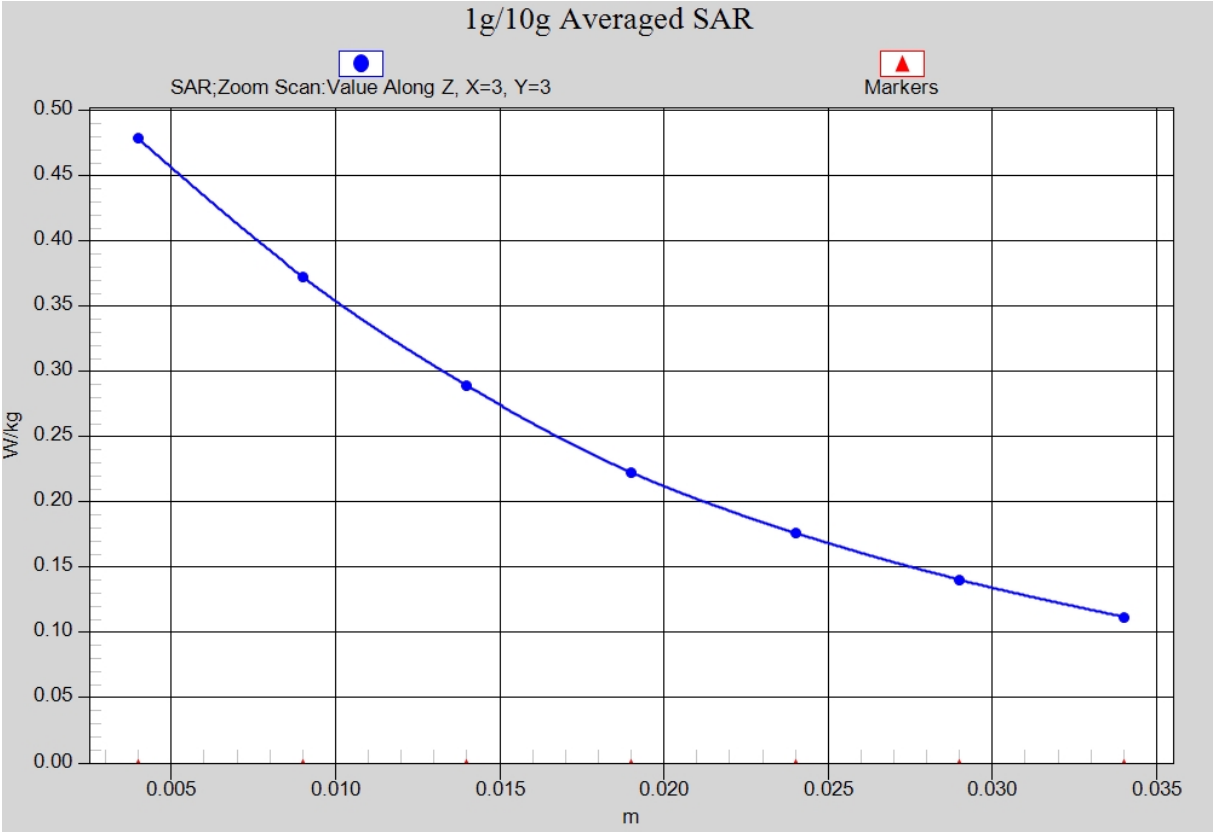


Fig. 5-1 Z-Scan at power reference point (WCDMA 850 CH4233)

WCDMA 850 Body Rear High – AP OFF

Date: 2014-1-21
Electronics: DAE4 Sn771
Medium: Body 850 MHz
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.974 mho/m; εr = 55.876; ρ = 1000 kg/m^3
Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C
Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1
Probe: EX3DV4 - SN3846 ConvF(8.73, 8.73, 8.73)

Rear High/Area Scan (71x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.647 W/kg

Rear High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.863 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.952 W/kg
SAR(1 g) = 0.600 W/kg; SAR(10 g) = 0.364 W/kg
Maximum value of SAR (measured) = 0.672 W/kg

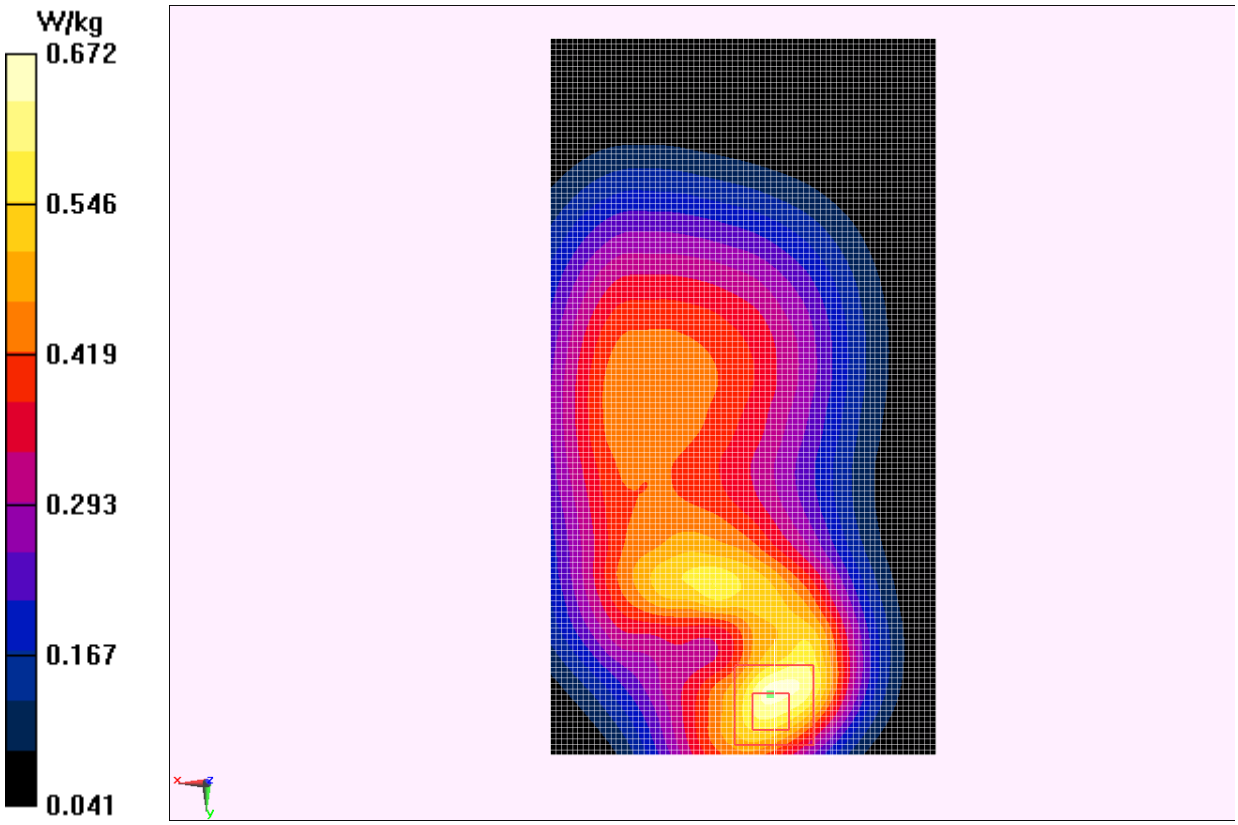


Fig.6 WCDMA 850 CH4233

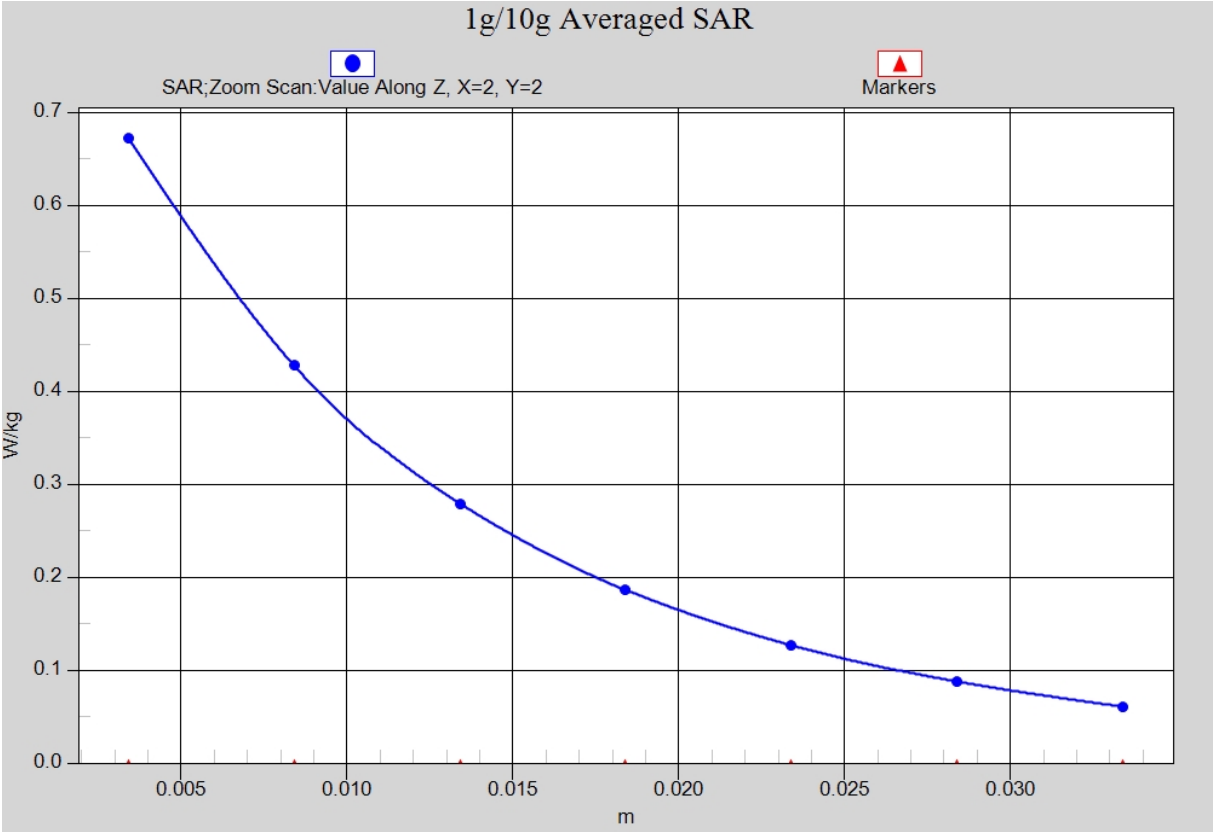


Fig. 6-1 Z-Scan at power reference point (WCDMA850 CH4233)

WCDMA 1700 Left Cheek Low – AP OFF

Date: 2014-1-22
Electronics: DAE4 Sn771
Medium: Head 1750 MHz
Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.332 mho/m; εr = 39.499; ρ = 1000 kg/m^3
Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C
Communication System: WCDMA 1700 Frequency: 1712.4 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN3846 ConvF(7.85, 7.85, 7.85)

Cheek Low/Area Scan (71x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.473 W/kg

Cheek Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.707 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.485 W/kg
SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.238 W/kg
Maximum value of SAR (measured) = 0.399 W/kg

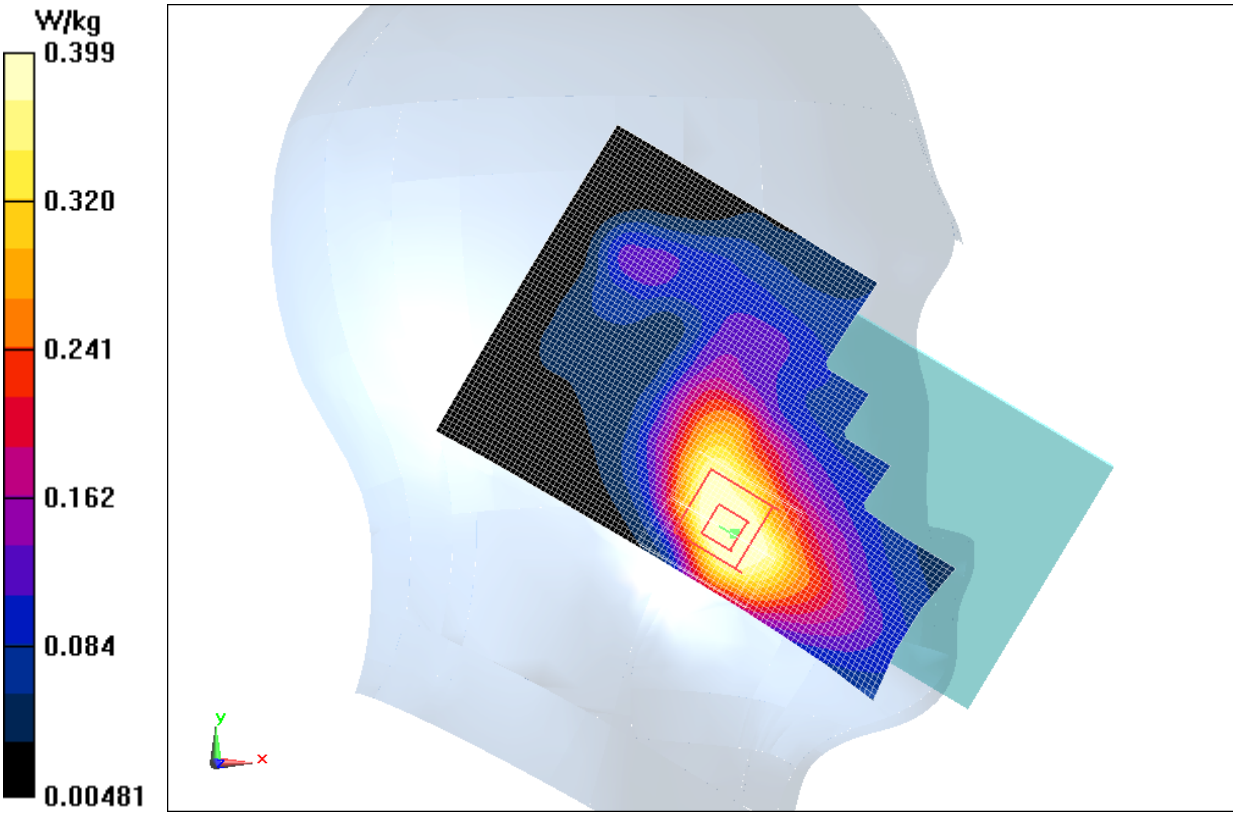


Fig.7 1700MHz CH1312

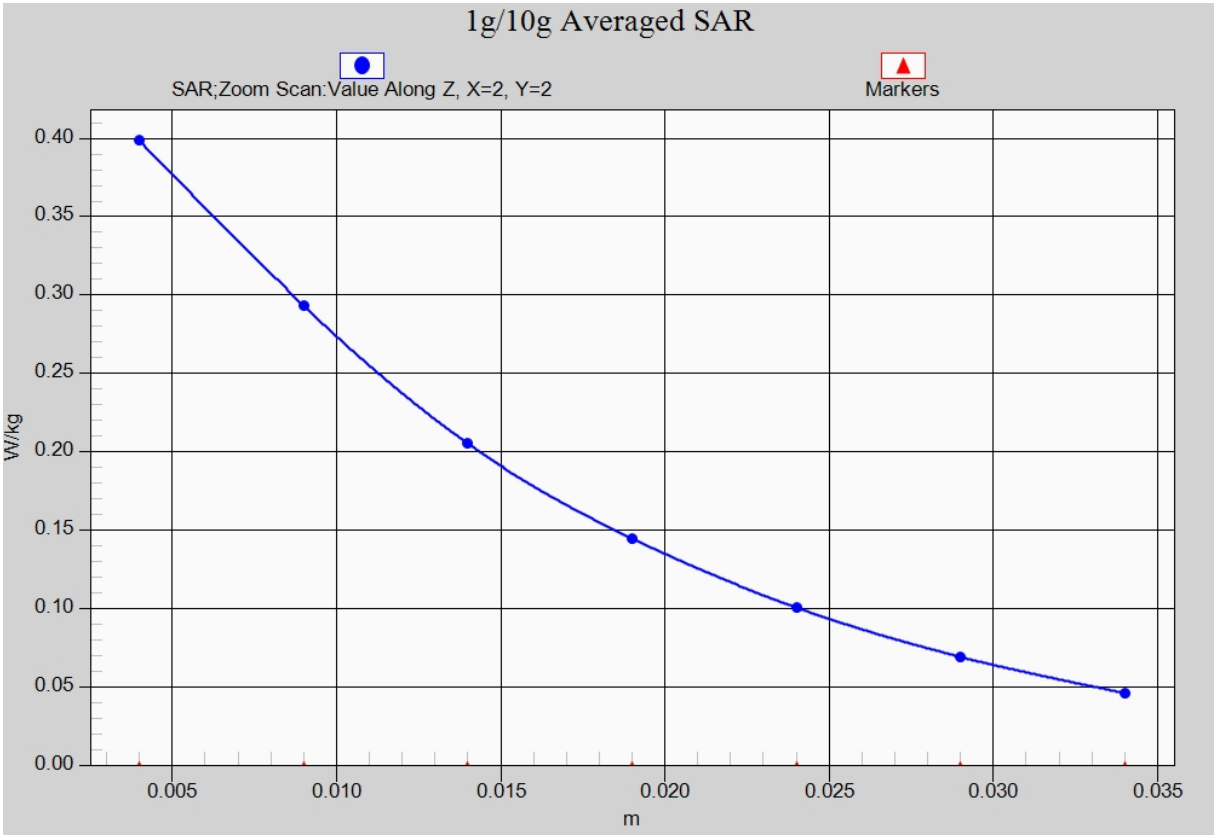


Fig. 7-1 Z-Scan at power reference point (1700 MHz CH1312)

WCDMA 1700 Body Front Low – AP OFF
Date: 2014-1-22
Electronics: DAE4 Sn771
Medium: Body 1750 MHz
Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.46 mho/m; εr = 53.661; ρ = 1000 kg/m^3
Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C
Communication System: WCDMA 1700 Frequency: 1712.4 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN3846 ConvF(7.56, 7.56, 7.56)

Front Low/Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.492 W/kg

Front Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.590 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.537 W/kg
SAR(1 g) = 0.374 W/kg; SAR(10 g) = 0.237 W/kg
Maximum value of SAR (measured) = 0.401 W/kg

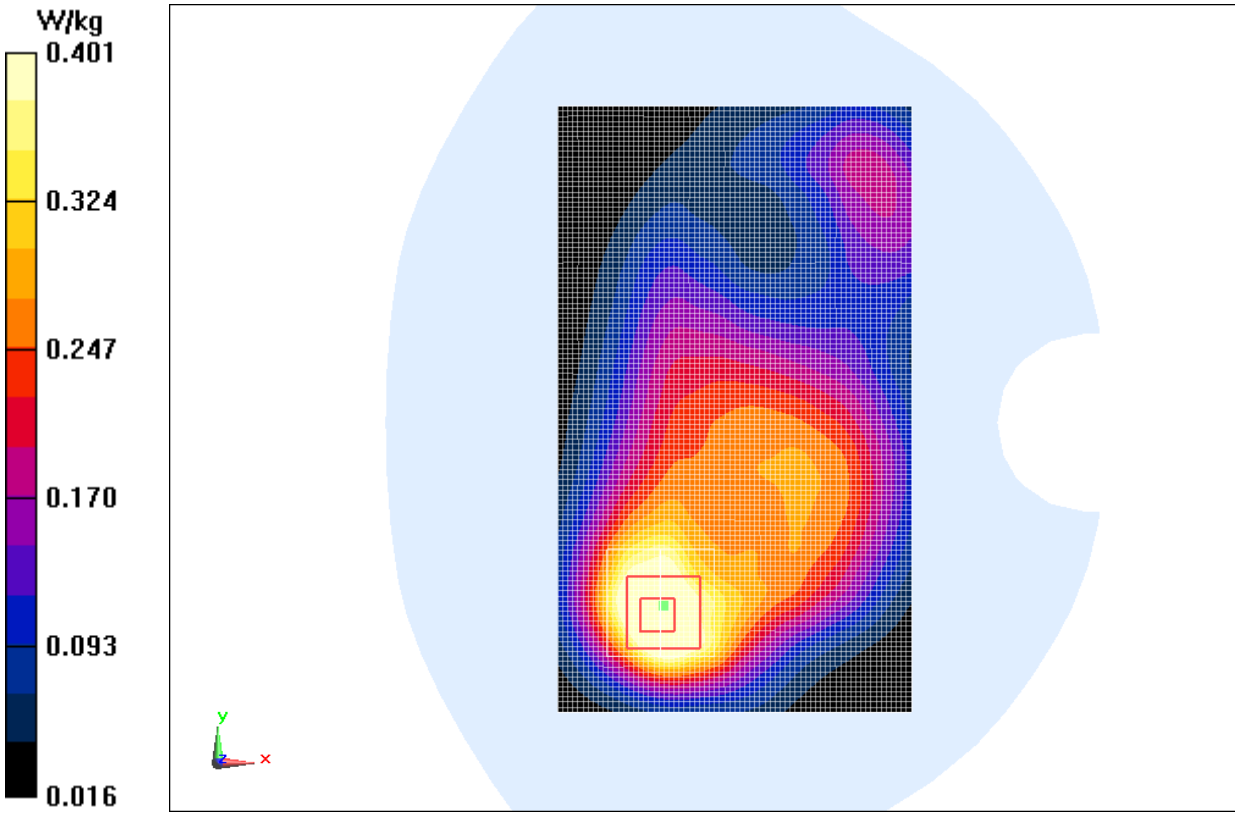


Fig.8 1700 MHz CH1312

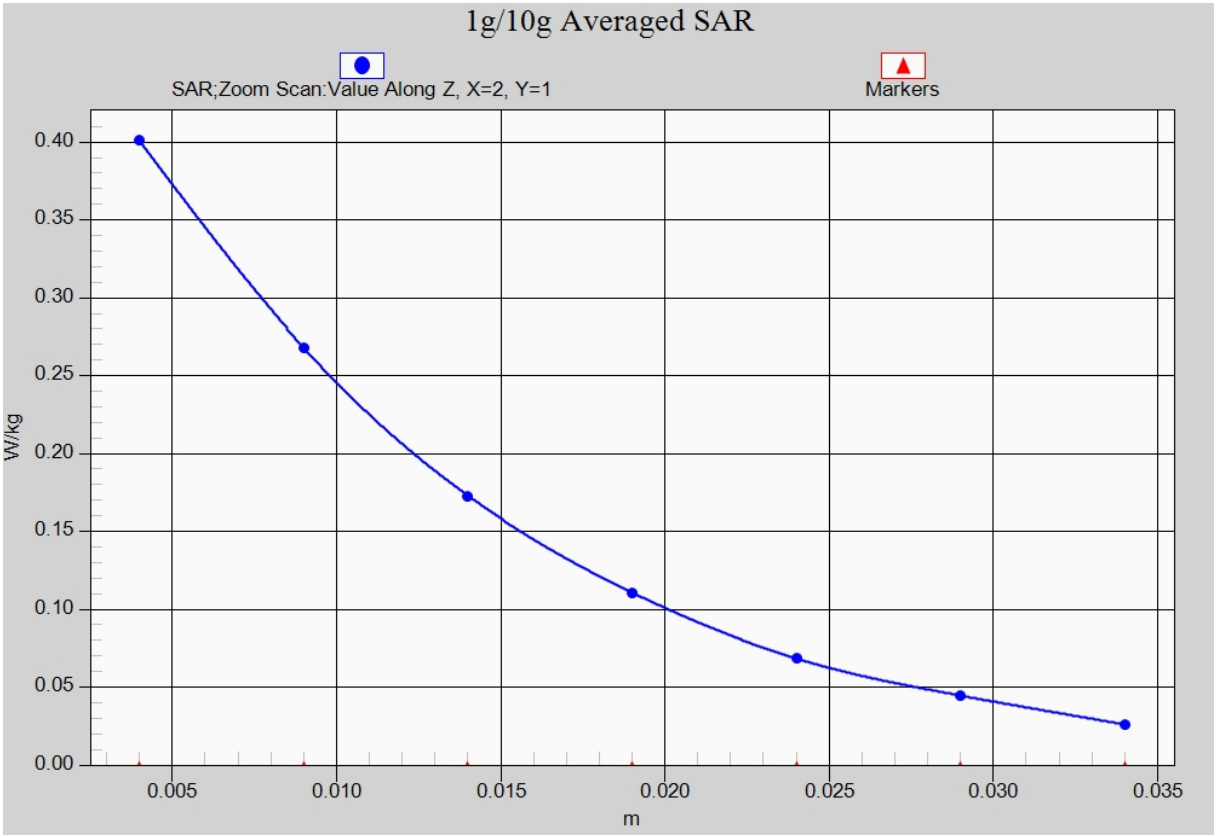


Fig. 8-1 Z-Scan at power reference point (1700 MHz CH1312)

WCDMA 1700 Body Front Low – AP ON
Date: 2014-1-22
Electronics: DAE4 Sn771
Medium: Body 1750 MHz
Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.46 mho/m; εr = 53.661; ρ = 1000 kg/m^3
Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C
Communication System: WCDMA 1700 Frequency: 1752.6 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN3846 ConvF(7.56, 7.56, 7.56)

Front Low/Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.592 W/kg

Front Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.241 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.705 W/kg
SAR(1 g) = 0.463 W/kg; SAR(10 g) = 0.274 W/kg
Maximum value of SAR (measured) = 0.492 W/kg

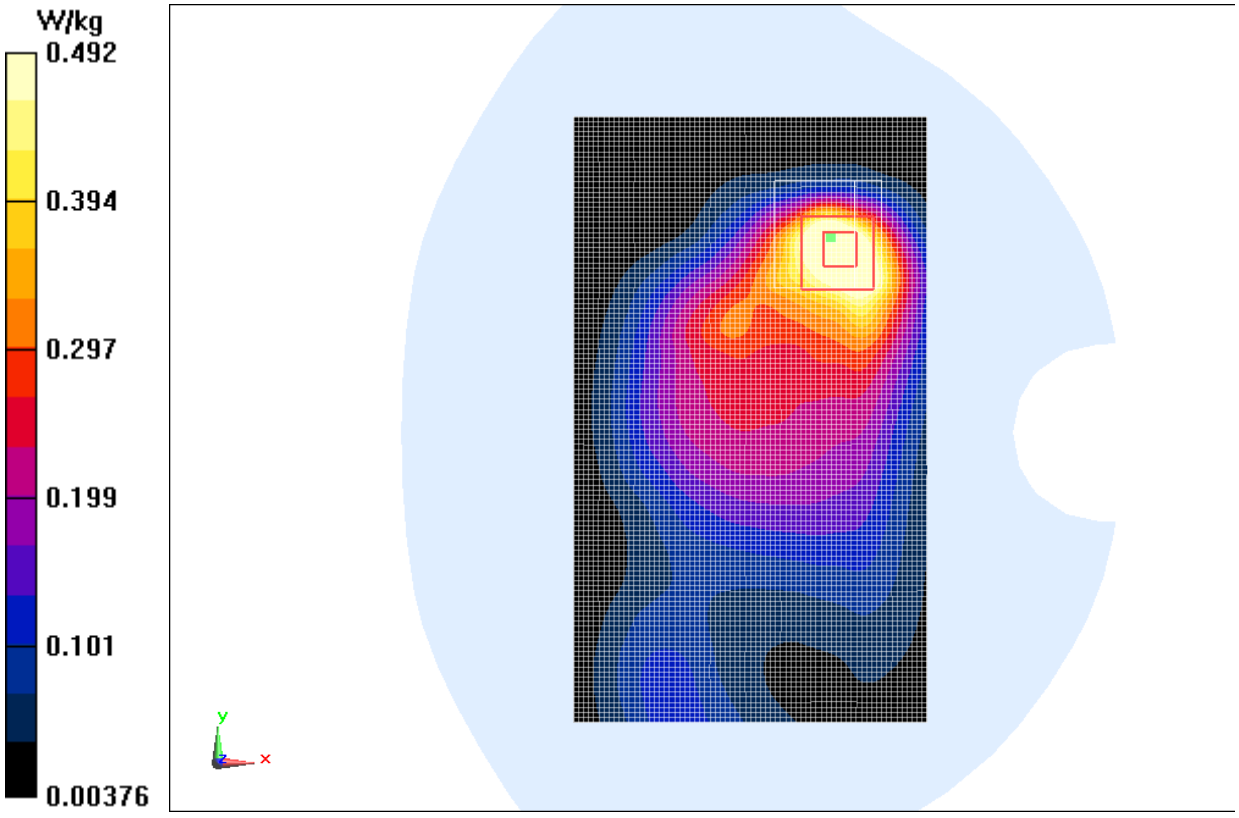


Fig.9 1700 MHz CH1312

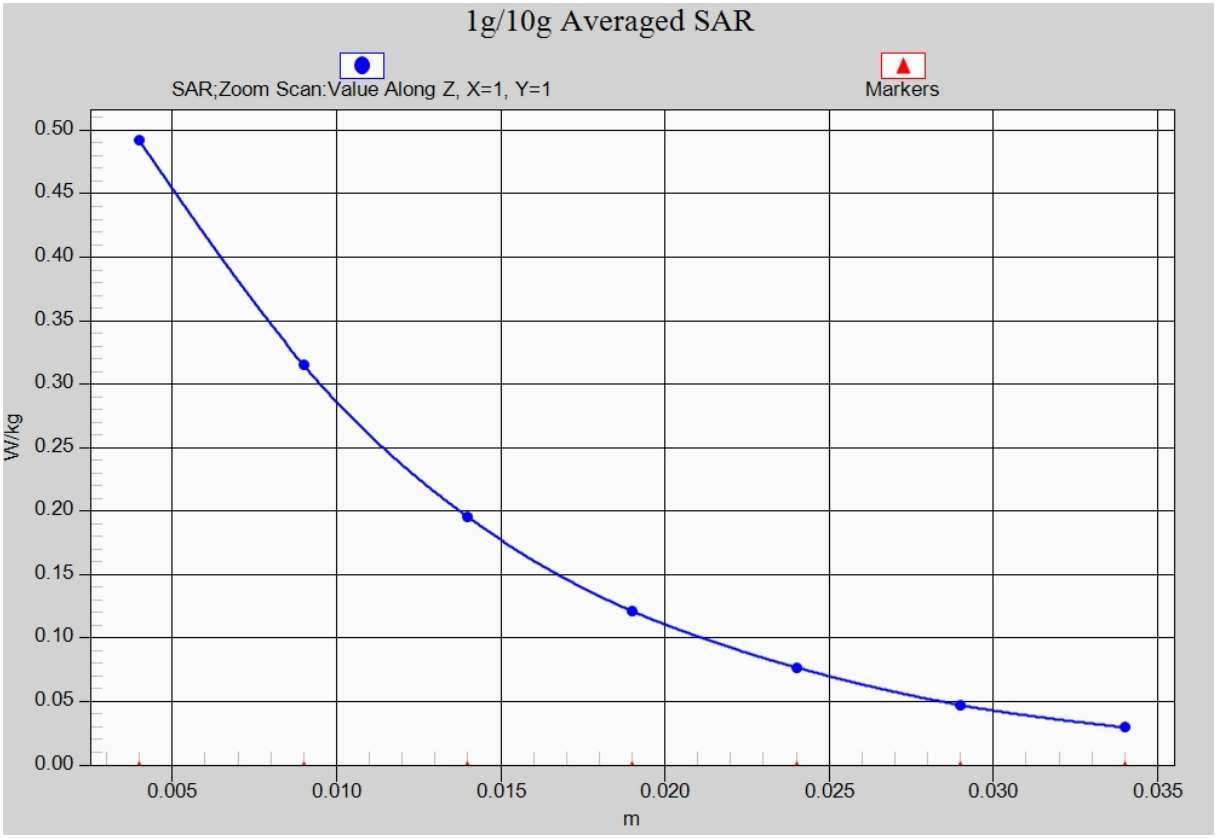


Fig. 9-1 Z-Scan at power reference point (1700 MHz CH1312)

WCDMA 1900 Left Cheek Middle – AP OFF
Date: 2014-1-23
Electronics: DAE4 Sn771
Medium: Head 1900 MHz
Medium parameters used: f = 1880 MHz; σ = 1.386 mho/m; εr = 39.106; ρ = 1000 kg/m^3
Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C
Communication System: WCDMA 1900 Frequency: 1880 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN3846 ConvF(7.57, 7.57, 7.57)

Cheek Middle/Area Scan (71x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.425 W/kg

Cheek Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.622 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.466 W/kg
SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.205 W/kg
Maximum value of SAR (measured) = 0.362 W/kg

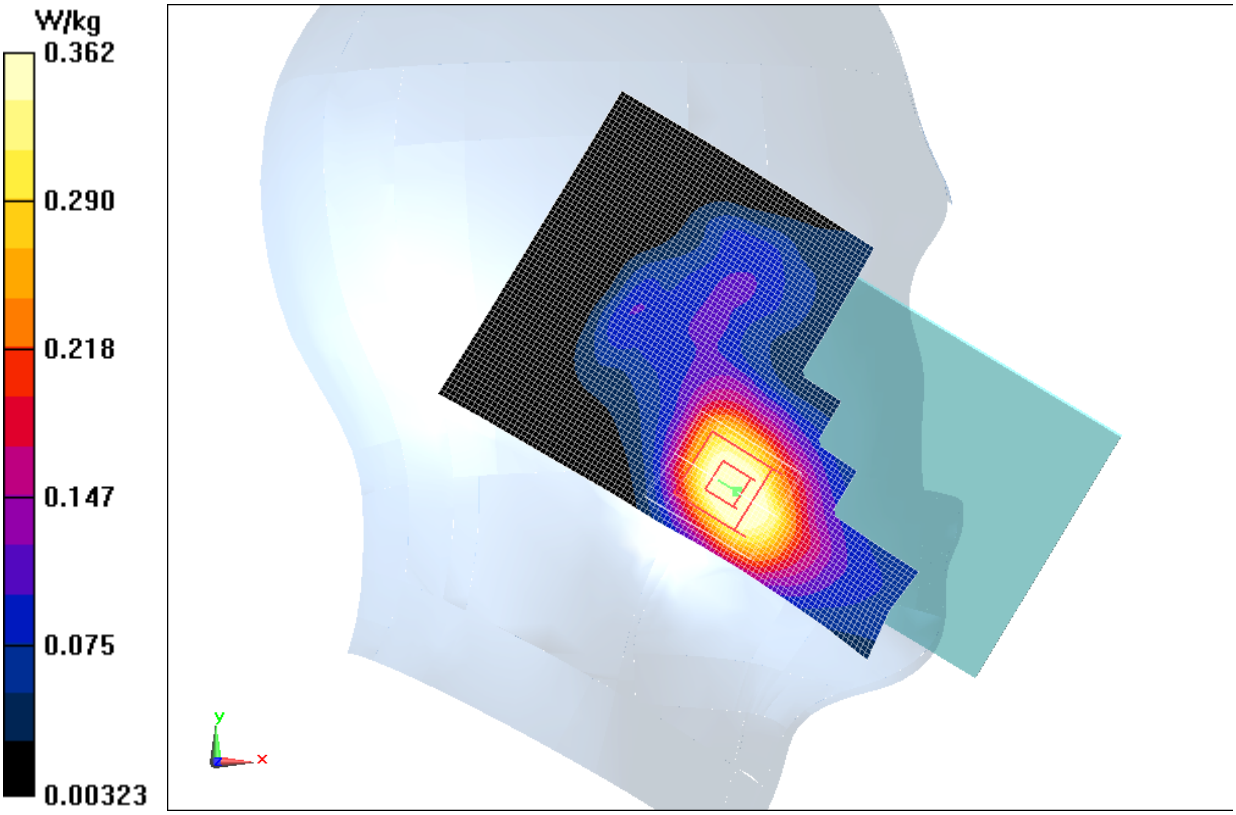


Fig.10 WCDMA1900 CH9400

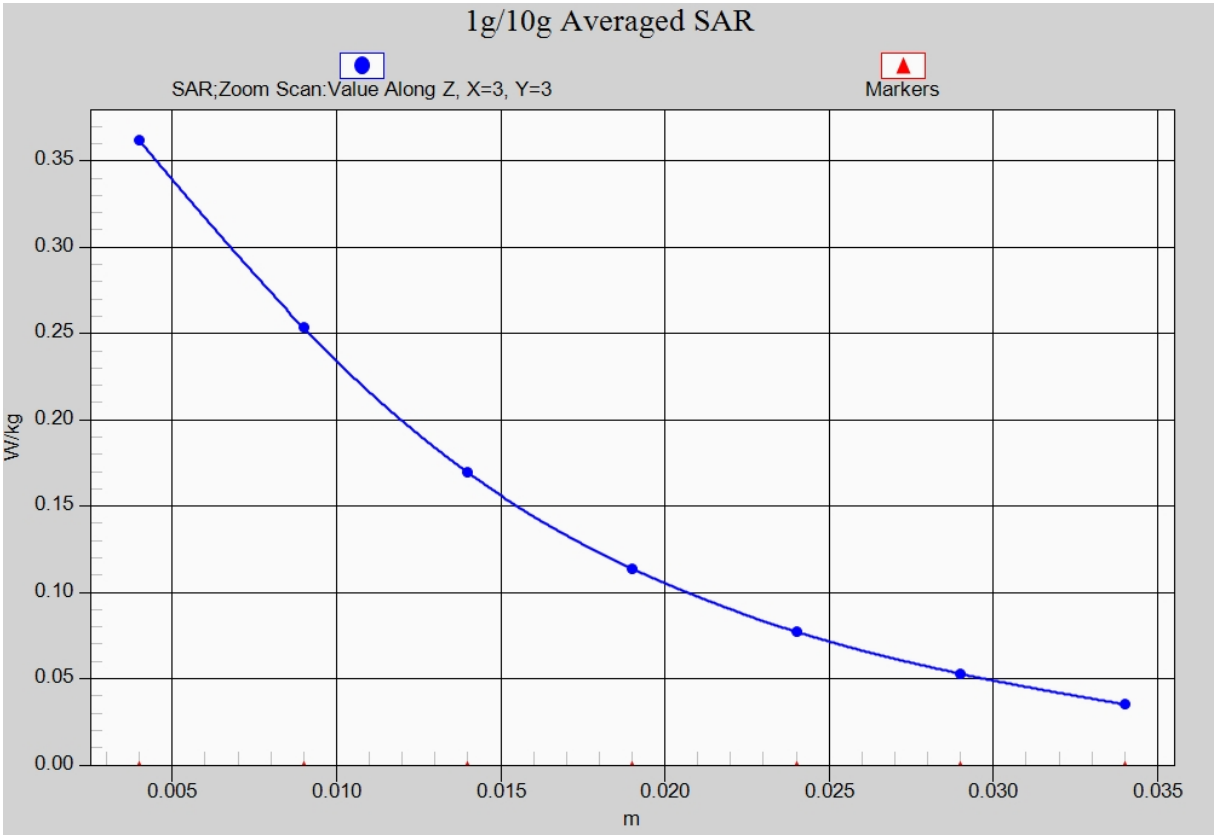


Fig. 10-1 Z-Scan at power reference point (WCDMA1900 CH9400)

WCDMA 1900 Body Front High – AP OFF
Date: 2014-1-23
Electronics: DAE4 Sn771
Medium: Body 1900 MHz
Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.512 mho/m; εr = 51.651; ρ = 1000 kg/m^3
Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C
Communication System: WCDMA 1900 Frequency: 1907.6 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN3846 ConvF(7.03, 7.03, 7.03)

Front High/Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.464 W/kg

Front High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.532 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.526 W/kg
SAR(1 g) = 0.348 W/kg; SAR(10 g) = 0.210 W/kg
Maximum value of SAR (measured) = 0.444 W/kg

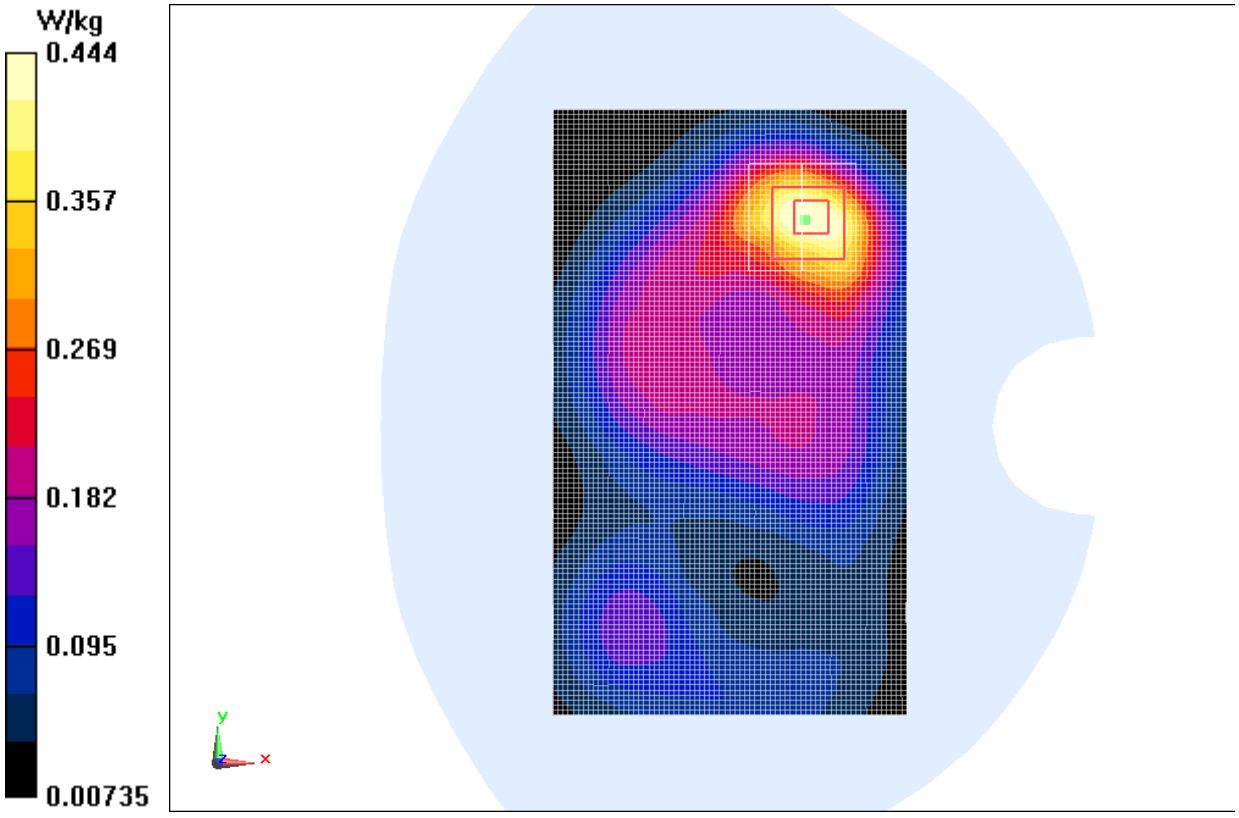


Fig.11 WCDMA1900 CH9538

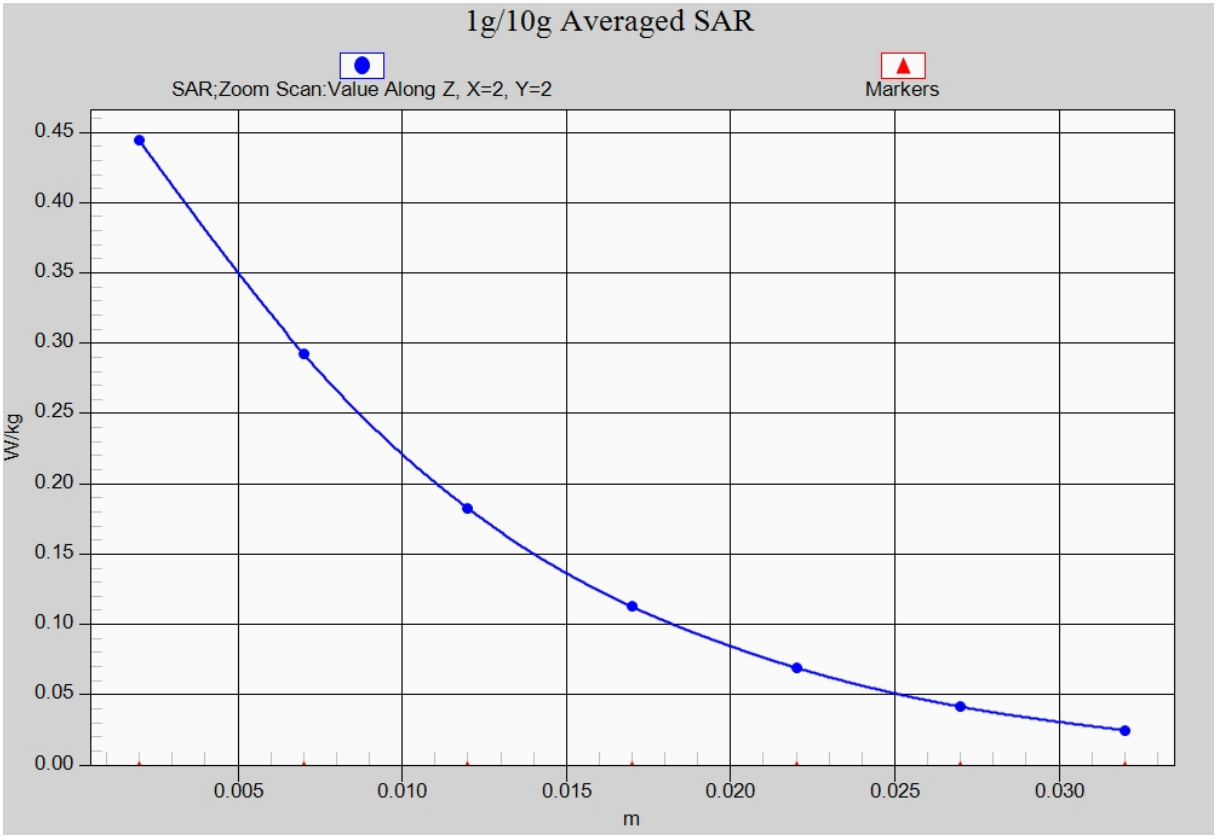


Fig. 11-1 Z-Scan at power reference point (WCDMA1900 CH9538)

WCDMA 1900 Body Front High – AP ON
Date: 2014-1-23
Electronics: DAE4 Sn771
Medium: Body 1900 MHz
Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.512 mho/m; εr = 51.651; ρ = 1000 kg/m^3
Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C
Communication System: WCDMA 1900 Frequency: 1907.6 MHz Duty Cycle: 1:1
Probe: EX3DV4 - SN3846 ConvF(7.03, 7.03, 7.03)

Front High/Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.384 W/kg

Front High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.065 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.441 W/kg
SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.162 W/kg
Maximum value of SAR (measured) = 0.374 W/kg

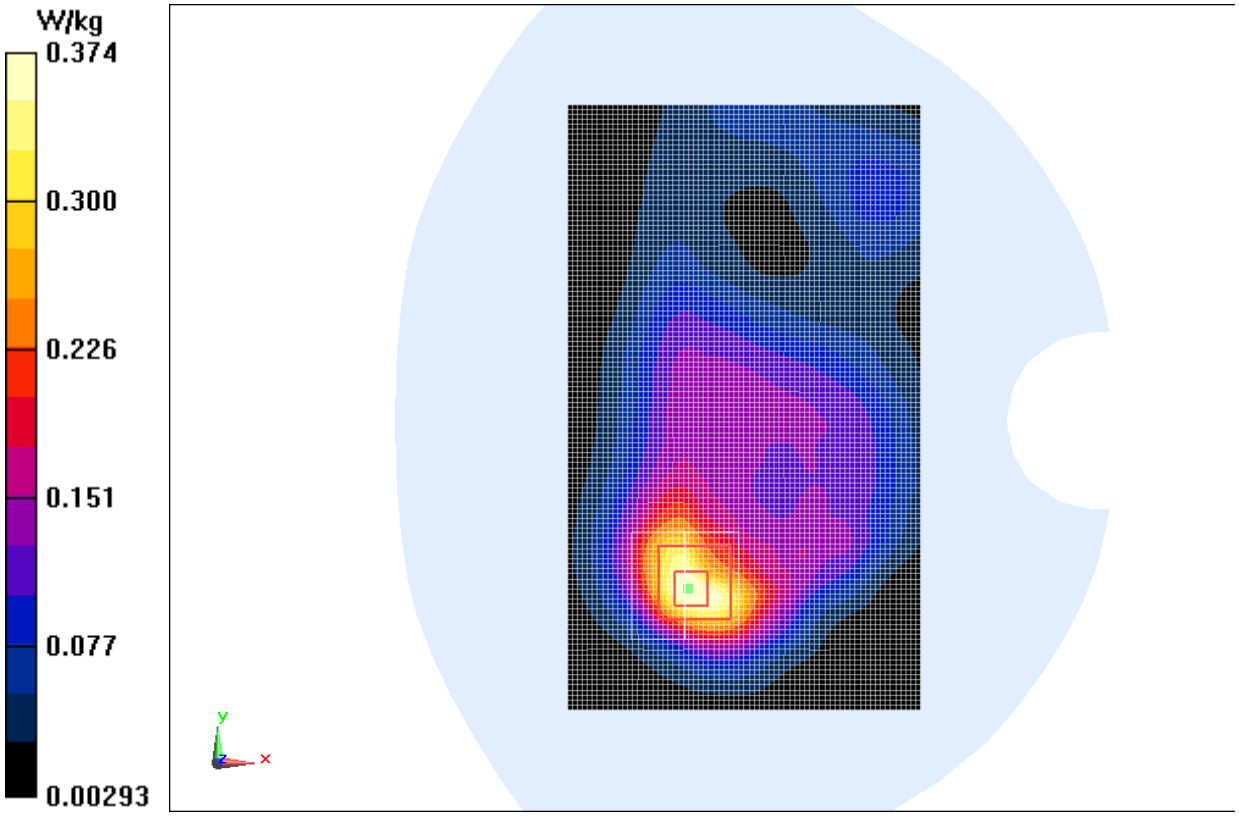


Fig.12 WCDMA1900 CH9538