

2560	21350	50RB_Mid	Right	/	21.48	22	0.131	0.15	0.243	0.27	-0.01
2560	21350	50RB_Mid	Bottom	/	21.48	22	0.381	0.43	0.897	1.01	-0.06
2535	21100	50RB_Mid	Bottom	/	21.24	22	0.46	0.55	0.95	1.13	0.12
2510	20850	50RB_Mid	Bottom	/	20.55	22	0.417	0.58	0.852	1.19	0.11
2560	21350	100RB	Rear	/	21.29	22	0.386	0.45	0.876	1.03	-0.01
2560	21350	100RB	Bottom	/	21.29	22	0.41	0.48	0.974	1.15	0.15
2535	21100	1RB_High	Bottom Headset1	/	22.52	23	0.453	0.51	1.06	1.18	0.16
2535	21100	1RB_High	Bottom Headset2	/	22.52	23	0.428	0.48	1.02	1.14	0.17

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

Note2: The LTE mode is QPSK_20MHz.

Note3: The headset1 is CCB3160A11C4, the headset2 is CCB3160A11C1.

Table 14.2-15: SAR Values (LTE Band13 - Head)

			Aml	bient Tem	perature	e: 22.9°C	Liqui	d Temperat	ture: 22.5°C	2		
Fred	uency			Test	Figure	Conducte	Max. tune-up	Measured	Reported	Measured	Reported	Power
MH z	Ch.	Mode	Side	Position	No.	d Power (dBm)	Power (dBm)	SAR(10g) (W/kg)	SAR(10g) (W/kg)	SAR(1g) (W/kg)	SAR(1g) (W/kg)	Drift (dB)
782	23230	1RB_Low	Left	Touch	Fig.15	22.80	24	0.183	0.24	0.237	0.31	0.04
782	23230	1RB_Low	Left	Tilt	/	22.80	24	0.13	0.17	0.194	0.26	-0.02
782	23230	1RB_Low	Right	Touch	/	22.80	24	0.155	0.20	0.232	0.31	-0.05
782	23230	1RB_Low	Right	Tilt	/	22.80	24	0.126	0.17	0.180	0.24	0.01
782	23230	25RB_High	Left	Touch	/	21.80	23	0.117	0.15	0.175	0.23	0.07
782	23230	25RB_High	Left	Tilt	/	21.80	23	0.095	0.13	0.141	0.19	0.00
782	23230	25RB_High	Right	Touch	/	21.80	23	0.113	0.15	0.170	0.22	-0.04
782	23230	25RB_High	Right	Tilt	/	21.80	23	0.094	0.12	0.134	0.18	0.03

Note1: The LTE mode is QPSK_10MHz.

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

			Ambient ⁻	Tempera	ture: 22.9	°C Liquic	d Temperatu	re: 22.5 °C			
Freq	uency		Test	Figure	Conduct	Max. tune-up	Measured	Reported	Measured	Reported	Power
MHz	Ch.	Mode	Position	No.	ed Power (dBm)	Power (dBm)	SAR(10g) (W/kg)	SAR(10g) (W/kg)	SAR(1g) (W/kg)	SAR(1g) (W/kg)	Drift (dB)
782	23230	1RB_Low	Front	/	22.80	24	0.312	0.41	0.424	0.56	0.10
782	23230	1RB_Low	Rear	Fig.16	22.80	24	0.352	0.46	0.456	0.60	-0.18
782	23230	1RB_Low	Left	/	22.80	24	0.124	0.16	0.188	0.25	0.02
782	23230	1RB_Low	Right	/	22.80	24	0.065	0.09	0.11	0.15	0.12
782	23230	1RB_Low	Bottom	/	22.80	24	0.087	0.11	0.153	0.20	0.02
782	23230	25RB_High	Front	/	21.80	23	0.273	0.36	0.372	0.49	0.06
782	23230	25RB_High	Rear	/	21.80	23	0.324	0.43	0.446	0.59	-0.01
782	23230	25RB_High	Left	/	21.80	23	0.0237	0.03	0.0352	0.05	0.07



782	23230	25RB_High	Right	/	21.80	23	0.053	0.07	0.088	0.12	0.02
782	23230	25RB_High	Bottom	/	21.80	23	0.0467	0.06	0.089	0.12	0.11

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

Note2: The LTE mode is QPSK_10MHz.

Table 14.2-17: SAR Values (LTE Band17 - Head)

			Am	bient Tem	perature	e: 22.9 °C	Liqu	id Tempera	ture: 22.5 °C	C		
Freq	luency			Test	Figuro	Conducte	Max.	Measured	Reported	Measured	Reported	Power
MHz	Ch.	Mode	Side	Position	Figure No.	d Power (dBm)	Power (dBm)	SAR(10g) (W/kg)	SAR(10g) (W/kg)	SAR(1g) (W/kg)	SAR(1g) (W/kg)	Drift (dB)
710	23790	1RB_Low	Left	Touch	/	22.82	24	0.061	0.08	0.09	0.12	-0.03
710	23790	1RB_Low	Left	Tilt	/	22.82	24	0.048	0.06	0.068	0.09	0.05
710	23790	1RB_Low	Right	Touch	Fig.17	22.82	24	0.088	0.12	0.109	0.14	0.06
710	23790	1RB_Low	Right	Tilt	/	22.82	24	0.056	0.07	0.081	0.11	0.01
709	23780	25RB_High	Left	Touch	/	21.78	23	0.057	80.0	0.084	0.11	0.04
709	23780	25RB_High	Left	Tilt	/	21.78	23	0.042	0.06	0.059	0.08	-0.02
709	23780	25RB_High	Right	Touch	/	21.78	23	0.064	0.08	0.096	0.13	-0.05
709	23780	25RB_High	Right	Tilt	/	21.78	23	0.052	0.07	0.076	0.10	-0.08

Note1: The LTE mode is QPSK_10MHz.

Table 14.2-18: SAR Values (LTE Band17 - Body)

	Audit of Toward as 20.00G														
	Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C														
Frequ	uency		Test	Figure	Conducted	Max. tune-up	Measured	Reported	Measured	Reported	Power				
MHz	Ch.	Mode	Position	No.	Power (dBm)	Power (dBm)	SAR(10g) (W/kg)	SAR(10g) (W/kg)	SAR(1g) (W/kg)	SAR(1g) (W/kg)	Drift (dB)				
710	23790	1RB_Low	Front	/	22.82	24	0.104	0.14	0.141	0.19	0.02				
710	23790	1RB_Low	Rear	Fig.18	22.82	24	0.17	0.22	0.22	0.29	-0.04				
710	23790	1RB_Low	Left	/	22.82	24	0.067	0.09	0.099	0.13	0.02				
710	23790	1RB_Low	Right	/	22.82	24	0.048	0.06	0.072	0.09	0.06				
710	23790	1RB_Low	Bottom	/	22.82	24	0.046	0.06	0.076	0.10	-0.01				
709	23780	25RB_High	Front	/	21.78	23	0.093	0.12	0.127	0.17	0.04				
709	23780	25RB_High	Rear	/	21.78	23	0.143	0.19	0.199	0.26	0.02				
709	23780	25RB_High	Left	/	21.78	23	0.038	0.05	0.055	0.07	0.03				
709	23780	25RB_High	Right	/	21.78	23	0.054	0.07	0.079	0.10	0.01				
709	23780	25RB_High	Bottom	/	21.78	23	0.024	0.03	0.04	0.05	0.04				

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

Note2: The LTE mode is QPSK_10MHz.



Table 14.2-19: SAR Values (LTE Band7 - Head) - other batteries

			Α	mbient Te	mperatu	ıre: 22.9°C	Liquid	Temperature	e: 22.5 °C			
Freq	Frequency	Mada	6:1-	Test	Figure	Conducte	Max. tune-up	Measured	Reported	Measured	Reporte d	Powe
MHz	Ch.	Mode	Side	Position	No.	d Power (dBm)	Power (dBm)	SAR(10g) (W/kg)	SAR(10g) (W/kg)	SAR(1g) (W/kg)	SAR(1g) (W/kg)	r Drift (dB)
2560	21350	1RB_High	Left	Touch Battery1	/	22.52	23	0.235	0.26	0.438	0.49	0.04
2560	21350	1RB_High	Left	Touch Battery2	/	22.52	23	0.229	0.26	0.429	0.48	-0.03

Note1: The battery1 is CAB2000041C7, the battery2 is CAB2000013C2.

Table 14.2-20: SAR Values (LTE Band7 - Body) - other batteries

			Ambient	Temper	ature: 22.9 $^{\circ}$	°C Liquio	d Temperati	ure: 22.5 °C	,		
Frequ	iency		Test	Figure	Conducted	Max. tune-up	Measured	Reported	Measured	Reported	Power
	, T	Mode		_	Power		SAR(10g)	SAR(10g)	SAR(1g)	SAR(1g)	Drift
MHz	Ch.		Position	No.	(dBm)	Power (dBm)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(dB)
2525	2535 21100	1RB_High	Rear	,	22.32	23	0.462	0.54	1.03	1.21	0.09
2000	21100	IKb_nigii	Battery1	,	22.32	23	0.462	0.54	1.03	1.21	0.09
2535 2	21100	1DD Lligh	Rear	,	22.32	22	0.471	0.55	1 01	1 10	0.03
	21100	1RB_High	Battery2	/	22.32	23	0.471	0.55	1.01	1.18	0.03

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

Note2: The LTE mode is QPSK_20MHz.

Note3: The battery1 is CAB2000041C7, the battery2 is CAB2000013C2.



14.3 SAR results for Standard procedure

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

Table 14.3-1: SAR Values (GSM 850 MHz Band - Head)

			А	mbient 7	Temperature	e: 22.9°C	Liquid To	emperature: 22.5	5°C		
Freque	ency	Side	Test	Figure	Conducted	Max. tune-up	Measured SAR(10g)	Reported	Measured SAR(1g)	Reported SAR(1g)	Power Drift
MHz	Ch.	Olde	Position	No.	(dBm)	Power (dBm)	(W/kg)	SAR(10g)(W/kg)	(W/kg)	(W/kg)	(dB)
824.2	128	Left	Touch	Fig.1	32.25	33.3	0.217	0.28	0.284	0.36	0.10

Table 14.3-2: SAR Values (GSM 850 MHz Band - Body)

			Ambie	nt Temp	erature: 22.	9°C Liq	uid Tempera	ture: 22.5°	C		
Frequ	ency	Mode	Test	Figure	Conducted	Max. tune-up	Measured	Reported	Measured	Reported	Power
		(number of		No.	Power	Power (dBm)	SAR(10g)	SAR(10g)	SAR(1g)	SAR(1g)	Drift
MHz	Position	NO.	(dBm)	Tower (dBill)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(dB)		
824.2	128	GPRS (1)	Rear	Fig.2	32.27	32.3	0.301	0.30	0.387	0.39	-0.01

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

Table 14.3-3: SAR Values (GSM 1900 MHz Band - Head)

			An	nbient To	emperature:	22.9 °C	Liquid Te	emperature: 22.5	°C		
Freque	ency		T4	F :	Conducted	Max.	Measured	Danantad	Measured	Reported	Power
MHz	Ch.	Side	Test Position	Figure No.	Power (dBm)	tune-up Power (dBm)	SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	SAR(1g) (W/kg)	SAR(1g) (W/kg)	Drift (dB)
1850.2	512	Right	Touch	Fig.3	29.65	30.3	0.0738	0.09	0.117	0.14	-0.03

Table 14.3-4: SAR Values (GSM 1900 MHz Band - Body)

			Ambier	nt Tempe	erature: 22.9	°C Liqu	id Tempera	ture: 22.5°	C		
Freque	Frequency Mode (number of timeslots)	Mode	Test	Figure	Conducted	May tupo up	Measured	Reported	Measured	Reported	Power
		(number of		_	Power	Max. tune-up	SAR(10g)	SAR(10g)	SAR(1g)	SAR(1g)	Drift
MHz		Position	No.	(dBm)	Power (dBm)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(dB)	
1850.2	512	GPRS (4)	Rear	Fig.4	24.48	25	0.546	0.62	1.03	1.16	-0.03

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

Table 14.3-5: SAR Values (WCDMA 850 MHz Band - Head)

			An	nbient To	emperature:	22.9 °C	Liquid Te	emperature: 22.5	°C		
Frequ	iency		Toot	Eiguro	Conducted	Max.	Measured	Papartad	Measured	Reported	Power
MHz	Ch.	Side	Test Position	Figure No.	Power (dBm)	tune-up Power (dBm)	SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	SAR(1g) (W/kg)	SAR(1g) (W/kg)	Drift (dB)
846.6	4233	Left	Touch	Fig.5	23.32	24	0.222	0.26	0.29	0.34	0.14



Table 14.3-6: SAR Values (WCDMA 850 MHz Band - Body)

		,	Ambient	Temperatur	e: 22.9 °C	Liquid Ter	nperature: 2	22.5 °C		
Frequ	uency	Test	Figure	Conducted	Max. tune-up	Measured SAR(10g)	Reported SAR(10g)	Measured SAR(1g)	Reported SAR(1g)	Power Drift
MHz	Ch.	Position	No.	Power	Power (dBm)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(dB)
846.6	4233	Rear	Fig.6	23.32	24	0.309	0.36	0.398	0.47	-0.01

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

Table 14.3-7: SAR Values (WCDMA 1900 MHz Band - Head)

			Am	bient Te	mperature: 2	22.9°C	Liquid Te	mperature: 22.5	°C		
Freque	ency		Tool	F:	Conducted	Max.	Measured	Depended	Measured	Reported	Power
MHz	Ch.	Side		Figure No.	Power (dBm)	tune-up Power (dBm)	SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	SAR(1g) (W/kg)	SAR(1g) (W/kg)	Drift (dB)
1907.6	9538	Right	Touch	Fig.7	23.11	24	0.107	0.13	0.171	0.21	0.12

Table 14.3-8: SAR Values (WCDMA 1900 MHz Band - Body)

		А	mbient ⁻	Temperature	: 22.9 °C	Liquid Ter	nperature:	22.5 °C		
Frequ	encv	Toot	Figure	Conducted	May tupo up	Measured	Reported	Measured	Reported	Power
Frequency	Test	Figure	Power	Max. tune-up	SAR(10g)	SAR(10g)	SAR(1g)	SAR(1g)	Drift	
MHz	Ch.	Position	No.	(dBm)	Power (dBm)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(dB)
1907.6	9538	Bottom	Fig.8	23.11	24	0.56	0.69	1.08	1.33	0.02

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

Table 14.3-9: SAR Values (LTE Band2 - Head)

			Amb	pient Temp	perature	: 22.9 °C	Liqui	d Temperat	ure: 22.5°	2		
Freq	uency			Tast	F:	Conducte	Max.	Measure	Reported	Measured	Reported	Power
MHz	Ch.	Mode	Side	Test Position	Figure No.	d Power (dBm)	Power (dBm)	SAR(10g) (W/kg)	SAR(10g)(W/kg)	SAR(1g) (W/kg)	SAR(1g) (W/kg)	Drift (dB)
1900	19100	1RB_High	Right	Touch	Fig.9	23.06	23.4	0.111	0.12	0.176	0.19	0.12

Note1: The LTE mode is QPSK_20MHz.

Table 14.3-10: SAR Values (LTE Band2 - Body)

			Ambient 7	Tempera	ture: 22.9°C	Liqui	d Temperat	ture: 22.5°0	C		
Freq MHz	uency Ch.	Mode	Test Position	Figure No.	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)
1900	19100	1RB_High	Rear	Fig.10	23.06	23.4	0.605	0.65	1.18	1.28	-0.13

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

Note2: The LTE mode is QPSK_20MHz.



Table 14.3-11: SAR Values (LTE Band4 - Head)

			Am	bient Ten	nperatur	e: 22.9 °C	Liqu	iid Tempera	ature: 22.5 $^{\circ}$	С		
Freq	uency			Test	Figure	Conducte	Max.	Measured	Reported	Measured	Reported	Power
MHz	Ch.	Mode	Side	Position	No.	d Power (dBm)	Power (dBm)	SAR(10g) (W/kg)	SAR(10g) (W/kg)	SAR(1g) (W/kg)	SAR(1g) (W/kg)	Drift (dB)
1745	20300	1RB_Low	Right	Touch	Fig.11	24.08	24.5	0.108	0.12	0.174	0.19	-0.19

Note1: The LTE mode is QPSK_20MHz.

Table 14.3-12: SAR Values (LTE Band4 - Body)

			Ambient 7	Tempera	ture: 22.9 $^\circ$	°C Liquio	d Temperati	ure: 22.5°C	l ,		
Frequ	uency	Mode	Test Position	Figure	Conduct ed Power	Max. tune-up	Measured SAR(10g)	Reported SAR(10g)	Measured SAR(1g)	Reported SAR(1g)	Power Drift
MHz	Ch.		Position	INO.	(dBm)	Power (dBill)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(dB)
1745	20300	1RB_Low	Rear	Fig.12	24.08	24.5	0.626	0.69	1.15	1.27	-0.17

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.3-13: SAR Values (LTE Band7 - Head)

							•		•			
			Α	mbient Te	emperat	ure: 22.9 °C	Lic	quid Tempe	rature: 22.5 °C			
Frequ	uency Ch.	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)
2560	24250	1DD Lligh	Diaht	Touch	Fig 12	22.52	22	0.240	0.00	0.460	0.50	0.46
2560	21350	1RB_High	Right	Touch	Fig.13	22.52	23	0.249	0.28	0.462	0.52	-0.16

Note1: The LTE mode is QPSK_20MHz.

Table 14.3-14: SAR Values (LTE Band7 - Body)

			Ambient Te	mperatu	re: 22.9 °C	Liqui	d Temperat	ure: 22.5°	C					
Freq	uency		Test	Figure	Conducted	Max. tune-up	Measured	Reported	Measured	Reported	Power			
MHz	Ch.	Mode	Position	No.	Power (dBm)	Power (dBm)	SAR(10g) (W/kg)	SAR(10g) (W/kg)	SAR(1g) (W/kg)	SAR(1g) (W/kg)	Drift (dB)			
2535	21100	1RB_High	Bottom	Fig.14	22.32	23	0.515	0.60	1.15	1.35	0.03			

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

Note2: The LTE mode is QPSK_20MHz.



Table 14.3-15: SAR Values (LTE Band13 - Head)

			Am	bient Tem	perature	e: 22.9°C	Liqui	id Temperat	ure: 22.5 °C	1		
Freq	luency			Test	Figur	Conducte	Max. tune-up	Measured	Reported	Measured	Reported	Power
MHz	Ch.	Mode	Side	Position	e No.	d Power (dBm)	Power (dBm)	SAR(10g) (W/kg)	SAR(10g) (W/kg)	SAR(1g) (W/kg)	SAR(1g) (W/kg)	Drift (dB)
782	23230	1RB_Low	Left	Touch	Fig.15	22.80	24	0.183	0.24	0.237	0.31	0.04

Note1: The LTE mode is QPSK_10MHz.

Table 14.3-16: SAR Values (LTE Band13 - Body)

			Ambient 7	Tempera	ature: 22.9	°C Liquio	d Temperatu	re: 22.5 °C			
Freq	uency	Manda	Test	Figure	Conduct	Max. tune-up	Measured	Reported	Measured	Reported	Power
MHz	Ch.	Mode	Position	No.	ed Power (dBm)	Power (dBm)	SAR(10g) (W/kg)	SAR(10g) (W/kg)	SAR(1g) (W/kg)	SAR(1g) (W/kg)	Drift (dB)
782	23230	1RB_Low	Rear	Fig.16	22.80	24	0.352	0.46	0.456	0.60	-0.18

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

Note2: The LTE mode is QPSK_10MHz.

Table 14.3-17: SAR Values (LTE Band17 - Head)

			Am	bient Tem	peratur	e: 22.9°C	Liquid Temperature: 22.5 °C					
Freq MHz	Ch.	Mode	Side	Test Position	Figur e No.	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)
710	23790	1RB_Low	Right	Touch	Fig.17	22.82	24	0.088	0.12	0.109	0.14	0.06

Note1: The LTE mode is QPSK_10MHz.

Table 14.3-18: SAR Values (LTE Band17 - Body)

				Ambient 7	Tempera	ture: 22.9°C	Liquid Temperature: 22.5 °C					
	Frequ		Mode	Test Position	Figure No.	Conducted Power	Max. tune-up Power	Measured SAR(10g)	Reported SAR(10g)	Measured SAR(1g)	Reported SAR(1g)	Power Drift
I	ИHz	Ch.				(dBm)	(dBm)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(dB)
	710	23790	1RB_Low	Rear	Fig.18	22.82	24	0.17	0.22	0.22	0.29	-0.04

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

Note2: The LTE mode is QPSK_10MHz.



14.4 WLAN Evaluation

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

Head Evaluation

Table 14.4-1: SAR Values (WLAN - Head) - 802.11b 5.5Mbps (Fast SAR)

	Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C													
Freque	ency		Test	Figure	Conducted	Max. tune-up	Measured	Reported	Measured	Reported	Power			
MHz Ch		Side	Position		Power	Power (dBm)	SAR(10g)	SAR(10g)	SAR(1g)	SAR(1g)	Drift			
MHz	Ch.		Position	No.	(dBm)	Power (abiii)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(dB)			
2437	6	Left	Touch	/	19.92	20	0.038	0.04	0.068	0.07	0.12			
2437	6	Left	Tilt	/	19.92	20	0.037	0.04	0.069	0.07	0.02			
2437	6	Right	Touch	/	19.92	20	0.0565	0.06	0.109	0.11	0.06			
2437	6	Right	Tilt	/	19.92	20	0.049	0.05	0.106	0.11	-0.01			

As shown above table, the <u>initial test position</u> for head is "Right Cheek". So the head SAR of WLAN is presented as below:

Table 14.4-2: SAR Values (WLAN - Head) - 802.11b 5.5Mbps (Full SAR)

			Amb	ient Ten	nperature: 2	2.9 °C L	iquid Tempe	erature: 22.	5°C		
Frequ	Frequency		Test	Figure	Conducted	Max. tune-up	Measured	Reported	Measured	Reported	Power
MHz	Ch.	Side	Position	No.	Power (dBm)	Power (dBm)	SAR(10g) (W/kg)	SAR(10g) (W/kg)	SAR(1g) (W/kg)	SAR(1g) (W/kg)	Drift (dB)
2437	6	Right	Touch	Fig.19	19.92	20	0.0552	0.06	0.12	0.12	0.13

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

Note2: For all positions/configurations tested using the <u>initial test position</u> and subsequent test positions, when the <u>reported</u> 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 <u>reported</u> 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 1Mbps (Scaled Reported SAR)

		Ambier	nt Temperat	ure: 22.9°C	Liquid Te	mperature: 22.5	°C	
Freque	ency	Side	Test	Actual duty	maximum	Reported SAR	Scaled reported SAR (1g) (W/kg)	
MHz	Ch.	O.GO	Position	factor	duty factor	(1g) (W/kg)		
2437	6	Right	Touch	98.25%	100%	0.12	0.12	

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



Body Evaluation

Table 14.4-4: SAR Values (WLAN - Body) - 802.11b 5.5Mbps (Fast SAR)

		Aı	mbient T	emperature:	22.9 °C	Liquid Tem	perature: 2	22.5 °C		
Freque	encv	Test	Figure	Conducted	Max. tune-up	Measured	Reported	Measured	Reported	Power
		Position		Power		SAR(10g)	SAR(10g)	SAR(1g)	SAR(1g)	Drift
MHz	Ch.	Position	No.	(dBm)	Power (dbiii)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(dB)
2437	6	Front	/	19.92	20	0.0247	0.03	0.044	0.04	0.14
2437	6	Rear	/	19.92	20	0.121	0.12	0.266	0.27	-0.05
2437	6	Left	/	19.92	20	0.0546	0.06	0.112	0.11	0.15
2437	6	Тор	/	19.92	20	0.0475	0.05	0.0982	0.10	-0.12

As shown above table, the <u>initial test position</u> for body is "Rear". So the body SAR of WLAN is presented as below:

Table 14.4-5: SAR Values (WLAN - Body) - 802.11b 5.5Mbps (Full SAR)

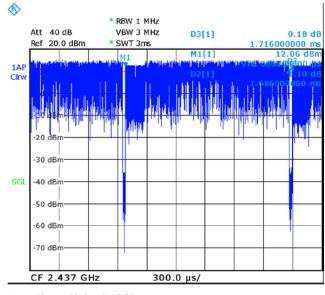
			Aı	mbient T	emperature:	22.9°C	Liquid Tem	perature: 2	22.5 °C		
Ī	Frequency		Test	Figure			Measured	Reported	Measured	Reported	Power
L				Figure	Power	Max. tune-up	SAR(10g)	SAR(10g)	SAR(1g)	SAR(1g)	Drift
	MHz	Ch.	Position	No.	(dBm)	Power (dBm)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(dB)
	2437	6	Rear	Fig.20	19.92	20	0.134	0.14	0.283	0.29	-0.05

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 1Mbps (Scaled Reported SAR)

		Ambient Ter	nperature: 22.9	°C Liquid	d Temperature: 22	.5°C
Freque	ency	Test	Actual duty	maximum duty	Reported SAR	Scaled reported SAR
MHz	Ch.	Position	factor	factor	(1g) (W/kg)	(1g) (W/kg)
2437	6	Rear	98.25%	100%	0.29	0.30

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



Date: 23.JAN.2016 10:46:52

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 (~ 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)

Freque	Frequency		Specing	Original	First	The	Second
MHz	Ch.	Test Position	Spacing (mm)	SAR (W/kg)	Repeated SAR (W/kg)	Ratio	Repeated SAR (W/kg)
1850.2	512	Rear	10	1.03	1.02	1.01	1

Table 15.2: SAR Measurement Variability for Body WCDMA1900 (1g)

Frequ	ency	Tost	Spacing	Spacing Original First		The	Second
MHz	Ch.	- Test Position	Spacing (mm)	SAR (W/kg)	Repeated SAR (W/kg)	Ratio	Repeated SAR (W/kg)
1907.6	9938	Bottom	10	1.08	1.07	1.01	1

Table 15.3: SAR Measurement Variability for Body LTE Band 2 (1g)

Freq	uency	Toot	Specing	Original	First	The	Second
MHz	Ch.	Test Position	Spacing (mm)	SAR (W/kg)	Repeated SAR (W/kg)	Ratio	Repeated SAR (W/kg)
1900	19100	Rear	15	1.18	1.16	1.02	1

Table 15.4: SAR Measurement Variability for Body LTE Band 4 (1g)

Freq	uency	Toet	Spacing	Original	First	The	Second
MHz	Ch.	Test Position	(mm)	SAR (W/kg)	Repeated SAR (W/kg)	Ratio	Repeated SAR (W/kg)
1745	20300	Rear	10	1.15	1.14	1.01	1

Table 15.5: SAR Measurement Variability for Body LTE Band 7 (1a)

Freq	uency	Toot	Specing	Original	First	The	Second
MHz	Ch.	Test Position	Spacing (mm)	SAR (W/kg)	Repeated SAR (W/kg)	The Ratio	Repeated SAR (W/kg)
2535	21100	Bottom	10	1.15	1.14	1.01	1



16 Measurement Uncertainty

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

16.1 Measurement Uncertainty for Normal SAR Tests (300MHz~3GHz)										
No.	Error Description	Type	Uncertainty	Probably	Div.	(Ci)	(Ci)	Std.	Std.	Degree
			value	Distribution		1g	10g	Unc.	Unc.	of
								(1g)	(10g)	freedo
										m
Mea	surement system								•	
1	Probe calibration	В	5.5	N	1	1	1	5.5	5.5	∞
2	Isotropy	В	4.7	R	$\sqrt{3}$	0.7	0.7	1.9	1.9	∞
3	Boundary effect	В	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
4	Linearity	В	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞
5	Detection limit	В	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
6	Readout electronics	В	0.3	R	$\sqrt{3}$	1	1	0.3	0.3	∞
7	Response time	В	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
8	Integration time	В	2.6	R	$\sqrt{3}$	1	1	1.5	1.5	∞
9	RF ambient conditions-noise	В	0	R	$\sqrt{3}$	1	1	0	0	8
10	RF ambient conditions-reflection	В	0	R	$\sqrt{3}$	1	1	0	0	8
11	Probe positioned mech. restrictions	В	0.4	R	$\sqrt{3}$	1	1	0.2	0.2	8
12	Probe positioning with respect to phantom shell	В	2.9	R	$\sqrt{3}$	1	1	1.7	1.7	∞
13	Post-processing	В	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
			Test	sample related	i				•	
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	В	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	8
			Phan	tom and set-u	p					
17	Phantom uncertainty	В	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
18	Liquid conductivity (target)	В	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)	В	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
_	anded uncertainty fidence interval of	ı	$u_e = 2u_c$					18.5	18.2	
16.	2 Measurement Ui	ncerta	inty for No	rmal SAR	Tests	(3~6	GHz)			
No.	Error Description	Type	Uncertainty	Probably	Div.	(Ci)	(Ci)	Std.	Std.	Degree
			value	Distribution		1g	10g	Unc.	Unc.	of
								(1g)	(10g)	freedo m
Mea	surement system									111
1	Probe calibration	В	6.5	N	1	1	1	6.5	6.5	∞
2	Isotropy	В	4.7	R	$\sqrt{3}$	0.7	0.7	1.9	1.9	∞
3	Boundary effect	В	2.0	R	$\sqrt{3}$	1	1	1.2	1.2	∞
4	Linearity	В	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞
5	Detection limit	В	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
6	Readout electronics	В	0.3	R	$\sqrt{3}$	1	1	0.3	0.3	∞
7	Response time	В	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
8	Integration time	В	2.6	R	$\sqrt{3}$	1	1	1.5	1.5	∞
9	RF ambient conditions-noise	В	0	R	$\sqrt{3}$	1	1	0	0	∞
10	RF ambient conditions-reflection	В	0	R	$\sqrt{3}$	1	1	0	0	∞
11	Probe positioned mech. restrictions	В	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
12	Probe positioning with respect to phantom shell	В	6.7	R	$\sqrt{3}$	1	1	3.9	3.9	∞
13	Post-processing	В	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
			Test	sample related	1					
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	В	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
	•		Phan	tom and set-u	p					•
17	Phantom uncertainty	В	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
18	Liquid conductivity (target)	В	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	8
19	Liquid conductivity (meas.)	A	2.06	N	1	0.64	0.43	1.32	0.89	43
			•	•						



20	Liquid permittivity (target)	В	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
_	anded uncertainty fidence interval of	ı	$u_e = 2u_c$					21.6	21.4	

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

No.	Error Description	Type	Uncertainty	Probably	Div.	(Ci)	(Ci)	Std.	Std.	Degree
			value	Distribution		1g	10g	Unc.	Unc.	of
								(1g)	(10g)	freedo
										m
Mea	surement system									
1	Probe calibration	В	5.5	N	1	1	1	5.5	5.5	8
2	Isotropy	В	4.7	R	$\sqrt{3}$	0.7	0.7	1.9	1.9	8
3	Boundary effect	В	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
4	Linearity	В	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞
5	Detection limit	В	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	8
6	Readout electronics	В	0.3	R	$\sqrt{3}$	1	1	0.3	0.3	8
7	Response time	В	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	8
8	Integration time	В	2.6	R	$\sqrt{3}$	1	1	1.5	1.5	8
9	RF ambient conditions-noise	В	0	R	$\sqrt{3}$	1	1	0	0	8
10	RF ambient conditions-reflection	В	0	R	$\sqrt{3}$	1	1	0	0	8
11	Probe positioned mech. Restrictions	В	0.4	R	$\sqrt{3}$	1	1	0.2	0.2	8
12	Probe positioning with respect to phantom shell	В	2.9	R	$\sqrt{3}$	1	1	1.7	1.7	8
13	Post-processing	В	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
14	Fast SAR z-Approximation	В	7.0	R	$\sqrt{3}$	1	1	4.0	4.0	8
			Test	sample related	l					
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	В	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞



			Phant	tom and set-uj	p					
18	Phantom uncertainty	В	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	8
19	Liquid conductivity (target)	В	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)	В	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	8
22	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	1.0	0.8	521
(Combined standard uncertainty		$\sqrt{\sum_{i=1}^{22} c_i^2 u_i^2}$					10.1	9.95	257
(conf	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	Probably	Div.	(Ci)	(Ci)	Std.	Std.	Degree			
			value	Distribution		1g	10g	Unc.	Unc.	of			
								(1g)	(10g)	freedo			
										m			
Meas	Measurement system												
1	Probe calibration	В	6.5	N	1	1	1	6.5	6.5	∞			
2	Isotropy	В	4.7	R	$\sqrt{3}$	0.7	0.7	1.9	1.9	8			
3	Boundary effect	В	2.0	R	$\sqrt{3}$	1	1	1.2	1.2	8			
4	Linearity	В	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞			
5	Detection limit	В	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞			
6	Readout electronics	В	0.3	R	$\sqrt{3}$	1	1	0.3	0.3	8			
7	Response time	В	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	8			
8	Integration time	В	2.6	R	$\sqrt{3}$	1	1	1.5	1.5	8			
9	RF ambient conditions-noise	В	0	R	$\sqrt{3}$	1	1	0	0	8			
10	RF ambient conditions-reflection	В	0	R	$\sqrt{3}$	1	1	0	0	8			
11	Probe positioned mech. Restrictions	В	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	8			
12	Probe positioning with respect to phantom shell	В	6.7	R	$\sqrt{3}$	1	1	3.9	3.9	8			
13	Post-processing	В	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	8			
14	$\begin{array}{cc} Fast & SAR \\ z\text{-}Approximation \end{array}$	В	14.0	R	$\sqrt{3}$	1	1	8.1	8.1	8			
			Test s	sample related	l								



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	В	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
	Phantom and set-up									
18	Phantom uncertainty	В	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
19	Liquid conductivity (target)	В	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)	В	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	8
22	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	1.0	0.8	521
Combined standard uncertainty $u_c = \sqrt{\sum_{i=1}^{22} c_i^2 t}$								13.3	13.2	257
_	anded uncertainty fidence interval of	ı	$u_e = 2u_c$					26.6	26.4	

17 MAIN TEST INSTRUMENTS

Table 17.1: List of Main Instruments

No.	Name	Туре	Serial Number	Calibration Date	Valid Period		
01	Network analyzer	E5071C	MY46110673	February 03, 2015	One year		
02	Power meter	NRVD	102196	March 02, 2015	One year		
03	Power sensor	NRV-Z5	100596	March 03, 2015	One year		
04	Signal Generator	E4438C	MY49071430	February 02, 2015	One Year		
05	Amplifier	60S1G4	0331848	No Calibration Requested			
06	BTS	E5515C	MY50263375	January 30, 2015	One year		
07	BTS	CMW500	129942	March 03, 2015	One year		
80	E-field Probe	SPEAG EX3DV4	3617	August 26, 2015	One year		
09	DAE	SPEAG DAE4	777	August 26, 2015	One year		
10	Dipole Validation Kit	SPEAG D750V3	1017	July 23, 2015	One year		
11	Dipole Validation Kit	SPEAG D835V2	4d069	July 23, 2015	One year		
12	Dipole Validation Kit	SPEAG D1750V2	1003	July 16, 2015	One year		
13	Dipole Validation Kit	SPEAG D1900V2	5d101	July 23, 2015	One year		
14	Dipole Validation Kit	SPEAG D2450V2	853	July 24, 2015	One year		
15	Dipole Validation Kit	SPEAG D2600V2	1012	July 24, 2015	One year		

END OF REPORT BODY



ANNEX A Graph Results

850 Left Cheek Low

Date: 2016-1-21

Electronics: DAE4 Sn777 Medium: Head 850 MHz

Medium parameters used (interpolated): f = 824.2 MHz; $\sigma = 0.911$ mho/m; $\epsilon r = 41.384$; $\rho = 0.911$

 1000 kg/m^3

Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C

Communication System: GSM 850 Frequency: 824.2 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 - SN3617 ConvF(9.56, 9.56, 9.56)

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

Maximum value of SAR (interpolated) = 0.304 W/kg

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

Reference Value = 8.072 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.372 W/kg

SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.217 W/kg

Maximum value of SAR (measured) = 0.317 W/kg

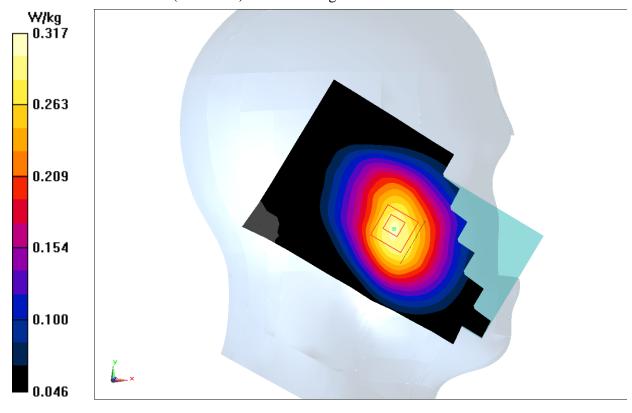


Fig.1 850MHz



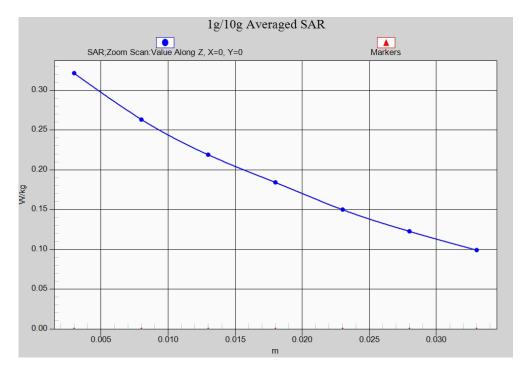


Fig. 1-1 Z-Scan at power reference point (850 MHz)



850 Body Rear Low

Date: 2016-1-21

Electronics: DAE4 Sn777 Medium: Body 850 MHz

Medium parameters used (interpolated): f = 824.2 MHz; $\sigma = 0.973$ mho/m; $\epsilon r = 56.485$; $\rho =$

 1000 kg/m^3

Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 824.2 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 - SN3617 ConvF(9.71, 9.71, 9.71)

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

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

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

Reference Value = 20.27 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.483 W/kg

SAR(1 g) = 0.387 W/kg; SAR(10 g) = 0.301 W/kg

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

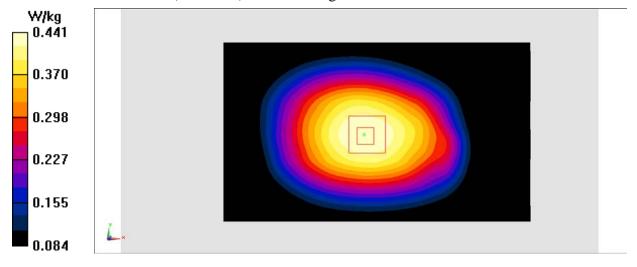


Fig.2 850 MHz



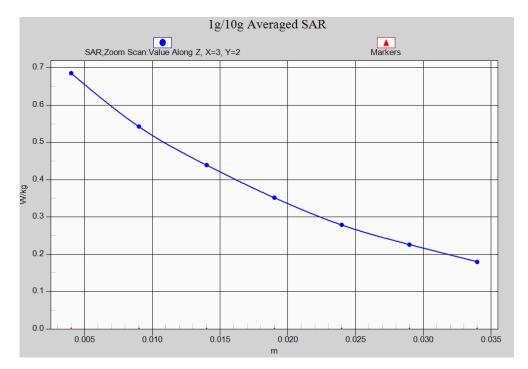


Fig. 2-1 Z-Scan at power reference point (850 MHz)



1900 Right Cheek Low

Date: 2016-1-23

Electronics: DAE4 Sn777 Medium: Head 1900 MHz

Medium parameters used: f = 1850.2 MHz; $\sigma = 1.289 \text{ mho/m}$; $\epsilon r = 40.332$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz Frequency: 1850.2 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 - SN3617 ConvF(8.07, 8.07, 8.07)

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

Maximum value of SAR (interpolated) = 0.138 W/kg

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

Reference Value = 4.148 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.173 W/kg

SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.074 W/kgMaximum value of SAR (measured) = 0.127 W/kg

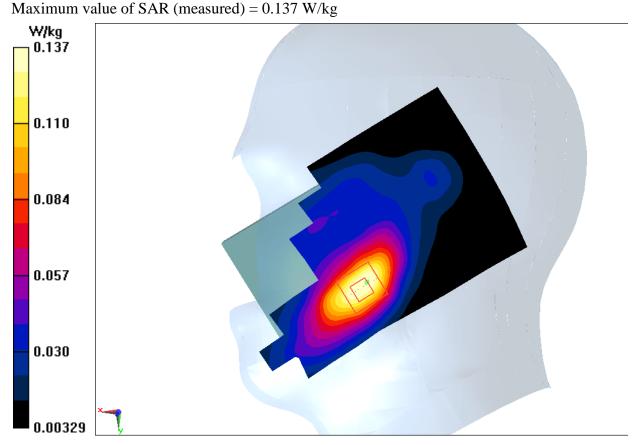


Fig.3 1900 MHz



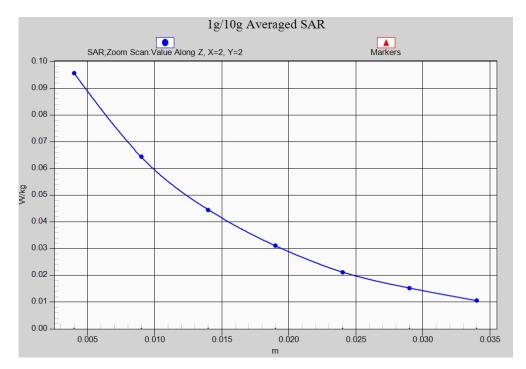


Fig. 3-1 Z-Scan at power reference point (1900 MHz)



1900 Body Rear Low

Date: 2016-1-23

Electronics: DAE4 Sn777 Medium: Body 1900 MHz

Medium parameters used: f = 1850.2 MHz; $\sigma = 1.463 \text{ mho/m}$; $\epsilon r = 53.033$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz GPRS Frequency: 1850.2 MHz Duty Cycle: 1:2

Probe: EX3DV4 - SN3617 ConvF(7.74, 7.74, 7.74)

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

Maximum value of SAR (interpolated) = 1.16 W/kg

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

Reference Value = 8.353 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.78 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.546 W/kg

Maximum value of SAR (measured) = 1.17 W/kg



Fig.4 1900 MHz



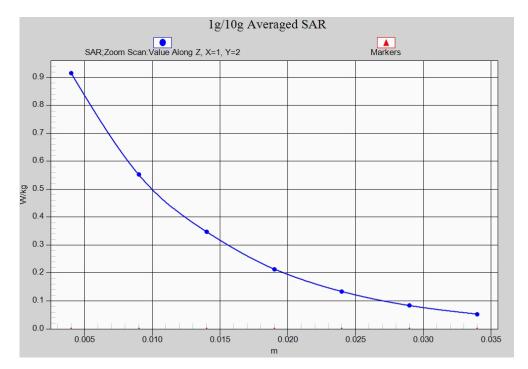


Fig. 4-1 Z-Scan at power reference point (1900 MHz)



WCDMA 850 Left Cheek High

Date: 2016-1-21

Electronics: DAE4 Sn777 Medium: Head 850 MHz

Medium parameters used (interpolated): f = 846.6 MHz; $\sigma = 0.911$ mho/m; $\epsilon r = 40.995$; $\rho = 0.911$ mho/m; $\epsilon r = 40.995$; $\epsilon r = 40.995$

 1000 kg/m^3

Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C

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

Probe: EX3DV4 - SN3617 ConvF(9.56, 9.56, 9.56)

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

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

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

Reference Value = 7.560 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.388 W/kg

SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.222 W/kg

Maximum value of SAR (measured) = 0.328 W/kg

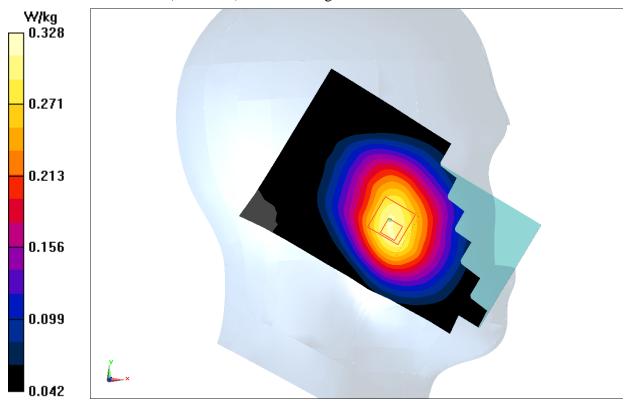


Fig.5 WCDMA 850



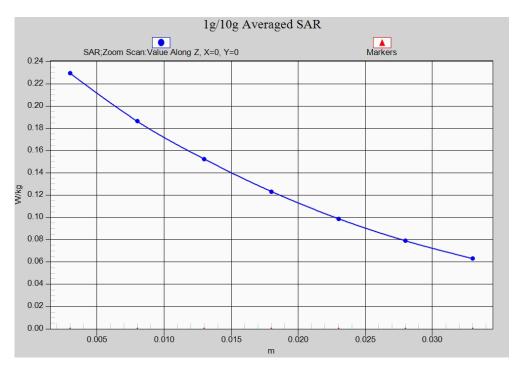


Fig. 5-1 Z-Scan at power reference point (1900 MHz)



WCDMA 850 Body Rear High

Date: 2016-1-21

Electronics: DAE4 Sn777 Medium: Body 850 MHz

Medium parameters used (interpolated): f = 846.6 MHz; $\sigma = 0.984$ mho/m; $\epsilon r = 56.252$; $\rho =$

 1000 kg/m^3

Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C

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

Probe: EX3DV4 - SN3617 ConvF(9.71, 9.71, 9.71)

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

Maximum value of SAR (interpolated) = 0.436 W/kg

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

Reference Value = 20.24 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.489 W/kg

SAR(1 g) = 0.398 W/kg; SAR(10 g) = 0.309 W/kg

Maximum value of SAR (measured) = 0.417 W/kg

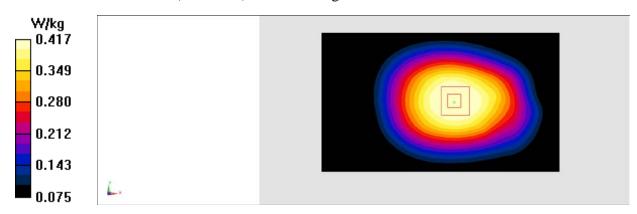


Fig.6 WCDMA 850



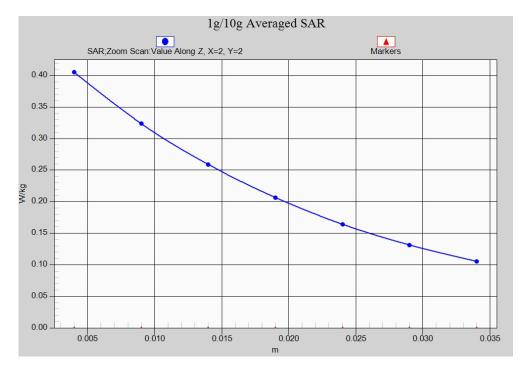


Fig. 6-1 Z-Scan at power reference point (WCDMA850)