

1		1			
	11	2462 MHz		15.00	14.21
	6	2437 MHz	MCS0	15.00	14.65
	1	2412 MHz		15.00	13.77
	11	2462 MHz		/	/
	6	2437 MHz	MCS1	15.00	14.56
	1	2412 MHz		/	/
	11	2462 MHz		/	/
	6	2437 MHz	MCS2	15.00	14.51
	1	2412 MHz	WOOZ	/	/
				/	/
	11	2462 MHz	MCCO	/	/
000.44	6	2437 MHz	MCS3	15.00	14.41
802.11n	1	2412 MHz		/	/
20M	11	2462 MHz		/	/
	6	2437 MHz	MCS4	15.00	14.29
	1	2412 MHz		/	/
	11	2462 MHz		/	/
	6	2437 MHz	MCS5	15.00	14.36
	1	2412 MHz		/	/
	11	2462 MHz		/	/
	6	2437 MHz	MCS6	15.00	14.30
	1	2412 MHz		/	/
	11	2462 MHz		/	/
	6	2437 MHz	MCS7	15.00	14.07
	1		IVICOT	/	/
		2412 MHz			
	9	2462 MHz	14000	13.00	12.39
	6	2437 MHz	MCS0	13.00	12.87
	3	2412 MHz		13.00	12.54
	9	2462 MHz		/	/
	6	2437 MHz	MCS1	13.00	12.74
	3	2412 MHz		/	/
	9	2462 MHz		/	/
	6	2437 MHz	MCS2	13.00	12.24
	3	2412 MHz		/	/
	9	2462 MHz		/	/
	6	2437 MHz	MCS3	13.00	12.32
802.11n	3	2412 MHz		/	/
40M	9	2462 MHz			/
.5.77	6	2437 MHz	MCS4	13.00	12.12
	3	2412 MHz	141004	/	/
	9	2462 MHz		/	/
			MCS5		
	6	2437 MHz	IVICSS	13.00	11.85
	3	2412 MHz		/	/
	9	2462 MHz		/	/
	6	2437 MHz	MCS6	13.00	11.58
	3	2412 MHz		/	/
	9	2462 MHz		/	/
	6	2437 MHz	MCS7	13.00	11.46
	3	2412 MHz		/	/

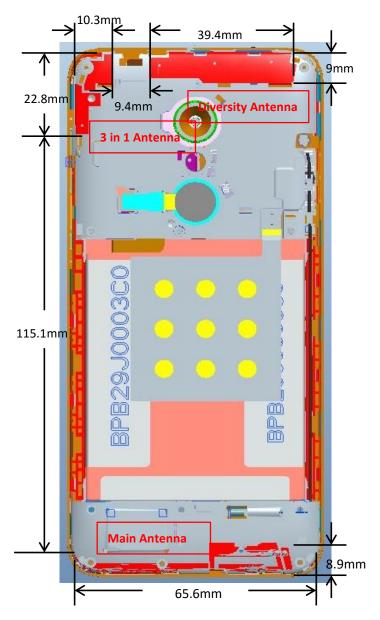


12 Simultaneous TX SAR Considerations

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.

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)] \cdot [$\sqrt{f(GHz)}$] ≤ 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

			SAR test	RF outpu		
Band/Mode	F(GHz)	Position	exclusion threshold (mW)	dBm	mW	SAR test exclusion
Dluctooth	2.441	Head	9.6	7	5.01	Yes
Bluetooth	2.441	Body	9.6	7	5.01	Yes
2.4CHz W/I AN 902.11 b	2.45	Head	9.58	17	50.12	No
2.4GHz WLAN 802.11 b	∠.45	Body	9.58	17	50.12	No



13 Evaluation of Simultaneous

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

	Position	Main antenna	WiFi	Sum
Highest reported SAR value for Head	Left hand, Touch cheek	0.70	0.73	1.43
Highest reported SAR value for Body	Rear	1.15	0.13	1.28

Table 13.2: The sum of reported SAR values for main antenna and BT

	Position	Main antenna	ВТ	Sum
Maximum reported	Left hand, Touch cheek	0.70	0.21	0.91
SAR value for Head	Left Haria, Todell Gricek	0.70	0.21	0.51
Maximum reported	Rear	1.15	0.10	1.25
SAR value for Body	Neai	1.15	0.10	1.20

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

Table 13.3: Estimated SAR for Bluetooth

Mode/Band	E (CU=)	F (GHz) Position		Upper limit	Estimated _{1g}	
Wiode/Barid	r (GHZ)	Position	(mm)	dBm	mW	(W/kg)
Bluetooth	2.441	Head	5	7	5.01	0.21
Bluetooth	2.441	Body	10	7	5.01	0.10

^{* -} 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)]·[$\sqrt{f(GHz)/x}$] W/kg for test separation distances \leq 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 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:

Reported SAR = 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.

Mode	Duty Cycle
Speech for GSM850/1900	1:8.3
GPRS&EGPRS for GSM850	1:2
GPRS&EGPRS for GSM1900	1:4
WCDMA<E	1:1

14.1 Evaluation of multi-batteries

Note: B1: CAC2900007C1 B2: CAC2900009C7

We'll perform the head measurement in all bands with the primary battery depending on the evaluation of multi-batteries retest on highest value point with other battery. Then, repeat the measurement in the Body test.

frequ	iency	Mode/Band	Side	Position	PottoryTypo	1g SAR	PowerDrift
MHz	Channel	WIOUE/Danu	Side	Position	BatteryType	(W/kg)	PowerDill
2437	6	WLAN2450	Right	Cheek	CAC2900007C1	0.318	0.08
2437	6	WLAN2450	Right	Cheek	CAC2900009C7	0.316	-0.04

Note: According to the values in the above table, the battery, B1, is the primary

battery. We'll perform the head measurement with this battery and retest on highest value point

	with	others.
--	------	---------

frequ	iency	Mada/Band	ode/Band Position		1g SAR	DowerDrift	
MHz	Channel	wode/band	Position	BatteryType	(W/kg)	PowerDrift	
2437	6	WLAN2450	Rear	CAC2900007C1	0.118	-0.05	
2437	6	WLAN2450	Rear	CAC2900009C7	0.114	0.04	

Note: According to the values in the above table, the battery, B1, is the primary

battery. We'll perform the Body measurement with this battery and retest on highest value point with others.



14.2 SAR results

Note: H1: CCB0046A10C1 H2: CCB0046A10C4

Table 14-1 GSM850 #1 Head

	GSM850 #1 Head										
Ambient Te	emperature:		22.2			Liquid Temperature:		22.3			
	Device	SAR		ured SAR [\			orted SAR [V				
Mode	orientation	measurement	CH251	CH190	CH128	CH251	CH190	CH128			
							836.6 MHz				
	Tu	ne-up	33.30	33.30	33.30		Scaling factor	**			
	Slot Average	e Power [dBm]	32.56	32.61	32.59	1.18	1.17	1.18			
		1g SAR		0.229			0.27				
	Left Cheek	10g SAR		0.18			0.21				
		Deviation		0.04			0.04				
		1g SAR		0.165			0.19				
GSM	Left Tilt	10g SAR		0.127			0.15				
GSW		Deviation		-0.08			-0.08				
		1g SAR	0.316	0.278	0.28	0.37	0.33	0.33			
	Right Cheek	10g SAR	0.237	0.207	0.211	0.28	0.24	0.25			
		Deviation	0.03	0.01	0.02	0.03	0.01	0.02			
		1g SAR		0.198			0.23				
	Right Tilt	10g SAR		0.154			0.18				
		Deviation		0.05			0.05				
GSM		1g SAR	0.307			0.36					
B2	Right Cheek	10g SAR	0.231			0.27					
DZ		Deviation	0.03			0.03					

Table 14-2 GSM850 #1 Body

			00	M050 #4 D - d				
A T .		00.0	GS	M850 #1 Body		Liquid Tomporatura		
Ambient 16	Ambient Temperature: 22.2		M	d. OAD D	A/// 7	Liquid Temperature: 22.3		
Mode	Device	SAR	CH251	ured SAR [\ CH190	W/Kgj CH128	CH251	orted SAR [V I CH190	//kgj CH128
IVIOGE	orientation	measurement		836.6 MHz			836.6 MHz	
	Tu	ne-up	27.50	27.50	27.50		Scaling factor	
		e Power [dBm]	27.07	27.05	26.96	1.10	1.11	1.13
		1g SAR		0.432			0.48	
	Front	10g SAR		0.35			0.39	
		Deviation		0.11			0.11	
		1g SAR	0.48	0.471	0.461	0.53	0.52	0.52
	Rear	10g SAR	0.368	0.362	0.358	0.41	0.40	0.41
GPRS 4		Deviation	-0.08	0.02	-0.11	-0.08	0.02	-0.11
Txslots		1g SAR		0.086			0.10	
1 231013	Left edge	10g SAR		0.059			0.07	
		Deviation		0.05			0.05	
		1g SAR		0.287			0.32	
	Right edge	10g SAR		0.213			0.24	
		Deviation		0.09			0.09	
		1g SAR		0.101			0.11	
	Bottom edge	10g SAR		0.062			0.07	
		Deviation		0.12			0.12	
	Tune-up		27.50	27.50	27.50		Scaling factor	_
EGPRS	Slot Average	e Power [dBm]	27.03	27.04	26.95	1.11	1.11	1.14
GMSK 4		1g SAR	0.463			0.52		
Txslots	Rear	10g SAR	0.358			0.40		
		Deviation	0.04			0.04		
GPRS 4		1g SAR	0.453			0.50		
Txslots	Rear	10g SAR	0.35			0.39		
B2		Deviation	0.17			0.17		



Table 14-3 PCS1900 #1 Head

			PCS	S1900 #1 Hea	d			
Ambient Te	emperature:		22.	2		Liquid Ter	mperature:	22.3
	Device	SAR	Measured SAR [W/kg]			Reported SAR [W/kg]		
Mode	orientation	measurement	CH810	CH661	CH512	CH810	CH661	CH512
			1909.8	1880 MHz		1909.8	1880 MHz	1850.2
	Tu	ne-up	30.30	30.30	30.30		Scaling factor	. *
	Slot Average	e Power [dBm]	29.51	29.53	29.54	1.20	1.19	1.19
		1g SAR	0.182	0.214	0.258	0.22	0.26	0.31
	Left Cheek	10g SAR	0.112	0.134	0.162	0.13	0.16	0.19
	Lett Officer	Deviation	0.14	0.02	0.06	0.14	0.02	0.06
		1g SAR		0.112			0.13	
GSM	Left Tilt	10g SAR		0.068			0.08	
GSW		Deviation		-0.11			-0.11	
		1g SAR		0.186			0.22	
	Right Cheek	10g SAR		0.115			0.14	
		Deviation		0.15			0.15	
		1g SAR		0.068			0.08	
	Right Tilt	10g SAR		0.042			0.05	
		Deviation		0.08			0.08	
GSM		1g SAR			0.201			0.24
B2	Left Cheek	10g SAR			0.129			0.15
BZ		Deviation			0.12			0.12

Table 14-4 PCS1900 #1 Body

			PC	S1900 #1 Body	у			
Ambient Te	emperature:	22.2				Liquid Ter	mperature:	22.3
	Device	SAR		sured SAR [\			orted SAR [V	
Mode	orientation	measurement	CH810	CH661	CH512	CH810	CH661	CH512
			1909.8	1880 MHz	1850.2	1909.8	1880 MHz	1850.2
		ne-up	28.00	28.00	28.00		Scaling factor	
	Slot Average	e Power [dBm]	27.30	27.25	27.26	1.18	1.19	1.19
		1g SAR		0.353			0.42	
	Front	10g SAR		0.225			0.27	
		Deviation		0.05			0.05	
		1g SAR	0.319	0.392	0.505	0.37	0.47	0.60
	Rear	10g SAR	0.183	0.258	0.335	0.22	0.31	0.40
GPRS 2		Deviation	0.08	-0.02	-0.09	0.08	-0.02	-0.09
Txslots		1g SAR		0.155			0.18	
TASIOIS	Left edge	10g SAR		0.094			0.11	
		Deviation		0.16			0.16	
		1g SAR		0.13			0.15	
	Right edge	10g SAR		0.077			0.09	
		Deviation		0.05			0.05	
		1g SAR		0.255			0.30	
	Bottom edge	10g SAR		0.151			0.18	
		Deviation		0.13			0.13	
	Tu	ne-up	28.00	28.00	28.00	,	Scaling factor	. *0
EGPRS	Slot Average	e Power [dBm]	27.26	27.24	27.25	1.19	1.19	1.19
GMSK 2		1g SAR			0.428			0.51
Txslots	Rear	10g SAR			0.283			0.34
		Deviation			0.09			0.09
GPRS 2		1g SAR			0.488			0.58
Txslots	Rear	10g SAR			0.321			0.38
B2		Deviation			0.1			0.10



Table 14-5 WCDMA1900-BII #1Head

			WCDI	MA1900-BII #1F	lead			
Ambient Te	emperature:	22.2				Liquid Ten	nperature:	22.3
	Device	SAR	AR Measured SAR [W/kg]			Reported SAR [W/kg]		
Mode	orientation	measurement	CH9538	CH9400	CH9262	CH9538	CH9400	CH9262
			1907.6 MHz			1907.6 MHz		1852.4 MHz
	Tur	ne-up	24.00	24.00	24.00		Scaling factor	**
	Slot Average	e Power [dBm]	23.60	23.67	23.75	1.10	1.08	1.06
		1g SAR		0.443			0.48	
	Left Cheek	10g SAR		0.263			0.28	
	Edit Officer	Deviation		80.0			0.08	
		1g SAR		0.267			0.29	
RMC	Left Tilt	10g SAR		0.154			0.17	
RIVIC		Deviation		-0.09			-0.09	
		1g SAR	0.527	0.499	0.486	0.58	0.54	0.51
	Right Cheek	10g SAR	0.315	0.273	0.267	0.35	0.29	0.28
		Deviation	0.19	0.07	0.08	0.19	0.07	0.08
		1g SAR		0.224			0.24	
	Right Tilt	10g SAR		0.128			0.14	
		Deviation		0.11			0.11	
RMC		1g SAR	0.505			0.55		
B2	Right Cheek	10g SAR	0.299			0.33		
52		Deviation	0.08			0.08		

Table 14-6 WCDMA1900-BII #1Body

	Table 14 0 Weblin 1300 Bit #1Body							
			WCDI	MA1900-BII #1E	Body			
Ambient Te	emperature:	22.2				Liquid Ten	nperature:	22.3
	Device	SAR	Meas	sured SAR [V	V/kg]	Reported SAR [W/kg]		
Mode	orientation	measurement	CH9538	CH9400	CH9262	CH9538	CH9400	CH9262
	Unentation	measurement	1907.6 MHz	1880 MHz	1852.4 MHz	1907.6 MHz	1880 MHz	1852.4 MHz
	Tur	ne-up	24.00	24.00	24.00		Scaling factor	
	Slot Average Power [dBm]		23.60	23.67	23.75	1.10	1.08	1.06
		1g SAR		0.559			0.60	
	Front	10g SAR		0.332			0.36	
		Deviation		0.09			0.09	
		1g SAR	0.57	0.635	0.568	0.62	0.69	0.60
	Rear	10g SAR	0.266	0.349	0.265	0.29	0.38	0.28
		Deviation	-0.04	-0.19	0.01	-0.04	-0.19	0.01
RMC		1g SAR		0.315			0.34	
	Left edge	10g SAR		0.163			0.18	
		Deviation		0.18			0.18	
		1g SAR		0.188			0.20	
	Right edge	10g SAR		0.1			0.11	
		Deviation		0.04			0.04	
		1g SAR		0.465			0.50	
	Bottom edge	10g SAR		0.24			0.26	
		Deviation		-0.09			-0.09	
RMC		1g SAR		0.591			0.64	
B2	Rear	10g SAR		0.326			0.35	
<u> </u>		Deviation		0.01			0.01	



Table 14-7 WCDMA1700-BIV #1Head

			WCDM	IA1700-BIV #1F	lead			
Ambient Te	emperature:	22.2				Liquid Ter	mperature:	22.3
	Device	SAR	Measured SAR [W/kg]			Reported SAR [W/kg]		
Mode	orientation	measurement	CH1513	CH1412	CH1312	CH1513	CH1412	CH1312
							1732.4 MHz	
	Tui	ne-up	24.00	24.00	24.00		Scaling factor	•
	Slot Average	e Power [dBm]	23.52	23.55	23.57	1.12	1.11	1.10
		1g SAR		0.393			0.44	
	Left Cheek	10g SAR		0.222			0.25	
		Deviation		0.12			0.12	
		1g SAR		0.142			0.16	
RMC	Left Tilt	10g SAR		0.085			0.09	
RIVIC		Deviation		0.08			0.08	
		1g SAR	0.436	0.411	0.362	0.49	0.46	0.40
	Right Cheek	10g SAR	0.275	0.234	0.208	0.31	0.26	0.23
		Deviation	0.14	0.03	0.04	0.14	0.03	0.04
		1g SAR		0.158			0.18	
	Right Tilt	10g SAR		0.095			0.11	
		Deviation		0.09			0.09	
RMC		1g SAR	0.426			0.48		
B2	Right Cheek	10g SAR	0.265			0.30		
DZ.		Deviation	0.11			0.11		

Table 14-8 WCDMA1700-BIV #1Body

	Table 14-0 WCDMAT700-DIV #1Dody							
			WCDM	1A1700-BIV #1E	Body			
Ambient To	emperature:	22.2				Liquid Ter	mperature:	22.3
	Device	SAR	Measured SAR [W/kg]		Reported SAR [W/kg]			
Mode	orientation	measurement	CH1513	CH1412	CH1312	CH1513	CH1412	CH1312
	Officiation	measurement	1752.6 MHz	1732.4 MHz	1712.4 MHz	1752.6 MHz	1732.4 MHz	1712.4 MHz
	Tui	ne-up	24.00	24.00	24.00		Scaling factor	•
	Slot Average Power [dBm]		23.52	23.55	23.57	1.12	1.11	1.10
		1g SAR		0.627			0.70	
	Front	10g SAR		0.422			0.47	
		Deviation		0.08			0.08	
	1g SAR	1g SAR	0.703	0.736	0.689	0.79	0.82	0.76
	Rear	10g SAR	0.472	0.495	0.464	0.53	0.55	0.51
		Deviation	0.03	-0.09	0.06	0.03	-0.09	0.06
RMC		1g SAR		0.308			0.34	
	Left edge	10g SAR		0.188			0.21	
		Deviation		0.03			0.03	
		1g SAR		0.101			0.11	
	Right edge	10g SAR		0.063			0.07	
		Deviation		0.17			0.17	
		1g SAR		0.351			0.39	
	Bottom edge	10g SAR		0.206			0.23	
		Deviation		0.05			0.05	
PMC		1g SAR		0.698			0.77	
RMC B2	Rear	10g SAR		0.474			0.53	
62		Deviation		0.08			0.08	



Table 14-9 WCDMA850-BV #1Head

	WCDMA850-BV #1Head								
Ambient To	emperature:	22.2				Liquid Ter	mperature:	22.3	
	Device	SAR		sured SAR [V		Reported SAR [W/kg]			
Mode		measurement	CH4233	CH4182	CH4132	CH4233	CH4182	CH4132	
	Officiation	measurement	846.6 MHz	835.4 MHz	826.4 MHz	846.6 MHz	835.4 MHz	826.4 MHz	
	Tun	ie-up	24.00	24.00	24.00	:	Scaling factor	*	
	Slot Average	Power [dBm]	23.41	23.41	23.42	1.15	1.15	1.14	
		1g SAR		0.269			0.31		
	Left Cheek	10g SAR		0.203			0.23		
	Leit Officek	Deviation		0.02			0.02		
		1g SAR		0.208			0.24		
RMC	Left Tilt	10g SAR		0.162			0.19		
RIVIC		Deviation		0.07			0.07		
		1g SAR	0.302	0.322	0.336	0.35	0.37	0.38	
	Right Cheek	10g SAR	0.205	0.241	0.25	0.23	0.28	0.29	
		Deviation	0.01	-0.11	0.09	0.01	-0.11	0.09	
		1g SAR		0.223			0.26		
	Right Tilt	10g SAR		0.174			0.20		
		Deviation		0.04			0.04		
RMC		1g SAR			0.329			0.38	
B2	Right Cheek	10g SAR			0.243			0.28	
		Deviation			0.04			0.04	

Table 14-10 WCDMA850-BV #1Body

			WCD	MA850-BV #1E	Body			
Ambient Te	emperature:	22.2				Liquid Ter	mperature:	22.3
	Device	SAR	Measured SAR [W/kg]			Reported SAR [W/kg]		
Mode		measurement	CH4233	CH4182	CH4132	CH4233	CH4182	CH4132
			846.6 MHz				835.4 MHz	
		e-up	24.00 23.41	24.00	24.00 23.42		Scaling factor	
	Slot Average	Power [dBm]	23.41	23.41	23.42	1.15	1.15	1.14
		1g SAR		0.386			0.44	
	Front	10g SAR		0.298			0.34	
		Deviation		0.08			0.08	
		1g SAR	0.483	0.503	0.492	0.55	0.58	0.56
	Rear	10g SAR	0.366	0.387	0.375	0.42	0.44	0.43
		Deviation	0.14	-0.01	-0.18	0.14	-0.01	-0.18
RMC		1g SAR		0.321			0.37	
	Left edge	10g SAR		0.224			0.26	
		Deviation		0.06			0.06	
		1g SAR		0.457			0.52	
	Right edge	10g SAR		0.334			0.38	
		Deviation		0.11			0.11	
		1g SAR		0.182			0.21	
	Bottom edge	10g SAR		0.099			0.11	
		Deviation		0.05			0.05	
DMC		1g SAR		0.49			0.56	
RMC B2	Rear	10g SAR		0.371			0.42	
DZ		Deviation		0.09			0.09	



Table 14-11 LTE1900-FDD2 #1 Head

			LTE1	900-FDD2 #1	Head			
Ambient Te	emperature:	22.2				Liquid Ter	mperature:	22.3
	Desiden	SAR	Meas	sured SAR [\	N/kg]	Rep	orted SAR [V	V/kg]
Mode	Device	measureme	19100	18900	18700	19100	18900	18700
	orientation	nt	М	М	М	М	М	М
		e-up	24.50	24.50	24.50	· ·	Scaling factor	
	Measured F	Power [dBm]	23.33	23.26	23.26	1.31	1.33	1.33
		1g SAR	0.535			0.70		
	Left Cheek	10g SAR	0.33			0.43		
		Deviation	-0.05			-0.05		
		1g SAR	0.22			0.29		
20MHz	Left Tilt	10g SAR	0.136			0.18		
QPSK1RB		Deviation	0.07			0.07		
		1g SAR	0.493			0.65		
	Right Cheek	10g SAR	0.295			0.39		
		Deviation	0.12			0.12		
		1g SAR	0.185			0.24		
	Right Tilt	10g SAR	0.111			0.15		
		Deviation	0.09			0.09		
	ъ.	SAR	Meas	sured SAR [N/kg]	Rep	orted SAR [V	V/kg]
TRUE	Device orientation	measureme	19100	18900	18700	19100	18900	18700
		nt	М	M	М	М	M	М
	Tune-up		23.50	23.50	23.50	,	Scaling factor	.
	Measured F	Power [dBm]	22.17	22.21	22.23	1.36	1.35	1.34
		1g SAR			0.417			0.56
	Left Cheek	10g SAR			0.259			0.35
		Deviation			-0.11			-0.11
20MHz		1g SAR			0.167			0.22
ZUIVII IZ				100000000000000000000000000000000000000	0.167			U.L.L
OPSK50%	Left Tilt	10g SAR			0.107			0.14
QPSK50%	Left Tilt	10g SAR Deviation						
QPSK50% RB	Left Tilt				0.107			0.14
_	Left Tilt Right Cheek	Deviation 1g SAR			0.107 0.07			0.14 0.07
_		Deviation 1g SAR			0.107 0.07 0.365			0.14 0.07 0.49
		Deviation 1g SAR 10g SAR			0.107 0.07 0.365 0.219			0.14 0.07 0.49 0.29
		Deviation 1g SAR 10g SAR Deviation			0.107 0.07 0.365 0.219 0.02			0.14 0.07 0.49 0.29 0.02
	Right Cheek	Deviation 1g SAR 10g SAR Deviation 1g SAR			0.107 0.07 0.365 0.219 0.02 0.168			0.14 0.07 0.49 0.29 0.02 0.22
	Right Cheek Right Tilt	Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR	Meas	sured SAR [0.107 0.07 0.365 0.219 0.02 0.168 0.101 0.04	Rep	orted SAR [v	0.14 0.07 0.49 0.29 0.02 0.22 0.14 0.04
	Right Cheek	Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation	Meas	sured SAR [t	0.107 0.07 0.365 0.219 0.02 0.168 0.101 0.04	Repo	orted SAR [V	0.14 0.07 0.49 0.29 0.02 0.22 0.14 0.04
RB	Right Cheek Right Tilt Device orientation	Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation SAR measureme			0.107 0.07 0.365 0.219 0.02 0.168 0.101 0.04 W/kg]	19100		0.14 0.07 0.49 0.29 0.02 0.22 0.14 0.04 W/kg]
Mode 20MHz	Right Cheek Right Tilt Device orientation Tun	Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation SAR measureme nt	19100	18900	0.107 0.07 0.365 0.219 0.02 0.168 0.101 0.04 W/kg]	19100	18900	0.14 0.07 0.49 0.29 0.02 0.22 0.14 0.04 W/kg]
Mode 20MHz QPSK100%	Right Cheek Right Tilt Device orientation Tun	Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation SAR measureme nt e-up	19100 23.50	18900 23.50	0.107 0.07 0.365 0.219 0.02 0.168 0.101 0.04 W/kg] 18700	19100	18900 Scaling factor	0.14 0.07 0.49 0.29 0.02 0.22 0.14 0.04 W/kg]
Mode 20MHz	Right Cheek Right Tilt Device orientation Tun	Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation SAR measureme nt e-up Power [dBm]	19100 23.50	18900 23.50	0.107 0.07 0.365 0.219 0.02 0.168 0.101 0.04 W/kg] 18700	19100	18900 Scaling factor	0.14 0.07 0.49 0.29 0.02 0.22 0.14 0.04 W/kg]
Mode 20MHz QPSK100%	Right Cheek Right Tilt Device orientation Tun Measured F	Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation SAR measureme nt e-up Power [dBm] 1g SAR	19100 23.50	18900 23.50	0.107 0.07 0.365 0.219 0.02 0.168 0.101 0.04 W/kg] 18700	19100	18900 Scaling factor	0.14 0.07 0.49 0.29 0.02 0.22 0.14 0.04 W/kg]
Mode 20MHz QPSK100%	Right Cheek Right Tilt Device orientation Tun Measured F	Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation SAR measureme nt e-up Power [dBm] 1g SAR 10g SAR Deviation 1g SAR 10g SAR	19100 23.50 22.05 0.525	18900 23.50	0.107 0.07 0.365 0.219 0.02 0.168 0.101 0.04 W/kg] 18700	19100 5 1.40 0.69	18900 Scaling factor	0.14 0.07 0.49 0.29 0.02 0.22 0.14 0.04 W/kg]
Mode 20MHz QPSK100% RB	Right Cheek Right Tilt Device orientation Tun Measured F	Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation SAR measureme nt e-up Power [dBm] 1g SAR 10g SAR Deviation	19100 23.50 22.05	18900 23.50	0.107 0.07 0.365 0.219 0.02 0.168 0.101 0.04 W/kg] 18700	19100	18900 Scaling factor	0.14 0.07 0.49 0.29 0.02 0.22 0.14 0.04 W/kg]



Table 14-12 LTE1900-FDD2 #1 Body

	LTE1900-FDD2 #1 Body								
Ambient Te	mperature:	22.2				Liquid Ter	mperature:	22.3	
		SAR	Meas	sured SAR [\	N/kg]	Rep	orted SAR [V	V/kg]	
Mode	Device	measureme	19100	18900	18700	19100	18900	18700	
	orientation	nt	М	М	М	М	М	М	
	Tun	e-up	24.50	24.50	24.50		Scaling factor	r*	
	Measured F	ower [dBm]	23.33	23.26	23.26	1.31	1.33	1.33	
		1g SAR	0.604			0.79			
	Front	10g SAR	0.423			0.55			
		Deviation	0.08			0.08			
		1g SAR	0.709	0.693	0.679	0.93	0.92	0.90	
	Rear	10g SAR	0.46	0.448	0.441	0.60	0.60	0.59	
		Deviation	-0.09	0.16	0.02	-0.09	0.16	0.02	
20MHz		1g SAR	0.299			0.39			
QPSK1RB	Left edge	10g SAR	0.168			0.22			
		Deviation	0.11			0.11			
		1g SAR	0.212			0.28			
	Right edge	10g SAR	0.126			0.17			
		Deviation	0.05			0.05			
		1g SAR	0.483			0.63			
	Bottom edge	10g SAR	0.278			0.36			
		Deviation	-0.04			-0.04			
		SAR		sured SAR [N/kg]		orted SAR [V	V/kg]	
Mode	Device	measureme	19100	18900	18700	19100	18900	18700	
Wode	orientation	nt				10100	10000	10700	
	Tun		M 22.50	M 22.50	M 22.50		Cooling factor		
		e-up	23.50	23.50	23.50		Scaling factor		
	Measured F	Power [dBm] 1g SAR	22.17	22.21	22.23	1.36	1.35	1.34	
		TO SAR							
	- .	_			0.587			0.79	
	Front	10g SAR			0.389			0.52	
	Front	10g SAR Deviation			0.389 0.07			0.52 0.07	
		10g SAR Deviation 1g SAR	0.632	0.654	0.389 0.07 0.648	0.86	0.88	0.52 0.07 0.87	
20MH <i>></i>	Front Rear	10g SAR Deviation 1g SAR 10g SAR	0.408	0.411	0.389 0.07 0.648 0.415	0.55	0.55	0.52 0.07 0.87 0.56	
20MHz		10g SAR Deviation 1g SAR 10g SAR Deviation			0.389 0.07 0.648 0.415 0.12			0.52 0.07 0.87 0.56 0.12	
QPSK50%	Rear	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR	0.408	0.411	0.389 0.07 0.648 0.415 0.12 0.22	0.55	0.55	0.52 0.07 0.87 0.56 0.12 0.29	
		10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation	0.408	0.411	0.389 0.07 0.648 0.415 0.12 0.22 0.13	0.55	0.55	0.52 0.07 0.87 0.56 0.12 0.29 0.17	
QPSK50%	Rear	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation	0.408	0.411	0.389 0.07 0.648 0.415 0.12 0.22 0.13 -0.09	0.55	0.55	0.52 0.07 0.87 0.56 0.12 0.29 0.17	
QPSK50%	Rear Left edge	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR Deviation 1g SAR	0.408	0.411	0.389 0.07 0.648 0.415 0.12 0.22 0.13 -0.09 0.146	0.55	0.55	0.52 0.07 0.87 0.56 0.12 0.29 0.17 -0.09 0.20	
QPSK50%	Rear	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR	0.408	0.411	0.389 0.07 0.648 0.415 0.12 0.22 0.13 -0.09 0.146 0.089	0.55	0.55	0.52 0.07 0.87 0.56 0.12 0.29 0.17 -0.09 0.20 0.12	
QPSK50%	Rear Left edge	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR	0.408	0.411	0.389 0.07 0.648 0.415 0.12 0.22 0.13 -0.09 0.146 0.089 0.1	0.55	0.55	0.52 0.07 0.87 0.56 0.12 0.29 0.17 -0.09 0.20 0.12 0.10	
QPSK50%	Rear Left edge Right edge	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR 10g SAR	0.408	0.411	0.389 0.07 0.648 0.415 0.12 0.22 0.13 -0.09 0.146 0.089 0.1 0.343	0.55	0.55	0.52 0.07 0.87 0.56 0.12 0.29 0.17 -0.09 0.20 0.12 0.10 0.46	
QPSK50%	Rear Left edge	10g SAR Deviation 1g SAR 10g SAR 10g SAR 10g SAR 10g SAR	0.408	0.411	0.389 0.07 0.648 0.415 0.12 0.22 0.13 -0.09 0.146 0.089 0.1 0.343 0.197	0.55	0.55	0.52 0.07 0.87 0.56 0.12 0.29 0.17 -0.09 0.20 0.12 0.10 0.46 0.26	
QPSK50%	Rear Left edge Right edge	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation	0.408	0.411	0.389 0.07 0.648 0.415 0.12 0.22 0.13 -0.09 0.146 0.089 0.1 0.343 0.197 0.14	0.55	0.55	0.52 0.07 0.87 0.56 0.12 0.29 0.17 -0.09 0.20 0.12 0.10 0.46 0.26 0.14	
QPSK50% RB	Rear Left edge Right edge	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation SAR	0.408 -0.07	0.411	0.389 0.07 0.648 0.415 0.12 0.22 0.13 -0.09 0.146 0.089 0.1 0.343 0.197 0.14	0.55 -0.07	0.55 0.09	0.52 0.07 0.87 0.56 0.12 0.29 0.17 -0.09 0.20 0.12 0.10 0.46 0.26 0.14	
QPSK50%	Rear Left edge Right edge Bottom edge	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Measureme	0.408	0.411	0.389 0.07 0.648 0.415 0.12 0.22 0.13 -0.09 0.146 0.089 0.1 0.343 0.197 0.14	0.55	0.55	0.52 0.07 0.87 0.56 0.12 0.29 0.17 -0.09 0.20 0.12 0.10 0.46 0.26 0.14	
QPSK50% RB	Rear Left edge Right edge Bottom edge Device orientation	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation SAR Deviation SAR measureme nt	0.408 -0.07 	0.411 0.09 Sured SAR [0	0.389 0.07 0.648 0.415 0.12 0.22 0.13 -0.09 0.146 0.089 0.1 0.343 0.197 0.14 ///kgl	0.55 -0.07 	0.55 0.09 orted SAR [V	0.52 0.07 0.87 0.56 0.12 0.29 0.17 -0.09 0.20 0.12 0.10 0.46 0.26 0.14 Wkgl	
QPSK50% RB Mode	Rear Left edge Right edge Bottom edge Device orientation Tun	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR tog SAR Deviation SAR measureme nt e-up	0.408 -0.07 Meas 19100	0.411 0.09 sured SAR [N 18900	0.389 0.07 0.648 0.415 0.12 0.22 0.13 -0.09 0.146 0.089 0.1 0.343 0.197 0.14 //kg] 18700 23.50	0.55 -0.07 	0.55 0.09 orted SAR [V 18900	0.52 0.07 0.87 0.56 0.12 0.29 0.17 -0.09 0.20 0.12 0.10 0.46 0.26 0.14 Wkgl	
QPSK50% RB Mode	Rear Left edge Right edge Bottom edge Device orientation Tun	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation	0.408 -0.07 	0.411 0.09 Sured SAR [0	0.389 0.07 0.648 0.415 0.12 0.22 0.13 -0.09 0.146 0.089 0.1 0.343 0.197 0.14 //kg] 18700 23.50 22.24	0.55 -0.07 	0.55 0.09 orted SAR [V	0.52 0.07 0.87 0.56 0.12 0.29 0.17 -0.09 0.20 0.12 0.10 0.46 0.26 0.14 Wkgl 18700	
QPSK50% RB Mode 20MHz QPSK100%	Rear Left edge Right edge Bottom edge Device orientation Tun Measured F	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 3g SAR Deviation SAR measureme nt e-up Power [dBm]	0.408 -0.07 Meas 19100	0.411 0.09 sured SAR [N 18900	0.389 0.07 0.648 0.415 0.12 0.22 0.13 -0.09 0.146 0.089 0.1 0.343 0.197 0.14 ///kg] 18700 23.50 22.24 0.474	0.55 -0.07 	0.55 0.09 orted SAR [V 18900	0.52 0.07 0.87 0.56 0.12 0.29 0.17 -0.09 0.20 0.12 0.10 0.46 0.26 0.14 //kgl 18700 ** 1.34 0.63	
QPSK50% RB Mode	Rear Left edge Right edge Bottom edge Device orientation Tun	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Tog SAR Deviation 1g SAR 10g SAR Deviation SAR measureme nt e-up Cower [dBm] 1g SAR 10g SAR	0.408 -0.07 Meas 19100	0.411 0.09 sured SAR [N 18900	0.389 0.07 0.648 0.415 0.12 0.22 0.13 -0.09 0.146 0.089 0.1 0.343 0.197 0.14 //kgl 18700 23.50 22.24 0.474 0.276	0.55 -0.07 	0.55 0.09 orted SAR [V 18900	0.52 0.07 0.87 0.56 0.12 0.29 0.17 -0.09 0.20 0.12 0.10 0.46 0.26 0.14 V/kgl 18700 1.34 0.63 0.37	
Mode 20MHz QPSK100% RB	Rear Left edge Right edge Bottom edge Device orientation Tun Measured F	10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation SAR measureme nt e-up Power [dBm] 1g SAR 10g SAR Deviation	0.408 -0.07 Meas 19100 23.50 22.05	0.411 0.09 sured SAR [N 18900	0.389 0.07 0.648 0.415 0.12 0.22 0.13 -0.09 0.146 0.089 0.1 0.343 0.197 0.14 ///kg] 18700 23.50 22.24 0.474	0.55 -0.07 	0.55 0.09 orted SAR [V 18900	0.52 0.07 0.87 0.56 0.12 0.29 0.17 -0.09 0.20 0.12 0.10 0.46 0.26 0.14 //kgl 18700 ** 1.34 0.63	
Mode 20MHz QPSK100% RB 20MHz	Rear Left edge Right edge Bottom edge Device orientation Tun Measured F	10g SAR Deviation 1g SAR 0eviation 1g SAR Deviation 1g SAR 10g SAR Deviation SAR measureme nt e-up Power [dBm] 1g SAR 10g SAR Deviation 1g SAR	0.408 -0.07 Meas 19100 23.50 22.05	0.411 0.09 sured SAR [N 18900	0.389 0.07 0.648 0.415 0.12 0.22 0.13 -0.09 0.146 0.089 0.1 0.343 0.197 0.14 //kgl 18700 23.50 22.24 0.474 0.276	0.55 -0.07	0.55 0.09 orted SAR [V 18900	0.52 0.07 0.87 0.56 0.12 0.29 0.17 -0.09 0.20 0.12 0.10 0.46 0.26 0.14 V/kgl 18700 1.34 0.63 0.37	
Mode 20MHz QPSK100% RB	Rear Left edge Right edge Bottom edge Device orientation Tun Measured F	10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation SAR measureme nt e-up Power [dBm] 1g SAR 10g SAR Deviation	0.408 -0.07 Meas 19100 23.50 22.05	0.411 0.09 sured SAR [N 18900	0.389 0.07 0.648 0.415 0.12 0.22 0.13 -0.09 0.146 0.089 0.1 0.343 0.197 0.14 //kgl 18700 23.50 22.24 0.474 0.276	0.55 -0.07 	0.55 0.09 orted SAR [V 18900	0.52 0.07 0.87 0.56 0.12 0.29 0.17 -0.09 0.20 0.12 0.10 0.46 0.26 0.14 V/kgl 18700 1.34 0.63 0.37	



Table 14-13 LTE1700-FDD4 #1 Head

			LTE1	700-FDD4 #1	Head			
Ambient Te	emperature:	22.2				Liquid Ter	mperature:	22.3
		SAR	Meas	sured SAR	W/kg]		orted SAR [V	V/kg]
Mode	Device	measureme	20300	20175	20050	20300	20175	20050
	orientation	nt	М	М	M	М	М	M
		e-up	24.50	24.50	24.50		Scaling factor	
	Measured F	ower [dBm]	23.35	23.28	23.27	1.30	1.32	1.33
		1g SAR	0.445			0.58		
	Left Cheek	10g SAR	0.282			0.37		
		Deviation	0.08			0.08		
		1g SAR	0.214			0.28		
20MHz	Left Tilt	10g SAR	0.136			0.18		
QPSK1RB		Deviation	0.14			0.14		
		1g SAR	0.469			0.61		
	Right Cheek	10g SAR	0.289			0.38		
		Deviation	0.09			0.09		
		1g SAR	0.218			0.28		
	Right Tilt	10g SAR	0.133			0.17		
		Deviation	-0.05			-0.05		
	Davis	SAR	Meas	sured SAR [W/kg]	Rep	orted SAR [V	V/kg]
TRUE	Device orientation	measureme	20300	20175	20050	20300	20175	20050
	Officiation	nt	L	L	М	L	L	М
		e-up	23.50	23.50	23.50	Ç	Scaling factor	.*h
	Measured F	ower [dBm]	22.20	22.31	22.23	1.35	1.32	1.34
		1g SAR		0.333			0.44	
	Left Cheek	1g SAR 10g SAR		0.333 0.209			0.44 0.27	
	Left Cheek							
20M⊔~	Left Cheek	10g SAR		0.209			0.27	
20MHz	Left Cheek Left Tilt	10g SAR Deviation		0.209 0.02			0.27 0.02	
QPSK50%		10g SAR Deviation 1g SAR		0.209 0.02 0.142			0.27 0.02 0.19	
		10g SAR Deviation 1g SAR 10g SAR		0.209 0.02 0.142 0.089			0.27 0.02 0.19 0.12	
QPSK50%		10g SAR Deviation 1g SAR 10g SAR Deviation		0.209 0.02 0.142 0.089 0.1			0.27 0.02 0.19 0.12 0.10	
QPSK50%	Left Tilt	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR		0.209 0.02 0.142 0.089 0.1 0.295			0.27 0.02 0.19 0.12 0.10 0.39	
QPSK50%	Left Tilt	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR		0.209 0.02 0.142 0.089 0.1 0.295 0.182			0.27 0.02 0.19 0.12 0.10 0.39 0.24	
QPSK50%	Left Tilt	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation		0.209 0.02 0.142 0.089 0.1 0.295 0.182 -0.08			0.27 0.02 0.19 0.12 0.10 0.39 0.24 -0.08	
QPSK50%	Left Tilt Right Cheek	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR 10g SAR Deviation 1g SAR		0.209 0.02 0.142 0.089 0.1 0.295 0.182 -0.08 0.141			0.27 0.02 0.19 0.12 0.10 0.39 0.24 -0.08 0.19	
QPSK50%	Left Tilt Right Cheek Right Tilt	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR 10g SAR Deviation 1g SAR 10g SAR	Meas	0.209 0.02 0.142 0.089 0.1 0.295 0.182 -0.08 0.141 0.085	W/kg]	Rep	0.27 0.02 0.19 0.12 0.10 0.39 0.24 -0.08 0.19 0.11	Wkg]
QPSK50%	Left Tilt Right Cheek Right Tilt Device	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 4g SAR Deviation SAR Measureme		0.209 0.02 0.142 0.089 0.1 0.295 0.182 -0.08 0.141 0.085 -0.08 sured SAR [0,		0.27 0.02 0.19 0.12 0.10 0.39 0.24 -0.08 0.19 0.11 -0.08	
QPSK50% RB	Left Tilt Right Cheek Right Tilt	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR	Meas 20300	0.209 0.02 0.142 0.089 0.1 0.295 0.182 -0.08 0.141 0.085 -0.08	W/kg]	Rep. 20300	0.27 0.02 0.19 0.12 0.10 0.39 0.24 -0.08 0.19 0.11 -0.08	W/kg]
QPSK50% RB	Left Tilt Right Cheek Right Tilt Device orientation	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 4g SAR Deviation SAR Measureme		0.209 0.02 0.142 0.089 0.1 0.295 0.182 -0.08 0.141 0.085 -0.08 sured SAR [0,	20300	0.27 0.02 0.19 0.12 0.10 0.39 0.24 -0.08 0.19 0.11 -0.08	20050
QPSK50% RB	Left Tilt Right Cheek Right Tilt Device orientation	10g SAR Deviation 1g SAR Deviation SAR Measureme nt	20300	0.209 0.02 0.142 0.089 0.1 0.295 0.182 -0.08 0.141 0.085 -0.08 sured SAR [20050	20300	0.27 0.02 0.19 0.12 0.10 0.39 0.24 -0.08 0.19 0.11 -0.08 orted SAR [V	20050
Mode 20MHz QPSK100%	Left Tilt Right Cheek Right Tilt Device orientation	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation SAR Deviation SAR measureme nt e-up	20300	0.209 0.02 0.142 0.089 0.1 0.295 0.182 -0.08 0.141 0.085 -0.08 sured SAR [20050	20300	0.27 0.02 0.19 0.12 0.10 0.39 0.24 -0.08 0.19 0.11 -0.08 orted SAR [V	20050
QPSK50% RB Mode	Left Tilt Right Cheek Right Tilt Device orientation	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation SAR Deviation SAR measureme nt e-up Power [dBm]	20300	0.209 0.02 0.142 0.089 0.1 0.295 0.182 -0.08 0.141 0.085 -0.08 sured SAR [20050	20300	0.27 0.02 0.19 0.12 0.10 0.39 0.24 -0.08 0.19 0.11 -0.08 orted SAR [V	20050
Mode 20MHz QPSK100%	Left Tilt Right Cheek Right Tilt Device orientation Tun Measured F	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation SAR Deviation SAR measureme nt e-up Power [dBm]	20300	0.209 0.02 0.142 0.089 0.1 0.295 0.182 -0.08 0.141 0.085 -0.08 sured SAR [20050	20300	0.27 0.02 0.19 0.12 0.10 0.39 0.24 -0.08 0.19 0.11 -0.08 orted SAR [V	20050
Mode 20MHz QPSK100%	Left Tilt Right Cheek Right Tilt Device orientation Tun Measured F	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation SAR Measureme nt e-up Ower [dBm] 1g SAR 10g SAR	20300	0.209 0.02 0.142 0.089 0.1 0.295 0.182 -0.08 0.141 0.085 -0.08 sured SAR [20050	20300	0.27 0.02 0.19 0.12 0.10 0.39 0.24 -0.08 0.19 0.11 -0.08 orted SAR [V	20050
Mode 20MHz QPSK100% RB	Left Tilt Right Cheek Right Tilt Device orientation Tun Measured F	10g SAR Deviation 1g SAR 0eviation 1g SAR 10g SAR 10g SAR 10g SAR Deviation SAR measureme nt e-up Power [dBm] 1g SAR 10g SAR Deviation	20300 23.50 22.17	0.209 0.02 0.142 0.089 0.1 0.295 0.182 -0.08 0.141 0.085 -0.08 sured SAR [20050	20300	0.27 0.02 0.19 0.12 0.10 0.39 0.24 -0.08 0.19 0.11 -0.08 orted SAR [V	20050



Table 14-14 LTE1700-FDD4 #1 Body

			LTE1	700-FDD4 #1	Body			
Ambient Te	emperature:	22.2				Liquid Ter	mperature:	22.3
	Davisa	SAR	Meas	sured SAR [\	N/kg]	Rep	orted SAR [V	V/kg]
Mode	Device orientation	measureme	20300	20175	20050	20300	20175	20050
	onentation	nt	М	М	M	М	М	М
	Tun	e-up	24.50	24.50	24.50	,	Scaling factor	æ.
	Measured F	Power [dBm]	23.35	23.28	23.27	1.30	1.32	1.33
		1g SAR	0.607			0.79		
	Front	10g SAR	0.475			0.62		
		Deviation	0.04			0.04		
		1g SAR	0.879	0.843	0.811	1.15	1.12	1.08
	Rear	10g SAR	0.577	0.532	0.509	0.75	0.70	0.67
20MHz		Deviation	-0.09	0.05	0.07	-0.09	0.05	0.07
QPSK1RB		1g SAR	0.357			0.47		
	Left edge	10g SAR	0.212			0.28		
		Deviation	0.06			0.06		
	Diskarden	1g SAR	0.138			0.18		
	Right edge	10g SAR	0.081			0.11		
		Deviation	-0.09			-0.09		
	D-# d	1g SAR	0.442			0.58		
	Bottom edge	10g SAR	0.247			0.32		
		Deviation	0.11 Moor	sured SAR N	M/lcal	0.11	orted SAR [V	//leal
	Device	SAR						
Mode	orientation	measureme	20300	20175	20050	20300	20175	20050
	_	nt	L	L	M			
		e-up	23.50	23.50	23.50		Scaling factor	
	Measured F	Power [dBm]	22.20	22.31	22.23	1.35	1.32	1.34
	_	1g SAR		0.478			0.63	
	Front	10g SAR		0.303			0.40	
		Deviation	0.570	0.04	0.000	0.70	0.04	0.04
	D	1g SAR	0.578 0.408	0.673 0.423	0.608 0.418	0.78 0.55	0.89 0.56	0.81 0.56
20MHz	Rear	10g SAR Deviation	-0.02	0.423	0.416	-0.02	0.09	0.36
QPSK50%		1g SAR	-0.02	0.09	0.14	-0.02	0.09	0.14
RB	Left edge	10g SAR		0.12			0.16	
	Len eage	Deviation		-0.1			-0.10	
		1g SAR		0.068			0.09	
	Right edge	10g SAR		0.04			0.05	
		Deviation		0.18			0.18	
		1g SAR		0.283			0.37	
	Bottom edge	10g SAR		0.163			0.21	
		Deviation		0.11			0.11	
		SAR	Meas	sured SAR [N/kg]	Rep	orted SAR [V	V/kg]
	Device							
Mode	Device orientation	measureme nt	20300	20175	20050	20300	20175	20050
Mode	orientation	measureme nt	20300	20175				
	orientation Tun	measureme nt e-up	20300	20175	23.50		Scaling factor	.to
Mode 20MHz QPSK100%	orientation Tun	measureme nt e-up Power [dBm]	20300	20175 23.50 22.28			Scaling factor 1.32	
20MHz	orientation Tun Measured F	measureme nt e-up Power [dBm]	20300	20175 23.50 22.28 0.626	23.50		Scaling factor 1.32 0.83	.to
20MHz QPSK100%	orientation Tun	measureme nt e-up Power [dBm] 1g SAR 10g SAR	20300	20175 23.50 22.28 0.626 0.403	23.50		1.32 0.83 0.53	.to
20MHz QPSK100% RB	orientation Tun Measured F	measureme nt e-up Power [dBm] 1g SAR 10g SAR Deviation	20300 23.50 22.17	20175 23.50 22.28 0.626	23.50	1.36	Scaling factor 1.32 0.83	.to
20MHz QPSK100% RB	Tun Measured F Rear	measureme nt e-up Power [dBm] 1g SAR 10g SAR Deviation 1g SAR	20300 23.50 22.17	20175 23.50 22.28 0.626 0.403	23.50	1.36	1.32 0.83 0.53	.to
20MHz QPSK100% RB	orientation Tun Measured F	measureme nt e-up Power [dBm] 1g SAR 10g SAR Deviation	20300 23.50 22.17	20175 23.50 22.28 0.626 0.403	23.50	1.36	1.32 0.83 0.53	.to



Table 14-15 LTE850-FDD5 #1 Head

			LTE	850-FDD5 #1 H	Head			
Ambient Te	emperature:	22.2				Liquid Te	mperature:	22.3
	Device	SAR	Meas	sured SAR [\	N/kg]	Rep	orted SAR [\	V/kg]
Mode	orientation	measureme	20600	20525	20450	20600	20525	20450
		nt	М	M	M	М	М	M
		e-up	24.50	24.50	24.50		Scaling factor	
	Measured F	Power [dBm]	23.20	23.29	23.22	1.35	1.32	1.34
	Loft Obook	1g SAR		0.19			0.25	
	Left Cheek	10g SAR Deviation		0.156 0.02			0.21	
				0.02			0.02	
	Left Tilt	1g SAR		0.176			0.23	
10MHz	Leit Till	10g SAR Deviation		0.14			0.18	
QPSK1RB				0.07			0.07	
	Dight Chook	1g SAR						
	Right Cheek	10g SAR Deviation		0.212 0.03			0.28	
		1g SAR		0.03			0.03	
	Right Tilt	10g SAR						
	Right filt	Deviation		0.151 -0.01			0.20 -0.01	
			Meas	sured SAR [\	N/ka]	Ren	orted SAR [\	W/kal
TOUE	Device	SAR	20600	20525	20450	20600	20525	20450
TRUE	orientation	measureme nt						
	Tun	e-up	M 23.50	M 23.50	H 23.50	M	M Scaling factor	.*
		Power [dBm]	22.15	22.13	23.50	1.36	1.37	1.37
	Wedsured	1g SAR	0.17	22.10	22.10	0.23	1.0	1.01
	Left Cheek	10g SAR	0.117			0.16		
	Lett Officer	Deviation	-0.07			-0.07		
		1g SAR	0.099			0.14		
10MHz	Left Tilt	10g SAR	0.069			0.09		
QPSK50%		Deviation	0.15			0.15		
RB		1g SAR	0.2			0.27		
	Right Cheek	10g SAR	0.137			0.19		
		Deviation	0.05			0.05		
		1g SAR	0.108			0.15		
	Right Tilt	10g SAR	0.075			0.10		
	Ĭ	Deviation	0.08			0.08		
		SAR	Meas	sured SAR [\	N/kg]	Rep	orted SAR [\	V/kg]
Mode	Device orientation	measureme	20600	20525	20450	20600	20525	20450
		nt	20000	20020				
		e-up	23.50	23.50	23.50		Scaling factor	
10MHz	Measured F	Power [dBm]	22.12	22.14	22.14	1.37	1.37	1.37
QPSK100%		1g SAR						
RB	Left Cheek	10g SAR						
		Deviation						
10MHz		1g SAR		0.271			0.36	
QPSK1RB	Right Cheek	10g SAR		0.205			0.27	
B2	1	Deviation		0.03			0.03	



Table 14-16 LTE850-FDD5 #1 Body

			LTE	850-FDD5 #1	Body			
Ambient Te	mperature:	22.2				Liquid Ter	mperature:	22.3
	Б.	SAR	Meas	sured SAR [N/kg]	Rep	orted SAR [V	V/kg]
Mode	Device	measureme	20600	20525	20450	20600	20525	20450
	orientation	nt	М	М	М	М	М	М
	Tun	e-up	24.50	24.50	24.50		Scaling factor	**
	Measured F	Power [dBm]	23.20	23.29	23.22	1.35	1.32	1.34
		1g SAR		0.335			0.44	
	Front	10g SAR		0.254			0.34	
		Deviation		0.09			0.09	
		1g SAR		0.412			0.54	
	Rear	10g SAR		0.319			0.42	
10MHz		Deviation		-0.03			-0.03	
QPSK1RB		1g SAR		0.218			0.29	
	Left edge	10g SAR		0.155			0.20	
		Deviation		0.02			0.02	
	D: 1	1g SAR		0.349			0.46	
	Right edge	10g SAR		0.245			0.32	
		Deviation		0.11			0.11	
	Dottom odgo	1g SAR		0.128			0.17	
	Bottom edge	10g SAR		0.07 0.05			0.09	
		Deviation	Moas	sured SAR	N/Ical	Pon	orted SAR [V	V/kal
N4 - d -	Device	SAR						
Mode	orientation	measureme	20600	20525	20450	20600	20525	20450
		nt	M	M	Н			
	Tune-up					Scaling factor*		
			23.50	23.50	23.50			
		Power [dBm]	22.15	23.50 22.13	23.50 22.15	1.36	Scaling factor	1.37
	Measured F	Power [dBm]	22.15 0.259			1.36 0.35		
		Ower [dBm] 1g SAR 10g SAR	22.15 0.259 0.202			1.36 0.35 0.28		
	Measured F	Power [dBm] 1g SAR 10g SAR Deviation	22.15 0.259 0.202 0.14			1.36 0.35 0.28 0.14		
	Measured F Front	Power [dBm] 1g SAR 10g SAR Deviation 1g SAR	22.15 0.259 0.202 0.14 0.329			1.36 0.35 0.28 0.14 0.45		
10MHz	Measured F	Power [dBm] 1g SAR 10g SAR Deviation	22.15 0.259 0.202 0.14			1.36 0.35 0.28 0.14		
10MHz QPSK50%	Measured F Front	Power [dBm] 1g SAR 10g SAR Deviation 1g SAR 10g SAR	22.15 0.259 0.202 0.14 0.329 0.253			1.36 0.35 0.28 0.14 0.45 0.35		
	Measured F Front	1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation	22.15 0.259 0.202 0.14 0.329 0.253 -0.08			1.36 0.35 0.28 0.14 0.45 0.35		
QPSK50%	Front Rear	Power [dBm] 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR	22.15 0.259 0.202 0.14 0.329 0.253 -0.08 0.161			1.36 0.35 0.28 0.14 0.45 0.35 -0.08		
QPSK50%	Front Rear	Power [dBm] 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR	22.15 0.259 0.202 0.14 0.329 0.253 -0.08 0.161 0.111			1.36 0.35 0.28 0.14 0.45 0.35 -0.08 0.22 0.15 0.11 0.35		
QPSK50%	Front Rear	Power [dBm] 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR 10g SAR 10g SAR 10g SAR Deviation 1g SAR	22.15 0.259 0.202 0.14 0.329 0.253 -0.08 0.161 0.111 0.11 0.257 0.178			1.36 0.35 0.28 0.14 0.45 0.35 -0.08 0.22 0.15 0.11 0.35 0.24		
QPSK50%	Front Rear Left edge	Power [dBm] 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation	22.15 0.259 0.202 0.14 0.329 0.253 -0.08 0.161 0.111 0.11 0.257 0.178 0.03			1.36 0.35 0.28 0.14 0.45 0.35 -0.08 0.22 0.15 0.11 0.35 0.24 0.03		
QPSK50%	Front Rear Left edge Right edge	Power [dBm] 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR 1g SAR	22.15 0.259 0.202 0.14 0.329 0.253 -0.08 0.161 0.111 0.11 0.257 0.178 0.03 0.104			1.36 0.35 0.28 0.14 0.45 0.35 -0.08 0.22 0.15 0.11 0.35 0.24 0.03 0.14		
QPSK50%	Front Rear Left edge	Power [dBm] 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR 10g SAR 10g SAR	22.15 0.259 0.202 0.14 0.329 0.253 -0.08 0.161 0.111 0.11 0.257 0.178 0.03 0.104 0.056			1.36 0.35 0.28 0.14 0.45 0.35 -0.08 0.22 0.15 0.11 0.35 0.24 0.03 0.14 0.08		
QPSK50%	Front Rear Left edge Right edge	Power [dBm] 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation	22.15 0.259 0.202 0.14 0.329 0.253 -0.08 0.161 0.111 0.11 0.257 0.178 0.03 0.104 0.056 0.15	22.13	22.15	1.36 0.35 0.28 0.14 0.45 0.35 -0.08 0.22 0.15 0.11 0.35 0.24 0.03 0.14 0.08 0.15	1.37	1.37
QPSK50% RB	Front Rear Left edge Right edge	Power [dBm] 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation SAR	22.15 0.259 0.202 0.14 0.329 0.253 -0.08 0.161 0.111 0.11 0.257 0.178 0.03 0.104 0.056 0.15		22.15	1.36 0.35 0.28 0.14 0.45 0.35 -0.08 0.22 0.15 0.11 0.35 0.24 0.03 0.14 0.08 0.15		1.37
QPSK50%	Front Rear Left edge Right edge Bottom edge	Power [dBm] 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation	22.15 0.259 0.202 0.14 0.329 0.253 -0.08 0.161 0.111 0.11 0.257 0.178 0.03 0.104 0.056 0.15	22.13	22.15	1.36 0.35 0.28 0.14 0.45 0.35 -0.08 0.22 0.15 0.11 0.35 0.24 0.03 0.14 0.08 0.15	1.37	1.37
QPSK50% RB	Front Rear Left edge Right edge Bottom edge Device orientation	Power [dBm] 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Tog SAR Deviation 1g SAR Tog SAR Deviation SAR Tog SAR Tog SAR Tog SAR	22.15 0.259 0.202 0.14 0.329 0.253 -0.08 0.161 0.111 0.11 0.257 0.178 0.03 0.104 0.056 0.15 Meas	22.13	22.15	1.36 0.35 0.28 0.14 0.45 0.35 -0.08 0.22 0.15 0.11 0.35 0.24 0.03 0.14 0.08 0.15 Rep	1.37	1.37
QPSK50% RB	Front Rear Left edge Right edge Bottom edge Device orientation Tun	Power [dBm] 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR The same of the same	22.15 0.259 0.202 0.14 0.329 0.253 -0.08 0.161 0.111 0.11 0.257 0.178 0.03 0.104 0.056 0.15 Meas	22.13 Sured SAR [1 20525	22.15 W/kgl 20450	1.36 0.35 0.28 0.14 0.45 0.35 -0.08 0.22 0.15 0.11 0.35 0.24 0.03 0.14 0.08 0.15 Rep	1.37 orted SAR [V	1.37
QPSK50% RB Mode	Front Rear Left edge Right edge Bottom edge Device orientation Tun	Power [dBm] 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Measureme nt e-up	22.15 0.259 0.202 0.14 0.329 0.253 -0.08 0.161 0.111 0.11 0.257 0.178 0.03 0.104 0.056 0.15 Meas 20600	22.13 22.13 Sured SAR [1 20525 23.50	22.15 W/kgl 20450 23.50	1.36 0.35 0.28 0.14 0.45 0.35 -0.08 0.22 0.15 0.11 0.35 0.24 0.03 0.14 0.08 0.15 Rep	1.37 orted SAR [V 20525 Scaling factor	1.37 V/kg] 20450
QPSK50% RB Mode	Front Rear Left edge Right edge Bottom edge Device orientation Tun	Power [dBm] 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 2g SAR Deviation SAR measureme nt e-up Power [dBm]	22.15 0.259 0.202 0.14 0.329 0.253 -0.08 0.161 0.111 0.11 0.257 0.178 0.03 0.104 0.056 0.15 Meas 20600	22.13 22.13 Sured SAR [1 20525 23.50	22.15 W/kgl 20450 23.50	1.36 0.35 0.28 0.14 0.45 0.35 -0.08 0.22 0.15 0.11 0.35 0.24 0.03 0.14 0.08 0.15 Rep	1.37 orted SAR [V 20525 Scaling factor	1.37 V/kg] 20450
Mode 10MHz QPSK100%	Front Rear Left edge Right edge Bottom edge Device orientation Tun Measured F	Power [dBm] 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR	22.15 0.259 0.202 0.14 0.329 0.253 -0.08 0.161 0.111 0.11 0.257 0.178 0.03 0.104 0.056 0.15 Meas 20600	22.13 22.13 Sured SAR [1 20525 23.50	22.15 W/kgl 20450 23.50	1.36 0.35 0.28 0.14 0.45 0.35 -0.08 0.22 0.15 0.11 0.35 0.24 0.03 0.14 0.08 0.15 Rep	1.37 orted SAR [V 20525 Scaling factor	1.37 V/kg] 20450
Mode 10MHz QPSK100%	Front Rear Left edge Right edge Bottom edge Device orientation Tun Measured F	Power [dBm] 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation SAR measureme nt e-up Power [dBm] 1g SAR 10g SAR	22.15 0.259 0.202 0.14 0.329 0.253 -0.08 0.161 0.111 0.11 0.257 0.178 0.03 0.104 0.056 0.15 Meas 20600	22.13 22.13 Sured SAR [1 20525 23.50	22.15 W/kgl 20450 23.50	1.36 0.35 0.28 0.14 0.45 0.35 -0.08 0.22 0.15 0.11 0.35 0.24 0.03 0.14 0.08 0.15 Rep	1.37 orted SAR [V 20525 Scaling factor	1.37 V/kg] 20450
Mode 10MHz QPSK100% RB	Front Rear Left edge Right edge Bottom edge Device orientation Tun Measured F	Power [dBm] 1g SAR 10g SAR Deviation 1g SAR Deviation SAR measureme nt e-up Power [dBm] 1g SAR 10g SAR Deviation	22.15 0.259 0.202 0.14 0.329 0.253 -0.08 0.161 0.111 0.11 0.257 0.178 0.03 0.104 0.056 0.15 Meas 20600	22.13 Sured SAR [1 20525 23.50 22.14	22.15 W/kgl 20450 23.50	1.36 0.35 0.28 0.14 0.45 0.35 -0.08 0.22 0.15 0.11 0.35 0.24 0.03 0.14 0.08 0.15 Rep	1.37 orted SAR [V 20525 Scaling factor 1.37	1.37 V/kg] 20450



Table 14-17 LTE2500-FDD7 #1 Head

			LTE2	500-FDD7 #1	Head			
Ambient Te	emperature:	22.2				Liquid Ter	mperature:	22.3
	Davisa	SAR	Meas	ured SAR [\	N/kg]	Repo	orted SAR [V	V/kg]
Mode	Device orientation	measureme	21350	21100	20850	21350	21100	20850
	onentation	nt	М	М	М	М	М	М
		e-up	23.00	23.00	23.00		Scaling factor	
	Measured F	Power [dBm]	22.21	22.23	22.25	1.20	1.19	1.19
		1g SAR			0.564			0.67
	Left Cheek	10g SAR			0.295			0.35
		Deviation			0.03			0.03
		1g SAR			0.272			0.32
20MHz	Left Tilt	10g SAR			0.149			0.18
QPSK1RB		Deviation			0.03			0.03
		1g SAR			0.525			0.62
	Right Cheek	10g SAR			0.291			0.35
		Deviation			-0.02			-0.02
		1g SAR			0.4			0.48
	Right Tilt	10g SAR			0.194			0.23
		Deviation			0.05			0.05
		SAR	Meas	ured SAR [N/kg]	Repo	orted SAR [V	V/kg]
TRUE	Device orientation	measureme	21350	21100	20850	21350	21100	20850
	Officiation	nt	М	М	Н	М	М	Н
	Tun	e-up	22.00	22.00	22.00	9	Scaling factor	.to
	Measured F	Power [dBm]	21.26	21.28	21.33	1.19	1.18	1.17
		1g SAR			0.494			0.58
	Left Cheek	10g SAR			0.050			
		TOG SAIN			0.259			0.30
		Deviation			0.259			0.30
00141								
20MHz	Left Tilt	Deviation			0.01			0.01
QPSK50%	Left Tilt	Deviation 1g SAR			0.01 0.196			0.01 0.23
	Left Tilt	Deviation 1g SAR 10g SAR			0.01 0.196 0.105			0.01 0.23 0.12
QPSK50%	Left Tilt Right Cheek	Deviation 1g SAR 10g SAR Deviation 1g SAR			0.01 0.196 0.105 0.01			0.01 0.23 0.12 0.01
QPSK50%		Deviation 1g SAR 10g SAR Deviation 1g SAR			0.01 0.196 0.105 0.01 0.291			0.01 0.23 0.12 0.01 0.34
QPSK50%		Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation			0.01 0.196 0.105 0.01 0.291 0.164			0.01 0.23 0.12 0.01 0.34 0.19
QPSK50%		Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR			0.01 0.196 0.105 0.01 0.291 0.164 0.04			0.01 0.23 0.12 0.01 0.34 0.19 0.04
QPSK50%	Right Cheek	Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR			0.01 0.196 0.105 0.01 0.291 0.164 0.04 0.346			0.01 0.23 0.12 0.01 0.34 0.19 0.04 0.40
QPSK50%	Right Cheek Right Tilt	Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation	Meas	Sured SAR [V	0.01 0.196 0.105 0.01 0.291 0.164 0.04 0.346 0.171 -0.02	Rep	orted SAR [V	0.01 0.23 0.12 0.01 0.34 0.19 0.04 0.40 0.20 -0.02
QPSK50%	Right Cheek	Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation		sured SAR [0	0.01 0.196 0.105 0.01 0.291 0.164 0.04 0.346 0.171 -0.02	Rep. 21350	orted SAR [V	0.01 0.23 0.12 0.01 0.34 0.19 0.04 0.40 0.20 -0.02
QPSK50% RB	Right Cheek Right Tilt Device orientation	Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation SAR Measureme			0.01 0.196 0.105 0.01 0.291 0.164 0.04 0.346 0.171 -0.02	21350		0.01 0.23 0.12 0.01 0.34 0.19 0.04 0.40 0.20 -0.02 V/kg] 20850
QPSK50% RB	Right Cheek Right Tilt Device orientation Tun	Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation SAR Measureme nt	21350	21100	0.01 0.196 0.105 0.01 0.291 0.164 0.04 0.346 0.171 -0.02 W/kg]	21350	21100	0.01 0.23 0.12 0.01 0.34 0.19 0.04 0.40 0.20 -0.02 V/kg] 20850
QPSK50% RB	Right Cheek Right Tilt Device orientation Tun	Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation SAR Measureme nt e-up	21350 22.00	21100	0.01 0.196 0.105 0.01 0.291 0.164 0.04 0.346 0.171 -0.02 W/kg] 20850	21350	21100 Scaling factor	0.01 0.23 0.12 0.01 0.34 0.19 0.04 0.40 0.20 -0.02 V/kg] 20850
QPSK50% RB Mode	Right Cheek Right Tilt Device orientation Tun	Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation SAR measureme nt e-up Power [dBm]	21350 22.00	21100	0.01 0.196 0.105 0.01 0.291 0.164 0.04 0.346 0.171 -0.02 W/kg] 20850	21350	21100 Scaling factor	0.01 0.23 0.12 0.01 0.34 0.19 0.04 0.40 0.20 -0.02 V/kg] 20850
Mode 20MHz QPSK100%	Right Cheek Right Tilt Device orientation Tun Measured F	Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation SAR measureme nt e-up Power [dBm] 1g SAR	21350 22.00	21100	0.01 0.196 0.105 0.01 0.291 0.164 0.04 0.346 0.171 -0.02 W/kg] 20850	21350	21100 Scaling factor	0.01 0.23 0.12 0.01 0.34 0.19 0.04 0.40 0.20 -0.02 V/kg] 20850
Mode 20MHz QPSK100%	Right Cheek Right Tilt Device orientation Tun Measured F	Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation SAR measureme nt e-up Power [dBm] 1g SAR 10g SAR	21350 22.00	21100	0.01 0.196 0.105 0.01 0.291 0.164 0.04 0.346 0.171 -0.02 W/kg] 20850	21350	21100 Scaling factor	0.01 0.23 0.12 0.01 0.34 0.19 0.04 0.40 0.20 -0.02 V/kg] 20850
Mode 20MHz QPSK100% RB	Right Cheek Right Tilt Device orientation Tun Measured F	Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation SAR measureme nt e-up Cower [dBm] 1g SAR 10g SAR Deviation	21350 22.00	21100	0.01 0.196 0.105 0.01 0.291 0.164 0.04 0.346 0.171 -0.02 W/kg] 20850 22.00 21.28	21350	21100 Scaling factor	0.01 0.23 0.12 0.01 0.34 0.19 0.04 0.40 0.20 -0.02 V/kg] 20850



Table 14-18 LTE2500-FDD7 #1 Body

			LTE2	2500-FDD7 #1	Body	-		
Ambient Te	emperature:	22.2				Liquid Ter	mperature:	22.3
	Б.	SAR	Meas	sured SAR [\	N/kg]	Rep	orted SAR [W	//kg]
Mode	Device orientation	measureme	21350	21100	20850	21350	21100	20850
	onentation	nt	М	М	М	М	M	М
	Tun	e-up	23.00	23.00	23.00		Scaling factor	*
	Measured F	Power [dBm]	22.21	22.23	22.25	1.20	1.19	1.19
		1g SAR	0.74	0.831	0.89	0.89	0.99	1.06
	Front	10g SAR	0.359	0.405	0.443	0.43	0.48	0.53
		Deviation	0.01	0.09	0.05	0.01	0.09	0.05
		1g SAR	0.723	0.848	0.913	0.87	1.01	1.09
	Rear	10g SAR	0.372	0.426	0.474	0.45	0.51	0.56
20MHz		Deviation	0.01	0.08	-0.02	0.01	0.08	-0.02
QPSK1RB	1 -6	1g SAR			0.553			0.66
	Left edge	10g SAR			0.296			0.35
		Deviation			-0.08			-0.08
	Diaht odao	1g SAR			0.124			0.15
	Right edge	10g SAR Deviation			0.063 0.05			0.07
		1g SAR			0.556			0.66
	Bottom edge	10g SAR			0.556			0.00
	Bollom edge	Deviation			0.233			0.20
		SAR	Meas	ured SAR [\		Rep	orted SAR [W	
Mode	Device	measureme	21350	21100	20850	21350	21100	20850
Wiode	orientation	nt				21000	21100	20000
	Tun	e-up	M 22.00	M 22.00	H 22.00		L L Scaling factor	*
		Power [dBm]	21.26	21.28	21.33	1.19	1.18	1.17
	Measureu F	1g SAR	21.20	21.20	0.521	1.19	1.10	0.61
	Front	10g SAR			0.321			0.29
	TTOTAL	Deviation			0.08	1		0.08
		1g SAR			0.557			0.65
	Rear	10g SAR			0.285			0.33
20MHz		Deviation			-0.09			-0.09
QPSK50%		1g SAR			0.407			0.48
RB	Left edge	10g SAR			0.214			0.25
		Deviation			0.08			0.08
		1g SAR			0.114	-		0.13
	Right edge	10g SAR			0.06			-0.06
		Deviation 1g SAR			-0.06 0.341			0.40
	Bottom edge				0.161			0.19
	Bottom edge	Deviation			0.03			0.03
	_	SAR	Meas	ured SAR [\		Rep	orted SAR [W	
Mode	Device	measureme				04050	04400	20052
	orientation	nt	21350	21100	20850	21350	21100	20850
	Tun	e-up	22.00	22.00	22.00		Scaling factor	*
20MHz		Power [dBm]	21.16	21.20	21.28	1.21	1.20	1.18
QPSK100%		1g SAR			0.614		-	0.72
RB	Front	10g SAR			0.309			0.36
		Deviation			0.02			0.02
20MHz		1g SAR			0.902			1.07
QPSK1RB	Rear	10g SAR			0.459			0.55
B2		Deviation			0.09			0.09
20MHz		1g SAR			0.732			0.87
QPSK100%	Rear	10g SAR			0.409			0.49
RB		Deviation			0.05			0.05
					0.00			2.00



Table 14-19 LTE700-FDD12 #1 Head

			LTE7	00-FDD12#1	Head			
Ambient Te	emperature:	22.2				Liquid Ter	mperature:	22.3
		SAR	Meas	sured SAR [W/kg]	Repo	orted SAR [V	V/kg]
Mode	Device	measureme	23130	23095	23060	23130	23095	23060
	orientation	nt	М	М	М	М	М	М
		e-up	24.50	24.50	24.50	Ş	Scaling factor	. %
	Measured F	Power [dBm]	23.35	23.40	23.37	1.30	1.29	1.30
		1g SAR		0.14 0.11			0.18 0.14	
	Left Cheek	10g SAR						
		Deviation		0.03			0.03	
		1g SAR		0.112			0.14	
10MHz	Left Tilt	10g SAR		0.089			0.11	
QPSK1RB		Deviation		-0.09			-0.09	
		1g SAR		0.142			0.18	
	Right Cheek	10g SAR		0.112			0.14	
		Deviation		0.01			0.01	
		1g SAR		0.117			0.15	
	Right Tilt	10g SAR		0.094			0.12	
		Deviation		-0.05			-0.05	
		SAR		0.1		Repo	orted SAR [V	V/kg]
TRUE	Device orientation	measureme	23130	23095	23060	23130	23095	23060
		nt	M	Н	H	М	Н	Н
	Tun	e-up	23.50	23.50	23.50	9	Scaling factor	*
	Measured F	Power [dBm]	22.22	22.31	22.41	1.34	1.31	1.29
		1g SAR			0.1			0.13
	Left Cheek	10g SAR			0.079			0.10
		Deviation			0.02			0.02
		1g SAR			0.071			0.09
10MII-				188888888888888888888888888888888888888	0.07 1			
10MHz	Left Tilt	10g SAR			0.055			0.07
QPSK50%	Left Tilt							0.07 0.07
	Left Tilt	10g SAR			0.055			
QPSK50%	Left Tilt Right Cheek	10g SAR Deviation			0.055 0.07			0.07
QPSK50%		10g SAR Deviation 1g SAR			0.055 0.07 0.112			0.07 0.14
QPSK50%		10g SAR Deviation 1g SAR 10g SAR			0.055 0.07 0.112 0.087			0.07 0.14 0.11
QPSK50%		10g SAR Deviation 1g SAR 10g SAR Deviation			0.055 0.07 0.112 0.087 0.01			0.07 0.14 0.11 0.01
QPSK50%	Right Cheek	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR			0.055 0.07 0.112 0.087 0.01 0.089			0.07 0.14 0.11 0.01 0.11
QPSK50%	Right Cheek	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation	Meas	sured SAR [0.055 0.07 0.112 0.087 0.01 0.089 0.071 0.02	Rep	orted SAR [V	0.07 0.14 0.11 0.01 0.11 0.09 0.02
QPSK50% RB	Right Cheek	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation SAR			0.055 0.07 0.112 0.087 0.01 0.089 0.071 0.02			0.07 0.14 0.11 0.01 0.11 0.09 0.02
QPSK50%	Right Cheek Right Tilt Device orientation	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR Deviation SAR measureme nt	Meas 23130	sured SAR [0 23095	0.055 0.07 0.112 0.087 0.01 0.089 0.071 0.02	23130	23095	0.07 0.14 0.11 0.01 0.11 0.09 0.02 W/kg] 23060
QPSK50% RB	Right Cheek Right Tilt Device orientation	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 4g SAR Deviation SAR measureme			0.055 0.07 0.112 0.087 0.01 0.089 0.071 0.02 W/kg]	23130		0.07 0.14 0.11 0.01 0.11 0.09 0.02 W/kg] 23060
QPSK50% RB	Right Cheek Right Tilt Device orientation Tun	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR Deviation SAR measureme nt	23130	23095	0.055 0.07 0.112 0.087 0.01 0.089 0.071 0.02	23130	23095	0.07 0.14 0.11 0.01 0.11 0.09 0.02 W/kg] 23060
QPSK50% RB	Right Cheek Right Tilt Device orientation Tun	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation SAR Measureme nt e-up	23130 23.50	23095	0.055 0.07 0.112 0.087 0.01 0.089 0.071 0.02 W/kg] 23060 23.50	23130	23095 Scaling factor	0.07 0.14 0.11 0.01 0.11 0.09 0.02 V/kg] 23060
QPSK50% RB Mode	Right Cheek Right Tilt Device orientation Tun	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation SAR Deviation SAR measureme nt e-up Power [dBm]	23130 23.50	23095	0.055 0.07 0.112 0.087 0.01 0.089 0.071 0.02 W/kg] 23060 23.50	23130	23095 Scaling factor	0.07 0.14 0.11 0.01 0.11 0.09 0.02 V/kg] 23060
Mode 10MHz QPSK100%	Right Cheek Right Tilt Device orientation Tun Measured F	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation SAR Measureme nt e-up Cower [dBm] 1g SAR	23130 23.50	23095	0.055 0.07 0.112 0.087 0.01 0.089 0.071 0.02 W/kg] 23060 23.50	23130	23095 Scaling factor	0.07 0.14 0.11 0.01 0.11 0.09 0.02 V/kg] 23060
Mode 10MHz QPSK100%	Right Cheek Right Tilt Device orientation Tun Measured F	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation SAR Measureme nt e-up Cower [dBm] 1g SAR 10g SAR	23130 23.50	23095	0.055 0.07 0.112 0.087 0.01 0.089 0.071 0.02 W/kg] 23060 23.50	23130	23095 Scaling factor	0.07 0.14 0.11 0.01 0.11 0.09 0.02 V/kg] 23060
Mode 10MHz QPSK100% RB	Right Cheek Right Tilt Device orientation Tun Measured F	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation SAR Measureme nt e-up 2 ower [dBm] 1g SAR 10g SAR Deviation 1g SAR	23130 23.50	23095 23.50 22.26	0.055 0.07 0.112 0.087 0.01 0.089 0.071 0.02 W/kg] 23060 23.50	23130	23095 Scaling factor 1.33	0.07 0.14 0.11 0.01 0.11 0.09 0.02 V/kg] 23060



Table 14-20 LTE700-FDD12 #1 Body

			LTE7	'00-FDD12#1	Body			
Ambient Te	emperature:	22.2				Liquid Ter	mperature:	22.3
	Douglas	SAR	Meas	sured SAR [N/kg]	Rep	orted SAR [V	V/kg]
Mode	Device orientation	measureme	23130	23095	23060	23130	23095	23060
	onentation	nt	М	М	М	М	М	М
	Tun	e-up	24.50	24.50	24.50	,	Scaling factor	r *
	Measured F	Power [dBm]	23.35	23.40	23.37	1.30	1.29	1.30
		1g SAR		0.205			0.26	
	Front	10g SAR		0.148			0.19	
		Deviation		0.04			0.04	
		1g SAR		0.357			0.46	
	Rear	10g SAR		0.281			0.36	
10MHz		Deviation		-0.02			-0.02	
QPSK1RB		1g SAR		0.233			0.30	
	Left edge	10g SAR		0.152			0.20	
		Deviation		0.09			0.09	
	Dight adas	1g SAR		0.226			0.29	
	Right edge	10g SAR		0.153			0.20	
		Deviation		0.16			0.16	
	D-# d	1g SAR		0.09			0.12	
	Bottom edge	10g SAR		0.051			0.07	
		Deviation	Mon	-0.12 sured SAR [M/lcal	Pos	-0.12 orted SAR [V	Weel
	Device	SAR						
Mode	orientation	measureme	23130	23095	23060	23130	23095	23060
		nt	M	Н	Н			
		e-up	23.50	23.50	23.50	Scaling factor*		*
	Measured F	Power [dBm]	22.22	22.31	22.41	1.34	1.31	1.29
		1g SAR	22.22	22.31	0.182	1.34	1.31	0.23
	Front	1g SAR 10g SAR	22.22	22.31	0.182 0.131	1.34	1.31	0.23 0.17
		1g SAR 10g SAR Deviation	22.22	22.31	0.182 0.131 0.08	1.34	1.31	0.23 0.17 0.08
	Front	1g SAR 10g SAR Deviation 1g SAR	22.22	22.31	0.182 0.131 0.08 0.274	1.34	1.31	0.23 0.17 0.08 0.35
10MHz		1g SAR 10g SAR Deviation 1g SAR 10g SAR	22.22	22.31	0.182 0.131 0.08 0.274 0.193	1.34	1.31	0.23 0.17 0.08 0.35 0.25
10MHz QPSK50%	Front	1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation	22.22	22.31	0.182 0.131 0.08 0.274 0.193 -0.05	1.34	1.31	0.23 0.17 0.08 0.35 0.25 -0.05
	Front Rear	1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR	22.22	22.31	0.182 0.131 0.08 0.274 0.193 -0.05 0.18	1.34	1.31	0.23 0.17 0.08 0.35 0.25 -0.05 0.23
QPSK50%	Front	1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation	22.22	22.31	0.182 0.131 0.08 0.274 0.193 -0.05	1.34	1.31	0.23 0.17 0.08 0.35 0.25 -0.05
QPSK50%	Front Rear	1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR Deviation 1g SAR 10g SAR	22.22	22.31	0.182 0.131 0.08 0.274 0.193 -0.05 0.18 0.118	1.34	1.31	0.23 0.17 0.08 0.35 0.25 -0.05 0.23 0.15
QPSK50%	Front Rear	1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR Deviation 1g SAR	22.22	22.31	0.182 0.131 0.08 0.274 0.193 -0.05 0.18 0.118	1.34	1.31	0.23 0.17 0.08 0.35 0.25 -0.05 0.23 0.15 0.02
QPSK50%	Front Rear Left edge	1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR Deviation	22.22	22.31	0.182 0.131 0.08 0.274 0.193 -0.05 0.18 0.118 0.02 0.203	1.34	1.31	0.23 0.17 0.08 0.35 0.25 -0.05 0.23 0.15 0.02 0.26
QPSK50%	Front Rear Left edge	1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation	22.22	22.31	0.182 0.131 0.08 0.274 0.193 -0.05 0.18 0.118 0.02 0.203 0.133	1.34	1.31	0.23 0.17 0.08 0.35 0.25 -0.05 0.23 0.15 0.02 0.26 0.17
QPSK50%	Front Rear Left edge	1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR	22.22	22.31	0.182 0.131 0.08 0.274 0.193 -0.05 0.18 0.118 0.02 0.203 0.133 0.11 0.058 0.039	1.34	1.31	0.23 0.17 0.08 0.35 0.25 -0.05 0.23 0.15 0.02 0.26 0.17 0.11
QPSK50%	Front Rear Left edge Right edge	1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation			0.182 0.131 0.08 0.274 0.193 -0.05 0.18 0.118 0.02 0.203 0.133 0.11 0.058 0.039 0.13			0.23 0.17 0.08 0.35 0.25 -0.05 0.23 0.15 0.02 0.26 0.17 0.11 0.07 0.05 0.13
QPSK50%	Front Rear Left edge Right edge Bottom edge	1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR		22.31	0.182 0.131 0.08 0.274 0.193 -0.05 0.18 0.118 0.02 0.203 0.133 0.11 0.058 0.039 0.13		1.31	0.23 0.17 0.08 0.35 0.25 -0.05 0.23 0.15 0.02 0.26 0.17 0.11 0.07 0.05 0.13
QPSK50%	Front Rear Left edge Right edge	1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Coviation 1g SAR Deviation 1g SAR The SAR The SAR The SAR The SAR The SAR			0.182 0.131 0.08 0.274 0.193 -0.05 0.18 0.118 0.02 0.203 0.133 0.11 0.058 0.039 0.13			0.23 0.17 0.08 0.35 0.25 -0.05 0.23 0.15 0.02 0.26 0.17 0.11 0.07 0.05 0.13
QPSK50% RB	Front Rear Left edge Right edge Bottom edge Device orientation	1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR The SAR	Meas	sured SAR [0.182 0.131 0.08 0.274 0.193 -0.05 0.18 0.118 0.02 0.203 0.133 0.11 0.058 0.039 0.13	Rep	orted SAR [V	0.23 0.17 0.08 0.35 0.25 -0.05 0.23 0.15 0.02 0.26 0.17 0.11 0.07 0.05 0.13 V/kgl 23060
QPSK50% RB	Front Rear Left edge Right edge Bottom edge Device orientation	1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Coviation 1g SAR Deviation 1g SAR The SAR The SAR The SAR The SAR The SAR	Meas 23130 23.50	sured SAR [0.182 0.131 0.08 0.274 0.193 -0.05 0.18 0.118 0.02 0.203 0.133 0.11 0.058 0.039 0.13	Rep	orted SAR [V	0.23 0.17 0.08 0.35 0.25 -0.05 0.23 0.15 0.02 0.26 0.17 0.11 0.07 0.05 0.13 V/kgl 23060
QPSK50% RB	Front Rear Left edge Right edge Bottom edge Device orientation Tun	1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR The SAR	Meas 23130	sured SAR [1	0.182 0.131 0.08 0.274 0.193 -0.05 0.18 0.118 0.02 0.203 0.133 0.11 0.058 0.039 0.13 W/kgl 23060	Rep	orted SAR [V	0.23 0.17 0.08 0.35 0.25 -0.05 0.23 0.15 0.02 0.26 0.17 0.11 0.07 0.05 0.13 V/kgl 23060
Mode 10MHz QPSK100%	Front Rear Left edge Right edge Bottom edge Device orientation Tun	1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation SAR measureme nt e-up Power [dBm] 1g SAR	Meas 23130 23.50	sured SAR [1 23095 23.50	0.182 0.131 0.08 0.274 0.193 -0.05 0.18 0.118 0.02 0.203 0.133 0.11 0.058 0.039 0.13 W/kgl 23060	Rep 23130	orted SAR [V 23095	0.23 0.17 0.08 0.35 0.25 -0.05 0.23 0.15 0.02 0.26 0.17 0.11 0.07 0.05 0.13 W/kg 23060
QPSK50% RB Mode	Front Rear Left edge Right edge Bottom edge Device orientation Tun	1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR The SAR	Meas 23130 23.50	sured SAR [1 23095 23.50	0.182 0.131 0.08 0.274 0.193 -0.05 0.18 0.118 0.02 0.203 0.133 0.11 0.058 0.039 0.13 W/kgl 23060	Rep 23130	orted SAR [V 23095	0.23 0.17 0.08 0.35 0.25 -0.05 0.23 0.15 0.02 0.26 0.17 0.11 0.07 0.05 0.13 W/kg 23060
Mode 10MHz QPSK100%	Front Rear Left edge Right edge Bottom edge Device orientation Tun Measured F	1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation SAR measureme nt e-up Power [dBm] 1g SAR	Meas 23130 23.50	sured SAR [1 23095 23.50	0.182 0.131 0.08 0.274 0.193 -0.05 0.18 0.118 0.02 0.203 0.133 0.11 0.058 0.039 0.13 W/kgl 23060	Rep 23130	orted SAR [V 23095	0.23 0.17 0.08 0.35 0.25 -0.05 0.23 0.15 0.02 0.26 0.17 0.11 0.07 0.05 0.13 W/kg 23060
Mode 10MHz QPSK100% RB 10MHz	Front Rear Left edge Right edge Bottom edge Device orientation Tun Measured F	1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation SAR measureme nt e-up Power [dBm] 1g SAR 10g SAR	Meas 23130 23.50	sured SAR [1 23095 23.50	0.182 0.131 0.08 0.274 0.193 -0.05 0.18 0.118 0.02 0.203 0.133 0.11 0.058 0.039 0.13 W/kgl 23060	Rep 23130	orted SAR [V 23095	0.23 0.17 0.08 0.35 0.25 -0.05 0.23 0.15 0.02 0.26 0.17 0.11 0.07 0.05 0.13 W/kg 23060
Mode 10MHz QPSK100% RB	Front Rear Left edge Right edge Bottom edge Device orientation Tun Measured F	1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Tog SAR Deviation 1g SAR 10g SAR Deviation SAR measureme nt e-up Power [dBm] 1g SAR 10g SAR Deviation	Meas 23130 23.50	23095 23.50 22.26	0.182 0.131 0.08 0.274 0.193 -0.05 0.18 0.118 0.02 0.203 0.133 0.11 0.058 0.039 0.13 W/kgl 23060	Rep 23130	orted SAR [V 23095 Scaling factor 1.33	0.23 0.17 0.08 0.35 0.25 -0.05 0.23 0.15 0.02 0.26 0.17 0.11 0.07 0.05 0.13 W/kg] 23060



Table 14-21 LTE750-FDD13 #1 Head

		LTE75	0-FDD13 #1 Head	
Ambient Te	emperature:	22.2		22.3
Mode	Device	SAR	Measured SAR [W/kg]	Reported SAR [W/kg]
wode	orientation	measurement	23230	23230
			M	M
		ne-up	24.00	Scaling factor*
	Measured	Power [dBm]	23.27	1.18
		1g SAR	0.263	0.31
	Left Cheek	10g SAR	0.206	0.24
		Deviation	0.01	0.01
		1g SAR	0.22	0.26
10MHz	Left Tilt	10g SAR	0.176	0.21
QPSK1RB		Deviation	-0.05	-0.05
	B	1g SAR	0.295	0.35
	Right Cheek	10g SAR	0.23	0.27
		Deviation	-0.03	-0.03
		1g SAR	0.252	0.30
	Right Tilt	10g SAR	0.202	0.24
		Deviation	0.03	0.03
	Device	SAR	Measured SAR [W/kg]	Reported SAR [W/kg]
TRUE	orientation	measurement	23230	23230
			Н	Н
		ne-up	23.00	Scaling factor*
	Measured	Power [dBm]	22.25	1.19
		1g SAR	0.203	0.24
	Left Cheek	10g SAR	0.16	0.19
		Deviation	0.06	0.06
10MHz		1g SAR	0.166	0.20
10MHz QPSK50%	Left Tilt	10g SAR	0.132	0.16
QPSK50%	Left Tilt	10g SAR Deviation	0.132 -0.01	0.16 -0.01
		10g SAR Deviation 1g SAR	0.132 -0.01 0.225	0.16 -0.01 0.27
QPSK50%	Left Tilt Right Cheek	10g SAR Deviation 1g SAR 10g SAR	0.132 -0.01 0.225 0.173	0.16 -0.01 0.27 0.21
QPSK50%		10g SAR Deviation 1g SAR 10g SAR Deviation	0.132 -0.01 0.225 0.173 0.04	0.16 -0.01 0.27 0.21 0.04
QPSK50%	Right Cheek	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR	0.132 -0.01 0.225 0.173 0.04 0.175	0.16 -0.01 0.27 0.21 0.04 0.21
QPSK50%		10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR	0.132 -0.01 0.225 0.173 0.04 0.175	0.16 -0.01 0.27 0.21 0.04 0.21 0.17
QPSK50%	Right Cheek	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR	0.132 -0.01 0.225 0.173 0.04 0.175 0.141 0.09	0.16 -0.01 0.27 0.21 0.04 0.21 0.17 0.09
QPSK50%	Right Cheek Right Tilt Device	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation SAR	0.132 -0.01 0.225 0.173 0.04 0.175	0.16 -0.01 0.27 0.21 0.04 0.21 0.17
QPSK50% RB	Right Cheek Right Tilt	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation	0.132 -0.01 0.225 0.173 0.04 0.175 0.141 0.09	0.16 -0.01 0.27 0.21 0.04 0.21 0.17 0.09
QPSK50% RB	Right Cheek Right Tilt Device orientation	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation SAR	0.132 -0.01 0.225 0.173 0.04 0.175 0.141 0.09 Measured SAR [W/kg]	0.16 -0.01 0.27 0.21 0.04 0.21 0.17 0.09 Reported SAR [W/kg]
QPSK50% RB	Right Cheek Right Tilt Device orientation Tu	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation SAR Measurement	0.132 -0.01 0.225 0.173 0.04 0.175 0.141 0.09 Measured SAR [W/kg]	0.16 -0.01 0.27 0.21 0.04 0.21 0.17 0.09 Reported SAR [W/kg]
QPSK50% RB	Right Cheek Right Tilt Device orientation Tu	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR The same same same same same same same sam	0.132 -0.01 0.225 0.173 0.04 0.175 0.141 0.09 Measured SAR [W/kg]	0.16 -0.01 0.27 0.21 0.04 0.21 0.17 0.09 Reported SAR [W/kg] 23230 Scaling factor*
QPSK50% RB Mode	Right Cheek Right Tilt Device orientation Tu	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation SAR Deviation SAR measurement	0.132 -0.01 0.225 0.173 0.04 0.175 0.141 0.09 Measured SAR [W/kg]	0.16 -0.01 0.27 0.21 0.04 0.21 0.17 0.09 Reported SAR [W/kg] 23230 Scaling factor*
Mode 10MHz QPSK100%	Right Cheek Right Tilt Device orientation Tu Measured	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation SAR measurement ne-up Power [dBm] 1g SAR 10g SAR Deviation	0.132 -0.01 0.225 0.173 0.04 0.175 0.141 0.09 Measured SAR [W/kg]	0.16 -0.01 0.27 0.21 0.04 0.21 0.17 0.09 Reported SAR [W/kg] 23230 Scaling factor*
Mode 10MHz QPSK100%	Right Cheek Right Tilt Device orientation Tu Measured	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation SAR measurement ne-up Power [dBm] 1g SAR 10g SAR	0.132 -0.01 0.225 0.173 0.04 0.175 0.141 0.09 Measured SAR [W/kg]	0.16 -0.01 0.27 0.21 0.04 0.21 0.17 0.09 Reported SAR [W/kg] 23230 Scaling factor*
Mode 10MHz QPSK100% RB	Right Cheek Right Tilt Device orientation Tu Measured	10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation SAR measurement ne-up Power [dBm] 1g SAR 10g SAR Deviation	0.132 -0.01 0.225 0.173 0.04 0.175 0.141 0.09 Measured SAR [W/kg] 23230 23.00 22.21	0.16 -0.01 0.27 0.21 0.04 0.21 0.17 0.09 Reported SAR [W/kg] 23230 Scaling factor* 1.20



Table 14-22 LTE750-FDD13 #1 Body

LTF75	50-FDD13 #1 Body	
22.2	,	22.3
SAR	Measured SAR [W/kg]	Reported SAR [W/kg]
measurement	23230	23230
	M	M
ine-up	24.00	Scaling factor*
Power [dBm]	23.27	1.18
1g SAR	0.366	0.43
10g SAR	0.288	0.34
Deviation		0.14
		0.66
-		0.52
		-0.08 0.44
		0.31
		0.09
† 	0.472	0.56
10g SAR	0.329	0.39
Deviation	-0.02	-0.02
1g SAR	0.089	0.11
	0.049	0.06
Deviation	0.11	0.11
	Measured SAR [W/kg]	Reported SAR [W/kg]
SAR measurement	23230	23230
ine-up	23.00	Scaling factor*
Power [dBm]	22.25	1.19
Power [dBm]	22.25 0.294	1.19 0.35
1g SAR 10g SAR	22.25 0.294 0.231	1.19 0.35 0.27
Power [dBm] 1g SAR 10g SAR Deviation	22.25 0.294 0.231 0.09	1.19 0.35 0.27 0.09
1g SAR 10g SAR Deviation 1g SAR	22.25 0.294 0.231	1.19 0.35 0.27
Power [dBm] 1g SAR 10g SAR Deviation	22.25 0.294 0.231 0.09 0.427	1.19 0.35 0.27 0.09 0.51
1g SAR 10g SAR Deviation 1g SAR 10g SAR	22.25 0.294 0.231 0.09 0.427 0.333	1.19 0.35 0.27 0.09 0.51 0.40
1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation	22.25 0.294 0.231 0.09 0.427 0.333 0.12	1.19 0.35 0.27 0.09 0.51 0.40 0.12
1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR	22.25 0.294 0.231 0.09 0.427 0.333 0.12 0.295	1.19 0.35 0.27 0.09 0.51 0.40 0.12 0.35
Power [dBm] 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation	22.25 0.294 0.231 0.09 0.427 0.333 0.12 0.295 0.209	1.19 0.35 0.27 0.09 0.51 0.40 0.12 0.35 0.25
1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation	22.25 0.294 0.231 0.09 0.427 0.333 0.12 0.295 0.209	1.19 0.35 0.27 0.09 0.51 0.40 0.12 0.35 0.25 0.04 0.39 0.28
1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR 10g SAR Deviation 1g SAR	22.25 0.294 0.231 0.09 0.427 0.333 0.12 0.295 0.209 0.04 0.33	1.19 0.35 0.27 0.09 0.51 0.40 0.12 0.35 0.25 0.04
1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR 10g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR	22.25 0.294 0.231 0.09 0.427 0.333 0.12 0.295 0.209 0.04 0.33 0.238 -0.11 0.071	1.19 0.35 0.27 0.09 0.51 0.40 0.12 0.35 0.25 0.04 0.39 0.28 -0.11 0.08
1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR 10g SAR 10g SAR 10g SAR	22.25 0.294 0.231 0.09 0.427 0.333 0.12 0.295 0.209 0.04 0.33 0.238 -0.11 0.071 0.039	1.19 0.35 0.27 0.09 0.51 0.40 0.12 0.35 0.25 0.04 0.39 0.28 -0.11 0.08 0.05
1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR 10g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR	22.25 0.294 0.231 0.09 0.427 0.333 0.12 0.295 0.209 0.04 0.33 0.238 -0.11 0.071 0.039 0.08	1.19 0.35 0.27 0.09 0.51 0.40 0.12 0.35 0.25 0.04 0.39 0.28 -0.11 0.08 0.05 0.08
Power [dBm] 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation SAR	22.25 0.294 0.231 0.09 0.427 0.333 0.12 0.295 0.209 0.04 0.33 0.238 -0.11 0.071 0.039	1.19 0.35 0.27 0.09 0.51 0.40 0.12 0.35 0.25 0.04 0.39 0.28 -0.11 0.08 0.05
Power [dBm] 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation	22.25 0.294 0.231 0.09 0.427 0.333 0.12 0.295 0.209 0.04 0.33 0.238 -0.11 0.071 0.039 0.08	1.19 0.35 0.27 0.09 0.51 0.40 0.12 0.35 0.25 0.04 0.39 0.28 -0.11 0.08 0.05 0.08
Power [dBm] 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR Deviation SAR	22.25 0.294 0.231 0.09 0.427 0.333 0.12 0.295 0.209 0.04 0.33 0.238 -0.11 0.071 0.039 0.08 Measured SAR [W/kg]	1.19 0.35 0.27 0.09 0.51 0.40 0.12 0.35 0.25 0.04 0.39 0.28 -0.11 0.08 0.05 0.08 Reported SAR [W/kg]
Power [dBm] 1g SAR 10g SAR Deviation 1g SAR Deviation SAR Measurement	22.25 0.294 0.231 0.09 0.427 0.333 0.12 0.295 0.209 0.04 0.33 0.238 -0.11 0.071 0.039 0.08 Measured SAR [W/kg]	1.19 0.35 0.27 0.09 0.51 0.40 0.12 0.35 0.25 0.04 0.39 0.28 -0.11 0.08 0.05 0.08 Reported SAR [W/kg]
Power [dBm] 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation 1g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation	22.25 0.294 0.231 0.09 0.427 0.333 0.12 0.295 0.209 0.04 0.33 0.238 -0.11 0.071 0.039 0.08 Measured SAR [W/kg] 23230 23.00	1.19 0.35 0.27 0.09 0.51 0.40 0.12 0.35 0.25 0.04 0.39 0.28 -0.11 0.08 0.05 0.08 Reported SAR [W/kg] 23230 Scaling factor*
Power [dBm] 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation	22.25 0.294 0.231 0.09 0.427 0.333 0.12 0.295 0.209 0.04 0.33 0.238 -0.11 0.071 0.039 0.08 Measured SAR [W/kg] 23230 23.00	1.19 0.35 0.27 0.09 0.51 0.40 0.12 0.35 0.25 0.04 0.39 0.28 -0.11 0.08 0.05 0.08 Reported SAR [W/kg] 23230 Scaling factor*
1g SAR 10g SAR 10g SAR 10g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR 10g SAR Deviation 1g SAR tog SAR Deviation 1g SAR tog SAR	22.25 0.294 0.231 0.09 0.427 0.333 0.12 0.295 0.209 0.04 0.33 0.238 -0.11 0.071 0.039 0.08 Measured SAR [W/kg] 23230 23.00	1.19 0.35 0.27 0.09 0.51 0.40 0.12 0.35 0.25 0.04 0.39 0.28 -0.11 0.08 0.05 0.08 Reported SAR [W/kg] 23230 Scaling factor*
1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR Deviation 1g SAR The same same same same same same same sam	22.25 0.294 0.231 0.09 0.427 0.333 0.12 0.295 0.209 0.04 0.33 0.238 -0.11 0.071 0.039 0.08 Measured SAR [W/kg] 23230 23.00	1.19 0.35 0.27 0.09 0.51 0.40 0.12 0.35 0.25 0.04 0.39 0.28 -0.11 0.08 0.05 0.08 Reported SAR [W/kg] 23230 Scaling factor*
Power [dBm] 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR Deviation	22.25 0.294 0.231 0.09 0.427 0.333 0.12 0.295 0.209 0.04 0.33 0.238 -0.11 0.071 0.039 0.08 Measured SAR [W/kg] 23230 23.00 22.21	1.19 0.35 0.27 0.09 0.51 0.40 0.12 0.35 0.25 0.04 0.39 0.28 -0.11 0.08 0.05 0.08 Reported SAR [W/kg] 23230 Scaling factor*
	SAR measurement Ine-up I Power [dBm] 1g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR 10g SAR 10g SAR Deviation 1g SAR 10g SAR Deviation 1g SAR	SAR measurement Measured SAR [W/kg] Ine-up 24.00 I Power [dBm] 23.27 1g SAR 0.366 10g SAR 0.288 Deviation 0.14 1g SAR 0.562 10g SAR 0.439 Deviation -0.08 1g SAR 0.371 10g SAR 0.26 Deviation 0.09 1g SAR 0.472 10g SAR 0.329 Deviation -0.02 1g SAR 0.089 10g SAR 0.049 Deviation 0.11 Measured SAR [W/kg]



14.3 Full SAR

Test Band	Channel	Frequency	Tune-Up	Measured Power	Test Position	Measured 10g SAR	Measured 1g SAR	Reported 10g SAR	Reported 1g SAR	Power Drift	Figure
GSM850	251	848.8 MHz	33.3	32.56	Right Cheek	0.237	0.316	0.28	0.37	0.03	Fig A. 1
GSM850	251	848.8 MHz	27.5	27.07	Rear	0.368	0.48	0.41	0.53	-0.08	Fig A. 2
PCS1900	512	1850.2 MHz	30.3	29.54	Left Cheek	0.162	0.258	0.19	0.31	0.06	Fig A.3
PCS1900	512	1850.2 MHz	28	27. 26	Rear	0.335	0.505	0.40	0.60	-0.09	<u>Fig A.4</u>
WCDMA1900-BII	9538	1907.6 MHz	24	23.60	Right Cheek	0.315	0.527	0.35	0.58	0.19	<u>Fig A.5</u>
WCDMA1900-BII	9400	1880 MHz	24	23.67	Rear	0.349	0.635	0.38	0.69	-0.19	<u>Fig A. 6</u>
WCDMA1700-BIV	1513	1752.6 MHz	24	23.52	Right Cheek	0.275	0.436	0.31	0.49	0.14	Fig A. 7
WCDMA1700-BIV	1412	1732.4 MHz	24	23.55	Rear	0.495	0.736	0.55	0.82	-0.09	<u>Fig A. 8</u>
WCDMA850-BV	4132	826.4 MHz	24	23.42	Right Cheek	0.25	0.336	0.29	0.38	0.09	Fig A. 9
WCDMA850-BV	4182	835.4 MHz	24	23.41	Rear	0.387	0.503	0.44	0.58	-0.01	Fig A. 10
LTE1900-FDD2	19100	1900 MHz	24.5	23.33	Left Cheek	0.33	0.535	0.43	0.70	-0.05	Fig A. 11
LTE1900-FDD2	19100	1900 MHz	24.5	23.33	Rear	0.46	0.709	0.60	0.93	-0.09	Fig A. 12
LTE1700-FDD4	20300	1745 MHz	24.5	23.35	Right Cheek	0.289	0.469	0.38	0.61	0.09	Fig A. 13
LTE1700-FDD4	20300	1745 MHz	24.5	23.35	Rear	0.577	0.879	0.75	1.15	-0.09	Fig A. 14
LTE850-FDD5	20525	836.5 MHz	24.5	23.29	Right Cheek	0.212	0.28	0.28	0.37	0.03	Fig A. 15
LTE850-FDD5	20525	836.5 MHz	24.5	23.29	Rear	0.319	0.412	0.42	0.54	-0.03	Fig A. 16
LTE2500-FDD7	20850	2510 MHz	23	22.25	Left Cheek	0.295	0.564	0.35	0.67	0.03	Fig A. 17
LTE2500-FDD7	20850	2510 MHz	23	22.25	Rear	0.474	0.913	0.56	1.09	-0.02	Fig A. 18
LTE700-FDD12	23095	707.5 MHz	24.5	23.40	Right Cheek	0.112	0.142	0.14	0.18	0.01	Fig A. 19
LTE700-FDD12	23095	707.5 MHz	24.5	23.40	Rear	0.281	0.357	0.36	0.46	-0.02	Fig A. 20
LTE750-FDD13	23230	782 MHz	24	23.27	Right Cheek	0.23	0.295	0.27	0.35	-0.03	Fig A. 21
LTE750-FDD13	23230	782 MHz	24	23. 27	Rear	0.439	0.562	0.52	0.66	-0.08	Fig A. 22



14.4 WLAN Evaluation

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

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

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

Note3: 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.

WLAN2450 #1 Head Fast SAR 22.2 22.3 Ambient Temperature: Liquid Temperature: Measured SAR [W/kg] Reported SAR [W/kg] SAR Device 11 Rate orientation measurement 11 1 6 2462 MHz 2437 MHz 2412 MHz 16.2 16.3 Scaling factor* Tune up 17 Slot Average Power [dBm] 15.14 16.69 14.49 1.28 1.52 1.07 1g Fast SAR 0.72 0.674 Left Cheek 10g SAR 0.308 0.33 Deviation -0.12 -0.12 1g Fast SAR 0.465 0.50 802.11b Left Tilt 10g SAR 0.232 0.25 1Mbps Deviation -0.12 -0.12 1g Fast SAR 0.318 0.34 Right Cheek 10g SAR 0.123 0.13 Deviation 80.0 0.08 1g Fast SAR 0.283 0.30 Right Tilt 10g SAR 0.084 0.09 Deviation 0.03 0.03 802.11b 1g Fast SAR 0.663 0.71 1Mbps Left Cheek 10g SAR 0.301 0.32 B2 Deviation 0.03 0.03

Table 14-23 WLAN2450 Head Fast SAR

Table 14-24 WLAN2450 Head Full SAR

			WLAN2	450 #1 Head F	ull SAR			
Ambient Te	emperature:	22.3				Liquid Ter	mperature:	22.2
	Dovice	CAD	Mea	sured SAR [V	V/kg]	Rep	orted SAR [V	V/kg]
Rate	Device SAR		11	6	1	11	6	1
	orientation measuremen		2462 MHz	2437 MHz	2412 MHz	11	0	•
	Tur	ne up	16.2	17	16.3	:	Scaling factor*	
	Slot Average Power [dBm]		15.14	16.69	14.49	1.28	1.07	1.52
		1g Full SAR		0.683			0.73	
802.11b	Left Cheek	10g SAR		0.298			0.32	
1Mbps		Deviation		-0.12			-0.12	
		1g Full SAR		0.506			0.54	
	Left Tilt	10g SAR		0.212			0.23	
		Deviation		-0.12			-0.12	



	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									
Frequ	uency	Took Desition	Actual duty	maximum duty	Reported	Scaled reported	Ciarra			
MHz	MHz Ch. Test Position factor factor SAR(1g)(W/kg) SAR(1g)(W/kg) Figure									
2437	6	Left Cheek	99.53%	100%	0.73	0.73	Fig.23			

Table 14-25 WLAN2450 Body Fast SAR

			\A/I A N/O	450 #1 Bady Fa	od CAD			
Ambient T	mporatura	22.3	VVLAINZ	450 #1 Body Fa	ISI SAR	Liquid Ton	oporaturo:	22.2
Ambient 16	emperature:	22.3	Man	OAD D	M/II1	Liquid Ten	orted SAR [V	
	Device	SAR		sured SAR [V		кер	v/kgj	
Rate	orientation	measurement	11	6	1	11	6	1
			2462 MHz	2437 MHz	2412 MHz			
	Tur	ie up	16.2	17	16.3		Scaling factor	.*
	Slot Average	Power [dBm]	15.14	16.69	14.49	1.28	1.07	1.52
		1g Fast SAR		0.096			0.10	
	Front	10g SAR		0.051			0.05	
		Deviation		-0.07			-0.07	
		1g Fast SAR		0.118			0.13	
802.11b	Rear	10g SAR		0.058			0.06	
1Mbps		Deviation		-0.05			-0.05	
		1g Fast SAR		0.085			0.09	
	Top edge	10g SAR		0.045			0.05	
		Deviation		-0.15			-0.15	
		1g Fast SAR		0.076			0.08	
	Right edge	10g SAR		0.035			0.04	
		Deviation		0.13			0.13	
802.11b		1g Fast SAR		0.109			0.12	
1Mbps	Rear	10g SAR		0.053			0.06	
B2		Deviation		0.04			0.04	

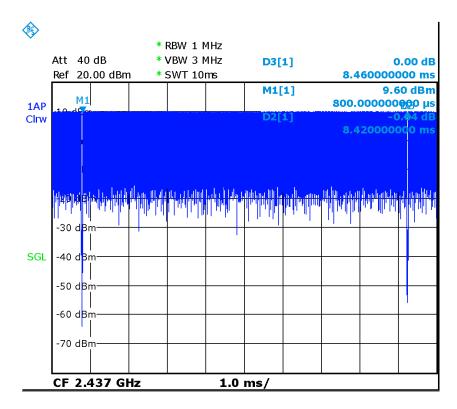
Table 14-26 WLAN2450 Body Full SAR

			WLAN2	450 #1 Body Fi	ull SAR					
Ambient Te	mperature:	22.3				Liquid Ter	22.2			
	Device SAR			Measured SAR [W/kg]			Reported SAR [W/kg]			
Rate		measurement	11	6	1	11	6	4		
		measurement	2462 MHz	2437 MHz	2412 MHz		Ů	'		
	Tur	ne up	16.2	17	16.3	Scaling factor*				
802.11b	Slot Average	Power [dBm]	15.14	16.69	14.49	1.28	1.07	1.52		
1Mbps	Rear	1g Full SAR		0.12			0.13			
TIMIDES		10g SAR		0.06			0.06			
		Deviation		-0.05			-0.05			

	J	e KDB248227 D01, The reported Sance at the maximum tune-up tolera			•					
Frequ MHz	Frequency Test Position Actual duty maximum duty Reported Scaled reported Figure									
MHz Ch. factor factor SAR(1g)(W/kg) SAR(1g)(W/kg) 2437 6 Rear 99.53% 100% 0.13 0.13 Fig.24										

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





Picture 14.1 Duty factor plot



15 SAR Measurement Variability

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

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

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

Mode	Channel	Test Poisition	Original SAR (W/kg)	First Repeated SAR(W/kg)	The Ratio
LTE1700-FDD4	20300	Rear	0.879	0.867	1.01
LTE2500-FDD7	20850	Rear	0.913	0.904	1.01



16 Measurement Uncertainty

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

	weasurement on	oo. ta		a. 6 ,	0010	(555	•	, 		
No.	Error Description	Type	Uncertainty	Probably	Div.	(Ci)	(Ci)	Std.	Std.	Degree
			value	Distribution		1g	10g	Unc.	Unc.	of
								(1g)	(10g)	freedo
										m
Meas	surement system									
1	Probe calibration	В	6.0	N	1	1	1	6.0	6.0	∞
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	N	1	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	RFambient conditions-reflection	В	0	R	$\sqrt{3}$	1	1	0	0	∞
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	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	∞
			Phant	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	$u_c^{'} =$	$= \sqrt{\sum_{i=1}^{21} c_i^2 u_i^2}$					9.55	9.43	257
_	·		$u_e = 2u_c$					19.1	18.9	
16.2	Measurement U	ncerta	ainty for No	ormal 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
Meas	surement system	1	.	T	,			r	1	T
1	Probe calibration	В	6.55	N	1	1	1	6.55	6.55	∞
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	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	œ
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	∞
19	Liquid conductivity (meas.)	A	2.06	N	1	0.64	0.43	1.32	0.89	43
20	Liquid permittivity	В	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞



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

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
Meas	surement system									
1	Probe calibration	В	6.0	N	1	1	1	6.0	6.0	∞
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	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	В	0	R	$\sqrt{3}$	1	1	0	0	∞
9	conditions-noise	D	U	K	V3	1	1	U	U	ω
10	RF ambient	В	0	R	$\sqrt{3}$	1	1	0	0	8
10	conditions-reflection	Ъ	U	K	γ3	1	1	U	U	55
11	Probe positioned	В	0.4	R	$\sqrt{3}$	1	1	0.2	0.2	∞
11	mech. Restrictions	Ъ	0.4	K	ν3	1	1	0.2	0.2	
	Probe positioning									
12	with respect to	В	2.9	R	$\sqrt{3}$	1	1	1.7	1.7	∞
	phantom shell									
13	Post-processing	В	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
14	Fast SAR z-	В	7.0	R	$\sqrt{3}$	1	1	4.0	4.0	∞
	Approximation	В	7.0	IX.	VS		•	1.0	1.0	
		Ī	Test	sample related	l	ı	ı	ı		Г
15	Test sample	A	3.3	N	1	1	1	3.3	3.3	71
	positioning			-,				0.0		, 1
16	Device holder	A	3.4	N	1	1	1	3.4	3.4	5
	uncertainty									
17	Drift of output power	В	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
1				tom and set-uj	<u> </u>	ı	ı	ı		T
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	∞
22	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	1.0	0.8	521
(Combined standard uncertainty	$u_{c}^{'} =$	$\sqrt{\sum_{i=1}^{22} c_i^2 u_i^2}$					10.4	10.3	257
_	inded uncertainty fidence interval of	l	$u_e = 2u_c$					20.8	20.6	

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	surement system									
1	Probe calibration	В	6.55	N	1	1	1	6.55	6.55	∞
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	8
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	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
14	Fast SAR z- Approximation	В	14.0	R	$\sqrt{3}$	1	1	8.1	8.1	&
			Test	sample related	l					
15	Test sample positioning	A	3.3	N	1	1	1	3.3	3.3	71

©Copyright. All rights reserved by CTTL.



No. I17Z62177-SEM01 Page 72 of 192

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	8	
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	∞	
22	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	1.0	0.8	521	
(Combined standard uncertainty	$u_c^{'} =$	$\sqrt{\sum_{i=1}^{22} c_i^2 u_i^2}$					13.5	13.4	257	
Expanded uncertainty (confidence interval of 95 %)		ı	$u_e = 2u_c$					27.0	26.8		



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	January 13, 2017	One year
02	Power meter	NRVD	102196	March 2, 2017	One year
03	Power sensor	NRV-Z5	100596	IVIAICITZ, 2017	One year
04	Signal Generator	E4438C	MY49071430	January 13,2017	One Year
05	Amplifier	60S1G4	0331848	No Calibration Re	equested
06	BTS	E5515C	MY50263375	January 16, 2017	One year
07	BTS	CMW500	149646	October 31,2017	One year
08	E-field Probe	SPEAG EX3DV4	3846	January 13,2017	One year
09	DAE	SPEAG DAE4	1331	January19, 2017	One year
10	Dipole Validation Kit	SPEAG D750V3	1017	July 19,2017	One year
11	Dipole Validation Kit	SPEAG D835V2	4d069	July 19,2017	One year
12	Dipole Validation Kit	SPEAG D1750V2	1003	July 21,2017	One year
13	Dipole Validation Kit	SPEAG D1900V2	5d101	July 26,2017	One year
14	Dipole Validation Kit	SPEAG D2450V2	853	July 21,2017	One year
15	Dipole Validation Kit	SPEAG D2600V2	1012	July 21,2017	One year

^{***}END OF REPORT BODY***



ANNEX A Graph Results

GSM850_CH251 Right Cheek

Date: 12/20/2017

Electronics: DAE4 Sn1331 Medium: Head 835 MHz

Medium parameters used: f = 848.8 MHz; $\sigma = 0.928 \text{ mho/m}$; $\epsilon r = 41.73$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.2°C, Liquid Temperature: 22.3°C Communication System: GSM850 848.8 MHz Duty Cycle: 1:8.3

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

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

Maximum value of SAR (interpolated) = 0.346 W/kg

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

Reference Value = 3.923 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.41 W/kg

SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.237 W/kg

Maximum value of SAR (measured) = 0.351 W/kg

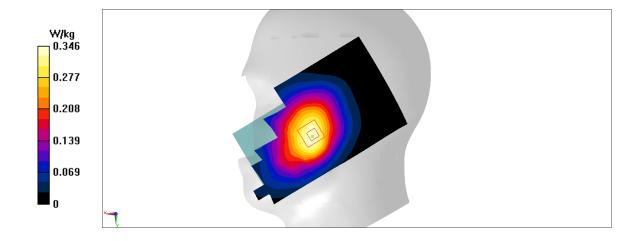


Fig A.1



GSM850 CH251 Rear

Date: 12/20/2017

Electronics: DAE4 Sn1331 Medium: Body 835 MHz

Medium parameters used: f = 848.8 MHz; $\sigma = 1 \text{ mho/m}$; $\epsilon r = 54.11$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.2°C, Liquid Temperature: 22.3°C Communication System: GSM850 848.8 MHz Duty Cycle: 1:2

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

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mmMaximum value of SAR (interpolated) = 0.522 W/kg

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

Reference Value = 21.95 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.615 W/kg

SAR(1 g) = 0.48 W/kg; SAR(10 g) = 0.368 W/kg

Maximum value of SAR (measured) = 0.503 W/kg

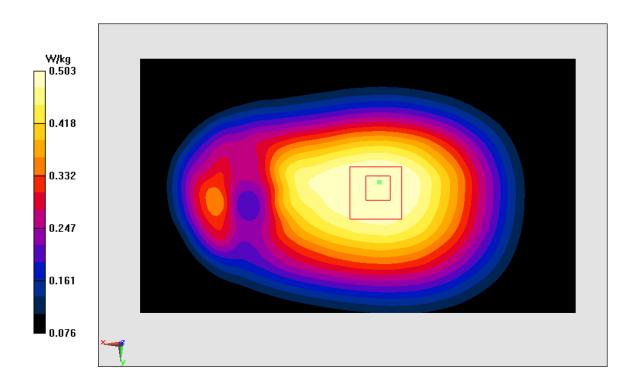


Fig A.2



PCS1900_CH512 Left Cheek

Date: 12/22/2017

Electronics: DAE4 Sn1331 Medium: Head 1900 MHz

Medium parameters used: f = 1850.2 MHz; $\sigma = 1.338 \text{ mho/m}$; $\epsilon r = 40.32$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.2°C, Liquid Temperature: 22.3°C Communication System: PCS1900 1850.2 MHz Duty Cycle: 1:8.3

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

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

Maximum value of SAR (interpolated) = 0.321 W/kg

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

Reference Value = 4.25 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.4 W/kg

SAR(1 g) = 0.258 W/kg; SAR(10 g) = 0.162 W/kg

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

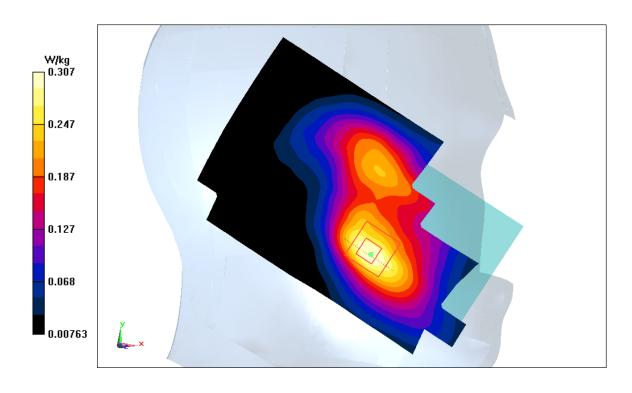


Fig A.3



PCS1900 CH512 Rear

Date: 12/22/2017

Electronics: DAE4 Sn1331 Medium: Body 1900 MHz

Medium parameters used: f = 1850.2 MHz; $\sigma = 1.485 \text{ mho/m}$; $\epsilon r = 53.94$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.2°C, Liquid Temperature: 22.3°C Communication System: PCS1900 1850.2 MHz Duty Cycle: 1:4

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

Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mmMaximum value of SAR (interpolated) = 0.602 W/kg

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

Reference Value = 15.1 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.812 W/kg

SAR(1 g) = 0.505 W/kg; SAR(10 g) = 0.335 W/kgMaximum value of SAR (measured) = 0.576 W/kg

0.576 0.465 0.353 0.242 0.130

Fig A.4



WCDMA1900-BII_CH9538 Right Cheek

Date: 12/22/2017

Electronics: DAE4 Sn1331 Medium: Head 1900 MHz

Medium parameters used: f = 1907.6 MHz; $\sigma = 1.394 \text{ mho/m}$; $\epsilon r = 40.25$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.2°C, Liquid Temperature: 22.3°C

Communication System: WCDMA1900-BII 1907.6 MHz Duty Cycle: 1:1

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

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

Maximum value of SAR (interpolated) = 0.649 W/kg

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

Reference Value = 7.54 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.822 W/kg

SAR(1 g) = 0.527 W/kg; SAR(10 g) = 0.315 W/kg

Maximum value of SAR (measured) = 0.624 W/kg

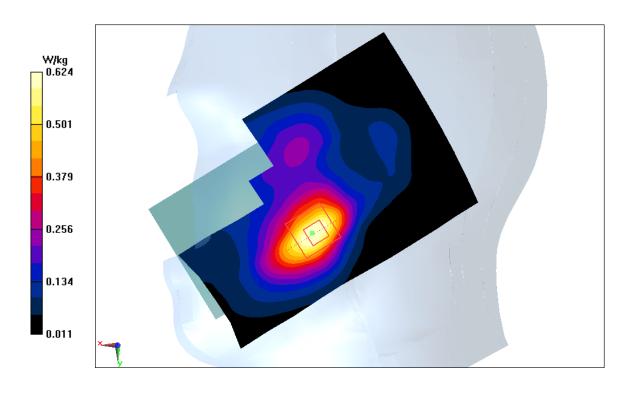


Fig A.5



WCDMA1900-BII_CH9400 Rear

Date: 12/22/2017

Electronics: DAE4 Sn1331 Medium: Body 1900 MHz

Medium parameters used: f = 1880 MHz; $\sigma = 1.514 \text{ mho/m}$; $\epsilon r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.2°C, Liquid Temperature: 22.3°C

Communication System: WCDMA1900-BII 1880 MHz Duty Cycle: 1:1

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

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

Maximum value of SAR (interpolated) = 0.816 W/kg

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

Reference Value = 12.05 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.635 W/kg; SAR(10 g) = 0.349 W/kg

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

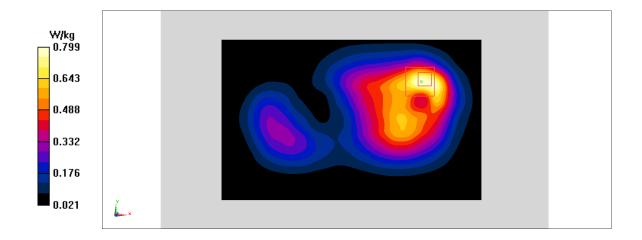


Fig A.6



WCDMA1700-BIV_CH1513 Right Cheek

Date: 12/21/2017

Electronics: DAE4 Sn1331 Medium: Head 1750 MHz

Medium parameters used: f = 1752.6 MHz; $\sigma = 1.368 \text{ mho/m}$; $\epsilon r = 40.5$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.2°C, Liquid Temperature: 22.3°C

Communication System: WCDMA1700-BIV 1752.6 MHz Duty Cycle: 1:1

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

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

Maximum value of SAR (interpolated) = 0.531 W/kg

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

Reference Value = 6.575 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.646 W/kg

SAR(1 g) = 0.436 W/kg; SAR(10 g) = 0.275 W/kg

Maximum value of SAR (measured) = 0.508 W/kg

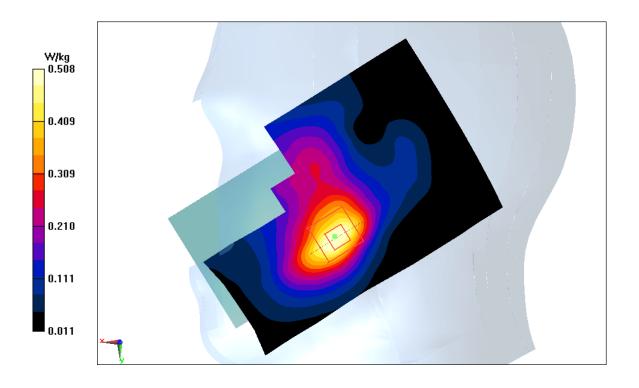


Fig A.7