	High (14)	836.5	24.5	22.84	0	21.86	1
		825.5	24.5	23.03	0	22.55	1
	1RB Middle (7)	847.5	24.5	22.74	0	22.29	1
		836.5	24.5	22.92	0	21.91	1
		825.5	24.5	23.09	0	22.61	1
	1RB Low (0)	847.5	24.5	22.70	0	22.25	1
		836.5	24.5	22.92	0	21.96	1
		825.5	24.5	23.06	0	22.56	1
	8RB High (7)	847.5	24.5	21.84	1	20.85	2
		836.5	24.5	21.95	1	20.94	2
		825.5	24.5	22.17	1	21.16	2
	8RB Middle (4)	847.5	24.5	21.86	1	20.85	2
		836.5	24.5	21.95	1	20.96	2
		825.5	24.5	22.19	1	21.20	2
	8RB Low (0)	847.5	24.5	21.86	1	20.84	2
		836.5	24.5	21.97	1	20.96	2
		825.5	24.5	22.18	1	21.19	2
	15RB (0)	847.5	24.5	21.81	1	20.74	2
		836.5	24.5	21.94	1	20.86	2
		825.5	24.5	22.14	1	21.07	2
5 MHz	1RB High (24)	846.5	24.5	22.73	0	21.66	1
		836.5	24.5	22.83	0	21.88	1
		826.5	24.5	23.02	0	21.95	1
	1RB Middle (12)	846.5	24.5	22.78	0	21.69	1
		836.5	24.5	22.93	0	21.97	1
		826.5	24.5	23.00	0	21.96	1
	1RB Low (0)	846.5	24.5	22.78	0	21.69	1
		836.5	24.5	22.99	0	22.03	1
		826.5	24.5	23.13	0	22.04	1
	12RB High (13)	846.5	24.5	21.81	1	20.85	2
		836.5	24.5	21.95	1	20.96	2
		826.5	24.5	21.93	1	21.05	2
	12RB Middle (6)	846.5	24.5	21.83	1	20.87	2
		836.5	24.5	21.98	1	20.98	2
		826.5	24.5	22.07	1	21.17	2
	12RB Low (0)	846.5	24.5	21.82	1	20.85	2
		836.5	24.5	22.00	1	21.02	2
		826.5	24.5	22.19	1	21.21	2
	25RB (0)	846.5	24.5	21.76	1	20.68	2
		836.5	24.5	21.92	1	20.85	2
		826.5	24.5	22.13	1	21.06	2

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10 MHz	1RB High (49)	844.0	24.5	22.77	0	22.30	1
		836.5	24.5	22.86	0	21.84	1
		829.0	24.5	23.05	0	22.56	1
	1RB Middle (24)	844.0	24.5	22.77	0	22.31	1
		836.5	24.5	22.98	0	21.96	1
		829.0	24.5	22.75	0	22.38	1
	1RB Low (0)	844.0	24.5	22.83	0	22.30	1
		836.5	24.5	23.04	0	22.04	1
		829.0	24.5	23.18	0	22.70	1
	25RB High (25)	844.0	24.5	21.78	1	20.85	2
		836.5	24.5	21.90	1	20.95	2
		829.0	24.5	22.00	1	21.16	2
	25RB Middle (12)	844.0	24.5	21.80	1	20.86	2
		836.5	24.5	21.93	1	21.00	2
		829.0	24.5	21.93	1	21.08	2
	25RB Low (0)	844.0	24.5	21.79	1	20.87	2
		836.5	24.5	21.94	1	21.03	2
		829.0	24.5	22.17	1	21.24	2
	50RB (0)	844.0	24.5	21.80	1	20.81	2
		836.5	24.5	21.95	1	20.97	2
		829.0	24.5	22.15	1	21.17	2

Band 12

Bandwidth (MHz)	RB allocation / RB offset (Start RB)	Frequency (MHz)	Max. Target Power (dBm)	QPSK		16QAM	
				Actual output power (dBm)	MPR	Actual output power (dBm)	MPR
1.4 MHz	1RB High (5)	715.3	24	22.77	0	21.73	1
		707.5	24	22.73	0	21.75	1
		699.7	24	22.65	0	21.69	1
	1RB Middle (3)	715.3	24	22.79	0	21.75	1
		707.5	24	22.72	0	21.76	1
		699.7	24	22.68	0	21.72	1
	1RB Low (0)	715.3	24	22.75	0	21.71	1
		707.5	24	22.74	0	21.73	1
		699.7	24	22.68	0	21.68	1
	3RB High (3)	715.3	24	22.83	0	21.96	1
		707.5	24	22.76	0	21.98	1
		699.7	24	22.81	0	21.94	1
	3RB Middle (1)	715.3	24	22.75	0	21.90	1
		707.5	24	22.74	0	21.94	1
		699.7	24	22.70	0	21.89	1
	3RB	715.3	24	22.82	0	21.95	1

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	Low (0)	707.5	24	22.78	0	21.99	1
		699.7	24	22.76	0	21.93	1
	6RB (0)	715.3	24	21.74	1	20.90	2
		707.5	24	21.71	1	20.91	2
		699.7	24	21.66	1	20.89	2
3 MHz	1RB High (14)	714.5	24	22.72	0	22.11	1
		707.5	24	22.66	0	22.17	1
		700.5	24	22.62	0	22.09	1
	1RB Middle (7)	714.5	24	22.78	0	22.16	1
		707.5	24	22.62	0	22.23	1
		700.5	24	22.66	0	22.17	1
	1RB Low (0)	714.5	24	22.72	0	22.20	1
		707.5	24	22.73	0	22.18	1
		700.5	24	22.62	0	22.11	1
	8RB High (7)	714.5	24	21.79	1	20.85	2
		707.5	24	21.80	1	20.93	2
		700.5	24	21.72	1	20.79	2
	8RB Middle (4)	714.5	24	21.80	1	20.86	2
		707.5	24	21.81	1	20.95	2
		700.5	24	21.70	1	20.80	2
	8RB Low (0)	714.5	24	21.80	1	20.88	2
		707.5	24	21.82	1	20.94	2
		700.5	24	21.68	1	20.76	2
	15RB (0)	714.5	24	21.82	1	20.80	2
		707.5	24	21.80	1	20.87	2
		700.5	24	21.70	1	20.70	2
5 MHz	1RB High (24)	713.5	24	22.71	0	21.58	1
		707.5	24	22.69	0	21.61	1
		701.5	24	22.67	0	21.58	1
	1RB Middle (12)	713.5	24	22.75	0	21.63	1
		707.5	24	22.16	0	21.22	1
		701.5	24	22.72	0	21.61	1
	1RB Low (0)	713.5	24	22.76	0	21.66	1
		707.5	24	22.76	0	21.62	1
		701.5	24	22.67	0	21.57	1
	12RB High (13)	713.5	24	21.83	1	20.91	2
		707.5	24	21.38	1	20.60	2
		701.5	24	21.79	1	20.89	2
	12RB Middle (6)	713.5	24	21.85	1	20.95	2
		707.5	24	21.29	1	20.46	2
		701.5	24	21.79	1	20.87	2
	12RB Low (0)	713.5	24	21.86	1	20.97	2
		707.5	24	21.47	1	20.65	2

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		701.5	24	21.75	1	20.86	2
	25RB (0)	713.5	24	21.79	1	20.78	2
		707.5	24	21.42	1	20.53	2
		701.5	24	21.71	1	20.72	2
10 MHz	1RB High (49)	711	24	22.75	0	22.17	1
		707.5	24	22.74	0	22.27	1
		704	24	22.28	0	21.96	1
	1RB Middle (24)	711	24	22.76	0	22.29	1
		707.5	24	22.15	0	21.84	1
		704	24	22.69	0	22.24	1
	1RB Low (0)	711	24	22.74	0	22.28	1
		707.5	24	22.75	0	22.24	1
		704	24	22.71	0	22.22	1
	25RB High (25)	711	24	21.77	1	20.91	2
		707.5	24	21.73	1	20.86	2
		704	24	21.45	1	20.70	2
	25RB Middle (12)	711	24	21.80	1	20.93	2
		707.5	24	21.37	1	20.50	2
		704	24	21.78	1	20.90	2
	25RB Low (0)	711	24	21.75	1	20.93	2
		707.5	24	21.79	1	20.85	2
		704	24	21.77	1	20.89	2
	50RB (0)	711	24	21.81	1	20.90	2
		707.5	24	21.81	1	20.86	2
		704	24	21.81	1	20.88	2

11.5 Wi-Fi and BT Measurement result

The output power of BT antenna is as following:

Mode	Conducted Power (dBm)		
	Channel 0 (2402MHz)	Channel 39 (2441MHz)	Channel 78 (2480MHz)
GFSK	5.88	7.61	6.72
EDR2M-4_DQPSK	5.07	6.60	5.60
EDR3M-8DPSK	5.36	7.05	5.40

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

802.11b (dBm)

Channel\data rate	1Mbps	2Mbps	5.5Mbps	11Mbps
1	19.22	\	18.95	\
6	19.70	19.82	19.92	19.42
11	19.30	\	19.39	\

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802.11g (dBm)

Channel\data rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
1	16.05	\	\	\	\	\	\	\
6	16.63	16.56	16.47	16.39	16.34	15.81	15.99	15.94
11	16.22	\	\	\	\	\	\	\

802.11n (dBm) - HT20 (2.4G)

Channel\data rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
1	15.04	\	\	\	\	\	\	\
6	15.65	15.49	15.39	15.30	15.17	15.08	15.03	14.95
11	14.82	\	\	\	\	\	\	\

802.11n (dBm) – HT40 (2.4G)

Channel\data rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
3	14.40	\	\	\	\	\	\	\
6	14.53	14.38	14.06	13.92	13.72	13.51	13.20	12.11
9	14.11	\	\	\	\	\	\	\

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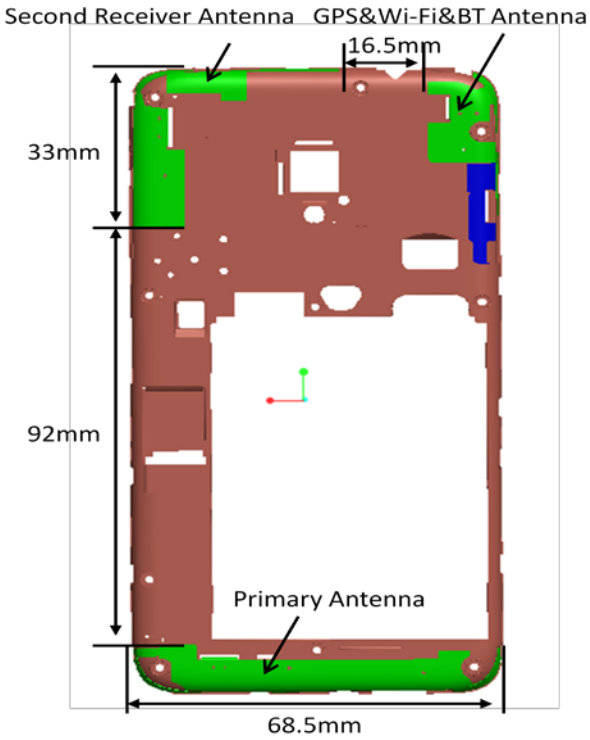
12 Simultaneous TX SAR Considerations

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	Yes	No	Yes	No

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12.4 Standalone SAR Test Exclusion Considerations

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

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

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

Table 12.1: Standalone SAR test exclusion considerations

Band/Mode	F(GHz)	Position	SAR test exclusion threshold (mW)	RF output power		SAR test exclusion
				dBm	mW	
Bluetooth	2.441	Head	9.60	8.5	7.08	Yes
		Body	19.20	8.5	7.08	Yes
2.4GHz WLAN	2.45	Head	9.58	20	100	No
		Body	19.17	20	100	No

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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	Right hand, Touch cheek	0.61	0.12	**0.73**
Highest reported SAR value for Body	Rear	1.24	0.34	**1.58**
	Bottom	1.31	/	**1.31**

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

	Position	Main antenna	BT	Sum
Maximum reported SAR value for Head	Right hand, Touch cheek	0.61	0.29[1]	**0.90**
Maximum reported SAR value for Body	Rear	1.24	0.15[1]	**1.39**
	Bottom	1.31	0.15[1]	**1.46**

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

Table 13.3: Estimated SAR for Bluetooth

Mode/Band	F (GHz)	Position	Distance (mm)	Upper limit of power *		Estimated$_{1g}$ (W/kg)
				dBm	mW	
Bluetooth	2.441	Head	5	8.5	7.08	0.29
Bluetooth	2.441	Body	10	8.5	7.08	0.15

* - Maximum possible output power declared by manufacturer

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

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

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14 SAR Test Result

It is determined by user manual for the distance between the EUT and the phantom bottom.
The distance is 10 mm and just applied to the condition of body worn accessory.
It is performed for all SAR measurements with area scan based 1-g SAR estimation (Fast SAR). A zoom scan measurement is added when the estimated 1-g SAR is the highest measured SAR in each exposure configuration, wireless mode and frequency band combination or more than 1.2W/kg.

The calculated SAR is obtained by the following formula:

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

Where P_{Target} is the power of manufacturing upper limit;
$P_{Measured}$ is the measured power in chapter 11.

Table 14.1: Duty Cycle

Mode	**Duty Cycle**
Speech for GSM850/1900	1:8.3
GPRS&EGPRS for 850/1900	1:8
WCDMA&LTE	1:1

14.1 The evaluation of multi-batteries

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

Table 14.1-1: The evaluation of multi-batteries for Head Test

Frequency		Mode/Band	Side	Test Position	Battery Type	SAR(1g)	Power
MHz	Ch.					(W/kg)	Drift(dB)
711	23130	LTE Band12	Right	Touch	CAB2000010C1	0.191	0.10
711	23130	LTE Band12	Right	Touch	CAB2000059C2	0.179	-0.08

Note: According to the values in the above table, the battery, CAB2000010C1, is the primary battery. We'll perform the head measurement with this battery and retest on highest value point with others .

Table 14.1-2: The evaluation of multi-batteries for Body Test

Frequency		Mode/Band	Test Position	Spacing (mm)	Battery Type	SAR(1g)	Power
MHz	Ch.					(W/kg)	Drift(dB)
704	23060	LTE Band12	Rear	10	CAB2000010C1	0.299	-0.14
704	23060	LTE Band12	Rear	10	CAB2000059C2	0.305	-0.01

Note: According to the values in the above table, the battery, CAB2000059C2, is the primary battery. We'll perform the Body measurement with this battery and retest on highest value point with others .

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Table 14.1-3: The evaluation of multi-slots for Head Test

Frequency		Mode/Band	Side	Test Position	SIM	SAR(1g)	Power
MHz	Ch.					(W/kg)	Drift(dB)
711	23130	LTE Band12	Right	Touch	1	0.177	0.08
711	23130	LTE Band12	Right	Touch	2	0.191	0.10

Note: According to the values in the above table, the slot, SIM2, is the primary slot. We'll perform the head measurement with this slot and retest on highest value point with others.

Table 14.1-4: The evaluation of multi-slots for Body Test

Frequency		Mode/Band	Test Position	Spacing (mm)	SIM	SAR(1g)	Power
MHz	Ch.					(W/kg)	Drift(dB)
704	23060	LTE Band12	Rear	10	1	0.301	-0.05
704	23060	LTE Band12	Rear	10	2	0.305	-0.01

Note: According to the values in the above table, the slot, SIM2, is the primary slot. We'll perform the head measurement with this slot and retest on highest value point with others.

14.2 SAR results for Fast SAR

Note: B1: Battery CAB2000010C1 B2: Battery CAB2000059C2
S1:SIM1 S2:SIM2

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

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
251	848.8	Left	Touch	/	32.67	33.3	0.120	0.14	0.153	0.18	-0.08
190	836.6	Left	Touch	/	32.7	33.3	0.123	0.14	0.158	0.18	-0.02
128	**824.2**	**Left**	**Touch**	**Fig.1**	**32.67**	**33.3**	**0.136**	**0.16**	**0.174**	**0.20**	**-0.11**
190	836.6	Left	Tilt	/	32.7	33.3	0.094	0.11	0.121	0.14	0.15
190	836.6	Right	Touch	/	32.7	33.3	0.064	0.07	0.082	0.09	0.10
190	836.6	Right	Tilt	/	32.7	33.3	0.103	0.12	0.135	0.16	-0.02
128	824.2	Left	Touch	B2	32.67	33.3	0.126	0.15	0.161	0.19	-0.01
128	824.2	Left	Touch	S1	32.67	33.3	0.105	0.12	0.133	0.15	-0.06

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

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
Frequency		Mode (number of timeslots)	Test Position/ Headset	Figure No./Note.	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
190	836.6	GPRS (1)	Front	/	32.74	33.3	0.125	0.14	0.158	0.18	-0.01
251	**848.8**	**GPRS (1)**	**Rear**	**Fig.2**	**32.73**	**33.3**	**0.168**	**0.19**	**0.215**	**0.25**	**0.02**
190	836.6	GPRS (1)	Rear		32.74	33.3	0.161	0.18	0.205	0.23	0.01
128	824.2	GPRS (1)	Rear	/	32.73	33.3	0.166	0.19	0.212	0.24	0.01
190	836.6	GPRS (1)	Left	/	32.74	33.3	0.082	0.09	0.118	0.13	0.07
190	836.6	GPRS (1)	Right		32.74	33.3	0.099	0.11	0.142	0.16	0.00
190	836.6	GPRS (1)	Bottom	/	32.74	33.3	0.031	0.04	0.055	0.06	0.05
251	848.8	EGPRS (1)	Rear	/	32.72	33.3	0.154	0.18	0.198	0.23	-0.13
251	848.8	GPRS (1)	Rear	B1	32.73	33.3	0.158	0.18	0.203	0.23	0.04
251	848.8	GPRS (1)	Rear	S1	32.73	33.3	0.162	0.18	0.208	0.24	0.05

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

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

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
810	1909.8	Left	Touch	/	29.86	30.3	0.044	0.05	0.072	0.08	0.07
661	1880	Left	Touch	/	29.48	30.3	0.051	0.06	0.081	0.10	0.05
512	**1850.2**	**Left**	**Touch**	**Fig.3**	**29.38**	**30.3**	**0.052**	**0.06**	**0.083**	**0.10**	**0.02**
661	1880	Left	Tilt	/	29.48	30.3	0.014	0.02	0.025	0.03	0.01
661	1880	Right	Touch	/	29.48	30.3	0.037	0.05	0.059	0.07	0.17
661	1880	Right	Tilt	/	29.48	30.3	0.018	0.02	0.032	0.04	0.06
512	1850.2	Left	Touch	B2	29.38	30.3	0.043	0.05	0.069	0.09	0.06
512	1850.2	Left	Touch	S1	29.38	30.3	0.041	0.05	0.066	0.08	-0.05

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

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
Frequency		Mode (number of timeslots)	Test Position/ Headset	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
661	1880	GPRS (1)	Front	/	29.49	30.3	0.125	0.15	0.223	0.27	0.02
661	1880	GPRS (1)	Rear	/	29.49	30.3	0.251	0.30	0.474	0.57	-0.06
661	1880	GPRS (1)	Left	/	29.49	30.3	0.018	0.02	0.028	0.03	0.13
661	1880	GPRS (1)	Right	/	29.49	30.3	0.030	0.04	0.048	0.06	-0.07
810	1909.8	GPRS (1)	Bottom	/	29.88	30.3	0.273	0.30	0.518	0.57	0.16
661	1880	GPRS (1)	Bottom	/	29.49	30.3	0.268	0.32	0.505	0.61	0.13
512	**1850.2**	**GPRS (1)**	**Bottom**	**Fig.4**	**29.38**	**30.3**	**0.309**	**0.38**	**0.582**	**0.72**	**0.11**
512	1850.2	EGPRS (1)	Bottom	/	29.46	30.3	0.272	0.33	0.502	0.61	0.19
512	1850.2	GPRS (1)	Bottom	B1	29.38	30.3	0.308	0.38	0.576	0.71	0.04
512	1850.2	GPRS (1)	Bottom	S1	29.38	30.3	0.296	0.37	0.553	0.68	0.18

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

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

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
4182	836.4	Left	Touch	/	23.78	24	0.076	0.08	0.099	0.10	-0.13
4182	836.4	Left	Tilt	/	23.78	24	0.047	0.05	0.060	0.06	0.11
4233	**846.6**	**Right**	**Touch**	**Fig.5**	**23.8**	**24**	**0.166**	**0.17**	**0.212**	**0.22**	**0.09**
4182	836.4	Right	Touch	/	23.78	24	0.097	0.10	0.123	0.13	-0.06
4132	826.4	Right	Touch	/	23.88	24	0.082	0.08	0.105	0.11	0.09
4182	836.4	Right	Tilt	/	23.78	24	0.070	0.07	0.089	0.09	-0.03
4233	846.6	Right	Touch	B2	23.8	24	0.159	0.17	0.203	0.21	0.00
4233	846.6	Right	Touch	S1	23.8	24	0.121	0.13	0.156	0.16	0.08

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

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C										
Frequency		Test Position/ Headset	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
4182	836.4	Front	/	23.78	24	0.215	0.23	0.273	0.29	0.20
4233	**846.6**	**Rear**	**Fig.6**	**23.8**	**24**	**0.361**	**0.38**	**0.463**	**0.48**	**0.00**
4182	836.4	Rear	/	23.78	24	0.296	0.31	0.378	0.40	0.02
4132	826.4	Rear	/	23.88	24	0.239	0.25	0.305	0.31	0.00
4182	836.4	Left	/	23.78	24	0.187	0.20	0.269	0.28	0.05
4182	836.4	Right	/	23.78	24	0.201	0.21	0.288	0.30	0.00
4182	836.4	Bottom	/	23.78	24	0.058	0.06	0.098	0.10	-0.01
4233	846.6	Rear	B1	23.8	24	0.355	0.37	0.456	0.48	0.01
4233	846.6	Rear	S1	23.8	24	0.359	0.38	0.461	0.48	0.03

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

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

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
1738	1752.6	Left	Touch	/	23.21	24	0.069	0.08	0.108	0.13	0.06
1637	**1732.4**	**Left**	**Touch**	**Fig.7**	**23.27**	**24**	**0.079**	**0.09**	**0.123**	**0.15**	**0.02**
1537	1712.4	Left	Touch	/	23.69	24	0.088	0.09	0.135	0.14	-0.12
1637	1732.4	Left	Tilt	/	23.27	24	0.031	0.04	0.054	0.06	0.03
1637	1732.4	Right	Touch	/	23.27	24	0.077	0.09	0.122	0.14	-0.15
1637	1732.4	Right	Tilt	/	23.27	24	0.039	0.05	0.066	0.08	0.02
1637	1732.4	Left	Touch	B2	23.27	24	0.080	0.09	0.122	0.14	0.07
1637	1732.4	Left	Touch	S1	23.27	24	0.051	0.06	0.081	0.10	0.13

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

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C										
Frequency		Test Position /Headset	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
1637	1732.4	Front	/	23.27	24	0.296	0.35	0.522	0.62	-0.05
1738	1752.6	Rear	/	23.21	24	0.421	0.50	0.776	0.93	-0.02
1637	1732.4	Rear	/	23.27	24	0.484	0.57	0.879	1.04	-0.04
1537	1712.4	Rear	/	23.69	24	0.514	0.55	0.928	1.00	-0.02
1637	1732.4	Left	/	23.27	24	0.043	0.05	0.067	0.08	0.04
1637	1732.4	Right	/	23.27	24	0.098	0.12	0.161	0.19	0.07
1738	1752.6	Bottom		23.21	24	0.534	0.64	0.998	1.20	0.03
1637	**1732.4**	**Bottom**	**Fig.8**	**23.27**	**24**	**0.594**	**0.70**	**1.110**	**1.31**	**0.03**
1537	1712.4	Bottom	/	23.69	24	0.616	0.66	1.150	1.24	0.09
1637	1732.4	Bottom	B1	23.27	24	0.519	0.61	0.964	1.14	0.00
1637	1732.4	Bottom	S1	23.27	24	0.548	0.65	1.030	1.22	-0.02

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

Table 14.2-9: SAR Values (WCDMA 1900 MHz Band - Head)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
Frequency		Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
9938	**1907.6**	**Left**	**Touch**	**Fig.9**	**23.57**	**24**	**0.158**	**0.17**	**0.251**	**0.28**	**0.08**
9800	1880	Left	Touch	/	23.34	24	0.132	0.15	0.210	0.24	0.11
9662	1852.4	Left	Touch	/	23.82	24	0.136	0.14	0.214	0.22	0.09
9800	1880	Left	Tilt	/	23.34	24	0.049	0.06	0.084	0.10	0.17
9800	1880	Right	Touch	/	23.34	24	0.126	0.15	0.205	0.24	0.06
9800	1880	Right	Tilt	/	23.34	24	0.049	0.06	0.088	0.10	0.18
9938	1907.6	Left	Touch	B2	23.54	24	0.123	0.14	0.195	0.22	0.05
9938	1907.6	Left	Touch	S1	23.54	24	0.131	0.15	0.207	0.23	0.05

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

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C										
Frequency		Test Position /Headset	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz									
9800	1880	Front	/	23.34	24	0.306	0.36	0.540	0.63	-0.18
9938	1907.6	Rear	/	23.57	24	0.584	0.64	1.070	1.18	-0.09
9800	1880	Rear	/	23.34	24	0.533	0.62	0.986	1.15	-0.11
9662	1852.4	Rear	/	23.82	24	0.567	0.59	1.040	1.08	-0.03
9800	1880	Left	/	23.34	24	0.057	0.07	0.090	0.10	0.08
9800	1880	Right	/	23.34	24	0.093	0.11	0.153	0.18	-0.14
9938	1907.6	Bottom	/	23.57	24	0.616	0.68	1.150	1.27	0.14
9800	**1880**	**Bottom**	**Fig.10**	**23.34**	**24**	**0.579**	**0.67**	**1.100**	**1.28**	**0.09**
9662	1852.4	Bottom	/	23.82	24	0.602	0.63	1.130	1.18	0.05
9800	1880	Bottom	B1	23.34	24	0.566	0.66	1.040	1.21	0.04
9800	1880	Bottom	S1	23.34	24	0.559	0.65	1.030	1.20	0.13

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

Table 14.2-11: SAR Values (LTE Band2 - Head)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C												
Frequency		Mode	Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
18700	**1860**	**1RB_High**	**Left**	**Touch**	**Fig.11**	**23.72**	**24.16**	**0.102**	**0.11**	**0.165**	**0.18**	**0.10**
18700	1860	1RB_High	Left	Tilt	/	23.72	24.16	0.041	0.05	0.072	0.08	0.11
18700	1860	1RB_High	Right	Touch	/	23.72	24.16	0.081	0.09	0.134	0.15	-0.02
18700	1860	1RB_High	Right	Tilt	/	23.72	24.16	0.040	0.04	0.072	0.08	0.17
18900	1880	50RB_Low	Left	Touch	/	22.66	23.16	0.083	0.09	0.134	0.15	0.01
18900	1880	50RB_Low	Left	Tilt	/	22.66	23.16	0.032	0.04	0.058	0.07	0.11
18900	1880	50RB_Low	Right	Touch	/	22.66	23.16	0.067	0.08	0.111	0.12	0.05
18900	1880	50RB_Low	Right	Tilt	/	22.66	23.16	0.034	0.04	0.061	0.07	0.15
18700	1860	1RB_High	Left	Touch	B2	23.72	24.16	0.099	0.11	0.158	0.17	0.07
18700	1860	1RB_High	Left	Touch	S1	23.72	24.16	0.093	0.10	0.150	0.17	0.05

Note1: The LTE mode is QPSK_20MHz.

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Table 14.2-12: SAR Values (LTE Band2 - Body)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
Frequency		Mode/ Headset	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
18700	1860	1RB_High	Front	/	23.72	24.16	0.199	0.22	0.352	0.39	0.10
19100	**1900**	**1RB_High**	**Rear**	**Fig.12**	**23.67**	**24.16**	**0.581**	**0.65**	**1.110**	**1.24**	**-0.07**
18900	1880	1RB_Low	Rear	/	23.7	24.16	0.386	0.43	0.722	0.80	0.03
18700	1860	1RB_High	Rear	/	23.72	24.16	0.430	0.48	0.810	0.90	0.02
18700	1860	1RB_High	Left	/	23.72	24.16	0.057	0.06	0.107	0.12	0.00
18700	1860	1RB_High	Right	/	23.72	24.16	0.045	0.05	0.074	0.08	-0.15
19100	1900	1RB_High	Bottom	/	23.67	24.16	0.545	0.61	1.030	1.15	0.03
18900	1880	1RB_Low	Bottom	/	23.7	24.16	0.509	0.57	0.947	1.05	-0.11
18700	1860	1RB_High	Bottom	/	23.72	24.16	0.485	0.54	0.902	1.00	-0.13
18900	1880	50RB_Low	Front	/	22.66	23.16	0.169	0.19	0.298	0.33	-0.01
18900	1880	50RB_Low	Rear	/	22.66	23.16	0.353	0.40	0.669	0.75	0.00
18900	1880	50RB_Low	Left	/	22.66	23.16	0.045	0.05	0.084	0.09	0.07
18900	1880	50RB_Low	Right	/	22.66	23.16	0.039	0.04	0.064	0.07	0.02
19100	1900	50RB_Low	Bottom	/	22.51	23.16	0.422	0.49	0.799	0.93	-0.02
18900	1880	50RB_Low	Bottom	/	22.66	23.16	0.401	0.45	0.754	0.85	-0.10
18700	1860	50RB_High	Bottom	/	22.62	23.16	0.373	0.42	0.698	0.79	0.01
19100	1900	1RB_High	Rear	B1	23.67	24.16	0.511	0.57	0.991	1.11	0.01
19100	1900	1RB_High	Rear	S1	23.67	24.16	0.518	0.58	0.988	1.11	-0.01
18900	1880	100RB	Bottom	/	22.63	23.16	0.415	0.47	0.787	0.89	0.12
18900	1880	100RB	Rear	/	22.63	23.16	0.345	0.39	0.655	0.74	0.16

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

Note2: The LTE mode is QPSK_20MHz.

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Table 14.2-13: SAR Values (LTE Band4 - Head)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C												
Frequency		Mode	Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
20050	1720	1RB_Low	Left	Touch	/	22.83	23.5	0.104	0.12	0.159	0.19	0.05
20050	1720	1RB_Low	Left	Tilt	/	22.83	23.5	0.061	0.07	0.091	0.11	0.13
20050	**1720**	**1RB_Low**	**Right**	**Touch**	**Fig.13**	**22.83**	**23.5**	**0.114**	**0.13**	**0.174**	**0.20**	**0.08**
20050	1720	1RB_Low	Right	Tilt	/	22.83	23.5	0.054	0.06	0.094	0.11	0.01
20050	1720	50RB_Low	Left	Touch	/	21.76	22.5	0.787	0.93	0.120	0.14	0.03
20050	1720	50RB_Low	Left	Tilt	/	21.76	22.5	0.046	0.05	0.069	0.08	0.09
20050	1720	50RB_Low	Right	Touch	/	21.76	22.5	0.090	0.11	0.138	0.16	0.02
20050	1720	50RB_Low	Right	Tilt	/	21.76	22.5	0.039	0.05	0.067	0.08	0.09
20050	1720	1RB_Low	Right	Touch	B2	22.83	23.5	0.094	0.11	0.148	0.17	0.12
20050	1720	1RB_Low	Right	Touch	S1	22.83	23.5	0.094	0.11	0.147	0.17	-0.01

Note1: The LTE mode is QPSK_20MHz.

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Table 14.2-14: SAR Values (LTE Band4 - Body)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
Frequency		Mode/ Headset	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
20050	1720	1RB_Low	Front	/	22.83	23.5	0.292	0.34	0.509	0.59	-0.01
20300	1745	1RB_Low	Rear	/	22.58	23.5	0.428	0.53	0.784	0.97	0.01
20175	1732.5	1RB_Low	Rear	/	22.68	23.5	0.467	0.56	0.855	1.03	0.11
20050	**1720**	**1RB_Low**	**Rear**	**Fig.14**	**22.83**	**23.5**	**0.509**	**0.59**	**0.933**	**1.09**	**-0.01**
20050	1720	1RB_Low	Left	/	22.83	23.5	0.065	0.08	0.105	0.12	0.02
20050	1720	1RB_Low	Right	/	22.83	23.5	0.092	0.11	0.153	0.18	-0.04
20300	1745	1RB_Low	Bottom	/	22.58	23.5	0.340	0.42	0.645	0.80	0.03
20175	1732.5	1RB_Low	Bottom	/	22.68	23.5	0.380	0.46	0.718	0.87	-0.03
20050	1720	1RB_Low	Bottom	/	22.83	23.5	0.410	0.48	0.777	0.91	0.02
20050	1720	50RB_Low	Front	/	21.76	22.5	0.222	0.26	0.386	0.46	0.03
20300	1745	50RB_Low	Rear	/	21.44	22.5	0.385	0.49	0.710	0.91	-0.01
20175	1732.5	50RB_Low	Rear	/	21.54	22.5	0.423	0.53	0.772	0.96	-0.02
20050	1720	50RB_Low	Rear	/	21.76	22.5	0.382	0.45	0.692	0.82	0.00
20050	1720	50RB_Low	Left	/	21.76	22.5	0.049	0.06	0.079	0.09	0.01
20050	1720	50RB_Low	Right	/	21.76	22.5	0.069	0.08	0.115	0.14	0.03
20050	1720	50RB_Low	Bottom	/	21.76	22.5	0.352	0.42	0.669	0.79	0.01
20050	1720	1RB_Low	Rear	B1	22.83	23.5	0.491	0.57	0.895	1.04	0.02
20050	1720	1RB_Low	Rear	S1	22.83	23.5	0.485	0.57	0.878	1.02	0.03
20050	1720	100RB	Rear	/	21.7	22.5	0.372	0.45	0.678	0.82	-0.15
20050	1720	100RB	Bottom	/	21.7	22.5	0.296	0.36	0.553	0.66	0.01

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

Note2: The LTE mode is QPSK_20MHz.

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Table 14.2-15: SAR Values (LTE Band5 - Head)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C												
Frequency		Mode	Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
20450	829	1RB_Low	Left	Touch	/	23.18	23.8	0.094	0.11	0.121	0.14	-0.09
20450	829	1RB_Low	Left	Tilt	/	23.18	23.8	0.056	0.06	0.071	0.08	0.18
20450	**829**	**1RB_Low**	**Right**	**Touch**	**Fig.15**	**23.18**	**23.8**	**0.115**	**0.13**	**0.148**	**0.17**	**-0.09**
20450	829	1RB_Low	Left	Tilt	/	23.18	23.8	0.071	0.08	0.091	0.11	0.16
20450	829	25RB_Low	Left	Touch	/	22.17	22.8	0.085	0.10	0.109	0.13	0.01
20450	829	25RB_Low	Left	Tilt	/	22.17	22.8	0.050	0.06	0.064	0.07	0.17
20450	829	25RB_Low	Right	Touch	/	22.17	22.8	0.105	0.12	0.136	0.16	0.01
20450	829	25RB_Low	Right	Tilt	/	22.17	22.8	0.065	0.08	0.084	0.10	0.09
20450	829	1RB_Low	Right	Touch	B2	23.18	23.8	0.107	0.12	0.131	0.15	-0.03
20450	829	1RB_Low	Right	Touch	S1	23.18	23.8	0.106	0.12	0.128	0.15	-0.01

Note1: The LTE mode is QPSK_10MHz.

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Table 14.2-16: SAR Values (LTE Band5 - Body)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
Frequency		Mode/ Headset	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
20450	829	1RB_Low	Front	/	23.18	23.8	0.128	0.15	0.162	0.19	-0.03
20450	**829**	**1RB_Low**	**Rear**	**Fig.16**	**23.18**	**23.8**	**0.196**	**0.23**	**0.252**	**0.29**	**0.02**
20450	829	1RB_Low	Left	/	23.18	23.8	0.149	0.17	0.213	0.25	0.01
20450	829	1RB_Low	Right	/	23.18	23.8	0.162	0.19	0.232	0.27	-0.04
20450	829	1RB_Low	Bottom	/	23.18	23.8	0.042	0.05	0.072	0.08	0.01
20450	829	25RB_Low	Front	/	22.17	22.8	0.132	0.15	0.168	0.19	0.01
20450	829	25RB_Low	Rear	/	22.17	22.8	0.165	0.19	0.211	0.24	-0.03
20450	829	25RB_Low	Left	/	22.17	22.8	0.125	0.14	0.179	0.21	0.01
20450	829	25RB_Low	Right	/	22.17	22.8	0.132	0.15	0.189	0.22	0.04
20450	829	25RB_Low	Bottom	/	22.17	22.8	0.034	0.04	0.059	0.07	0.06
20450	829	1RB_Low	Rear	B1	23.18	23.8	0.241	0.28	0.246	0.28	-0.02
20450	829	1RB_Low	Rear	S1	23.18	23.8	0.239	0.28	0.244	0.28	0.01

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

Note2: The LTE mode is QPSK_10MHz.

Table 14.2-17: SAR Values (LTE Band7 - Head)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C												
Frequency		Mode	Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
21350	2560	1RB_Low	Left	Touch	/	23.59	24	0.147	0.16	0.269	0.30	0.10
21350	2560	1RB_Low	Left	Tilt	/	23.59	24	0.108	0.12	0.230	0.25	0.10
21350	**2560**	1RB_Low	Right	Touch	**Fig.17**	**23.59**	**24**	**0.291**	**0.32**	**0.552**	**0.61**	**0.04**
21350	2560	1RB_Low	Right	Tilt	/	23.59	24	0.077	0.08	0.152	0.17	0.14
21100	2535	50RB_Low	Left	Touch	/	22.41	23	0.116	0.13	0.213	0.24	0.13
21100	2535	50RB_Low	Left	Tilt	/	22.41	23	0.088	0.10	0.186	0.21	0.16
21100	2535	50RB_Low	Right	Touch	/	22.41	23	0.230	0.26	0.438	0.50	0.16
21100	2535	50RB_Low	Right	Tilt	/	22.41	23	0.062	0.07	0.122	0.14	0.09
21350	2560	1RB_Low	Right	Touch	B2	23.59	24	0.280	0.31	0.524	0.58	-0.11
21350	2560	1RB_Low	Right	Touch	S1	23.59	24	0.229	0.25	0.425	0.47	0.06

Note1: The LTE mode is QPSK_20MHz.

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Table 14.2-18: SAR Values (LTE Band7 - Body)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
Frequency		Mode/ Headset	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
21350	2560	1RB_Low	Front	/	23.59	24	0.205	0.23	0.381	0.42	0.16
21350	2560	1RB_Low	Rear	/	23.59	24	0.258	0.28	0.545	0.60	0.03
21350	2560	1RB_Low	Left	/	23.59	24	0.032	0.04	0.062	0.07	0.01
21350	2560	1RB_Low	Right	/	23.59	24	0.226	0.25	0.429	0.47	0.03
21350	**2560**	**1RB_Low**	**Bottom**	**Fig.18**	**23.59**	**24**	**0.273**	**0.30**	**0.652**	**0.72**	**0.06**
21100	2535	50RB_Low	Front	/	22.41	23	0.126	0.14	0.240	0.27	-0.08
21100	2535	50RB_Low	Rear	/	22.41	23	0.231	0.26	0.522	0.60	0.19
21100	2535	50RB_Low	Left	/	22.41	23	0.022	0.03	0.044	0.05	-0.04
21100	2535	50RB_Low	Right	/	22.41	23	0.181	0.21	0.342	0.39	0.09
21100	2535	50RB_Low	Bottom	/	22.41	23	0.230	0.26	0.556	0.64	0.08
21350	2560	1RB_Low	Bottom	B1	23.59	24	0.192	0.21	0.448	0.49	0.14
21350	2560	1RB_Low	Bottom	S1	23.59	24	0.184	0.20	0.435	0.48	0.02

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-19: SAR Values (LTE Band12 - Head)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C												
Frequency		Mode	Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
23130	711	1RB_Middle	Left	Touch	/	22.76	23.5	0.122	0.14	0.151	0.18	-0.11
23130	711	1RB_Middle	Left	Tilt	/	22.76	23.5	0.112	0.13	0.139	0.16	0.12
23130	**711**	**1RB_Middle**	**Right**	**Touch**	**Fig.19**	**22.76**	**23.5**	**0.154**	**0.18**	**0.191**	**0.23**	**0.10**
23130	711	1RB_Middle	Right	Tilt	/	22.76	23.5	0.115	0.14	0.141	0.17	0.11
23130	711	25RB_Middle	Left	Touch	/	21.8	22.5	0.084	0.10	0.103	0.12	0.07
23130	711	25RB_Middle	Left	Tilt	/	21.8	22.5	0.080	0.09	0.099	0.12	0.19
23130	711	25RB_Middle	Right	Touch	/	21.8	22.5	0.099	0.12	0.122	0.14	0.05
23130	711	25RB_Middle	Right	Tilt	/	21.8	22.5	0.082	0.10	0.099	0.12	0.09
23130	711	1RB_Middle	Right	Touch	B2	22.76	23.5	0.145	0.17	0.179	0.21	-0.08
23130	711	1RB_Middle	Right	Touch	S1	22.76	23.5	0.143	0.17	0.177	0.21	0.08

Note1: The LTE mode is QPSK_20MHz.

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Table 14.2-20: SAR Values (LTE Band12 - Body)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C											
Frequency		Mode/ Headset	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz										
23130	711	1RB_Middle	Front	/	22.76	23.5	0.138	0.16	0.173	0.21	-0.06
23130	**711**	**1RB_Middle**	**Rear**	**Fig.20**	**22.76**	**23.5**	**0.200**	**0.24**	**0.252**	**0.30**	**0.00**
23130	711	1RB_Middle	Left	/	22.76	23.5	0.018	0.02	0.026	0.03	0.02
23130	711	1RB_Middle	Right	/	22.76	23.5	0.113	0.13	0.160	0.19	0.00
23130	711	1RB_Middle	Bottom	/	22.76	23.5	0.053	0.06	0.086	0.10	0.19
23130	711	25RB_Middle	Front	/	21.8	22.5	0.133	0.16	0.167	0.20	-0.01
23130	711	25RB_Middle	Rear	/	21.8	22.5	0.159	0.19	0.201	0.24	0.01
23130	711	25RB_Middle	Left	/	21.8	22.5	0.014	0.02	0.020	0.02	0.05
23130	711	25RB_Middle	Right	/	21.8	22.5	0.091	0.11	0.129	0.15	0.09
23130	711	25RB_Middle	Bottom	/	21.8	22.5	0.044	0.05	0.072	0.08	0.04
23130	711	1RB_Middle	Rear	B1	22.76	23.5	0.221	0.26	0.241	0.29	-0.14
23130	711	1RB_Middle	Rear	S1	22.76	23.5	0.236	0.28	0.247	0.29	-0.05

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

Note2: The LTE mode is QPSK_20MHz.

Table 14.2-21: SAR Values (LTE Band17 - Head)

Ambient Temperature: 22.9 °C Liquid Temperature: 22.5 °C												
Frequency		Mode	Side	Test Position	Figure No./Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g)(W/kg)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift (dB)
Ch.	MHz											
23780	709	1RB_Low	Left	Touch	/	22.9	23.5	0.114	0.13	0.141	0.16	0.09
23780	709	1RB_Low	Left	Tilt	/	22.9	23.5	0.075	0.09	0.091	0.10	0.04
23780	**709**	**1RB_Low**	**Right**	**Touch**	**Fig.21**	**22.9**	**23.5**	**0.143**	**0.16**	**0.177**	**0.20**	**0.03**
23780	709	1RB_Low	Right	Tilt	/	22.9	23.5	0.066	0.08	0.079	0.09	0.02
23780	709	25RB_High	Left	Touch	/	21.9	22.5	0.112	0.13	0.139	0.16	0.13
23780	709	25RB_High	Left	Tilt	/	21.9	22.5	0.075	0.09	0.090	0.10	0.04
23780	709	25RB_High	Right	Touch	/	21.9	22.5	0.137	0.16	0.168	0.19	0.08
23780	709	25RB_High	Right	Tilt	/	21.9	22.5	0.074	0.09	0.091	0.10	0.12
23780	709	1RB_Low	Right	Touch	B2	22.9	23.5	0.102	0.12	0.126	0.14	-0.09
23780	709	1RB_Low	Right	Touch	S1	22.9	23.5	0.088	0.10	0.109	0.13	0.09

Note1: The LTE mode is QPSK_10MHz.

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