

Table 6.2.2-2 Maximum power reduction (MPR) for power class 2

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	≤ 3.5	≤ 0.5	0
	QPSK	≤ 3.5	≤ 1	0
	16 QAM	≤ 3.5	≤ 2	≤ 1
	64 QAM	≤ 3.5	≤ 2.5	
	256 QAM	≤ 4.5		
CP-OFDM	QPSK	≤ 3.5	≤ 3	≤ 1.5
	16 QAM	≤ 3.5	≤ 3	≤ 2
	64 QAM	≤ 3.5		
	256 QAM	≤ 6.5		

4. For FDD NR Band operation does not have the fixed UL/DL frame structure, but during the transmitting/receiving it can be operated in the slot structure of 100% UL duty cycle, we are proposing the conservative way to evaluate SAR at 100% duty cycle. For the purpose of test NR Band standalone SAR, and also test SAR level at 100% TX duty cycle.

5. For 5G NR Sub6GHz SISO Mode, SAR Test plan as below:

For 5G NR NSA mode with the same UL EN_DC combination but different DL EN_DC combinations, eg: EN-DC configuration: UL DC_7A_n5 (UL two bands) with DL DC_7C_n5 (DL two bands)

a) The UL EN-DC configuration, including the Tx antenna configuration, RF path, the channel bandwidth and other operating parameters are the same.

b) The maximum output power, including tolerance, for the UL EN-DC configuration with DL two or more bands must be $\leq$ the same UL EN-DC configuration with DL two bands only to qualify for the SAR test exclusion.

6. For EN-DC SAR

For EN-DC mode, as the existing SAR test system cannot test the multiple different frequency bands simultaneous Transmission SAR at the same time, we suggest that the conservative “max + max” multi-Tx and SAR scaling method can be used to evaluate the inter-band Uplink EN-DC SAR from standalone SAR test results of each LTE and NR EN-DC component band and the conservative “max + max” multi-Tx method to combine the scaled SAR value from each EN-DC component band as the inter-band Uplink EN-DC SAR. All Simultaneous Transmission Scenarios will be evaluated independently in the final SAR report. When the reported SAR for and EN DC configuration is greater than 1.2 W/kg, EN DC SAR is also required for other NR based test channels. EN DC SAR is also required for standalone NR configurations greater than 1.2 W/kg when scaled to the EN DC power level.

LTE+NR Band operations are possible only with LTE under EN-DC mode and the operations are possible as following table:

Band/Antenna		LTE Band 2		LTE Band 5	LTE Band 12	LTE Band 13	LTE Band 14	LTE Band 30	LTE Band 66	
		Ant0	Ant1	Ant0	Ant0	Ant0	Ant0	Ant5	Ant0	Ant1
n2	Ant0							√		√
	Ant1			√	√	√	√			
n5	Ant0		√					√		√
n25	Ant0									√
n41	Ant4		√							√
n66	Ant0		√					√		
	Ant1			√	√	√	√			
n71	Ant0		√							√
n77	Ant6	√		√	√	√	√		√	

8 Test Result

8.1 DUT Antenna Locations (Back View)

The DUT Antenna Locations can be referred to Appendix D

Note:

- 1) The test device is a smart phone, and the diagonal distance of this device is $\geq 160\text{mm}$ but $\leq 200\text{mm}$, so it is a Phablet per KDB 648474 D04.
- 2) The distance between the antennas and the sides of the EUT show as below table, when the antenna-to-edge distance is greater than 25mm, such position does not need to be SAR tested.

EUT Sides for SAR Testing							
Mode	Exposure Condition	Front	Back	Left	Right	Top	Bottom
Ant 0	Hotspot/Product specific 10g SAR	Yes	Yes	Yes	Yes	No	Yes
Ant 1	Hotspot/Product specific 10g SAR	Yes	Yes	Yes	No	Yes	No
Ant 4	Hotspot/Product specific 10g SAR	Yes	Yes	Yes	No	No	Yes
Ant 5	Hotspot/Product specific 10g SAR	Yes	Yes	Yes	No	Yes	No
Ant 6	Hotspot/Product specific 10g SAR	Yes	Yes	No	Yes	Yes	No
Ant 7	Hotspot/Product specific 10g SAR	Yes	Yes	No	Yes	No	Yes

8.2 Measurement of RF Conducted Power

8.2.1 RF Conducted Power reduction specification

This device uses a single fixed level of power reduction through static table look-up for SAR compliance and it is triggered by a single event or operation

- 1) A fixed level power reduction is applied for some frequency bands when hotspot mode becomes active. When the hotspot is disabled, the power value will be recovered.
- 2) A fixed level power reduction is applied for some frequency bands when simultaneously transmitting with the other antennas in certain simultaneous transmission conditions.
- 3) This device uses the receiver to indicate whether the user is making a voice call in head scenario or not. The selection between head and body power levels is based on the receiver detection mechanism. A fixed level power reduction is applied for some frequency bands when the audio receiver is on.
- 4) The proximity sensor is used to indicate when the device is held close to a user's body exposure condition. It utilizes the proximity sensor to reduce the output power in specific wireless and operating modes of main antenna to ensure SAR compliance.

8.2.2 RF Conducted Power Data

The detailed power data can be referred to Appendix E Conducted RF Output Power.

8.3 Measurement of SAR Data

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.
- 2) Testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - $\leq 0.8\text{W/kg}$ for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is $\leq 100\text{MHz}$.
 - $\leq 0.6\text{ W/kg}$ or 1.5 W/kg , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
 - $\leq 0.4\text{ W/kg}$ or 1.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\geq 200\text{ MHz}$.
- 3) For WiFi 5G,U-NII-2A and U-NII-2C band does not support hotspot function.
- 4) For WiFi SAR test, as the highest reported SAR is smaller than 1.2 W/kg , and the tune-up of the other 802.11 modes are not higher than SAR measurement mode, therefore the adjusted SAR is $\leq 1.2\text{ W/kg}$ for other 802.11 modes, SAR test for the other 802.11 modes are not required. For Product specific 10gSAR the highest reported SAR is smaller than 3.0 W/kg , SAR test for the other 802.11 modes are also not required.
- 5) NFC is different from the working scenario of WWAN/WIFI(Head/Body-worn/Hotspot) and does not participate in the simultaneous transmission.
- 6) According to TCB Workshop (Overlapping LTE Bands): SAR in LTE Band 2/4/5/17/38 and NR Band n2/n38/n78 is respectively covered by LTE Band 25/66/26/12/41 and NR Band n25/n41/n77. Because the frequency range is similar, the maximum tuning limit is the same, and the channel bandwidth and other operating parameters for the smaller band is fully supported by the larger band.
- 7) The simultaneous transmission is reduced by XdB (the detailed power reduced can be referred to Conducted Power Appendix E), therefore, those SAR of simultaneous transmission mode are scaled based on standalone SAR results.

8.3.1 SAR Result of WCDMA Band II

WB2 SAR Test Record										
Ant 0 Test Record										
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data										
Left cheek	RMC	9400/1880	1:1	0.065	-0.15	23.35	24.00	1.161	0.075	22.8
Left tilted	RMC	9400/1880	1:1	0.056	0.12	23.35	24.00	1.161	0.065	22.8
Right cheek	RMC	9400/1880	1:1	0.111	-0.01	23.35	24.00	1.161	0.129	22.8
Right tilted	RMC	9400/1880	1:1	0.041	0.01	23.35	24.00	1.161	0.048	22.8
Body worn Test data(Separate 10mm)										
Front side	RMC	9400/1880	1:1	0.669	0.13	23.35	24.00	1.161	0.777	22.8
Back side	RMC	9400/1880	1:1	0.897	0.01	23.35	24.00	1.161	1.041	22.8
Back side-repeated sar	RMC	9400/1880	1:1	0.876	0.02	23.35	24.00	1.161	1.017	22.8
Back side	RMC	9262/1852.4	1:1	0.844	-0.01	23.20	24.00	1.202	1.014	22.8
Back side	RMC	9538/1907.6	1:1	0.831	0.14	23.22	24.00	1.197	0.995	22.8
Hotspot Test data(Separate 10mm)										
Front side	RMC	9400/1880	1:1	0.388	-0.15	21.39	22.00	1.151	0.447	22.8
Back side	RMC	9400/1880	1:1	0.511	0.08	21.39	22.00	1.151	0.588	22.8
Left side	RMC	9400/1880	1:1	0.072	-0.17	21.39	22.00	1.151	0.083	22.8
Right side	RMC	9400/1880	1:1	0.164	0.05	21.39	22.00	1.151	0.189	22.8
Bottom side	RMC	9400/1880	1:1	0.980	0.03	21.39	22.00	1.151	1.128	22.8
Bottom side-repeated sar	RMC	9400/1880	1:1	0.968	-0.16	21.39	22.00	1.151	1.114	22.8
Bottom side	RMC	9262/1852.4	1:1	0.925	-0.12	21.25	22.00	1.189	1.100	22.8
Bottom side	RMC	9538/1907.6	1:1	0.936	-0.08	21.27	22.00	1.183	1.107	22.8
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10g SAR Test data(0mm)										
Bottom side	RMC	9400/1880	1:1	2.850	0.07	23.35	24.00	1.161	3.309	22.8
Bottom side-repeated sar	RMC	9400/1880	1:1	2.790	0.09	23.35	24.00	1.161	3.239	22.8
Bottom side	RMC	9262/1852.4	1:1	2.520	0.02	23.20	24.00	1.202	3.029	22.8
Bottom side	RMC	9538/1907.6	1:1	2.670	0.06	23.22	24.00	1.197	3.196	22.8

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Back side 10mm	9400/1880	0.897	0.876	1.024	N/A	N/A
Bottom side 10mm	9400/1880	0.980	0.968	1.012	N/A	N/A
Bottom side 0mm	9400/1880	2.850	2.790	1.022	N/A	N/A

Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.

2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).

3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg

5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.

8.3.2 SAR Result of WCDMA Band IV

WB4 SAR Test Record										
Ant 0 Test Record										
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data										
Left cheek	RMC	1412/1732.4	1:1	0.081	0.17	23.53	24.00	1.114	0.090	22.6
Left tilted	RMC	1412/1732.4	1:1	0.062	-0.12	23.53	24.00	1.114	0.069	22.6
Right cheek	RMC	1412/1732.4	1:1	0.163	0.03	23.53	24.00	1.114	0.182	22.6
Right tilted	RMC	1412/1732.4	1:1	0.050	0.10	23.53	24.00	1.114	0.056	22.6
Body worn Test data(Separate 10mm)										
Front side	RMC	1412/1732.4	1:1	0.622	-0.18	23.53	24.00	1.114	0.693	22.6
Back side	RMC	1412/1732.4	1:1	0.919	0.07	23.53	24.00	1.114	1.024	22.6
Back side-repeated sar	RMC	1412/1732.4	1:1	0.906	0.04	23.53	24.00	1.114	1.009	22.6
Back side	RMC	1412/1732.4	1:1	0.880	-0.13	23.36	24.00	1.159	1.020	22.6
Back side	RMC	1412/1732.4	1:1	0.876	-0.18	23.38	24.00	1.153	1.010	22.6
Hotspot Test data(Separate 10mm)										
Front side	RMC	1412/1732.4	1:1	0.439	0.14	22.12	22.50	1.091	0.479	22.6
Back side	RMC	1412/1732.4	1:1	0.650	-0.08	22.12	22.50	1.091	0.709	22.6
Left side	RMC	1412/1732.4	1:1	0.056	-0.09	22.12	22.50	1.091	0.061	22.6
Right side	RMC	1412/1732.4	1:1	0.177	0.03	22.12	22.50	1.091	0.193	22.6
Bottom side	RMC	1412/1732.4	1:1	0.933	0.10	22.12	22.50	1.091	1.018	22.6
Bottom side-repeated sar	RMC	1412/1732.4	1:1	0.924	-0.05	22.12	22.50	1.091	1.008	22.6
Bottom side	RMC	1412/1732.4	1:1	0.856	0.19	21.83	22.50	1.167	0.999	22.6
Bottom side	RMC	1412/1732.4	1:1	0.842	0.04	21.92	22.50	1.143	0.962	22.6
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10g SAR Test data(0mm)										
Bottom side	RMC	1412/1732.4	1:1	2.610	0.14	23.53	24.00	1.114	2.908	22.6
Bottom side-repeated sar	RMC	1412/1732.4	1:1	2.580	0.09	23.53	24.00	1.114	2.874	22.6
Bottom side	RMC	1312/1712.4	1:1	2.350	0.03	23.36	24.00	1.159	2.724	22.6
Bottom side	RMC	1513/1752.6	1:1	2.440	0.09	23.38	24.00	1.153	2.813	22.6

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Back side 10mm	9400/1880	0.919	0.906	1.014	N/A	N/A
Bottom side 10mm	9400/1880	0.933	0.924	1.010	N/A	N/A
Bottom side 0mm	9400/1880	2.610	2.580	1.012	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).						
3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						
5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.						

8.3.3 SAR Result of WCDMA Band V

WB5 SAR Test Record										
Ant 0 Test Record										
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data										
Left cheek	RMC	4182/836.4	1:1	0.144	0.17	23.23	24.00	1.194	0.172	22.7
Left tilted	RMC	4182/836.4	1:1	0.080	-0.09	23.23	24.00	1.194	0.096	22.7
Right cheek	RMC	4182/836.4	1:1	0.153	0.09	23.23	24.00	1.194	0.183	22.7
Right tilted	RMC	4182/836.4	1:1	0.088	-0.01	23.23	24.00	1.194	0.105	22.7
Body worn Test data(Separate 10mm)										
Front side	RMC	4182/836.4	1:1	0.191	-0.07	23.23	24.00	1.194	0.228	22.7
Back side	RMC	4182/836.4	1:1	0.283	0.01	23.23	24.00	1.194	0.338	22.7
Hotspot Test data(Separate 10mm)										
Front side	RMC	4182/836.4	1:1	0.191	-0.07	23.23	24.00	1.194	0.228	22.7
Back side	RMC	4182/836.4	1:1	0.283	0.01	23.23	24.00	1.194	0.338	22.7
Left side	RMC	4182/836.4	1:1	0.081	0.13	23.23	24.00	1.194	0.097	22.7
Right side	RMC	4182/836.4	1:1	0.118	0.08	23.23	24.00	1.194	0.141	22.7
Bottom side	RMC	4182/836.4	1:1	0.166	0.10	23.23	24.00	1.194	0.198	22.7

8.3.4 SAR Result of LTE Band 7

LTE Band 7 SAR Test Record											
Ant 5 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) Receiver on											
Left cheek	20	QPSK 1_0	21100/2535	1:1	0.400	0.01	21.04	22.00	1.247	0.499	22.4
Left tilted	20	QPSK 1_0	21100/2535	1:1	0.390	-0.01	21.04	22.00	1.247	0.486	22.4
Right cheek	20	QPSK 1_0	21100/2535	1:1	0.859	0.06	21.04	22.00	1.247	1.071	22.4
Right cheek-repeated sar	20	QPSK 1_0	21100/2535	1:1	0.841	-0.03	21.04	22.00	1.247	1.049	22.4
Right cheek	20	QPSK 1_0	20850/2510	1:1	0.815	-0.12	20.86	22.00	1.300	1.060	22.4
Right cheek	20	QPSK 1_0	21350/2560	1:1	0.806	0.10	20.83	22.00	1.309	1.055	22.4
Right tilted	20	QPSK 1_0	21100/2535	1:1	0.622	-0.15	21.04	22.00	1.247	0.776	22.4
Head Test Data (50%RB) Receiver on											
Left cheek	20	QPSK 50_0	21100/2535	1:1	0.303	-0.05	21.01	22.00	1.256	0.381	22.4
Left tilted	20	QPSK 50_0	21100/2535	1:1	0.285	-0.17	21.01	22.00	1.256	0.358	22.4
Right cheek	20	QPSK 50_0	21100/2535	1:1	0.650	0.01	21.01	22.00	1.256	0.816	22.4
Right cheek	20	QPSK 50_0	20850/2510	1:1	0.612	-0.10	20.78	22.00	1.324	0.810	22.4
Right cheek	20	QPSK 50_0	21350/2560	1:1	0.623	0.09	20.80	22.00	1.318	0.821	22.4
Right tilted	20	QPSK 50_0	21100/2535	1:1	0.495	-0.05	21.01	22.00	1.256	0.622	22.4
Head Test Data (100%RB) Receiver on											
Right cheek	20	QPSK 100_0	21100/2535	1:1	0.685	0.18	20.89	22.00	1.291	0.884	22.4
Body worn Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	21100/2535	1:1	0.262	-0.02	22.95	24.00	1.274	0.334	22.4
Back side	20	QPSK 1_0	21100/2535	1:1	0.490	-0.05	22.95	24.00	1.274	0.624	22.4
Body worn Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	21100/2535	1:1	0.221	0.00	21.98	23.00	1.265	0.280	22.4
Back side	20	QPSK 50_0	21100/2535	1:1	0.412	0.05	21.98	23.00	1.265	0.521	22.4
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	21100/2535	1:1	0.262	-0.02	22.95	24.00	1.274	0.334	22.4
Back side	20	QPSK 1_0	21100/2535	1:1	0.490	-0.05	22.95	24.00	1.274	0.624	22.4
Left side	20	QPSK 1_0	21100/2535	1:1	0.223	-0.10	22.95	24.00	1.274	0.284	22.4
Top side	20	QPSK 1_0	21100/2535	1:1	0.388	0.05	22.95	24.00	1.274	0.494	22.4
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	21100/2535	1:1	0.221	0.00	21.98	23.00	1.265	0.280	22.4
Back side	20	QPSK 50_0	21100/2535	1:1	0.412	0.05	21.98	23.00	1.265	0.521	22.4
Left side	20	QPSK 50_0	21100/2535	1:1	0.181	-0.06	21.98	23.00	1.265	0.229	22.4
Top side	20	QPSK 50_0	21100/2535	1:1	0.320	-0.11	21.98	23.00	1.265	0.405	22.4
Ant 4 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB)											
Left cheek	20	QPSK 1_0	21100/2535	1:1	0.045	0.11	23.28	24.00	1.180	0.053	22.4
Left tilted	20	QPSK 1_0	21100/2535	1:1	0.000	-0.07	23.28	24.00	1.180	0.000	22.4
Right cheek	20	QPSK 1_0	21100/2535	1:1	0.000	-0.07	23.28	24.00	1.180	0.000	22.4
Right tilted	20	QPSK 1_0	21100/2535	1:1	0.000	0.05	23.28	24.00	1.180	0.000	22.4
Head Test Data (50%RB)											
Left cheek	20	QPSK 50_0	21100/2535	1:1	0.000	-0.13	22.32	23.00	1.169	0.000	22.4
Left tilted	20	QPSK 50_0	21100/2535	1:1	0.030	-0.13	22.32	23.00	1.169	0.035	22.4

Right cheek	20	QPSK 50_0	21100/2535	1:1	0.000	-0.18	22.32	23.00	1.169	0.000	22.4
Right tilted	20	QPSK 50_0	21100/2535	1:1	0.000	0.17	22.32	23.00	1.169	0.000	22.4
Body worn Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	21100/2535	1:1	0.041	0.09	23.28	24.00	1.180	0.048	22.4
Back side	20	QPSK 1_0	21100/2535	1:1	0.063	0.18	23.28	24.00	1.180	0.074	22.4
Body worn Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	21100/2535	1:1	0.042	-0.01	22.32	23.00	1.169	0.049	22.4
Back side	20	QPSK 50_0	21100/2535	1:1	0.046	0.19	22.32	23.00	1.169	0.054	22.4
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	21100/2535	1:1	0.041	0.09	23.28	24.00	1.180	0.048	22.4
Back side	20	QPSK 1_0	21100/2535	1:1	0.063	0.18	23.28	24.00	1.180	0.074	22.4
Left side	20	QPSK 1_0	21100/2535	1:1	0.043	0.16	23.28	24.00	1.180	0.051	22.4
Bottom side	20	QPSK 1_0	21100/2535	1:1	0.038	0.11	23.28	24.00	1.180	0.045	22.4
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	21100/2535	1:1	0.042	-0.01	22.32	23.00	1.169	0.049	22.4
Back side	20	QPSK 50_0	21100/2535	1:1	0.046	0.19	22.32	23.00	1.169	0.054	22.4
Left side	20	QPSK 50_0	21100/2535	1:1	0.030	0.16	22.32	23.00	1.169	0.035	22.4
Bottom side	20	QPSK 50_0	21100/2535	1:1	0.021	-0.13	22.32	23.00	1.169	0.025	22.4

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	21100/2535	0.859	0.841	1.021	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).						
3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						
5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.						

8.3.5 SAR Result of LTE Band 12

LTE Band 12 SAR Test Record											
Ant 0 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB)											
Left cheek	10	QPSK 1_0	23095/707.5	1:1	0.000	0.06	23.20	24.00	1.202	0.000	22.5
Left tilted	10	QPSK 1_0	23095/707.5	1:1	0.000	0.04	23.20	24.00	1.202	0.000	22.5
Right cheek	10	QPSK 1_0	23095/707.5	1:1	0.045	0.08	23.20	24.00	1.202	0.054	22.5
Right tilted	10	QPSK 1_0	23095/707.5	1:1	0.000	-0.03	23.20	24.00	1.202	0.000	22.5
Head Test Data (50%RB)											
Left cheek	10	QPSK 25_0	23095/707.5	1:1	0.000	0.19	22.26	23.00	1.186	0.000	22.5
Left tilted	10	QPSK 25_0	23095/707.5	1:1	0.000	0.15	22.26	23.00	1.186	0.000	22.5
Right cheek	10	QPSK 25_0	23095/707.5	1:1	0.000	-0.12	22.26	23.00	1.186	0.000	22.5
Right tilted	10	QPSK 25_0	23095/707.5	1:1	0.000	0.17	22.26	23.00	1.186	0.000	22.5
Body worn Test data (Separate 10mm 1RB)											
Front side	10	QPSK 1_0	23095/707.5	1:1	0.045	-0.19	23.20	24.00	1.202	0.054	22.5
Back side	10	QPSK 1_0	23095/707.5	1:1	0.069	-0.05	23.20	24.00	1.202	0.083	22.5
Body worn Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25_0	23095/707.5	1:1	0.000	-0.06	22.26	23.00	1.186	0.000	22.5
Back side	10	QPSK 25_0	23095/707.5	1:1	0.056	0.02	22.26	23.00	1.186	0.066	22.5
Hotspot Test data (Separate 10mm 1RB)											
Front side	10	QPSK 1_0	23095/707.5	1:1	0.045	-0.19	23.20	24.00	1.202	0.054	22.5
Back side	10	QPSK 1_0	23095/707.5	1:1	0.069	-0.05	23.20	24.00	1.202	0.083	22.5
Left side	10	QPSK 1_0	23095/707.5	1:1	0.047	-0.01	23.20	24.00	1.202	0.056	22.5
Right side	10	QPSK 1_0	23095/707.5	1:1	0.064	0.17	23.20	24.00	1.202	0.077	22.5
Bottom side	10	QPSK 1_0	23095/707.5	1:1	0.050	-0.03	23.20	24.00	1.202	0.060	22.5
Hotspot Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25_0	23095/707.5	1:1	0.000	-0.06	22.26	23.00	1.186	0.000	22.5
Back side	10	QPSK 25_0	23095/707.5	1:1	0.056	0.02	22.26	23.00	1.186	0.066	22.5
Left side	10	QPSK 25_0	23095/707.5	1:1	0.000	-0.06	22.26	23.00	1.186	0.000	22.5
Right side	10	QPSK 25_0	23095/707.5	1:1	0.058	-0.10	22.26	23.00	1.186	0.069	22.5
Bottom side	10	QPSK 25_0	23095/707.5	1:1	0.000	-0.09	22.26	23.00	1.186	0.000	22.5

8.3.6 SAR Result of LTE Band 13

LTE Band 13 SAR Test Record											
Ant 0 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB)											
Left cheek	10	QPSK 1_0	23230/782	1:1	0.000	-0.04	23.15	24.00	1.216	0.000	22.5
Left tilted	10	QPSK 1_0	23230/782	1:1	0.000	0.14	23.15	24.00	1.216	0.000	22.5
Right cheek	10	QPSK 1_0	23230/782	1:1	0.054	0.06	23.15	24.00	1.216	0.066	22.5
Right tilted	10	QPSK 1_0	23230/782	1:1	0.000	0.06	23.15	24.00	1.216	0.000	22.5
Head Test Data (50%RB)											
Left cheek	10	QPSK 25_0	23230/782	1:1	0.000	0.06	22.18	23.00	1.208	0.000	22.5
Left tilted	10	QPSK 25_0	23230/782	1:1	0.000	-0.06	22.18	23.00	1.208	0.000	22.5
Right cheek	10	QPSK 25_0	23230/782	1:1	0.000	0.09	22.18	23.00	1.208	0.000	22.5
Right tilted	10	QPSK 25_0	23230/782	1:1	0.000	0.14	22.18	23.00	1.208	0.000	22.5
Body worn Test data (Separate 10mm 1RB)											
Front side	10	QPSK 1_0	23230/782	1:1	0.055	0.10	23.15	24.00	1.216	0.067	22.5
Back side	10	QPSK 1_0	23230/782	1:1	0.089	0.02	23.15	24.00	1.216	0.108	22.5
Body worn Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25_0	23230/782	1:1	0.043	-0.16	22.18	23.00	1.208	0.052	22.5
Back side	10	QPSK 25_0	23230/782	1:1	0.076	-0.12	22.18	23.00	1.208	0.092	22.5
Hotspot Test data (Separate 10mm 1RB)											
Front side	10	QPSK 1_0	23230/782	1:1	0.055	0.10	23.15	24.00	1.216	0.067	22.5
Back side	10	QPSK 1_0	23230/782	1:1	0.089	0.02	23.15	24.00	1.216	0.108	22.5
Left side	10	QPSK 1_0	23230/782	1:1	0.000	0.13	23.15	24.00	1.216	0.000	22.5
Right side	10	QPSK 1_0	23230/782	1:1	0.056	-0.08	23.15	24.00	1.216	0.068	22.5
Bottom side	10	QPSK 1_0	23230/782	1:1	0.060	0.19	23.15	24.00	1.216	0.073	22.5
Hotspot Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25_0	23230/782	1:1	0.043	-0.16	22.18	23.00	1.208	0.052	22.5
Back side	10	QPSK 25_0	23230/782	1:1	0.076	-0.12	22.18	23.00	1.208	0.092	22.5
Left side	10	QPSK 25_0	23230/782	1:1	0.000	0.07	22.18	23.00	1.208	0.000	22.5
Right side	10	QPSK 25_0	23230/782	1:1	0.044	0.02	22.18	23.00	1.208	0.053	22.5
Bottom side	10	QPSK 25_0	23230/782	1:1	0.049	0.15	22.18	23.00	1.208	0.059	22.5

8.3.7 SAR Result of LTE Band 14

LTE Band 14 SAR Test Record											
Ant 0 Test Record											
Test position	BW	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB)											
Left cheek	10	QPSK 1_0	23330/793	1:1	0.000	-0.09	23.10	24.00	1.230	0.000	22.5
Left tilted	10	QPSK 1_0	23330/793	1:1	0.000	-0.17	23.10	24.00	1.230	0.000	22.5
Right cheek	10	QPSK 1_0	23330/793	1:1	0.049	0.09	23.10	24.00	1.230	0.060	22.5
Right tilted	10	QPSK 1_0	23330/793	1:1	0.000	-0.11	23.10	24.00	1.230	0.000	22.5
Head Test Data (50%RB)											
Left cheek	10	QPSK 25_0	23330/793	1:1	0.000	-0.13	22.17	23.00	1.211	0.000	22.5
Left tilted	10	QPSK 25_0	23330/793	1:1	0.000	0.08	22.17	23.00	1.211	0.000	22.5
Right cheek	10	QPSK 25_0	23330/793	1:1	0.000	-0.10	22.17	23.00	1.211	0.000	22.5
Right tilted	10	QPSK 25_0	23330/793	1:1	0.000	-0.10	22.17	23.00	1.211	0.000	22.5
Body worn Test data (Separate 10mm 1RB)											
Front side	10	QPSK 1_0	23330/793	1:1	0.047	0.13	23.10	24.00	1.230	0.058	22.5
Back side	10	QPSK 1_0	23330/793	1:1	0.080	0.09	23.10	24.00	1.230	0.098	22.5
Body worn Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25_0	23330/793	1:1	0.000	0.14	22.17	23.00	1.211	0.000	22.5
Back side	10	QPSK 25_0	23330/793	1:1	0.067	-0.08	22.17	23.00	1.211	0.081	22.5
Hotspot Test data (Separate 10mm 1RB)											
Front side	10	QPSK 1_0	23330/793	1:1	0.047	0.13	23.10	24.00	1.230	0.058	22.5
Back side	10	QPSK 1_0	23330/793	1:1	0.080	0.09	23.10	24.00	1.230	0.098	22.5
Left side	10	QPSK 1_0	23330/793	1:1	0.000	0.09	23.10	24.00	1.230	0.000	22.5
Right side	10	QPSK 1_0	23330/793	1:1	0.049	-0.13	23.10	24.00	1.230	0.060	22.5
Bottom side	10	QPSK 1_0	23330/793	1:1	0.056	0.05	23.10	24.00	1.230	0.069	22.5
Hotspot Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25_0	23330/793	1:1	0.000	0.14	22.17	23.00	1.211	0.000	22.5
Back side	10	QPSK 25_0	23330/793	1:1	0.067	-0.08	22.17	23.00	1.211	0.081	22.5
Left side	10	QPSK 25_0	23330/793	1:1	0.000	0.03	22.17	23.00	1.211	0.000	22.5
Right side	10	QPSK 25_0	23330/793	1:1	0.000	-0.02	22.17	23.00	1.211	0.000	22.5
Bottom side	10	QPSK 25_0	23330/793	1:1	0.050	0.10	22.17	23.00	1.211	0.061	22.5

8.3.8 SAR Result of LTE Band 25

LTE Band 25 SAR Test Record											
Ant 0 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB)											
Left cheek	20	QPSK 1_0	26365/1882.5	1:1	0.073	0.03	23.23	24.00	1.194	0.087	22.8
Left tilted	20	QPSK 1_0	26365/1882.5	1:1	0.058	0.10	23.23	24.00	1.194	0.069	22.8
Right cheek	20	QPSK 1_0	26365/1882.5	1:1	0.083	-0.10	23.23	24.00	1.194	0.099	22.8
Right tilted	20	QPSK 1_0	26365/1882.5	1:1	0.043	0.14	23.23	24.00	1.194	0.051	22.8
Right cheek-CA_2C	20	QPSK PCC 1_99	18900/1880	1:1	0.08	-0.07	23.2	24.00	1.202	0.096	22.8
		QPSK SCC 1_0	19098/1899.8								
Head Test Data (50%RB)											
Left cheek	20	QPSK 50_0	26365/1882.5	1:1	0.053	0.17	22.23	23.00	1.194	0.063	22.8
Left tilted	20	QPSK 50_0	26365/1882.5	1:1	0.048	0.02	22.23	23.00	1.194	0.057	22.8
Right cheek	20	QPSK 50_0	26365/1882.5	1:1	0.068	-0.17	22.23	23.00	1.194	0.081	22.8
Right tilted	20	QPSK 50_0	26365/1882.5	1:1	0.000	0.17	22.23	23.00	1.194	0.000	22.8
Body worn Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	26365/1882.5	1:1	0.552	-0.12	23.23	24.00	1.194	0.659	22.8
Back side	20	QPSK 1_0	26365/1882.5	1:1	0.847	0.04	23.23	24.00	1.194	1.011	22.8
Back side-repeated sar	20	QPSK 1_0	26365/1882.5	1:1	0.833	0.02	23.23	24.00	1.194	0.995	22.8
Back side	20	QPSK 1_0	26140/1860	1:1	0.800	0.16	23.20	24.00	1.202	0.962	22.8
Back side	20	QPSK 1_0	26590/1905	1:1	0.814	0.07	23.22	24.00	1.197	0.974	22.8
Back side-CA_2C	20	QPSK PCC 1_99	18900/1880	1:1	0.816	0.01	23.2	24.00	1.202	0.981	22.8
		QPSK SCC 1_0	19098/1899.8								
Body worn Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	26365/1882.5	1:1	0.479	-0.19	22.23	23.00	1.194	0.572	22.8
Back side	20	QPSK 50_0	26365/1882.5	1:1	0.732	-0.16	22.23	23.00	1.194	0.874	22.8
Back side	20	QPSK 50_0	26140/1860	1:1	0.700	-0.16	22.17	23.00	1.211	0.848	22.8
Back side	20	QPSK 50_0	26590/1905	1:1	0.698	0.11	22.18	23.00	1.208	0.843	22.8
Body worn Test data (Separate 10mm 100%RB)											
Back side	20	QPSK 100_0	26365/1882.5	1:1	0.710	0.16	22.20	23.00	1.202	0.853	22.8
Body worn Evaluate data (Separate 10mm 1RB) for Simultaneous ULCA&ENDC											
Front side	20	QPSK 1_0	26365/1882.5	1:1	0.552	-0.12	23.23	21.00	0.598	0.330	22.8
Back side	20	QPSK 1_0	26365/1882.5	1:1	0.847	0.04	23.23	21.00	0.598	0.507	22.8
Body worn Evaluate data (Separate 10mm 50%RB) for Simultaneous ULCA&ENDC											
Front side	20	QPSK 50_0	26365/1882.5	1:1	0.479	-0.19	22.23	21.00	0.753	0.361	22.8
Back side	20	QPSK 50_0	26365/1882.5	1:1	0.732	-0.16	22.23	21.00	0.753	0.551	22.8
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	26365/1882.5	1:1	0.348	0.17	21.39	22.00	1.151	0.401	22.8
Back side	20	QPSK 1_0	26365/1882.5	1:1	0.534	-0.16	21.39	22.00	1.151	0.615	22.8
Left side	20	QPSK 1_0	26365/1882.5	1:1	0.064	-0.06	21.39	22.00	1.151	0.074	22.8
Right side	20	QPSK 1_0	26365/1882.5	1:1	0.174	-0.16	21.39	22.00	1.151	0.200	22.8
Bottom side	20	QPSK 1_0	26365/1882.5	1:1	0.895	0.02	21.39	22.00	1.151	1.030	22.8
Bottom side	20	QPSK 1_0	26140/1860	1:1	0.841	-0.10	21.19	22.00	1.205	1.013	22.8
Bottom side	20	QPSK 1_0	26590/1905	1:1	0.826	0.11	21.15	22.00	1.216	1.004	22.8
Bottom side-CA_2C	20	QPSK PCC 1_99	18900/1880	1:1	0.809	0.14	21.08	22.00	1.236	1.000	22.8
		QPSK SCC 1_0	19098/1899.8								
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	26365/1882.5	1:1	0.302	0.13	21.30	22.00	1.175	0.355	22.8

Back side	20	QPSK 50_0	26365/1882.5	1:1	0.462	-0.14	21.30	22.00	1.175	0.543	22.8
Left side	20	QPSK 50_0	26365/1882.5	1:1	0.060	-0.18	21.30	22.00	1.175	0.071	22.8
Right side	20	QPSK 50_0	26365/1882.5	1:1	0.177	0.15	21.30	22.00	1.175	0.208	22.8
Bottom side	20	QPSK 50_0	26365/1882.5	1:1	0.846	-0.06	21.30	22.00	1.175	0.994	22.8
Bottom side	20	QPSK 50_0	26140/1860	1:1	0.810	-0.09	21.15	22.00	1.216	0.985	22.8
Bottom side	20	QPSK 50_0	26590/1905	1:1	0.798	-0.10	21.05	22.00	1.245	0.994	22.8
Hotspot Test data (Separate 10mm 100%RB)											
Bottom side	20	QPSK 100_0	26365/1882.5	1:1	0.741	0.15	21.22	22.00	1.197	0.887	22.8
Hotspot Evaluate data (Separate 10mm 1RB) for Simultaneous ULCA&ENDC											
Front side	20	QPSK 1_0	26365/1882.5	1:1	0.348	0.17	21.39	19.00	0.577	0.201	22.8
Back side	20	QPSK 1_0	26365/1882.5	1:1	0.534	-0.16	21.39	19.00	0.577	0.308	22.8
Left side	20	QPSK 1_0	26365/1882.5	1:1	0.064	-0.06	21.39	19.00	0.577	0.037	22.8
Right side	20	QPSK 1_0	26365/1882.5	1:1	0.174	-0.16	21.39	19.00	0.577	0.100	22.8
Bottom side	20	QPSK 1_0	26365/1882.5	1:1	0.895	0.02	21.39	19.00	0.577	0.516	22.8
Hotspot Evaluate data (Separate 10mm 50%RB) for Simultaneous ULCA&ENDC											
Front side	20	QPSK 50_0	26365/1882.5	1:1	0.302	0.13	21.30	19.00	0.589	0.178	22.8
Back side	20	QPSK 50_0	26365/1882.5	1:1	0.462	-0.14	21.30	19.00	0.589	0.272	22.8
Left side	20	QPSK 50_0	26365/1882.5	1:1	0.060	-0.18	21.30	19.00	0.589	0.035	22.8
Right side	20	QPSK 50_0	26365/1882.5	1:1	0.177	0.15	21.30	19.00	0.589	0.104	22.8
Bottom side	20	QPSK 50_0	26365/1882.5	1:1	0.846	-0.06	21.30	19.00	0.589	0.498	22.8
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)10-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled 10-g SAR(W/kg)	Liquid Temp.
Product specific 10g SAR Test data(Separate 0mm 1RB)											
Bottom side	20	QPSK 1_0	26365/1882.5	1:1	2.630	-0.04	23.23	24.00	1.194	3.140	22.8
Bottom side-repeated sar	20	QPSK 1_0	26365/1882.5	1:1	2.600	0.01	23.23	24.00	1.194	3.104	22.8
Bottom side	20	QPSK 1_0	26140/1860	1:1	2.410	0.12	23.20	24.00	1.202	2.897	22.8
Bottom side	20	QPSK 1_0	26590/1905	1:1	2.560	0.08	23.22	24.00	1.197	3.064	22.8
Bottom side-CA_2C	20	QPSK PCC 1_99	18900/1880	1:1	2.50	0.06	23.2	24.00	1.202	3.005	22.8
		QPSK SCC 1_0	19098/1899.8								
Product specific 10g SAR Test data(Separate 0mm 50%RB)											
Bottom side	20	QPSK 50_0	26365/1882.5	1:1	2.500	0.03	22.23	23.00	1.194	2.985	22.8
Bottom side	20	QPSK 50_0	26140/1860	1:1	2.360	-0.05	22.17	23.00	1.211	2.858	22.8
Bottom side	20	QPSK 50_0	26590/1905	1:1	2.450	-0.10	22.18	23.00	1.208	2.960	22.8
Product specific 10g SAR Test data (Separate 0mm 100%RB)											
Bottom side	20	QPSK 100_0	26365/1882.5	1:1	2.120	-0.17	22.20	23.00	1.202	2.548	22.8
Ant 1 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) Receiver on											
Left cheek	20	QPSK 1_0	26365/1882.5	1:1	0.540	-0.15	16.07	17.00	1.239	0.669	22.8
Left tilted	20	QPSK 1_0	26365/1882.5	1:1	0.632	0.07	16.07	17.00	1.239	0.783	22.8
Right cheek	20	QPSK 1_0	26365/1882.5	1:1	0.810	-0.18	16.07	17.00	1.239	1.004	22.8
Right cheek	20	QPSK 1_0	26140/1860	1:1	0.741	-0.02	15.92	17.00	1.282	0.950	22.8
Right cheek	20	QPSK 1_0	26590/1905	1:1	0.763	0.08	15.86	17.00	1.300	0.992	22.8
Right tilted	20	QPSK 1_0	26365/1882.5	1:1	0.893	0.01	16.07	17.00	1.239	1.106	22.8
Right tilted-repeated sar	20	QPSK 1_0	26365/1882.5	1:1	0.875	0.06	16.07	17.00	1.239	1.084	22.8
Right tilted	20	QPSK 1_0	26140/1860	1:1	0.841	-0.07	15.92	17.00	1.282	1.078	22.8
Right tilted	20	QPSK 1_0	26590/1905	1:1	0.836	0.19	15.86	17.00	1.300	1.087	22.8
Head Test Data (50%RB) Receiver on											
Left cheek	20	QPSK 50_0	26365/1882.5	1:1	0.512	0.10	16.03	17.00	1.250	0.640	22.8

Left tilted	20	QPSK 50_0	26365/1882.5	1:1	0.630	-0.15	16.03	17.00	1.250	0.788	22.8
Right cheek	20	QPSK 50_0	26365/1882.5	1:1	0.730	-0.14	16.03	17.00	1.250	0.913	22.8
Right cheek	20	QPSK 50_0	26140/1860	1:1	0.685	-0.19	15.87	17.00	1.297	0.888	22.8
Right cheek	20	QPSK 50_0	26590/1905	1:1	0.687	0.02	15.74	17.00	1.337	0.919	22.8
Right tilted	20	QPSK 50_0	26365/1882.5	1:1	0.820	-0.11	16.03	17.00	1.250	1.025	22.8
Right tilted	20	QPSK 50_0	26140/1860	1:1	0.745	0.07	15.87	17.00	1.297	0.966	22.8
Right tilted	20	QPSK 50_0	26590/1905	1:1	0.768	0.14	15.74	17.00	1.337	1.027	22.8
Head Test Data (100%RB) Receiver on											
Right cheek	20	QPSK 100_0	26365/1882.5	1:1	0.611	-0.09	15.90	17.00	1.288	0.787	22.8
Right tilted	20	QPSK 100_0	26365/1882.5	1:1	0.725	-0.14	15.90	17.00	1.288	0.934	22.8
Body worn Test data (Separate 10mm 1RB) sensor on											
Front side	20	QPSK 1_0	26365/1882.5	1:1	0.731	0.17	21.12	22.00	1.225	0.895	22.8
Front side	20	QPSK 1_0	26140/1860	1:1	0.702	-0.09	21.03	22.00	1.250	0.878	22.8
Front side	20	QPSK 1_0	26590/1905	1:1	0.685	0.00	21.05	22.00	1.245	0.853	22.8
Back side	20	QPSK 1_0	26365/1882.5	1:1	0.834	0.16	21.12	22.00	1.225	1.022	22.8
Back side	20	QPSK 1_0	26140/1860	1:1	0.756	0.13	21.03	22.00	1.250	0.945	22.8
Back side	20	QPSK 1_0	26590/1905	1:1	0.736	0.06	21.05	22.00	1.245	0.916	22.8
Body worn Test data (Separate 10mm 50%RB) sensor on											
Front side	20	QPSK 50_0	26365/1882.5	1:1	0.620	-0.17	21.06	22.00	1.242	0.770	22.8
Back side	20	QPSK 50_0	26365/1882.5	1:1	0.768	0.13	21.06	22.00	1.242	0.954	22.8
Back side	20	QPSK 50_0	26140/1860	1:1	0.708	0.00	20.72	22.00	1.343	0.951	22.8
Back side	20	QPSK 50_0	26590/1905	1:1	0.705	-0.12	20.76	22.00	1.330	0.938	22.8
Body worn Test data (Separate 10mm 100%RB) sensor on											
Front side	20	QPSK 100_0	26365/1882.5	1:1	0.555	0.04	20.92	22.00	1.282	0.712	22.8
Back side	20	QPSK 100_0	26365/1882.5	1:1	0.647	0.05	20.92	22.00	1.282	0.829	22.8
Body worn Test data (1RB) sensor off											
Front side-14mm	20	QPSK 1_0	26365/1882.5	1:1	0.720	0.07	23.05	24.00	1.245	0.896	22.8
Front side-14mm	20	QPSK 1_0	26140/1860	1:1	0.660	0.03	22.90	24.00	1.288	0.850	22.8
Front side-14mm	20	QPSK 1_0	26590/1905	1:1	0.678	-0.16	22.93	24.00	1.279	0.867	22.8
Back side-21mm	20	QPSK 1_0	26365/1882.5	1:1	0.385	-0.02	23.05	24.00	1.245	0.479	22.8
Body worn Test data (50%RB) sensor off											
Front side-14mm	20	QPSK 50_0	26365/1882.5	1:1	0.671	-0.10	22.05	23.00	1.245	0.835	22.8
Front side-14mm	20	QPSK 50_0	26140/1860	1:1	0.633	-0.09	21.85	23.00	1.303	0.825	22.8
Front side-14mm	20	QPSK 50_0	26590/1905	1:1	0.624	0.09	21.85	23.00	1.303	0.813	22.8
Back side-21mm	20	QPSK 50_0	26365/1882.5	1:1	0.298	-0.07	22.05	23.00	1.245	0.371	22.8
Body worn Test data (100%RB) sensor off											
Front side-14mm	20	QPSK 100_0	26365/1882.5	1:1	0.530	0.05	22.03	23.00	1.250	0.663	22.8
Body worn Evaluate data (Separate 10mm 1RB) sensor on for Simultaneous ULCA&ENDC											
Front side	20	QPSK 1_0	26365/1882.5	1:1	0.731	0.17	21.12	19.00	0.614	0.449	22.8
Back side	20	QPSK 1_0	26365/1882.5	1:1	0.834	0.16	21.12	19.00	0.614	0.512	22.8
Body worn Evaluate data (Separate 10mm 50%RB) sensor on for Simultaneous ULCA&ENDC											
Front side	20	QPSK 50_0	26365/1882.5	1:1	0.620	-0.17	21.06	19.00	0.622	0.386	22.8
Back side	20	QPSK 50_0	26365/1882.5	1:1	0.768	0.13	21.06	19.00	0.622	0.478	22.8
Body worn Evaluate data (1RB) sensor off for Simultaneous ULCA&ENDC											
Front side-14mm	20	QPSK 1_0	26365/1882.5	1:1	0.720	0.07	23.05	19.00	0.394	0.284	22.8
Back side-21mm	20	QPSK 1_0	26365/1882.5	1:1	0.385	-0.02	23.05	19.00	0.394	0.152	22.8
Body worn Evaluate data (50%RB) sensor off for Simultaneous ULCA&ENDC											
Front side-14mm	20	QPSK 50_0	26365/1882.5	1:1	0.671	-0.10	22.05	19.00	0.495	0.332	22.8
Back side-21mm	20	QPSK 50_0	26365/1882.5	1:1	0.298	-0.07	22.05	19.00	0.495	0.148	22.8
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	26365/1882.5	1:1	0.609	0.04	20.67	21.50	1.211	0.737	22.8

Back side	20	QPSK 1_0	26365/1882.5	1:1	0.708	-0.17	20.67	21.50	1.211	0.857	22.8
Back side	20	QPSK 1_0	26140/1860	1:1	0.615	0.09	20.25	21.50	1.334	0.820	22.8
Back side	20	QPSK 1_0	26590/1905	1:1	0.632	0.06	20.36	21.50	1.300	0.822	22.8
Left side	20	QPSK 1_0	26365/1882.5	1:1	0.194	0.05	20.67	21.50	1.211	0.235	22.8
Top side	20	QPSK 1_0	26365/1882.5	1:1	0.929	0.19	20.67	21.50	1.211	1.125	22.8
Top side-repeated sar	20	QPSK 1_0	26365/1882.5	1:1	0.912	0.03	20.67	21.50	1.211	1.104	22.8
Top side	20	QPSK 1_0	26140/1860	1:1	0.840	0.17	20.25	21.50	1.334	1.121	22.8
Top side	20	QPSK 1_0	26590/1905	1:1	0.863	0.04	20.36	21.50	1.300	1.122	22.8
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	26365/1882.5	1:1	0.493	-0.13	20.59	21.50	1.233	0.608	22.8
Back side	20	QPSK 50_0	26365/1882.5	1:1	0.575	-0.12	20.59	21.50	1.233	0.709	22.8
Left side	20	QPSK 50_0	26365/1882.5	1:1	0.167	0.06	20.59	21.50	1.233	0.206	22.8
Top side	20	QPSK 50_0	26365/1882.5	1:1	0.888	0.04	20.59	21.50	1.233	1.095	22.8
Top side	20	QPSK 50_0	26140/1860	1:1	0.815	-0.19	20.17	21.50	1.358	1.107	22.8
Top side	20	QPSK 50_0	26590/1905	1:1	0.824	0.18	20.36	21.50	1.300	1.071	22.8
Hotspot Test data (Separate 10mm 100%RB)											
Back side	20	QPSK 100_0	26365/1882.5	1:1	0.522	-0.16	20.47	21.50	1.268	0.662	22.8
Top side	20	QPSK 100_0	26365/1882.5	1:1	0.800	-0.11	20.47	21.50	1.268	1.014	22.8
Hotspot Evaluate data (Separate 10mm 1RB) for Simultaneous ULCA&ENDC											
Front side	20	QPSK 1_0	26365/1882.5	1:1	0.609	0.04	20.67	18.50	0.607	0.370	22.8
Back side	20	QPSK 1_0	26365/1882.5	1:1	0.708	-0.17	20.67	18.50	0.607	0.430	22.8
Left side	20	QPSK 1_0	26365/1882.5	1:1	0.194	0.05	20.67	18.50	0.607	0.118	22.8
Top side	20	QPSK 1_0	26365/1882.5	1:1	0.929	0.19	20.67	18.50	0.607	0.564	22.8
Hotspot Evaluate data (Separate 10mm 50%RB) for Simultaneous ULCA&ENDC											
Front side	20	QPSK 50_0	26365/1882.5	1:1	0.493	-0.13	20.59	18.50	0.618	0.305	22.8
Back side	20	QPSK 50_0	26365/1882.5	1:1	0.575	-0.12	20.59	18.50	0.618	0.355	22.8
Left side	20	QPSK 50_0	26365/1882.5	1:1	0.167	0.06	20.59	18.50	0.618	0.103	22.8
Top side	20	QPSK 50_0	26365/1882.5	1:1	0.888	0.04	20.59	18.50	0.618	0.549	22.8
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)10-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled 10-g SAR(W/kg)	Liquid Temp.
Product specific 10g SAR Test data(0mm) (Separate 0mm 1RB) sensor on											
Top side	20	QPSK 1_0	26365/1882.5	1:1	2.530	-0.07	21.12	22.00	1.225	3.099	22.8
Top side	20	QPSK 1_0	26140/1860	1:1	2.410	0.16	21.03	22.00	1.250	3.013	22.8
Top side	20	QPSK 1_0	26590/1905	1:1	2.300	0.06	21.05	22.00	1.245	2.864	22.8
Product specific 10g SAR Test data(0mm) (Separate 0mm 50%RB) sensor on											
Top side	20	QPSK 50_0	26365/1882.5	1:1	2.410	0.14	21.06	22.00	1.242	2.993	22.8
Top side	20	QPSK 50_0	26140/1860	1:1	2.300	-0.07	20.72	22.00	1.343	3.089	22.8
Top side	20	QPSK 50_0	26590/1905	1:1	2.360	0.12	20.76	22.00	1.330	3.139	22.8
Product specific 10g SAR Test data(0mm) (Separate 0mm 100%RB) sensor on											
Top side	20	QPSK 100_0	26365/1882.5	1:1	1.960	-0.12	20.92	22.00	1.282	2.513	22.8
Product specific 10g SAR Test data(0mm) (1RB) sensor off											
Top side-20mm	20	QPSK 1_0	26365/1882.5	1:1	0.305	2.00	23.05	24.00	1.245	0.380	22.8
Product specific 10g SAR Test data(0mm) (50%RB) sensor off											
Top side-20mm	20	QPSK 50_0	26365/1882.5	1:1	0.239	-0.01	22.05	23.00	1.245	0.298	22.8

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right tilted	26365/1882.5	0.893	0.875	1.021	N/A	N/A
Back side 10mm	26365/1882.5	0.847	0.833	1.017	N/A	N/A
Top Side 10mm	26365/1882.5	0.929	0.912	1.019	N/A	N/A
Bottom side 0mm	26365/1882.5	2.630	2.600	1.012	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).						
3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						
5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.						

8.3.9 SAR Result of LTE Band 26

LTE Band 26 SAR Test Record											
Ant 0 Test Record											
Test position	BW	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB)											
Left cheek	15	QPSK 1_0	26865/831.5	1:1	0.074	0.17	23.26	24.00	1.186	0.088	22.7
Left tilted	15	QPSK 1_0	26865/831.5	1:1	0.063	0.08	23.26	24.00	1.186	0.075	22.7
Right cheek	15	QPSK 1_0	26865/831.5	1:1	0.119	0.05	23.26	24.00	1.186	0.141	22.7
Right tilted	15	QPSK 1_0	26865/831.5	1:1	0.065	-0.04	23.26	24.00	1.186	0.077	22.7
Head Test Data (50%RB)											
Left cheek	15	QPSK 36_0	26865/831.5	1:1	0.067	0.16	22.24	23.00	1.191	0.080	22.7
Left tilted	15	QPSK 36_0	26865/831.5	1:1	0.051	-0.05	22.24	23.00	1.191	0.061	22.7
Right cheek	15	QPSK 36_0	26865/831.5	1:1	0.094	0.00	22.24	23.00	1.191	0.112	22.7
Right tilted	15	QPSK 36_0	26865/831.5	1:1	0.056	-0.01	22.24	23.00	1.191	0.067	22.7
Body worn Test data (Separate 10mm 1RB)											
Front side	15	QPSK 1_0	26865/831.5	1:1	0.159	0.09	23.26	24.00	1.186	0.189	22.7
Back side	15	QPSK 1_0	26865/831.5	1:1	0.195	0.03	23.26	24.00	1.186	0.231	22.7
Body worn Test data (Separate 10mm 50%RB)											
Front side	15	QPSK 36_0	26865/831.5	1:1	0.135	-0.14	22.24	23.00	1.191	0.161	22.7
Back side	15	QPSK 36_0	26865/831.5	1:1	0.166	-0.06	22.24	23.00	1.191	0.198	22.7
Hotspot Test data (Separate 10mm 1RB)											
Front side	15	QPSK 1_0	26865/831.5	1:1	0.159	0.09	23.26	24.00	1.186	0.189	22.7
Back side	15	QPSK 1_0	26865/831.5	1:1	0.195	0.03	23.26	24.00	1.186	0.231	22.7
Left side	15	QPSK 1_0	26865/831.5	1:1	0.064	0.10	23.26	24.00	1.186	0.076	22.7
Right side	15	QPSK 1_0	26865/831.5	1:1	0.103	-0.19	23.26	24.00	1.186	0.122	22.7
Bottom side	15	QPSK 1_0	26865/831.5	1:1	0.125	0.18	23.26	24.00	1.186	0.148	22.7
Hotspot Test data (Separate 10mm 50%RB)											
Front side	15	QPSK 36_0	26865/831.5	1:1	0.135	-0.14	22.24	23.00	1.191	0.161	22.7
Back side	15	QPSK 36_0	26865/831.5	1:1	0.166	-0.06	22.24	23.00	1.191	0.198	22.7
Left side	15	QPSK 36_0	26865/831.5	1:1	0.055	0.07	22.24	23.00	1.191	0.066	22.7
Right side	15	QPSK 36_0	26865/831.5	1:1	0.086	-0.04	22.24	23.00	1.191	0.102	22.7
Bottom side	15	QPSK 36_0	26865/831.5	1:1	0.106	0.18	22.24	23.00	1.191	0.126	22.7

8.3.10 SAR Result of LTE Band 30

LTE Band 30 SAR Test Record											
Ant 5 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) Receiver on											
Left cheek	10	QPSK 1_0	27710/2310	1:1	0.309	-0.14	19.73	20.50	1.194	0.369	22.9
Left tilted	10	QPSK 1_0	27710/2310	1:1	0.294	0.13	19.73	20.50	1.194	0.351	22.9
Right cheek	10	QPSK 1_0	27710/2310	1:1	0.852	0.12	19.73	20.50	1.194	1.017	22.9
Right cheek-repeated sar	10	QPSK 1_0	27710/2310	1:1	0.841	0.01	19.73	20.50	1.194	1.004	22.9
Right tilted	10	QPSK 1_0	27710/2310	1:1	0.520	0.12	19.73	20.50	1.194	0.621	22.9
Head Test Data (50%RB) Receiver on											
Left cheek	10	QPSK 25_0	27710/2310	1:1	0.237	-0.05	19.70	20.50	1.202	0.285	22.9
Left tilted	10	QPSK 25_0	27710/2310	1:1	0.223	-0.06	19.70	20.50	1.202	0.268	22.9
Right cheek	10	QPSK 25_0	27710/2310	1:1	0.689	0.14	19.70	20.50	1.202	0.828	22.9
Right tilted	10	QPSK 25_0	27710/2310	1:1	0.404	0.16	19.70	20.50	1.202	0.486	22.9
Head Test Data (100%RB) Receiver on											
Right cheek	10	QPSK 50_0	27710/2310	1:1	0.524	0.12	19.68	20.50	1.208	0.633	22.9
Body worn Test data (Separate 10mm 1RB)											
Front side	10	QPSK 1_0	27710/2310	1:1	0.397	0.18	23.49	24.00	1.125	0.447	22.9
Back side	10	QPSK 1_0	27710/2310	1:1	0.882	0.09	23.49	24.00	1.125	0.992	22.9
Back side-repeated sar	10	QPSK 1_0	27710/2310	1:1	0.869	0.02	23.49	24.00	1.125	0.978	22.9
Body worn Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25_0	27710/2310	1:1	0.340	0.02	22.51	23.00	1.119	0.380	22.9
Back side	10	QPSK 25_0	27710/2310	1:1	0.712	-0.09	22.51	23.00	1.119	0.797	22.9
Body worn Test data (Separate 10mm 100%RB)											
Back side	10	QPSK 50_0	27710/2310	1:1	0.722	0.01	22.48	23.00	1.127	0.814	22.9
Body worn Evaluate data (Separate 10mm 1RB) for Simultaneous ULCA&ENDC											
Front side	10	QPSK 1_0	27710/2310	1:1	0.397	0.18	23.49	21.00	0.564	0.224	22.9
Back side	10	QPSK 1_0	27710/2310	1:1	0.882	0.09	23.49	21.00	0.564	0.497	22.9
Body worn Evaluate data (Separate 10mm 50%RB) for Simultaneous ULCA&ENDC											
Front side	10	QPSK 25_0	27710/2310	1:1	0.340	0.02	22.51	21.00	0.706	0.240	22.9
Back side	10	QPSK 25_0	27710/2310	1:1	0.712	-0.09	22.51	21.00	0.706	0.503	22.9
Hotspot Test data (Separate 10mm 1RB)											
Front side	10	QPSK 1_0	27710/2310	1:1	0.397	0.18	23.49	24.00	1.125	0.447	22.9
Back side	10	QPSK 1_0	27710/2310	1:1	0.882	0.09	23.49	24.00	1.125	0.992	22.9
Back side-repeated sar	10	QPSK 1_0	27710/2310	1:1	0.869	0.02	23.49	24.00	1.125	0.978	22.9
Left side	10	QPSK 1_0	27710/2310	1:1	0.210	0.19	23.49	24.00	1.125	0.236	22.9
Top side	10	QPSK 1_0	27710/2310	1:1	0.309	-0.02	23.49	24.00	1.125	0.348	22.9
Hotspot Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25_0	27710/2310	1:1	0.340	0.02	22.51	23.00	1.119	0.380	22.9
Back side	10	QPSK 25_0	27710/2310	1:1	0.712	-0.09	22.51	23.00	1.119	0.797	22.9
Left side	10	QPSK 25_0	27710/2310	1:1	0.176	-0.17	22.51	23.00	1.119	0.197	22.9
Top side	10	QPSK 25_0	27710/2310	1:1	0.261	0.16	22.51	23.00	1.119	0.292	22.9
Hotspot Test data (Separate 10mm 100%RB)											
Back side	10	QPSK 50_0	27710/2310	1:1	0.722	0.01	22.48	23.00	1.127	0.814	22.9
Hotspot Evaluate data (Separate 10mm 1RB) for Simultaneous ULCA&ENDC											
Front side	10	QPSK 1_0	27710/2310	1:1	0.397	0.18	23.49	21.00	0.564	0.224	22.9
Back side	10	QPSK 1_0	27710/2310	1:1	0.882	0.09	23.49	21.00	0.564	0.497	22.9

Left side	10	QPSK 1_0	27710/2310	1:1	0.210	0.19	23.49	21.00	0.564	0.118	22.9
Top side	10	QPSK 1_0	27710/2310	1:1	0.309	-0.02	23.49	21.00	0.564	0.174	22.9
Hotspot Evaluate data (Separate 10mm 50%RB) for Simultaneous ULCA&ENDC											
Front side	10	QPSK 25_0	27710/2310	1:1	0.340	0.02	22.51	21.00	0.706	0.240	22.9
Back side	10	QPSK 25_0	27710/2310	1:1	0.712	-0.09	22.51	21.00	0.706	0.503	22.9
Left side	10	QPSK 25_0	27710/2310	1:1	0.176	-0.17	22.51	21.00	0.706	0.124	22.9
Top side	10	QPSK 25_0	27710/2310	1:1	0.261	0.16	22.51	21.00	0.706	0.184	22.9
Ant 4 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB)											
Left cheek	10	QPSK 1_0	27710/2310	1:1	0.051	0.18	23.14	24.00	1.219	0.062	22.9
Left tilted	10	QPSK 1_0	27710/2310	1:1	0.000	-0.10	23.14	24.00	1.219	0.000	22.9
Right cheek	10	QPSK 1_0	27710/2310	1:1	0.000	0.02	23.14	24.00	1.219	0.000	22.9
Right tilted	10	QPSK 1_0	27710/2310	1:1	0.000	0.01	23.14	24.00	1.219	0.000	22.9
Head Test Data (50%RB)											
Left cheek	10	QPSK 25_0	27710/2310	1:1	0.041	0.08	22.09	23.00	1.233	0.051	22.9
Left tilted	10	QPSK 25_0	27710/2310	1:1	0.000	-0.17	22.09	23.00	1.233	0.000	22.9
Right cheek	10	QPSK 25_0	27710/2310	1:1	0.000	-0.11	22.09	23.00	1.233	0.000	22.9
Right tilted	10	QPSK 25_0	27710/2310	1:1	0.000	0.10	22.09	23.00	1.233	0.000	22.9
Body worn Test data (Separate 10mm 1RB)											
Front side	10	QPSK 1_0	27710/2310	1:1	0.071	0.01	23.14	24.00	1.219	0.087	22.9
Back side	10	QPSK 1_0	27710/2310	1:1	0.103	-0.14	23.14	24.00	1.219	0.126	22.9
Body worn Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25_0	27710/2310	1:1	0.061	0.03	22.09	23.00	1.233	0.075	22.9
Back side	10	QPSK 25_0	27710/2310	1:1	0.086	0.07	22.09	23.00	1.233	0.106	22.9
Hotspot Test data (Separate 10mm 1RB)											
Front side	10	QPSK 1_0	27710/2310	1:1	0.071	0.01	23.14	24.00	1.219	0.087	22.9
Back side	10	QPSK 1_0	27710/2310	1:1	0.103	-0.14	23.14	24.00	1.219	0.126	22.9
Left side	10	QPSK 1_0	27710/2310	1:1	0.078	-0.03	23.14	24.00	1.219	0.095	22.9
Bottom side	10	QPSK 1_0	27710/2310	1:1	0.044	-0.18	23.14	24.00	1.219	0.054	22.9
Hotspot Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25_0	27710/2310	1:1	0.061	0.03	22.09	23.00	1.233	0.075	22.9
Back side	10	QPSK 25_0	27710/2310	1:1	0.086	0.07	22.09	23.00	1.233	0.106	22.9
Left side	10	QPSK 25_0	27710/2310	1:1	0.060	-0.11	22.09	23.00	1.233	0.074	22.9
Bottom side	10	QPSK 25_0	27710/2310	1:1	0.032	0.18	22.09	23.00	1.233	0.039	22.9

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	27710/2310	0.852	0.841	1.013	N/A	N/A
Back side 10mm	27710/2310	0.882	0.869	1.015	N/A	N/A

Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.

2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).

3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg

5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.

8.3.11 SAR Result of LTE Band 41

LTE Band 41 SAR Test Record											
Ant 4 Test Record											
Test position	BW	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB)											
Left cheek	20	QPSK 1_0	40620/2593	1:1.58	0.000	0.00	23.58	24.00	1.102	0.000	22.4
Left tilted	20	QPSK 1_0	40620/2593	1:1.58	0.000	0.18	23.58	24.00	1.102	0.000	22.4
Right cheek	20	QPSK 1_0	40620/2593	1:1.58	0.000	0.03	23.58	24.00	1.102	0.000	22.4
Right cheek-PC2	20	QPSK 1_0	40620/2593	1:2.33	0.000	0.06	23.58	24.00	1.102	0.000	22.4
Right tilted	20	QPSK 1_0	40620/2593	1:1.58	0.000	0.13	23.58	24.00	1.102	0.000	22.4
Head Test Data (50%RB)											
Left cheek	20	QPSK 50_0	40620/2593	1:1.58	0.000	-0.14	22.56	23.00	1.107	0.000	22.4
Left tilted	20	QPSK 50_0	40620/2593	1:1.58	0.000	0.03	22.56	23.00	1.107	0.000	22.4
Right cheek	20	QPSK 50_0	40620/2593	1:1.58	0.000	-0.09	22.56	23.00	1.107	0.000	22.4
Right tilted	20	QPSK 50_0	40620/2593	1:1.58	0.000	0.03	22.56	23.00	1.107	0.000	22.4
Body worn Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	40620/2593	1:1.58	0.000	0.08	23.58	24.00	1.102	0.000	22.4
Back side	20	QPSK 1_0	40620/2593	1:1.58	0.021	-0.18	23.58	24.00	1.102	0.023	22.4
Back side-PC2	20	QPSK 1_0	40620/2593	1:2.33	0.031	0.04	26.59	27.00	1.099	0.034	22.4
Body worn Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	40620/2593	1:1.58	0.000	0.12	22.56	23.00	1.107	0.000	22.4
Back side	20	QPSK 50_0	40620/2593	1:1.58	0.000	-0.18	22.56	23.00	1.107	0.000	22.4
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	40620/2593	1:1.58	0.000	0.08	23.58	24.00	1.102	0.000	22.4
Back side	20	QPSK 1_0	40620/2593	1:1.58	0.021	-0.18	23.58	24.00	1.102	0.023	22.4
Back side-PC2	20	QPSK 1_0	40620/2593	1:2.33	0.031	0.00	26.59	27.00	1.099	0.034	22.4
Left side	20	QPSK 1_0	40620/2593	1:1.58	0.000	0.05	23.58	24.00	1.102	0.000	22.4
Top side	20	QPSK 1_0	40620/2593	1:1.58	0.000	0.06	23.58	24.00	1.102	0.000	22.4
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	40620/2593	1:1.58	0.000	0.12	22.56	23.00	1.107	0.000	22.4
Back side	20	QPSK 50_0	40620/2593	1:1.58	0.000	-0.18	22.56	23.00	1.107	0.000	22.4
Left side	20	QPSK 50_0	40620/2593	1:1.58	0.000	-0.02	22.56	23.00	1.107	0.000	22.4
Top side	20	QPSK 50_0	40620/2593	1:1.58	0.000	-0.01	22.56	23.00	1.107	0.000	22.4

8.3.12 SAR Result of LTE Band 48

LTE Band 48 SAR Test Record											
Ant 6 Test Record											
Test position	BW	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) Receiver on											
Left cheek	20	QPSK 1_0	55990/3625	1:1.58	0.695	0.04	15.69	16.50	1.205	0.837	22.3
Left cheek	20	QPSK 1_0	55340/3560	1:1.58	0.654	0.09	15.48	16.50	1.265	0.827	22.3
Left cheek	20	QPSK 1_0	56640/3690	1:1.58	0.633	-0.13	15.39	16.50	1.291	0.817	22.3
Left tilted	20	QPSK 1_0	55990/3625	1:1.58	0.779	-0.06	15.69	16.50	1.205	0.939	22.3
Left tilted	20	QPSK 1_0	55340/3560	1:1.58	0.715	0.06	15.48	16.50	1.265	0.904	22.3
Left tilted	20	QPSK 1_0	56640/3690	1:1.58	0.721	0.12	15.39	16.50	1.291	0.931	22.3
Right cheek	20	QPSK 1_0	55990/3625	1:1.58	0.585	0.15	15.69	16.50	1.205	0.705	22.3
Right tilted	20	QPSK 1_0	55990/3625	1:1.58	0.623	-0.19	15.69	16.50	1.205	0.751	22.3
Head Test Data (50%RB) Receiver on											
Left cheek	20	QPSK 50_0	55990/3625	1:1.58	0.542	-0.11	15.50	16.50	1.259	0.682	22.3
Left tilted	20	QPSK 50_0	55990/3625	1:1.58	0.589	-0.13	15.50	16.50	1.259	0.742	22.3
Right cheek	20	QPSK 50_0	55990/3625	1:1.58	0.444	-0.02	15.50	16.50	1.259	0.559	22.3
Right tilted	20	QPSK 50_0	55990/3625	1:1.58	0.472	0.02	15.50	16.50	1.259	0.594	22.3
Head Test Data (100%RB) Receiver on											
Left cheek	20	QPSK 100_0	55990/3625	1:1.58	0.552	0.15	15.47	16.50	1.268	0.700	22.3
Left tilted	20	QPSK 100_0	55990/3625	1:1.58	0.619	0.12	15.47	16.50	1.268	0.785	22.3
Body worn Test data (Separate 10mm 1RB) sensor on											
Front side	20	QPSK 1_0	55990/3625	1:1.58	0.780	-0.02	22.56	23.50	1.242	0.969	22.3
Front side	20	QPSK 1_0	55340/3560	1:1.58	0.735	-0.16	22.32	23.50	1.312	0.964	22.3
Front side	20	QPSK 1_0	56640/3690	1:1.58	0.736	0.13	22.37	23.50	1.297	0.955	22.3
Back side	20	QPSK 1_0	55990/3625	1:1.58	0.206	-0.14	22.56	23.50	1.242	0.256	22.3
Body worn Test data (Separate 10mm 50%RB) sensor on											
Front side	20	QPSK 50_0	55990/3625	1:1.58	0.664	0.05	22.11	23.00	1.227	0.815	22.3
Front side	20	QPSK 50_0	55340/3560	1:1.58	0.611	0.01	21.92	23.00	1.282	0.783	22.3
Front side	20	QPSK 50_0	56640/3690	1:1.58	0.608	-0.05	21.84	23.00	1.306	0.794	22.3
Back side	20	QPSK 50_0	55990/3625	1:1.58	0.173	0.11	22.11	23.00	1.227	0.212	22.3
Body worn Test data (Separate 10mm 100%RB) sensor on											
Front side	20	QPSK 100_0	55990/3625	1:1.58	0.610	0.12	21.95	23.00	1.274	0.777	22.3
Body worn Test data (1RB) sensor off											
Front side-14mm	20	QPSK 1_0	55990/3625	1:1.58	0.700	0.02	22.97	24.00	1.268	0.888	22.3
Front side-14mm	20	QPSK 1_0	55340/3560	1:1.58	0.674	-0.03	22.77	24.00	1.327	0.894	22.3
Front side-14mm	20	QPSK 1_0	56640/3690	1:1.58	0.666	0.15	22.81	24.00	1.315	0.876	22.3
Back side-21mm	20	QPSK 1_0	55990/3625	1:1.58	0.196	0.07	22.97	24.00	1.268	0.249	22.3
Body worn Test data (50%RB) sensor off											
Front side-14mm	20	QPSK 50_0	55990/3625	1:1.58	0.688	0.14	22.02	23.00	1.253	0.862	22.3
Front side-14mm	20	QPSK 50_0	55340/3560	1:1.58	0.657	0.15	21.86	23.00	1.300	0.854	22.3
Front side-14mm	20	QPSK 50_0	56640/3690	1:1.58	0.649	-0.16	21.83	23.00	1.309	0.850	22.3
Back side-21mm	20	QPSK 50_0	55990/3625	1:1.58	0.211	0.14	22.02	23.00	1.253	0.264	22.3
Body worn Test data (100%RB) sensor off											
Front side-14mm	20	QPSK 100_0	55990/3625	1:1.58	0.688	-0.15	21.96	23.00	1.271	0.874	22.3
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	55990/3625	1:1.58	0.780	-0.02	22.56	23.50	1.242	0.969	22.3
Front side	20	QPSK 1_0	55340/3560	1:1.58	0.735	-0.16	22.32	23.50	1.312	0.964	22.3
Front side	20	QPSK 1_0	56640/3690	1:1.58	0.736	0.13	22.37	23.50	1.297	0.955	22.3

Back side	20	QPSK 1_0	55990/3625	1:1.58	0.206	-0.14	22.56	23.50	1.242	0.256	22.3
Right side	20	QPSK 1_0	55990/3625	1:1.58	0.115	-0.01	22.56	23.50	1.242	0.143	22.3
Top side	20	QPSK 1_0	55990/3625	1:1.58	0.538	-0.04	22.56	23.50	1.242	0.668	22.3
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	55990/3625	1:1.58	0.664	0.05	22.11	23.00	1.227	0.815	22.3
Front side	20	QPSK 50_0	55340/3560	1:1.58	0.611	0.01	21.92	23.00	1.282	0.783	22.3
Front side	20	QPSK 50_0	56640/3690	1:1.58	0.608	-0.05	21.84	23.00	1.306	0.794	22.3
Back side	20	QPSK 50_0	55990/3625	1:1.58	0.173	0.11	22.11	23.00	1.227	0.212	22.3
Right side	20	QPSK 50_0	55990/3625	1:1.58	0.096	0.05	22.11	23.00	1.227	0.118	22.3
Top side	20	QPSK 50_0	55990/3625	1:1.58	0.455	0.00	22.11	23.00	1.227	0.558	22.3
Hotspot Test data (Separate 10mm 100%RB)											
Front side	20	QPSK 100_0	55990/3625	1:1.58	0.610	0.12	21.95	23.00	1.274	0.777	22.3
Ant 7 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB)											
Left cheek	20	QPSK 1_0	55990/3625	1:1.58	0.121	-0.04	22.55	24.00	1.396	0.169	22.3
Left tilted	20	QPSK 1_0	55990/3625	1:1.58	0.149	0.13	22.55	24.00	1.396	0.208	22.3
Right cheek	20	QPSK 1_0	55990/3625	1:1.58	0.216	0.03	22.55	24.00	1.396	0.302	22.3
Right tilted	20	QPSK 1_0	55990/3625	1:1.58	0.098	0.16	22.55	24.00	1.396	0.137	22.3
Head Test Data (50%RB)											
Left cheek	20	QPSK 50_0	55990/3625	1:1.58	0.092	0.08	21.58	23.00	1.387	0.128	22.3
Left tilted	20	QPSK 50_0	55990/3625	1:1.58	0.115	0.12	21.58	23.00	1.387	0.160	22.3
Right cheek	20	QPSK 50_0	55990/3625	1:1.58	0.178	-0.01	21.58	23.00	1.387	0.247	22.3
Right tilted	20	QPSK 50_0	55990/3625	1:1.58	0.085	0.12	21.58	23.00	1.387	0.118	22.3
Body worn Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	55990/3625	1:1.58	0.308	0.15	22.55	24.00	1.396	0.430	22.3
Back side	20	QPSK 1_0	55990/3625	1:1.58	0.570	-0.16	22.55	24.00	1.396	0.796	22.3
Body worn Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	55990/3625	1:1.58	0.233	-0.06	21.58	23.00	1.387	0.323	22.3
Back side	20	QPSK 50_0	55990/3625	1:1.58	0.520	-0.15	21.58	23.00	1.387	0.721	22.3
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	55990/3625	1:1.58	0.308	0.15	22.55	24.00	1.396	0.430	22.3
Back side	20	QPSK 1_0	55990/3625	1:1.58	0.570	-0.16	22.55	24.00	1.396	0.796	22.3
Right side	20	QPSK 1_0	55990/3625	1:1.58	0.449	-0.08	22.55	24.00	1.396	0.627	22.3
Bottom side	20	QPSK 1_0	55990/3625	1:1.58	0.223	0.08	22.55	24.00	1.396	0.311	22.3
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	55990/3625	1:1.58	0.233	-0.06	21.58	23.00	1.387	0.323	22.3
Back side	20	QPSK 50_0	55990/3625	1:1.58	0.520	-0.15	21.58	23.00	1.387	0.721	22.3
Right side	20	QPSK 50_0	55990/3625	1:1.58	0.343	0.18	21.58	23.00	1.387	0.476	22.3
Bottom side	20	QPSK 50_0	55990/3625	1:1.58	0.166	0.01	21.58	23.00	1.387	0.230	22.3

8.3.13 SAR Result of LTE Band 66

LTE Band 66 SAR Test Record											
Ant 0 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB)											
Left cheek	20	QPSK 1_0	132322/1745	1:1	0.074	-0.05	23.09	24.00	1.233	0.091	22.6
Left tilted	20	QPSK 1_0	132322/1745	1:1	0.055	0.15	23.09	24.00	1.233	0.068	22.6
Right cheek	20	QPSK 1_0	132322/1745	1:1	0.112	-0.08	23.09	24.00	1.233	0.138	22.6
Right tilted	20	QPSK 1_0	132322/1745	1:1	0.059	0.06	23.09	24.00	1.233	0.073	22.6
Right cheek-CA_66C	20	QPSK PCC 1_99	132322/1745	1:1	0.107	-0.07	23.01	24.00	1.256	0.134	22.6
		QPSK SCC 1_0	132520/1764.8								
Right cheek-CA_66B	20	QPSK PCC 1_0	132322/1745	1:1	0.100	0.06	23.00	24.00	1.259	0.126	22.6
		QPSK SCC 1_24	132229/1735.7								
Head Test Data (50%RB)											
Left cheek	20	QPSK 50_0	132322/1745	1:1	0.061	-0.01	22.06	23.00	1.242	0.076	22.6
Left tilted	20	QPSK 50_0	132322/1745	1:1	0.047	0.04	22.06	23.00	1.242	0.058	22.6
Right cheek	20	QPSK 50_0	132322/1745	1:1	0.117	0.11	22.06	23.00	1.242	0.145	22.6
Right tilted	20	QPSK 50_0	132322/1745	1:1	0.053	-0.16	22.06	23.00	1.242	0.066	22.6
Body worn Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	132322/1745	1:1	0.477	0.18	23.09	24.00	1.233	0.588	22.6
Back side	20	QPSK 1_0	132322/1745	1:1	0.837	0.01	23.09	24.00	1.233	1.032	22.6
Back side-repeated sar	20	QPSK 1_0	132322/1745	1:1	0.826	0.15	23.09	24.00	1.233	1.018	22.6
Back side	20	QPSK 1_0	132072/1720	1:1	0.810	-0.14	23.07	24.00	1.239	1.004	22.6
Back side	20	QPSK 1_0	132572/1770	1:1	0.793	-0.18	23.05	24.00	1.245	0.987	22.6
Back side-CA_66C	20	QPSK PCC 1_99	132322/1745	1:1	0.794	-0.15	23.01	24.00	1.256	0.997	22.6
		QPSK SCC 1_0	132520/1764.8								
Back side-CA_66B	20	QPSK PCC 1_0	132322/1745	1:1	0.788	0.06	23.00	24.00	1.259	0.992	22.6
		QPSK SCC 1_24	132229/1735.7								
Body worn Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	132322/1745	1:1	0.425	-0.12	22.06	23.00	1.242	0.528	22.6
Back side	20	QPSK 50_0	132322/1745	1:1	0.707	0.00	22.06	23.00	1.242	0.878	22.6
Back side	20	QPSK 50_0	132072/1720	1:1	0.725	0.04	22.04	23.00	1.247	0.904	22.6
Back side	20	QPSK 50_0	132572/1770	1:1	0.734	0.15	22.02	23.00	1.253	0.920	22.6
Body worn Test data (Separate 10mm 100%RB)											
Back side	20	QPSK 100_0	132322/1745	1:1	0.712	-0.04	22.03	23.00	1.250	0.890	22.6
Body worn Evaluate data (Separate 10mm 1RB) for Simultaneous ULCA&ENDC											
Front side	20	QPSK 1_0	132322/1745	1:1	0.477	0.18	23.09	21.00	0.618	0.295	22.6
Back side	20	QPSK 1_0	132322/1745	1:1	0.837	0.01	23.09	21.00	0.618	0.517	22.6
Body worn Evaluate data (Separate 10mm 50%RB) for Simultaneous ULCA&ENDC											
Front side	20	QPSK 50_0	132322/1745	1:1	0.425	-0.12	22.06	21.00	0.783	0.333	22.6
Back side	20	QPSK 50_0	132322/1745	1:1	0.707	0.00	22.06	21.00	0.783	0.554	22.6
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	132322/1745	1:1	0.311	0.02	21.66	22.50	1.213	0.377	22.6
Back side	20	QPSK 1_0	132322/1745	1:1	0.522	-0.01	21.66	22.50	1.213	0.633	22.6
Left side	20	QPSK 1_0	132322/1745	1:1	0.079	0.07	21.66	22.50	1.213	0.096	22.6
Right side	20	QPSK 1_0	132322/1745	1:1	0.175	-0.09	21.66	22.50	1.213	0.212	22.6
Bottom side	20	QPSK 1_0	132322/1745	1:1	0.841	0.02	21.66	22.50	1.213	1.020	22.6
Bottom side-repeated sar	20	QPSK 1_0	132322/1745	1:1	0.827	-0.19	21.66	22.50	1.213	1.003	22.6

Bottom side	20	QPSK 1_0	132072/1720	1:1	0.810	0.07	21.65	22.50	1.216	0.985	22.6
Bottom side	20	QPSK 1_0	132572/1770	1:1	0.806	0.08	21.60	22.50	1.230	0.991	22.6
Bottom side-CA_66C	20	QPSK PCC 1_99	132322/1745	1:1	0.788	0.19	21.53	22.50	1.250	0.985	22.6
		QPSK SCC 1_0	132520/1764.8								
Bottom side-CA_66B	20	QPSK PCC 1_0	132322/1745	1:1	0.763	0.09	21.50	22.50	1.259	0.961	22.6
		QPSK SCC 1_24	132229/1735.7								
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	132322/1745	1:1	0.382	0.03	21.58	22.50	1.236	0.472	22.6
Back side	20	QPSK 50_0	132322/1745	1:1	0.456	-0.05	21.58	22.50	1.236	0.564	22.6
Left side	20	QPSK 50_0	132322/1745	1:1	0.071	-0.18	21.58	22.50	1.236	0.088	22.6
Right side	20	QPSK 50_0	132322/1745	1:1	0.114	-0.19	21.58	22.50	1.236	0.141	22.6
Bottom side	20	QPSK 50_0	132322/1745	1:1	0.769	0.03	21.58	22.50	1.236	0.950	22.6
Bottom side	20	QPSK 50_0	132072/1720	1:1	0.754	-0.12	21.52	22.50	1.253	0.945	22.6
Bottom side	20	QPSK 50_0	132572/1770	1:1	0.731	0.00	21.54	22.50	1.247	0.912	22.6
Hotspot Test data (Separate 10mm 100%RB)											
Bottom side	20	QPSK 100_0	132322/1745	1:1	0.698	-0.08	21.53	22.50	1.250	0.873	22.6
Hotspot Evaluate data (Separate 10mm 1RB) for Hotspot on Simultaneous ULCA&ENDC											
Front side	20	QPSK 1_0	132322/1745	1:1	0.311	0.02	21.66	19.50	0.608	0.189	22.6
Back side	20	QPSK 1_0	132322/1745	1:1	0.522	-0.01	21.66	19.50	0.608	0.317	22.6
Left side	20	QPSK 1_0	132322/1745	1:1	0.079	0.07	21.66	19.50	0.608	0.048	22.6
Right side	20	QPSK 1_0	132322/1745	1:1	0.175	-0.09	21.66	19.50	0.608	0.106	22.6
Bottom side	20	QPSK 1_0	132322/1745	1:1	0.841	0.02	21.66	19.50	0.608	0.511	22.6
Hotspot Evaluate data (Separate 10mm 50%RB) for Hotspot on Simultaneous ULCA&ENDC											
Front side	20	QPSK 50_0	132322/1745	1:1	0.382	0.03	21.58	19.50	0.619	0.236	22.6
Back side	20	QPSK 50_0	132322/1745	1:1	0.456	-0.05	21.58	19.50	0.619	0.282	22.6
Left side	20	QPSK 50_0	132322/1745	1:1	0.071	-0.18	21.58	19.50	0.619	0.044	22.6
Right side	20	QPSK 50_0	132322/1745	1:1	0.114	-0.19	21.58	19.50	0.619	0.071	22.6
Bottom side	20	QPSK 50_0	132322/1745	1:1	0.769	0.03	21.58	19.50	0.619	0.476	22.6
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)10-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled 10-g SAR(W/kg)	Liquid Temp.
Product specific 10g SAR Test data(0mm) (Separate 0mm 1RB)											
Bottom side	20	QPSK 1_0	132322/1745	1:1	2.460	-0.06	23.09	24.00	1.233	3.033	22.6
Bottom side-repeated sar	20	QPSK 1_0	132322/1745	1:1	2.380	0.13	23.09	24.00	1.233	2.935	22.6
Bottom side	20	QPSK 1_0	132072/1720	1:1	2.360	-0.11	23.07	24.00	1.239	2.924	22.6
Bottom side	20	QPSK 1_0	132572/1770	1:1	2.110	-0.06	23.05	24.00	1.245	2.627	22.6
Bottom side-B66C	20	QPSK PCC 1_99	132322/1745	1:1	2.33	0.05	23.01	24.00	1.256	2.926	22.6
		QPSK SCC 1_0	132520/1764.8								
Bottom side-B66B	20	QPSK PCC 1_0	132322/1745	1:1	2.40	-0.09	23.00	24.00	1.259	3.022	22.6
		QPSK SCC 1_24	132229/1735.7								
Product specific 10g SAR Test data(0mm) (Separate 0mm 50%RB)											
Bottom side	20	QPSK 50_0	132322/1745	1:1	2.220	-0.08	22.06	23.00	1.242	2.757	22.6
Bottom side	20	QPSK 50_0	132072/1720	1:1	2.090	-0.09	22.04	23.00	1.247	2.606	22.6
Bottom side	20	QPSK 50_0	132572/1770	1:1	2.080	0.08	22.02	23.00	1.253	2.606	22.6
Product specific 10g SAR Test data(0mm) (Separate 0mm 100%RB)											
Bottom side	20	QPSK 100_0	132322/1745	1:1	2.110	0.19	22.03	23.00	1.250	2.638	22.6
Ant 1 Test Record											
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) Receiver on											
Left cheek	20	QPSK 1_0	132322/1745	1:1	0.628	0.18	22.70	23.00	1.072	0.673	22.6

Left tilted	20	QPSK 1_0	132322/1745	1:1	0.657	0.07	22.70	23.00	1.072	0.704	22.6
Right cheek	20	QPSK 1_0	132322/1745	1:1	1.000	-0.04	22.70	23.00	1.072	1.072	22.6
Right cheek-repeated sar	20	QPSK 1_0	132322/1745	1:1	0.966	0.19	22.70	23.00	1.072	1.036	22.6
Right cheek	20	QPSK 1_0	132072/1720	1:1	0.944	-0.01	22.47	23.00	1.130	1.067	22.6
Right cheek	20	QPSK 1_0	132572/1770	1:1	0.941	0.00	22.52	23.00	1.117	1.051	22.6
Right tilted	20	QPSK 1_0	132322/1745	1:1	0.867	0.03	22.70	23.00	1.072	0.929	22.6
Right tilted	20	QPSK 1_0	132072/1720	1:1	0.825	-0.06	22.47	23.00	1.130	0.932	22.6
Right tilted	20	QPSK 1_0	132572/1770	1:1	0.823	-0.16	22.52	23.00	1.117	0.919	22.6
Head Test Data (50%RB) Receiver on											
Left cheek	20	QPSK 50_0	132322/1745	1:1	0.584	0.05	22.55	23.00	1.109	0.648	22.6
Left tilted	20	QPSK 50_0	132322/1745	1:1	0.604	0.12	22.55	23.00	1.109	0.670	22.6
Right cheek	20	QPSK 50_0	132322/1745	1:1	0.895	-0.11	22.55	23.00	1.109	0.993	22.6
Right cheek	20	QPSK 50_0	132072/1720	1:1	0.860	0.03	22.38	23.00	1.153	0.992	22.6
Right cheek	20	QPSK 50_0	132572/1770	1:1	0.866	-0.15	22.40	23.00	1.148	0.994	22.6
Right tilted	20	QPSK 50_0	132322/1745	1:1	0.815	-0.18	22.55	23.00	1.109	0.904	22.6
Right tilted	20	QPSK 50_0	132072/1720	1:1	0.774	-0.18	22.38	23.00	1.153	0.892	22.6
Right tilted	20	QPSK 50_0	132572/1770	1:1	0.783	0.02	22.40	23.00	1.148	0.899	22.6
Head Test Data (100%RB) Receiver on											
Right cheek	20	QPSK 100_0	132322/1745	1:1	0.791	-0.09	22.50	23.00	1.122	0.888	22.6
Right tilted	20	QPSK 100_0	132322/1745	1:1	0.720	0.11	22.50	23.00	1.122	0.808	22.6
Body worn Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	132322/1745	1:1	0.296	-0.11	23.56	24.00	1.107	0.328	22.6
Back side	20	QPSK 1_0	132322/1745	1:1	0.454	0.09	23.56	24.00	1.107	0.503	22.6
Body worn Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	132322/1745	1:1	0.248	0.17	22.56	23.00	1.107	0.275	22.6
Back side	20	QPSK 50_0	132322/1745	1:1	0.376	-0.19	22.56	23.00	1.107	0.416	22.6
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	132322/1745	1:1	0.296	-0.11	23.56	24.00	1.107	0.328	22.6
Back side	20	QPSK 1_0	132322/1745	1:1	0.454	0.09	23.56	24.00	1.107	0.503	22.6
Left side	20	QPSK 1_0	132322/1745	1:1	0.102	-0.02	23.56	24.00	1.107	0.113	22.6
Top side	20	QPSK 1_0	132322/1745	1:1	0.222	0.05	23.56	24.00	1.107	0.246	22.6
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	132322/1745	1:1	0.248	0.17	22.56	23.00	1.107	0.275	22.6
Back side	20	QPSK 50_0	132322/1745	1:1	0.376	-0.19	22.56	23.00	1.107	0.416	22.6
Left side	20	QPSK 50_0	132322/1745	1:1	0.090	-0.06	22.56	23.00	1.107	0.100	22.6
Top side	20	QPSK 50_0	132322/1745	1:1	0.184	-0.14	22.56	23.00	1.107	0.204	22.6

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	132322/1745	1.000	0.966	1.035	N/A	N/A
Back side 10mm	132322/1745	0.837	0.826	1.013	N/A	N/A
Bottom side 10mm	132322/1745	0.841	0.827	1.017	N/A	N/A
Bottom side 0mm	132322/1745	2.460	2.380	1.034	N/A	N/A

Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.

2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).

3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg

5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.

8.3.14 SAR Result of LTE Band 71

LTE Band 71 SAR Test Record											
Ant 0 Test Record											
Test position	BW	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB)											
Left cheek	20	QPSK 1_0	133322/683	1:1	0.000	-0.13	23.31	24.00	1.172	0.000	22.5
Left tilted	20	QPSK 1_0	133322/683	1:1	0.000	-0.15	23.31	24.00	1.172	0.000	22.5
Right cheek	20	QPSK 1_0	133322/683	1:1	0.030	0.02	23.31	24.00	1.172	0.035	22.5
Right tilted	20	QPSK 1_0	133322/683	1:1	0.000	-0.06	23.31	24.00	1.172	0.000	22.5
Head Test Data (50%RB)											
Left cheek	20	QPSK 50_0	133322/683	1:1	0.000	0.11	22.33	23.00	1.167	0.000	22.5
Left tilted	20	QPSK 50_0	133322/683	1:1	0.000	-0.19	22.33	23.00	1.167	0.000	22.5
Right cheek	20	QPSK 50_0	133322/683	1:1	0.000	0.00	22.33	23.00	1.167	0.000	22.5
Right tilted	20	QPSK 50_0	133322/683	1:1	0.000	-0.18	22.33	23.00	1.167	0.000	22.5
Body worn Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	133322/683	1:1	0.000	0.07	23.31	24.00	1.172	0.000	22.5
Back side	20	QPSK 1_0	133322/683	1:1	0.054	0.17	23.31	24.00	1.172	0.063	22.5
Body worn Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	133322/683	1:1	0.000	0.17	22.33	23.00	1.167	0.000	22.5
Back side	20	QPSK 50_0	133322/683	1:1	0.049	0.18	22.33	23.00	1.167	0.057	22.5
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_0	133322/683	1:1	0.000	0.07	23.31	24.00	1.172	0.000	22.5
Back side	20	QPSK 1_0	133322/683	1:1	0.054	0.17	23.31	24.00	1.172	0.063	22.5
Left side	20	QPSK 1_0	133322/683	1:1	0.041	0.02	23.31	24.00	1.172	0.048	22.5
Right side	20	QPSK 1_0	133322/683	1:1	0.052	0.16	23.31	24.00	1.172	0.061	22.5
Bottom side	20	QPSK 1_0	133322/683	1:1	0.000	-0.09	23.31	24.00	1.172	0.000	22.5
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_0	133322/683	1:1	0.000	0.17	22.33	23.00	1.167	0.000	22.5
Back side	20	QPSK 50_0	133322/683	1:1	0.049	0.18	22.33	23.00	1.167	0.057	22.5
Left side	20	QPSK 50_0	133322/683	1:1	0.000	0.19	22.33	23.00	1.167	0.000	22.5
Right side	20	QPSK 50_0	133322/683	1:1	0.047	0.14	22.33	23.00	1.167	0.055	22.5
Bottom side	20	QPSK 50_0	133322/683	1:1	0.000	-0.08	22.33	23.00	1.167	0.000	22.5

8.3.15 SAR Result of NR Band n5

SA N5 SAR Test Record											
Ant0 Test Record											
Test position	BW	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB)											
Left cheek	20	QPSK 1_1	167300/836.5	100%	0.098	0.03	22.52	24.00	1.406	0.138	22.7
Left tilted	20	QPSK 1_1	167300/836.5	100%	0.065	-0.01	22.52	24.00	1.406	0.091	22.7
Right cheek	20	QPSK 1_1	167300/836.5	100%	0.104	0.02	22.52	24.00	1.406	0.146	22.7
Right tilted	20	QPSK 1_1	167300/836.5	100%	0.064	0.01	22.52	24.00	1.406	0.090	22.7
Head Test Data (50%RB)											
Left cheek	20	QPSK 50_28	167300/836.5	100%	0.085	-0.09	22.40	24.00	1.445	0.123	22.7
Left tilted	20	QPSK 50_28	167300/836.5	100%	0.054	0.07	22.40	24.00	1.445	0.078	22.7
Right cheek	20	QPSK 50_28	167300/836.5	100%	0.099	0.05	22.40	24.00	1.445	0.143	22.7
Right tilted	20	QPSK 50_28	167300/836.5	100%	0.052	0.17	22.40	24.00	1.445	0.075	22.7
Body worn Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_1	167300/836.5	100%	0.154	-0.10	22.52	24.00	1.406	0.217	22.7
Back side	20	QPSK 1_1	167300/836.5	100%	0.226	-0.02	22.52	24.00	1.406	0.318	22.7
Body worn Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	167300/836.5	100%	0.183	0.10	22.40	24.00	1.445	0.264	22.7
Back side	20	QPSK 50_28	167300/836.5	100%	0.311	-0.18	22.40	24.00	1.445	0.449	22.7
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_1	167300/836.5	100%	0.154	-0.10	22.52	24.00	1.406	0.217	22.7
Back side	20	QPSK 1_1	167300/836.5	100%	0.226	-0.02	22.52	24.00	1.406	0.318	22.7
Left side	20	QPSK 1_1	167300/836.5	100%	0.074	-0.18	22.52	24.00	1.406	0.104	22.7
Right side	20	QPSK 1_1	167300/836.5	100%	0.094	-0.08	22.52	24.00	1.406	0.132	22.7
Bottom side	20	QPSK 1_1	167300/836.5	100%	0.131	-0.19	22.52	24.00	1.406	0.184	22.7
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	167300/836.5	100%	0.183	0.10	22.40	24.00	1.445	0.264	22.7
Back side	20	QPSK 50_28	167300/836.5	100%	0.311	-0.18	22.40	24.00	1.445	0.449	22.7
Left side	20	QPSK 50_28	167300/836.5	100%	0.083	-0.18	22.40	24.00	1.445	0.120	22.7
Right side	20	QPSK 50_28	167300/836.5	100%	0.113	-0.11	22.40	24.00	1.445	0.163	22.7
Bottom side	20	QPSK 50_28	167300/836.5	100%	0.151	-0.07	22.40	24.00	1.445	0.218	22.7

8.3.16 SAR Result of NR Band n7

SA N7 SAR Test Record											
Ant5 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) Receiver on											
Left cheek	20	QPSK 1_1	507000/2535	100%	0.438	-0.14	20.71	21.50	1.199	0.525	22.4
Left tilted	20	QPSK 1_1	507000/2535	100%	0.444	-0.17	20.71	21.50	1.199	0.532	22.4
Right cheek	20	QPSK 1_1	507000/2535	100%	0.932	0.07	20.71	21.50	1.199	1.117	22.4
Right cheek-repeated sar	20	QPSK 1_1	507000/2535	100%	0.926	0.08	20.71	21.50	1.199	1.110	22.4
Right cheek	20	QPSK 1_1	502000/2510	100%	0.887	0.07	20.58	21.50	1.236	1.096	22.4
Right cheek	20	QPSK 1_1	512000/2560	100%	0.840	0.07	20.51	21.50	1.256	1.055	22.4
Right tilted	20	QPSK 1_1	507000/2535	100%	0.647	-0.03	20.71	21.50	1.199	0.776	22.4
Head Test Data (50%RB) Receiver on											
Left cheek	20	QPSK 50_28	507000/2535	100%	0.444	-0.05	20.55	21.50	1.245	0.553	22.4
Left tilted	20	QPSK 50_28	507000/2535	100%	0.438	-0.14	20.55	21.50	1.245	0.545	22.4
Right cheek	20	QPSK 50_28	507000/2535	100%	0.894	-0.02	20.55	21.50	1.245	1.113	22.4
Right cheek	20	QPSK 50_28	502000/2510	100%	0.841	0.07	20.51	21.50	1.256	1.056	22.4
Right cheek	20	QPSK 50_28	512000/2560	100%	0.836	0.05	20.53	21.50	1.250	1.045	22.4
Right tilted	20	QPSK 50_28	507000/2535	100%	0.635	-0.11	20.55	21.50	1.245	0.791	22.4
Head Test Data (100%RB) Receiver on											
Right cheek	20	QPSK 100_0	507000/2535	100%	0.769	-0.15	19.50	20.50	1.259	0.968	22.4
Body worn Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_1	507000/2535	100%	0.351	-0.19	23.15	24.00	1.216	0.427	22.4
Back side	20	QPSK 1_1	507000/2535	100%	0.736	-0.03	23.15	24.00	1.216	0.895	22.4
Back side	20	QPSK 1_1	502000/2510	100%	0.700	0.05	23.04	24.00	1.247	0.873	22.4
Back side	20	QPSK 1_1	512000/2560	100%	0.696	0.09	23.05	24.00	1.245	0.867	22.4
Body worn Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	507000/2535	100%	0.340	0.11	23.01	24.00	1.256	0.427	22.4
Back side	20	QPSK 50_28	507000/2535	100%	0.649	0.14	23.01	24.00	1.256	0.815	22.4
Back side	20	QPSK 50_28	502000/2510	100%	0.600	0.01	22.98	24.00	1.265	0.759	22.4
Back side	20	QPSK 50_28	512000/2560	100%	0.598	0.08	22.89	24.00	1.291	0.772	22.4
Body worn Test data (Separate 10mm 100%RB)											
Back side	20	QPSK 100_0	507000/2535	100%	0.525	0.01	22.02	23.00	1.253	0.658	22.4
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_1	507000/2535	100%	0.351	-0.19	23.15	24.00	1.216	0.427	22.4
Back side	20	QPSK 1_1	507000/2535	100%	0.736	-0.03	23.15	24.00	1.216	0.895	22.4
Back side	20	QPSK 1_1	502000/2510	100%	0.700	0.05	23.04	24.00	1.247	0.873	22.4
Back side	20	QPSK 1_1	512000/2560	100%	0.696	0.09	23.05	24.00	1.245	0.867	22.4
Left side	20	QPSK 1_1	507000/2535	100%	0.161	0.12	23.15	24.00	1.216	0.196	22.4
Top side	20	QPSK 1_1	507000/2535	100%	0.295	0.04	23.15	24.00	1.216	0.359	22.4
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	507000/2535	100%	0.340	0.11	23.01	24.00	1.256	0.427	22.4
Back side	20	QPSK 50_28	507000/2535	100%	0.649	0.14	23.01	24.00	1.256	0.815	22.4
Back side	20	QPSK 50_28	502000/2510	100%	0.600	0.01	22.98	24.00	1.265	0.759	22.4
Back side	20	QPSK 50_28	512000/2560	100%	0.598	0.08	22.89	24.00	1.291	0.772	22.4
Left side	20	QPSK 50_28	507000/2535	100%	0.146	0.14	23.01	24.00	1.256	0.183	22.4
Top side	20	QPSK 50_28	507000/2535	100%	0.279	-0.14	23.01	24.00	1.256	0.350	22.4
Body worn Test data (Separate 10mm 100%RB)											
Back side	20	QPSK 100_0	507000/2535	100%	0.525	0.01	22.02	23.00	1.253	0.658	22.4

Ant4 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB)											
Left cheek	20	QPSK 1_1	507000/2535	100%	0.034	0.04	23.41	24.00	1.146	0.039	22.4
Left tilted	20	QPSK 1_1	507000/2535	100%	0.031	0.18	23.41	24.00	1.146	0.036	22.4
Right cheek	20	QPSK 1_1	507000/2535	100%	0.000	0.01	23.41	24.00	1.146	0.000	22.4
Right tilted	20	QPSK 1_1	507000/2535	100%	0.000	0.06	23.41	24.00	1.146	0.000	22.4
Head Test Data (50%RB)											
Left cheek	20	QPSK 50_28	507000/2535	100%	0.000	-0.04	23.34	24.00	1.164	0.000	22.4
Left tilted	20	QPSK 50_28	507000/2535	100%	0.000	-0.17	23.34	24.00	1.164	0.000	22.4
Right cheek	20	QPSK 50_28	507000/2535	100%	0.000	-0.14	23.34	24.00	1.164	0.000	22.4
Right tilted	20	QPSK 50_28	507000/2535	100%	0.000	0.10	23.34	24.00	1.164	0.000	22.4
Body worn Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_1	507000/2535	100%	0.096	-0.01	23.41	24.00	1.146	0.110	22.4
Back side	20	QPSK 1_1	507000/2535	100%	0.134	0.12	23.41	24.00	1.146	0.154	22.4
Body worn Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	507000/2535	100%	0.100	0.06	23.34	24.00	1.164	0.116	22.4
Back side	20	QPSK 50_28	507000/2535	100%	0.121	-0.08	23.34	24.00	1.164	0.141	22.4
Hotspot Test data (Separate 10mm 1RB)											
Front side	20	QPSK 1_1	507000/2535	100%	0.096	-0.01	23.41	24.00	1.146	0.110	22.4
Back side	20	QPSK 1_1	507000/2535	100%	0.134	0.12	23.41	24.00	1.146	0.154	22.4
Left side	20	QPSK 1_1	507000/2535	100%	0.132	0.15	23.41	24.00	1.146	0.151	22.4
Bottom side	20	QPSK 1_1	507000/2535	100%	0.062	0.04	23.41	24.00	1.146	0.071	22.4
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50_28	507000/2535	100%	0.100	0.06	23.34	24.00	1.164	0.116	22.4
Back side	20	QPSK 50_28	507000/2535	100%	0.121	-0.08	23.34	24.00	1.164	0.141	22.4
Left side	20	QPSK 50_28	507000/2535	100%	0.101	0.10	23.34	24.00	1.164	0.118	22.4
Bottom side	20	QPSK 50_28	507000/2535	100%	0.053	0.10	23.34	24.00	1.164	0.062	22.4

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Right cheek	507000/2535	0.932	0.926	1.006	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).						
3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						
5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.						

8.3.17 SAR Result of NR Band n14

SA N14 SAR Test Record											
Ant0 Test Record											
Test position	BW	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB)											
Left cheek	10	QPSK 1_1	158600/793	100%	0.042	-0.16	23.17	24.00	1.211	0.051	22.5
Left tilted	10	QPSK 1_1	158600/793	100%	0.000	0.02	23.17	24.00	1.211	0.000	22.5
Right cheek	10	QPSK 1_1	158600/793	100%	0.049	0.09	23.17	24.00	1.211	0.059	22.5
Right tilted	10	QPSK 1_1	158600/793	100%	0.000	0.05	23.17	24.00	1.211	0.000	22.5
Head Test Data (50%RB)											
Left cheek	10	QPSK 25_14	158600/793	100%	0.000	-0.19	23.07	24.00	1.239	0.000	22.5
Left tilted	10	QPSK 25_14	158600/793	100%	0.000	-0.15	23.07	24.00	1.239	0.000	22.5
Right cheek	10	QPSK 25_14	158600/793	100%	0.042	-0.08	23.07	24.00	1.239	0.052	22.5
Right tilted	10	QPSK 25_14	158600/793	100%	0.000	0.11	23.07	24.00	1.239	0.000	22.5
Body worn Test data (Separate 10mm 1RB)											
Front side	10	QPSK 1_1	158600/793	100%	0.057	-0.09	23.17	24.00	1.211	0.069	22.5
Back side	10	QPSK 1_1	158600/793	100%	0.124	0.08	23.17	24.00	1.211	0.150	22.5
Body worn Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25_14	158600/793	100%	0.054	0.07	23.07	24.00	1.239	0.067	22.5
Back side	10	QPSK 25_14	158600/793	100%	0.098	-0.11	23.07	24.00	1.239	0.121	22.5
Hotspot Test data (Separate 10mm 1RB)											
Front side	10	QPSK 1_1	158600/793	100%	0.057	-0.09	23.17	24.00	1.211	0.069	22.5
Back side	10	QPSK 1_1	158600/793	100%	0.124	0.08	23.17	24.00	1.211	0.150	22.5
Left side	10	QPSK 1_1	158600/793	100%	0.000	-0.18	23.17	24.00	1.211	0.000	22.5
Right side	10	QPSK 1_1	158600/793	100%	0.061	0.09	23.17	24.00	1.211	0.074	22.5
Bottom side	10	QPSK 1_1	158600/793	100%	0.079	0.16	23.17	24.00	1.211	0.096	22.5
Hotspot Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25_14	158600/793	100%	0.054	0.07	23.07	24.00	1.239	0.067	22.5
Back side	10	QPSK 25_14	158600/793	100%	0.098	-0.11	23.07	24.00	1.239	0.121	22.5
Left side	10	QPSK 25_14	158600/793	100%	0.000	-0.11	23.07	24.00	1.239	0.000	22.5
Right side	10	QPSK 25_14	158600/793	100%	0.050	0.01	23.07	24.00	1.239	0.062	22.5
Bottom side	10	QPSK 25_14	158600/793	100%	0.077	0.04	23.07	24.00	1.239	0.095	22.5

8.3.18 SAR Result of NR Band n25

SA N25 SAR Test Record											
Ant0 Test Record											
Test position	BW	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB)											
Left cheek	30	QPSK 1_1	376500/1882.5	100%	0.075	0.11	23.01	24.00	1.256	0.094	22.8
Left tilted	30	QPSK 1_1	376500/1882.5	100%	0.073	0.09	23.01	24.00	1.256	0.092	22.8
Right cheek	30	QPSK 1_1	376500/1882.5	100%	0.078	0.13	23.01	24.00	1.256	0.098	22.8
Right tilted	30	QPSK 1_1	376500/1882.5	100%	0.040	0.14	23.01	24.00	1.256	0.050	22.8
Head Test Data (50%RB)											
Left cheek	30	QPSK 75_36	376500/1882.5	100%	0.070	0.09	22.94	24.00	1.276	0.089	22.8
Left tilted	30	QPSK 75_36	376500/1882.5	100%	0.072	-0.08	22.94	24.00	1.276	0.092	22.8
Right cheek	30	QPSK 75_36	376500/1882.5	100%	0.075	0.07	22.94	24.00	1.276	0.096	22.8
Right tilted	30	QPSK 75_36	376500/1882.5	100%	0.036	0.05	22.94	24.00	1.276	0.046	22.8
Body worn Test data (Separate 10mm 1RB) sensor on											
Front side	30	QPSK 1_1	376500/1882.5	100%	0.611	0.01	22.02	23.00	1.253	0.766	22.8
Back side	30	QPSK 1_1	376500/1882.5	100%	0.781	-0.03	22.02	23.00	1.253	0.979	22.8
Body worn Test data (Separate 10mm 50%RB) sensor on											
Front side	30	QPSK 75_36	376500/1882.5	100%	0.548	-0.05	22.00	23.00	1.259	0.690	22.8
Back side	30	QPSK 75_36	376500/1882.5	100%	0.679	0.09	22.00	23.00	1.259	0.855	22.8
Body worn Test data (Separate 10mm 100%RB) sensor on											
Back side	30	QPSK 150_0	376500/1882.5	100%	0.526	-0.04	20.88	22.00	1.294	0.681	22.8
Body worn Test data (1RB) sensor off											
Front side-14mm	30	QPSK 1_1	376500/1882.5	100%	0.451	0.07	23.01	24.00	1.256	0.566	22.8
Back side-21mm	30	QPSK 1_1	376500/1882.5	100%	0.270	-0.08	23.01	24.00	1.256	0.339	22.8
Body worn Test data (50%RB) sensor off											
Front side-14mm	30	QPSK 75_36	376500/1882.5	100%	0.294	-0.02	22.94	24.00	1.276	0.375	22.8
Back side-21mm	30	QPSK 75_36	376500/1882.5	100%	0.181	-0.10	22.94	24.00	1.276	0.231	22.8
Body worn Evaluate data (Separate 10mm 1RB) sensor on for Simultaneous ULCA&ENDC											
Front side	30	QPSK 1_1	376500/1882.5	100%	0.611	0.01	22.02	20.00	0.628	0.384	22.8
Back side	30	QPSK 1_1	376500/1882.5	100%	0.781	-0.03	22.02	20.00	0.628	0.490	22.8
Body worn Evaluate data (Separate 10mm 50%RB) sensor on for Simultaneous ULCA&ENDC											
Front side	30	QPSK 75_36	376500/1882.5	100%	0.548	-0.05	22.00	20.00	0.631	0.346	22.8
Back side	30	QPSK 75_36	376500/1882.5	100%	0.679	0.09	22.00	20.00	0.631	0.428	22.8
Body worn Evaluate data (Separate 10mm 100%RB) sensor on for Simultaneous ULCA&ENDC											
Back side	30	QPSK 150_0	376500/1882.5	100%	0.526	-0.04	20.88	20.00	0.817	0.430	22.8
Body worn Evaluate data (1RB) sensor off for Simultaneous ULCA&ENDC											
Front side-14mm	30	QPSK 1_1	376500/1882.5	100%	0.451	0.07	23.01	20.00	0.500	0.226	22.8
Back side-21mm	30	QPSK 1_1	376500/1882.5	100%	0.270	-0.08	23.01	20.00	0.500	0.135	22.8
Body worn Evaluate data (50%RB) sensor off for Simultaneous ULCA&ENDC											
Front side-14mm	30	QPSK 75_36	376500/1882.5	100%	0.294	-0.02	22.94	20.00	0.508	0.149	22.8
Back side-21mm	30	QPSK 75_36	376500/1882.5	100%	0.181	-0.10	22.94	20.00	0.508	0.092	22.8
Hotspot Test data (Separate 10mm 1RB) Hotspot on											
Front side	30	QPSK 1_1	376500/1882.5	100%	0.525	-0.03	21.05	22.00	1.245	0.654	22.8
Back side	30	QPSK 1_1	376500/1882.5	100%	0.626	0.01	21.05	22.00	1.245	0.779	22.8
Left side	30	QPSK 1_1	376500/1882.5	100%	0.094	-0.13	21.05	22.00	1.245	0.117	22.8
Right side	30	QPSK 1_1	376500/1882.5	100%	0.075	0.07	21.05	22.00	1.245	0.093	22.8
Bottom side	30	QPSK 1_1	376500/1882.5	100%	0.942	0.01	21.05	22.00	1.245	1.173	22.8
Bottom side-repeated sar	30	QPSK 1_1	376500/1882.5	100%	0.926	0.03	21.05	22.00	1.245	1.153	22.8

Hotspot Test data (Separate 10mm 50%RB) Hotspot on											
Front side	30	QPSK 75_36	376500/1882.5	100%	0.397	-0.08	20.93	22.00	1.279	0.508	22.8
Back side	30	QPSK 75_36	376500/1882.5	100%	0.492	-0.13	20.93	22.00	1.279	0.629	22.8
Left side	30	QPSK 75_36	376500/1882.5	100%	0.064	0.11	20.93	22.00	1.279	0.082	22.8
Right side	30	QPSK 75_36	376500/1882.5	100%	0.051	-0.13	20.93	22.00	1.279	0.065	22.8
Bottom side	30	QPSK 75_36	376500/1882.5	100%	0.754	-0.06	20.93	22.00	1.279	0.964	22.8
Hotspot Test data (Separate 10mm 100%RB) Hotspot on											
Bottom side	30	QPSK 150_0	376500/1882.5	100%	0.674	-0.11	19.94	21.00	1.276	0.860	22.8
Hotspot Evaluate data (Separate 10mm 1RB) for Hotspot on Simultaneous ULCA&ENDC											
Front side	30	QPSK 1_1	376500/1882.5	100%	0.525	-0.03	21.05	19.00	0.624	0.328	22.8
Back side	30	QPSK 1_1	376500/1882.5	100%	0.626	0.01	21.05	19.00	0.624	0.391	22.8
Left side	30	QPSK 1_1	376500/1882.5	100%	0.094	-0.13	21.05	19.00	0.624	0.059	22.8
Right side	30	QPSK 1_1	376500/1882.5	100%	0.075	0.07	21.05	19.00	0.624	0.047	22.8
Bottom side	30	QPSK 1_1	376500/1882.5	100%	0.942	0.01	21.05	19.00	0.624	0.588	22.8
Hotspot Evaluate data (Separate 10mm 50%RB) for Hotspot on Simultaneous ULCA&ENDC											
Front side	30	QPSK 75_36	376500/1882.5	100%	0.397	-0.08	20.93	19.00	0.641	0.254	22.8
Back side	30	QPSK 75_36	376500/1882.5	100%	0.492	-0.13	20.93	19.00	0.641	0.315	22.8
Left side	30	QPSK 75_36	376500/1882.5	100%	0.064	0.11	20.93	19.00	0.641	0.041	22.8
Right side	30	QPSK 75_36	376500/1882.5	100%	0.051	-0.13	20.93	19.00	0.641	0.033	22.8
Bottom side	30	QPSK 75_36	376500/1882.5	100%	0.754	-0.06	20.93	19.00	0.641	0.483	22.8
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)10-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled 10-g SAR(W/kg)	Liquid Temp.
Product specific 10g SAR Test data(0mm) (Separate 0mm 1RB) sensor on											
Bottom side	30	QPSK 1_1	376500/1882.5	1:1	2.230	0.12	22.02	23.00	1.253	2.794	22.8
Product specific 10g SAR Test data(0mm) (Separate 0mm 50%RB) sensor on											
Bottom side	30	QPSK 75_36	376500/1882.5	1:1	2.120	-0.08	22.00	23.00	1.259	2.669	22.8
Product specific 10g SAR Test data(0mm) (Separate 0mm 100%RB) sensor on											
Bottom side	30	QPSK 150_0	376500/1882.5	1:1	1.860	-0.14	20.88	22.00	1.294	2.407	22.8
Product specific 10g SAR Test data(0mm) (Separate 0mm 1RB) sensor off											
Bottom side-19mm	30	QPSK 1_1	376500/1882.5	1:1	0.299	0.04	23.01	24.00	1.256	0.376	22.8
Product specific 10g SAR Test data(0mm) (Separate 0mm 50%RB) sensor off											
Bottom side-19mm	30	QPSK 75_36	376500/1882.5	1:1	0.212	0.09	22.94	24.00	1.276	0.271	22.8
Ant1 Test Record											
Test position	BW.	Modulation	Test ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Head Test Data (1RB) Receiver on											
Left cheek	30	QPSK 1_1	376500/1882.5	100%	0.583	0.02	15.82	16.50	1.169	0.682	22.8
Left tilted	30	QPSK 1_1	376500/1882.5	100%	0.755	0.00	15.82	16.50	1.169	0.883	22.8
Right cheek	30	QPSK 1_1	376500/1882.5	100%	0.881	0.17	15.82	16.50	1.169	1.030	22.8
Right tilted	30	QPSK 1_1	376500/1882.5	100%	0.914	-0.04	15.82	16.50	1.169	1.068	22.8
Right tilted-repeated sar	30	QPSK 1_1	376500/1882.5	100%	0.865	0.02	15.82	16.50	1.169	1.011	22.8
Head Test Data (50%RB) Receiver on											
Left cheek	30	QPSK 75_36	376500/1882.5	100%	0.521	0.11	15.74	15.50	0.946	0.493	22.8
Left tilted	30	QPSK 75_36	376500/1882.5	100%	0.683	-0.13	15.74	16.50	1.191	0.813	22.8
Right cheek	30	QPSK 75_36	376500/1882.5	100%	0.812	-0.17	15.74	16.50	1.191	0.967	22.8
Right tilted	30	QPSK 75_36	376500/1882.5	100%	0.891	0.15	15.74	16.50	1.191	1.061	22.8
Head Test Data (100%RB) Receiver on											
Left tilted	30	QPSK 150_0	376500/1882.5	100%	0.563	0.04	14.76	15.50	1.186	0.668	22.8
Right cheek	30	QPSK 150_0	376500/1882.5	100%	0.725	-0.14	14.76	15.50	1.186	0.860	22.8
Right tilted	30	QPSK 150_0	376500/1882.5	100%	0.736	-0.18	14.76	15.50	1.186	0.873	22.8