

## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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|            |     |                |     |
|------------|-----|----------------|-----|
| CA_66A-71A | Yes | CA_2A-14A-66A  | No  |
| CA_41A-41A | No  | CA_2A-2A-14A   | No  |
| CA_2A-7A   | Yes | CA_2A-30A-66A  | No  |
| CA_2C      | Yes | CA_2A-5A-30A   | No  |
| CA_41C     | No  | CA_30A-66A-66A | No  |
| CA_4A-7A   | Yes | CA_4A-12A-30A  | No  |
| CA_5A-7A   | Yes | CA_4A-5A-30A   | No  |
| CA_7A-12A  | Yes | CA_5A-30A-66A  | No  |
| CA_7A-66A  | Yes | CA_2A-4A-12A   | Yes |
| CA_7A-7A   | Yes | CA_12A-66C     | No  |
| CA_7C      | Yes | CA_48A-48A-66A | No  |
|            |     | CA_2A-4A-71A   | Yes |
|            |     | CA_2A-66A-71A  | Yes |
|            |     | CA_66A-66A-71A | Yes |
|            |     | CA_66C-71A     | Yes |
|            |     | CA_4A-4A-71A   | No  |
|            |     | CA_2A-2A-71A   | Yes |
|            |     | CA_66A-66C     | No  |
|            |     | CA_2C-66A      | Yes |
|            |     | CA_2A-48A-48A  | No  |
|            |     | CA_2A-2A-7A    | Yes |
|            |     | CA_2A-4A-7A    | Yes |
|            |     | CA_2A-5A-7A    | Yes |
|            |     | CA_2A-7A-12A   | Yes |
|            |     | CA_2A-7A-66A   | Yes |
|            |     | CA_2A-7A-7A    | Yes |
|            |     | CA_2A-7C       | Yes |
|            |     | CA_4A-4A-7A    | No  |
|            |     | CA_4A-7A-12A   | No  |
|            |     | CA_4A-7A-7A    | Yes |
|            |     | CA_4A-7C       | Yes |
|            |     | CA_5A-7A-66A   | Yes |
|            |     | CA_5A-7A-7A    | Yes |
|            |     | CA_7A-12A-66A  | No  |
|            |     | CA_7A-66A-66A  | Yes |
|            |     | CA_7A-7A-66A   | Yes |



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## Downlink LTE CA Power

Please refer to Appendix E.

SAR test procedure for intra-band contiguous UL LTE CA is as below:

1) Maximum output power is measured for each UL CA configuration for the required test channels described in KDB 941225 D05

- UL PCC configuration is determined by the required test channel
- SCC and subsequent CCs are added alternatively to either side of the PCC or within the transmission band for channels at the ends of a frequency band.

2) SAR for UL CA is required in each exposure condition and frequency band combination

3) For this device, as the maximum output for Intra-band uplink LTE CA is  $\leq$  standalone LTE mode (without CA),

- PCC is configured according to the highest standalone SAR configuration tested.
- SCC and subsequent CCs are configured according to procedures used for power measurement and parameters (BW, RB etc.) similar to that used for the PCC

4) When the reported SAR for UL CA configuration, described above, is  $> 1.2$  W/kg, UL CA SAR is also required for all required test channels (PCC based)

5) UL CA SAR is also required for standalone SAR configurations  $> 1.2$  W/kg when they are scaled to the UL CA power level.

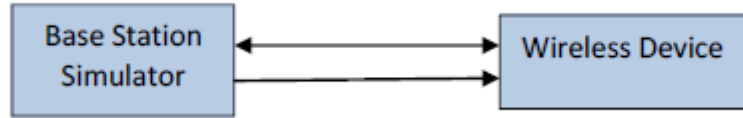
6) General PCC and SCC configuration selection procedure

- PCC uplink channel, channel bandwidth, modulation and RB configurations were selected based on section C3)b)ii) of KDB 941225 D05 V01r02. All LTE bandwidth conducted powers needed for PCC uplink configuration selection can be found in appendix E. The downlink PCC channel was paired with the selected PCC uplink channel according to normal configurations without carrier aggregation.

- To maximize aggregated bandwidth, highest channel bandwidth available for that CA combination was selected for SCC. For inter-band CA, the SCC downlink channels were selected near the middle of their transmission bands. For contiguous intra-band CA, the downlink channel spacing between the component carriers was set to multiple of 300 kHz less than the nominal channel spacing defined in section 5.4.1A of 3GPP TS 36.521. For non-contiguous intra-band CA, the downlink channel spacing between the component carriers was set to be larger than the nominal channel spacing and provided maximum separation between the component carriers.

All selected PCC and SCC(s) remained fully within the uplink/downlink transmission band of the respective component carrier.





DL CA Power Measurement Setup

c) Inter-band carrier aggregation requirements for uplink.

1. For Inter-band uplink CA mode, Qualcomm Smart Transmit algorithm in WWAN directly adds the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from another 4G(LTE). Smart Transmit algorithm controls the total RF exposure of Inter-band uplink CA to not exceed FCC limit.

The Inter band Uplink CA as below table:

| LTE Band/Antenna |      | B4<br>Ant5 | B5<br>Ant1 | B7<br>Ant2 | B12<br>Ant1 | B13<br>Ant1 | B14<br>Ant1 | B30<br>Ant2 | B66<br>Ant2 | B71<br>Ant1 |
|------------------|------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| B2               | Ant2 |            | √          |            | √           | √           | √           |             |             | √           |
|                  | Ant5 | √          |            | √          |             |             |             |             | √           |             |
| B4               | Ant2 |            | √          |            | √           | √           |             |             |             | √           |
|                  | Ant5 |            |            | √          |             |             |             |             |             |             |
| B5               | Ant1 |            |            | √          |             |             |             | √           | √           |             |
| B7               | Ant2 |            |            |            | √           |             |             |             |             |             |
| B12              | Ant1 |            |            |            |             |             |             | √           |             |             |
| B13              | Ant1 |            |            |            |             |             |             |             | √           |             |
| B14              | Ant1 |            |            |            |             |             |             | √           | √           |             |
| B66              | Ant2 |            |            |            |             |             |             |             |             | √           |

## 8.2.5 NR Band Test Configuration

- NR Band n2/n5/n7/n14/n25/n26/n30/n38/n41/n66/n70/n71/n77/n78 support SA mode and n2/n5/n7/n25/n38/n41/n66/n71/n77/n78 support NSA mode. LTE+NR Band operations are possible only with LTE under EN-DC mode and the operations are possible as following table:

| Band/Antenna |      | NR N2 |      | NR N5 | NR N7 | NR N25 | NR N38 | NR N41 | NR N66 |      | NR N71 | NR N77 |      | NR N78 |
|--------------|------|-------|------|-------|-------|--------|--------|--------|--------|------|--------|--------|------|--------|
|              |      | Ant2  | Ant5 | Ant1  | Ant2  | Ant2   | Ant2   | Ant2   | Ant2   | Ant5 | Ant1   | Ant3   | Ant7 | Ant7   |
| LTE Band2    | Ant2 |       |      | √     |       |        |        |        |        |      | √      |        |      |        |
|              | Ant5 |       |      |       | √     |        | √      | √      | √      |      |        |        | √    | √      |
| LTE Band4    | Ant5 |       |      |       |       |        | √      | √      |        |      |        |        |      |        |
| LTE Band5    | Ant1 | √     |      |       | √     |        | √      |        | √      |      |        |        | √    | √      |
| LTE Band7    | Ant2 |       |      |       |       |        |        |        |        |      | √      |        |      |        |
|              | Ant5 | √     |      |       |       |        |        |        | √      |      |        |        | √    | √      |
| LTE Band12   | Ant1 | √     |      |       |       | √      |        | √      | √      |      |        |        | √    | √      |
| LTE Band13   | Ant1 |       |      |       |       |        |        |        | √      |      |        |        |      |        |
| LTE Band14   | Ant1 | √     |      |       |       |        |        |        | √      |      |        |        | √    |        |
| LTE Band30   | Ant2 |       | √    | √     |       |        |        |        |        | √    |        | √      |      |        |
| LTE Band48   | Ant3 | √     |      |       |       |        |        |        | √      |      |        |        |      |        |
|              | Ant7 |       |      | √     |       |        |        |        |        |      |        |        |      |        |
| LTE Band66   | Ant2 |       |      | √     |       |        |        |        |        |      | √      |        |      |        |
|              | Ant5 | √     |      |       | √     | √      | √      | √      |        |      |        |        | √    | √      |
| LTE Band71   | Ant1 | √     |      |       |       |        | √      | √      | √      |      |        |        |      | √      |

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2. The general information supported by the NR band is as following table:

| Band       |                | n2        | n5   | n7   | n14  | n25  | n26  | n30  | n38  |
|------------|----------------|-----------|------|------|------|------|------|------|------|
| Modulation | DFT-s-OFDM     | PI/2 BPSK | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  |
|            |                | QPSK      | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  |
|            |                | 16QAM     | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  |
|            |                | 64QAM     | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  |
|            |                | 256QAM    | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  |
|            | CP-OFDM        | QPSK      | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  |
|            |                | 16QAM     | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  |
|            |                | 64QAM     | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  |
|            |                | 256QAM    | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  |
|            | Max Duty Cycle |           | 100% | 100% | 100% | 100% | 100% | 100% | 100% |

| Band       |                | n41       | n48  | n66  | n70  | n71  | n77  | n78  |
|------------|----------------|-----------|------|------|------|------|------|------|
| Modulation | DFT-s-OFDM     | PI/2 BPSK | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  |
|            |                | QPSK      | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  |
|            |                | 16QAM     | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  |
|            |                | 64QAM     | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  |
|            |                | 256QAM    | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  |
|            | CP-OFDM        | QPSK      | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  |
|            |                | 16QAM     | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  |
|            |                | 64QAM     | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  |
|            |                | 256QAM    | Yes  | Yes  | Yes  | Yes  | Yes  | Yes  |
|            | Max Duty Cycle |           | 100% | 100% | 100% | 100% | 100% | 100% |



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| Band | SCS    | Bandwidth |       |       |       |       |       |       |       |       |       |       |       |        |
|------|--------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|      |        | 5MHz      | 10MHz | 15MHz | 20MHz | 25MHz | 30MHz | 40MHz | 50MHz | 60MHz | 70MHz | 80MHz | 90MHz | 100MHz |
| n2   | 15 kHz | Yes       | Yes   | Yes   | Yes   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
|      | 30 kHz | N/A       | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
| n5   | 15 kHz | Yes       | Yes   | Yes   | Yes   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
|      | 30 kHz | N/A       | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
| n7   | 15 kHz | Yes       | Yes   | Yes   | Yes   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
|      | 30 kHz | N/A       | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
| n14  | 15 kHz | Yes       | Yes   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
|      | 30 kHz | N/A       | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
| n25  | 15 kHz | Yes       | Yes   | Yes   | Yes   | Yes   | Yes   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
|      | 30 kHz | N/A       | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
| n26  | 15 kHz | Yes       | Yes   | Yes   | Yes   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
|      | 30 kHz | N/A       | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
| n30  | 15 kHz | N/A       | N/A   | N/A   | N/A   | N/A   | Yes   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
|      | 30 kHz | N/A       | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
| n38  | 15 kHz | N/A       | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
|      | 30 kHz | N/A       | N/A   | N/A   | Yes   | N/A   | Yes   | Yes   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
| n41  | 15 kHz | N/A       | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
|      | 30 kHz | N/A       | N/A   | N/A   | Yes   | N/A   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes    |
| n48  | 15 kHz | N/A       | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
|      | 30 kHz | N/A       | N/A   | N/A   | Yes   | N/A   | Yes   | Yes   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
| n66  | 15 kHz | Yes       | Yes   | Yes   | Yes   | Yes   | Yes   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
|      | 30 kHz | N/A       | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
| n70  | 15 kHz | N/A       | N/A   | Yes   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
|      | 30 kHz | N/A       | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
| n71  | 15 kHz | Yes       | Yes   | Yes   | Yes   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
|      | 30 kHz | N/A       | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
| n77  | 15 kHz | N/A       | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
|      | 30 kHz | N/A       | N/A   | N/A   | Yes   | N/A   | Yes   | Yes   | N/A   | Yes   | N/A   | Yes   | N/A   | Yes    |
| n78  | 15 kHz | N/A       | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A    |
|      | 30 kHz | N/A       | N/A   | N/A   | Yes   | N/A   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes    |



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3. For 5G NR test procedure was following step similar FCC KDB 941225 D05:

- a. For DFT-OFDM and CP-OFDM output power measurement reduction, according to 3GPP 38.101 maximum power reduction for power class 3, the CP-OFDM mode will not higher than DFT-OFDM mode, therefore, similar FCC KDB 941225 D05 procedure for other modulation output power for each RB allocation configuration is  $> \text{not } \frac{1}{2}$  dB higher than the same configuration in DFT-QPSK and the reported SAR for the DFT-QPSK configuration is  $\leq 1.45$  W/kg; CP-OFDM testing is not required.
- b. For DFT-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class 3, for PI/2 BPSK/16QAM/64QAM/256QAM and smaller bandwidth output power will spot check largest channel bandwidth worst RB configuration to ensure the PI/2 BPSK/16QAM/64QAM/256QAM and smaller bandwidth output power will not  $\frac{1}{2}$  dB higher than the same configuration in the largest supported bandwidth.
- c. SAR testing start with the largest SCS and largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
- d. 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure
- e. QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are  $\leq 0.8$  W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is  $> 1.45$  W/kg, the remaining required test channels must also be tested.
- f. PI/2 BPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not  $\frac{1}{2}$  dB higher than the same configuration in QPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, PI/2 BPSK/16QAM/64QAM/256QAM SAR testing are not required.
- g. Smaller SCS/bandwidth output power for each RB allocation configuration for this device will not  $\frac{1}{2}$  dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is  $\leq 1.45$  W/kg, smaller bandwidth SAR testing is not required for this device



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### 4. MPR

MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS 38.101-1 Section 6.2.2 under Table 6.2.2 -1.

| Modulation |           | MPR (dB)            |                      |                      |
|------------|-----------|---------------------|----------------------|----------------------|
|            |           | Edge RB allocations | Outer RB allocations | Inner RB allocations |
| DFT-s-OFDM | PI/2 BPSK | $\leq 3.5^1$        | $\leq 1.2^1$         | $\leq 0.2^1$         |
|            |           | $\leq 0.5^2$        | $\leq 0.5^2$         | 0 <sup>2</sup>       |
|            | QPSK      | $\leq 1$            |                      | 0                    |
|            | 16 QAM    | $\leq 2$            |                      | $\leq 1$             |
|            | 64 QAM    | $\leq 2.5$          |                      |                      |
| CP-OFDM    | 256 QAM   | $\leq 4.5$          |                      |                      |
|            | QPSK      | $\leq 3$            |                      | $\leq 1.5$           |
|            | 16 QAM    | $\leq 3$            |                      | $\leq 2$             |
|            | 64 QAM    | $\leq 3.5$          |                      |                      |
|            | 256 QAM   | $\leq 6.5$          |                      |                      |

NOTE 1: Applicable for UE operating in TDD mode with Pi/2 BPSK modulation and UE indicates support for UE capability powerBoosting-pi2BPSK and if the IE powerBoostPi2BPSK is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0 dB MPR is 26dBm.

NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 with Pi/2 BPSK modulation and if the IE powerBoostPi2BPSK is set to 0 and if more than 40 % of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.

5. 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.

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

1) 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.

7. For EN-DC mode, Qualcomm Smart Transmit algorithm in WWAN directly adds the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR to not exceed regulatory limit.



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## 9 Test Result

### 9.1 Measurement of RF Conducted Power

The detailed conducted power can be referred to Appendix E.

**Note:**

- 1) . For SAR the time based average power is relevant. The difference in between depends on the duty cycle of the TDMA signal:

| No. of timeslots                                     | 1     | 2      | 3      | 4       |
|------------------------------------------------------|-------|--------|--------|---------|
| Duty Cycle                                           | 1:8.3 | 1:4.15 | 1:2.77 | 1:2.075 |
| Time based avg. power compared to slotted avg. power | -9.19 | -6.18  | -4.42  | -3.17   |

- 2) . The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below:

Frame-averaged power = 10 x log (Burst-averaged power mW x Slot used / 8).

- 3) . When the maximum output power variation across the required test channels is > ½ dB, instead of the middle channel, the highest output power channel must be used.
- 4) . According to FCC guidance, the output power with uplink CA active was measured for the high / middle / low channel configuration with the highest reported SAR for each exposure condition, the power was measured with wideband signal integration over both component carriers.
- 5) . In applying the power measurement procedures of KDB 941225 D05A for DL CA to qualify for UL SAR test exclusion, power measurement is required only for the subset in each row with the largest combination of frequency bands and CCs.
- 6) . Maximum output power measurement is required for each UL CA configuration for the required test channels described in KDB 941225 D05.
- 7) . Conducted power measurement results of downlink LTE carrier aggregation are provided to quantify downlink only carrier aggregation SAR test exclusion per KDB 941225 D05A. Uplink maximum output power is measured with downlink carrier aggregation active, using the channel with highest measured maximum output power when downlink carrier aggregation is inactive, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive, therefore SAR evaluation with downlink carrier aggregation can be excluded.

The possible downlink LTE CA combinations supported by this device are as below tables per 3GPP TS 36.101 V15.4.0. The detailed conducted power measurement results of downlink LTE CA are provided in the SAR report per 3GPP TS 36.521-1 V14.4.0. According to KDB 941225 D05A, the downlink only carrier aggregation conditions for this device can be excluded from SAR testing.

The conducted power measurement results of downlink LTE CA Conducted Power are as Appendix E conducted RF output power, so the downlink only carrier aggregation conditions for this device can be excluded from SAR testing.

- 8) . For conducted power of WIFI must be measured at each transmit antenna port according to the DSSS and OFDM transmission configurations in each standalone and aggregated frequency band. For each transmission mode configuration, power must be measured for the highest and lowest channels; and at the mid-band channel(s) when there are at least 3 channels. For configurations with multiple mid-band channels, due to an even number of channels, both channels should be measured. Power

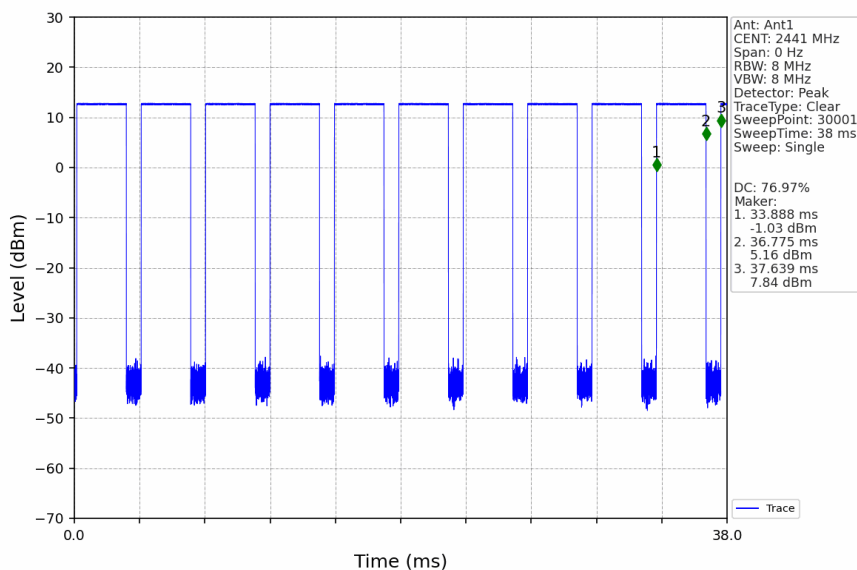


measurement is required for the transmission mode configuration with the highest maximum output power specified for production units.

1) When the same highest maximum output power specification applies to multiple transmission modes, the largest channel bandwidth configuration with the lowest order modulation and lowest data rate is measured.

2) When the same highest maximum output power is specified for multiple largest channel bandwidth configurations with the same lowest order modulation or lowest order modulation and lowest data rate, power measurement is required for all equivalent 802.11 configurations with the same maximum output power.

- 9) . The conducted power of BT is measured with RMS detector.  
BT DH5 Duty Cycle=76.97%



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## 9.2 Measurement of SAR Data

### Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.
- 2) Per KDB447498 D04, 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  $2.0\text{W/kg}$  for 10-g respectively, when the transmission band is  $\leq 100\text{MHz}$ .
  - $\leq 0.6\text{ W/kg}$  or  $1.5\text{ W/kg}$ , 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  $1.0\text{ W/kg}$ , for 1-g or 10-g respectively, when the transmission band is  $\geq 200\text{ MHz}$ .

### WiFi 2.4G:

- 1) When the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is  $\leq 1.2\text{ W/kg}$ , SAR test for the other 802.11 modes are not required.

### WiFi 5G:

- 1) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. As the highest reported SAR for a test configuration is  $\leq 1.2\text{ W/kg}$ , SAR is not required for U-NII-1 band for that configuration.
- 2) For Wi-Fi 5G, U-NII-2A (5250-5350 MHz) and U-NII-2C (5470-5725 MHz) bands does not support hotspot function.

When the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is  $\leq 1.2\text{ W/kg}$ , SAR test for the other 802.11 modes are not required.



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## 9.2.1 SAR Result of GSM850

| GSM850 SAR Test Record                          |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
|-------------------------------------------------|-----------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Ant 1 Test Record                               |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position                                   | Test mode | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-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 DSI4                             |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                      | GPRS 4TS  | 190/836.6      | 1:2.075    | 0.297          | 0.171           | 0.02             | 24.16                | 25.50              | 1.361         | 0.404                 | 22.5             |
| Left tilted                                     | GPRS 4TS  | 190/836.6      | 1:2.075    | 0.254          | 0.148           | -0.07            | 24.16                | 25.50              | 1.361         | 0.346                 | 22.5             |
| Right cheek                                     | GPRS 4TS  | 190/836.6      | 1:2.075    | 0.381          | 0.234           | 0.08             | 24.16                | 25.50              | 1.361         | 0.519                 | 22.5             |
| Right tilted                                    | GPRS 4TS  | 190/836.6      | 1:2.075    | 0.272          | 0.159           | -0.01            | 24.16                | 25.50              | 1.361         | 0.370                 | 22.5             |
| Right cheek                                     | GPRS 4TS  | 128/824.2      | 1:2.075    | 0.439          | 0.250           | 0.12             | 24.25                | 25.50              | 1.334         | <b>0.585</b>          | 22.5             |
| Right cheek                                     | GPRS 4TS  | 251/848.8      | 1:2.075    | 0.363          | 0.226           | 0.05             | 24.23                | 25.50              | 1.340         | 0.486                 | 22.5             |
| Body worn&Hotspot Test data(Separate 10mm) DSI6 |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                      | GPRS 2TS  | 190/836.6      | 1:4.15     | 0.361          | 0.222           | -0.19            | 29.27                | 31.00              | 1.489         | 0.538                 | 22.5             |
| Back side                                       | GPRS 2TS  | 190/836.6      | 1:4.15     | 0.275          | 0.168           | -0.13            | 29.27                | 31.00              | 1.489         | 0.410                 | 22.5             |
| Left side                                       | GPRS 2TS  | 190/836.6      | 1:4.15     | 0.065          | 0.037           | 0.14             | 29.27                | 31.00              | 1.489         | 0.097                 | 22.5             |
| Right side                                      | GPRS 2TS  | 190/836.6      | 1:4.15     | 0.116          | 0.077           | -0.19            | 29.27                | 31.00              | 1.489         | 0.173                 | 22.5             |
| Top side                                        | GPRS 2TS  | 190/836.6      | 1:4.15     | 0.152          | 0.078           | -0.11            | 29.27                | 31.00              | 1.489         | 0.226                 | 22.5             |
| Front side                                      | GPRS 2TS  | 128/824.2      | 1:4.15     | 0.336          | 0.207           | -0.19            | 29.27                | 31.00              | 1.489         | 0.500                 | 22.5             |
| Front side                                      | GPRS 2TS  | 251/848.8      | 1:4.15     | 0.378          | 0.240           | -0.01            | 29.27                | 31.00              | 1.489         | <b>0.563</b>          | 22.5             |

(for original report SZCR241000381012)

| GSM850 SAR Test Record                          |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
|-------------------------------------------------|-----------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Ant 1 Test Record                               |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position                                   | Test mode | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-g | Power drift (dB) | Conducted Power(dBm) | Tune up Limit(dBm) | Scaled factor | Scaled SAR 1-g (W/kg) | Liquid Temp.(°C) |
| Body worn&Hotspot Test data(Separate 10mm) DSI6 |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                      | GPRS 2TS  | 251/848.8      | 1:4.15     | 0.378          | 0.232           | -0.02            | 29.27                | 31.00              | 1.489         | <b>0.563</b>          | 21.9             |

(for new report SZCR250400159712)



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## 9.2.2 SAR Result of GSM1900

| GSM1900 SAR Test Record                         |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
|-------------------------------------------------|-----------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Ant 2 Test Record                               |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position                                   | Test mode | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-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 DSI4                             |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                      | GPRS 4TS  | 661/1880       | 1:2.075    | 0.258          | 0.167           | 0.18             | 21.58                | 23.50              | 1.556         | 0.401                 | 22.1             |
| Left tilted                                     | GPRS 4TS  | 661/1880       | 1:2.075    | 0.232          | 0.142           | 0.09             | 21.58                | 23.50              | 1.556         | 0.361                 | 22.1             |
| Right cheek                                     | GPRS 4TS  | 661/1880       | 1:2.075    | 0.552          | 0.302           | 0.13             | 21.58                | 23.50              | 1.556         | 0.859                 | 22.1             |
| Right tilted                                    | GPRS 4TS  | 661/1880       | 1:2.075    | 0.279          | 0.170           | 0.08             | 21.58                | 23.50              | 1.556         | 0.434                 | 22.1             |
| Right cheek                                     | GPRS 4TS  | 512/1850.2     | 1:2.075    | 0.553          | 0.305           | 0.11             | 21.63                | 23.50              | 1.538         | 0.851                 | 22.1             |
| Right cheek                                     | GPRS 4TS  | 810/1909.8     | 1:2.075    | 0.564          | 0.308           | 0.10             | 21.65                | 23.50              | 1.531         | <b>0.864</b>          | 22.5             |
| Body worn&Hotspot Test data(Separate 10mm) DSI6 |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                      | GPRS 4TS  | 661/1880       | 1:2.075    | 0.345          | 0.188           | 0.09             | 25.29                | 26.00              | 1.178         | 0.406                 | 22.5             |
| Back side                                       | GPRS 4TS  | 661/1880       | 1:2.075    | 0.332          | 0.200           | 0.00             | 25.29                | 26.00              | 1.178         | 0.391                 | 22.5             |
| Left side                                       | GPRS 4TS  | 661/1880       | 1:2.075    | 0.344          | 0.170           | 0.15             | 25.29                | 26.00              | 1.178         | 0.405                 | 22.5             |
| Top side                                        | GPRS 4TS  | 661/1880       | 1:2.075    | 0.257          | 0.150           | -0.03            | 25.29                | 26.00              | 1.178         | 0.303                 | 22.5             |
| Back side                                       | GPRS 4TS  | 512/1850.2     | 1:2.075    | 0.341          | 0.185           | 0.02             | 25.17                | 26.00              | 1.211         | <b>0.413</b>          | 22.5             |
| Back side                                       | GPRS 4TS  | 810/1909.8     | 1:2.075    | 0.346          | 0.198           | 0.11             | 25.28                | 26.00              | 1.180         | 0.408                 | 22.5             |

(for original report SZCR241000381012)

| GSM1900 SAR Test Record |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
|-------------------------|-----------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Ant 2 Test Record       |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position           | Test mode | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-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 DSI4     |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Right cheek             | GPRS 4TS  | 810/1909.8     | 1:2.075    | 0.442          | 0.237           | -0.01            | 21.65                | 23.50              | 1.531         | <b>0.677</b>          | 21.9             |

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## 9.2.3 SAR Result of WCDMA Band II

| WB2 SAR Test Record                             |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
|-------------------------------------------------|-----------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Ant 2 Test Record                               |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position                                   | Test mode | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-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 DSI4                             |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                      | RMC       | 9400/1880      | 1:1        | 0.266          | 0.177           | 0.15             | 18.72                | 19.50              | 1.197         | 0.318                 | 22.1             |
| Left tilted                                     | RMC       | 9400/1880      | 1:1        | 0.262          | 0.162           | 0.03             | 18.72                | 19.50              | 1.197         | 0.314                 | 22.1             |
| Right cheek                                     | RMC       | 9400/1880      | 1:1        | 0.618          | 0.359           | 0.01             | 18.72                | 19.50              | 1.197         | <b>0.740</b>          | 22.1             |
| Right tilted                                    | RMC       | 9400/1880      | 1:1        | 0.290          | 0.181           | -0.13            | 18.72                | 19.50              | 1.197         | 0.347                 | 22.1             |
| Right cheek                                     | RMC       | 9262/1852.4    | 1:1        | 0.554          | 0.330           | -0.08            | 18.65                | 19.50              | 1.216         | 0.674                 | 22.1             |
| Right cheek                                     | RMC       | 9538/1907.6    | 1:1        | 0.543          | 0.321           | 0.17             | 18.70                | 19.50              | 1.202         | 0.653                 | 22.1             |
| Body worn&Hotspot Test data(Separate 10mm) DSI6 |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                      | RMC       | 9400/1880      | 1:1        | 0.543          | 0.358           | -0.01            | 23.63                | 25.00              | 1.371         | <b>0.744</b>          | 22.5             |
| Back side                                       | RMC       | 9400/1880      | 1:1        | 0.537          | 0.333           | -0.13            | 23.63                | 25.00              | 1.371         | 0.736                 | 22.5             |
| Left side                                       | RMC       | 9400/1880      | 1:1        | 0.415          | 0.245           | 0.04             | 23.63                | 25.00              | 1.371         | 0.569                 | 22.5             |
| Top side                                        | RMC       | 9400/1880      | 1:1        | 0.414          | 0.245           | 0.14             | 23.63                | 25.00              | 1.371         | 0.568                 | 22.5             |
| Front side                                      | RMC       | 9262/1852.4    | 1:1        | 0.533          | 0.345           | -0.05            | 23.57                | 25.00              | 1.390         | 0.741                 | 22.5             |
| Front side                                      | RMC       | 9538/1907.6    | 1:1        | 0.522          | 0.331           | 0.16             | 23.56                | 25.00              | 1.393         | 0.727                 | 22.5             |

(for original report SZCR241000381012)



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## 9.2.4 SAR Result of WCDMA Band IV

| WB4 SAR Test Record                             |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
|-------------------------------------------------|-----------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Ant 2 Test Record                               |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position                                   | Test mode | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-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 DSI4                             |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                      | RMC       | 1412/1732.4    | 1:1        | 0.353          | 0.236           | -0.09            | 19.06                | 19.50              | 1.107         | 0.391                 | 22.1             |
| Left tilted                                     | RMC       | 1412/1732.4    | 1:1        | 0.270          | 0.167           | 0.15             | 19.06                | 19.50              | 1.107         | 0.299                 | 22.1             |
| Right cheek                                     | RMC       | 1412/1732.4    | 1:1        | 0.724          | 0.430           | 0.01             | 19.06                | 19.50              | 1.107         | <b>0.801</b>          | 22.1             |
| Right tilted                                    | RMC       | 1412/1732.4    | 1:1        | 0.417          | 0.246           | -0.09            | 19.06                | 19.50              | 1.107         | 0.461                 | 22.1             |
| Right cheek                                     | RMC       | 1312/1712.4    | 1:1        | 0.680          | 0.412           | -0.06            | 19.04                | 19.50              | 1.112         | 0.756                 | 22.1             |
| Right cheek                                     | RMC       | 1513/1752.6    | 1:1        | 0.685          | 0.418           | -0.10            | 18.96                | 19.50              | 1.132         | 0.776                 | 22.1             |
| Body worn&Hotspot Test data(Separate 10mm) DSI6 |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                      | RMC       | 1412/1732.4    | 1:1        | 0.577          | 0.360           | 0.18             | 23.64                | 24.50              | 1.219         | 0.703                 | 22.5             |
| Back side                                       | RMC       | 1412/1732.4    | 1:1        | 0.694          | 0.408           | -0.08            | 23.64                | 24.50              | 1.219         | <b>0.846</b>          | 22.5             |
| Left side                                       | RMC       | 1412/1732.4    | 1:1        | 0.634          | 0.359           | -0.17            | 23.64                | 24.50              | 1.219         | 0.773                 | 22.5             |
| Top side                                        | RMC       | 1412/1732.4    | 1:1        | 0.491          | 0.271           | 0.18             | 23.64                | 24.50              | 1.219         | 0.599                 | 22.5             |
| Back side                                       | RMC       | 1312/1712.4    | 1:1        | 0.483          | 0.286           | -0.09            | 23.61                | 24.50              | 1.227         | 0.593                 | 22.5             |
| Back side                                       | RMC       | 1513/1752.6    | 1:1        | 0.605          | 0.363           | -0.11            | 23.63                | 24.50              | 1.222         | 0.739                 | 22.5             |

(for original report SZCR241000381012)

| WB4 SAR Test Record                             |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
|-------------------------------------------------|-----------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Ant 2 Test Record                               |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position                                   | Test mode | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-g | Power drift (dB) | Conducted Power(dBm) | Tune up Limit(dBm) | Scaled factor | Scaled SAR 1-g (W/kg) | Liquid Temp.(°C) |
| Body worn&Hotspot Test data(Separate 10mm) DSI6 |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Back side                                       | RMC       | 1412/1732.4    | 1:1        | 0.598          | 0.335           | 0.01             | 23.64                | 24.50              | 1.219         | <b>0.729</b>          | 22.4             |

(for new report SZCR250400159712)



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## 9.2.5 SAR Result of WCDMA Band V

| WB5 SAR Test Record                             |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
|-------------------------------------------------|-----------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Ant 1 Test Record                               |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position                                   | Test mode | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-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 DSI4                             |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                      | RMC       | 4182/836.4     | 1:1        | 0.594          | 0.358           | 0.00             | 22.32                | 23.00              | 1.169         | 0.695                 | 22.1             |
| Left tilted                                     | RMC       | 4182/836.4     | 1:1        | 0.501          | 0.295           | 0.14             | 22.32                | 23.00              | 1.169         | 0.586                 | 22.1             |
| Right cheek                                     | RMC       | 4182/836.4     | 1:1        | 0.806          | 0.499           | -0.09            | 22.32                | 23.00              | 1.169         | 0.943                 | 22.1             |
| Right tilted                                    | RMC       | 4182/836.4     | 1:1        | 0.599          | 0.360           | -0.09            | 22.32                | 23.00              | 1.169         | 0.701                 | 22.1             |
| Right cheek                                     | RMC       | 4132/826.4     | 1:1        | 0.878          | 0.528           | -0.01            | 22.32                | 23.00              | 1.169         | <b>1.027</b>          | 22.1             |
| Right cheek                                     | RMC       | 4233/846.6     | 1:1        | 0.756          | 0.468           | -0.07            | 22.21                | 23.00              | 1.199         | 0.907                 | 22.1             |
| Right cheek with Repeat                         | RMC       | 4132/826.4     | 1:1        | 0.872          | 0.524           | 0.08             | 22.32                | 23.00              | 1.169         | 1.020                 | 22.1             |
| Body worn&Hotspot Test data(Separate 10mm) DSI6 |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                      | RMC       | 4182/836.4     | 1:1        | 0.739          | 0.467           | -0.08            | 24.68                | 25.00              | 1.076         | <b>0.796</b>          | 22.5             |
| Back side                                       | RMC       | 4182/836.4     | 1:1        | 0.419          | 0.261           | -0.05            | 24.68                | 25.00              | 1.076         | 0.451                 | 22.5             |
| Left side                                       | RMC       | 4182/836.4     | 1:1        | 0.105          | 0.061           | 0.04             | 24.68                | 25.00              | 1.076         | 0.113                 | 22.5             |
| Right side                                      | RMC       | 4182/836.4     | 1:1        | 0.201          | 0.133           | 0.17             | 24.68                | 25.00              | 1.076         | 0.216                 | 22.5             |
| Top side                                        | RMC       | 4182/836.4     | 1:1        | 0.361          | 0.177           | 0.08             | 24.68                | 25.00              | 1.076         | 0.389                 | 22.5             |
| Front side                                      | RMC       | 4132/826.4     | 1:1        | 0.712          | 0.433           | -0.04            | 24.65                | 25.00              | 1.084         | 0.772                 | 22.5             |
| Front side                                      | RMC       | 4233/846.6     | 1:1        | 0.689          | 0.442           | 0.05             | 24.67                | 25.00              | 1.079         | 0.743                 | 22.5             |

| Test Position | Channel/<br>Frequency | Measured SAR<br>(1g) | 1 <sup>st</sup> Repeated | Ratio | 2 <sup>nd</sup> Repeated | 3 <sup>rd</sup> Repeated |
|---------------|-----------------------|----------------------|--------------------------|-------|--------------------------|--------------------------|
|               | (MHz)                 |                      | SAR (1g)                 |       | SAR (1g)                 | SAR (1g)                 |
| Right cheek   | 4132/826.4            | 0.878                | 0.872                    | 1.01  | N/A                      | N/A                      |

Note: 1) When the original highest measured SAR is  $\geq 0.80$  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  $\geq 1.45$  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  $\geq 1.5$  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.

(for original report SZCR241000381012)



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| WB5 SAR Test Record |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
|---------------------|-----------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Ant 1 Test Record   |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position       | Test mode | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-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 DSI4 |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Right cheek         | RMC       | 4132/826.4     | 1:1        | 0.722          | 0.410           | 0.01             | 22.32                | 23.00              | 1.169         | <b>0.844</b>          | 21.9             |

(for new report SZCR250400159712)



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## 9.2.6 SAR Result of LTE Band 7

| LTE Band 7 SAR Test Record                                        |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
|-------------------------------------------------------------------|-----|------------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Ant 2 Test Record                                                 |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position                                                     | BW. | Test mode  | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-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) DSI4                                         |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                                        | 20  | QPSK 1_0   | 20850/2510     | 1:1        | 0.224          | 0.129           | -0.03            | 16.06                | 16.50              | 1.107         | 0.248                 | 22.1             |
| Left tilted                                                       | 20  | QPSK 1_0   | 20850/2510     | 1:1        | 0.105          | 0.060           | -0.08            | 16.06                | 16.50              | 1.107         | 0.116                 | 22.1             |
| Right cheek                                                       | 20  | QPSK 1_0   | 20850/2510     | 1:1        | 0.851          | 0.400           | 0.00             | 16.06                | 16.50              | 1.107         | 0.942                 | 22.1             |
| Right tilted                                                      | 20  | QPSK 1_0   | 20850/2510     | 1:1        | 0.364          | 0.179           | 0.16             | 16.06                | 16.50              | 1.107         | 0.403                 | 22.1             |
| Right cheek                                                       | 20  | QPSK 1_0   | 21100/2535     | 1:1        | 0.873          | 0.405           | 0.08             | 15.91                | 16.50              | 1.146         | 1.000                 | 22.1             |
| Right cheek                                                       | 20  | QPSK 1_0   | 21350/2560     | 1:1        | 0.942          | 0.392           | 0.17             | 15.83                | 16.50              | 1.167         | <b>1.099</b>          | 22.1             |
| Head Test Data (50%RB) DSI4                                       |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                                        | 20  | QPSK 50_50 | 21350/2560     | 1:1        | 0.202          | 0.112           | -0.01            | 16.21                | 16.50              | 1.069         | 0.216                 | 22.1             |
| Left tilted                                                       | 20  | QPSK 50_50 | 21350/2560     | 1:1        | 0.095          | 0.054           | 0.00             | 16.21                | 16.50              | 1.069         | 0.102                 | 22.1             |
| Right cheek                                                       | 20  | QPSK 50_50 | 21350/2560     | 1:1        | 0.832          | 0.385           | -0.06            | 16.21                | 16.50              | 1.069         | 0.889                 | 22.1             |
| Right tilted                                                      | 20  | QPSK 50_50 | 21350/2560     | 1:1        | 0.266          | 0.132           | -0.06            | 16.21                | 16.50              | 1.069         | 0.284                 | 22.1             |
| Right cheek                                                       | 20  | QPSK 50_0  | 20850/2510     | 1:1        | 0.855          | 0.389           | 0.16             | 16.20                | 16.50              | 1.072         | 0.916                 | 22.1             |
| Right cheek                                                       | 20  | QPSK 50_0  | 21100/2535     | 1:1        | 0.875          | 0.402           | -0.13            | 15.90                | 16.50              | 1.148         | 1.005                 | 22.1             |
| Head Test Data (100%RB) DSI4                                      |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Right cheek                                                       | 20  | QPSK 100_0 | 20850/2510     | 1:1        | 0.859          | 0.375           | -0.10            | 16.02                | 16.50              | 1.117         | 0.959                 | 22.1             |
| Body worn&Hotspot Test data (Separate 10mm 1RB) Sensor on DSI1    |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                                        | 20  | QPSK 1_99  | 20850/2510     | 1:1        | 0.298          | 0.155           | -0.13            | 19.17                | 19.50              | 1.079         | 0.322                 | 22.1             |
| Back side                                                         | 20  | QPSK 1_99  | 20850/2510     | 1:1        | 0.350          | 0.170           | 0.09             | 19.17                | 19.50              | 1.079         | 0.378                 | 22.1             |
| Left side                                                         | 20  | QPSK 1_99  | 20850/2510     | 1:1        | 0.574          | 0.254           | -0.18            | 19.17                | 19.50              | 1.079         | 0.619                 | 22.1             |
| Top side                                                          | 20  | QPSK 1_99  | 20850/2510     | 1:1        | 0.081          | 0.042           | 0.03             | 19.17                | 19.50              | 1.079         | 0.087                 | 22.1             |
| Left side                                                         | 20  | QPSK 1_50  | 21100/2535     | 1:1        | 0.648          | 0.285           | -0.11            | 19.00                | 19.50              | 1.122         | 0.727                 | 22.1             |
| Left side                                                         | 20  | QPSK 1_0   | 21350/2560     | 1:1        | 0.804          | 0.373           | -0.05            | 19.14                | 19.50              | 1.086         | 0.873                 | 22.1             |
| Body worn&Hotspot Test data (Separate 10mm 50%RB) Sensor on DSI1  |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                                        | 20  | QPSK 50_0  | 20850/2510     | 1:1        | 0.253          | 0.129           | 0.12             | 19.22                | 19.50              | 1.067         | 0.270                 | 22.1             |
| Back side                                                         | 20  | QPSK 50_0  | 20850/2510     | 1:1        | 0.285          | 0.142           | 0.09             | 19.22                | 19.50              | 1.067         | 0.304                 | 22.1             |
| Left side                                                         | 20  | QPSK 50_0  | 20850/2510     | 1:1        | 0.688          | 0.305           | 0.11             | 19.22                | 19.50              | 1.067         | 0.734                 | 22.1             |
| Top side                                                          | 20  | QPSK 50_0  | 20850/2510     | 1:1        | 0.071          | 0.036           | 0.11             | 19.22                | 19.50              | 1.067         | 0.076                 | 22.1             |
| Body worn&Hotspot Test data (Separate 10mm 100%RB) Sensor on DSI1 |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left side                                                         | 20  | QPSK 100_0 | 20850/2510     | 1:1        | 0.692          | 0.315           | -0.02            | 19.24                | 19.50              | 1.062         | 0.735                 | 22.1             |
| Body worn&Hotspot Test data 1RB Sensor off DSI6                   |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side with 15mm                                              | 20  | QPSK 1_99  | 20850/2510     | 1:1        | 0.464          | 0.232           | -0.05            | 23.42                | 24.50              | 1.282         | 0.595                 | 22.3             |
| Back side with 15mm                                               | 20  | QPSK 1_99  | 20850/2510     | 1:1        | 0.574          | 0.297           | -0.14            | 23.42                | 24.50              | 1.282         | 0.736                 | 22.3             |
| Left side with 19mm                                               | 20  | QPSK 1_99  | 20850/2510     | 1:1        | 0.648          | 0.348           | 0.08             | 23.42                | 24.50              | 1.282         | 0.831                 | 22.3             |
| Top side with 10mm                                                | 20  | QPSK 1_99  | 20850/2510     | 1:1        | 0.261          | 0.136           | 0.15             | 23.42                | 24.50              | 1.282         | 0.335                 | 22.3             |
| Left side with 19mm                                               | 20  | QPSK 1_50  | 21100/2535     | 1:1        | 0.776          | 0.413           | -0.19            | 23.36                | 24.50              | 1.300         | 1.009                 | 22.3             |
| Left side with 19mm                                               | 20  | QPSK 1_99  | 21350/2560     | 1:1        | 0.856          | 0.445           | 0.03             | 23.38                | 24.50              | 1.294         | <b>1.108</b>          | 22.3             |
| Left side with 19mm with Repeat                                   | 20  | QPSK 1_99  | 21350/2560     | 1:1        | 0.851          | 0.442           | 0.02             | 23.38                | 24.50              | 1.294         | 1.101                 | 22.3             |



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## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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| Body worn&Hotspot Test data 50%RB Sensor off DSI6                       |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
|-------------------------------------------------------------------------|-----|------------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Front side with 15mm                                                    | 20  | QPSK 50_0  | 20850/2510     | 1:1        | 0.423          | 0.225           | -0.14            | 22.54                | 23.50              | 1.247         | 0.528                 | 22.3             |
| Back side with 15mm                                                     | 20  | QPSK 50_0  | 20850/2510     | 1:1        | 0.471          | 0.242           | 0.05             | 22.54                | 23.50              | 1.247         | 0.588                 | 22.3             |
| Left side with 19mm                                                     | 20  | QPSK 50_0  | 20850/2510     | 1:1        | 0.633          | 0.325           | 0.07             | 22.54                | 23.50              | 1.247         | 0.790                 | 22.3             |
| Top side with 10mm                                                      | 20  | QPSK 50_0  | 20850/2510     | 1:1        | 0.210          | 0.108           | -0.16            | 22.54                | 23.50              | 1.247         | 0.262                 | 22.3             |
| Body worn&Hotspot Test data 100%RB Sensor off DSI6                      |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left side with 19mm                                                     | 20  | QPSK 100_0 | 20850/2510     | 1:1        | 0.624          | 0.331           | -0.02            | 22.50                | 23.50              | 1.259         | 0.786                 | 22.3             |
| Test position                                                           | BW. | Test mode  | Test Ch./Freq. | Duty Cycle | SAR (W/kg)1-g  | 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 (Sensor on Separate 0mm 1RB) DSI1    |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left side                                                               | 20  | QPSK 1_99  | 20850/2510     | 1:1        | 7.070          | 2.250           | -0.09            | 19.17                | 19.50              | 1.079         | 2.428                 | 22.3             |
| Left side                                                               | 20  | QPSK 1_50  | 21100/2535     | 1:1        | 7.660          | 2.440           | 0.16             | 19.00                | 19.50              | 1.122         | 2.738                 | 22.3             |
| Left side                                                               | 20  | QPSK 1_0   | 21350/2560     | 1:1        | 8.230          | 2.620           | -0.05            | 19.14                | 19.50              | 1.086         | 2.846                 | 22.3             |
| Product specific 10g SAR Test data (Sensor on Separate 0mm 50%RB) DSI1  |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left side                                                               | 20  | QPSK 50_0  | 20850/2510     | 1:1        | 6.860          | 2.170           | 0.03             | 19.22                | 19.50              | 1.067         | 2.315                 | 22.3             |
| Left side                                                               | 20  | QPSK 50_50 | 21100/2535     | 1:1        | 7.940          | 2.530           | -0.15            | 19.05                | 19.50              | 1.109         | 2.806                 | 22.3             |
| Left side                                                               | 20  | QPSK 50_25 | 21350/2560     | 1:1        | 8.740          | 2.930           | 0.07             | 19.17                | 19.50              | 1.079         | 3.161                 | 22.3             |
| Left side with Repeat                                                   | 20  | QPSK 50_25 | 21350/2560     | 1:1        | 8.730          | 2.930           | 0.03             | 19.17                | 19.50              | 1.079         | 3.161                 | 22.3             |
| Product specific 10g SAR Test data (Sensor on Separate 0mm 100%RB) DSI1 |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left side                                                               | 20  | QPSK 100_0 | 20850/2510     | 1:1        | 8.270          | 2.850           | -0.11            | 19.24                | 19.50              | 1.062         | 3.026                 | 22.3             |
| Product specific 10g SAR Test data (Sensor off 1RB) DSI6                |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left side with 19mm                                                     | 20  | QPSK 1_99  | 20850/2510     | 1:1        | 0.648          | 0.348           | 0.08             | 23.42                | 24.50              | 1.282         | 0.446                 | 22.3             |
| Product specific 10g SAR Test data (Sensor off 50%RB) DSI6              |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left side with 19mm                                                     | 20  | QPSK 50_0  | 20850/2510     | 1:1        | 0.633          | 0.325           | 0.07             | 22.54                | 23.50              | 1.247         | 0.405                 | 22.3             |
| Ant 5 Test Record                                                       |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position                                                           | BW. | Test mode  | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-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) DSI4                                               |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                                              | 20  | QPSK 1_99  | 21100/2535     | 1:1        | 0.528          | 0.315           | -0.13            | 24.17                | 25.00              | 1.211         | 0.639                 | 22.1             |
| Left tilted                                                             | 20  | QPSK 1_99  | 21100/2535     | 1:1        | 0.179          | 0.094           | 0.16             | 24.17                | 25.00              | 1.211         | 0.217                 | 22.1             |
| Right cheek                                                             | 20  | QPSK 1_99  | 21100/2535     | 1:1        | 0.317          | 0.169           | 0.04             | 24.17                | 25.00              | 1.211         | 0.384                 | 22.1             |
| Right tilted                                                            | 20  | QPSK 1_99  | 21100/2535     | 1:1        | 0.298          | 0.154           | 0.19             | 24.17                | 25.00              | 1.211         | 0.361                 | 22.1             |
| Left cheek                                                              | 20  | QPSK 1_0   | 20850/2510     | 1:1        | 0.634          | 0.346           | 0.03             | 24.14                | 25.00              | 1.219         | 0.773                 | 22.1             |
| Left cheek                                                              | 20  | QPSK 1_99  | 21350/2560     | 1:1        | 0.377          | 0.188           | 0.03             | 24.12                | 25.00              | 1.225         | 0.462                 | 22.1             |
| Head Test Data (50%RB) DSI4                                             |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                                              | 20  | QPSK 50_25 | 21350/2560     | 1:1        | 0.425          | 0.212           | -0.18            | 22.71                | 24.00              | 1.346         | 0.572                 | 22.1             |
| Left tilted                                                             | 20  | QPSK 50_25 | 21350/2560     | 1:1        | 0.175          | 0.092           | -0.07            | 22.71                | 24.00              | 1.346         | 0.236                 | 22.1             |
| Right cheek                                                             | 20  | QPSK 50_25 | 21350/2560     | 1:1        | 0.312          | 0.165           | -0.12            | 22.71                | 24.00              | 1.346         | 0.420                 | 22.1             |
| Right tilted                                                            | 20  | QPSK 50_25 | 21350/2560     | 1:1        | 0.295          | 0.156           | 0.06             | 22.71                | 24.00              | 1.346         | 0.397                 | 22.1             |
| Left cheek                                                              | 20  | QPSK 50_25 | 20850/2510     | 1:1        | 0.523          | 0.335           | 0.14             | 22.68                | 24.00              | 1.355         | 0.709                 | 22.1             |
| Left cheek                                                              | 20  | QPSK 50_25 | 21100/2535     | 1:1        | 0.522          | 0.312           | -0.05            | 22.65                | 24.00              | 1.365         | 0.712                 | 22.1             |
| Body worn&Hotspot Test data (Separate 10mm 1RB) DSI6                    |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                                              | 20  | QPSK 1_99  | 21100/2535     | 1:1        | 0.626          | 0.325           | 0.15             | 24.17                | 25.00              | 1.211         | 0.758                 | 22.4             |
| Back side                                                               | 20  | QPSK 1_99  | 21100/2535     | 1:1        | 0.701          | 0.393           | -0.08            | 24.17                | 25.00              | 1.211         | 0.849                 | 22.4             |
| Left side                                                               | 20  | QPSK 1_99  | 21100/2535     | 1:1        | 0.686          | 0.339           | -0.14            | 24.17                | 25.00              | 1.211         | 0.830                 | 22.4             |



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|                                                         |    |            |            |     |       |       |       |       |       |       |       |      |
|---------------------------------------------------------|----|------------|------------|-----|-------|-------|-------|-------|-------|-------|-------|------|
| Bottom side                                             | 20 | QPSK 1_99  | 21100/2535 | 1:1 | 0.218 | 0.117 | 0.05  | 24.17 | 25.00 | 1.211 | 0.264 | 22.4 |
| Back side                                               | 20 | QPSK 1_0   | 20850/2510 | 1:1 | 0.512 | 0.267 | 0.13  | 24.14 | 25.00 | 1.219 | 0.624 | 22.4 |
| Back side                                               | 20 | QPSK 1_99  | 21350/2560 | 1:1 | 0.556 | 0.296 | -0.18 | 24.12 | 25.00 | 1.225 | 0.681 | 22.4 |
| Left side                                               | 20 | QPSK 1_0   | 20850/2510 | 1:1 | 0.521 | 0.265 | -0.14 | 24.14 | 25.00 | 1.219 | 0.635 | 22.4 |
| Left side                                               | 20 | QPSK 1_99  | 21350/2560 | 1:1 | 0.487 | 0.244 | -0.19 | 24.12 | 25.00 | 1.225 | 0.596 | 22.4 |
| Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI6  |    |            |            |     |       |       |       |       |       |       |       |      |
| Front side                                              | 20 | QPSK 50_25 | 21350/2560 | 1:1 | 0.494 | 0.263 | 0.01  | 22.71 | 24.00 | 1.346 | 0.665 | 22.4 |
| Back side                                               | 20 | QPSK 50_25 | 21350/2560 | 1:1 | 0.595 | 0.312 | 0.09  | 22.71 | 24.00 | 1.346 | 0.801 | 22.4 |
| Left side                                               | 20 | QPSK 50_25 | 21350/2560 | 1:1 | 0.605 | 0.303 | 0.08  | 22.71 | 24.00 | 1.346 | 0.814 | 22.4 |
| Bottom side                                             | 20 | QPSK 50_25 | 21350/2560 | 1:1 | 0.170 | 0.091 | 0.18  | 22.71 | 24.00 | 1.346 | 0.229 | 22.4 |
| Back side                                               | 20 | QPSK 50_25 | 20850/2510 | 1:1 | 0.397 | 0.214 | 0.00  | 22.68 | 24.00 | 1.355 | 0.538 | 22.4 |
| Back side                                               | 20 | QPSK 50_25 | 21100/2535 | 1:1 | 0.545 | 0.282 | -0.11 | 22.65 | 24.00 | 1.365 | 0.744 | 22.4 |
| Left side                                               | 20 | QPSK 50_25 | 20850/2510 | 1:1 | 0.395 | 0.198 | 0.10  | 22.68 | 24.00 | 1.355 | 0.535 | 22.4 |
| Left side                                               | 20 | QPSK 50_25 | 21100/2535 | 1:1 | 0.456 | 0.229 | 0.17  | 22.65 | 24.00 | 1.365 | 0.622 | 22.4 |
| Body worn&Hotspot Test data (Separate 10mm 100%RB) DSI6 |    |            |            |     |       |       |       |       |       |       |       |      |
| Back side                                               | 20 | QPSK 100_0 | 20850/2510 | 1:1 | 0.402 | 0.216 | -0.09 | 22.68 | 24.00 | 1.355 | 0.545 | 22.4 |
| Left side                                               | 20 | QPSK 100_0 | 20850/2510 | 1:1 | 0.426 | 0.215 | 0.11  | 22.68 | 24.00 | 1.355 | 0.577 | 22.4 |

| Test Position       | Channel/<br>Frequency<br>(MHz) | Measured SAR (1g) | 1 <sup>st</sup> Repeated | Ratio | 2 <sup>nd</sup> Repeated | 3 <sup>rd</sup> Repeated |
|---------------------|--------------------------------|-------------------|--------------------------|-------|--------------------------|--------------------------|
|                     |                                |                   | SAR (1g)                 |       | SAR (1g)                 | SAR (1g)                 |
| Left side with 19mm | 21350/2560                     | 0.856             | 0.851                    | 1.01  | N/A                      | N/A                      |

Note: 1) When the original highest measured SAR is  $\geq 0.80$  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  $\geq 1.45$  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  $\geq 1.5$  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.

| Test Position | Channel/<br>Frequency<br>(MHz) | Measured SAR<br>(10g) | 1 <sup>st</sup> Repeated | Ratio | 2 <sup>nd</sup> Repeated | 3 <sup>rd</sup> Repeated |
|---------------|--------------------------------|-----------------------|--------------------------|-------|--------------------------|--------------------------|
|               |                                |                       | SAR (10g)                |       | SAR (1g)                 | SAR (1g)                 |
| Left side     | 21350/2560                     | 2.930                 | 2.930                    | 1.00  | N/A                      | N/A                      |

Note: 1) When the original highest measured SAR is  $\geq 0.80$  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  $\geq 1.45$  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  $\geq 1.5$  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.

(for original report SZCR241000381012)



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| LTE Band 7 SAR Test Record                                             |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
|------------------------------------------------------------------------|-----|------------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Ant 2 Test Record                                                      |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position                                                          | BW. | Test mode  | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-g | Power drift (dB) | Conducted Power(dBm) | Tune up Limit(dBm) | Scaled factor | Scaled SAR 1-g (W/kg) | Liquid Temp.(°C) |
| Body worn&Hotspot Test data 1RB Sensor off DSI6                        |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left side with 19mm                                                    | 20  | QPSK 1_99  | 21350/2560     | 1:1        | 0.848          | 0.439           | -0.08            | 23.38                | 24.50              | 1.294         | 1.097                 | 21.9             |
| Test position                                                          | BW. | Test mode  | Test Ch./Freq. | Duty Cycle | SAR (W/kg)1-g  | 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 (Sensor on Separate 0mm 50%RB) DSI1 |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left side                                                              | 20  | QPSK 50_25 | 21350/2560     | 1:1        | 6.300          | 2.140           | -0.03            | 19.17                | 19.50              | 1.079         | 2.309                 | 21.9             |

(for new report SZCR250400159712)



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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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SZSAR-TRF-01 Rev. A/0 May15,2023

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## 9.2.7 SAR Result of LTE Band 12

| LTE Band 12 SAR Test Record                            |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
|--------------------------------------------------------|-----|------------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Ant 1 Test Record                                      |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position                                          | BW. | Test mode  | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-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) DSI4                              |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                             | 10  | QPSK 1_25  | 23130/711      | 1:1        | 0.754          | 0.445           | -0.03            | 21.92                | 23.00              | 1.282         | 0.967                 | 22.1             |
| Left tilted                                            | 10  | QPSK 1_25  | 23130/711      | 1:1        | 0.603          | 0.347           | -0.09            | 21.92                | 23.00              | 1.282         | 0.773                 | 22.1             |
| Right cheek                                            | 10  | QPSK 1_25  | 23130/711      | 1:1        | 0.816          | 0.519           | -0.02            | 21.92                | 23.00              | 1.282         | 1.046                 | 22.1             |
| Right tilted                                           | 10  | QPSK 1_25  | 23130/711      | 1:1        | 0.556          | 0.334           | 0.04             | 21.92                | 23.00              | 1.282         | 0.713                 | 22.1             |
| Left cheek                                             | 10  | QPSK 1_25  | 23060/704      | 1:1        | 0.756          | 0.457           | -0.12            | 21.90                | 23.00              | 1.288         | 0.974                 | 22.1             |
| Left cheek                                             | 10  | QPSK 1_25  | 23095/707.5    | 1:1        | 0.672          | 0.428           | 0.16             | 21.86                | 23.00              | 1.300         | 0.874                 | 22.1             |
| Right cheek                                            | 10  | QPSK 1_25  | 23060/704      | 1:1        | 0.889          | 0.538           | 0.01             | 21.90                | 23.00              | 1.288         | <b>1.145</b>          | 22.1             |
| Right cheek                                            | 10  | QPSK 1_25  | 23095/707.5    | 1:1        | 0.790          | 0.503           | -0.15            | 21.86                | 23.00              | 1.300         | 1.027                 | 22.1             |
| Right cheek with Repeat                                | 10  | QPSK 1_25  | 23060/704      | 1:1        | 0.884          | 0.537           | 0.03             | 21.90                | 23.00              | 1.288         | 1.139                 | 22.1             |
| Head Test Data (50%RB) DSI4                            |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                             | 10  | QPSK 25_25 | 23060/704      | 1:1        | 0.737          | 0.433           | 0.19             | 21.97                | 23.00              | 1.268         | 0.934                 | 22.1             |
| Left tilted                                            | 10  | QPSK 25_25 | 23060/704      | 1:1        | 0.605          | 0.348           | 0.13             | 21.97                | 23.00              | 1.268         | 0.767                 | 22.1             |
| Right cheek                                            | 10  | QPSK 25_25 | 23060/704      | 1:1        | 0.742          | 0.471           | 0.00             | 21.97                | 23.00              | 1.268         | 0.941                 | 22.1             |
| Right tilted                                           | 10  | QPSK 25_25 | 23060/704      | 1:1        | 0.505          | 0.306           | -0.08            | 21.97                | 23.00              | 1.268         | 0.640                 | 22.1             |
| Left cheek                                             | 10  | QPSK 25_13 | 23095/707.5    | 1:1        | 0.718          | 0.434           | -0.17            | 21.94                | 23.00              | 1.276         | 0.916                 | 22.1             |
| Left cheek                                             | 10  | QPSK 25_13 | 23130/711      | 1:1        | 0.638          | 0.407           | -0.11            | 21.96                | 23.00              | 1.271         | 0.811                 | 22.1             |
| Right cheek                                            | 10  | QPSK 25_13 | 23095/707.5    | 1:1        | 0.845          | 0.511           | -0.14            | 21.94                | 23.00              | 1.276         | 1.079                 | 22.1             |
| Right cheek                                            | 10  | QPSK 25_13 | 23130/711      | 1:1        | 0.751          | 0.478           | -0.19            | 21.96                | 23.00              | 1.271         | 0.954                 | 22.1             |
| Head Test Data (50%RB) DSI4                            |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                             | 10  | QPSK 50_0  | 23060/704      | 1:1        | 0.728          | 0.426           | 0.19             | 21.99                | 23.00              | 1.262         | 0.919                 | 22.1             |
| Right cheek                                            | 10  | QPSK 50_0  | 23060/704      | 1:1        | 0.842          | 0.501           | -0.02            | 21.99                | 23.00              | 1.262         | 1.062                 | 22.1             |
| Body worn&Hotspot Test data (Separate 10mm 1RB) DSI6   |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                             | 10  | QPSK 1_25  | 23130/711      | 1:1        | 0.412          | 0.284           | -0.17            | 24.46                | 25.00              | 1.132         | 0.467                 | 22.3             |
| Back side                                              | 10  | QPSK 1_25  | 23130/711      | 1:1        | 0.443          | 0.297           | 0.13             | 24.46                | 25.00              | 1.132         | 0.502                 | 22.3             |
| Left side                                              | 10  | QPSK 1_25  | 23130/711      | 1:1        | 0.144          | 0.097           | 0.17             | 24.46                | 25.00              | 1.132         | 0.163                 | 22.3             |
| Right side                                             | 10  | QPSK 1_25  | 23130/711      | 1:1        | 0.287          | 0.195           | -0.18            | 24.46                | 25.00              | 1.132         | 0.325                 | 22.3             |
| Top side                                               | 10  | QPSK 1_25  | 23130/711      | 1:1        | 0.322          | 0.153           | -0.15            | 24.46                | 25.00              | 1.132         | 0.365                 | 22.3             |
| Back side                                              | 10  | QPSK 1_25  | 23060/704      | 1:1        | 0.406          | 0.277           | -0.13            | 24.42                | 25.00              | 1.143         | 0.464                 | 22.3             |
| Back side                                              | 10  | QPSK 1_49  | 23095/707.5    | 1:1        | 0.503          | 0.371           | -0.07            | 24.37                | 25.00              | 1.156         | <b>0.582</b>          | 22.3             |
| Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI6 |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                             | 10  | QPSK 25_25 | 23060/704      | 1:1        | 0.347          | 0.233           | 0.02             | 23.49                | 24.00              | 1.125         | 0.390                 | 22.3             |
| Back side                                              | 10  | QPSK 25_25 | 23060/704      | 1:1        | 0.333          | 0.227           | -0.13            | 23.49                | 24.00              | 1.125         | 0.374                 | 22.3             |
| Left side                                              | 10  | QPSK 25_25 | 23060/704      | 1:1        | 0.110          | 0.074           | 0.18             | 23.49                | 24.00              | 1.125         | 0.124                 | 22.3             |
| Right side                                             | 10  | QPSK 25_25 | 23060/704      | 1:1        | 0.209          | 0.141           | 0.18             | 23.49                | 24.00              | 1.125         | 0.235                 | 22.3             |
| Top side                                               | 10  | QPSK 25_25 | 23060/704      | 1:1        | 0.227          | 0.117           | -0.16            | 23.49                | 24.00              | 1.125         | 0.255                 | 22.3             |



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| Test Position | Channel/<br>Frequency | Measured SAR<br>(1g) | 1 <sup>st</sup> Repeated | Ratio | 2 <sup>nd</sup><br>Repeated | 3 <sup>rd</sup><br>Repeated |
|---------------|-----------------------|----------------------|--------------------------|-------|-----------------------------|-----------------------------|
|               | (MHz)                 |                      | SAR (1g)                 |       | SAR (1g)                    | SAR (1g)                    |
| Right cheek   | 23060/704             | 0.889                | 0.884                    | 1.01  | N/A                         | N/A                         |

Note: 1) When the original highest measured SAR is  $\geq 0.80$  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  $\geq 1.45$  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  $\geq 1.5$  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.

(for original report SZCR241000381012)



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## 9.2.8 SAR Result of LTE Band 13

| LTE Band 13 SAR Test Record                            |     |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
|--------------------------------------------------------|-----|-----------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Ant 1 Test Record                                      |     |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position                                          | BW. | Test mode | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-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) DSI4                              |     |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                             | 10  | QPSK 1_0  | 23230/782      | 1:1        | 0.634          | 0.381           | 0.16             | 22.56                | 23.50              | 1.242         | 0.787                 | 22.1             |
| Left tilted                                            | 10  | QPSK 1_0  | 23230/782      | 1:1        | 0.509          | 0.300           | 0.04             | 22.56                | 23.50              | 1.242         | 0.632                 | 22.1             |
| Right cheek                                            | 10  | QPSK 1_0  | 23230/782      | 1:1        | 0.960          | 0.566           | -0.01            | 22.56                | 23.50              | 1.242         | <b>1.192</b>          | 22.1             |
| Right tilted                                           | 10  | QPSK 1_0  | 23230/782      | 1:1        | 0.539          | 0.325           | 0.07             | 22.56                | 23.50              | 1.242         | 0.669                 | 22.1             |
| Right cheek with Repeat                                | 10  | QPSK 1_0  | 23230/782      | 1:1        | 0.944          | 0.559           | -0.14            | 22.56                | 23.50              | 1.242         | 1.172                 | 22.1             |
| Head Test Data (50%RB) DSI4                            |     |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                             | 10  | QPSK 25_0 | 23230/782      | 1:1        | 0.632          | 0.364           | 0.16             | 22.49                | 23.50              | 1.262         | 0.797                 | 22.1             |
| Left tilted                                            | 10  | QPSK 25_0 | 23230/782      | 1:1        | 0.473          | 0.278           | 0.11             | 22.49                | 23.50              | 1.262         | 0.597                 | 22.1             |
| Right cheek                                            | 10  | QPSK 25_0 | 23230/782      | 1:1        | 0.835          | 0.533           | 0.14             | 22.49                | 23.50              | 1.262         | 1.054                 | 22.1             |
| Right tilted                                           | 10  | QPSK 25_0 | 23230/782      | 1:1        | 0.455          | 0.277           | -0.09            | 22.49                | 23.50              | 1.262         | 0.574                 | 22.1             |
| Head Test Data (100%RB) DSI4                           |     |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Right cheek                                            | 10  | QPSK 50_0 | 23230/782      | 1:1        | 0.802          | 0.502           | -0.05            | 22.31                | 23.50              | 1.315         | 1.055                 | 22.1             |
| Body worn&Hotspot Test data (Separate 10mm 1RB) DSI6   |     |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                             | 10  | QPSK 1_0  | 23230/782      | 1:1        | 0.644          | 0.393           | 0.07             | 24.38                | 25.00              | 1.153         | <b>0.743</b>          | 22.3             |
| Back side                                              | 10  | QPSK 1_0  | 23230/782      | 1:1        | 0.456          | 0.306           | -0.12            | 24.38                | 25.00              | 1.153         | 0.526                 | 22.3             |
| Left side                                              | 10  | QPSK 1_0  | 23230/782      | 1:1        | 0.085          | 0.049           | 0.08             | 24.38                | 25.00              | 1.153         | 0.098                 | 22.3             |
| Right side                                             | 10  | QPSK 1_0  | 23230/782      | 1:1        | 0.200          | 0.134           | -0.02            | 24.38                | 25.00              | 1.153         | 0.231                 | 22.3             |
| Top side                                               | 10  | QPSK 1_0  | 23230/782      | 1:1        | 0.295          | 0.154           | 0.00             | 24.38                | 25.00              | 1.153         | 0.340                 | 22.3             |
| Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI6 |     |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                             | 10  | QPSK 25_0 | 23230/782      | 1:1        | 0.394          | 0.254           | 0.16             | 23.33                | 24.00              | 1.167         | 0.460                 | 22.3             |
| Back side                                              | 10  | QPSK 25_0 | 23230/782      | 1:1        | 0.378          | 0.252           | 0.00             | 23.33                | 24.00              | 1.167         | 0.441                 | 22.3             |
| Left side                                              | 10  | QPSK 25_0 | 23230/782      | 1:1        | 0.073          | 0.041           | -0.16            | 23.33                | 24.00              | 1.167         | 0.085                 | 22.3             |
| Right side                                             | 10  | QPSK 25_0 | 23230/782      | 1:1        | 0.183          | 0.124           | -0.11            | 23.33                | 24.00              | 1.167         | 0.214                 | 22.3             |
| Top side                                               | 10  | QPSK 25_0 | 23230/782      | 1:1        | 0.263          | 0.121           | -0.11            | 23.33                | 24.00              | 1.167         | 0.307                 | 22.3             |

| Test Position | Channel/<br>Frequency | Measured SAR<br>(1g) | 1 <sup>st</sup> Repeated | Ratio | 2 <sup>nd</sup> Repeated | 3 <sup>rd</sup> Repeated |
|---------------|-----------------------|----------------------|--------------------------|-------|--------------------------|--------------------------|
|               | (MHz)                 |                      | SAR (1g)                 |       | SAR (1g)                 | SAR (1g)                 |
| Right cheek   | 23230/782             | 0.960                | 0.944                    | 1.02  | N/A                      | N/A                      |

Note: 1) When the original highest measured SAR is  $\geq 0.80$  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  $\geq 1.45$  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  $\geq 1.5$  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.

(for original report SZCR241000381012)



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| LTE Band 13 SAR Test Record |    |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
|-----------------------------|----|-----------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Ant 1 Test Record           |    |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position               | BW | Test mode | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-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) DSI4   |    |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Right cheek                 | 10 | QPSK 1_0  | 23230/782      | 1:1        | 0.868          | 0.488           | 0.02             | 22.56                | 23.50              | 1.242         | <b>1.078</b>          | 21.9             |

(for new report SZCR250400159712)



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## 9.2.9 SAR Result of LTE Band 14

| LTE Band 14 SAR Test Record                            |    |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
|--------------------------------------------------------|----|-----------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Ant 1 Test Record                                      |    |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position                                          | BW | Test mode | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-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) DSI4                              |    |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                             | 10 | QPSK 1_0  | 23330/793      | 1:1        | 0.785          | 0.512           | -0.15            | 22.55                | 23.50              | 1.245         | 0.977                 | 22.1             |
| Left tilted                                            | 10 | QPSK 1_0  | 23330/793      | 1:1        | 0.658          | 0.394           | -0.04            | 22.55                | 23.50              | 1.245         | 0.819                 | 22.1             |
| Right cheek                                            | 10 | QPSK 1_0  | 23330/793      | 1:1        | 0.955          | 0.544           | 0.10             | 22.55                | 23.50              | 1.245         | <b>1.189</b>          | 22.1             |
| Right tilted                                           | 10 | QPSK 1_0  | 23330/793      | 1:1        | 0.649          | 0.397           | -0.03            | 22.55                | 23.50              | 1.245         | 0.808                 | 22.1             |
| Right cheek with Repeat                                | 10 | QPSK 1_0  | 23330/793      | 1:1        | 0.952          | 0.544           | 0.00             | 22.55                | 23.50              | 1.245         | 1.185                 | 22.1             |
| Head Test Data (50%RB) DSI4                            |    |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                             | 10 | QPSK 25_0 | 23330/793      | 1:1        | 0.653          | 0.389           | 0.06             | 22.22                | 23.50              | 1.343         | 0.877                 | 22.1             |
| Left tilted                                            | 10 | QPSK 25_0 | 23330/793      | 1:1        | 0.530          | 0.307           | -0.04            | 22.22                | 23.50              | 1.343         | 0.712                 | 22.1             |
| Right cheek                                            | 10 | QPSK 25_0 | 23330/793      | 1:1        | 0.770          | 0.492           | -0.03            | 22.22                | 23.50              | 1.343         | 1.034                 | 22.1             |
| Right tilted                                           | 10 | QPSK 25_0 | 23330/793      | 1:1        | 0.545          | 0.330           | 0.19             | 22.22                | 23.50              | 1.343         | 0.732                 | 22.1             |
| Head Test Data (100%RB) DSI4                           |    |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                             | 10 | QPSK 50_0 | 23330/793      | 1:1        | 0.653          | 0.388           | 0.19             | 22.19                | 23.50              | 1.352         | 0.883                 | 22.1             |
| Left tilted                                            | 10 | QPSK 50_0 | 23330/793      | 1:1        | 0.564          | 0.321           | -0.18            | 22.19                | 23.50              | 1.352         | 0.763                 | 22.1             |
| Right cheek                                            | 10 | QPSK 50_0 | 23330/793      | 1:1        | 0.781          | 0.492           | 0.15             | 22.19                | 23.50              | 1.352         | 1.056                 | 22.1             |
| Right tilted                                           | 10 | QPSK 50_0 | 23330/793      | 1:1        | 0.551          | 0.348           | 0.19             | 22.19                | 23.50              | 1.352         | 0.745                 | 22.1             |
| Body worn&Hotspot Test data (Separate 10mm 1RB) DSI6   |    |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                             | 10 | QPSK 1_0  | 23330/793      | 1:1        | 0.448          | 0.278           | -0.09            | 24.33                | 25.00              | 1.167         | 0.523                 | 22.3             |
| Back side                                              | 10 | QPSK 1_0  | 23330/793      | 1:1        | 0.585          | 0.418           | 0.00             | 24.33                | 25.00              | 1.167         | <b>0.683</b>          | 22.3             |
| Left side                                              | 10 | QPSK 1_0  | 23330/793      | 1:1        | 0.081          | 0.045           | -0.10            | 24.33                | 25.00              | 1.167         | 0.095                 | 22.3             |
| Right side                                             | 10 | QPSK 1_0  | 23330/793      | 1:1        | 0.219          | 0.144           | 0.05             | 24.33                | 25.00              | 1.167         | 0.256                 | 22.3             |
| Top side                                               | 10 | QPSK 1_0  | 23330/793      | 1:1        | 0.296          | 0.137           | 0.18             | 24.33                | 25.00              | 1.167         | 0.345                 | 22.3             |
| Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI6 |    |           |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                             | 10 | QPSK 25_0 | 23330/793      | 1:1        | 0.355          | 0.229           | 0.12             | 23.23                | 24.00              | 1.194         | 0.424                 | 22.3             |
| Back side                                              | 10 | QPSK 25_0 | 23330/793      | 1:1        | 0.361          | 0.238           | 0.17             | 23.23                | 24.00              | 1.194         | 0.431                 | 22.3             |
| Left side                                              | 10 | QPSK 25_0 | 23330/793      | 1:1        | 0.065          | 0.036           | -0.13            | 23.23                | 24.00              | 1.194         | 0.078                 | 22.3             |
| Right side                                             | 10 | QPSK 25_0 | 23330/793      | 1:1        | 0.184          | 0.124           | 0.18             | 23.23                | 24.00              | 1.194         | 0.220                 | 22.3             |
| Top side                                               | 10 | QPSK 25_0 | 23330/793      | 1:1        | 0.229          | 0.114           | 0.16             | 23.23                | 24.00              | 1.194         | 0.273                 | 22.3             |



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# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZSAR-TRF-01 Rev. A/0 May15,2023

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| Test Position | Channel/<br>Frequency | Measured SAR<br>(1g) | 1 <sup>st</sup> Repeated | Ratio | 2 <sup>nd</sup> Repeated | 3 <sup>rd</sup> Repeated |
|---------------|-----------------------|----------------------|--------------------------|-------|--------------------------|--------------------------|
|               | (MHz)                 |                      | SAR (1g)                 |       | SAR (1g)                 | SAR (1g)                 |
| Right cheek   | 23330/793             | 0.955                | 0.952                    | 1.01  | N/A                      | N/A                      |

Note: 1) When the original highest measured SAR is  $\geq 0.80$  W/kg, the measurement was repeated once.  
 2) A second repeated measurement was preformed 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  $\geq 1.45$  W/kg ( $\sim 10\%$  from the 1-g SAR limit).  
 3) A third repeated measurement was preformed only if the original, first or second repeated measurement was  $\geq 1.5$  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.

(for original report SZCR241000381012)



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## 9.2.10 SAR Result of LTE Band 25

| LTE Band 25 SAR Test Record                            |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
|--------------------------------------------------------|-----|------------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Ant 2 Test Record                                      |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position                                          | BW. | Test mode  | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-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) DSI4                              |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                             | 20  | QPSK 1_50  | 26365/1882.5   | 1:1        | 0.242          | 0.165           | 0.18             | 18.57                | 19.50              | 1.239         | 0.300                 | 22.1             |
| Left tilted                                            | 20  | QPSK 1_50  | 26365/1882.5   | 1:1        | 0.229          | 0.141           | 0.16             | 18.57                | 19.50              | 1.239         | 0.284                 | 22.1             |
| Right cheek                                            | 20  | QPSK 1_50  | 26365/1882.5   | 1:1        | 0.655          | 0.375           | -0.01            | 18.57                | 19.50              | 1.239         | 0.811                 | 22.1             |
| Right tilted                                           | 20  | QPSK 1_50  | 26365/1882.5   | 1:1        | 0.275          | 0.172           | -0.15            | 18.57                | 19.50              | 1.239         | 0.341                 | 22.1             |
| Right cheek                                            | 20  | QPSK 1_50  | 26140/1860     | 1:1        | 0.623          | 0.363           | 0.01             | 18.17                | 19.50              | 1.199         | 0.747                 | 22.1             |
| Right cheek                                            | 20  | QPSK 1_99  | 26590/1905     | 1:1        | 0.644          | 0.363           | 0.01             | 18.22                | 19.50              | 1.343         | 0.865                 | 22.1             |
| Head Test Data (50%RB) DSI4                            |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                             | 20  | QPSK 50_25 | 26140/1860     | 1:1        | 0.260          | 0.175           | -0.16            | 18.26                | 19.50              | 1.330         | 0.346                 | 22.1             |
| Left tilted                                            | 20  | QPSK 50_25 | 26140/1860     | 1:1        | 0.232          | 0.144           | 0.04             | 18.26                | 19.50              | 1.330         | 0.309                 | 22.1             |
| Right cheek                                            | 20  | QPSK 50_25 | 26140/1860     | 1:1        | 0.612          | 0.360           | 0.00             | 18.26                | 19.50              | 1.330         | 0.814                 | 22.1             |
| Right tilted                                           | 20  | QPSK 50_25 | 26140/1860     | 1:1        | 0.298          | 0.184           | 0.07             | 18.26                | 19.50              | 1.330         | 0.396                 | 22.1             |
| Right cheek                                            | 20  | QPSK 50_50 | 26365/1882.5   | 1:1        | 0.605          | 0.348           | 0.11             | 18.25                | 19.50              | 1.334         | 0.807                 | 22.1             |
| Right cheek                                            | 20  | QPSK 50_25 | 26590/1905     | 1:1        | 0.624          | 0.362           | 0.03             | 18.26                | 19.50              | 1.330         | 0.830                 | 22.1             |
| Head Test Data (100%RB) DSI4                           |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Right cheek                                            | 20  | QPSK 100_0 | 26590/1905     | 1:1        | 0.635          | 0.368           | 0.19             | 18.29                | 19.50              | 1.321         | 0.839                 | 22.1             |
| Body worn&Hotspot Test data (Separate 10mm 1RB) DSI6   |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                             | 20  | QPSK 1_99  | 26140/1860     | 1:1        | 0.385          | 0.242           | -0.14            | 23.46                | 25.00              | 1.426         | 0.549                 | 22.3             |
| Back side                                              | 20  | QPSK 1_99  | 26140/1860     | 1:1        | 0.392          | 0.244           | 0.19             | 23.46                | 25.00              | 1.426         | 0.559                 | 22.3             |
| Left side                                              | 20  | QPSK 1_99  | 26140/1860     | 1:1        | 0.333          | 0.183           | 0.03             | 23.46                | 25.00              | 1.426         | 0.475                 | 22.3             |
| Top side                                               | 20  | QPSK 1_99  | 26140/1860     | 1:1        | 0.312          | 0.179           | 0.03             | 23.46                | 25.00              | 1.426         | 0.445                 | 22.3             |
| Back side                                              | 20  | QPSK 1_50  | 26365/1882.5   | 1:1        | 0.419          | 0.257           | 0.10             | 23.37                | 25.00              | 1.455         | 0.610                 | 22.3             |
| Back side                                              | 20  | QPSK 1_50  | 26590/1905     | 1:1        | 0.423          | 0.255           | 0.16             | 23.41                | 25.00              | 1.442         | 0.610                 | 22.3             |
| Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI6 |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                             | 20  | QPSK 50_25 | 26140/1860     | 1:1        | 0.316          | 0.199           | -0.07            | 22.40                | 24.00              | 1.445         | 0.457                 | 22.3             |
| Back side                                              | 20  | QPSK 50_25 | 26140/1860     | 1:1        | 0.338          | 0.210           | 0.08             | 22.40                | 24.00              | 1.445         | 0.489                 | 22.3             |
| Left side                                              | 20  | QPSK 50_25 | 26140/1860     | 1:1        | 0.259          | 0.146           | -0.03            | 22.40                | 24.00              | 1.445         | 0.374                 | 22.3             |
| Top side                                               | 20  | QPSK 50_25 | 26140/1860     | 1:1        | 0.276          | 0.158           | -0.19            | 22.40                | 24.00              | 1.445         | 0.399                 | 22.3             |
| Back side                                              | 20  | QPSK 50_50 | 26365/1882.5   | 1:1        | 0.340          | 0.212           | 0.12             | 22.40                | 24.00              | 1.445         | 0.491                 | 22.3             |
| Back side                                              | 20  | QPSK 50_50 | 26590/1905     | 1:1        | 0.333          | 0.206           | -0.10            | 22.30                | 24.00              | 1.479         | 0.493                 | 22.3             |
| Ant 5 Test Record                                      |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position                                          | BW. | Test mode  | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-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) DSI4                              |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                             | 20  | QPSK 1_50  | 26365/1882.5   | 1:1        | 0.358          | 0.213           | 0.12             | 22.80                | 24.00              | 1.318         | 0.472                 | 22.1             |
| Left tilted                                            | 20  | QPSK 1_50  | 26365/1882.5   | 1:1        | 0.132          | 0.086           | 0.14             | 22.80                | 24.00              | 1.318         | 0.174                 | 22.1             |
| Right cheek                                            | 20  | QPSK 1_50  | 26365/1882.5   | 1:1        | 0.251          | 0.154           | -0.02            | 22.80                | 24.00              | 1.318         | 0.331                 | 22.1             |



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|                                                        |    |            |              |     |       |       |       |       |       |       |              |      |
|--------------------------------------------------------|----|------------|--------------|-----|-------|-------|-------|-------|-------|-------|--------------|------|
| Right tilted                                           | 20 | QPSK 1_50  | 26365/1882.5 | 1:1 | 0.165 | 0.101 | 0.04  | 22.80 | 24.00 | 1.318 | 0.218        | 22.1 |
| Left cheek                                             | 20 | QPSK 1_50  | 26140/1860   | 1:1 | 0.345 | 0.205 | 0.05  | 22.80 | 24.00 | 1.318 | 0.455        | 22.1 |
| Left cheek                                             | 20 | QPSK 1_50  | 26590/1905   | 1:1 | 0.490 | 0.284 | -0.01 | 22.72 | 24.00 | 1.343 | 0.658        | 22.1 |
| Head Test Data (50%RB) DSI4                            |    |            |              |     |       |       |       |       |       |       |              |      |
| Left cheek                                             | 20 | QPSK 50_50 | 26140/1860   | 1:1 | 0.253 | 0.150 | 0.17  | 21.59 | 23.00 | 1.384 | 0.350        | 22.1 |
| Left tilted                                            | 20 | QPSK 50_50 | 26140/1860   | 1:1 | 0.088 | 0.058 | 0.10  | 21.59 | 23.00 | 1.384 | 0.122        | 22.1 |
| Right cheek                                            | 20 | QPSK 50_50 | 26140/1860   | 1:1 | 0.171 | 0.106 | -0.11 | 21.59 | 23.00 | 1.384 | 0.237        | 22.1 |
| Right tilted                                           | 20 | QPSK 50_50 | 26140/1860   | 1:1 | 0.104 | 0.064 | -0.17 | 21.59 | 23.00 | 1.384 | 0.144        | 22.1 |
| Left cheek                                             | 20 | QPSK 50_50 | 26365/1882.5 | 1:1 | 0.342 | 0.201 | -0.14 | 21.55 | 23.00 | 1.396 | 0.478        | 22.1 |
| Left cheek                                             | 20 | QPSK 50_50 | 26590/1905   | 1:1 | 0.379 | 0.220 | -0.12 | 21.54 | 23.00 | 1.400 | 0.530        | 22.1 |
| Body worn&Hotspot Test data (Separate 10mm 1RB) DSI6   |    |            |              |     |       |       |       |       |       |       |              |      |
| Front side                                             | 20 | QPSK 1_50  | 26365/1882.5 | 1:1 | 0.252 | 0.152 | -0.13 | 22.80 | 24.00 | 1.318 | 0.332        | 22.4 |
| Back side                                              | 20 | QPSK 1_50  | 26365/1882.5 | 1:1 | 0.389 | 0.230 | -0.10 | 22.80 | 24.00 | 1.318 | 0.513        | 22.4 |
| Left side                                              | 20 | QPSK 1_50  | 26365/1882.5 | 1:1 | 0.470 | 0.253 | -0.13 | 22.80 | 24.00 | 1.318 | 0.620        | 22.4 |
| Bottom side                                            | 20 | QPSK 1_50  | 26365/1882.5 | 1:1 | 0.156 | 0.087 | 0.00  | 22.80 | 24.00 | 1.318 | 0.206        | 22.4 |
| Back side                                              | 20 | QPSK 1_50  | 26140/1860   | 1:1 | 0.376 | 0.201 | 0.08  | 22.80 | 24.00 | 1.199 | 0.451        | 22.4 |
| Back side                                              | 20 | QPSK 1_50  | 26590/1905   | 1:1 | 0.393 | 0.237 | 0.05  | 22.72 | 24.00 | 1.343 | 0.528        | 22.4 |
| Left side                                              | 20 | QPSK 1_50  | 26140/1860   | 1:1 | 0.421 | 0.224 | 0.10  | 22.80 | 24.00 | 1.199 | 0.505        | 22.4 |
| Left side                                              | 20 | QPSK 1_50  | 26590/1905   | 1:1 | 0.501 | 0.283 | -0.08 | 22.72 | 24.00 | 1.343 | <b>0.673</b> | 22.4 |
| Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI6 |    |            |              |     |       |       |       |       |       |       |              |      |
| Front side                                             | 20 | QPSK 50_50 | 26140/1860   | 1:1 | 0.212 | 0.127 | 0.13  | 21.59 | 23.00 | 1.384 | 0.293        | 22.4 |
| Back side                                              | 20 | QPSK 50_50 | 26140/1860   | 1:1 | 0.303 | 0.181 | 0.12  | 21.59 | 23.00 | 1.384 | 0.419        | 22.4 |
| Left side                                              | 20 | QPSK 50_50 | 26140/1860   | 1:1 | 0.337 | 0.184 | -0.09 | 21.59 | 23.00 | 1.384 | 0.466        | 22.4 |
| Bottom side                                            | 20 | QPSK 50_50 | 26140/1860   | 1:1 | 0.122 | 0.067 | -0.12 | 21.59 | 23.00 | 1.384 | 0.169        | 22.4 |
| Left side                                              | 20 | QPSK 50_50 | 26365/1882.5 | 1:1 | 0.360 | 0.194 | 0.00  | 21.55 | 23.00 | 1.396 | 0.503        | 22.4 |
| Left side                                              | 20 | QPSK 50_50 | 26590/1905   | 1:1 | 0.384 | 0.207 | -0.16 | 21.54 | 23.00 | 1.400 | 0.537        | 22.4 |

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## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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### 9.2.11 SAR Result of LTE Band 26

| LTE Band 26 SAR Test Record                            |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
|--------------------------------------------------------|-----|------------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Ant 1 Test Record                                      |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position                                          | BW. | Test mode  | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-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) DSI4                              |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                             | 15  | QPSK 1_38  | 26865/831.5    | 1:1        | 0.616          | 0.362           | -0.17            | 23.07                | 24.00              | 1.239         | 0.763                 | 22.1             |
| Left tilted                                            | 15  | QPSK 1_38  | 26865/831.5    | 1:1        | 0.634          | 0.375           | -0.06            | 23.07                | 24.00              | 1.239         | 0.785                 | 22.1             |
| Right cheek                                            | 15  | QPSK 1_38  | 26865/831.5    | 1:1        | 0.903          | 0.569           | 0.12             | 23.07                | 24.00              | 1.239         | 1.119                 | 22.1             |
| Right tilted                                           | 15  | QPSK 1_38  | 26865/831.5    | 1:1        | 0.673          | 0.409           | 0.16             | 23.07                | 24.00              | 1.239         | 0.834                 | 22.1             |
| Left cheek                                             | 15  | QPSK 1_38  | 26765/821.5    | 1:1        | 0.650          | 0.388           | -0.12            | 23.04                | 24.00              | 1.247         | 0.811                 | 22.1             |
| Left cheek                                             | 15  | QPSK 1_0   | 26965/841.5    | 1:1        | 0.600          | 0.378           | 0.09             | 23.02                | 24.00              | 1.253         | 0.752                 | 22.1             |
| Right cheek                                            | 15  | QPSK 1_38  | 26765/821.5    | 1:1        | 0.956          | 0.570           | -0.03            | 23.04                | 24.00              | 1.247         | <b>1.192</b>          | 22.1             |
| Right cheek                                            | 15  | QPSK 1_0   | 26965/841.5    | 1:1        | 0.882          | 0.556           | -0.16            | 23.02                | 24.00              | 1.253         | 1.105                 | 22.1             |
| Right cheek with Repeat                                | 15  | QPSK 1_38  | 26765/821.5    | 1:1        | 0.935          | 0.559           | 0.09             | 23.04                | 24.00              | 1.247         | 1.166                 | 22.1             |
| Head Test Data (50%RB) DSI4                            |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                             | 15  | QPSK 36_39 | 26865/831.5    | 1:1        | 0.601          | 0.344           | 0.13             | 23.12                | 24.00              | 1.225         | 0.736                 | 22.1             |
| Left tilted                                            | 15  | QPSK 36_39 | 26865/831.5    | 1:1        | 0.543          | 0.319           | -0.11            | 23.12                | 24.00              | 1.225         | 0.665                 | 22.1             |
| Right cheek                                            | 15  | QPSK 36_39 | 26865/831.5    | 1:1        | 0.763          | 0.482           | -0.13            | 23.12                | 24.00              | 1.225         | 0.934                 | 22.1             |
| Right tilted                                           | 15  | QPSK 36_39 | 26865/831.5    | 1:1        | 0.563          | 0.336           | 0.18             | 23.12                | 24.00              | 1.225         | 0.689                 | 22.1             |
| Left cheek                                             | 15  | QPSK 36_18 | 26765/821.5    | 1:1        | 0.579          | 0.355           | -0.03            | 23.08                | 24.00              | 1.236         | 0.715                 | 22.1             |
| Left cheek                                             | 15  | QPSK 36_39 | 26965/841.5    | 1:1        | 0.541          | 0.334           | 0.04             | 22.95                | 24.00              | 1.274         | 0.689                 | 22.1             |
| Right cheek                                            | 15  | QPSK 36_18 | 26765/821.5    | 1:1        | 0.756          | 0.463           | -0.03            | 23.08                | 24.00              | 1.236         | 0.934                 | 22.1             |
| Right cheek                                            | 15  | QPSK 36_39 | 26965/841.5    | 1:1        | 0.707          | 0.436           | 0.06             | 22.95                | 24.00              | 1.274         | 0.900                 | 22.1             |
| Head Test Data (100%RB) DSI4                           |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                             | 15  | QPSK 75_0  | 26965/841.5    | 1:1        | 0.577          | 0.330           | 0.09             | 23.07                | 24.00              | 1.239         | 0.715                 | 22.1             |
| Right cheek                                            | 15  | QPSK 75_0  | 26965/841.5    | 1:1        | 0.935          | 0.542           | 0.03             | 23.07                | 24.00              | 1.239         | 1.158                 | 22.1             |
| Body worn&Hotspot Test data (Separate 10mm 1RB) DSI6   |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                             | 15  | QPSK 1_0   | 26865/831.5    | 1:1        | 0.598          | 0.369           | -0.01            | 24.20                | 25.00              | 1.202         | 0.719                 | 22.3             |
| Back side                                              | 15  | QPSK 1_0   | 26865/831.5    | 1:1        | 0.516          | 0.317           | -0.08            | 24.20                | 25.00              | 1.202         | 0.620                 | 22.3             |
| Left side                                              | 15  | QPSK 1_0   | 26865/831.5    | 1:1        | 0.099          | 0.057           | -0.04            | 24.20                | 25.00              | 1.202         | 0.119                 | 22.3             |
| Right side                                             | 15  | QPSK 1_0   | 26865/831.5    | 1:1        | 0.225          | 0.150           | 0.02             | 24.20                | 25.00              | 1.202         | 0.271                 | 22.3             |
| Top side                                               | 15  | QPSK 1_0   | 26865/831.5    | 1:1        | 0.355          | 0.182           | 0.11             | 24.20                | 25.00              | 1.202         | 0.427                 | 22.3             |
| Front side                                             | 15  | QPSK 1_38  | 26765/821.5    | 1:1        | 0.577          | 0.364           | -0.07            | 24.11                | 25.00              | 1.227         | 0.708                 | 22.3             |
| Front side                                             | 15  | QPSK 1_38  | 26965/841.5    | 1:1        | 0.744          | 0.467           | 0.04             | 24.13                | 25.00              | 1.222         | <b>0.909</b>          | 22.3             |
| Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI6 |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                             | 15  | QPSK 36_0  | 26865/831.5    | 1:1        | 0.452          | 0.282           | 0.02             | 23.27                | 24.00              | 1.183         | 0.535                 | 22.3             |
| Back side                                              | 15  | QPSK 36_0  | 26865/831.5    | 1:1        | 0.420          | 0.260           | -0.19            | 23.27                | 24.00              | 1.183         | 0.497                 | 22.3             |
| Left side                                              | 15  | QPSK 36_0  | 26865/831.5    | 1:1        | 0.088          | 0.051           | -0.17            | 23.27                | 24.00              | 1.183         | 0.104                 | 22.3             |
| Right side                                             | 15  | QPSK 36_0  | 26865/831.5    | 1:1        | 0.172          | 0.116           | 0.05             | 23.27                | 24.00              | 1.183         | 0.203                 | 22.3             |
| Top side                                               | 15  | QPSK 36_0  | 26865/831.5    | 1:1        | 0.298          | 0.151           | 0.00             | 23.27                | 24.00              | 1.183         | 0.353                 | 22.3             |
| Front side                                             | 15  | QPSK 36_18 | 26765/821.5    | 1:1        | 0.473          | 0.296           | -0.02            | 23.27                | 24.00              | 1.183         | 0.560                 | 22.3             |
| Front side                                             | 15  | QPSK 36_18 | 26965/841.5    | 1:1        | 0.532          | 0.335           | -0.17            | 23.24                | 24.00              | 1.191         | 0.634                 | 22.3             |



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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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| Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI6 |    |           |             |     |       |       |       |       |       |       |       |      |
|--------------------------------------------------------|----|-----------|-------------|-----|-------|-------|-------|-------|-------|-------|-------|------|
| Front side                                             | 15 | QPSK 75_0 | 26765/821.5 | 1:1 | 0.544 | 0.348 | -0.07 | 23.27 | 24.00 | 1.183 | 0.644 | 22.3 |

| Test Position | Channel/<br>Frequency | Measured SAR<br>(1g) | 1 <sup>st</sup> Repeated | Ratio | 2 <sup>nd</sup> Repeated | 3 <sup>rd</sup> Repeated |
|---------------|-----------------------|----------------------|--------------------------|-------|--------------------------|--------------------------|
|               | (MHz)                 |                      | SAR (1g)                 |       | SAR (1g)                 | SAR (1g)                 |
| Right cheek   | 26765/821.5           | 0.956                | 0.935                    | 1.02  | N/A                      | N/A                      |

- Note: 1) When the original highest measured SAR is  $\geq 0.80$  W/kg, the measurement was repeated once.
- 2) A second repeated measurement was preformed 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  $\geq 1.45$  W/kg ( $\sim 10\%$  from the 1-g SAR limit).
- 3) A third repeated measurement was preformed only if the original, first or second repeated measurement was  $\geq 1.5$  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.

(for original report SZCR241000381012)



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## 9.2.12 SAR Result of LTE Band 30

| LTE Band 30 SAR Test Record                             |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
|---------------------------------------------------------|-----|------------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Ant 2 Test Record                                       |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position                                           | BW. | Test mode  | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-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) DSI4                               |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                              | 10  | QPSK 1_25  | 27710/2310     | 1:1        | 0.233          | 0.138           | 0.10             | 18.42                | 19.00              | 1.143         | 0.266                 | 22.1             |
| Left tilted                                             | 10  | QPSK 1_25  | 27710/2310     | 1:1        | 0.224          | 0.117           | -0.17            | 18.42                | 19.00              | 1.143         | 0.256                 | 22.1             |
| Right cheek                                             | 10  | QPSK 1_25  | 27710/2310     | 1:1        | 0.900          | 0.454           | -0.10            | 18.42                | 19.00              | 1.143         | <b>1.029</b>          | 22.1             |
| Right tilted                                            | 10  | QPSK 1_25  | 27710/2310     | 1:1        | 0.515          | 0.253           | 0.12             | 18.42                | 19.00              | 1.143         | 0.589                 | 22.1             |
| Right cheek with Repeat                                 | 10  | QPSK 1_25  | 27710/2310     | 1:1        | 0.895          | 0.448           | -0.19            | 18.42                | 19.00              | 1.143         | 1.023                 | 22.1             |
| Head Test Data (50%RB) DSI4                             |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                              | 10  | QPSK 25_13 | 27710/2310     | 1:1        | 0.177          | 0.108           | 0.07             | 18.35                | 19.00              | 1.161         | 0.206                 | 22.1             |
| Left tilted                                             | 10  | QPSK 25_13 | 27710/2310     | 1:1        | 0.188          | 0.097           | 0.11             | 18.35                | 19.00              | 1.161         | 0.218                 | 22.1             |
| Right cheek                                             | 10  | QPSK 25_13 | 27710/2310     | 1:1        | 0.825          | 0.432           | -0.10            | 18.35                | 19.00              | 1.161         | 0.958                 | 22.1             |
| Right tilted                                            | 10  | QPSK 25_13 | 27710/2310     | 1:1        | 0.389          | 0.196           | 0.18             | 18.35                | 19.00              | 1.161         | 0.452                 | 22.1             |
| Head Test Data (100%RB) DSI4                            |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Right cheek                                             | 10  | QPSK 50_0  | 27710/2310     | 1:1        | 0.835          | 0.439           | 0.01             | 18.31                | 19.00              | 1.172         | 0.979                 | 22.1             |
| Body worn&Hotspot Test data (Separate 10mm 1RB) DSI6    |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                              | 10  | QPSK 1_25  | 27710/2310     | 1:1        | 0.686          | 0.353           | -0.10            | 23.60                | 24.50              | 1.230         | 0.844                 | 22.3             |
| Back side                                               | 10  | QPSK 1_25  | 27710/2310     | 1:1        | 0.751          | 0.379           | -0.04            | 23.60                | 24.50              | 1.230         | <b>0.924</b>          | 22.3             |
| Left side                                               | 10  | QPSK 1_25  | 27710/2310     | 1:1        | 0.489          | 0.248           | 0.19             | 23.60                | 24.50              | 1.230         | 0.602                 | 22.3             |
| Top side                                                | 10  | QPSK 1_25  | 27710/2310     | 1:1        | 0.459          | 0.231           | 0.01             | 23.60                | 24.50              | 1.230         | 0.565                 | 22.3             |
| Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI6  |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                              | 10  | QPSK 25_13 | 27710/2310     | 1:1        | 0.564          | 0.296           | -0.04            | 22.53                | 23.50              | 1.250         | 0.705                 | 22.3             |
| Back side                                               | 10  | QPSK 25_13 | 27710/2310     | 1:1        | 0.587          | 0.294           | -0.10            | 22.53                | 23.50              | 1.250         | 0.734                 | 22.3             |
| Left side                                               | 10  | QPSK 25_13 | 27710/2310     | 1:1        | 0.367          | 0.186           | 0.09             | 22.53                | 23.50              | 1.250         | 0.459                 | 22.3             |
| Top side                                                | 10  | QPSK 25_13 | 27710/2310     | 1:1        | 0.380          | 0.190           | -0.09            | 22.53                | 23.50              | 1.250         | 0.475                 | 22.3             |
| Body worn&Hotspot Test data (Separate 10mm 100%RB) DSI6 |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                              | 10  | QPSK 50_0  | 27710/2310     | 1:1        | 0.544          | 0.282           | 0.08             | 22.59                | 23.50              | 1.233         | 0.671                 | 22.3             |
| Back side                                               | 10  | QPSK 50_0  | 27710/2310     | 1:1        | 0.566          | 0.289           | -0.06            | 22.59                | 23.50              | 1.233         | 0.698                 | 22.3             |

| Test Position | Channel/<br>Frequency | Measured SAR<br>(1g) | 1 <sup>st</sup> Repeated | Ratio | 2 <sup>nd</sup> Repeated | 3 <sup>rd</sup> Repeated |
|---------------|-----------------------|----------------------|--------------------------|-------|--------------------------|--------------------------|
|               | (MHz)                 |                      | SAR (1g)                 |       | SAR (1g)                 | SAR (1g)                 |
| Right cheek   | 27710/2310            | 0.900                | 0.895                    | 1.01  | N/A                      | N/A                      |

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

2) A second repeated measurement was preformed 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  $\geq 1.45$  W/kg ( $\sim 10\%$  from the 1-g SAR limit).

3) A third repeated measurement was preformed only if the original, first or second repeated measurement was  $\geq 1.5$  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.

(for original report SZCR241000381012)



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## 9.2.13 SAR Result of LTE Band 41

| LTE Band 41 SAR Test Record                                      |     |               |                |            |                |                 |                  |                      |                    |               |                       |                 |
|------------------------------------------------------------------|-----|---------------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|-----------------|
| Ant 2 Test Record                                                |     |               |                |            |                |                 |                  |                      |                    |               |                       |                 |
| Test position                                                    | BW. | Test mode     | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-g | Power drift (dB) | Conducted Power(dBm) | Tune up Limit(dBm) | Scaled factor | Scaled SAR 1-g (W/kg) | Liquid Temp.(℃) |
| Head Test Data (1RB) DSI4                                        |     |               |                |            |                |                 |                  |                      |                    |               |                       |                 |
| Left cheek                                                       | 20  | QPSK 1_0      | 40620/2593     | 1:1.58     | 0.173          | 0.090           | -0.19            | 18.25                | 18.50              | 1.059         | 0.183                 | 22.1            |
| Left tilted                                                      | 20  | QPSK 1_0      | 40620/2593     | 1:1.58     | 0.124          | 0.066           | 0.14             | 18.25                | 18.50              | 1.059         | 0.131                 | 22.1            |
| Right cheek                                                      | 20  | QPSK 1_0      | 40620/2593     | 1:1.58     | 0.984          | 0.425           | -0.10            | 18.25                | 18.50              | 1.059         | 1.042                 | 22.1            |
| Right tilted                                                     | 20  | QPSK 1_0      | 40620/2593     | 1:1.58     | 0.429          | 0.200           | 0.02             | 18.25                | 18.50              | 1.059         | 0.454                 | 22.1            |
| Right cheek                                                      | 20  | QPSK 1_50     | 39750/2506     | 1:1.58     | 0.949          | 0.429           | -0.03            | 18.13                | 18.50              | 1.089         | 1.033                 | 22.1            |
| Right cheek                                                      | 20  | QPSK 1_50     | 40185/2549.5   | 1:1.58     | 0.955          | 0.422           | 0.17             | 18.24                | 18.50              | 1.062         | 1.014                 | 22.1            |
| Right cheek                                                      | 20  | QPSK 1_0      | 41055/2636.5   | 1:1.58     | 0.903          | 0.396           | -0.14            | 17.96                | 18.50              | 1.132         | 1.023                 | 22.1            |
| Right cheek                                                      | 20  | QPSK 1_0      | 41490/2680     | 1:1.58     | 0.811          | 0.356           | -0.05            | 18.03                | 18.50              | 1.114         | 0.904                 | 22.1            |
| Right cheek                                                      | 20  | QPSK PCC 1_99 | 40620/2593     | 1:1.58     | 0.912          | 0.401           | 0.10             | 17.94                | 18.50              | 1.138         | 1.038                 | 22.1            |
|                                                                  |     | QPSK SCC 1_0  | 40818/2612.8   |            |                |                 |                  |                      |                    |               |                       |                 |
| Head Test Data (50%RB) DSI4                                      |     |               |                |            |                |                 |                  |                      |                    |               |                       |                 |
| Left cheek                                                       | 20  | QPSK 50_25    | 40185/2549.5   | 1:1.58     | 0.198          | 0.111           | 0.05             | 18.29                | 18.50              | 1.050         | 0.208                 | 22.1            |
| Left tilted                                                      | 20  | QPSK 50_25    | 40185/2549.5   | 1:1.58     | 0.111          | 0.060           | -0.17            | 18.29                | 18.50              | 1.050         | 0.116                 | 22.1            |
| Right cheek                                                      | 20  | QPSK 50_25    | 40185/2549.5   | 1:1.58     | 0.972          | 0.431           | -0.15            | 18.29                | 18.50              | 1.050         | 1.020                 | 22.1            |
| Right tilted                                                     | 20  | QPSK 50_25    | 40185/2549.5   | 1:1.58     | 0.373          | 0.177           | -0.19            | 18.29                | 18.50              | 1.050         | 0.391                 | 22.1            |
| Right cheek                                                      | 20  | QPSK 50_25    | 39750/2506     | 1:1.58     | 0.964          | 0.436           | -0.18            | 18.21                | 18.50              | 1.069         | 1.031                 | 22.1            |
| Right cheek                                                      | 20  | QPSK 50_0     | 40620/2593     | 1:1.58     | 0.968          | 0.397           | 0.02             | 17.99                | 18.50              | 1.125         | 1.089                 | 22.1            |
| Right cheek                                                      | 20  | QPSK 50_0     | 41055/2636.5   | 1:1.58     | 0.891          | 0.389           | -0.06            | 18.02                | 18.50              | 1.117         | 0.995                 | 22.1            |
| Right cheek                                                      | 20  | QPSK 50_25    | 41490/2680     | 1:1.58     | 0.804          | 0.350           | -0.01            | 18.05                | 18.50              | 1.109         | 0.892                 | 22.1            |
| Right cheek with Repeat                                          | 20  | QPSK 50_0     | 40620/2593     | 1:1.58     | 0.962          | 0.432           | -0.08            | 17.99                | 18.50              | 1.125         | 1.082                 | 22.1            |
| Right cheek with HPUE                                            | 20  | QPSK 50_25    | 40620/2593     | 1:2.31     | 0.901          | 0.391           | 0.03             | 19.72                | 20.50              | 1.197         | 1.078                 | 22.1            |
| Head Test Data (100%RB) DSI4                                     |     |               |                |            |                |                 |                  |                      |                    |               |                       |                 |
| Right cheek                                                      | 20  | QPSK 100_0    | 40185/2549.5   | 1:1.58     | 0.980          | 0.436           | -0.10            | 18.23                | 18.50              | 1.064         | 1.043                 | 22.1            |
| Body worn&Hotspot Test data (Separate 10mm 1RB) Sensor on DSI1   |     |               |                |            |                |                 |                  |                      |                    |               |                       |                 |
| Front side                                                       | 20  | QPSK 1_50     | 39750/2506     | 1:1.58     | 0.324          | 0.164           | 0.03             | 20.68                | 21.00              | 1.076         | 0.349                 | 22.3            |
| Back side                                                        | 20  | QPSK 1_50     | 39750/2506     | 1:1.58     | 0.398          | 0.194           | -0.11            | 20.68                | 21.00              | 1.076         | 0.428                 | 22.3            |
| Left side                                                        | 20  | QPSK 1_50     | 39750/2506     | 1:1.58     | 0.608          | 0.285           | 0.17             | 20.68                | 21.00              | 1.076         | 0.654                 | 22.3            |
| Top side                                                         | 20  | QPSK 1_50     | 39750/2506     | 1:1.58     | 0.093          | 0.047           | -0.17            | 20.68                | 21.00              | 1.076         | 0.100                 | 22.3            |
| Left side                                                        | 20  | QPSK 1_0      | 40185/2549.5   | 1:1.58     | 0.620          | 0.280           | -0.15            | 20.67                | 21.00              | 1.079         | 0.669                 | 22.3            |
| Left side                                                        | 20  | QPSK 1_0      | 40620/2593     | 1:1.58     | 0.762          | 0.355           | 0.15             | 20.45                | 21.00              | 1.135         | 0.865                 | 22.3            |
| Left side                                                        | 20  | QPSK 1_0      | 41055/2636.5   | 1:1.58     | 0.747          | 0.330           | 0.04             | 20.68                | 21.00              | 1.076         | 0.804                 | 22.3            |
| Left side                                                        | 20  | QPSK 1_0      | 41490/2680     | 1:1.58     | 0.787          | 0.351           | -0.02            | 20.68                | 21.00              | 1.076         | 0.847                 | 22.3            |
| Left side                                                        | 20  | QPSK PCC 1_99 | 40620/2593     | 1:1.58     | 0.721          | 0.321           | 0.10             | 20.48                | 21.00              | 1.127         | 0.813                 | 22.3            |
|                                                                  |     | QPSK SCC 1_0  | 40818/2612.8   |            |                |                 |                  |                      |                    |               |                       |                 |
| Left side with HPUE                                              | 20  | QPSK 1_0      | 40620/2593     | 1:2.31     | 0.731          | 0.342           | 0.17             | 22.37                | 23.00              | 1.156         | 0.845                 | 22.3            |
| Body worn&Hotspot Test data (Separate 10mm 50%RB) Sensor on DSI1 |     |               |                |            |                |                 |                  |                      |                    |               |                       |                 |
| Front side                                                       | 20  | QPSK 50_50    | 40185/2549.5   | 1:1.58     | 0.318          | 0.155           | 0.07             | 20.76                | 21.00              | 1.057         | 0.336                 | 22.3            |



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|------------------------------------------------------------------------|-----|---------------|----------------|------------|---------------|----------------|-----------------|----------------------|--------------------|---------------|-----------------------|--------------|
| Back side                                                              | 20  | QPSK 50_50    | 40185/2549.5   | 1:1.58     | 0.415         | 0.198          | -0.01           | 20.76                | 21.00              | 1.057         | 0.439                 | 22.3         |
| Left side                                                              | 20  | QPSK 50_50    | 40185/2549.5   | 1:1.58     | 0.733         | 0.332          | -0.13           | 20.76                | 21.00              | 1.057         | 0.775                 | 22.3         |
| Top side                                                               | 20  | QPSK 50_50    | 40185/2549.5   | 1:1.58     | 0.063         | 0.032          | -0.01           | 20.76                | 21.00              | 1.057         | 0.067                 | 22.3         |
| Left side                                                              | 20  | QPSK 50_50    | 39750/2506     | 1:1.58     | 0.638         | 0.298          | -0.19           | 20.74                | 21.00              | 1.062         | 0.677                 | 22.3         |
| Left side                                                              | 20  | QPSK 50_50    | 40620/2593     | 1:1.58     | 0.771         | 0.346          | 0.05            | 20.53                | 21.00              | 1.114         | 0.859                 | 22.3         |
| Left side                                                              | 20  | QPSK 50_25    | 41055/2636.5   | 1:1.58     | 0.776         | 0.343          | -0.10           | 20.73                | 21.00              | 1.064         | 0.826                 | 22.3         |
| Left side                                                              | 20  | QPSK 50_50    | 41490/2680     | 1:1.58     | 0.797         | 0.354          | 0.05            | 20.75                | 21.00              | 1.059         | 0.844                 | 22.3         |
| Body worn&Hotspot Test data (Separate 10mm 100%RB) Sensor on DSI1      |     |               |                |            |               |                |                 |                      |                    |               |                       |              |
| Left side                                                              | 20  | QPSK 50_50    | 41055/2636.5   | 1:1.58     | 0.733         | 0.335          | -0.14           | 20.76                | 21.00              | 1.057         | 0.775                 | 22.3         |
| Body worn&Hotspot Test data 1RB Sensor off DSI6                        |     |               |                |            |               |                |                 |                      |                    |               |                       |              |
| Front side with 15mm                                                   | 20  | QPSK 1_50     | 39750/2506     | 1:1.58     | 0.455         | 0.241          | 0.01            | 24.51                | 25.00              | 1.119         | 0.509                 | 22.3         |
| Back side with 15mm                                                    | 20  | QPSK 1_50     | 39750/2506     | 1:1.58     | 0.488         | 0.256          | -0.13           | 24.51                | 25.00              | 1.119         | 0.546                 | 22.3         |
| Left side with 19mm                                                    | 20  | QPSK 1_50     | 39750/2506     | 1:1.58     | 0.760         | 0.400          | 0.07            | 24.51                | 25.00              | 1.119         | 0.851                 | 22.3         |
| Top side with 10mm                                                     | 20  | QPSK 1_50     | 39750/2506     | 1:1.58     | 0.187         | 0.096          | -0.06           | 24.51                | 25.00              | 1.119         | 0.209                 | 22.3         |
| Left side with 19mm                                                    | 20  | QPSK 1_50     | 40185/2549.5   | 1:1.58     | 0.608         | 0.274          | 0.11            | 24.28                | 25.00              | 1.180         | 0.718                 | 22.3         |
| Left side with 19mm                                                    | 20  | QPSK 1_0      | 40620/2593     | 1:1.58     | 0.747         | 0.348          | -0.14           | 24.53                | 25.00              | 1.114         | 0.832                 | 22.3         |
| Left side with 19mm                                                    | 20  | QPSK 1_0      | 41055/2636.5   | 1:1.58     | 0.732         | 0.323          | 0.14            | 24.44                | 25.00              | 1.138         | 0.833                 | 22.3         |
| Left side with 19mm                                                    | 20  | QPSK 1_0      | 41490/2680     | 1:1.58     | 0.721         | 0.321          | -0.19           | 24.34                | 25.00              | 1.164         | 0.839                 | 22.3         |
| Body worn&Hotspot Test data 50%RB Sensor off DSI6                      |     |               |                |            |               |                |                 |                      |                    |               |                       |              |
| Front side with 15mm                                                   | 20  | QPSK 50_25    | 40620/2593     | 1:1.58     | 0.343         | 0.175          | 0.18            | 23.68                | 24.00              | 1.076         | 0.369                 | 22.3         |
| Back side with 15mm                                                    | 20  | QPSK 50_25    | 40620/2593     | 1:1.58     | 0.431         | 0.210          | 0.06            | 23.68                | 24.00              | 1.076         | 0.464                 | 22.3         |
| Left side with 19mm                                                    | 20  | QPSK 50_25    | 40620/2593     | 1:1.58     | 0.685         | 0.355          | 0.00            | 23.68                | 24.00              | 1.076         | 0.737                 | 22.3         |
| Top side with 10mm                                                     | 20  | QPSK 50_25    | 40620/2593     | 1:1.58     | 0.131         | 0.073          | 0.19            | 23.68                | 24.00              | 1.076         | 0.141                 | 22.3         |
| Left side with 19mm                                                    | 20  | QPSK 50_25    | 39750/2506     | 1:1.58     | 0.062         | 0.031          | 0.18            | 23.67                | 24.00              | 1.079         | 0.067                 | 22.3         |
| Left side with 19mm                                                    | 20  | QPSK 50_25    | 40185/2549.5   | 1:1.58     | 0.625         | 0.292          | 0.09            | 23.56                | 24.00              | 1.107         | 0.692                 | 22.3         |
| Left side with 19mm                                                    | 20  | QPSK 50_25    | 41055/2636.5   | 1:1.58     | 0.756         | 0.339          | 0.15            | 23.51                | 24.00              | 1.119         | 0.846                 | 22.3         |
| Left side with 19mm                                                    | 20  | QPSK 50_0     | 41490/2680     | 1:1.58     | 0.760         | 0.336          | 0.17            | 23.47                | 24.00              | 1.130         | 0.859                 | 22.3         |
| Body worn&Hotspot Test data 100%RB Sensor off DSI6                     |     |               |                |            |               |                |                 |                      |                    |               |                       |              |
| Front side with 15mm                                                   | 20  | QPSK 100_0    | 39750/2506     | 1:1.58     | 0.748         | 0.328          | 0.07            | 23.67                | 24.00              | 1.079         | 0.807                 | 22.3         |
| Test position                                                          | BW. | Test mode     | Test Ch./Freq. | Duty Cycle | SAR (W/kg)1-g | 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 (Sensor on Separate 0mm 1RB) DSI1   |     |               |                |            |               |                |                 |                      |                    |               |                       |              |
| Left side                                                              | 20  | QPSK 1_50     | 39750/2506     | 1:1.58     | 5.650         | 1.810          | 0.15            | 20.68                | 21.00              | 1.076         | 1.948                 | 22.3         |
| Left side                                                              | 20  | QPSK 1_0      | 40185/2549.5   | 1:1.58     | 6.160         | 1.950          | -0.05           | 20.67                | 21.00              | 1.079         | 2.104                 | 22.3         |
| Left side                                                              | 20  | QPSK 1_0      | 40620/2593     | 1:1.58     | 6.720         | 2.270          | 0.02            | 20.45                | 21.00              | 1.135         | 2.576                 | 22.3         |
| Left side                                                              | 20  | QPSK 1_0      | 41055/2636.5   | 1:1.58     | 6.320         | 2.050          | 0.15            | 20.68                | 21.00              | 1.076         | 2.207                 | 22.3         |
| Left side                                                              | 20  | QPSK 1_0      | 41490/2680     | 1:1.58     | 6.270         | 2.270          | -0.12           | 20.68                | 21.00              | 1.076         | 2.444                 | 22.3         |
| Left side                                                              | 20  | QPSK PCC 1_99 | 40620/2593     | 1:1.58     | 6.390         | 2.060          | -0.01           | 20.48                | 21.00              | 1.127         | 2.444                 | 22.3         |
|                                                                        |     | QPSK SCC 1_0  | 40818/2612.8   |            |               |                |                 |                      |                    |               |                       |              |
| Left side with Repeat                                                  | 20  | QPSK 1_0      | 40620/2593     | 1:1.58     | 6.710         | 2.260          | -0.05           | 20.45                | 21.00              | 1.135         | 2.565                 | 22.3         |
| Left side with HPUE                                                    | 20  | QPSK 1_0      | 40620/2593     | 1:2.31     | 5.980         | 2.050          | 0.04            | 22.37                | 23.00              | 1.156         | 2.370                 | 22.3         |
| Product specific 10g SAR Test data (Sensor on Separate 0mm 50%RB) DSI1 |     |               |                |            |               |                |                 |                      |                    |               |                       |              |
| Left side                                                              | 20  | QPSK 50_50    | 40185/2549.5   | 1:1.58     | 5.500         | 1.730          | 0.11            | 20.76                | 21.00              | 1.057         | 1.828                 | 22.3         |
| Left side                                                              | 20  | QPSK 50_50    | 39750/2506     | 1:1.58     | 6.350         | 2.080          | -0.13           | 20.74                | 21.00              | 1.062         | 2.208                 | 22.3         |
| Left side                                                              | 20  | QPSK 50_50    | 40620/2593     | 1:1.58     | 6.500         | 2.250          | -0.18           | 20.53                | 21.00              | 1.114         | 2.507                 | 22.3         |



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| Left side                                                               | 20  | QPSK 50_25 | 41055/2636.5   | 1:1.58     | 6.208          | 2.280           | 0.00             | 20.73                | 21.00              | 1.064         | 2.426                 | 22.3             |
|-------------------------------------------------------------------------|-----|------------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Left side                                                               | 20  | QPSK 50_50 | 41490/2680     | 1:1.58     | 6.376          | 2.270           | -0.15            | 20.75                | 21.00              | 1.059         | 2.405                 | 22.3             |
| Product specific 10g SAR Test data (Sensor on Separate 0mm 100%RB) DSI1 |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left side                                                               | 20  | QPSK 100_0 | 41055/2636.5   | 1:1.58     | 6.750          | 2.180           | 0.09             | 20.76                | 21.00              | 1.057         | 2.304                 | 22.3             |
| Product specific 10g SAR Test data (Sensor off 1RB) DSI6                |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left side with 19mm                                                     | 20  | QPSK 1_50  | 39750/2506     | 1:1.58     | 0.760          | 0.400           | 0.07             | 24.51                | 25.00              | 1.119         | 0.448                 | 22.3             |
| Product specific 10g SAR Test data (Sensor off 50%RB) DSI6              |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left side with 19mm                                                     | 20  | QPSK 50_25 | 40620/2593     | 1:1.58     | 0.685          | 0.355           | 0.00             | 23.68                | 24.00              | 1.247         | 0.443                 | 22.3             |
| Ant 5 Test Record                                                       |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position                                                           | BW. | Test mode  | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-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) DSI4                                               |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                                              | 20  | QPSK 1_0   | 41490/2680     | 1:2.31     | 0.345          | 0.175           | 0.12             | 23.83                | 25.00              | 1.309         | 0.452                 | 22.1             |
| Left tilted                                                             | 20  | QPSK 1_0   | 41490/2680     | 1:2.31     | 0.162          | 0.084           | -0.19            | 23.83                | 25.00              | 1.309         | 0.212                 | 22.1             |
| Right cheek                                                             | 20  | QPSK 1_0   | 41490/2680     | 1:2.31     | 0.307          | 0.162           | -0.07            | 23.83                | 25.00              | 1.309         | 0.402                 | 22.1             |
| Right tilted                                                            | 20  | QPSK 1_0   | 41490/2680     | 1:2.31     | 0.262          | 0.131           | 0.15             | 23.83                | 25.00              | 1.309         | 0.343                 | 22.1             |
| Head Test Data (50%RB) DSI4                                             |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                                              | 20  | QPSK 50_25 | 40185/2549.5   | 1:2.31     | 0.382          | 0.193           | -0.04            | 22.55                | 24.00              | 1.396         | 0.533                 | 22.1             |
| Left tilted                                                             | 20  | QPSK 50_25 | 40185/2549.5   | 1:2.31     | 0.164          | 0.086           | -0.02            | 22.55                | 24.00              | 1.396         | 0.229                 | 22.1             |
| Right cheek                                                             | 20  | QPSK 50_25 | 40185/2549.5   | 1:2.31     | 0.308          | 0.165           | 0.02             | 22.55                | 24.00              | 1.396         | 0.430                 | 22.1             |
| Right tilted                                                            | 20  | QPSK 50_25 | 40185/2549.5   | 1:2.31     | 0.263          | 0.135           | -0.19            | 22.55                | 24.00              | 1.396         | 0.367                 | 22.1             |
| Left cheek                                                              | 20  | QPSK 50_50 | 39750/2506     | 1:2.31     | 0.359          | 0.181           | -0.11            | 22.46                | 24.00              | 1.426         | 0.512                 | 22.1             |
| Left cheek                                                              | 20  | QPSK 50_0  | 40620/2593     | 1:2.31     | 0.300          | 0.151           | -0.03            | 22.42                | 24.00              | 1.439         | 0.432                 | 22.1             |
| Left cheek                                                              | 20  | QPSK 50_0  | 41055/2636.5   | 1:2.31     | 0.168          | 0.084           | -0.14            | 22.50                | 24.00              | 1.413         | 0.237                 | 22.1             |
| Left cheek                                                              | 20  | QPSK 50_50 | 41490/2680     | 1:2.31     | 0.173          | 0.088           | -0.17            | 22.50                | 24.00              | 1.413         | 0.244                 | 22.1             |
| Body worn&Hotspot Test data 1RB Sensor off DSI6                         |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                                              | 20  | QPSK 1_0   | 41490/2680     | 1:2.31     | 0.423          | 0.219           | -0.15            | 23.83                | 25.00              | 1.309         | 0.554                 | 22.4             |
| Back side                                                               | 20  | QPSK 1_0   | 41490/2680     | 1:2.31     | 0.287          | 0.147           | 0.05             | 23.83                | 25.00              | 1.309         | 0.376                 | 22.4             |
| Left side                                                               | 20  | QPSK 1_0   | 41490/2680     | 1:2.31     | 0.468          | 0.268           | -0.18            | 23.83                | 25.00              | 1.309         | 0.613                 | 22.4             |
| Bottom side                                                             | 20  | QPSK 1_0   | 41490/2680     | 1:2.31     | 0.103          | 0.055           | -0.12            | 23.83                | 25.00              | 1.309         | 0.135                 | 22.4             |
| Left side                                                               | 20  | QPSK 1_0   | 39750/2506     | 1:2.31     | 0.423          | 0.195           | 0.06             | 23.75                | 25.00              | 1.334         | 0.564                 | 22.4             |
| Left side                                                               | 20  | QPSK 1_0   | 40185/2549.5   | 1:2.31     | 0.412          | 0.198           | -0.18            | 23.76                | 25.00              | 1.330         | 0.548                 | 22.4             |
| Left side                                                               | 20  | QPSK 1_0   | 40620/2593     | 1:2.31     | 0.408          | 0.182           | -0.06            | 23.70                | 25.00              | 1.349         | 0.550                 | 22.4             |
| Left side                                                               | 20  | QPSK 1_50  | 41055/2636.5   | 1:2.31     | 0.411          | 0.185           | -0.09            | 23.75                | 25.00              | 1.334         | 0.548                 | 22.4             |
| Body worn&Hotspot Test data 50%RB Sensor off DSI6                       |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                                              | 20  | QPSK 50_25 | 40185/2549.5   | 1:2.31     | 0.396          | 0.211           | -0.07            | 22.55                | 24.00              | 1.396         | 0.553                 | 22.4             |
| Back side                                                               | 20  | QPSK 50_25 | 40185/2549.5   | 1:2.31     | 0.457          | 0.257           | -0.12            | 22.55                | 24.00              | 1.396         | 0.638                 | 22.4             |
| Left side                                                               | 20  | QPSK 50_25 | 40185/2549.5   | 1:2.31     | 0.475          | 0.225           | 0.02             | 22.55                | 24.00              | 1.396         | 0.663                 | 22.4             |
| Bottom side                                                             | 20  | QPSK 50_25 | 40185/2549.5   | 1:2.31     | 0.132          | 0.072           | 0.19             | 22.55                | 24.00              | 1.396         | 0.184                 | 22.4             |
| Left side                                                               | 20  | QPSK 50_50 | 39750/2506     | 1:2.31     | 0.425          | 0.210           | 0.03             | 22.46                | 24.00              | 1.426         | 0.606                 | 22.4             |
| Left side                                                               | 20  | QPSK 50_0  | 40620/2593     | 1:2.31     | 0.423          | 0.209           | 0.04             | 22.42                | 24.00              | 1.439         | 0.609                 | 22.4             |
| Left side                                                               | 20  | QPSK 50_0  | 41055/2636.5   | 1:2.31     | 0.278          | 0.135           | -0.06            | 22.50                | 24.00              | 1.413         | 0.393                 | 22.4             |
| Left side                                                               | 20  | QPSK 50_50 | 41490/2680     | 1:2.31     | 0.378          | 0.178           | -0.15            | 22.50                | 24.00              | 1.413         | 0.534                 | 22.4             |



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| Test Position | Channel/<br>Frequency | Measured SAR (1g) | 1 <sup>st</sup> Repeated | Ratio | 2 <sup>nd</sup><br>Repeated | 3 <sup>rd</sup><br>Repeated |
|---------------|-----------------------|-------------------|--------------------------|-------|-----------------------------|-----------------------------|
|               | (MHz)                 |                   | SAR (1g)                 |       | SAR (1g)                    | SAR (1g)                    |
| Right cheek   | 40620/2593            | 0.968             | 0.962                    | 1.01  | N/A                         | N/A                         |

Note: 1) When the original highest measured SAR is  $\geq 0.80$  W/kg, the measurement was repeated once.  
 2) A second repeated measurement was preformed 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  $\geq 1.45$  W/kg ( $\sim 10\%$  from the 1-g SAR limit).  
 3) A third repeated measurement was preformed only if the original, first or second repeated measurement was  $\geq 1.5$  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.

| Test Position | Channel/<br>Frequency | Measured SAR (10g) | 1 <sup>st</sup> Repeated | Ratio | 2 <sup>nd</sup><br>Repeated | 3 <sup>rd</sup><br>Repeated |
|---------------|-----------------------|--------------------|--------------------------|-------|-----------------------------|-----------------------------|
|               | (MHz)                 |                    | SAR (10g)                |       | SAR (1g)                    | SAR (1g)                    |
| Left side     | 40620/2593            | 2.270              | 2.260                    | 1.01  | N/A                         | N/A                         |

Note: 1) When the original highest measured SAR is  $\geq 0.80$  W/kg, the measurement was repeated once.  
 2) A second repeated measurement was preformed 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  $\geq 1.45$  W/kg ( $\sim 10\%$  from the 1-g SAR limit).  
 3) A third repeated measurement was preformed only if the original, first or second repeated measurement was  $\geq 1.5$  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.

(for original report SZCR241000381012)



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## 9.2.14 SAR Result of LTE Band 42

| LTE Band 42 SAR Test Record                             |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
|---------------------------------------------------------|-----|------------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Ant 3 Test Record                                       |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position                                           | BW. | Test mode  | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-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) DSI4                               |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                              | 20  | QPSK 1_99  | 42590/3500     | 1:1.58     | 0.435          | 0.219           | -0.12            | 23.07                | 23.50              | 1.104         | 0.480                 | 22.1             |
| Left tilted                                             | 20  | QPSK 1_99  | 42590/3500     | 1:1.58     | 0.150          | 0.073           | 0.19             | 23.07                | 23.50              | 1.104         | 0.166                 | 22.1             |
| Right cheek                                             | 20  | QPSK 1_99  | 42590/3500     | 1:1.58     | 0.934          | 0.408           | -0.02            | 23.07                | 23.50              | 1.104         | <b>1.031</b>          | 22.1             |
| Right tilted                                            | 20  | QPSK 1_99  | 42590/3500     | 1:1.58     | 0.273          | 0.126           | -0.09            | 23.07                | 23.50              | 1.104         | 0.301                 | 22.1             |
| Left cheek                                              | 20  | QPSK 1_50  | 41690/3410     | 1:1.58     | 0.412          | 0.204           | 0.10             | 22.98                | 23.50              | 1.127         | 0.464                 | 22.1             |
| Left cheek                                              | 20  | QPSK 1_0   | 43490/3590     | 1:1.58     | 0.432          | 0.218           | -0.14            | 22.92                | 23.50              | 1.143         | 0.494                 | 22.1             |
| Right cheek                                             | 20  | QPSK 1_50  | 41690/3410     | 1:1.58     | 0.902          | 0.365           | 0.02             | 22.98                | 23.50              | 1.127         | 1.017                 | 22.1             |
| Right cheek                                             | 20  | QPSK 1_0   | 43490/3590     | 1:1.58     | 0.889          | 0.358           | 0.19             | 22.92                | 23.50              | 1.143         | 1.016                 | 22.1             |
| Right cheek with Repeat                                 | 20  | QPSK 1_99  | 42590/3500     | 1:1.58     | 0.918          | 0.401           | -0.07            | 23.07                | 23.50              | 1.104         | 1.014                 | 22.1             |
| Head Test Data (50%RB) DSI4                             |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                              | 20  | QPSK 50_50 | 41690/3410     | 1:1.58     | 0.488          | 0.248           | -0.08            | 22.34                | 23.50              | 1.306         | 0.637                 | 22.1             |
| Left tilted                                             | 20  | QPSK 50_50 | 41690/3410     | 1:1.58     | 0.177          | 0.082           | -0.15            | 22.34                | 23.50              | 1.306         | 0.231                 | 22.1             |
| Right cheek                                             | 20  | QPSK 50_50 | 41690/3410     | 1:1.58     | 0.765          | 0.321           | 0.12             | 22.34                | 23.50              | 1.306         | 0.999                 | 22.1             |
| Right tilted                                            | 20  | QPSK 50_50 | 41690/3410     | 1:1.58     | 0.334          | 0.150           | -0.04            | 22.34                | 23.50              | 1.306         | 0.436                 | 22.1             |
| Left cheek                                              | 20  | QPSK 50_25 | 42590/3500     | 1:1.58     | 0.475          | 0.238           | -0.14            | 22.23                | 23.50              | 1.340         | 0.636                 | 22.1             |
| Left cheek                                              | 20  | QPSK 50_25 | 43490/3590     | 1:1.58     | 0.435          | 0.219           | 0.18             | 21.88                | 23.50              | 1.452         | 0.632                 | 22.1             |
| Right cheek                                             | 20  | QPSK 50_25 | 42590/3500     | 1:1.58     | 0.741          | 0.266           | -0.11            | 22.23                | 23.50              | 1.340         | 0.993                 | 22.1             |
| Right cheek                                             | 20  | QPSK 50_25 | 43490/3590     | 1:1.58     | 0.702          | 0.286           | -0.13            | 21.88                | 23.50              | 1.452         | 1.019                 | 22.1             |
| Head Test Data (50%RB) DSI4                             |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Right cheek                                             | 20  | QPSK 100_0 | 41690/3410     | 1:1.58     | 0.689          | 0.255           | -0.02            | 22.27                | 23.50              | 1.327         | 0.915                 | 22.1             |
| Body worn&Hotspot Test data (Separate 10mm 1RB) DSI6    |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                              | 20  | QPSK 1_50  | 41690/3410     | 1:1.58     | 0.251          | 0.123           | 0.14             | 24.31                | 25.00              | 1.172         | 0.294                 | 22.3             |
| Back side                                               | 20  | QPSK 1_50  | 41690/3410     | 1:1.58     | 0.682          | 0.288           | 0.00             | 24.31                | 25.00              | 1.172         | 0.799                 | 22.3             |
| Left side                                               | 20  | QPSK 1_50  | 41690/3410     | 1:1.58     | 0.328          | 0.152           | 0.15             | 24.31                | 25.00              | 1.172         | 0.384                 | 22.3             |
| Back side                                               | 20  | QPSK 1_99  | 42590/3500     | 1:1.58     | 0.678          | 0.325           | -0.03            | 24.13                | 25.00              | 1.222         | 0.828                 | 22.3             |
| Back side                                               | 20  | QPSK 1_99  | 43490/3590     | 1:1.58     | 0.713          | 0.319           | -0.07            | 24.18                | 25.00              | 1.208         | <b>0.861</b>          | 22.3             |
| Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI6  |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                              | 20  | QPSK 50_25 | 42590/3500     | 1:1.58     | 0.279          | 0.134           | 0.03             | 23.38                | 24.00              | 1.153         | 0.322                 | 22.3             |
| Back side                                               | 20  | QPSK 50_25 | 42590/3500     | 1:1.58     | 0.686          | 0.375           | -0.11            | 23.38                | 24.00              | 1.153         | 0.791                 | 22.3             |
| Left side                                               | 20  | QPSK 50_25 | 42590/3500     | 1:1.58     | 0.381          | 0.170           | 0.15             | 23.38                | 24.00              | 1.153         | 0.439                 | 22.3             |
| Left side                                               | 20  | QPSK 50_25 | 41690/3410     | 1:1.58     | 0.375          | 0.165           | 0.01             | 23.23                | 24.00              | 1.194         | 0.448                 | 22.3             |
| Left side                                               | 20  | QPSK 50_25 | 43490/3590     | 1:1.58     | 0.365          | 0.157           | 0.13             | 23.38                | 24.00              | 1.153         | 0.421                 | 22.3             |
| Back side                                               | 20  | QPSK 50_25 | 41690/3410     | 1:1.58     | 0.675          | 0.328           | 0.15             | 23.23                | 24.00              | 1.194         | 0.806                 | 22.3             |
| Back side                                               | 20  | QPSK 50_25 | 43490/3590     | 1:1.58     | 0.685          | 0.338           | -0.13            | 23.38                | 24.00              | 1.153         | 0.790                 | 22.3             |
| Body worn&Hotspot Test data (Separate 10mm 100%RB) DSI6 |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Back side                                               | 20  | QPSK 100_0 | 41690/3410     | 1:1.58     | 0.655          | 0.318           | -0.03            | 23.42                | 24.00              | 1.143         | 0.749                 | 22.3             |



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| Test Position | Channel/<br>Frequency | Measured<br>SAR (1g) | 1 <sup>st</sup> Repeated | Ratio | 2 <sup>nd</sup> Repeated | 3 <sup>rd</sup> Repeated |
|---------------|-----------------------|----------------------|--------------------------|-------|--------------------------|--------------------------|
|               | (MHz)                 |                      | SAR (1g)                 |       | SAR (1g)                 | SAR (1g)                 |
| Right cheek   | 42590/3500            | 0.934                | 0.918                    | 1.02  | N/A                      | N/A                      |

Note: 1) When the original highest measured SAR is  $\geq 0.80$  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  $\geq 1.45$  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  $\geq 1.5$  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.

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## 9.2.15 SAR Result of LTE Band 43

| LTE Band 43 SAR Test Record                            |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
|--------------------------------------------------------|-----|------------|----------------|------------|----------------|-----------------|------------------|----------------------|--------------------|---------------|-----------------------|------------------|
| Ant 3 Test Record                                      |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Test position                                          | BW. | Test mode  | Test ch./Freq. | Duty Cycle | SAR (W/kg) 1-g | SAR (W/kg) 10-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) DSI4                              |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                             | 20  | QPSK 1_99  | 45490/3790     | 1:1.58     | 0.226          | 0.103           | -0.16            | 21.91                | 23.00              | 1.285         | 0.290                 | 22.1             |
| Left tilted                                            | 20  | QPSK 1_99  | 45490/3790     | 1:1.58     | 0.068          | 0.034           | -0.10            | 21.91                | 23.00              | 1.285         | 0.087                 | 22.1             |
| Right cheek                                            | 20  | QPSK 1_99  | 45490/3790     | 1:1.58     | 0.624          | 0.285           | 0.10             | 21.91                | 23.00              | 1.285         | 0.802                 | 22.1             |
| Right tilted                                           | 20  | QPSK 1_99  | 45490/3790     | 1:1.58     | 0.139          | 0.064           | -0.15            | 21.91                | 23.00              | 1.285         | 0.179                 | 22.1             |
| Right cheek                                            | 20  | QPSK 1_99  | 43690/3610     | 1:1.58     | 0.618          | 0.277           | -0.01            | 21.83                | 23.00              | 1.309         | 0.809                 | 22.1             |
| Right cheek                                            | 20  | QPSK 1_99  | 44140/3655     | 1:1.58     | 0.549          | 0.245           | 0.03             | 21.90                | 23.00              | 1.288         | 0.707                 | 22.1             |
| Right cheek                                            | 20  | QPSK 1_99  | 44590/3700     | 1:1.58     | 0.472          | 0.208           | 0.15             | 21.89                | 23.00              | 1.291         | 0.609                 | 22.1             |
| Right cheek                                            | 20  | QPSK 1_99  | 45040/3745     | 1:1.58     | 0.413          | 0.183           | -0.18            | 21.87                | 23.00              | 1.297         | 0.536                 | 22.1             |
| Head Test Data (50%RB) DSI4                            |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Left cheek                                             | 20  | QPSK 50_50 | 44590/3700     | 1:1.58     | 0.269          | 0.125           | -0.15            | 22.00                | 23.00              | 1.259         | 0.339                 | 22.1             |
| Left tilted                                            | 20  | QPSK 50_50 | 44590/3700     | 1:1.58     | 0.079          | 0.040           | 0.02             | 22.00                | 23.00              | 1.259         | 0.099                 | 22.1             |
| Right cheek                                            | 20  | QPSK 50_50 | 44590/3700     | 1:1.58     | 0.638          | 0.265           | -0.08            | 22.00                | 23.00              | 1.259         | 0.803                 | 22.1             |
| Right tilted                                           | 20  | QPSK 50_50 | 44590/3700     | 1:1.58     | 0.163          | 0.076           | -0.13            | 22.00                | 23.00              | 1.259         | 0.205                 | 22.1             |
| Right cheek                                            | 20  | QPSK 50_25 | 43690/3610     | 1:1.58     | 0.644          | 0.274           | -0.02            | 21.95                | 23.00              | 1.274         | <b>0.820</b>          | 22.1             |
| Right cheek                                            | 20  | QPSK 50_25 | 44140/3655     | 1:1.58     | 0.588          | 0.262           | 0.09             | 21.93                | 23.00              | 1.279         | 0.752                 | 22.1             |
| Right cheek                                            | 20  | QPSK 50_50 | 45040/3745     | 1:1.58     | 0.427          | 0.188           | -0.12            | 21.98                | 23.00              | 1.265         | 0.540                 | 22.1             |
| Right cheek                                            | 20  | QPSK 50_50 | 45490/3790     | 1:1.58     | 0.431          | 0.188           | 0.15             | 21.99                | 23.00              | 1.262         | 0.544                 | 22.1             |
| Head Test Data (100%RB) DSI4                           |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Right cheek                                            | 20  | QPSK 100_0 | 45040/3745     | 1:1.58     | 0.525          | 0.232           | -0.06            | 21.99                | 23.00              | 1.262         | 0.662                 | 22.1             |
| Body worn&Hotspot Test data (Separate 10mm 1RB) DSI6   |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                             | 20  | QPSK 1_99  | 44590/3700     | 1:1.58     | 0.355          | 0.165           | 0.16             | 24.00                | 25.00              | 1.259         | 0.447                 | 22.3             |
| Back side                                              | 20  | QPSK 1_99  | 44590/3700     | 1:1.58     | 0.678          | 0.301           | 0.06             | 24.00                | 25.00              | 1.259         | 0.854                 | 22.3             |
| Left side                                              | 20  | QPSK 1_99  | 44590/3700     | 1:1.58     | 0.458          | 0.208           | -0.13            | 24.00                | 25.00              | 1.259         | 0.577                 | 22.3             |
| Front side                                             | 20  | QPSK 1_99  | 43690/3610     | 1:1.58     | 0.352          | 0.162           | -0.09            | 23.74                | 25.00              | 1.337         | 0.470                 | 22.3             |
| Front side                                             | 20  | QPSK 1_99  | 44140/3655     | 1:1.58     | 0.344          | 0.152           | -0.06            | 23.96                | 25.00              | 1.271         | 0.437                 | 22.3             |
| Front side                                             | 20  | QPSK 1_99  | 45040/3745     | 1:1.58     | 0.362          | 0.175           | -0.16            | 23.99                | 25.00              | 1.262         | 0.457                 | 22.3             |
| Front side                                             | 20  | QPSK 1_99  | 45490/3790     | 1:1.58     | 0.361          | 0.169           | 0.06             | 23.77                | 25.00              | 1.327         | 0.479                 | 22.3             |
| Back side                                              | 20  | QPSK 1_99  | 43690/3610     | 1:1.58     | 0.721          | 0.323           | 0.03             | 23.74                | 25.00              | 1.337         | <b>0.964</b>          | 22.3             |
| Back side                                              | 20  | QPSK 1_99  | 44140/3655     | 1:1.58     | 0.650          | 0.285           | 0.17             | 23.96                | 25.00              | 1.271         | 0.826                 | 22.3             |
| Back side                                              | 20  | QPSK 1_99  | 45040/3745     | 1:1.58     | 0.480          | 0.229           | 0.17             | 23.99                | 25.00              | 1.262         | 0.606                 | 22.3             |
| Back side                                              | 20  | QPSK 1_99  | 45490/3790     | 1:1.58     | 0.485          | 0.211           | -0.15            | 23.77                | 25.00              | 1.327         | 0.644                 | 22.3             |
| Left side                                              | 20  | QPSK 1_99  | 43690/3610     | 1:1.58     | 0.448          | 0.195           | 0.17             | 23.74                | 25.00              | 1.337         | 0.599                 | 22.3             |
| Left side                                              | 20  | QPSK 1_99  | 44140/3655     | 1:1.58     | 0.458          | 0.207           | 0.14             | 23.96                | 25.00              | 1.271         | 0.582                 | 22.3             |
| Left side                                              | 20  | QPSK 1_99  | 45040/3745     | 1:1.58     | 0.479          | 0.215           | -0.03            | 23.99                | 25.00              | 1.262         | 0.604                 | 22.3             |
| Left side                                              | 20  | QPSK 1_99  | 45490/3790     | 1:1.58     | 0.448          | 0.185           | 0.04             | 23.77                | 25.00              | 1.327         | 0.595                 | 22.3             |
| Body worn&Hotspot Test data (Separate 10mm 50%RB) DSI6 |     |            |                |            |                |                 |                  |                      |                    |               |                       |                  |
| Front side                                             | 20  | QPSK 50_50 | 44140/3655     | 1:1.58     | 0.276          | 0.132           | -0.09            | 23.14                | 24.00              | 1.219         | 0.336                 | 22.3             |
| Back side                                              | 20  | QPSK 50_50 | 44140/3655     | 1:1.58     | 0.531          | 0.239           | -0.08            | 23.14                | 24.00              | 1.219         | 0.647                 | 22.3             |



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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
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|                                                         |    |            |            |        |       |       |       |       |       |       |       |      |
|---------------------------------------------------------|----|------------|------------|--------|-------|-------|-------|-------|-------|-------|-------|------|
| Left side                                               | 20 | QPSK 50_50 | 44140/3655 | 1:1.58 | 0.426 | 0.198 | -0.17 | 23.14 | 24.00 | 1.219 | 0.519 | 22.3 |
| Back side                                               | 20 | QPSK 50_50 | 43690/3610 | 1:1.58 | 0.557 | 0.243 | 0.18  | 22.81 | 24.00 | 1.315 | 0.733 | 22.3 |
| Back side                                               | 20 | QPSK 50_50 | 44590/3700 | 1:1.58 | 0.462 | 0.188 | -0.12 | 23.11 | 24.00 | 1.227 | 0.567 | 22.3 |
| Back side                                               | 20 | QPSK 50_50 | 45040/3745 | 1:1.58 | 0.479 | 0.208 | 0.13  | 23.09 | 24.00 | 1.233 | 0.591 | 22.3 |
| Back side                                               | 20 | QPSK 50_25 | 45490/3790 | 1:1.58 | 0.467 | 0.209 | -0.16 | 22.58 | 24.00 | 1.387 | 0.648 | 22.3 |
| Left side                                               | 20 | QPSK 50_50 | 43690/3610 | 1:1.58 | 0.412 | 0.175 | 0.07  | 22.81 | 24.00 | 1.315 | 0.542 | 22.3 |
| Left side                                               | 20 | QPSK 50_50 | 44590/3700 | 1:1.58 | 0.421 | 0.194 | 0.09  | 23.11 | 24.00 | 1.227 | 0.517 | 22.3 |
| Left side                                               | 20 | QPSK 50_50 | 45040/3745 | 1:1.58 | 0.411 | 0.175 | 0.07  | 23.09 | 24.00 | 1.233 | 0.507 | 22.3 |
| Left side                                               | 20 | QPSK 50_25 | 45490/3790 | 1:1.58 | 0.408 | 0.165 | -0.03 | 22.58 | 24.00 | 1.387 | 0.566 | 22.3 |
| Body worn&Hotspot Test data (Separate 10mm 100%RB) DSI6 |    |            |            |        |       |       |       |       |       |       |       |      |
| Back side                                               | 20 | QPSK 100_0 | 44140/3655 | 1:1.58 | 0.456 | 0.205 | 0.07  | 22.99 | 24.00 | 1.262 | 0.575 | 22.3 |

(for original report SZCR241000381012)



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 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com